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

Survey of HYDRO-SURVEYS
JN 030002 Tape Std. °F
Surveyed by W. A. RICHARDS
Notes W. A. R. Date 6-69
Indexed C. J. GALLI JUN 25 '69

F.B. 2820 Pg. 5

J.N. 0300.02

HYDROGRAPHIC SURVEYS

MALIBU BEACH

CONTINUED FROM FB. 2819

FROM STATION 985 + 71.83 NORTH
TO " 1131 + 83.33 " , INC.

SHORE PROFILES & CUT ANGLES + TIDE CHARTS

RICHARDS	BAZEN	CURTIS	DREIER
WILKS	SOPER	KAPP	MALDONADO
RANKSON		LIEBER	SIEMANN
TULLIER		RODRIGUEZ	McKNIGHT
		TURRILL	STROUD +
		BUSTRUM	(SWIMMERS)

Note: Any additions or changes on this Sheet Must be Made or Checked in Red Ink With Date and Name of Person Making Change.

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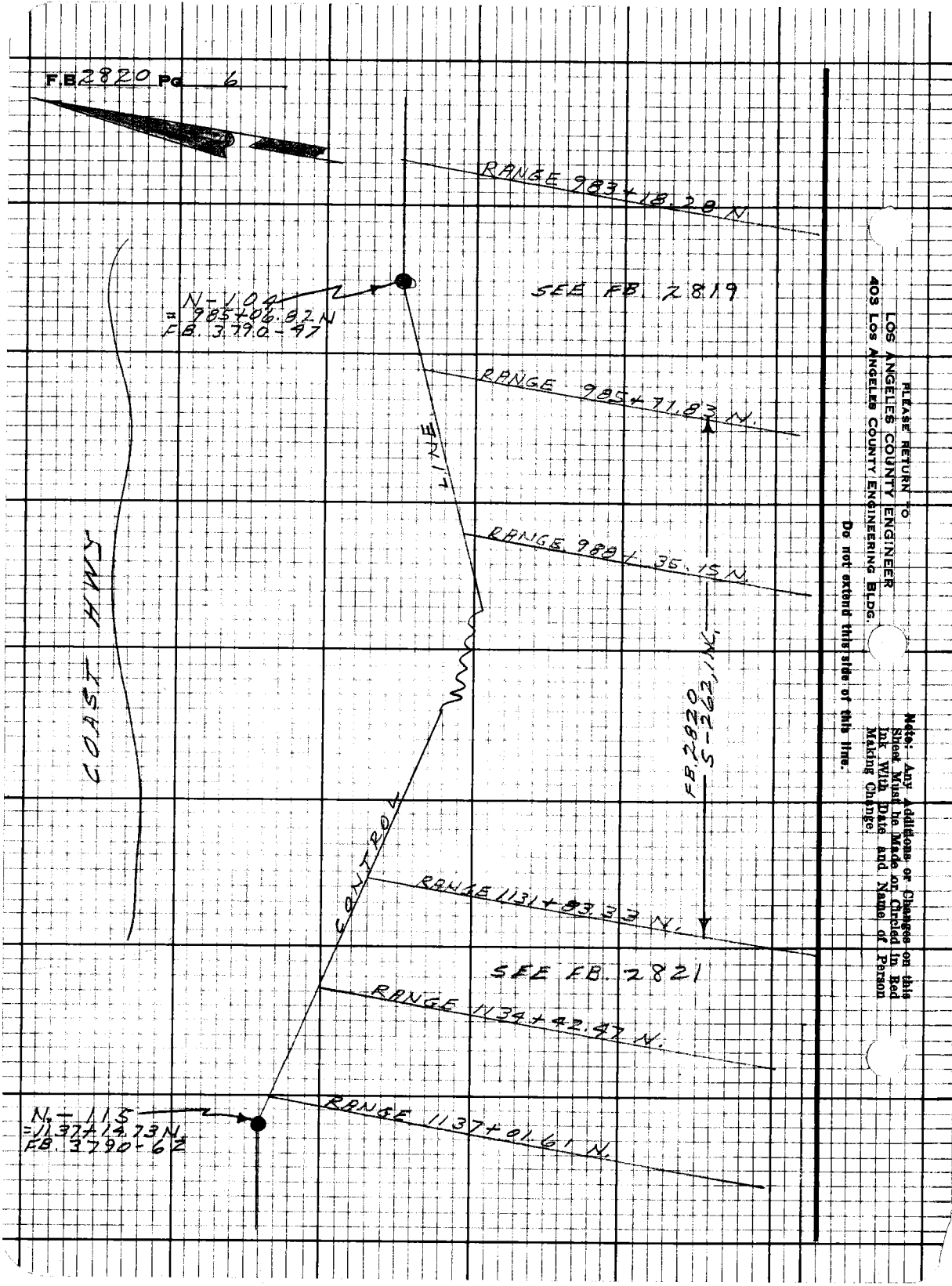
403 Los Angeles County Engineering Building

76F3098 CE# 310 9-67


F.B. 2820 Pg 6
RANGE 983+18.28 N.
SEE FB. 2819
N-104
= 985+06.82 N
FB. 3790-47
RANGE 985+71.83 N.
LINE
RANGE 988+35.15 N.
COAST HWY
FB. 2820
S-262, INC.
CONTROL
RANGE 1131+83.33 N.
SEE FB. 2821
RANGE 1134+42.47 N.
N.-115
=1137+14.73 N.
FB. 3790-62
RANGE 1137+01.61 N.
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76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	N-104 985+06.82
					STA. 985+71.83
		Sight on N-105			71°42' Lt
TP				6.17	TP Cont. from STA. 983+18.28
TP				6.37	TP 1"x2" @ Sta. ~~Sand~~
				8.5	25' Rt. Sand
				11.2	50' Rt. under Bldg - Sand
TP				10.16	TP PK in Pile.
					983+18.28 SIGHT N 104
	0.76	7.13		6.37	1x2 ℄ STA
			0.9	6.2	℄ SAND
			25	4.6	10 FT LEFT M.H.T.
			48	2.3	A #1 11° 56'
			64	0.7	2 17 07
			77	-0.6	3 25 11
			95	-2.4	4 32 39
			113	-4.2	5 40 07
			144	-7.3	6 45 41
			169	-9.8	7 49 38

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 7
No. ____ Date ____ Date ____ Survey of Malibu Pkwy - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-10-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed D. L. GALLI Date JUN 25 [illegible]

F. B. 2820 PG. 8

Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

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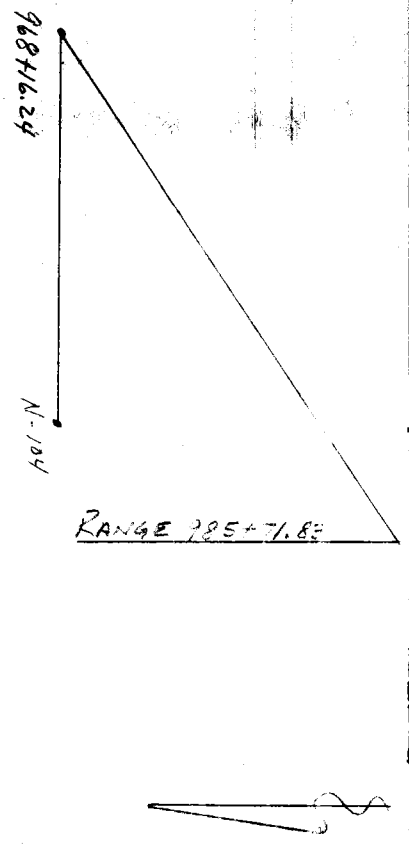
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
968+16	N-104	7:26	1	309	03	50	57	
		PST	2	310	02	49	58	
			3	311	16	48	44	
			4	312	22	47	38	
			5	313	31	46	29	
			6	314	44	45	16	
			7	315	57	44	03	
			8	317	13	42	47	
			9	318	57	41	03	
			10	320	30	39	30	
			11	322	19	37	41	
			12	324	12	35	48	
			13	326	19	33	41	
			14	328	19	31	41	
			15	330	05	29	55	
			16	332	16	27	44	
			17	334	56	25	04	
			18	336	53	23	07	
			19	338	50	21	10	
			20	340	28	19	32	



Profile Notes Red. ____ Plotted ____ Job No. 23.33.32 Division No. ____
No. ____ Date ____ Date ____ Survey of MAPLEWOOD ESTATES SUPPLEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by DON Notes DON Date 6-10-69
No. ____ Date ____ Date ____ Map No. ____ Indexed D.J. GALL Date ~~11-25-69~~

F. B. 2820 PG. 9

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	341	55	18	05	
			22	342	31	16	29	
			23	345	10	14	50	
			24	346	33	13	27	
			25	347	38	12	22	
			26	348	59	11	01	
			27	349	41	10	19	
			28	350	17	9	43	
			29	351	05	8	55	
			30	351	51	8	09	
			31	352	32	7	28	
			32	353	14	6	46	
			33	354	15	5	45	
		7:31	34	355	07	4	53	

F. B. 2820 PG. 10

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

Survey of Notes Date Date No. X-Sec.

Survey by Notes Chkd. Checked

Indexed C. J. GALLI Date Date No.

76-L-298 CE 307 5-66

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STATION	B. S.	H. I.	F. S.	ELEV.	Distances Taken from True Line	
					STA. 988+35.15	
		Sight	on N-105			71°42' Lt.
T.P.				10.16	T.P. Cont from Sta 985+71.53	
T.P.				4.49	T.P. 1"x2" @ 20' offset Line Rt. - Sand	
T.P.				6.42	T.P. 1"x2" @ 35' " " " "	
				9.1	60' Rt.	Sand under House
T.B.M. #48				8.92	TBM #48 El. 8.92	
					⊼ AT 863+18.28,	SIGH N 104
	0 35	6 77		6 42	T.P. 1X2 35 FT RIGHT	
		8	16 1		∡ #1 33° 28'	
			14 1		2 30 08	
			11 6		3 26 18	
			8 4	-1	4 18 58	
			7 2	-04	5 14 08	
			6 9	0 1	6 11 06	
			4 3	2 5	7 9 11	
			2 2	4 6	24 FT RIGHT, M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of [illegible] Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-10-[illegible]
Date ____ Date ____ Map No. ____ Indexed [illegible] GALLI Date JUN 25 [illegible]

F. B. 2820 Pg. 11

F. B. 2820 PG. 12 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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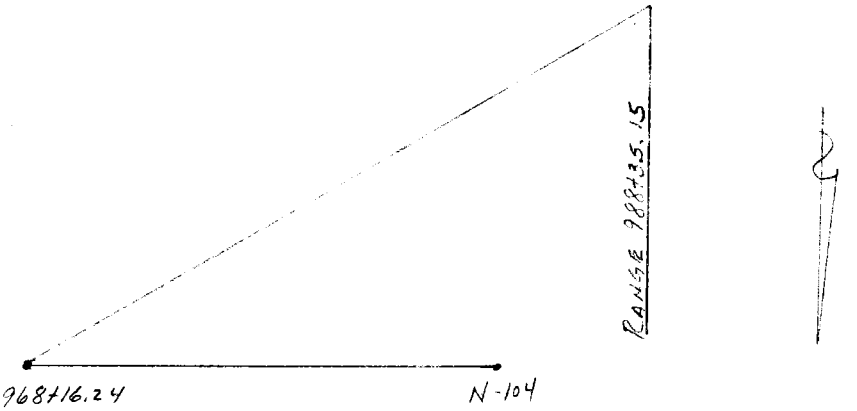
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 2820 Pg. 13

X-Sec. No. _____ Date _____ Date _____ Survey of MALIBU HYDRO SURVEY

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-10-69

Date _____ Date _____ Map No. _____ Indexed C. J. GALLI Date JUN 25 '69



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.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
[illegible]	N-104	[illegible]	1	310	42	49	18	
		[illegible]	2	310	[illegible]	47	58	
			[illegible]	[illegible]	[illegible]	46	37	
			[illegible]	[illegible]	[illegible]	45	03	
			5	316	05	43	55	
			6	317	32	42	28	
			7	318	52	41	08	
			8	320	09	39	51	
			9	321	29	38	31	
			10	322	53	37	07	
			11	324	17	35	41	
			12	326	07	33	53	
			13	327	29	32	31	
			14	328	59	31	01	
			15	331	05	30	55	
			16	332	27	27	33	
			17	334	18	25	42	
			18	336	21	23	39	
			19	338	30	21	30	
			20	340	12	19	41	

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	341	46	18	14	
			22	343	06	16	54	
			23	344	29	15	31	
			24	345	44	14	16	
			25	346	51	13	09	
			26	347	59	12	01	
			27	349	06	10	54	
			28	349	54	10	06	
			29	350	54	9	06	
			30	351	31	8	29	
			31	352	07	7	53	
			32	352	50	7	10	
			33	353	17	6	43	
			34	353	50	6	10	
			35	354	30	5	30	
		8:07	36	354	59	5	01	

F. B. 2820 Pg. 14

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

Survey of Date Date No. X-Sec.

Survey by Notes Notes Chkd. Checked

Indexed C. J. GALLI Date Date No.

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 990+98.47			
	Sight on N-105				71°42' Lt	
T.P.				3,56	T.P. 1"x2" on 35' off set Right,	
T.P.				6,29	T.P. 1"x2 on 60' " " "	
				10,5	100' Rt Sand	
				12,5	135' " " Bot Bank	
					⊼ AT 985+71.85 SIGHT N 105	
	006	635		629	T.P. 1x2 60 FT RIGHT	
		4	18	46	49 FT RIGHT M.H.T	
			54	10	21 " " "	
			67	-03	~~2~~ #1 0° 13'	
			72	-08	~~4~~ #2 3 35	
			88	-24	3 6 34	
			123	-59	4 13 40	
			102	-38	5 10 46	(BACK IN)
			131	-67	6 15 19	
			150	-86	7 17 30	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 2820 Pg. 15
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes [illegible] Date 6-10-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] GALLI Date JUN 25 '[illegible]

F. B. 2820 PG. 16 | Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

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

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

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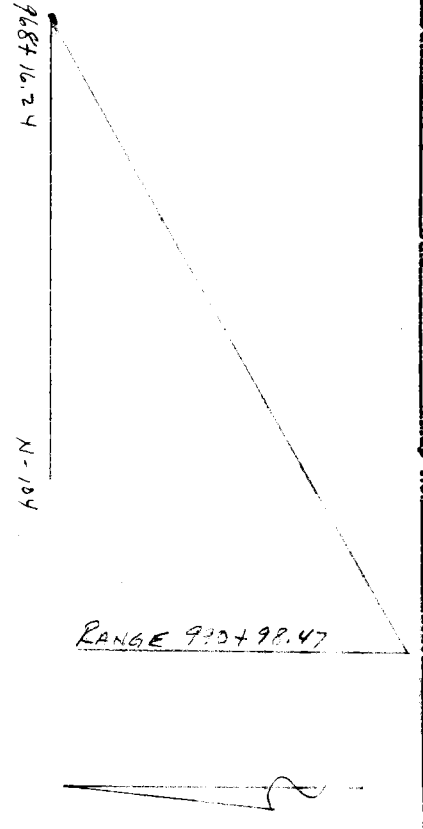
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
968+16	N-104	8:15	1	313	21	46	39	
			2	314	15	45	45	
			3	315	07	44	53	
			4	316	04	43	56	
			5	317	07	42	53	
			6	317	56	42	04	
			7	318	57	41	03	
			8	319	56	40	04	
			9	321	08	38	52	
			10	322	30	37	30	
			11	323	44	36	16	
			12	324	49	35	11	
			13	326	19	33	41	
			14	327	40	32	20	
			15	329	39	30	21	
			16	331	06	28	54	
			17	332	39	27	21	
			18	334	18	25	42	
			19	336	09	23	51	
			20	338	16	21	44	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 17

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes JON Date 6-10-69

No. ____ Date ____ Date ____ Map No. ____ Indexed E. J. GALLI Date JAN 25 '69

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	339	52	20	08	
			22	341	20	18	40	
			23	342	43	17	17	
			24	343	52	16	08	
			25	345	00	15	00	
			26	345	57	14	03	
			27	346	50	13	10	
			28	347	45	12	15	
			29	348	48	11	12	
			30	349	50	10	10	
			31	350	34	09	26	
			32	351	24	08	36	
			33	351	60	09	00	
			34	352	35	07	25	
			35	353	03	06	57	
			36	353	33	06	27	
			37	353	53	06	07	
		8:21	38	354	27	05	33	

F. B. 2820 PG. 18

Job No. 5A17E Division No. Notes Red. Plotted Profile

Survey of Date Date No.

Survey by C. J. GALLI Notes Notes Chkd. Checked X-Sec.

Indexed Date Date No.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 993 + 61.79			
	Sight on		N-105		71°42' Lt.	
T.P.				6.29	T.P. Cont	
T.P.				4.30	T.P. 1"x2" on 50' off set Line Rt.	
				9.0	82' Rt. Sand	
				11.6	100' Rt. " under House	
T.B.M. # 49				9.91	T.B.M. # 49 El. 9.91 F.B. 3790-122 Bt. spk. in Pile @ S.W. Cor. Tong Lei Cafe.	
	411	841		4.30	T.P. 1x2 50' RIGHT	(* AT 985+71.83 SIGHT ON N105)
			167	-83	4 #1 12° 22	
			156	-72	2 10 05	
			129	-45	3 7 07	
			109	-25	4 2 37	
			96	-12	5 0 45	
			65	19	6 4 TO RIGHT 2° 13'	
			48	36	50 FT RIGHT	
			38	46	55 FT RIGHT M.H.T	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date 6-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date JUN 25 '68

F.B. 2820 Pg. 19

F. B. 2820 PG. 20 | Job No.____ Division No.____ Notes Red____ Plotted____ Profile

Survey of____ Date____ Date____ No.____

Survey by____ Notes____ Notes Chk'd.____ Checked____ X-Sec.

Indexed____ Date____ Date____ Date____ No.____

76-L-298 CE 307 5-66

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Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

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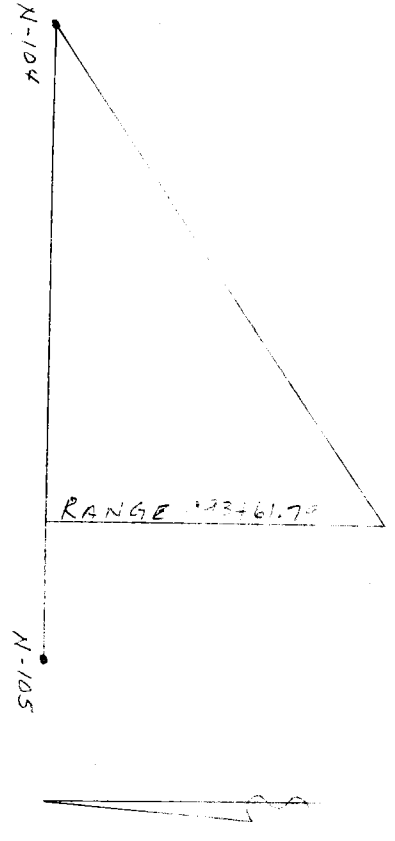
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-105	8:41	1	306	03	53	57	
			2	307	08	52	52	
			3	308	04	51	56	
			4	308	55	51	07	
			5	310	13	49	47	
			6	311	36	48	24	
			7	313	00	47	00	
			8	314	14	45	46	
			9	315	29	44	31	
			10	316	32	43	28	
			11	317	52	42	08	
			12	319	25	40	35	
			13	320	51	39	09	
			14	322	53	37	07	
			15	324	32	35	28	
			16	326	26	33	34	
			17	328	29	31	31	
			18	330	53	29	07	
			19	333	12	26	48	
			20	335	34	24	26	



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

F.B. 2820 Pg. 21

76L. 07 Cdb 12-62

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.

Inst. At	Sight On	Time	Angle No.	Hor. Deg.	Angle Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	337	45	22	15	
			22	340	06	19	54	
			23	341	40	18	20	
			24	343	22	16	38	
			25	344	50	15	10	
			26	346	23	13	37	
			27	347	50	12	10	
			28	348	38	11	22	
			29	349	45	10	15	
			30	350	51	9	09	
			31	352	06	7	54	
			32	352	54	7	06	
		8:47	33	355	48	3	12	

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

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Division No. ____ Job No. ____ Notes ____ Date ____

SAME

F. B. 2820 Pg. 22

Survey of ____

Survey by C.J. GALLI

Indexed ____

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
			STA. 996+25.11			
	Sight	on N-105				71° 42' Lt.
T.B.M. #49				9.91	T.B.M. #49 Cont.	
T.P.				6.81	T.P. 1"x2" @ 35' off set Line Rt.	
				10.0	67' Rt Sand - under House	
T.P.				10.11	T.P. only	
					⊼ AT 985+71.83 SIGHT N105	
	115	796		6.81	T.P. 1x2 35' RT.	
		(80)	34	4.6	15 FT RIGHT M.H.T.	
			49	3.1	℄ STA. SAND	
			78	0.2	⊼ #1 1° 40'	
			89	-0.9	2 2 51	
			102	-2.2	3 4 30	
			113	-3.3	4 6 08	
			126	-4.6	5 7 42	
			148	-6.8	6 9 36	
			166	-8.6	7 11° 12'	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.07 Division No. 11 F.B. 2820 Pg. 23
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by Cur. Vis. Notes A.E.C. Date 6-10-1969
Date ____ Date ____ Map No. ____ Indexed R.J. GALLI Date [illegible]

F. B. 2820 PG. 24 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of Malibu Area-Hyd. Survey Date _____ Date _____ No. _____

Survey by CURTIS Notes CURTIS 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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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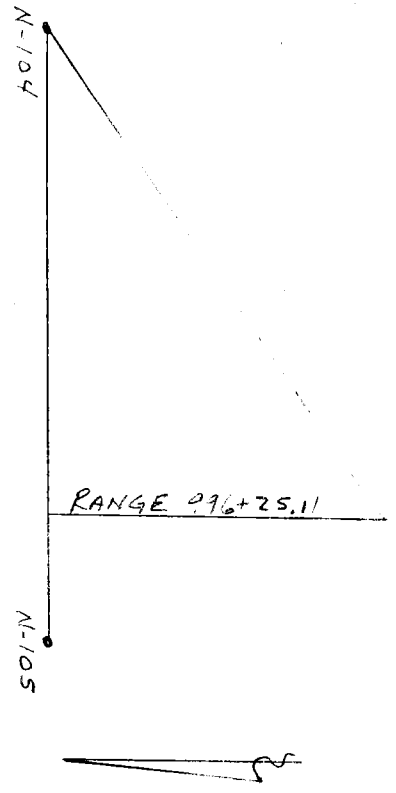
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-105	8:53	1	309	13	50	47	
			2	309	58	50	02	
			3	311	08	48	52	
			4	312	04	47	56	
			5	313	03	46	57	
			6	314	18	45	42	
			7	315	48	44	12	
			8	316	53	43	07	
			9	317	57	42	03	
			10	319	20	40	40	
			11	320	40	39	20	
			12	322	13	37	47	
			13	328	55	31	05	
			14	330	53	29	07	
			15	332	17	27	43	
			16	333	39	26	21	
			17	335	15	24	45	
			18	336	53	23	07	
			19	338	15	21	45	
			20	339	22	20	38	



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. Checked Survey by Notes JOH Date 6-10-69

No. Date Date Map No. Indexed Date

F. B. 2820 PG. 25

76L298 307 Cdb 12-62

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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.

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. SAME

Job No. Notes Date

Survey of

Survey by

Indexed

F. B. 2820 PG. 26

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	340	42	19	18	
			22	342	04	17	54	
			23	343	53	16	07	
			24	344	59	15	01	
			25	346	00	14	00	
			26	347	00	13	00	
			27	348	17	11	43	
			28	349	07	10	53	
			29	350	04	9	56	
			30	351	13	8	47	
			31	352	02	7	58	
			32	352	34	7	26	
			33	353	37	6	23	
			34	354	47	5	13	
		8:59	35	355	36	4	24	

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 998+88.43			
	Sight on N-105				71°42' Lt.	
T.P.				10.11	T.P. Cont. from Sta. 996+25.11	
T.P.				8.19	T.P. 1"x2" @ 20' offset Rt, Sand.	
				11.8	56' Rt Bot. Bank sand	
				20.3	67' Rt Top "	
					⊼ AT 985+71.83 SIGHT N 105	
	-0.42	7.77		8.19	T.P. 1x2 @ 20' RT	
		.8				
			176	-9.8	∡ # 1 11° 51'	
			164	-8.6	2 10 18	
			140	-6.2	3 8 07	
			119	-4.1	4 6 08	
			106	-2.8	5 4 30	
			94	-1.6	6 2 50	
			84	-0.6	7 1 41	
			58	2.0	8 1° 04'	
			42	3.6	10 FT LEFT	
			32	4.6	1 FT LEFT M.H.T.	
			27	5.1	℄ SAND	

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 Pg. 27
X-Sec. No. ____ Date ____ Date ____ Survey of Hydrographic Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes A.S.C. Date [illegible]
Date ____ Date ____ Map No. ____ Indexed C.L. CALLI Date [illegible]

F.B. 2820 PG. 28 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of Malibu Area - Hyd. Survey Date _____ Date _____ No. _____

Survey by CURTIS Notes CURTIS 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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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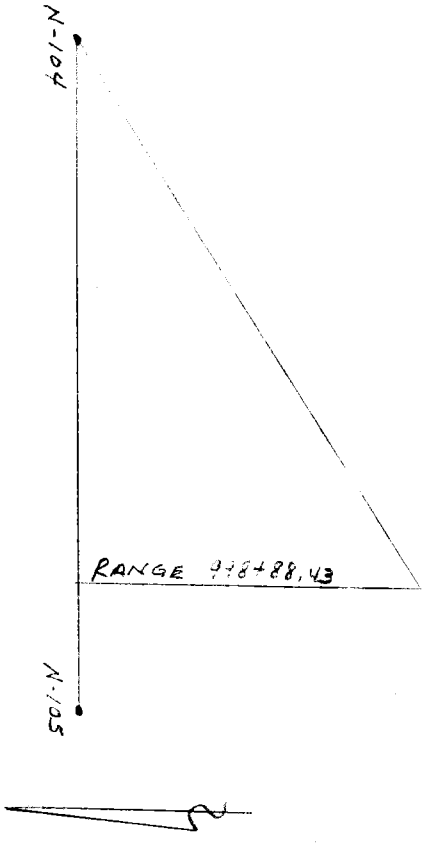
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-105	9:23	1	311	03	48	57	
			2	312	09	47	51	
			3	313	09	46	51	
			4	314	09	45	51	
			5	315	11	44	49	
			6	315	55	44	05	
			7	316	48	43	12	
			8	317	58	42	02	
			9	319	05	40	55	
			10	320	24	39	36	
			11	321	09	38	51	
			12	322	01	37	59	
			13	323	01	36	59	
			14	324	05	35	55	
			15	325	11	34	49	
			16	326	05	33	55	
			17	327	23	32	37	
			18	328	22	31	38	
			19	329	40	30	20	
			20	330	46	29	14	



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

No. ____ Date ____ Date ____ Survey of [illegible] SUBDIV

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]

No. ____ Date ____ Date ____ Map No. ____ Index [illegible] Date [illegible]

F.B. 2820 PG. 29

76L298 307 Cdb 12-62

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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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	331	57	28	03	
			22	333	15	26	45	
			23	334	00	26	00	
			24	335	11	24	49	
			25	336	25	23	35	
			26	337	28	22	32	
			27	338	50	21	10	
			28	340	31	19	29	
			29	341	40	18	20	
			30	343	07	16	53	
			31	344	44	15	16	
			32	345	52	14	08	
			33	347	30	12	30	
			34	348	33	11	27	
			35	349	49	10	11	
			36	351	12	8	48	
			37	352	01	7	59	
			38	352	36	7	24	
			39	353	27	6	33	
			40	354	05	5	55	
			41	354	37	5	23	
		9:29	42	355	39	4	21	

F. B. 2820 PG. 30

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

Survey of ____ Date ____ Date ____ No. ____

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

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

SAME

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	N-105 1002+66.34
			STA.	1001+	51.75
	Sight on N-105				71° 42' Lt
T.P.				8.19	T.P. Cont. from STA. 998+88.43
T.P.				9.11	T.P. 1"x2" @ Sta. Sand
				10.9	22' Rt. Bot. Bank Sand
				21.9	37 Rt. Top "
T.B.M. #50				11.69	T.B.M. #50 El. 11.69 F.B. 37.90-122 Bt. spk in Most Eastly Pile Malibu Pier.
	2 00	11 11		9 11	T.P. 1X2 ℄
	1 12	6 79	5 44	5 67	T.P. (T AT 985+71 83
		8	2 2	4 6	33 FT. LEFT M.H.T. SIGHT ON N 105)
			4 2	2 6	50 " "
			5 0	1 8	∡ #1 2° 00'
			7 1	-0 3	2 2 42
			9 0	-1 2	3 3 35
			10 7	-3 9	4 4 56
			11 9	-5 1	5 6 14
			13 2	-6 4	6 7 30
			14 4	-7 6	7 9 00
			15 5	-8 7	8 9 58
			17 2	-10 4	9 10 54

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg 31
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by Curtis Notes ASE Date 6-10-1969
Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F. B. 2820 PG. 32 | Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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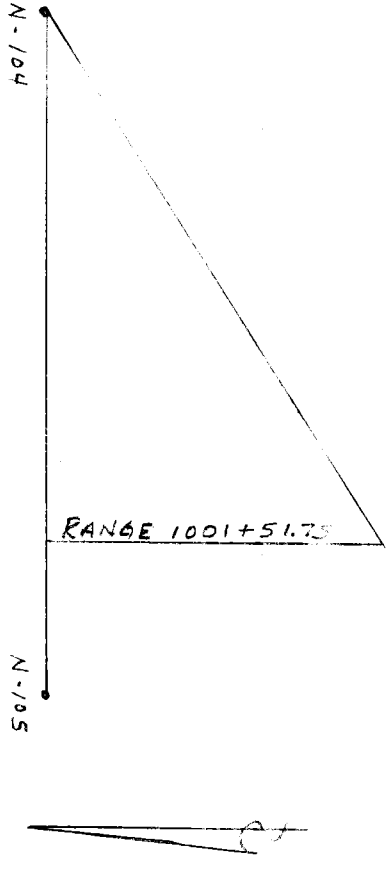
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-105	9:45	1	315	48	44	12	
			2	316	53	43	07	
			3	317	30	42	30	
			4	318	04	41	56	
			5	318	36	41	24	
			6	319	24	40	36	
			7	320	02	39	58	
			8	320	50	39	10	
			9	321	36	38	24	
			10	322	34	37	26	
			11	323	31	36	29	
			12	324	25	35	35	
			13	325	24	34	36	
			14	326	21	33	39	
			15	327	22	32	38	
			16	328	38	31	22	
			17	329	35	30	25	
			18	330	55	29	05	
			19	332	19	27	41	
			20	333	54	26	06	



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 2820 PG. 33

No. ____ Date ____ Date ____ Survey of MALIBU HYDED SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DAN Date ____

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

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	335	30	24	30	
			22	337	05	22	55	
			23	338	43	21	17	
			24	340	39	19	21	
			25	342	01	17	59	
			26	343	20	16	40	
			27	344	23	15	37	
			28	345	41	14	19	
			29	346	43	13	17	
			30	347	54	12	06	
			31	349	35	10	25	
			32	350	52	9	08	
			33	352	32	7	28	
			34	353	50	6	10	
			35	354	33	5	27	
		9:51	36	355	25	4	35	
			~~32~~					

F. B. 2820 PG. 34

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

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed C.J. GALLI Date Date Date No.

76-L-298 CE 307 5-66

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	N-105 1002+66.34
					STA. 1002+66.34 = N-105
	Sight on N-106				90°00' Lt.
T.B.M. #50				11.69	T.B.M. #50 El. 11.69 (cont)
T.P.				10.55	T.P. 1"x2" @ Sta. Sand.
				11.0	38' Rt. Bot. Bank Sand.
				14.6	50' Rt. Top " under Pier
				9.20	30' Lt. 1"x2" Sand
		6 79			CONT FROM 1001+51.75
		8 46	161	- 93	4 1 10° 56' (⊼ ON 985+71.83 SIGHT N-105)
			144	- 76	2 8 33
			130	- 62	3 7 01
			112	- 44	4 5 36
			99	- 31	5 4 37
			88	- 20	6 3 46
			71	- 03	7 3 05
			56	12	(86 FT LEFT) 8 2° 43'
			22	46	56 " " M.H.T
			+22	90	30 FT "
			+37	105	15 " "

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 35
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date JUN 25 '68

F. B. 2820 PG. 36 Job No.____ Division No.____ Notes Red____ Plotted____ Profile

Survey of____ Date____ Date____ No.____

Survey by____ Notes____ Notes Chk'd.____ 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.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

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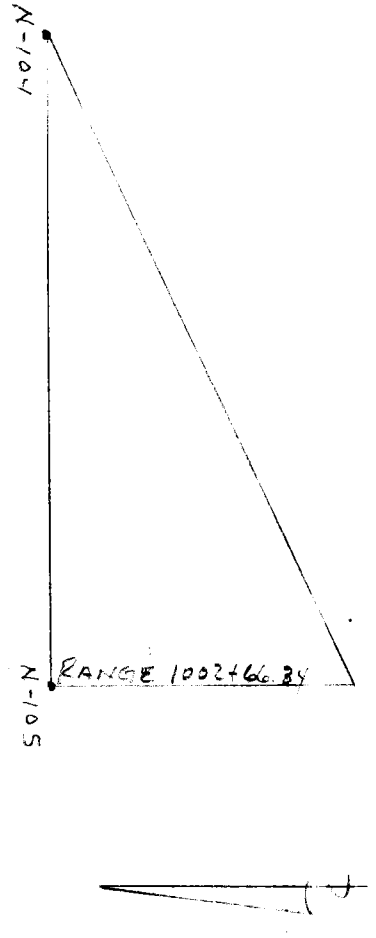
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY RANGE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-105	9:57	1	335	31	24	29	
			2	337	27	22	33	
			3	339	10	20	50	
			4	340	49	19	11	
			5	342	19	17	41	
			6	343	50	16	10	
			7	344	46	15	14	
			8	346	05	13	55	
			9	347	06	12	54	
			10	348	09	11	51	
			11	349	29	10	31	
			12	350	28	9	32	
			13	351	26	08		
			14	352	29			
			15	353	13			
			16	354	12			
		10.0	17	355	03			
			~~18~~					
			~~19~~					
			~~20~~					



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

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 6-10-69

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

F.B. 2820 PG. 37

F. B. 2820 PG. 38

Job No.______ Division No.______ Notes Red.______ Plotted______ Profile

Survey of______ Date______ Date______ No.______

Survey by______ Notes______ Notes Chkd.______ Checked______ X-Sec.

Indexed______ Date______ Date______ Date______ No.______

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No

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76L298 307 Cdb 12-62

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
			STA	1005+16.34		
Sight on N-106						90°00' Lt.
T.B.M. #50				11.69	TBM #50 (cont.)	
T.P.				9.08	T.P. 1"x2" @ Sta. Sand	
				9.7	65' Rt. Sand. under House	
	0 20	7 71		7.51	30' Lt. 1"x2" sand	
					⊼ AT N 105	SIGHT N 106
			10	67	45 FT LEFT SAND.	
			27	50	70 " " "	
			31	46	76 " " " M.H.T.	
			51	26	100 " "	
			62	15	112 " "	
			77	00	122 " "	
			102	-25	∡ #1 29° 53'	
			120	-43	2 35 24	
			135	-58	3 39 46	
			148	-71	4 44 37	
			156	-79	5 48 56	
			163	-86	6 52 18	

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 Pg. 39
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Circa Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes PSC Date 6-10-1967
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date [illegible]

F. B. 2820 Pg. 40

Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chkd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

Do not extend notes this side of this line.

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76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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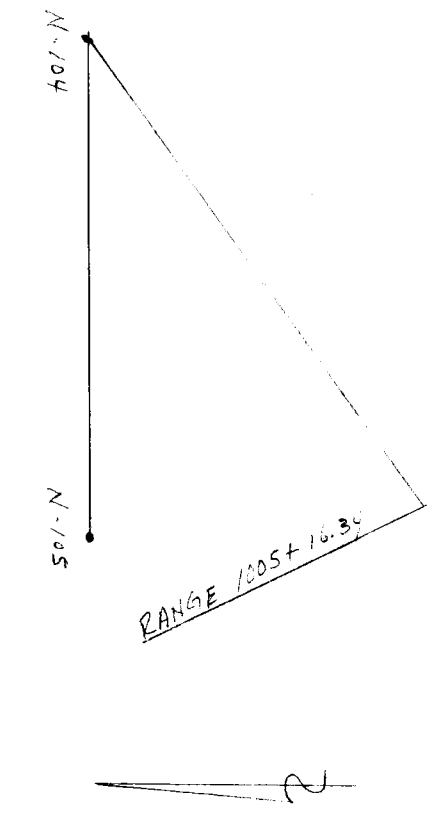
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-105	10:05	1	319	39	40	21	
			2	322	37	31	23	
			3	324	41	35	19	
			4	327	07	32	53	
			5	329	14	30	46	
			6	331	14	28	46	
			7	332	59	27	01	
			8	334	51	25	09	
			9	336	33	23	27	
			10	339	12	20	48	
			11	340	58	19	02	
			12	342	19	17	41	
			13	343	46	16	14	
			14	345	26	14	34	
			15	346	49	13	11	
			16	347	54	12	06	
			17	349	03	10	57	
			18	350	04	9	56	
			19	350	55	9	05	
		10:08	20	352	01	7	59	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 41

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-10-69

No. ____ Date ____ Date ____ Map No. ____ Indexed C. L. GALLI Date JUN 25 '69

F. B. 2820 PG. 42

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

Survey of____ Date____ Date____ No.____

Survey by____ Notes____ Notes Chkd.____ Checked____ X-Sec.

Indexed____ Date____ Date____ Date____ No.____

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	For Office Use Only: Range Line Min.	For Office Use Only: Card No.

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76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
			STA. 1007+66.34			
	SIGHT on N-106					90°00' Lt.
T.P.				9.08	T.P. Cont. from Sta	1005+16.34
T.P.				8.22	T.P. 1"x2" @ Sta	Sand
				9.0	70' Rt.	Sand
				8.0	100' Lt. Sand	
				7.92	200' Lt 1"x2" Sand	
TB.M.#51				11.08	T.B.M.#51 El. 11.08 F.B. 3790-123 Bt. spk. in pile @ SW. COR. LAST Ho. west of Pier.	
	0 20	8 12		7.92	1x2 200 FT LEFT	⊼ AT N 105 SIGHT N106
		46	191	-11 0	∆ #1 49° 12	
		35	184	-10 3	2 46 38	
			163	-8 2	3 43 20	
			135	-5 4	4 41 00	
			113	-3 2	5 37 59	
			99	-1 8	6 36 10	
			81	0 0	7 34 39	
			51	3 1	300 FT. LEFT	
			35	4 6	273 FT. " M.H.T.	
			11	7 1	220 " "	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 Pg. 43
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-10-1969
No. ____ Date ____ Date ____ Map No. ____ Indexed C.A. Date [illegible]

F.B. 2820 PG. 44

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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78-L298 CE 307 3-61

76L298 307 Cdb 12-62

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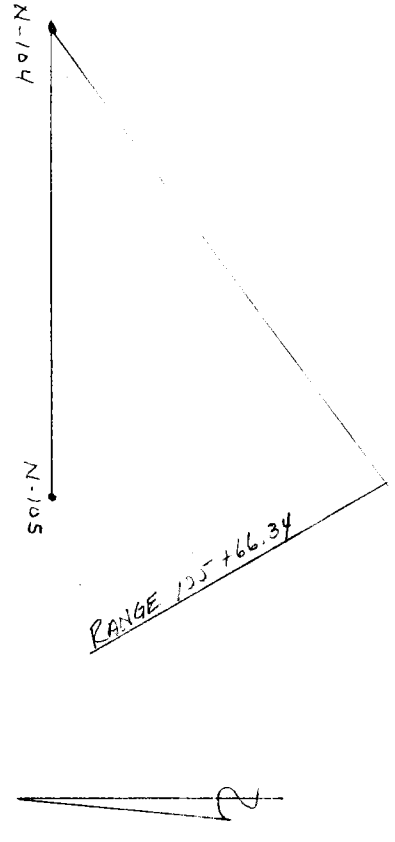
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-105	10:15	1	311	27	48	33	
			2	313	13	46	47	
			3	314	48	45	12	
			4	316	23	43	37	
			5	317	50	42	10	
			6	319	23	40	37	
			7	320	46	39	14	
			8	322	45	37	15	
			9	324	27	35	37	
			10	326	17	33	43	
			11	327	34	32	16	
			12	329	02	30	58	
			13	330	24	29	36	
			14	331	57	28	03	
			15	333	12	26	48	
			16	334	46	25	14	
			17	336	08	23	52	
			18	337	22	22	38	
			19	338	39	21	21	
			20	339	53	20	07	



Profile Notes Red. ____ Plotted ____ Job No. 2200.02 Division No. 11

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes DON Date 6-18-69

No. ____ Date ____ Date ____ Map No. ____ Indexed R.J. GALLI Date [illegible]

F. B. 2820 PG. 45

F. B. 2820 PG. 46 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

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

Indexed O. L. GALLI Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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

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INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	341	14	18	46	
			22	342	21	17	39	
			23	343	34	14	24	
		10:19	24	344	27	15	32	

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0300-02 Tape — Std. — °F
Office Work	Surveyed by RICHARDS
Checked	Notes USARRIET Date 6-10-69
Date	Indexed B. L. GALLI JUN 25 '69

F. B 2820 PG. 47

TIDE GAGE READINGS
JUNE 10, 1969
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	3.3
6:30	3.5
7:00	3.4
7:30	3.4
8:00	3.3
8:30	3.0
9:00	2.7
9:30	2.5
10:00	2.2
10:30	2.0
11:00	1.8
11:30	1.7
12:00	1.8
12:30	1.9
1:00	2.1
1:30	2.4
2:00	2.7

NOTE - TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE#310 3-68

F. B. 2820 PG. 48

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DEPARTMENT OF COUNTY ENGINEER
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Do not extend notes this side of this line. N-106 1010+91.92

STATION	B.S.	H.I.	F.S.	ELEV.		
				STA. 1010+16.34		
	Sight on N-106					90°00' Lt.
T.P.				8.22	T.P. Cont. from Sta.	1007+66.34
				7.86	T.P. 1"X2" @ Sta.	Sand
				12.1		50' Rt. Sand
				6.8	100' Lt. Sand.	
				7.05	200' Lt. 1"X2" Sand	
				7.89	300' Lt. 1"X2" "	
T.P.				9.70	T.P. 1"X2" & N1. @ N-106	F.B. 3790-123 El. 9.70
					⊼ N105	SIGHT N106
	3 73	11 62		7 89	300 FT LEFT 1X2 T.P	
			25	9 1	375 " "	
			43	7 3	400 " "	
			58	5 8	425 " "	
			70	4 6	446 " " m.H.T.	
	260	7 98 (80)	624	5 38	T.P	
			64	1 6	∡ #1 32° 41'	
			103	-2 3	2 34 19	
			104	-2 4	3 36 07	
			121	-4 1	4 38 15	
			130	-5 0	5 39 55	

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 49
No. ____ Date ____ Date ____ Survey of Malibu Crea-Hyd. Survey
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes ASC. Date 6-16-1969
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F.B. 2820 Pg. 50 | Job No. 030002 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of MALIBU AREA HYDRO Date _____ Date _____ No. _____

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

Indexed C.J. GALLI Date _____ Date _____ Date _____ No. _____

78-L298 CE 307 3-61

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

STATION	B.S.	H.I.	F.S.	ELEV.	
		798			
		80			
			146	-66	
			168	-88	
					Cont
					6 41° 56'
					7 44 11

76L298 307 Cdb 12-62

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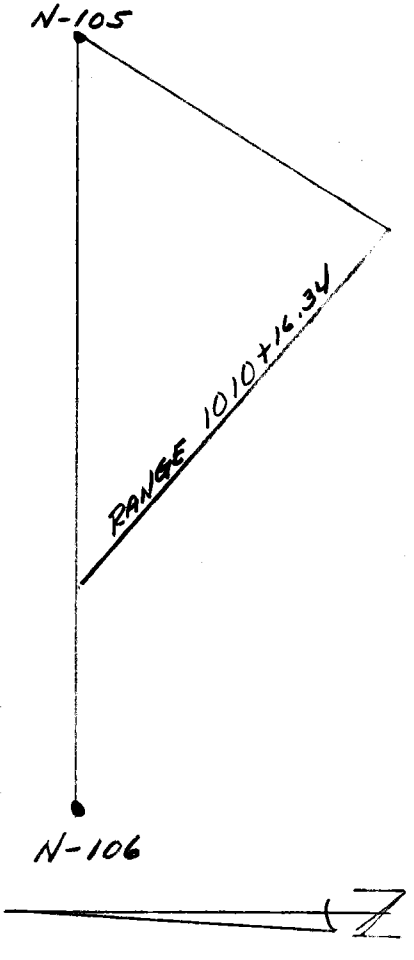
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-105	N-106	7:35	1	294	48	65	12	
			2	296	23	63	37	
			3	297	41	62	19	
			4	298	44	61	16	
			5	300	03	59	57	
			6	301	16	58	44	
			7	302	46	57	14	
			8	304	18	55	42	
			9	305	35	54	25	
			10	307	57	52	03	
			11	308	27	51	33	
			12	309	36	50	24	
			13	310	60	49	00	
			14	312	10	47	50	
			15	313	03	46	57	
			16	314	05	45	55	
			17	315	15	44	45	
			18	316	06	43	54	
			19	317	00	43	00	
			20	318	02	41	58	



Profile Notes Red. ____ Plotted ____ Job No. 300.02 Division No. 11 F. B. 2820 Pg. 51

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-11-69

No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] GALLI Date [illegible]

76L29[illegible]07 Cdb 12-62

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Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	319	04	40	56	
			22	319	45	40	15	
			23	320	56	39	04	
			24	321	47	38	13	
			25	322	49	37	11	
			26	324	10	35	50	
		7:40	27	324	56	35	04	

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

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Division No. ____ Job No. ____ Notes ____ Date ____

F. B. 2820 Pg. 52

Survey of: Same

Survey by: C.J. GALLI

Indexed ____

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.			
					Sta. 1013+41.92		
Sight on N-107						90° 00' Lt.	
T.P.				9.70	T.P. Cont from 1"x2" @ N-106		
T.P.				10.39	T.P. 1"x2" @ Sta. Sand.		
				6.5	100' Lt. Sand		
				7.3	200' Lt. "		
				9.75	300' Lt. 1"x2" Sand		
					Tat N 105 Sight N-106		
		798			CONT. FROM 1010+16.34		
		80	188	-108	4 #1	45°	25'
			159	-79	2	43	18'
			130	-50	3	40	57
			125	-45	4	39	07
			106	-26	5	36	05
			101	-21	6	34	28
			99	11	7	33	06
			74	06	8	32	18
			34	46	402 FT LEFT M.H.T.		
	675	1319	154	644	T.P.		
			48	84	370 FT LEFT BRK		
			28	104	335 " " BRK		
			3.40	9.79	T.P. 300 FT LEFT		

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of Malibu Fire Cg. Hydrant Survey
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Noted ASC Date 6-10-1969
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2820 Pg. 53

F. B. 2820 PG. 54

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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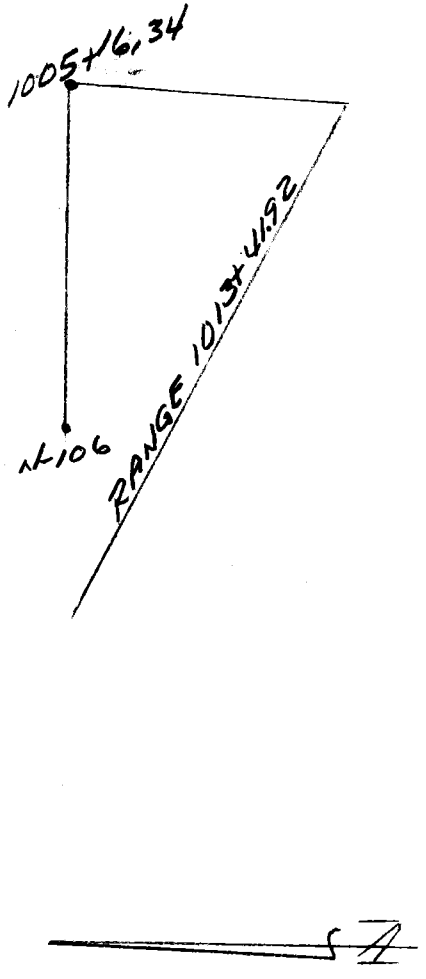
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1005+16	N-106	7:46	1	271	38	88	22	
			2	272	60	87	00	
			3	274	21	85	39	
			4	275	43	84	17	
			5	276	58	83	02	
			6	278	39	81	21	
			7	280	31	79	29	
			8	281	49	78	11	
			9	283	42	76	18	
			10	285	42	74	18	
			11	287	54	72	06	
			12	289	60	70	00	
			13	291	56	68	04	
			14	293	31	66	29	
			15	295	14	64	46	
			16	296	54	63	06	
			17	298	21	61	39	
			18	300	06	59	54	
			19	301	56	58	04	
			20	303	22	56	38	



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 2820 PG. 55
No. Date Date Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes T.G. Date 6-11-69
No. Date Date Map No. Indexed G. GALLI Date

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	304	30	55	30	
			22	305	35	54	25	
			23	306	40	53	20	
			24	308	15	51	45	
			25	309	23	50	37	
			26	310	49	49	11	
			27	312	28	47	32	
			28	313	29	46	31	
		7:51	29	314	60	45	00	

F. B. 2820 PG. 56

Job No. Division No. Notes Red. Plotted Profile

Survey of Same Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed D. L. GALLI Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
				STA. 1015 + 91.92		
SIGHT		on	N-107			90°00' Lt
T.P.				10.39	T.P. Cont. from Sta	1013+41.92
T.P.				10.65	T.P. 1"x2" @ Sta.	Sand-
				7.1	100' Lt. Sand	
				9.19	200' Lt. 1"x2" Sand	
				11.06	250' Lt. 1"x2" "	
T.B.M. #52				9.18	T.B.M. #52 El. 9.18 Sta 1018+41.92 1"x2" @ Fence	
					⊼ AT N 107 SIGHT N 106	
	1 04	12 10		11 06	T.P. 1X2 250' LEFT	
			10		256 FT. LEFT TOP BRK SAND	
			24		266 " " "	
			49		280 " " SAND	
	0 65	7 06	569	641		
			25		294 " " "	M.H.T.
			46		4*1 22° 28'	
			59		2 23 22	
			82		3 24 29	
			89		4 26 48	
			102		5 29 57	
			117		6 32 56	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 57
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes ASC Date 6-11-1969
Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		7 06				
		1				
			127	-56	∡ # 7	35° 54'
			134	-63	8	38 09
			140		9	40 51
			158		10	42 52
			193	513	T.P.	CONT. TO 1018 + 41.92

F.B. 2820 PG. 58

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

Survey of ____ Date ____ Date ____ No. ____ X-Sec. ____

Survey by ____ Notes ____ Notes Chkd. ____ Checked ____ No. ____

Indexed G.L. GALLI Date ____ Date ____ Date ____

76L298 307 Cdb 12-62

PLEASE RETURN TO

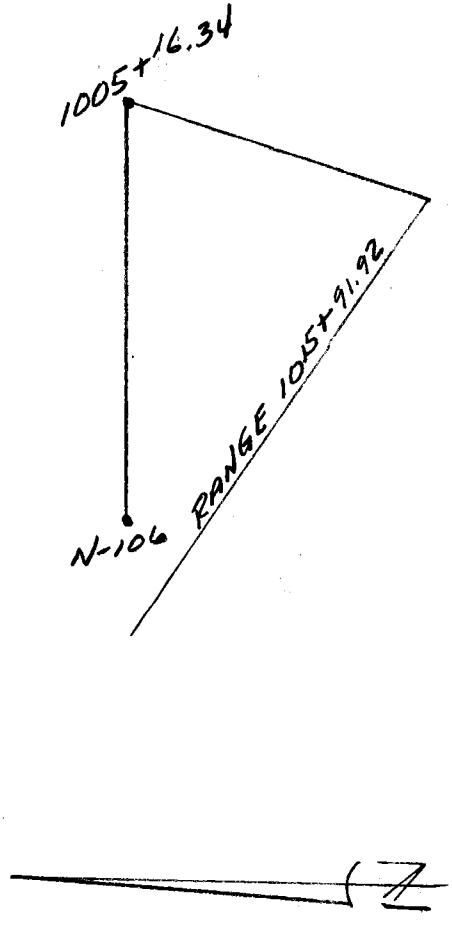
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1005+16	N-106	7:56	1	279	23	80	37	
			2	280	34	79	26	
			3	281	59	78	01	
			4	283	46	76	14	
			5	285	46	74	14	
			6	287	33	72	27	
			7	289	14	70	46	
			8	291	34	68	26	
			9	292	48	67	12	
			10	294	27	65	33	
			11	296	06	63	54	
			12	297	40	62	20	
			13	299	37	60	23	
			14	300	57	59	03	
			15	302	22	57	38	
			16	304	03	56	57	/
			17	305	07	54	53	
			18	305	54	54	06	
			19	306	34	53	26	
			20	307	27	52	33	



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 59

X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J. G. Date 6-11-69

Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date JUN 25 '69

76L298 307 Cdb 12-62

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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	308	18	51	42	
			22	309	11	50	49	
			23	310	23	49	37	
			24	311	21	48	39	
			25	312	31	47	29	
			26	313	20	46	40	
			27	314	40	45	20	
			28	315	55	44	05	
			29	317	01	42	59	
			30	318	22	41	38	
			31	319	31	40	29	
			32	320	59	39	01	
		8:02	33	322	27	37	33	

F. B. 2820 Pg. 60 Job No. ____ Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of SAME Date ____ Date ____ No. ____

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

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

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
				STA. 1018 + 41.92		
	SIGHT ON N-107					90°00' Lt.
T.B.M. #52				9.18	T.B.M. #52 El. 9.18 FB. 3 170-133 1"x2" @ Fence No. 4 Sta. 1015+41.92	
T.P.				7.12	T.P. 1"x2" @ Sta. [illegible]	
				9.2		70' Rt. Sand
				8.1	100' Lt	Sand
				10.3	175' Lt Brk.	"
				7.57	200' Lt 1"x2	"
T.P.				7.10	T.P.	
					T ON N107 SIGHT N 106	
	146	659		5.13	T.P. CONT. FROM 1015+91.92	
		6	146	-80	4 1 52° 13'	
			139	-73	2 50 15	
			131	-65	3 47 56	
			113	-47	4 45 02	
			97	-31	5 42 05	
			91	-25	6 39 12	
			79	-13	7 43 36	MEAN DATUM LOWER LOW WATER
			67	-01	8 33 20	
			60	06	9 30 17	
			37	19	10 27 46	

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of MG/16 Overhead - Hyd. Survey
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes 450 Date 5-11-92
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

0300.07

F.B. 2820 Pg. 61

F.B. 2820 Pg. 62 | Job No. | Division No. | Notes Red | Plotted | Profile

Survey of | Date | Date | No.

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

Indexed C. J. GALLI | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.	
T.P.	420	659			
		1079	20	46	241 FT LEFT
			002	657	
			318	759	T.P. 200 FT. LEFT 1X2 EL. 757

78-L298 CE 307 3-61

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

Do not extend notes this side of this line.

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

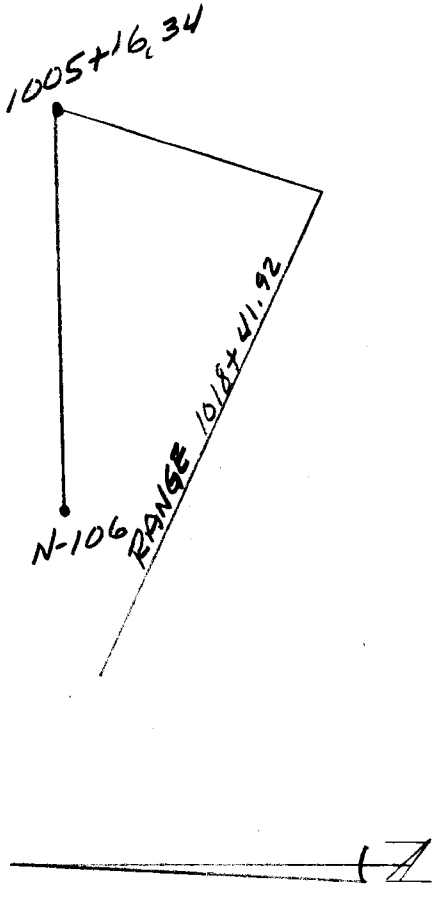
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1005+16	N-106	8:07	1	282	21	77	39	
			2	283	15	76	45	
			3	284	38	75	22	
			4	285	55	74	05	
			5	287	16	72	44	
			6	288	56	71	04	
			7	290	38	69	22	
			8	292	19	67	41	
			9	293	40	66	20	
			10	295	14	64	46	
			11	296	40	63	20	
			12	298	10	61	50	
			13	299	58	60	02	
			14	302	43	57	17	
			15	304	20	55	40	
			16	305	42	54	18	
			17	306	55	53	05	
			18	307	52	52	08	
			19	309	42	50	18	
			20	311	01	48	59	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 63
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-11-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date JUN 25 '69

76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	312	13	47	47	
			22	313	47	46	13	
			23	315	04	44	56	
			24	316	44	43	16	
			25	317	52	42	08	
			26	319	19	40	41	
			27	320	29	39	31	
			28	321	33	38	27	
			29	322	27	37	33	
		8:12	30	324	00	36	00	

F. B. 2820 PG. 64

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

Survey of SAME Date ____ No. ____

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

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

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
					STA. 1020+91.92	
	SIGHT on N-107					90°00' Lt.
T.P.				7.10	T.P. Cont. from STA 1018+41.92	
T.P.				6.82	T.P. 1"x2" @ Sta Sand & No. Edge Lagoon	
	017	640		6.23	100' Lt. 1"x2" Sand	
					⊼ AT 1015+91.92 SIGHT N107	
			18	46	145 FT LEFT SAND M.H.T	
			26	38	150 " " "	
			38	26	200 " " "	
			54	10	4 "1 28° 00'	
			67	-03	2 32 44	
			88	-24	3 36 58	
			105	-41	4 40 22	
			114	-50	5 43 11	
			127	-63	6 47 02	
			140	-76	7 50 40	
	328	712	256	384	T.P. (NOT USED)	
		CONT. TO	1023	+41.92		

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 65
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area Hyd Survey
Notes Chkd. ____ Checked ____ Survey by CURTIS Notes ASC Date 6-11-1969
Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F. B. 2820 PG. 66 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chkd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO

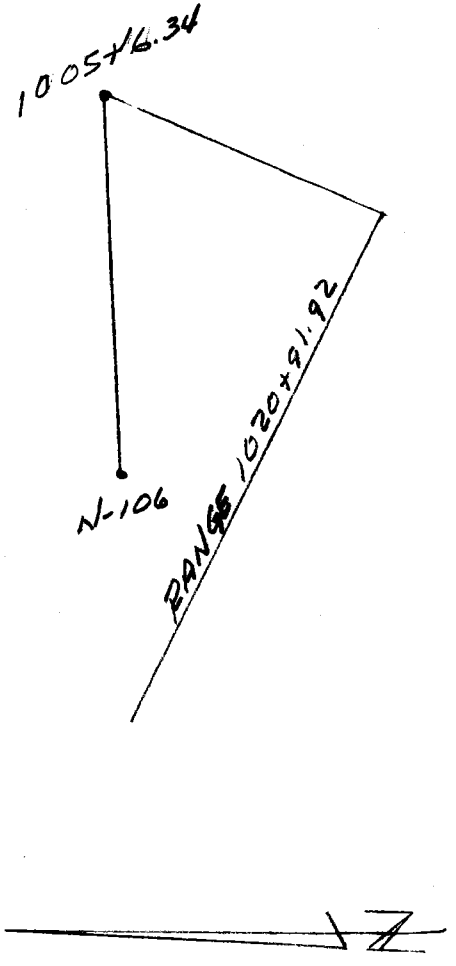
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1005+16	N-106	8:25	1	286	08	73	52	
			2	287	30	72	30	
			3	288	37	71	23	
			4	289	55	70	05	
			5	291	01	68	59	
			6	292	16	67	46	
			7	293	30	66	30	
			8	294	34	65	26	
			9	295	55	64	05	
			10	297	05	62	55	
			11	297	56	62	04	
			12	299	02	60	58	
			13	300	16	59	44	
			14	301	23	58	37	
			15	302	51	57	09	
			16	304	15	55	45	
			17	305	37	54	23	
			18	306	46	53	14	
			19	307	41	52	19	
			20	308	49	51	11	



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 67

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-11-69

No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date JUL 25 1969

76L298 307 Cdb 12-62

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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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	309	41	50	19	
			22	310	44	49	16	
			23	311	46	48	14	
			24	312	37	47	23	
			25	313	26	46	34	
			26	314	04	45	56	
			27	314	38	45	22	
			28	315	34	44	26	
			29	316	24	43	36	
			30	317	14	42	46	
			31	318	07	41	53	
			32	318	54	41	06	
			33	320	33	39	27	
			34	321	44	38	16	
			35	323	09	36	51	
			36	324	31	35	29	
			37	325	47	34	13	
		8:31	38	327	05	32	55	

F. B. 2820 PG. 68

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

Survey of ____ Date ____ Date ____ No. ____

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

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

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line. N-107 1023+50.45

STATION	B.S.	H.I.	F.S.	ELEV.		
			STA. 1023+41.92			
	SIGHT ON		N-107			90°00' Lt.
T.P.				6.82	T.P. Cont. from STA. 1020+91.92	
T.P.				9.91	T.P. 1"x2" @ Sta. Sand	
				7.4	75' Rt. Sand	
				5.8	156' Rt. Edge Lagoon Sand	
				10.00	16' Lt. Brk. Sand	
				8.27	40' Lt. 1"x2" Sand	
					⊼ AT 1015+91.92 SIGHT ON N107	
		712			CONT FROM 1020+91.92	
			161	-90	∡ #1 37° 18'	
			150	-79	2 35 25	
			144	-73	3 32 49	
			130	-59	4 29 34	
			121	-50	5 26 55	
			107	-36	6 24 17	
			99	-28	7 21 59	
			85	-14	8 19 04	
		H.I. CONT. TO 1023-50.45	70	01	9 15 48	ROCKS TO 2FT DIA.
			54	17	10 10 18	" " "
			47	24	11 9° 00'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 69
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area-Hyd Survey
Notes Chkd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-1-1969
Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F. B. 2820 Pg. 70 | Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed C. J. GALLI Date _____ Date _____ Date _____ No. _____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
		7 12	2 5	46	79 FT LEFT M.H.T. SAND

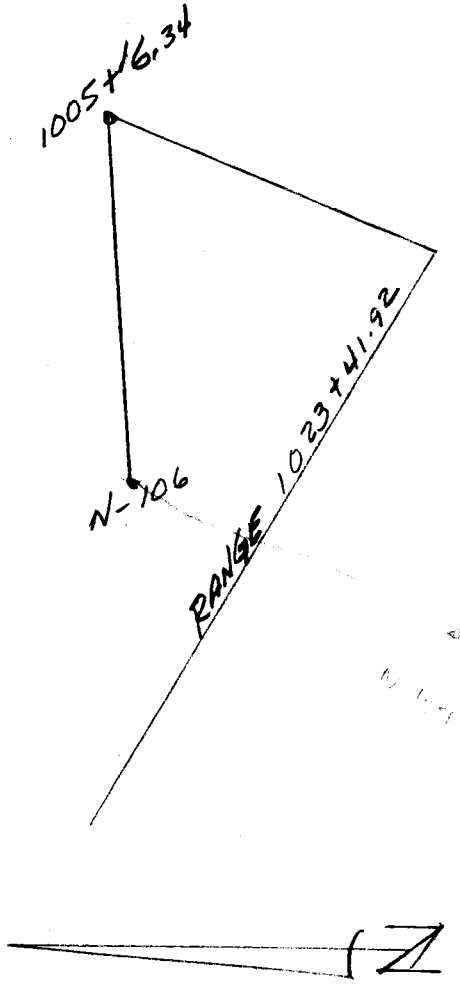
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1005+16	N-106	8:47	1	287	59	72	01	
			2	288	45	71	15	
			3	290	13	69	47	
			4	291	29	68	31	
			5	293	05	66	55	
			6	294	27	65	33	
			7	295	35	64	25	
			8	296	51	63	09	
			9	298	20	61	40	
			10	299	42	60	18	
			11	300	59	59	01	
			12	302	13	57	47	
			13	303	16	56	44	
			14	304	12	55	48	
			15	305	45	54	15	
			16	307	05	52	55	
			17	308	30	51	30	
			18	309	59	50	01	
			19	311	14	48	46	
			20	312	19	47	41	



Profile Notes Red. Plotted Job No. Division No. 11
No. Date Date Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 6-11-69
No. Date Date Map No. Indexed [redacted] GALLI Date JUN 25 [redacted]

0300.02

F.B. 2820 PG. 71

76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	313	16	46	44	
			22	314	13	45	47	
			23	314	55	45	05	
			24	315	38	44	22	
			25	316	22	43	38	
			26	317	00	43	00	
			27	317	36	42	24	
			28	318	09	41	51	
			29	318	56	41	04	
			30	319	44	40	16	
			31	320	17	39	43	
			32	321	21	38	39	
			33	322	17	37	43	
			34	323	32	36	28	
			35	324	50	35	10	
			36	326	16	33	44	
			37	327	33	32	27	
		8:54	38	328	54	31	06	

F. B. 2820 PG. 72

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

Survey of SAME Date ____ No. ____

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

Indexed G. L. GALLI Date ____ Date ____ No. ____

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
				STA. 1023 + 50.45 = N-107		
	SIGHT ON N-109				90° 00' Lt.	
T.P.				9.91	T.P. Cont. from STA. 1023.+ 41.92	
T.P.				9.72	T.P. 1"x2" @ STA. Sand,	
		CONT. FROM 1023+41.92		7.0	95' Rt. Sand Edge Lagoon	
		7.12		9.9	13' Lt. Brk. Sand	
	0.08	7.11	0.08	7.03	40' Lt. 1"x2" "	
			25	46	63 FT LEFT M.H.T.	
			47	24	* 1 5° 33'	(π AT 1015+91.92 SIGHT ON N 107)
			72	-01	2 9 36	
			75	-04	3 10 46	
			78	-07	4 13 20	
			88	-17	5 15 45	
			106	-35	6 13 17	
			122	-51	7 20 17	
			140	-69	8 22 36	
			154	-83	9 25 15	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Malibu Creek - Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by Curtis Noted ASC Date 6-11-1969
No. ____ Date ____ Date ____ Map No. ____ Indexed [redacted] Date [redacted]

0300.02

F.B. 7820 Pg. 73

F. B. 2820 PG. 74 | Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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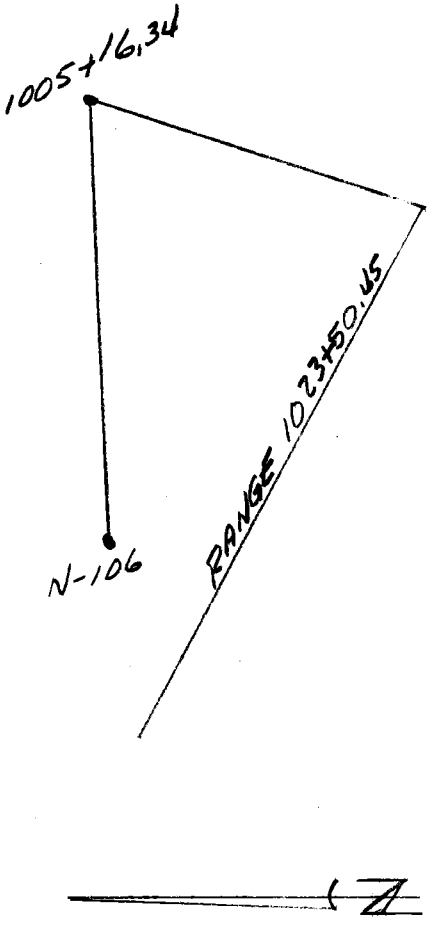
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1005+16	N-106	9:00	1	303	15	56	45	
			2	304	38	55	22	
			3	305	33	54	27	
			4	306	39	53	21	
			5	307	59	52	01	
			6	309	04	50	56	
			7	310	03	49	57	
			8	311	07	48	53	
			9	312	15	47	45	
			10	313	16	46	44	
			11	314	17	45	43	
			12	315	25	44	35	
			13	316	34	43	26	
			14	317	36	42	24	
			15	318	19	41	41	
			16	319	02	40	58	
			17	319	52	40	08	
			18	320	42	39	18	
			19	321	20	38	40	
			20	322	02	37	58	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 75

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-11-69

No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date JUN 25 '69

76L298 307 Cdb 12-62

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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.

Inst. At	Sight On	Time	Angle No.	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	322	35	37	25	
			22	323	25	36	35	
			23	323	60	36	00	
			24	325	10	34	50	
			25	326	15	33	45	
			26	327	24	32	36	
			27	328	13	31	47	
			28	329	19	30	41	
		9:05	29	330	12	29	48	

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

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Division No. ____ Job No. ____ Notes ____ Date ____

F. B. 2820 Pg. 76

Survey of SAME

Survey by ____

Indexed ____

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
				STA. 1023+58.98		
Sight on N-109						90°00' Lt.
				9.84	T.P. 1"x2" @ STA.	Sand.
				9.8	14' Lt. Brk Sand	
				7.71	40' Lt. 1"x2" Sand	
				6.7		92' Rt. Sand Ed. Lagoon
					⊤⊤ AT 1015+91.92 SIGHT ON N107	
		7 11			CONT.	
			150	-79	4 #1 18° 19'	
			135	-64	2 17 10	
			120	-49	3 15 20	
			106	-35	4 13 34	
			90	-19	5 11 38	
			75	-04	6 9 40	ROCKS to 18" DEEP
			61	10	7 7 35	" "
			65	06	8 5 58	
			59	12	9 4 45	
			25	46	68 FT LEFT M.H.T.	
			008	703	1X2 T.P	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 77
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area-Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by CURTIS Notes ASC. Date 6-11-1969
No. ____ Date ____ Date ____ Map No. ____ Indexed B.J. GALLI Date ____

F.B. 2820 PG. 78 | Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of _____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chkd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

Do not extend notes this side of this line.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L298 CE 307 3-61

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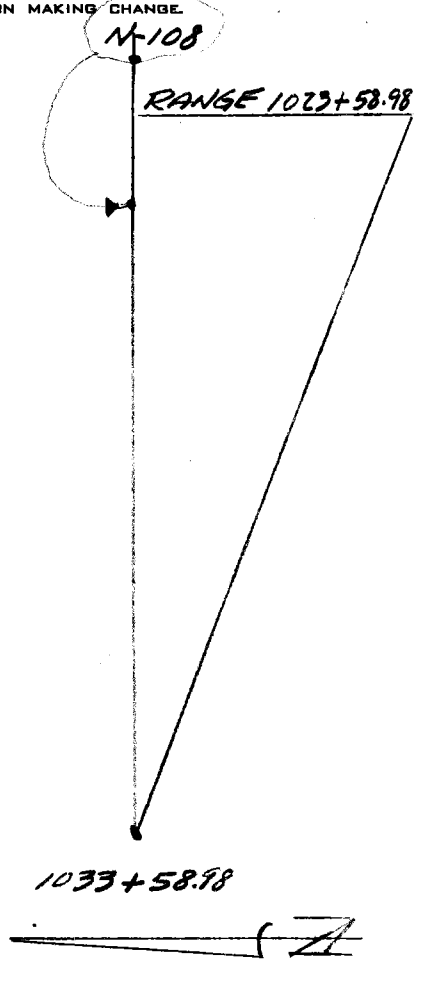
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1033+59	N-108	9:55	1	55	30			
			2	54	09			
			3	53	16			
			4	51	54			
			5	50	54			
			6	49	58			
			7	48	52			
			8	47	47			
			9	46	26			
			10	45	22			
			11	44	07			
			12	43	10			
			13	42	07			
			14	41	06			
			15	40	02			
			16	39	04			
			17	38	07			
			18	36	55			
			19	35	27			
			20	34	31			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 79

No. Date Date Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 6-11-69

No. Date Date Map No. Indexed B.J. GALLI Date

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	33	31			
			22	32	27			
			23	31	08			
			24	29	22			
			25	27	30			
			26	26	08			
			27	24	07			
			28	22	20			
			29	20	54			
		9:59	30	19	54			

F. B. 2820 PG. 80

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

Survey of SAME Date ____ No. ____

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

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

76-L298 CE 307 3-61

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
					STA. 1026+08.98	
Sight on N-109						90°00' Lt.
T.P.				9.84	T.P. Cont. from Sta. 1023+58.98	
T.P.				7.21	T.P. 1"x2" @ Sta. Sand	
				6.8		8' Rt. Sand. So. Bank Lagoon
				8.8	50' Lt	
	137	993		8.56	100' Lt. 1"x2" Sand	
					⊼ AT N 107 SIGHT N 109	
			43	56	122 FT LEFT SAND BRK.	
			63	36	153 " " " ~~M.H.T~~	(M.H.T NOT TAKEN)
	230	663	560	433	T.P.	
			51	15	∡ #1 34° 29'	
			56	10	2 41 21	
			57	09	3 47 45	
			65	01	4 52 50	
			75	-08	5 56 47	
			86	-20	6 59 16	
			89	-23	7 61 25	
			92	-26	8 63 18	
			126	-60	9 67 46	
			131	-65	10 68 56	
			+0.33	6.93	T.P. 90 FT LEFT STA. 1028+58.98	EL. = 6.94

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 81
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area-Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-11-1969
Date ____ Date ____ Map No. ____ Indexed [redacted] Date [redacted]

F.B. 2820 PG. 82 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of _____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chkd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

Do not extend notes this side of this line.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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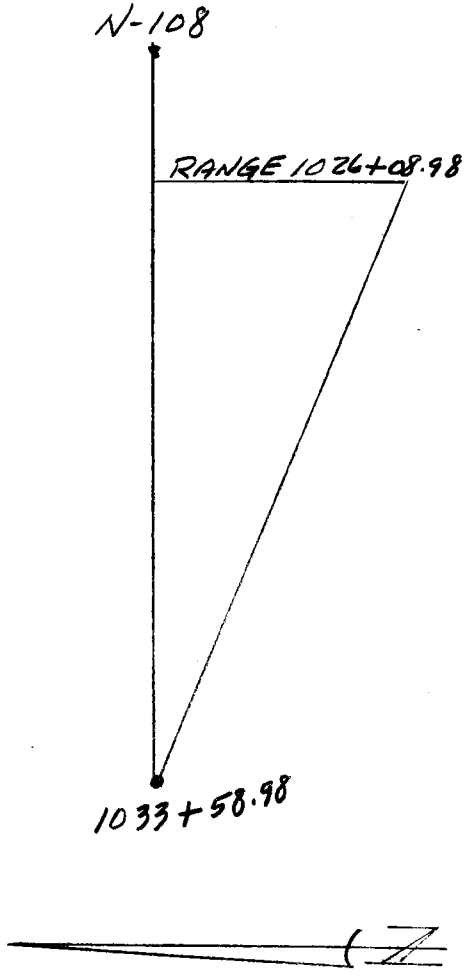
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1033+59	N-108	10:05	1	63	34			
			2	62	25			
			3	61	40			
			4	60	57			
			5	60	16			
			6	59	26			
			7	58	53			
			8	58	15			
			9	57	23			
			10	56	42			
			11	56	17			
			12	55	40			
			13	54	57			
			14	54	27			
			15	53	52			
			16	53	16			
			17	52	38			
			18	51	57			
			19	50	55			
			20	50	30			



Profile No.____ Notes Red.____ Plotted____ Job No. 0300.02 Division No. 11 F. B. 2820 PG. 83
X-Sec. No.____ Date____ Date____ Survey of MALIBU HYDRO. SURVEY
Notes Chkd.____ Checked____ Survey by RICHARDS Notes J.G. Date 6-11-69
Date____ Date____ Map No.____ Indexed [redacted] GALLI Date [redacted]

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	49	24			
			22	48	26			
			23	47	03			
			24	45	55			
			25	44	30			
			26	43	23			
			27	41	33			
			28	39	56			
			29	38	50			
			30	37	09			
		10:09	31	35	41			

F. B. 2820 PG. 84

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

Survey of SAME Date ____ No. ____

Survey by C. J. GALLI Notes ____ Date ____ Checked ____ X-Sec.

Indexed ____ Date ____ Notes Chkd. ____ Date ____ No. ____

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
				STA 1028+58.98		
		Sight on N-109			90°00' Lt	
T.P.				7.21	T.P. Con't from Sta. 1026+08.98	
T.P.				8.31	T.P. 1"x2" @ Sta. Sand.	
				6.3	100' Rt. Sand So. Edge Lagoon	
				10.4	68' Lt. Brk. Sand	
	-018	676		6.94	90' Lt. 1"x2" Sand	
		8	157	-89	X #1 49° 28'	X AT N 107, SIGHT N 109
			131	-63	2 47 23	
			116	-48	3 43 35	
			103	-35	4 39 51	
			96	-28	5 34 47	
			88	-20	6 29 25	
			76	-08	7 24 13	
			70	-02	8 20 00	
			59	09	9 16 32	
			43	25	122 FT LEFT	
			22	46	107 " " M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 Pg. 85
Date ____ Date ____ Survey of Mal. Co Area - Hyd. Survey
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes ASC Date 6-11-69
Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F. B. 2820 PG. 86 | Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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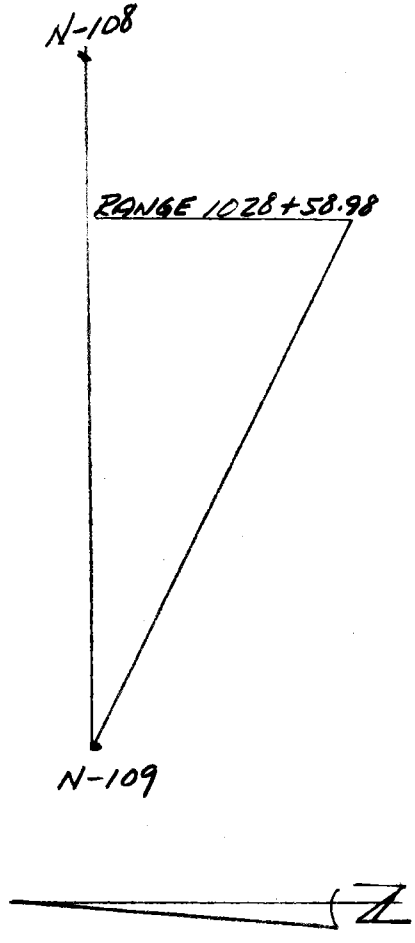
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-109	N-108	10:19	1	64	52			
			2	64	05			
			3	63	15			
			4	62	26			
			5	61	34			
			6	60	50			
			7	59	57			
			8	59	08			
			9	58	14			
			10	57	17			
			11	56	25			
			12	55	09			
			13	54	15			
			14	53	02			
			15	52	11			
			16	51	16			
			17	50	24			
			18	49	24			
			19	48	21			
			20	47	29			



Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 F. B. 2820 PG. 87

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of MALIBU HYDRO. SURVEY Survey by RICHARDS Notes J.G. Date 6-11-69 Map No. ____ Indexed [redacted] GALLI Date [redacted]

76L298 307 Cdb 12-62

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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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	46	30			
			22	45	06			
			23	43	57			
			24	42	35			
			25	41	02			
			26	39	29			
			27	37	51			
			28	36	35			
			29	35	35			
			30	34	39			
		10:24	31	32	60			

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

F. B. 2820 Pg. 88

Survey of SAME

Survey by C. L. GALLI

Indexed

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0300-02 Tape — Std — °F
Office Work	Surveyed by RICHARDS
Checked	Notes U.HARRIET Date 6-11-69
Date	Indexed BILL GALLI

F. B 28220 PG. 89

TIDE GAGE READINGS
JUNE 11, 1969
TIME – P.S.T.
DATUM – M.L.L.W.

TIME	TIDE
6:00	2.8
6:30	3.1
7:00	3.3
7:30	3.5
8:00	3.4
8:30	3.3
9:00	3.1
9:30	2.9
10:00	2.7
10:30	2.5
11:00	2.3
11:30	2.1
12:00	2.0
12:30	2.0
1:00	2.1
1:30	2.2
2:00	2.4

NOTE — TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

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

Do not extend this side of this line.

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

76F309S CE#310 3-68

F. B. 2820 PG. 90

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COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
					STA. 1031+08.98	
		Sight on N-109				90°00'Lt
T.P.				8.31	T.P. Cont. from Sta. 1028+58.98	
T.P.				8.96	T.P. 1"x2" @ Sta. Sand	"
				10.1	65' Rt. Sand	
				11.3	85' Lt. Brk Sand	
	0 27	9 52		9.25	100' Lt. 1"x2" "	
			4 9	4 6	127 " LEFT M.H.T.	
	1 64	7 12	4 04	5 48	T.P.	
					↑ AT N 107	SIGHT N109
			43	2 8	4 #1 11° 26' ROCK TO 18" DIAM. AT Low	
			53	1 8	2 12 31 "	
			63	0 8	3 15 35 "	
			93	-2 2	4 20 53 "	
			107	-3 6	5 23 48 ?	
			116	-4 5	6 26 38 ?	
			140	-6 9	7 29 48	
			146	-7 5	8 32 53	
			160	8 9	9 36 28	
			197	5 15	T.P. 1X2 108 FT LEFT 1033+58.98	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 6-12-62
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2820 PG. 91

F.B. 2820 PG. 92 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chkd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

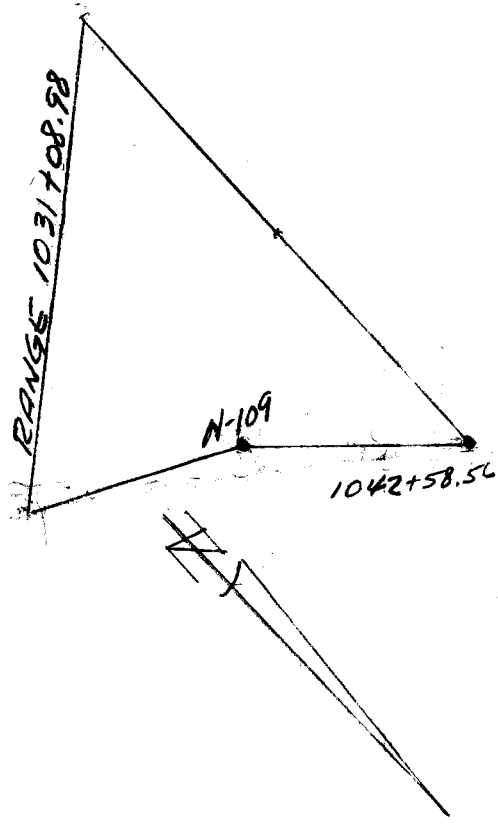
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1042+58	N-109	7:33	1	21	08			
			2	20	25			
			3	20	02			
			4	19	21			
			5	18	21			
			6	17	23			
			7	16	54			
			8	16	27			
			9	16	10			
			10	15	45			
			11	15	21			
			12	14	46			
			13	14	14			
			14	13	42			
			15	12	55			
			16	12	26			
			17	12	00			
			18	11	24			
			19	10	51			
			20	10	17			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 93

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-12-69

No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date [illegible]

76L298 307 Cdb 12-62

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Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

F. B. 2820 Pg. 94

Survey of SAME

Survey by

Indexed: G. J. GALLI

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	9	44			
			22	9	06			
			23	8	18			
			24	7	33			
			25	6	49			
			26	6	02			
			27	5	16			
			28	4	43			
			29	3	54			
			30	3	06			
			31	2	16			
			32	1	37			
			33	0	28			
			34	359	58			
			35	358	52			
		7:38	36	358	19			

76-L298 CE 307 3-61

9.34

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					Sta. 1033+58.98	
	Sight on N-109					90°00' Lt.
T.P.				8.96	T.P. Cont from Sta 1031+03.98	
T.P.				11.20	T.P. 1"x2" @ Sta. Sand,	
				10.7		60' Rt. Sand
				11.6	55' Lt. Brk	
				5.14	108' Lt. 1"x2" ~~Sand~~,	
T.B.M. #53				13.43	T.B.M. #53 El. 1343 FB 2190-124 Bt Spk in Pile @ SE. Cor. Wd Rec. Wall-Hy. #23518	
					⊼ AT N 107 SIGHT N 109	
	178	692		514	T.P. 108 LEFT 1x2	
			172	-103	~~4~~ 1 28° 10'	
			142	-73	2 25° 05	
		?	160	-91	3 22 09	
			134	-65	4 20 05	
			121	-52	5 17 11	
			94	-25	6 13 52	
			74	-05	7 10 24	
			59	10	8 8 44	
			42	27	9 7° 12'	
			23	46	108 FT LEF	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of Malibu Area - Hydrographic Survey
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 1-12-60
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2820 Pg. 95

F. B. 2820 Pg. 96 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 12-62

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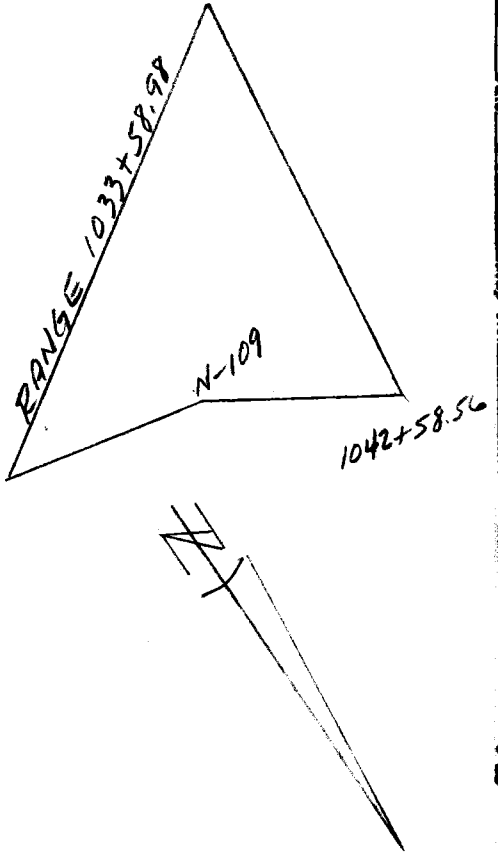
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1042+58	N-109	7:44	1	27	00			
			2	26	27			
			3	25	53			
			4	25	25			
			5	25	00			
			6	24	32			
			7	24	13			
			8	23	43			
			9	23	15			
			10	22	40			
			11	22	16			
			12	21	38			
			13	20	46			
			14	20	01			
			15	19	19			
			16	18	29			
			17	17	59			
			18	17	02			
			19	16	30			
			20	15	48			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 97
No. Date Date Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 6-12-69
No. Date Date Map No. Indexed [redacted] Date [redacted]

76L298 307 Cdb 12-62

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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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	15	05			
			22	14	20			
			23	13	15			
			24	12	39			
			25	11	59			
			26	11	10			
			27	10	37			
			28	9	35			
		7:48	29	8	29			

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

F. 2820 Pg. 98

Survey of SAME

Survey by

Indexed D. L. GALLI

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
				Sta. 1035+29.32 (N.109)		
	Sight on N-110				121°35' Lt	
T.B.M. #53				13.43	T.B.M. #53 (Cont)	
T.P.				11.38	T.P. 1"x2" @ Sta.	Sand
				12.3	42' Rt. Sand @ Wd. Wall	
	047	628		5.81	40' Lt. 1"x2" ~~Sand~~	
			13	50	40 " SAND	
			17	46	45 " " M.H.T	
					T AT 1031+08.98	SIGHT ON N 109
			41	22	~~4~~ #1 9° 16'	
			55	08	2 12 26	
			66	-03	3 16 00	
			74	-11	4 20 58	
			116	-53	5 29 04	
			128	-65	6 31 53	
			153	-90	7 36 19	
			170	-107	8 40 04	
			187	-124	9 42° 05'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 Pg. 99
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-12-69
Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F.B. 2820 PG. 100 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chkd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

Do not extend notes this side of this line.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

78-L298 CE 307 3-61

76L298 307 Cdb 12-62

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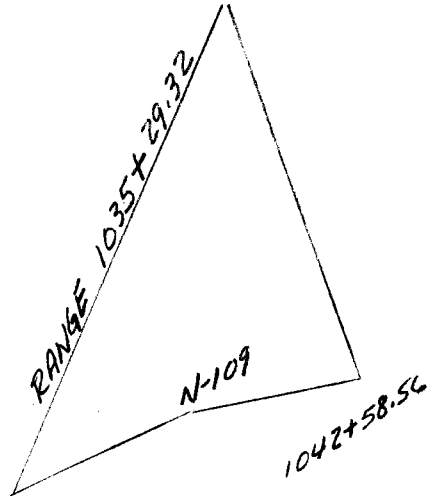
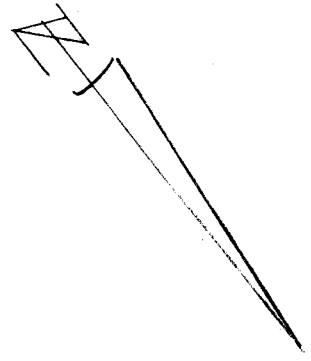
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1042+58	N-109	7:58	1	39	10			
			2	38	35			
			3	38	04			
			4	37	29			
			5	36	48			
			6	36	19			
			7	35	26			
			8	34	47			
			9	34	15			
			10	33	41			
			11	32	53			
			12	32	04			
			13	31	18			
			14	30	36			
			15	30	06			
			16	29	17			
			17	28	40			
			18	27	53			
			19	27	13			
			20	26	28			





Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 101
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C.L. CALL Date [redacted]

F. B. 2820 PG. 102

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

Survey of SAME Date _____ Date _____ No. _____

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

Indexed C. L. GALLI Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	25	25			
			22	24	47			
			23	23	55			
			24	23	16			
			25	22	09			
		8:02	26	21	15			

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
				Sta 1036+00.00		
		Sight on N-110			104°50' Lt.	
T.B.M. #53				13.43	T.B.M. #53 (Cont)	
T.P.				11.90	T.P. 1"x2" @ Sta.	Sand
				11.8	14' Rt.	Sand
				14.3	- 29' Rt. @ wd. wall	"
				11.8	15' Lt. Brk Sand	
				6.60	50' Lt 1"x2" ~~Sand~~	
TBM #53				13.43	TBM #53	
					T. 1031+08.98 SIGHT ON N109	
	-073	587		660		
			48	11	∡ #1 37°32'	ON ROCK OFFSHORE OF ROCK OVER
			173	-114	2 25°54'	OTHER PARTS OF ROCK 3 FT HIGHER
			112	-53	3 22°32'	
			103	-44	4 19°19'	
			86	-27	5 15°38'	
			76	-17	6 12°11'	
			63	-04	7 9°08'	
			62	-03	8 6 03	
			43	16	9 4 00	
			13	46	62 FT. LEFT M.H.T.	
			02	57	50 " " SAND	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes ASC Date 1-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date JUN 25 [illegible]

F.B. 2820 Pg. 103

F.B. 2820 PG. 104 | Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO

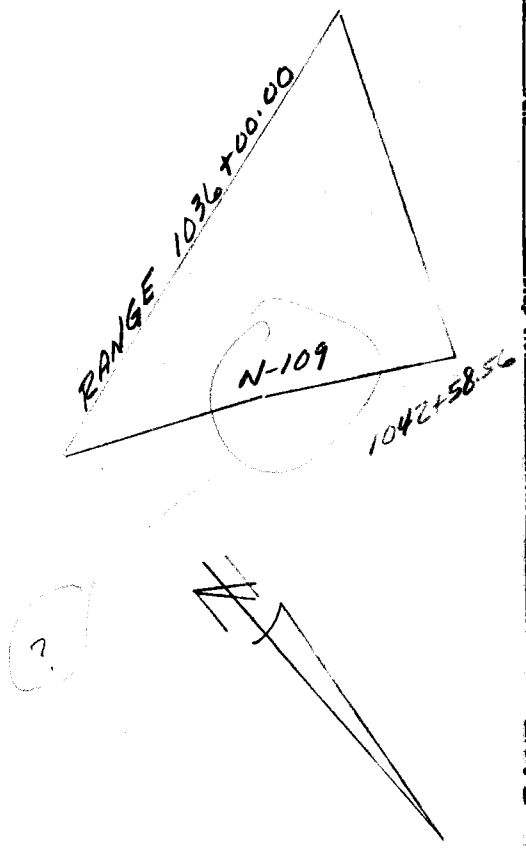
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
		8:08	1	53	37			
1042+58	N-109		2	52	50			
			3	52	09			
			4	51	40			
			5	51	06			
			6	50	45			
			7	50	05			
			8	49	23			
			9	48	27			
			10	47	05			
			11	46	23			
			12	45	03			
			13	44	24			
			14	43	31			
			15	42	31			
			16	41	24			
			17	39	48			
			18	38	35			
			19	37	18			
			20	35	57			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 E.B. 2820 Pg. 105

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-12-69

No. ____ Date ____ Date ____ Map No. ____ Indexed C.T. GALLI Date [illegible]

F. B. 2820 PG. 106 | Job No. | Division No. | Notes Red. | Plotted | Profile

Survey of SAME | Date | Date | No.

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

Indexed C.L. GALLI | Date | Date | Date | No.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
			21	34	40			
			22	33	30			
		8:12	23	32	28			

Do not extend notes this side of this line.

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.

761298 307 Gdb 12-62

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
			Sta 1038+58.63			
	Sight on N-110				104°50' Lt.	
TBM #53				13.43	T.B.M. #53 (Cont.)	
T.P.				13.25	T.P. 1"x2" @ Sta.	Sand
				14.9	18' Rt. @ House	Sand.
				12.3	30' Lt. Brk	Sand.
	0.04	7.02		6.98	80' Lt. 1"x2"	"
			24	46	97 FT LEFT M.H.T	
					⊼ AT 1036+00	SIGHT ON 110
			43	27	∡ #1 25° 48'	
			56	14	2 31 31	
			72	-02	3 20 10	
			90	-20	4 49 55	
			102	-32	5 56 46	
			118	-48	6 62 23	
			132	-62	7 66 41	
			143	-73	8 70 27	
			161	-91	9 73 43	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of Malibu Creek Hyd. Survey
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2820 Pg. 107

F.B. 2820 PG. 108

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

78-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO

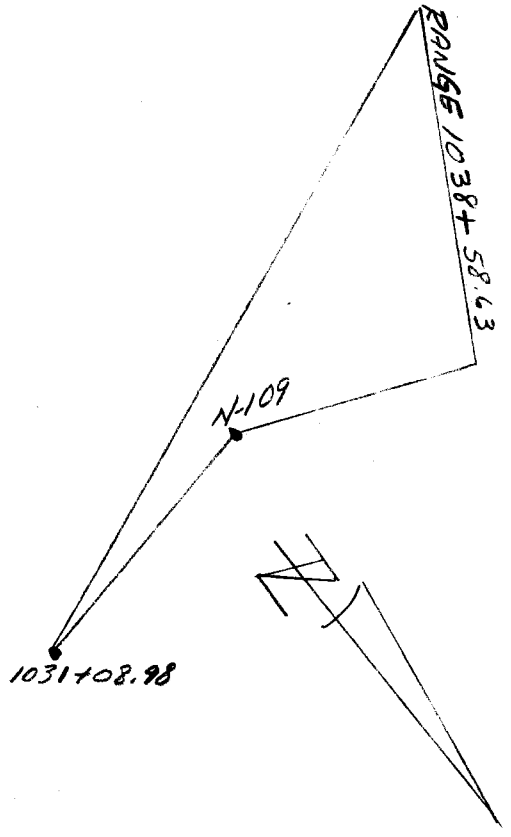
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1031+08	N-109	8:42	1	320	11	39	49	
			2	321	01	38	59	
			3	321	50	38	10	
			4	322	25	37	35	
			5	323	10	36	50	
			6	323	45	36	15	
			7	324	22	35	38	
			8	325	04	34	56	
			9	325	40	34	20	
			10	326	27	33	33	
			11	327	06	32	54	
			12	328	01	31	59	
			13	329	09	30	51	
			14	330	25	29	35	
			15	321	29	28	31	
			16	332	10	27	50	
			17	333	10	26	50	
			18	334	17	25	43	
			19	335	19	24	41	
			20	336	25	23	35	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 109

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-12-69

No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date [illegible]

76L298 307 Cdb 12-62

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.

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Notes Date

Job No. Notes Date

F. B. 2820 Pg. 110

Survey of SAME

Survey by

Indexed O.L. GALLI

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	337	45	22	15	
			22	338	46	21	46	
			23	339	25	20	35	
			24	340	24	19	36	
			25	340	51	19	09	
			26	342	18	17	42	
			27	343	38	16	22	
			28	344	45	15	15	
			29	346	31	14	29	
			30	348	17	11	43	
			31	350	00	10	00	
			32	352	01	7	59	
			33	353	00	7	00	
			34	355	03	4	57	
			35	356	07	3	53	
			36	357	27	2	33	
		8:46	37	359	00	1	00	

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
			Sta. 1041+17.26			
	Sight on N-110				104°50' Lt.	
T.P.				13.25	T.P. Cont. from Sta. 1038+58.63	
T.P.				14.32	T.P. 1"x2" @ Sta Sand	
				14.6	20' Rt. Sand @ House	
				12.3	40' Lt. Brk Sand	
				6.65	85' Lt. 1"x2" "	
T.B.M. #54				15.81	T.B.M. #54 El. 15.81 F.B. 3790-125 Bt. spk. in Pile ± 5' So. of S.E. Cor. Ho. with Pool.	
					⊼ AT 1036+00	SIGHT ON 110
	0 16	6 81		6 65	T.P. 1x2, 85 FT LEFT	
			161	-93	Δ #1 51° 04'	
			159	-91	2 47 18	
			138	-70	3 42 32	
			116	-48	4 38 11	
			105	-37	5 32 19	
			98	-30	6 27 21	
			66	02	7 21 03	
			55	13	8 16 57	
			46	22	9 14° 00'	
			22	46	100 FT LEFT M.H.T	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2870 Pg. 111
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F.B. 2820 PG. 112

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

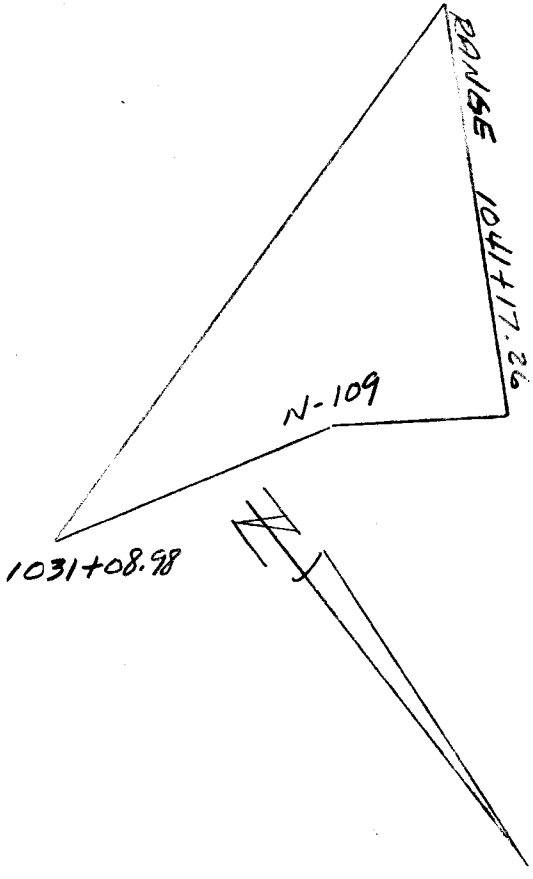
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1031+08	N-109	8:55	1	329	00	31		
			2	330	25	29	35	
			3	331	16	28	44	
			4	332	23	27	37	
			5	333	28	26	32	
			6	334	22	25	38	
			7	335	20	24	40	
			8	336	32	23	28	
			9	337	36	22	24	
			10	338	59	21	01	
			11	340	33	19	27	
			12	342	02	17	58	
			13	343	35	16	25	
			14	345	02	14	58	
			15	346	38	13	22	
			16	347	51	12	09	
			17	349	15	10	45	
			18	350	55	9	05	
			19	352	37	7	23	
			20	354	14	5	46	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 113
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C.L. GALLI Date [illegible]

76L298 307 Cdb 12-62

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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	355	35			
			22	356	53			
			23	358	34			
			24	00	22			
			25	01	53			
		8:59	26	03	36			

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

F. B. 2820 Pg. 114

Survey of SAME

Survey by

Indexed D.L. GALLI

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
			STA. 1043+75.89			
	Sight on N-110				104°50' Lt.	
T.B.M. #54				15.81	T.B.M. #54 (cont.)	
T.P.				14.30	T.P. 1"x2" @ STA.	Sand
				15.8	20' Lt. @ House	"
				10.8	50' Rt.	Brk. Sand,
	033	650		6.17	81' Rt.	1"x2" Sand
			19	46	99 FT LEFT M.H.T.	
					⊼ AT 1036+00	SIGHT ON N110
			44	21	4 #1 8° 41'	
			52	13	2 10 44	
			66	-01	3 13 28	
			97	-32	4 17 49	
			108	-43	5 22 17	
			121	-56	6 26 58	
			138	-73	7 30 57	
			155	-90	8 34 33	
			162	-97	9 36° 30	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. ____ Division No. 11 Survey of Malibu Area - Hyd. Survey
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by [illegible] Notes [illegible] Date 1-12-69
Map No. ____ Indexed [illegible] Date [illegible]

F.B. 2820 Pg. 115

F.B. 2820 Pg. 116 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO
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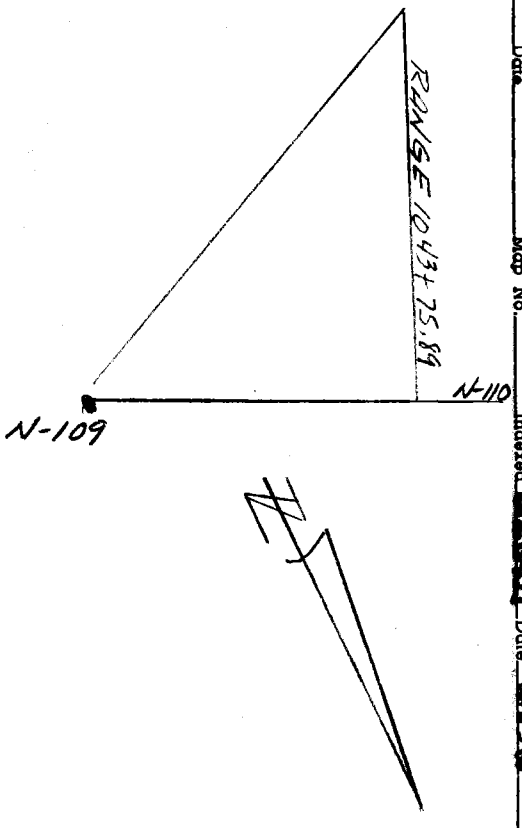
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-109	N-110	9:16	1	283	49	76	11	
			2	284	37	75	23	
			3	285	35	74	25	
			4	286	25	73	35	
			5	287	49	72	11	
			6	288	52	71	08	
			7	290	36	69	24	
			8	291	36	68	24	
			9	292	40	67	20	
			10	293	54	66	06	
			11	295	21	64	39	
			12	296	57	63	03	
			13	298	18	61	42	
			14	299	20	60	40	
			15	301	45	58	15	
			16	303	05	56	55	
			17	305	09	54	51	
			18	307	00	53	00	
			19	309	00	51	00	
			20	311	00	49	00	



Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 F. Bk. 2820 Pg. 117
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of MALIBU HYDRO. SURVEY
Survey by RICHARDS Notes J.G. Date 6-12-69
Map No. ____ Indexed [illegible] Date [illegible]

76L298,307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	313	05	46	55	
			22	315	11	44	49	
			23	317	15	42	45	
			24	319	15	40	45	
			25	321	17	38	43	
			26	323	40	36	20	
			27	325	20	34	40	
			28	327	35	32	25	
			29	329	53	30	07	
			30	331	41	28	19	
			31	334	20	25	40	
			32	335	45	24	15	
			33	337	30	22	30	
		9:21	34	339	40	20	20	

F. B. 2820 PG. 118

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

Survey of SAME Date ____ Date ____ No. ____

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

Indexed C. LOALLI Date ____ Date ____ No. ____

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
			STA. 1046+34.52,			
		SIGHT	on N-110		104°50' Lt.	
T.P.				14.30	T.P. Cont. from STA. 1043+75.89	
T.P.				13.12	T.P. 1"x2" @ STA. Sand,	
				16.0	21' Rt. @ House Sand	
				10.1	45 Lt. BRK. Sand	
	-0 08	7 06		6.98	61' Lt. 1"x2" "	
					⊼ AT 1036+00 SIGHT ON N 110	
			180	-10 9	∡ #1 30° 31'	
			161	-9 0	2 27 10	
			155	-8 4	3 23 09	
			142	-7 1	4 19 36	
			123	-5 2	5 16 32	
			92	-2 1	6 12 24	
			73	-0 2	7 9 55	
			59	1 2	8 8 00	
			44	2 7	9 5 35	
			25	4 6	82 FT LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300 ... Division No. 11 F.B. 2820 Pg. 119
No. ____ Date ____ Date ____ Survey of Malibu Creek-Hyd. Survey
X-Sec. Notes Chkd. ____ Checked ____ Survey by Curtis Notes H.S. Date 6-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F. B. 2820 Pg. 120 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L295 CE 307 3-61

76L298 307 Cdb 12-62

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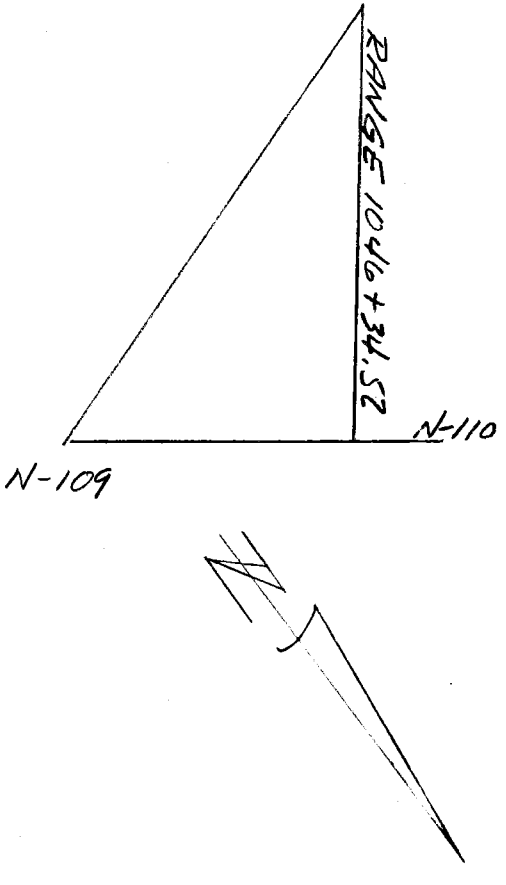
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-109	N-110	9:27	1	287	08	72	52	
			2	287	55	72	05	
			3	289	05	70	55	
			4	290	09	69	51	
			5	291	04	68	56	
			6	292	10	67	50	
			7	293	19	66	41	
			8	294	49	65	11	
			9	296	00	64	00	
			10	297	25	62	35	
			11	298	41	61	19	
			12	300	11	59	49	
			13	301	50	58	10	
			14	303	35	56	25	
			15	305	21	54	39	
			16	307	05	52	55	
			17	308	58	51	02	
			18	310	40	49	20	
			19	312	52	47	08	
			20	315	10	44	50	



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2820 PG. 121
No. Date Date Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. Checked Survey by R. CHORDI Notes J.G. Date 6-12-69
No. Date Date Map No. Indexed [redacted] Date [redacted]

76L298.307 Cdb 12-62

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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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	316	57	43	03	
			22	319	19	40	41	
			23	321	42	38	18	
			24	324	05	35	55	
			25	326	05	33	55	
			26	328	04	31	56	
			27	329	56	30	04	
			28	331	49	28	11	
			29	333	55	26	05	
			30	335	30	24	30	
			31	338	00	22	00	
			32	339	32	20	28	
			33	341	43	18	17	
			34	343	08	16	52	
			35	345	08	14	52	
			36	346	50	13	10	
		9:32	37	348	09	11	51	

F. B. 2820 PG. 122

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

Survey of SAME Date ____ No. ____

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

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

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
			Sta	1048	+ 93.15	
	Sight on N-110				104° 50' Lt.	
T.P.				13.12	T.P. Cont. from Sta. 1046+34.52	
T.P.				12.81	T.P. 1"x2" @ Sta.	Sand
				13.9	9' Rt. @ House	sand
				9.6	38' Lt. Brk. Sand	
				5.73	67' Lt. 1"x2" "	
T.B.M. #55				15.74	T.B.M. #55 El. 15.74 F.B. 3790-125 Chis □ in S.W. Cor. Brick Patio in Conc Ftg. Ho. #77-1st Ho. West of Ho. with Conc. Roof.	
					⊼ AT 1046+34.52 SIGHT ON N 110	
	115	688 9		573	T.P. 1x2 67 FT LEFT	
			23	46	76 FT LEFT M.H.T.	
			44	25	∡ #1 22° 06'	
			56	13	2 29 48	
			64	05	3 34 30	
			77	-08	4 39 59	
			92	-23	5 46 31	
			108	-39	6 52 06	
			140	-71	7 61 02	
			161	-92	8 65 53	
			178	-109	9 69 32	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0500.02 Division No. 11 F.B. 2820 Pg. 123
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Mica - Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-12-69
Date ____ Date ____ Map No. ____ Indexed E.D. GALLI Date [illegible]

F.B. 2820 Pg. 124 | Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 Los Angeles County Engineering Bldg.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO
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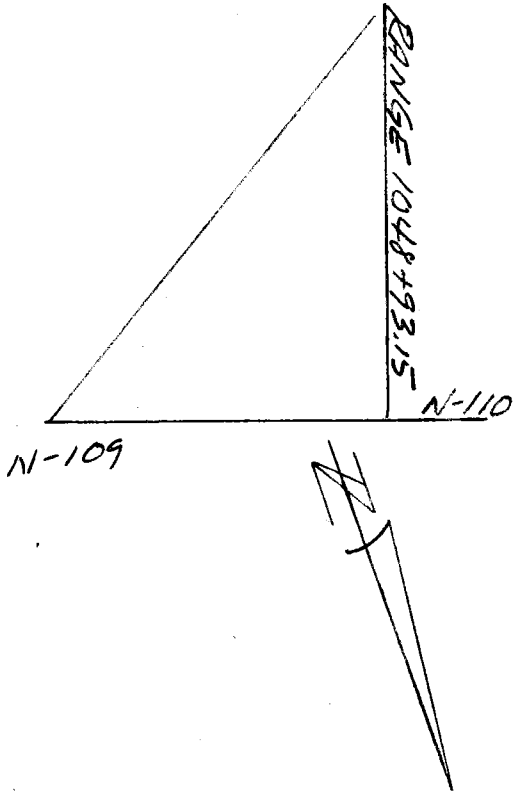
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-109	N-110	9:50	1	294	40	65	20	
			2	296	02	63	58	
			3	297	08	62	52	
			4	299	08	60	52	
			5	300	29	59	31	
			6	301	43	58	17	
			7	303	00	56	00	
			8	304	17	55	43	
			9	305	08	54	52	
			10	307	41	52	19	
			11	309	18	50	42	
			12	311	01	48	59	
			13	313	02	46	58	
			14	314	36	45	24	
			15	316	33	43	27	
			16	318	36	41	24	
			17	320	10	39	50	
			18	321	52	38	08	
			19	323	35	36	25	
			20	325	23	34	37	



Profile Notes Red. ____ Plotted ____ Job No. 03300.02 Division No. 11 F. B. 2870 Pg. 75
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C.L.CALL Date [redacted]

76L298.307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	327	25	32	35	
			22	329	12	30	48	
			23	331	15	28	45	
			24	333	08	26	52	
			25	335	35	24	25	
			26	337	48	22	12	
			27	339	24	20	36	
			28	341	05	18	55	
			29	342	45	17	15	
			30	344	47	15	43	
			31	346	21	13	39	
			32	348	02	11	58	
		9:55	33	349	01	10	59	

F. B. 2820 PG. 126

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

Survey of SAME Date ____ Date ____ No. ____

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

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

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. N-110 1053+27.65

STATION	B.S.	H.I.	F.S.	ELEV.		
			Sta. 1051+51.78			
	Sight on N-110				104° 50' Lt	
T.B.M. #55				15.74	T.B.M. #55 (Cont)	
T.P.				12.56	T.P. 1"x2" @ Sta.	Sand
				14.9	9' Rt.	@ House Sand
				9.3	36' Lt. Brk. Sand	
	031	700		6.69	57' Lt. 1"x2" Sand	
					⊼ AT 1046+34.52	SIGHT ON N-8
			184	-114	∡ #1 48° 30'	
			173	-103	2 42 45	
			152	-82	3 37 00	
			124	-54	4 33 27	
			110	-40	5 29 14	
			83	-13	6 22 52	
			63	07	7 17 36	
			53	17	8 13 15	
			45	25	9 11 19	
			24	46	76 FT. LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 927
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
Notes Chkd. ____ Checked ____ Survey by CURTIS Notes ASC. Date 6-12-69
Date ____ Date ____ Map No. ____ Indexed [redacted] Date [redacted]

F. B. 2820 Pg. 128 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO
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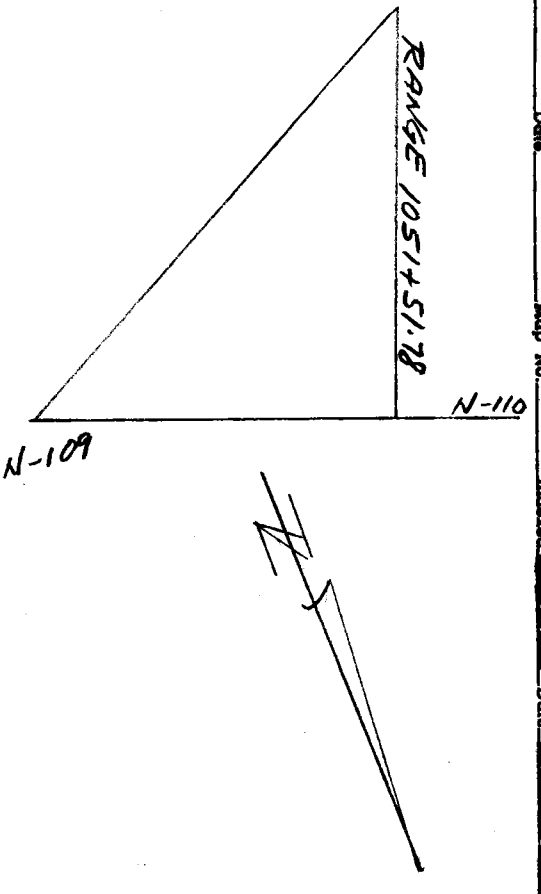
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-109	N-110	10:03	1	298	12			
			2	299	34			
			3	300	49			
			4	302	05	57	55	
			5	303	24	56	36	
			6	305	01	54	59	
			7	306	41	53	19	
			8	308	15	51	45	
			9	309	47	50	13	
			10	311	12	48	48	
			11	313	00	47	00	
			12	314	25	45	35	
			13	316	08	43	42	
			14	317	34	42	26	
			15	319	02	40	58	
			16	320	59	39	01	
			17	322	49	37	11	
			18	324	48	35	12	
			19	327	11	32	49	
			20	328	59	31	01	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 129
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed D.D. GALLI Date [illegible]

76L298.307 Cdb 12-62

PLEASE RETURN TO

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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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	331	11	28	49	
			22	333	07	26	53	
			23	335	15	24	45	
			24	337	16	22	44	
			25	339	00	20	00	
			26	340	55	19	05	
			27	342	21	17	39	
			28	344	38	15	22	
			29	346	14	13	46	
			30	348	00	12		
			31	348	45	11	15	
		10:09	32	350	39	9	21	

F. B. 2820 Pg. 130

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

Survey of SAME Date ____ Date ____ No. ____

Survey by C.T. GALL Notes ____ Notes Chkd. ____ Checked ____ X-Sec.

Indexed ____ Date ____ Date ____ Date ____ No. ____

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
				Sta 1054+09.08		
	Sight on N-111				100° 47' Lt.	
T.P.				12.56	T.P. Cont. from Sta. 1051+51,78	
T.P.				12.91	T.P. 1"x2" @ Sta.	Sand.
				15.1	12' Rt. @ Ho.	Sand
				9.2	30' Lt. Brk "	
				6.97	57' Lt. 1"x2" sand	
T.B. M.#56				14.66	T.B.M. #56 El. 14.66 F.B. 3790-126 PK. in B.T. Stop S.E. Cor. of yard to Ho. #61. yellow Shingle House	
					⊼ 1046+34.52	SIGHT ON N 110
	0 13	7 10		6 97	T.P. N2 57 FT LEFT	
		4 6	25	46	71 FT LEFT M.H.T.	
			45	26	4 #1 8° 16'	
			54	17	2 10 23	
			65	06	3 12 56	
			85	-14	4 16 20	
			96	-25	5 19 31	
			119	-48	6 23 09	
			158	-87	7 27 30	
			178	-107	8 30° 32'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 131
Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Curtis Notes ASC. Date 6-12-69
Date ____ Date ____ Map No. ____ Indexed [redacted] Date [redacted]

F.B. 2820 PG. 132

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

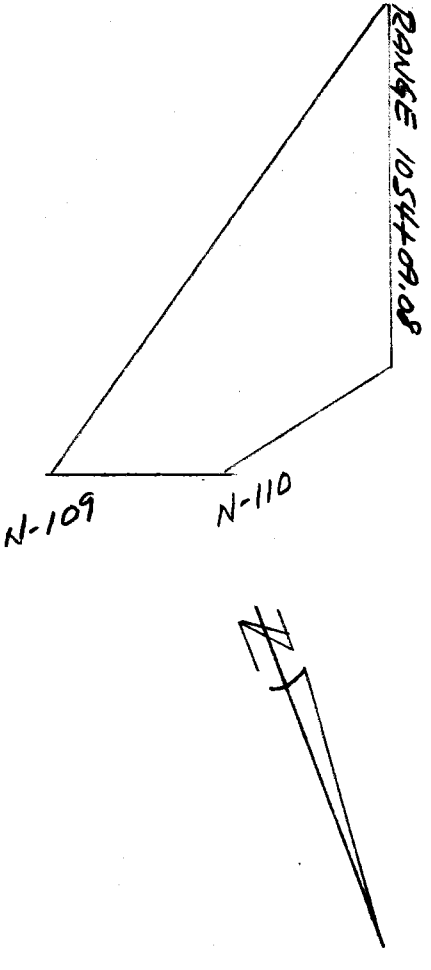
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-109	N-110	10:18	1	302	09	57	51	
			2	303	20	56	40	
			3	304	41	55	19	
			4	306	04	53	56	
			5	307	36	52	24	
			6	309	21	50	39	
			7	311	17	48	43	
			8	313	00	47	00	
			9	315	01	44	59	
			10	316	30	43	30	
			11	318	26	41	34	
			12	320	25	39	35	
			13	322	25	37	35	
			14	324	25	35	35	
			15	326	55	33	05	
			16	328	57	31	03	
			17	331	41	28	19	
			18	333	44	26	16	
			19	336	09	23	51	
			20	337	48	22	12	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 133
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

76L298 307 Cdb 12-62

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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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	339	40	20	20	
			22	341	31	18	29	
			23	343	06	16	54	
			24	344	14	15	46	
			25	345	16	14	44	
			26	346	24	13	36	
			27	347	34	12	26	
			28	348	34	11	26	
			29	349	19	10	41	
			30	350	00	10	00	
			31	350	54	9	06	
			32	351	57	8	03	
		10:23	33	352	33	7	27	

F. B. 2820 PG. 134

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

Survey of SAME Date ____ Date ____ No. ____

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

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

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0700.02 Tape — Std — °F
Office Work	Surveyed by RICHARDS
Checked	Notes HARRIET Date 6-12-69
Date	Indexed C.J. GALLI JUN 3 5 '69

F. B. 2820 PG. 135

TIDE GAGE READINGS
JUNE 12, 1969
TIME – P.S.T.
DATUM – M.L.L.W.

TIME	TIDE
6:00	2.1
6:30	2.5
7:00	2.9
7:30	3.1
8:00	3.2
8:30	3.3
9:00	3.2
9:30	3.2
10:00	3.0
10:30	2.8
11:00	2.6
11:30	2.4
12:00	2.3
12:30	2.2
1:00	2.2
1:30	2.1
2:00	2.4

NOTE – TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

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

Do not extend this side of this line.

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

16F309S CE#310 3-68

F. B 2820 PG 136

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 5-66

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			Sta	1056 + 63.57		
Sight on N-111					100° 47' Lt.	
T.B.M. #56				14.66	T.B.M #56 (cont.)	
T.P.				11.40	T.P. 1"x2" @ Sta.	Sand
				14.8	30' Rt.	Sand @ House
				9.5	20' Lt. Sand	
	0 04	655 6		6.51	50' Lt. 1"x2" "	
					⊼ AT 1046 + 34.52 SIGHT ON N 110	
			167	-101	∡ #1 22° 32'	
			138	-72	2 20 18	
			114	-48	3 17 44	
			97	-31	4 15 21	
			81	-15	5 12 47	
			65	01	6 10 43	
			54	12	7 9 03	
			45	21	8 6 57	
			20	46	70 FT LEFT M.N.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 137
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-12-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date JUN 25 '69

F. B. 2820 PG. 138 Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chk'd. 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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 5-66

76L298 307· Cdb 12-62

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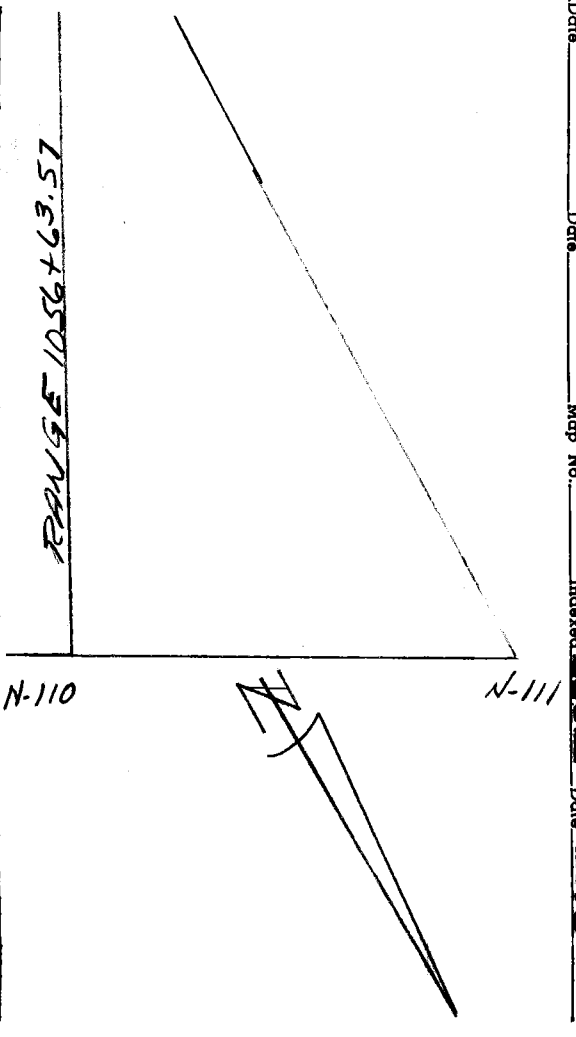
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-111	N-110	7:20	1	56	34			
			2	56	18			
			3	55	27			
			4	54	40			
			5	54	12			
			6	53	22			
			7	52	28			
			8	51	29			
			9	50	42			
			10	49	43			
			11	48	10			
			12	47	00			
			13	45	39			
			14	44	09			
			15	43	11			
			16	41	36			
			17	39	52			
			18	38	20			
			19	37	00			
			20	35	05			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 139
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes T.G. Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [redacted] Date [redacted]

76L298 307 Cdb 12-62

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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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	33	08			
			22	30	52			
			23	28	49			
			24	27	09			
			25	25	17			
			26	23	35			
			27	22	09			
			28	20	42			
			29	19	18			
			30	18	08			
			31	17	17			
			32	15	47			
			33	14	57			
			34	13	35			
		7:25	35	12	23			

F. B. 2820 PG. 140

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

Survey of SAME Date ____ Date ____ No. ____

Survey by C. L. GALLI Notes ____ Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed ____ Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 5-66

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			Sta	1059 + 18.06		
	Sight on N-111			11.40	T.P. (Cont)	100° 47' Lt.
T.P.				11.22	T.P. 1"x2" @ Sta. Sand.	
				11.9	22 Rt. Sand	
				15.5	44' Rt. @ House Sand	
	-012	674		6.86	44' Lt. 1"x2" Sand.	
			21	46	65 FT LEFT M.H.T	
					π AT 1054 + 09.08	SIGHT ON N 111
			49	18	4 #1	12° 37'
			65	02	2	17 34
			84	-17	3	22 27
			99	-32	4	26 58
			121	-54	5	31 56
			138	-71	6	35 09

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300,02 Division No. 11 F.B. 2820 Pg. 141
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC. Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date JUN 25 '69

F. B. 2820 PG. 142 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 5.66

76L298 307 Cdb 12-62

PLEASE RETURN TO

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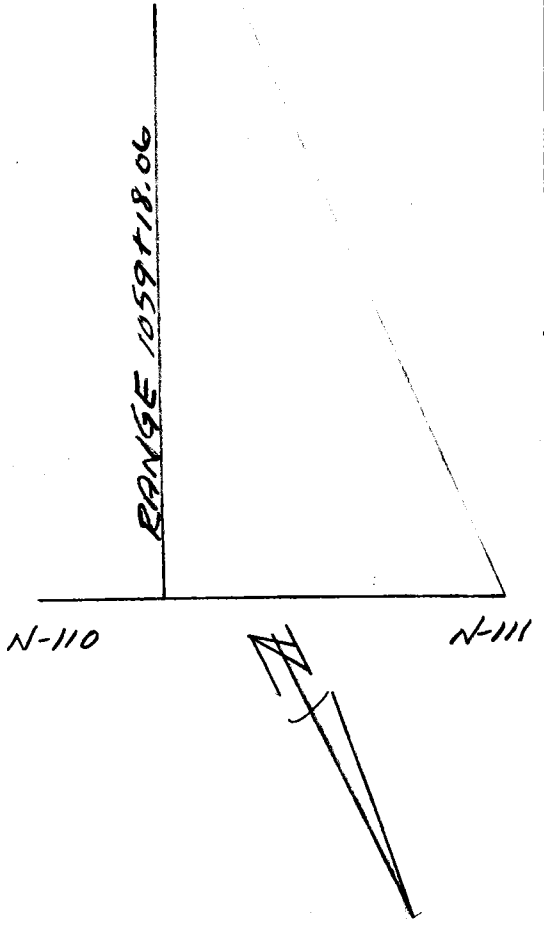
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-111	N-110	7:40	1	62	50			
			2	62	20			
			3	61	50			
			4	61	09			
			5	60	40			
			6	59	52			
			7	58	47			
			8	57	45			
			9	56	44			
			10	55	52			
			11	54	48			
			12	53	12			
			13	51	37			
			14	49	58			
			15	48	10			
			16	46	16			
			17	43	57			
			18	41	31			
			19	39	29			
			20	36	41			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 820 Pg. 43

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-13-69

No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F. B. 2820 PG. 144 Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	34	20			
			22	31	45			
			23	29	29			
			24	27	09			
			25	25	30			
			26	23	44			
			27	22	27			
			28	20	30			
			29	18	34			
			30	17	45			
		7:46	31	16	03			

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			Sta. 1061 + 72.55			
	Sight on N-111			(11.22	T.P. Cont)	100°47' Lt.
T.P.				10.53	T.P. 1"x2" @ Sta. Sand	
				11.9	22' Rt.	Sand
				14.6	44' Rt @ House	"
				8.4	34' Lt. Sand	
				5.97	60' Lt. 1"x2" "	
T.B.M. #57				14.77	T.B.M. #57 El. 14.77 F.B. 3790-127 Bt. Spk in Top 4'x8' Post 15 high @ SE Cor. No# 31 White House - Blue Roof	
	0 34	7 20		6 86	T.P. N2 44 FT. LEFT, FROM STA. 1059+18.06	
					⊼ AT 1054+09.08 SIGHT ON N111	
			134	- 62	⊼ #1 22° 52'	
			116	- 44	2 20 17	
			96	- 24	3 16 28	
			77	- 05	4 12 44	
			66	06	5 10 04	
			49	23	6 8 09	
			26	46	72 FT LEFT	
			162	558	T.P. CONT. TO STA. 1064+27.04	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 145
No. ____ Date ____ Date ____ Survey of Malibu Area-Hyd Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC. Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed R.T. GALLI Date JUN 25 '69

F. B. 2820 PG. 146 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ 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.

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

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

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.

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Notes

Job No. Notes Date

F. B. 2820 PG. 148

Survey of SAME

Survey by R. L. GALLI

Indexed

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	26	23			
			22	24	17			
			23	23	21			
			24	21	48			
			25	20	29			
			26	19	16			
			27	18	00			
			28	16	44			
		8:06	29	15	47			

76L298 307 Cdb 12-62

PLEASE RETURN TO

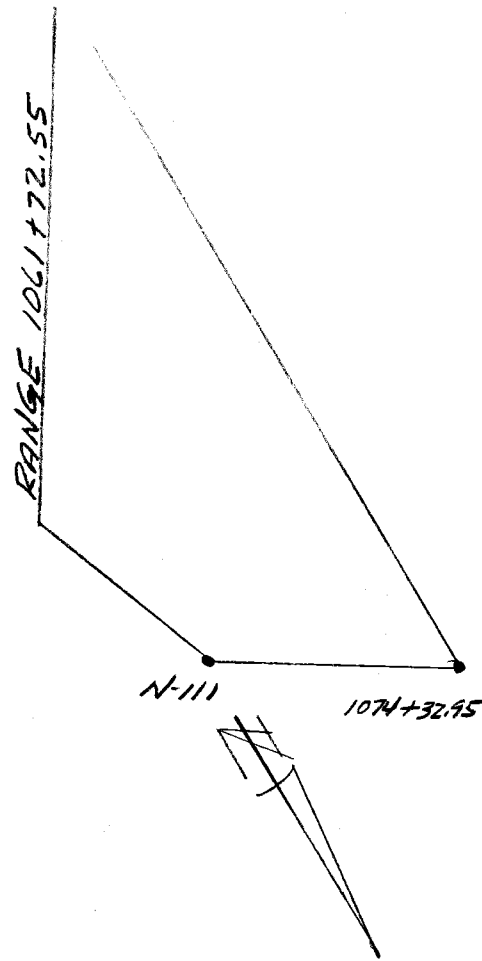
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1074+32	N-111	8:00	1	64	19			
			2	63	27			
			3	62	35			
			4	61	29			
			5	60	06			
			6	58	35			
			7	57	23			
			8	56	00			
			9	54	14			
			10	52	34			
			11	51	03			
			12	49	02			
			13	46	37			
			14	44	25			
			15	42	05			
			16	39	48			
			17	36	43			
			18	33	41			
			19	30	45			
			20	28	28			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 147

X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-13-69

Date ____ Date ____ Map No. ____ Indexed E. L. GALLI Date [illegible]

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line. N-111 1066+18.70

STATION	B. S.	H. I.	F. S.	ELEV.		
			Sta	1064+27.04		
Sight on N-111					100° 47' Lt.	
T.B.M. #57				14.77	T.B.M. #57 (cont)	
T.P.				11.56	T.P. 1"x2" @ Sta Sand	
				13.3	22' Rt. @ House Sand	
				8.7	56' Lt. Brk. Sand	
				5.97	80' Lt. 1"x2" "	
T.B.M. #58				16.07	T.B.M. #58 El. 1607 FB 3790-127 Pk in Top Point △ To patio & Glassed in Room (N-111)	
	1 20	6 78 (13, 8)		5 58	T.P. CONT FROM STA 1061+72.55	
			22	46	94 FT LEFT M.H.T.	
			49	19	∡ #1 7° 37'	AT 1054+09.08 SIGHT ON N 111
			67	01	2 9 54	
			78	-10	3 11 49	
			102	-34	4 14 40	
			116	-45	5 16 46	
			137	-69	6 19 17	
			159	-91	7 20 55	
			(+040	718)	1x2 T.P 90' LEFT STA 1066+80.61 ELEV. 7..	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 149
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date JUN 25 '69

F. B. 2820 PG. 150 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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

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

76-L.298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

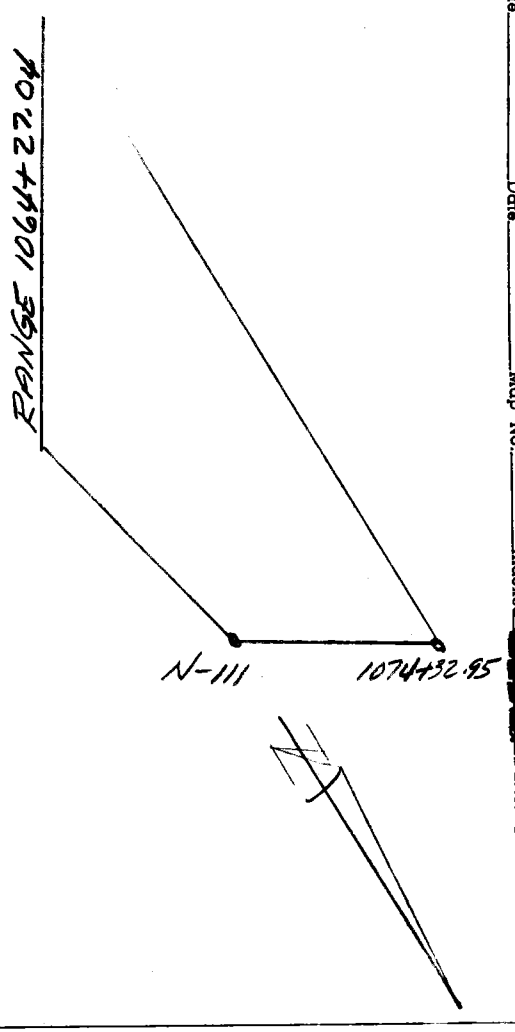
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1074+32	N-111	8:12	1	71	13			
			2	70	16			
			3	69	18			
			4	68	24			
			5	67	30			
			6	66	28			
			7	65	33			
			8	64	36			
			9	63	16			
			10	61	39			
			11	59	42			
			12	57	06			
			13	54	48			
			14	52	13			
			15	50	11			
			16	47	39			
			17	44	53			
			18	41	23			
			19	38	36			
			20	36	15			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 151

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [redacted] Notes [redacted] Date [redacted]

No. ____ Date ____ Date ____ Map No. ____ Indexed [redacted] Date [redacted]

F. B. 2820 PG. 152 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of SAME Date _____ Date _____ No. _____

Survey by C. J. GALLI Notes _____ Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	33	45			
			22	31	14			
			23	28	45			
			24	26	57			
			25	24	38			
			26	23	12			
			27	21	44			
			28	20	13			
			29	19	14			
		8:18	30	17	27			

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				Sta 1066+80.61		
		Sight on N-112			85°28' Lt.	
T.B.M. #58				16.07	T.B.M. #58 El. 16.07 FB-3790-127 PK in top point Δ @ So. Side Patio & Glassed in Room - @ N-111	
T.P.				12.48	TP. 1"x2" @ Sta. Sand.	
				14.1	30' Rt. @ House Sand	
				11.2	56' Lt. Brk. Sand	
	-041	672		7.13	90' Lt. 1"x2" "	
					⊼ 1054+09.08	SIGHT N111
			152	-85	4# 1 17° 34'	
			120	-53	2 15 08	
			95	-28	3 12 32	
			78	-11	4 10 36	
			73	-06	5 8 59	
			50	17	6 7 31	
			21	46	97 FT LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 153
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] GALLI Date JUN 25 69

F. B. 2820 PG. 154 Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chk'd. Checked X-Sec.

Indexed Date Date Date No.

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

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

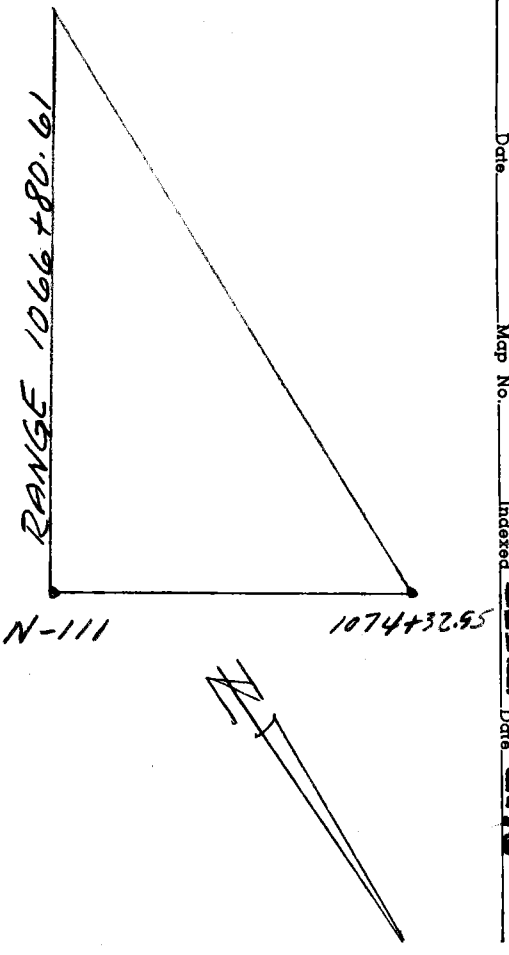
76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1074+32	N-111	8:24	1	76	37			
			2	75	40			
			3	74	30			
			4	73	32			
			5	72	24			
			6	71	06			
			7	69	45			
			8	68	30			
			9	67	10			
			10	65	54			
			11	64	28			
			12	62	27			
			13	60	22			
			14	58	02			
			15	55	31			
			16	53	05			
			17	50	50			
			18	48	45			
			19	46	25			
			20	43	24			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 155
No. Date Date Survey of MALIBU HYDRO. SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 6-13-69
No. Date Date Map No. Indexed C. L. GALLI Date [redacted]

76L298 307 Cdb 12-62

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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	40	05			
			22	37	10			
			23	34	02			
			24	31	41			
			25	29	52			
			26	27	48			
			27	26	43			
			28	24	51			
			29	23	30			
			30	22	01			
			31	20	35			
		8:30	32	18	58			

Profile No. ____ X-Sec. No. ____

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Division No. ____ Job No. ____ Notes ____ Date ____

Survey of SAME

Survey by D. J. GALLI

Indexed

F. B. 2820 Pg. 156

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				Sta 1069+31.39		
	Sight on N-112				85°28' Lt.	
T.P.				12.48	T.P. Cont. from Sta 1066+80.61	
T.P.				12.07	T.P. 1"x2" @ Sta. Sand.	
				14.0	68' Rt. @ House	
				11.0	38' Lt. BBK. Sand	
	-012	729 3		7.41	70' Lt. 1"x2" Sand	
					⊼ AT N111 SIGHT N112	
			27	46 92	FT LEFT M.H.T.	
			44	29	+ 1 19° 15'	
			57	16	2 22 10	
			72	01	3 26 54	
			90	-17	4 32 13	
			105	-32	5 36 30	
			119	-46	6 39 46	
			140	-67	7 43 35	
			169	-96	8 46 40	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 157
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC. Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed D.J. GALLI Date [illegible]

F. B. 2820 PG. 158 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

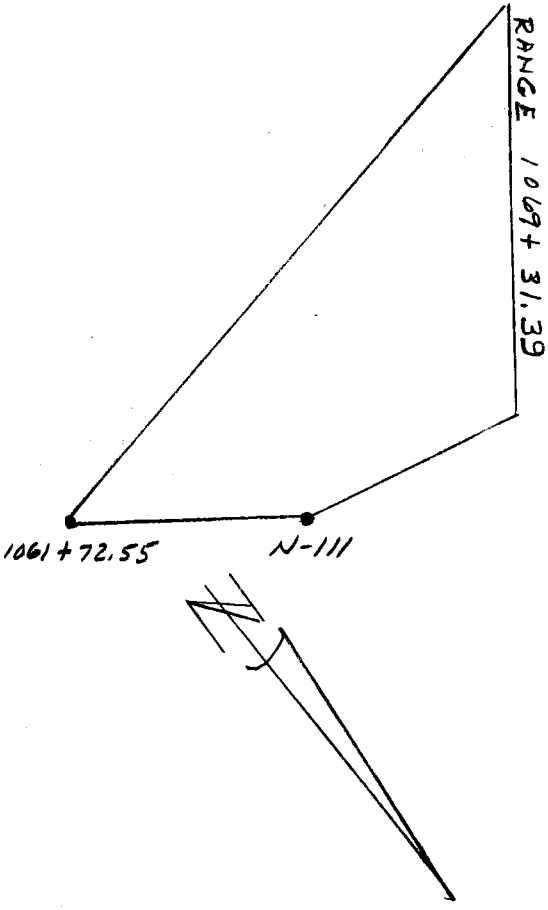
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1061+72	N-111	8:52	1	279	31	80	29	
			2	280	05	79	55	
			3	280	41	79	19	
			4	281	55	78	05	
			5	283	05	76	55	
			6	284	06	75	54	
			7	285	03	74	57	
			8	286	18	73	42	
			9	287	54	72	06	
			10	289	25	70	35	
			11	291	03	68	57	
			12	293	19	66	41	
			13	295	18	64	42	
			14	297	04	62	56	
			15	299	35	60	25	
			16	302	05	57	55	
			17	305	32	54	28	
			18	308	08	51	52	
			19	311	26	48	34	
			20	314	39	45	21	



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2830 Pg. 159

No. Date Date Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 6-13-69

No. Date Date Map No. Indexed [redacted] Date [redacted]

76L298 307 Cdb 12-62

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	317	38	42	22	
			22	320	49	39	11	
			23	323	26	36	34	
			24	325	20	34	40	
			25	327	29	32	31	
			26	329	09	30	51	
			27	330	14	29	46	
			28	332	07	27	53	
			29	333	11	26	49	
			30	334	45	25	15	
		8:57	31	335	59	24	01	

Profile No. ____ X-Sec. No. ____

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Division No. ____ Job No. ____ Notes ____ Date ____

F. B. 2820 Pg. 160

Survey of SAMPLE

Survey by ____

Indexed C. J. GALLI

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					Sta 1071+82.17	
		Sight on N-112			85°28' Lt.	
T.P.				12.07	T.P. Cont. from Sta. N-69+31.89	
T.P.				12.31	T.P. 1"x2" @ Sta. Sand	
				12.1	43' Rt. Sand	
				13.1	95' Rt. @ House Sand	
				12.1	50' Lt. Brk.	
				6.99	82' Lt. 1"x2" Sand	
T.B. M#59				13.71	T.B.M.#59 El. 13.71 F.B. 3790-127 Bt. Spk. in 4"x6"x7' Bad mitten Post - 10' So. of yard Ho.# 238 50 - 2 Story Stucco - Red Roof	
					⊼ AT N 111	SIGHT N 112
	-026	7 25 2		6 99	T.P. 1x2 82 FT LEFT	
			164	-82	∡ #1 32° 34'	
			131	-59	2 28 27	
			103	-31	3 24 40	
			87	-15	4 20 21	
			68	04	5 16 45	
			49	23	6 13 02	
			38	34	7 11 27	
			26	46	105 FT LEFT M.H.T	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03 OCT 02 Division No. 11 F.B. 2870 Pg. 161
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date JUN 25 '69
C. J. GALLI

F. B. 2820 PG. 162 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

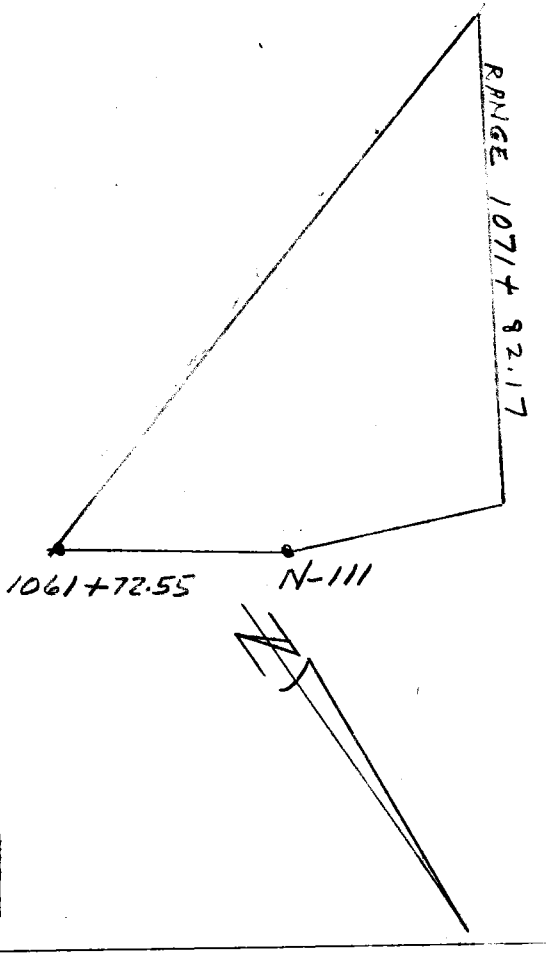
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1061+72	N-111	9:05	1	282	40	77	20	
			2	284	30	75	30	
			3	285	59	74	01	
			4	287	11	72	49	
			5	288	22	71	38	
			6	289	49	70	11	
			7	291	17	68	47	
			8	292	40	67	20	
			9	294	34	65	26	
			10	296	00	63	00	
			11	297	52	62	08	
			12	299	12	60	48	
			13	299	49	60	11	
			14	301	09	58	51	
			15	302	46	57	14	
			16	308	52	51	08	
			17	311	05	48	55	
			18	313	23	46	37	
			19	316	33	43	27	
			20	322	18	37	42	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 163

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 6-13-69

No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date [illegible]

F. B. 2820 PG. 164 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of SAME Date _____ Date _____ No. _____

Survey by C. J. GALLI Notes _____ Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	326	11			
			22	328	16			
			23	331	07			
			24	332	28			
			25	334	29			
			26	335	45			
		9:10	27	337	09			

76-L-298 CE 307 5-66

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				Sta. 1074+32.95		
	Sight on N-112				85°28' Lt.	
TBM #59				13.71	TBM #59 (Sanit.)	
T.P.				12.71	T.P. 1"x2" @ Sta. Sand	
				13.7	35' Rt. Sand	
				13.5	76' Rt. @ House Sand	
				12.7	7' Lt. Brk. Sand	
				11.0	14' Lt. "	
				12.5	46' Lt. Brk. "	
	0 65	6 70		5.95	101' Lt. 1"x2" Sand	
					★ AT N 111 SIGHT N 112	
			2 1	4 6	113 FT LEFT M.H.T.	
			3 7	3 0	1 8° 43	
			5 6	1 1	2 10 46	
			7 5	-0 8	3 13 19	
			8 7	-2 0	4 15 22	
			1 0 2	-3 5	5 17 34	
			1 1 1	-4 4	6 19 36	
			1 2 3	-5 6	7 22 04	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2820 Pg. 1
No. ____ Date ____ Date ____ Survey of Hall & Curtis Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes 4 Sec. Date 6-13-69
No. ____ Date ____ Map No. ____ Indexed ____ D. J. GALLI Date ____

F. B. 2820 PG. 166

Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

76-L-298 CE 307 5-66

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

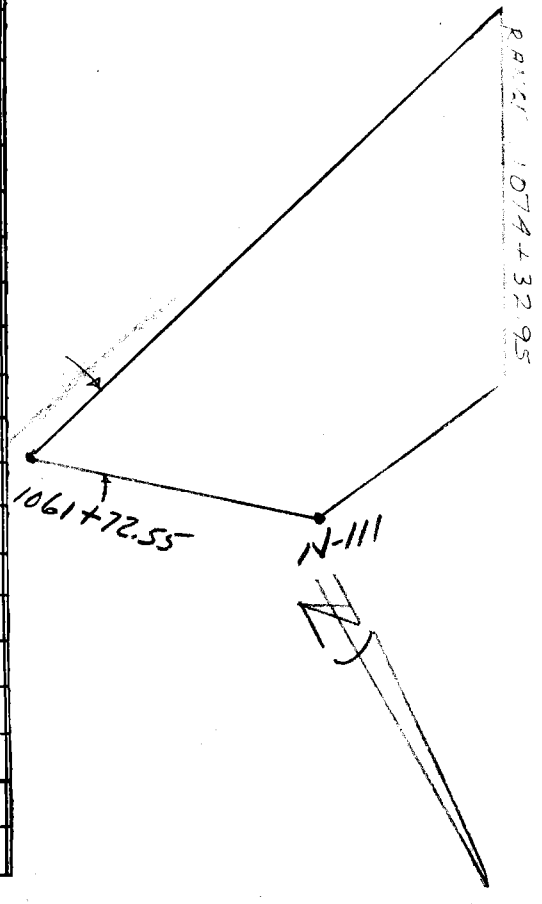
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1061+72	N-111	9:14	1	291	10	68	50	
			2	291	59	69	01	
			3	293	15	66	45	
			4	294	16	65	44	
			5	295	56	64	04	
			6	297	44	62	16	
			7	299	33	60	27	
			8	300	41	59	19	
			9	301	31	58	29	
			10	302	24	57	36	
			11	303	13	56	47	
			12	303	49	56	11	
			13	304	43	55	17	
			14	305	25	54	35	
			15	306	51	53	09	
			16	308	14	51	46	
			17	309	25	50	35	
			18	310	14	49	46	
			19	311	20	48	40	
			20	312	20	47	40	



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. Pg.

No. Date Date Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 6-13-62

No. Date Date Map No. Indexed [redacted] Date [redacted]

76L298 307 Cdb 12-62

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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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	313	08			
			22	314	30	45	30	
			23	316	16	43	44	
			24	318	27	41	33	
			25	321	14	38	46	
			26	322	46	37	14	
			27	324	53	35	07	
			28	326	15	33	45	
			29	328	36	31	24	
			30	332	45	27	15	
			31	334	27	25	33	
			32	336	20	23	40	
			33	337	11	22	49	
		9:21	34	338	22	21	38	

F. B. 2820 PG. 168

Job No. Division No. Notes Red. Plotted Profile

Survey of SAME Date Date No.

Survey by C. J. GALLI Notes Chkd. Checked X-Sec.

Indexed Date Date No.

76-L-298 CE 307 5-66

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. N-112 1077+02.09

STATION	B. S.	H. I.	F. S.	ELEV.		
					Sta 1076+83.73	
	Sight on N-112				85°28' Lt.	
T.P.				12.91	T.P. Cont. from Sta. 1074+32.95	
T.P.				12.92	T.P. 1"x2" @ Sta.	Sand
				13.5	11' Rt. @ House	Sand
				12.2	30' Lt.	
				13.6	66' Lt. Brk. Sand	
				8.79	94' Lt 1"x2" "	
TBM #60				17.49	T.B.M. #60 El. 17.49 F.B. 3790-127 Chist wstly Cor. Conc. Deck @ N-112.	
	-0 33	8 46		8 79	T.P. 1x2 94 FT LEFT	
					⊼ AT N 111 SIGHT ON N 112	
			14 3	- 5 8	4" 1 21° 20'	
			15 1	- 6 6	2 19 31	
			14 5	- 6 0	3 17 55	
			13 1	- 4 6	4 16 00	
			13 5	- 5 0	5 13 54	
			10 1	- 2 6	6 11 50	
			9 0	- 0 5	7 10 04	
			6 7	1 8	8 8 00	
			3 9	4 6	122 FT LEFT SAND.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 169
No. ____ Date ____ Date ____ Survey of Malibu Cres. Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed R.J. GALLI Date JUN 25 '69

F.B. 2820 PG. 170

76L298 307 Cdb 12-62

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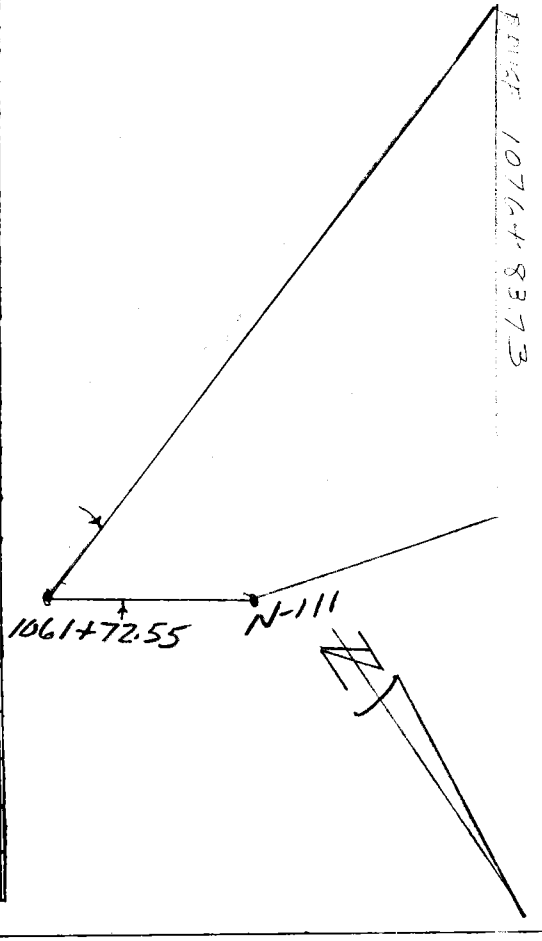
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1061+72	N-111	9:27	1	295	04	64	56	
			2	295	59	64	01	
			3	296	58	63	02	
			4	298	22	61	38	
			5	300	07	59	53	
			6	301	33	58	27	
			7	303	08	56	52	
			8	304	09	55	51	
			9	304	37	55	23	
			10	304	55	55	05	
			11	305	26	54	34	
			12	305	57	54	03	
			13	306	38	53	22	
			14	307	29	52	31	
			15	308	31	51	29	
			16	310	02	49	58	
			17	310	56	49	04	
			18	312	50	47	10	
			19	313	40	46	20	
			20	314	34	45	26	



Profile Notes Red_____ Plotted_____ Job No. 03300.02 Division No. 11 F. B. 2820 Pg. 171

No._____ Date_____ Date_____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd._____ Checked_____ Survey by Richards Notes J.G. Date_____

No._____ Date_____ Date_____ Map No._____ Indexed R.R. GALLI Date_____

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	316	52	43	08	
			22	318	10	41	50	
			23	320	33	39	27	
			24	322	29	37	31	
			25	323	52	36	08	
			26	325	16	34	44	
			27	326	50	33	10	
			28	328	07	31	53	
			29	329	53	30	07	
			30	331	01	29	59	
			31	332	36	27	24	
			32	333	35	26	25	
			33	334	50	25	10	
			34	335	42	24	18	
		9:34	35	336	45	23	15	

F. B. 2820 PG. 172

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

Survey of SAME Date ____ Date ____ No. ____

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

Indexed C. L. GALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 5-66

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			Sta 1079+52.93			
	Sight on N-113				67°28' Lt	
T.B.M. #60				17.49	T.B.M. #60 Cont.	
T.P.				13.04	T.P. 1"x2" @ Sta	Sand & Bar.
				12.5	19' Rt @ House	
	0 70	8 28 3		7.58	37' Lt. 1"x2" Sand	
					~~A~~ AT N 112, SIGHT ON N 113	
			37	46	58 FT. LEFT M.H.T.	
			59	24	4 # 1 13° 44	
			66	17	2 20 12	
			117	-34	3 27 38	
			102	-19	4 25 46	BACK IN
			92	-09	5 23 07	
			110	-27	6 29 20	
			126	-43	7 33 24	
			125	-42	8 36 28	
			136	-53	9 39 22	
			140	-57	10 41 41	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 173
No. ____ Date ____ Date ____ Survey of Malibu Area-Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-13-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C. L. GALLI Date JUN 25 '69

F. B. 2820 PG. 174 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO
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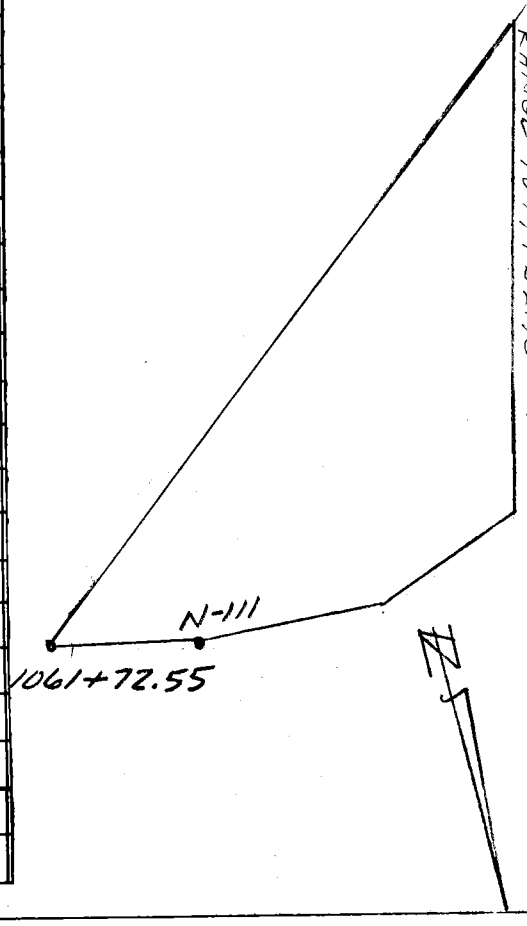
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY RANGE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1061+72	N-111	9:40	1	299	56	60	04	
			2	300	55	59	05	
			3	301	52	58	08	
			4	303	06	56	54	
			5	304	33	55	27	
			6	306	31	53	29	
			7	307	56	52	04	
			8	310	03	49	57	
			9	311	43	48	17	
			10	313	20	46	40	
			11	314	57	45	03	
			12	316	23	43	37	
			13	317	30	42	30	
			14	318	55	41	05	
			15	320	31	39	29	
			16	322	13	37	47	
			17	323	54	36	06	
			18	325	20	34	40	
			19	326	44	33	16	
			20	328	21	31	39	



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. C300.02 Division No. 11 F. B. 2800 Pg. 175
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of MALIBU HYDRO. SURVEY
Survey by RICHARDS Notes J.G. Date 6-13-69
Map No. ____ Indexed D.L.P. CALL Date ____ 2500

F. B. 2820 PG. 176 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of SAME Date _____ Date _____ No. _____

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

Indexed D. J. GALLI Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	329	44			
			22	331	08			
			23	332	07			
			24	333	27			
		9:44	25	334	31			

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0300.02 Tape ___ Std. ___ °F
Office Work	Surveyed by RICHARDS
Checked	Notes HARRIET Date 6-13-69
Date	Indexed D.L. GALLI

F. B. 2820 PG. 177

TIDE GAGE READINGS
JUNE 13, 1969
TIME – P.S.T.
DATUM – M.L.L.W.

TIME	TIDE
6:00	1.5
6:30	2.0
7:00	2.4
7:30	2.7
8:00	3.1
8:30	3.3
9:00	3.4
9:30	3.4
10:00	3.3
10:30	3.2
11:00	3.0
11:30	2.8
12:00	2.6
12:30	2.5
1:00	2.4
1:30	2.4
2:00	2.5

NOTE – TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

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

Do not extend this side of this line.

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

76F309S CE#310 3-68

F. B. 2820 PG. 178

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

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

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					STA 1082+23.58	
						67°28' Lt.
	Sight on N-113					
T.P.				13.04	T.P. Cont. from STA. 1079+52.93	
T.P.				7.~~27~~ 18	T.P. 1"x2" @ STA. Sand	
				11.7		36' Rt. Brk. Sand.
				11.5		69' Rt underHouse House
				4.41	25' LT 1x2	
				~~6.37~~	~~12' Lt. 1"x2 Sand~~	
TBM #61				9.54	T.B.M. #61 El. 954 F.B. 3790-127 Bt. spk. in Most Softly Pile Ho. #240.16 yellow House	
					* 1079+52.93 SIGHT ON N113	
	087	5 28 3		4 41	T.P. 25 FT LEFT 1x2	
			12	41	25 " " SAND	
			07	46	21 FT LEFT M.H.T.	
			45	08	53 FT "	BEGIN ROCKS AT LOW TIDE
			52	01	4 #1 10° 17'	
			56	-03	2 18 47	
			62	-09	3 24 25	
			83	-30	4 28 52	
			102	-49	5 34 29	
			92	-39	6 38 02	
			110	-57	7 40 43	
			121	-68	8 42 52	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 27.. Pg. 179
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-16-69
No. ____ Date ____ Date ____ Map No. ____ Indexed R.J. GALLI Date JUL 25 '69

F. B. 2820 PG. 180

Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

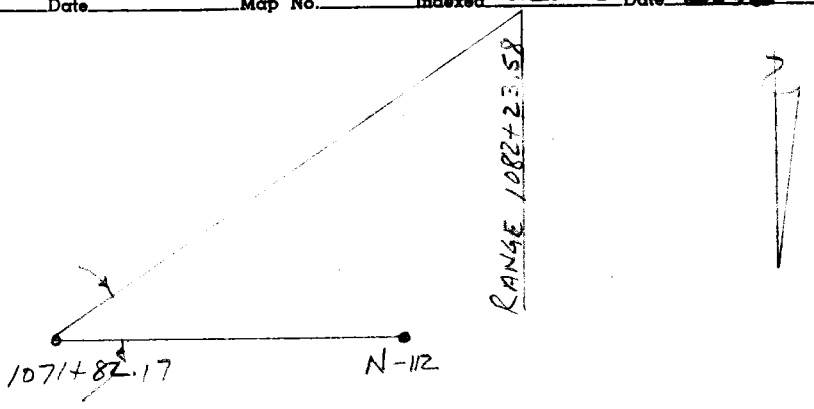
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 181

X-Sec. No. _____ Date _____ Date _____ Survey of MALIBU HYDRO-SURVEY

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes J.G. Date 6-16-69

Date _____ Date _____ Map No. _____ Indexed C.I. GALLI Date [redacted]



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

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1071+82	N-112	7:4	1	299	53			
		PST	2	300	46	59	14	
			3	301	09	58	51	
			4	302	01	57	59	
			5	303	19	56	41	
			6	304	26	55	34	
			7	305	05	54	55	
			8	305	56	54	04	
			9	306	51	53	09	
			10	307	49	52	11	
			11	308	54	51	06	
			12	309	57	50	03	
			13	311	13	48	47	
			14	311	26	48	34	
			15	311	49	48	11	
			16	312	17	47	43	
			17	313	45	46	15	
			18	315	19	44	41	
			19	316	22	43	38	
			20	317	16	42	44	

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	318	06	41	54	
			22	320	19	39	41	
			23	322	12	37	48	
			24	324	02	35	58	
			25	324	58	35	02	
			26	326	53	33	07	
			27	327	46	32	14	
			28	328	20	31	40	
			29	329	41	30	19	
			30	331	20	28	40	
			31	333	01	26	59	
		7:47	32	334	43	25	17	

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

F. B. 2820 Pg. 182

Survey of SAME

Survey by C. J. GALLI

Indexed

76-L-298 CE 307 5-66

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA 1084+94.23		
	Sight on N-113				67°28' Lt.	
T.B.M. #61				9.54	T.B.M. #61 (cont)	
T.P.				8.66	T.P. 1"x2" @ Sta. Sand	
				11.5		28' Rt. Sand
				7.39	15' Lt. 1"x2" Sand	
T.P.				8.62	T.P. only	
					⊼ AT 1079+52.93 SIGHT ON N113	
	012	600		588		
			138	-78	∡ 1 30° 00'	
			113	-53	2 26 18	
			110	-50	3 22 40	
			85	-25	4 18 25	
			73	-13	5 15 25	
			64	-04	6 11 17	
			53	07	7 8 09	
			52	08	67 FT LEFT SAND	END OF ROCKS
			14	46	35 FT LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 PG. 183
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes ASF Date 6-13-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. L. GALLI Date JUN 25 [illegible]

F. B. 2820 Pg. 184 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ 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.

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76-L.298 CE 307 5-66

76L298 307 Cdb 12-62

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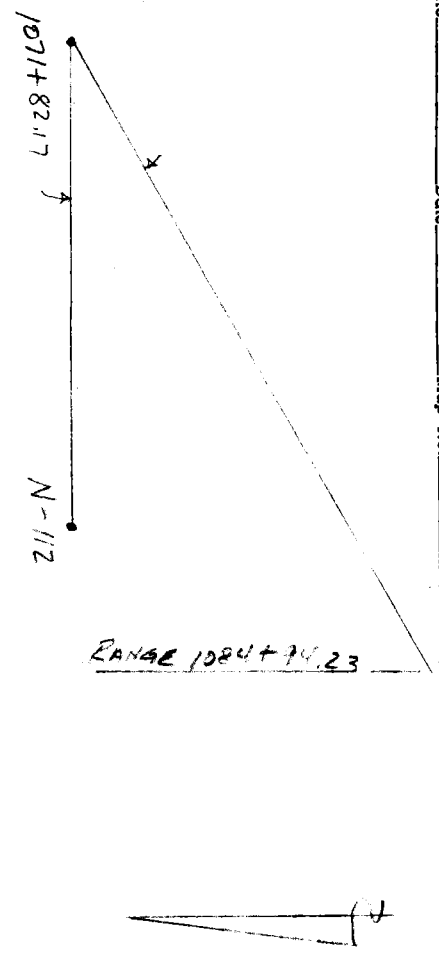
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1071+82	N-112	7:53	1	306	01	53	59	
			2	306	59	54	01	
			3	307	48	52	12	
			4	309	01	50	59	
			5	310	09	49	51	
			6	311	01	48	59	
			7	311	54	48	06	
			8	312	10	47	50	
			9	312	19	47	41	
			10	312	36	47	24	
			11	312	56	47	04	
			12	313	23	46	37	
			13	314	13	45	47	
			14	315	01	44	59	
			15	315	31	44	29	
			16	316	25	43	35	
			17	317	19	42	41	
			18	318	16	41	44	
			19	318	59	41	01	
			20	319	54	40	06	



Profile Notes Red. ____ Plotted ____ Job No. 03000.02 Division No. 11 F. B. 2820 Pg. 185

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [redacted] Notes J.G. Date 6-16-69

No. ____ Date ____ Date ____ Map No. ____ Indexed [redacted] Date [redacted]

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	321	04	38	56	
			22	322	01	37	59	
			23	323	21	36	39	
			24	324	28	35	32	
			25	325	40	34	20	
			26	326	57	33	03	
			27	327	41	32	19	
			28	329	04	30	56	
			29	329	51	30	09	
			30	330	62	28	58	
			31	331	57	28	03	
			32	332	56	27	04	
			33	333	40	26	20	
			34	334	47	25	13	
		7:59	35	335	52	24	08	
			~~36~~					

F. B. 2820 PG. 186

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

Survey of ____ Date ____ Date ____ No. ____

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

Indexed C. L. GALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 5-66

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.			
				STA. 1087+64.88			
	Sight on N-113				67°28' Lt.		
T.P.				8.62	T.P. Cont. from pg. 146		
T.P.				2.66	1"x2" @ STA. Sand		
				6.9	39° Bt. Bot. 9' wd. Rt. Wall		
				15.9	39° Rt. Top 9' " " "		
T.P.				11.09	T.P. (only)		
					⊼ AT 1079+52.93 SIGHT ON N-112		
	2 73	5 39		2 66	T.P. 1x2 ℄ STA.		
			08	46	20 FT. RIGHT M.H.T.		
			43	11	4 #1	0°	35'
			56	-02	2	3	06
			60	-06	3	6	28
			80	-26	4	9	33
			102	-48	5	13	25
			118	-64	6	16	46
			129	-75	7	18	41
			130	-76	8	19	54

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 PG. 187
No. ____ Date ____ Date ____ Survey of Malibu Area Hwy Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes 4 SC. Date 6-16-69
No. ____ Date ____ Date ____ Map No. ____ Indexed E. J. GALLI Date JUN 25 '69

F. B. 2820 PG. 188 Job No.____ Division No.____ Notes Red____ Plotted____ Profile

Survey of____ Date____ Date____ No.____

Survey by____ Notes____ Notes Chk'd.____ Checked____ X-Sec.

Indexed____ Date____ Date____ Date____ No.____

76-L-298 CE 307 5-66

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

Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

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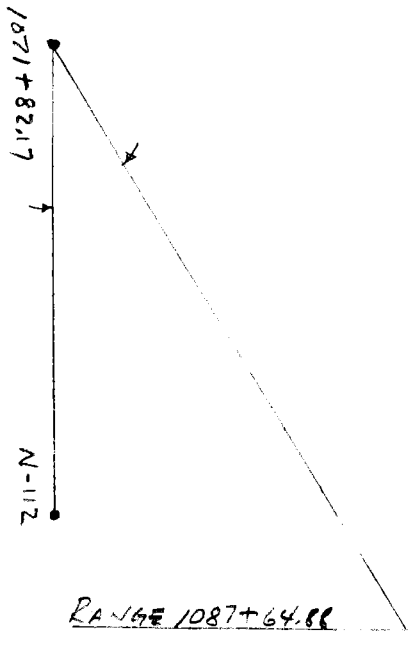
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DEG.	MIN.	
1071+82	N-112	8:07	1	310	49	49	11	
			2	312	04	47	52	
			3	313	01	46	59	
			4	313	42	46	18	
			5	314	09	45	51	
			6	314	56	45	04	
			7	315	27	44	33	
			8	316	02	43	58	
			9	316	43	43	17	
			10	317	25	42	35	
			11	318	07	41	53	
			12	319	10	40	50	
			13	319	37	40	23	
			14	320	19	39	41	
			15	320	42	39	18	
			16	321	14	38	46	
			17	321	57	38	03	
			18	322	50	37	10	
			19	323	37	36	23	
			20	324	20	35	40	



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. ____ Pg. ____

No. ____ Date ____ Date ____ Survey of PALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes TG Date 6-16-69

No. ____ Date ____ Date ____ Map No. ____ Indexed [redacted] Date [redacted]

76L298 307 Cdb 12-62

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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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	325	26	34	34	
			22	326	24	33	36	
			23	327	13	32	47	
			24	327	56	32	04	
			25	328	29	31	31	
			26	328	55	31	05	
			27	329	57	30	03	
			28	331	19	28	41	
			29	332	15	27	45	
			30	333	10	26	50	
			31	333	53	26	07	
			32	334	37	25	23	
			33	335	41	24	19	
			34	336	52	23	08	
			35	337	42	22	18	
		8:14	36	338	59	21	01	

Profile No. ____ X-Sec. No. ____
Plotted ____ Date ____ Checked ____ Date ____
Notes Red. ____ Date ____ Notes Chkd. ____ Date ____
Division No. ____ Job No. ____ Notes ____ Date ____
F. B. 2820 Pg. 190
Survey of SAME
Survey by ____
Indexed G.A. GALLI

76-L-298 CE 307 5-66

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

Do not extend notes this side of this line.

N-113 1092+54.07

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA. 1090+35.53		
	Sight on N-113				67°28' Lt.	
T.P.				2.66	T.P. Cont. from STA 1087+64.88	
T.P.				3.86	T.P. 1"x2" @ STA. Sand	
				5.41	15' Rt. 1"x2" Sand (Rock)	
				8.0	31' Rt. BOT 10' Conc Ret. Wall	
					⊼ AT 1079+52.93 SIGHT ON N 113	
	185	571		3.86	T.P. 1x2 ℄ STA.	
			144	-87	⊼ #1	26° 20'
			123	-66	2	16 07
			122	-65	3	11 40
			87	-30	4	8 46
			77	-20	5	5 36
			65	-08	6	3 25
			51	06	7	1 14
			11	46	7FT RIGHT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 Pg. 191
No. ____ Date ____ Date ____ Survey of Mobilization Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ASC Date 6-16-67
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date JUN 25 '69
E.J. GALLI

F. B. 2820 Pg. 192 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ 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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

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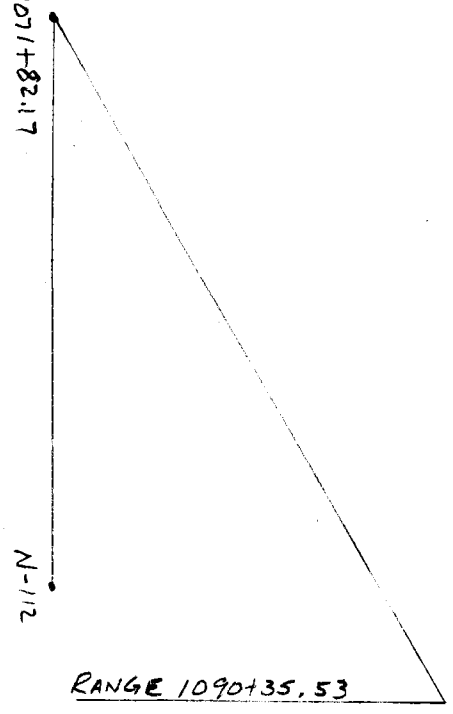
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1071+82	N-112	8:20	1	315	51	44	09	
			2	316	46	43	14	
			3	317	46	42	14	
			4	318	25	41	35	
			5	318	58	41	02	
			6	319	38	40	22	
			7	320	20	39	40	
			8	321	01	38	59	
			9	321	33	38	27	
			10	322	05	37	55	
			11	322	40	37	20	
			12	323	08	36	52	
			13	323	44	36	16	
			14	324	05	35	55	
			15	324	24	35	36	
			16	324	48	35	12	
			17	325	17	34	43	
			18	326	06	33	54	
			19	326	34	33	26	
			20	327	04	32	56	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 175

No. ____ Date ____ Date ____ Survey of [illegible] HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]

No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date [illegible]

76L298 307 Cdb 12-62

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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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	327	44	32	16	
			22	328	17	31	43	
			23	329	02	30	58	
			24	329	45	30	15	
			25	330	27	29	33	
			26	330	51	29	09	
			27	331	36	28	24	
			28	332	30	27	30	
			29	333	07	26	53	
			30	333	46	26	14	
			31	334	08	25	52	
			32	334	51	25	09	
			33	335	52	24	08	
			34	337	01	22	59	
			35	337	56	22	04	
		8:29	36	338	35	21	25	

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Job No. Division No. SAME

Notes Date

F. B. 2820 Pg. 194

Survey of

Survey by

Indexed

76-L-298 CE 307 5-66

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA. 1093+03.74		
	Sight on		N-114		75° 44' Lt.	
T.P.				3.86	T.P. Cont from STA 1090+35.53	
T.P.				5.94	TP Chis't Top Rock @ STA. Rocks & Sand	
				9.1	24' Rt. Bot 9' Conc. Wall - Rocks	
TBM #62				8.77	T.B.M. #62 El. 8.77 F.B. 3790-128 L&T in Rock @ N-113	
—	0 69	6 63		5 94	T.P. CHISX ℄ STA.	
					⊤ 1105+69.54 SIGH N113	
			2 0	4 6	10 FT LEFT M.H.T	
			~~5 2~~ 5 2	1 4	∡ #1 1° 35'	ROCKS
			6 4	0 2	2 3 53	
			9 0	-2 4	3 5 10	
			10 9	-4 3	4 6 52	
			11 0	-4 4	5 9 12	
			9 8	-3 2	6 11 46	
			10 0	-3 4	7 13 17	
			14 5	-7 9	8 16 17	
			13 5	-6 9	9 18 19	
			17 4	-10 8	10 20 32	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 195
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-16-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date [illegible]

F. B. 2820 PG. 196 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ 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.

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

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

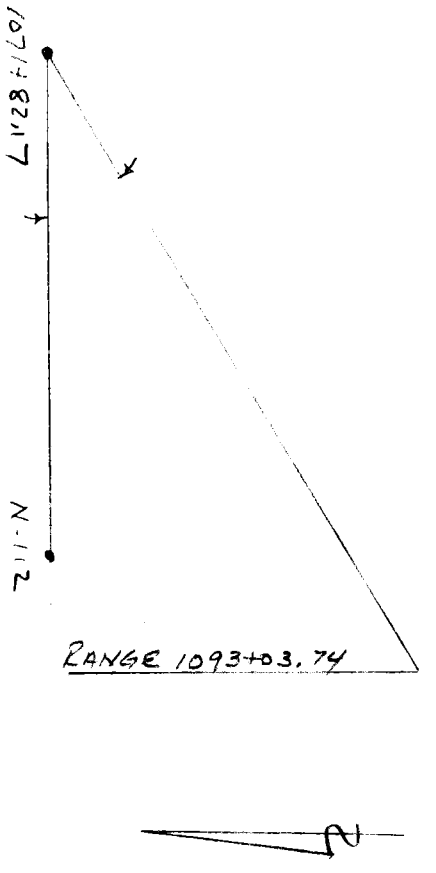
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1071482	N-112	8:48	1	317	46	42	14	
			2	318	50	41	10	
			3	319	42	40	18	
			4	320	45	39	15	
			5	321	47	38	13	
			6	322	53	37	07	
			7	323	50	36	10	
			8	324	45	35	15	
			9	325	21	34	39	
			10	326	05	33	55	
			11	326	22	33	38	
			12	327	23	32	37	
			13	328	20	31	40	
			14	329	01	30	59	
			15	329	37	30	23	
			16	330	12	29	38	
			17	330	46	29	14	
			18	331	43	28	17	
			19	332	32	27	28	
			20	332	57	27	03	



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 127

No. Date Date Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. Checked Survey by [redacted] Notes [redacted] Date 5-16-69

No. Date Date Map No. Indexed C. J. [redacted] Date [redacted]

F. B. 2820 PG. 198 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of SAME Date _____ Date _____ No. _____

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

Indexed G. J. GALLI Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	333	14	26	46	
			22	333	37	26	23	
			23	334	24	25	36	
			24	335	27	24	33	
			25	336	26	23	34	
			26	337	03	22	57	
			27	337	45	22	15	
			28	338	08	21	52	
			29	338	51	21	09	
		8:56	30	339	31	20	59	

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					STA. 1095 + 61.70	
	Sight on N-114					75° 44' Lt.
T.P.				5.94	T.P. Cont from STA. 1093+03.74	
T.P.				3.11	T.P. 1"x2" @ STA. Sand	
				5.77		25' Lt. 1"x2" Sand
				12.4		67' Rt. Brk "
				13.0		87' " Sand.
					⊼ AT 1105+69.54 SIGHT ON N113	
	1 00	6 77		5 77	T.P. 25 FT RIGHT 1x2	
		8		5 4	25 FT " SAND	
			2 2	4 6	17 FT RIGHT M.H.T.	
			168	-1 0 0	∡ 1	20° 24'
			131	-6 3	2	18 51
			104	-3 6	3	14 54
			106	-3 8	4	10 30
			98	-3 0	5	8 30
			93	-2 5	6	6 16
			65	0 3	7	4° 20'
			70	-0 2	8	3° 38'
			59	0 9	9	1° 46'
			34	3 4	℄ STA. SAND	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 282 Pg. 19
No. ____ Date ____ Date ____ Survey of Hallibu Area - Hwy. Survey
X-Sec. Notes Chk'd ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-16-69
No. ____ Date ____ Date ____ Map No. ____ Indexed D.L. GALLI Date ____

F. B. 2820 PG. 200 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ 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.

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

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

76-L-298 CE 307 5.66

76L298 307 Cdb 12-62

PLEASE RETURN TO

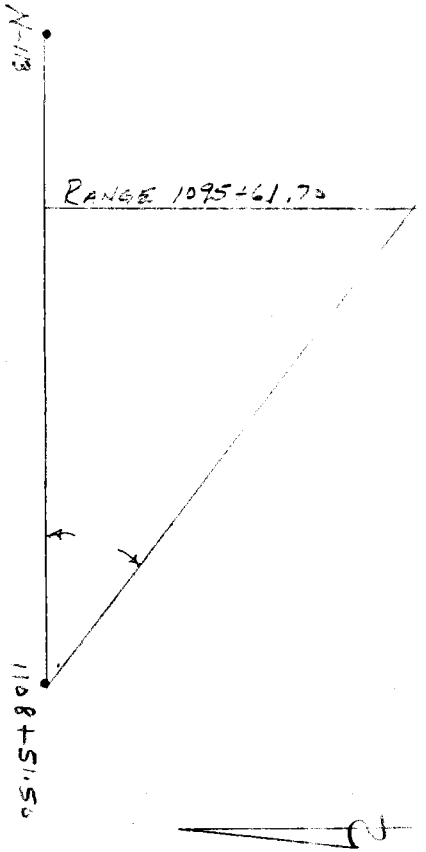
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1108+50	N-113	9:26	1	51	39			
			2	49	16			
			3	47	51			
			4	46	58			
			5	46	09			
			6	44	34			
			7	42	44			
			8	41	48			
			9	40	43			
			10	39	11			
			11	37	25			
			12	36	13			
			13	33	47			
			14	32	59			
			15	31	47			
			16	30	45			
			17	30	05			
			18	28	21			
			19	27	12			
			20	25	22			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2820 Pg. 201

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes DON Date 6-16-69

No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] GALLI Date [illegible]

76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	23	56			
			22	22	57			
			23	21	38			
			24	20	11			
			25	18	58			
			26	17	39			
			27	17	10			
			28	15	16			
			29	13	41			
			30	12	27			
		9:33	31	10	30			

F. B. 2820 PG. 202

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

Survey of Date Date No. X-Sec.

Survey by Notes Notes Chkd. Checked

Indexed C. J. GALLI Date Date Date No.

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					STA. 1098+19.66	
	Sight on N-114				75°44' Lt.	
T.P.				5.77	T.P. Cont. from STA 1095+61.70	
T.P.				3.42	T.P. 1"x2" @ STA.	Sand & Rock
T.P.				6.00	T.P. 30' Rt. 1"x2"	Sand & Rock
				92	65' Rt.	Sand. @ House
					⊼ AT 1105+69.54	SIGHT ON N113
	103	703		600	T.P. 30 FT RIGHT	
			24	46	21 FT RIGHT M.H.T.	
			38	32	℄ STA. SAND	
			61	09	∡ 1 2° 17'	
			77	-07	2 5 28	
			92	-22	3 8 52	
			105	-35	4 12 07	
			131	-61	5 16 44	
			135	-65	6 20 26	
			149	-79	7 23 20	
			145	-75	8 25° 17'	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 203
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC. Date 6/6/1969
No. ____ Date ____ Date ____ Map No. ____ Indexed B.L. GALLI Date JUN 25 [illegible]

F. B. 2820 Pg. 204

Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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

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

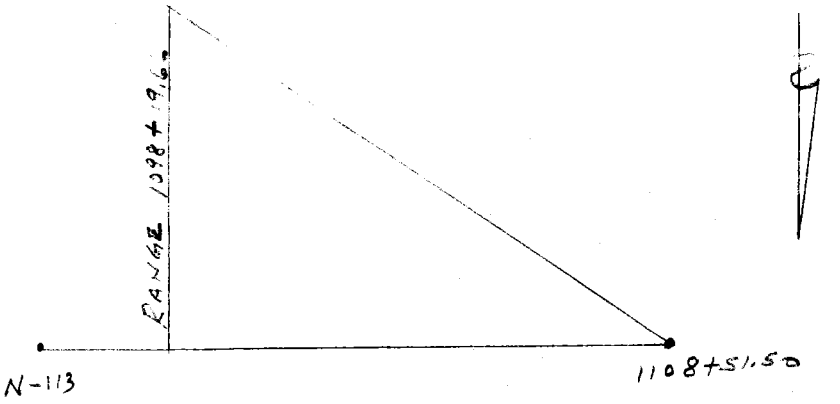
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Date _____ Plotted _____ Date _____ Job No. 2700.02 Division No. 11 F. B. 2820 Pg. 205

X-Sec. No. _____ Notes Chkd. _____ Date _____ Checked _____ Date _____ Survey of MALIBU HYDRO SURVEY

Survey by RICHARDS Notes [illegible] Date 6-16-69

Map No. _____ Indexed [illegible] GALLI Date [illegible]



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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1108+51	N-113	9:41	1	60	01			
			2	58	25			
			3	56	48			
			4	55	03			
			5	53	15			
			6	51	25			
			7	50	16			
			8	49	04			
			9	46	17			
			10	45	03			
			11	43	45			
			12	41	43			
			13	40	33			
			14	39	12			
			15	38	04			
			16	36	54			
			17	35	13			
			18	33	30			
			19	31	38			
			20	29	35			

76L298 307 Cdb 12-62

F. B. 2820 Pg. 206 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME _____ Date _____ Date _____ No. _____

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

Indexed C. J. GALLI Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	28	03			
			22	26	22			
			23	25	14			
			24	23	43			
			25	22	03			
			26	20	31			
			27	18	32			
			28	17	26			
			29	15	23			
			30	14	12			
			31	11	53			
		9:48	32	10	28			

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.				
		STA.		1100+77.62				
	Sight on N-114							75°44' Lt.
T.P.				600	T.P. Cont. from STA. 1098+19.66			
T.P.				2.98	T.P. 1"x2" @ STA. Sand			
				5.33		30' Rt. 1"x2" Sand		
				11.5		70' Rt. Brk. "		
				12.7		100' Rt. "		
T.B.M. #63				11.58	T.B.M. #63 El. 11.58 FB. 3790-128 Bt. Spk. in 2nd Pile from West. 2 Story Wood & Stucco House			
					* 1105+69.54 SIGHT ON N113			
	113	6 4.6		5.33	T.P. 30 FT RIGHT			
			1.42	-7.9	* #1	39°	20'	
			1.17	-5.2	2	34	20	
			9.8	-3.3	3	25	40	
			8.8	-2.3	4	19	25	
			7.4	0.9	5	12	23	
			6.9	-0.4	6	5	23	
			5.4	1.1	7	1	50	
			3.7	2.8	℄ SAND			
			1.9	4.6	21 FT RIGHT M. HT			

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. 3300.02 Division No. 11 F.B. 2820 PG. 207
No. X-Sec. Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____ -16
Date ____ Date ____ Map No. ____ Indexed D.J. CALLI Date ____

F. B. 2820 Pg. 208

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO

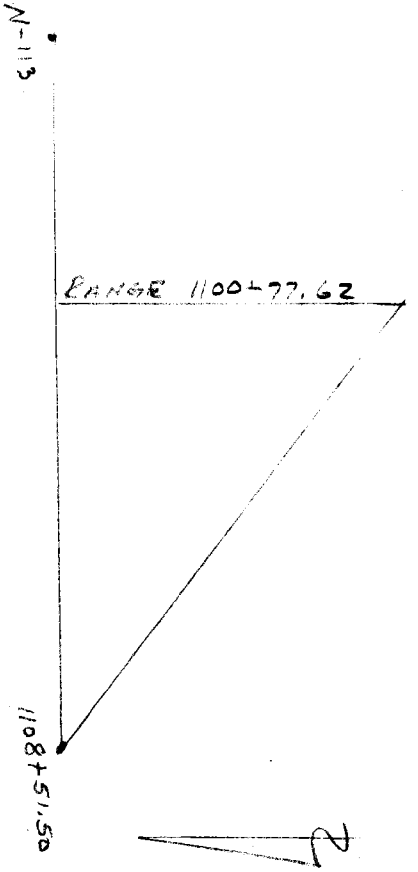
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1108+51	N-113	9:58	1	68	29			
			2	68	07			
			3	66	43			
			4	64	50			
			5	62	15			
			6	60	10			
			7	58	01			
			8	54	58			
			9	52	50			
			10	50	27			
			11	48	01			
			12	45	46			
			13	43	27			
			14	41	09			
			15	39	02			
			16	36	43			
			17	33	34			
			18	32	03			
			19	28	15			
			20	26	22			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 209

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-16-69

No. ____ Date ____ Date ____ Map No. ____ Indexed C. L. GALLI Date [illegible]

F. B. 2820 PG. 210

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

Survey of _____ SAME Date _____ Date _____ No. _____

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

Indexed C. J. GALLI Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	23	35			
			22	21	40			
			23	19	44			
		10:03	24	16	43			

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 1103 + 35.58			
Sight on N-114					75° 44' Lt.	
T.B.M. #63				11.58	T.B.M. #63 (Cont)	
T.P.				1.70	T.P. 1"x2" @ STA. Sand.	
T.P.				4.40	T.P. 34' Rt. 1"x2" Sand	
				9.6	83' Rt. Sand @ Houses	
					⊼ At 1093 + 03.74	SIGHT N 114
	2 63	7 03		4 40	T.P. 34 FT RT. 1x2	
			2 4	4 6	38 FT RIGHT M.H.T.	
			5 2	1 8	℄ STA. SAND	
			6 2	0 8	∡ #1 1° 57'	
			7 4	-0 4	2 3 32	
			8 5	-1 5	3 6 08	
			9 3	-2 3	4 9 00	
			12 5	-5 5	5 11 16	
			13 5	-6 5	6 12 40	
			10 6	-3 6	7 15 02	
			15 5	-8 5	8 17 29	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300 Division No. 11 F. B. 2820 PG. 211
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date JUN 25 '69

F. B. 2820 PG. 212 Job No.____ Division No.____ Notes Red____ Plotted____ Profile

Survey of____ Date____ Date____ No.____

Survey by____ Notes____ Notes Chk'd.____ 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.

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

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

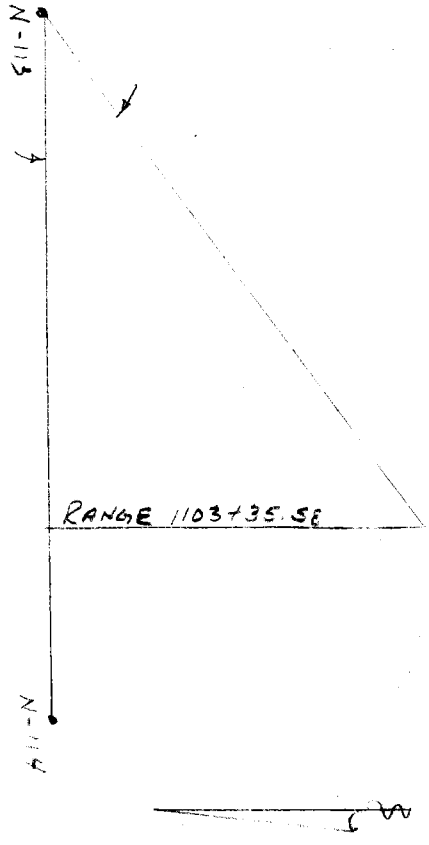
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-113	N-114	10:21	1	321	23	38	37	
			2	322	26	37	34	
			3	323	38	36	22	
			4	324	13	35	47	
			5	325	17	34	43	
			6	325	51	34	09	
			7	326	48	33	12	
			8	327	43	32	17	
			9	328	55	31	05	
			10	329	54	30	06	
			11	331	13	28	47	
			12	332	27	27	23	
			13	333	20	26	40	
			14	334	09	25	51	
			15	335	03	24	57	
			16	335	55	24	05	
			17	337	22	22	38	
			18	338	10	21	50	
			19	339	27	20	33	
			20	340	40	19	20	



Profile Notes Red. ____ Plotted ____ Job No. 0500.02 Division No. 11 F. B. 2820 Pg. 213

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes DON Date 6-16-69

No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F. B. 2820 PG. 214

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

Survey of _____ SAME _____ Date _____ Date _____ No. _____

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

Indexed C. J. GALLI Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	342	17			
			22	343	48			
		10:28	23	345	39			
			24					

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 1105+93.54			
	Sight on N-114				75°44' Lt.	
T.P.				4.40	T.P. Cont. from Sta. 1103+[illegible]	
T.P.				3.27	T.P. 1"x2" @ Sta. [illegible]	
				8.6	6.5 Rt. Bot. Conc. Ret. wall	
				10.8	6.5 " Top " " "	
	048	693		6.45	15' Lt. 1"x2" Sand.	
					OCCUPY 1093+03.74 SIGHT N114	
			149	-80	∡ #1 11° 40'	
			134	-65	2 09 33	
			114	-45	3 7 59	
			97	-28	4 6 05	
			77	-08	5 4 05	
			52	17	6 2 25	
			23	46	29 FT LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 PG. 215
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. L. GALLI Date JUN 25 '69

F. B. 2820 PG. 216

Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

76-L-298 CE 307 5-66

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

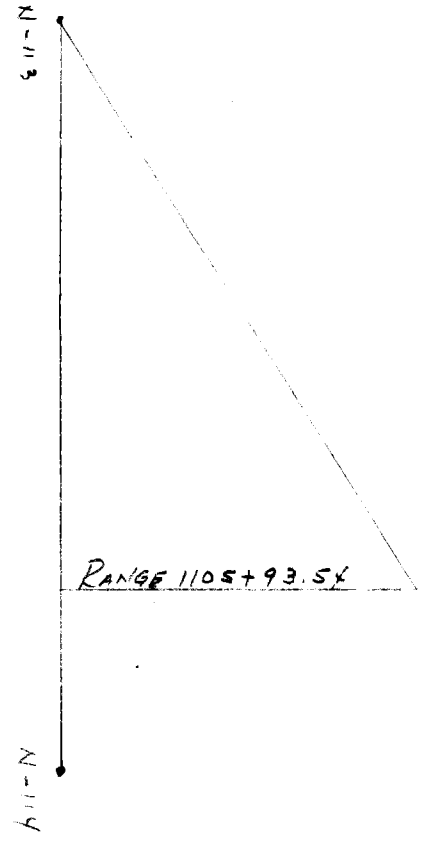
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-113	N-114	10:35	1	326	09	33	51	
			2	327	03	32	57	
			3	327	33	32	27	
			4	328	20	31	40	
			5	329	12	30	48	
			6	330	01	29	59	
			7	330	50	29	10	
			8	331	40	28	20	
			9	332	34	27	26	
			10	333	11	26	49	
			11	334	14	25	46	
			12	334	43	25	17	
			13	335	30	24	30	
			14	335	53	24	07	
			15	336	33	23	27	
			16	337	29	22	31	
			17	338	12	21	48	
			18	339	32	20	28	
			19	340	46	19	14	
			20	341	48	18	12	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. [illegible] Pg. [illegible]

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-16-69

No. ____ Date ____ Date ____ Map No. ____ Indexed [redacted] GALLI Date [redacted]

76L298 307 Cdb 12-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	342	41	17	19	
			22	344	00	16		
			23	345	00	15		
			24	345	38	14	22	
			25	346	44	13	16	
			26	347	54	12	06	
			27	348	37	11	23	
			28	350	05	9	55	
			29	350	52	9	08	
			30	351	51	8	09	
		10:41	31	352	35	8	25	

F. B. 2820 PG. 218

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

Survey of ____ Date ____ Date ____ No. ____

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

Indexed C. IL GALLI Date ____ Date ____ Date ____ No. ____

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

Survey of HYDROGRAPHIC SURVEY
JN 4300-02 Tape Std. °F
Surveyed by RICHARDS
Notes UHARRIST Date 6-16-69
Indexed D. L. GALLI JUN 25 '69

F. B. 2820 PG. 219

TIDE GAGE READINGS
JUNE 16, 1969
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	0.0
6:30	0.4
7:00	0.8
7:30	1.2
8:00	1.6
8:30	2.0
9:00	2.3
9:30	2.7
10:00	3.0
10:30	3.1
11:00	3.2
11:30	3.2
12:00	3.2
12:30	3.1
1:00	2.9
1:30	2.7
2:00	2.5

NOTE - TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

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

Do not extend this side of this line.

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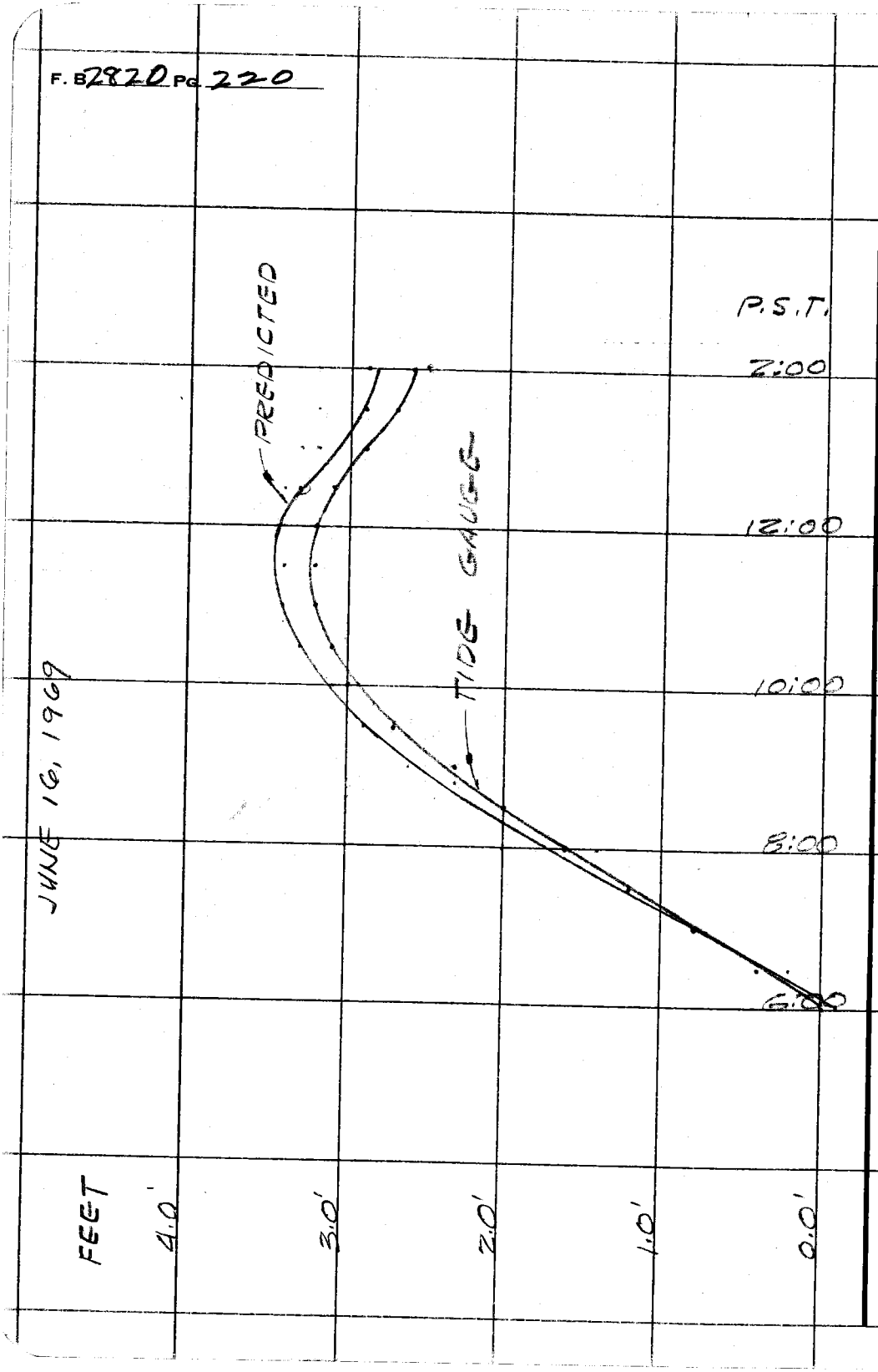
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

F. B 2820 PG. 220



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

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. N-114 1109+45.92

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA	1108	+51.50	
	Sight on		N-114			75° 44' Lt
T.P.				8.27	T.P. Cont. from Sta. 1105+93.5±	
T.P.				8.50	TP 1"x2" @ Sta. Sand.	
				10.1	13' Rt. Sand. Bot. Bank	
				27.0	37 Rt. Top "	
				6.36	15' Lt. 1"x2" Sand	
TBM #64				11.25	T.B.M. #64 F.B. 3790-128 El. 1135 [illegible] in Bot. Conc. Stop. Ho. #24402 @ N-114	
					⊼ 1113+69.35 SIGHT N114	
	-0 35	601		6.36	T.P. 1x2 15' LEFT	
			00	60	15 FT LEFT SAND	
			14	46	29 FT LEFT M.H.T	
			46	14	70 " " SAND	
			65	-05	∡ #1 5° 45	
			69	-09	2 7 52	
			90	-30	3 11 10	
			106	-46	4 14 15	
			132	-72	5 19 14	
			138	-78	6 23 01	
			130		7 25 22	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 PG. 221
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date JAN 25 '69

F. B. 2820 Pg. 222 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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

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

76-L-298 CE 307 5-66

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

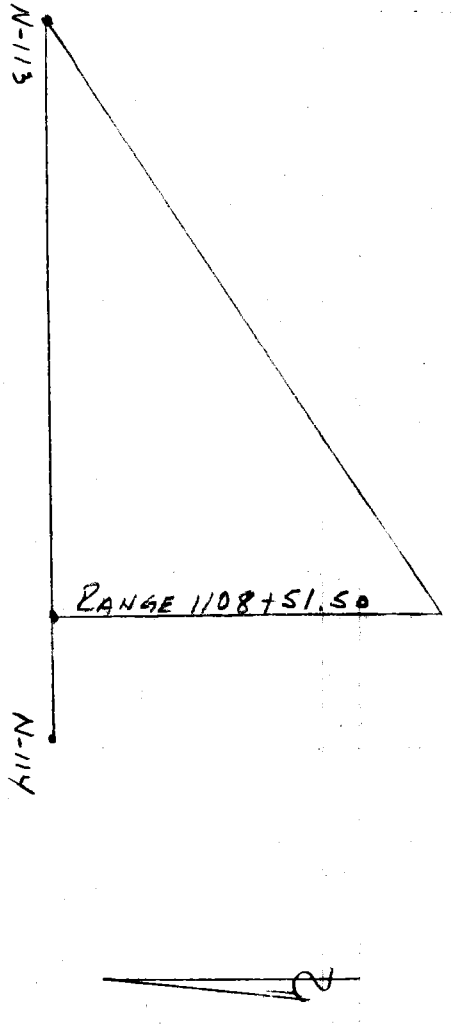
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-113	N-114	8:00	1	329	12	30	48	
			2	329	49	30	11	
			3	330	15	29	45	
			4	330	41	29	19	
			5	331	06	28	54	
			6	331	53	28	07	
			7	332	45	27	15	
			8	333	24	26	36	
			9	333	55	26	05	
			10	334	38	25	22	
			11	335	18	24	42	
			12	335	58	24	02	
			13	336	42	23	18	
			14	337	09	22	51	
			15	337	55	22	05	
			16	338	25	21	35	
			17	339	40	20	20	
			18	339	42	20	18	
			19	340	31	19	29	
			20	341	19	18	41	



Profile Notes Red ____ Plotted ____ Job No. 2300.02 Division No. 11 F. B. 2820 Pg. 223

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-17-69

No. ____ Date ____ Date ____ Map No. ____ Indexed R.J. GALL Date ____

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	342	14	17	46	
			22	343	25	16	35	
			23	344	30	15	30	
			24	345	30	14	30	
			25	346	08	13	52	
			26	347	08	12	52	
			27	348	08	11	52	
			28	349	11	10	49	
			29	349	50	10	10	
		8:05	30	351	16	8	40	

F. B. 2820 Pg. 224

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

Survey of Date Date No. X-Sec.

Survey by Notes Notes Chkd. Checked

Indexed C. L. GALLI Date Date No.

76-L-298 CE 307 5-66

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA. 1111+10.21		
Sight on N-115					105° 16' Lt.	
T.B.M. #64				11.25	T.B.M. #64 Cont.	
T.P.				10.44	T.P. 1"x2" @ Sta. Sand.	
				12.8	18' Rt. Bot Bank @ House (Sand)	
				7.57	20' Lt. 1"x2" Sand	
T.B.M. #65				13.15	T.B.M. #65 El. 13.15 F.B. 37.90-129 Chis "+" Bot. Stop No. #24420	
					⊼ AT 1113+69.35 SIGHT ON N 114	
	-054	733		787		
			145	-72	X# 1	43° 33'
			141	-69	2	41 26
			120	-47	3	37 57
			101	-27	4	35 42
			99	-26	5	32 08
			81	-18	6	27 22
			67	06	7	24 28
			71	02	8	21 47
			54	19	9	15° 15'
			27	46	41 FT LEFT M.H.T	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 225
No. ____ Date ____ Date ____ Survey of Mobile Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-17-81
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date JUN 25 [illegible]

F. B. 2820 PG. 226 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

76-L-298 CE 307 5-66

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

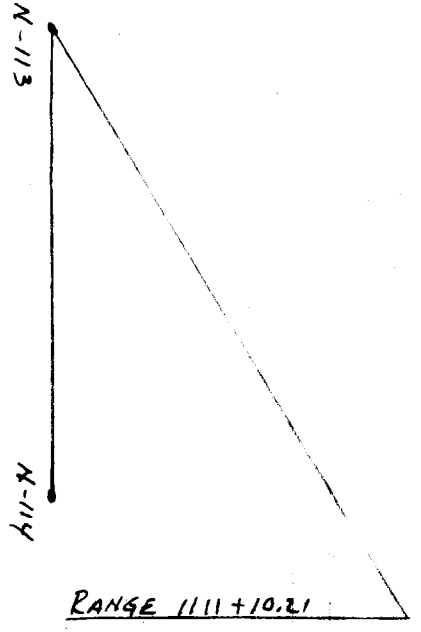
765420A - CE 353A - Cdb 9-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-113	N-114	8:12	1	331	45	28	15	
			2	332	43	27	17	
			3	333	17	26	43	
			4	333	35	26	25	
			5	334	04	25	56	
			6	334	50	25	10	
			7	335	25	24	35	
			8	335	56	24	04	
			9	336	30	23	30	
			10	337	10	22	50	
			11	337	58	22	02	
			12	338	31	21	29	
			13	339	12	20	48	
			14	339	53	20	07	
			15	340	50	19	10	
			16	341	34	18	26	
			17	342	05	17	55	
			18	343	06	16	54	
			19	343	52	16	08	
			20	344	14	15	46	



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 227
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-17-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F. B. 2820 PG. 228

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

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by C. J. GALLI Notes _____ Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
		8:17	21	345	12	14	48	
		8:22	22	347	09	12	51	
			23	347	24	12	36	
			24	347	49	12	11	
			25	348	34	11	26	
			26	349	25	10	35	
			27	350	07	09	53	
			28	350	30	09	30	
			29	351	03	08	57	
		8:24	30	352	33	07	27	

76-L-298 CE 307 5-66

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA 1113 + 69.35		
	Sight on N-115					105° 16' Lt.
T.B.M. #65 TP				13.15	TBM #65 Cont.	
				[illegible]	[illegible]	Sand
				16.6	50' Rt.	Bot Bank Sand.
				32.8	76' Rt.	Top "
	1.60	6.92		5.32	40' Lt. 1"x2" ~~Sand~~.	
					↑ AT 1111+10.21	SIGHT N115
				5.0	40 LEFT SAND	
			2.3	4.6	43 " "	M.H.T.
			4.4	2.5	57 " "	
			6.4	0.3	4 1	25° 06'
			8.2	-1.3	2	30 03
			9.9	-3.0	3	37 14
			10.6	-3.7	4	46 26
			11.7	-4.8	5	51 50
			13.5	-6.6	6	57 09
			14.8	-7.9	7	62 10
			16.3	-9.4	8	66 43

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed D.J. GALLI Date JAN 25 [illegible]

F.B. 2820 PG. 229

F. B. 2820 PG. 230 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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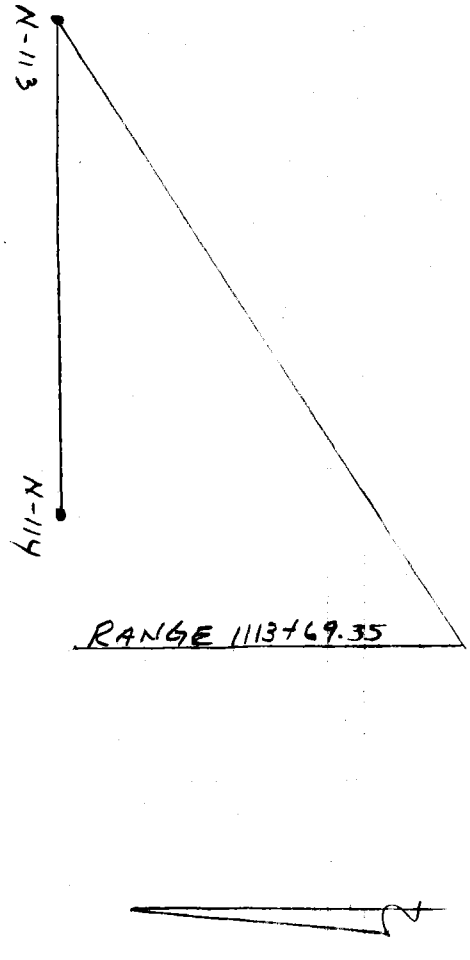
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-113	N-114	8:32	1	336	37	33	23	
			2	337	12	32	48	
			3	337	46	32	14	
			4	338	23	31	37	
			5	339	18	30	42	
			6	340	13	29	47	
			7	340	48	29	12	
			8	341	28	28	32	
			9	342	21	27	39	
			10	343	22	26	38	
			11	344	13	25	47	
			12	344	56	25	04	
			13	345	39	24	21	
			14	346	19	13	41	
			15	347	06	12	54	
			16	347	47	12	13	
			17	348	40	11	20	
			18	349	04	10	56	
			19	349	37	10	23	
			20	350	07	9	53	



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 231
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-17-69
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only		
						Range Line		Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch			Deg.	Min.	
			21	350	43			
			22	351	14			
			23	352	09			
			24	352	46			
			25	353	22			
			26	353	57			
			27	354	42			
			28	355	35			
		8:37	29	356	33			

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

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Division No. ____ Job No. ____ Notes ____ Date ____

SAME

Survey of ____

Survey by C. J. GALLI

Indexed ____

F. B. 2820 PG. 232

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					STa. 1116+28.49	
	Sight on N-115				105° 16' Lt.	
T.P.				11.75	T.P. Cont. from STa. 1113+69.35	
T.P.				10.78	T.P. 1"x2" @ STa. Sand	
				14.1	28' Rt. Sand - [illegible]	
				5.61	30' Lt. 1"x2" [illegible]	
T.B.M. #66				[illegible]	T.B.M. #66 El. 16.92 FB. [illegible] Top Nut [illegible] Bolt [illegible] 50 Ho.	
					⊼ AT 1111+10.21 SIGHT N115	
	089	650		5 61		
			174	-109	∡ #1 49° 50'	
			159	-94	2 46 11	
			143	-78	3 40 32	
			127	-62	4 32 22	
			100	-35	5 27 02	
			94	-29	6 20 44	
			76	-11	7 16 44	
			64	01	8 12 53	
			31	34	50 FT LEFT SAND	
			19	46	36 " " " M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 28.0.02 Division No. 11 F.B. 2820 Pg. 233
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 17-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date JUN 2 5 '69

F. B. 2820 PG 234 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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

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

76-L-298 CE 307 5-66

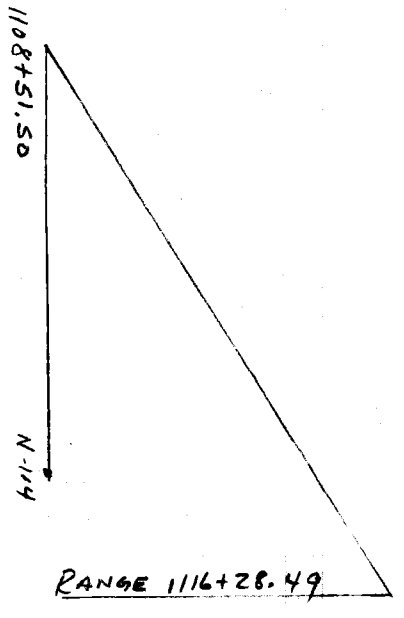
76S420A - CE 353A - Cdb 9-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1108+51	N-114	8:58	1	317	17	44	43	
			2	317	54	42	06	
			3	319	05	40	55	
			4	320	02	39	58	
			5	320	49	39	11	
			6	322	01	37	59	
			7	323	18	36	42	
			8	324	37	35	23	
			9	325	29	34	31	
			10	326	44	33	16	
			11	327	50	32	10	
			12	329	02	30	58	
			13	330	12	29	48	
			14	331	15	28	45	
			15	332	38	27	22	
			16	334	19	25	41	
			17	335	34	24	26	
			18	337	42	22	18	
			19	339	11	20	49	
			20	341	01	18	59	



Profile
Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 235
No. Date Date Survey at MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes DON Date 6-17-69
No. Date Date Map No. Indexed Date

F. B. 2820 Pg. 236 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

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

Indexed C. J. GALLI Date _____ Date _____ Date _____ No. _____

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	342	24	17	36	
			22	344	06	15	54	
			23	345	57	14	03	
			24	348	19	11	41	
			25	348	59	11	01	
			26	350	23	9	37	
			27	351	27	8	33	
			28	354	01	5	59	
			29	354	52	5	08	
			30	357	52	2	08	
		9:03	31	01	21			

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA. 1118+87.63		
		Sight	on	N-115	105°16' Lt.	
TBM #66				16.92	TBM #66 Cont	
				9.28	[illegible]	Sand
				16.2	29' Bt.	Sand - under House
	1 32	6 65		5.33	25' Lt. 1"x2" Sand	
					⊼ AT 1111+10.21	SIGHT ON N 115
			20	46	28 FT LEFT	
			30	36	40 " "	
			56	10	7 #1 6° 26'	
			70	-04	2 8 48	
			82	-16	3 11 44	
			101	-35	4 15 47	
			114	-48	5 18 40	
			151	-85	6 24 52	
			154	-88	7 29 21	
			179	-113	8 34 23	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2820 Pg. 237
No. ____ Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-17-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed E. J. GALLI Date JUN 25 [illegible]

F. B. 2820 PG. 238

Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

765420A • CE 353A • Cdb 9-62

PLEASE RETURN TO

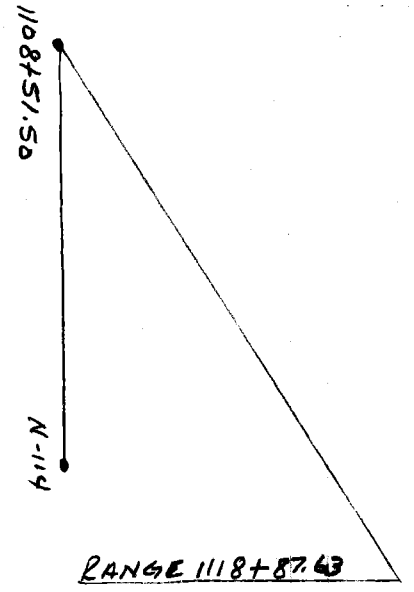
LOS ANGELES COUNTY SURVEYOR

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
1108+51	N-114	9:08	1	325	42	34	18		
			2	327	30	32	30		
			3	328	59	31	01		
			4	330	10	29	50		
			5	331	34	28	26		
			6	333	07	26	53		
			7	334	16	25	44		
			8	335	46	24	14		
			9	337	01	22	59		
			10	338	21	21	39		
			11	339	21	20	39		
			12	340	32	19	28		
			13	341	35	18	25		
			14	342	00	18	00		
			15	342	38	17	22		
			16	344	42	15	18		
			17	346	31	13	29		
			18	348	25	11	35		
			19	349	50	10	10		
			20	351	30	8	30		



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 4 F. B. 2820 Pg. 239

No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-17-64

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

F. B. 2820 Pg. 240 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

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

Indexed C. J. GALLI Date _____ Date _____ Date _____ No. _____

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.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	352	41	07	17	
			22	353	50	06	10	
			23	355	15	04	21	
			24	356	37	03	23	
			25	358	46	01	14	
			26	359	47	01	-13	
			27	01	53			
			28	04	16			
		9:15	29	07	34			

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
					STA. 1121 + 46.77
					Sight on N-115 105°16' Lt.
T.P.				9,28	T.P. Cont. from Sta. 1118+87.63
T.P.				8,18	T.P. 1"x2" @ Sta. Sand
				13,7	25' Rt Brk. Sand
				14.0	50' Rt. "
	094	0 36		5,12	20' Lt. 1"x2" Sand
			176		⊼ AT 1111 + 10.21 SIGHT N 115
			176	-116	4 #1 26° 00'
			164	-104	2 21 25
			138	-78	3 14 10 (BAD ANGLE?)
			134	-74	4 16 27
			105	-45	5 13 23
			87	-27	6 11 02
			70	-10	7 7 43
			53	07	8 5 01
			20	40	27 FT LEFT SAND
			14	46	22 " " " M.H.T.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 2820 PG. 291
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-17-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date JUN 25 '69

F. B. 2820 PG. 242 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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

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

76-L-298 CE 307 5-66

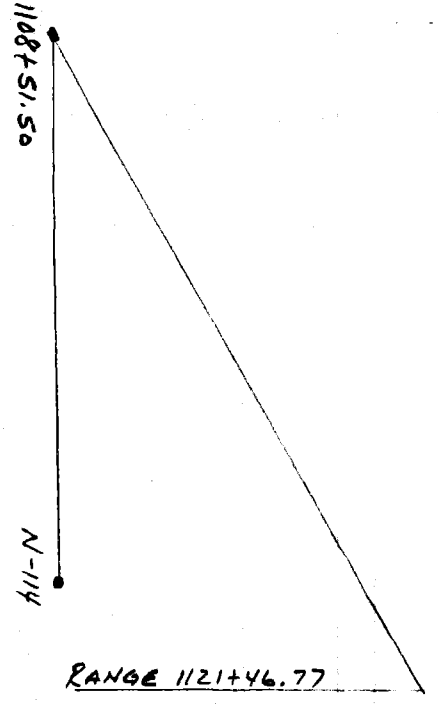
76S420A - CE 353A - Cdb 9-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1108+51	N-114	9:28	1	332	50	27	10	
			2	334	14	25	46	
			3	335	36	24	24	
			4	337	14	22	46	
			5	338	45	21	15	
			6	340	15	19	45	
			7	342	50	17	10	
			8	344	17	15	43	
			9	345	44	14	16	
			10	347	43	12	17	
			11	349	16	10	44	
			12	350	47	9	13	
			13	352	16	7	44	
			14	353	44	6	16	
			15	354	49	5	11	
			16	355	57	4	03	
			17	357	11	2	49	
			18	357	58	2	02	
			19	359	00	1	00	
			20	0	00	0	00	



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 243
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-17-69
No. ____ Date ____ Date ____ Map No. ____ Indexed G. ULGALLI Date JUN 25 '69

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.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only		
						Range Line		Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch			Deg.	Min.	
			21	01	18			
			22	03	15			
			23	04	56			
			24	06	28			
			25	08	16			
			26	09	39			
			27	10	38			
			28	12	35			
		9:33	29	13	24			

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

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Division No. ____ Job No. SAME

Notes ____ Date ____

Survey of ____

Survey by ____

Indexed C.J. GALLI

F. 22820 Pg. 244

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					STa. 1124+05.91	
	Sight on N-115				105°16' Lt.	
T.P.				8.18	T.P. Cont. from Sta. 1121+46.77	
T.P.				8.87	T.P. 1"x2" @ Sta. Sand.	
				13.4	41' Rt. Sand - under House	
				5.40	30' Lt. 1"x2" Rocks	
T.B.M. #67				15.24	T.B.M. #67 El. 1524 F.B. 3790-131 Bt. Spk. in end Plank @ S.E. Cor. & Pile Ho# 24-60 1 Story Green Stucco.	
					↑ AT 1118+87.63	SIGHT ON N115
	157	69		5.40	T.P. 1x2 30 FT. LEFT	
		70	24	46	32 FT LEFT M.H.T.	SAND AMOUS ROCKS
			50	28	∡ #1 6° 32'	
			63	07	2 10 52	
			84	-14	3 15 54	
			110	-40	4 22 22	
			133	-63	5 27 50	
			154	-84	6 35 19	
			156	-86	7 38-23	
			164	-94	8 42 52	
			173	-103	9 46 37	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 245
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date JUN 25 '69

F. B. 2820 PG. 246 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

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

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

76-L-298 CE 307 5-66

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

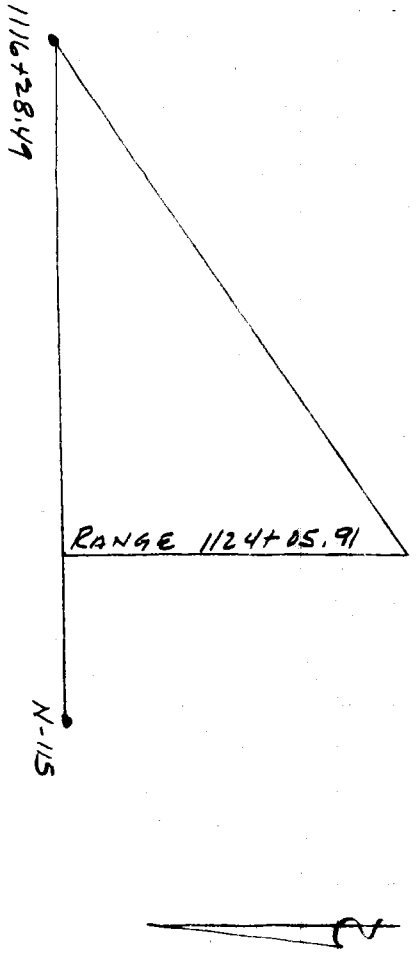
LOS ANGELES COUNTY SURVEYOR

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1116+28	N-115	9:48	1	286	14	73	46	
			2	287	23	72	37	
			3	288	25	71	35	
			4	289	11	70	49	
			5	290	04	69	56	
			6	290	59	69	01	
			7	292	02	67	58	
			8	293	01	66	59	
			9	294	14	65	46	
			10	295	14	64	46	
			11	296	31	63	29	
			12	297	50	62	10	
			13	299	07	60	53	
			14	301	04	58	56	
			15	302	25	57	35	
			16	304	35	55	25	
			17	305	49	54	11	
			18	307	27	52	33	
			19	308	57	51	03	
			20	310	58	49	02	



Profile Notes Red. Plotted Job No. 23.93.02 Division No. 11

No. Date Date Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes DON Date 6-17-69

No. Date Date Map No. Indexed Date

F.B. 2820 PG. 247

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	312	05	47	55	
			22	314	07	45	53	
			23	315	53	44	07	
			24	317	52	42	08	
			25	319	31	40	19	
			26	321	27	38	33	
			27	323	01	36	59	
			28	325	17	34	43	
			29	326	38	33	12	
			30	328	44	31	16	
			31	330	23	29	37	
			32	331	56	28	04	
			33	333	54	26	06	
			34	337	02	22	58	
		9:54	35	339	09	20	51	

F. B. 2820 PG. 248

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

Survey of Date Date No. X-Sec.

Survey by G. I. GALLI Notes Chkd. Checked

Indexed Date Date No.

76-L-298 CE 307 5-66

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA. 1126+65.05		
	Sight on N-115				105° 16' Lt.	
T.P.				8.87	T.P. Cont. from STA. 1124+05.91	
T.P.				8.19	T.P. 1"x2" @ STA. Sand	
				11.7	22' Rt. Brk	Sand
				11.5	45' Rt.	"
	-004	5.48		5.52	20' Lt. 1"x2" Sand.	
		"			⊼ AT 1118+87.63 SIGHT ON N115	
			176	-12.1	∡ #1 36° 01	
			168	-11.3	2 33 11	
			160	-10.5	3 29 32	
			141	-8.6	4 26 14	
			132	-7.7	5 22 45	
			105	-5.0	6 19 05	
			102	4.7	7 16 30	
			77	-2.2	8 13 25	
			58	-0.3	9 8 35	
			36	1.9	10 5 02	
			09	4.6	24 FT LEFT M.H.T.	
			05	5.0	20 " " SAND	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2300112 Division No. 11 F.B. 2820 Pg. 249
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed C. L. GALLI Date JUN 25 '69

F. B. 2820 PG. 250 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

76-L-298 CE 307 5-66

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

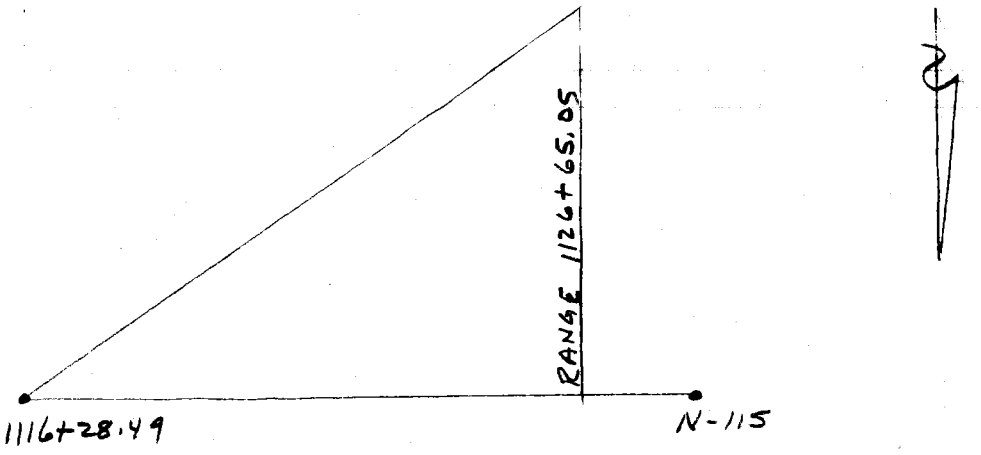
STATION	B. S.	H. I.	F. S.	ELEV.

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 2820 Pg. 251

X-Sec. No. _____ Date _____ Date _____ Survey of MALIBU HYDRO SURVEY

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-17-69

Date _____ Date _____ Map No. _____ Indexed D. G. GALLI Date JUN 25 [illegible]



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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	For Office Use Only Line Min.	Card No
1116+28	N-115	10:02	1	297	21	62	39	
			2	298	56	61	04	
			3	300	27	59	33	
			4	302	12	57	48	
			5	303	38	56	22	
			6	305	10	54	50	
			7	307	13	52	47	
			8	309	12	50	48	
			9	311	11	48	49	
			10	312	48	47	12	
			11	314	37	45	23	
			12	315	56	44	04	
			13	317	58	42	02	
			14	319	40	40	20	
			15	321	33	28	27	
			16	323	39	26	21	
			17	325	07	24	53	
			18	326	22	23	38	
			19	328	53	21	07	
			20	330	01	19	59	

76S420A - CE 353A - Cdb 9-62

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.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	331	50	28	10	
			22	334	01	25	59	
			23	336	00	24	00	
			24	337	52	22	08	
			25	339	30	20	30	
			26	341	23	18	37	
			27	343	28	16	32	
			28	344	53	15	07	
		10:07	29	345	57	14	03	

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

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Job No. ____ Division No. SAME

Notes ____ Date ____

Survey of ____

Survey by [redacted]

Indexed ____

F. B. 2820 Pg. 252

76-L-298 CE 307 5-66

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 1129+24.19			
	Sight on N-115				105°16' Lt	
T.P.				8,19	T.P. Cont. from STA. 1126+65.05	
T.P.				6,87	T.P. 1"x2" @ STA. Sand,	
				10,0	25' Rt. Sand,	
				13,6	50' Rt. "	
				3,7	25' Lt. Sand	
					⊼ AT 1118+87.63	SIGHT ON N115
	-022	665		687		
			20	46	17 FT LEFT M.H.T.	
			40	26	A #1 2° 44'	
			61	05	2 4 52	
			68	-02	3 6 07	
			87	-21	4 9 48	
			102	-36	5 12 34	
			117	-51	6 14 34	
			172	-106	7 17 50	
			174	-108	8 20 03	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 PG. 253
Date ____ Date ____ Survey of Malibu Area - Hyd. Survey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date JUN 25 [illegible]

F. B. 2820 PG. 254 Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chk'd. 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.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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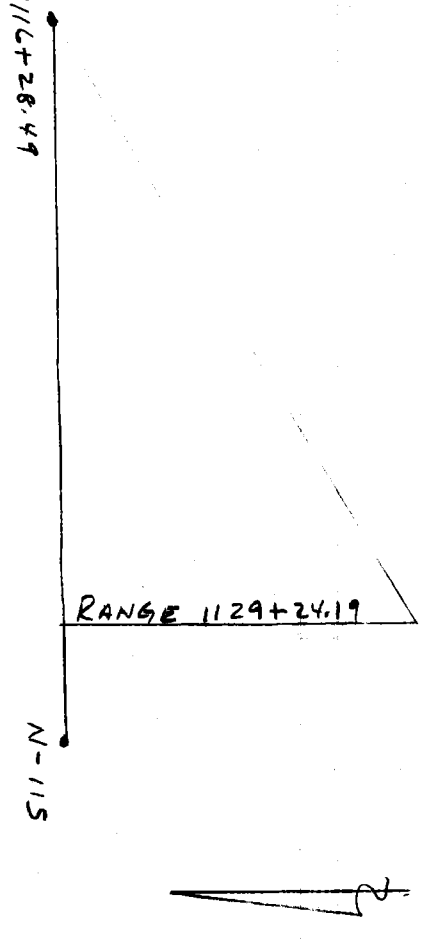
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1116+28	N-115	10:15	1	303	22	56	38	
			2	304	42	55	18	
			3	306	13	53	47	
			4	307	44	52	16	
			5	309	29	50	31	
			6	310	57	49	03	
			7	312	28	47	32	
			8	314	00	46	00	
			9	315	26	44	34	
			10	316	47	43	13	
			11	318	22	41	38	
			12	320	00	40	00	
			13	321	20	38	40	
			14	322	55	37	23	
			15	324	08	35	52	
			16	325	36	34	24	
			17	326	50	33	10	
			18	328	13	31	47	
			19	329	36	30	24	
			20	331	07	28	53	



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2820 Pg. 255
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRA SURVEY
Notes Chkd. ____ Checked ____ Survey by RICHARD Notes by DON Date 6-17-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	332	08	27	52	
			22	334	10	25	50	
			23	335	29	24	31	
			24	336	44	23	16	
			25	338	24	21	36	
			26	339	25	20	35	
			27	340	15	19	45	
			28	342	05	17	55	
			29	343	15	16	45	
			30	344	16	15	44	
			31	344	48	15	12	
			32	345	36	14	24	
			33	346	23	13	37	
			34	347	10	12	50	
			35	348	06	11	54	
			36	348	59	11	01	
			37	349	50	10	10	
		10:21	38	350	47	9	13	

F. B. 2820 Pg 256

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

Survey of Date Date No. X-Sec.

Survey by G. L. GALLI Notes Notes Chkd. Checked

Indexed Date Date No.

76-L-298 CE 307 5-66

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA. 1131+83.33		
	SIGHT ON N-115				105°16' Lt.	
T.P.				6.87	T.P. CONT. from STA 1129+24.19	
T.P.				6.07	T.P. 1"x2" @ STA. Sand.	
				11.7	43' Rt. Sand.	
				15.9	98' Rt. BOT. Bank	
				28.8	125 Rt. Top Bank	
				13.01	TBM. #68 EL. 1301 FB 3790-131 BT. spk. in Top pile @ S.E. Cor. Ho. #24709	
					⊼ AT 1118+87.63 SIGHT ON N115	
	030	6 37		6 07		
			164	-10 0	∡ 1 2	17° 02
			146	-8 2	2 3	14 44
			142	-7 8	3 4	12 38
			106	-4 2	4 5	10 12
			96	-3 2	5 6-7	7 49
			73	-0 9	6 8	5 44
			66	-0 2	54 FT LEFT	
			18	4 6	14 " " M. H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300-[illegible] Division No. 11 F.B. 2820 PG. 257
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Hydr. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed C. L. GALLI Date JUN 25 '69

F. B. 2820 PG. 258 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ 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.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

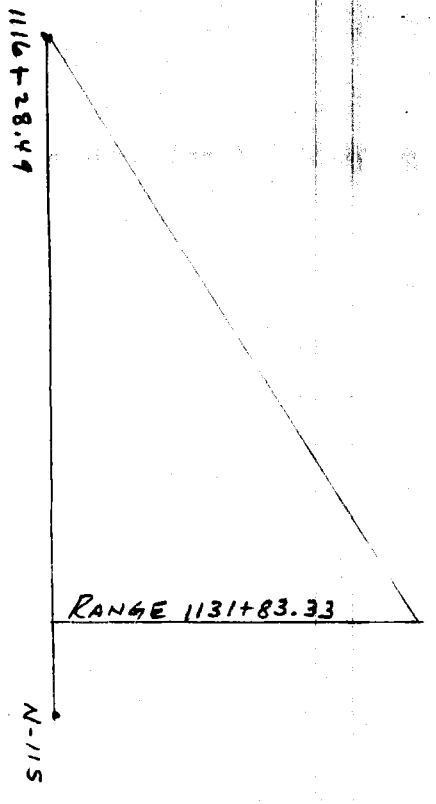
76S420A - CE 353A - Cdb 9-62

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.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1116+28	N-115	10:29	1	310	58	49	02	
			2	312	30	47	30	
			3	313	41	46	19	
			4	314	48	45	12	
			5	315	53	44	07	
			6	317	18	42	42	
			7	318	40	41	20	
			8	320	06	39	54	
			9	321	40	38	20	
			10	323	24	36	36	
			11	324	58	35	02	
			12	326	21	33	39	
			13	328	01	31	59	
			14	329	41	30	19	
			15	331	00	29	00	
			16	332	28	27	32	
			17	333	50	26	10	
			18	335	11	24	49	
			19	336	35	23	25	
			20	338	15	21	45	



Profile Notes Red. Plotted. Job No. 0300 02 Division No. 11 F.B. 2820 Pg. 259
No. Date. Date. Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. Checked. Survey by RICHARDS Notes DON Date 6-17-69
No. Date. Date. Map No. Inferred [illegible] Date [illegible]

F. B. 2820 Pg. 260 Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date

Survey by Notes Notes Chkd. Check

Indexed C. L. GALLI Date Date Date

			22	340	36	19	24	
			23	341	44	18	16	
			24	342	39	17	21	
			25	343	43	16	17	
			26	344	17	15	43	
			27	344	48	15	12	
			28	347	02	12	58	
			29	347	48	12	12	
			30	348	42	11	18	
			31	350	23	9	37	
			32	351	26	8	34	
		10:35	33	352	17	7	43	

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0300.02 Tape — Std — °F
Office Work	Surveyed by RICHARDS
Checked	Notes UHARRIET Date 6-17-69
Date	Indexed C. J. GALLI JUN 25 '69

F. B. 2820 PG. 261

TIDE GAGE READINGS
JUNE 17, 1969
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	-0.3
6:30	-0.1
7:00	0.4
7:30	0.6
8:00	1.1
8:30	1.4
9:00	2.0
9:30	2.2
10:00	2.6
10:30	2.8
11:00	3.0
11:30	3.1
12:00	3.2
12:30	3.1
1:00	3.0
1:30	2.9
2:00	2.7

NOTE - TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

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

Do not extend this side of this line.

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

76F309S CE#310 3-68

F. B2820 PG 262