Notes Ck'd by
Office Work
Checked
Date

Survey of HYDRO-SURVEYS
JN 0300.02 Tape Std. °F
Surveyed by W.A. RICHARDS
Notes W.A.R. Date 6-69
Indexed

F.B. 2821 PG. 5

J.N. 0300.02

HYDROGRAPHIC SURVEYS

MALIBU BEACH

SHORE PROFILES, CUT ANGLES & TIDE CHARTS
FROM 1134+42.47N
TO 1277+93.99N., INC.

CONTINUED FROM F.B. 2820

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

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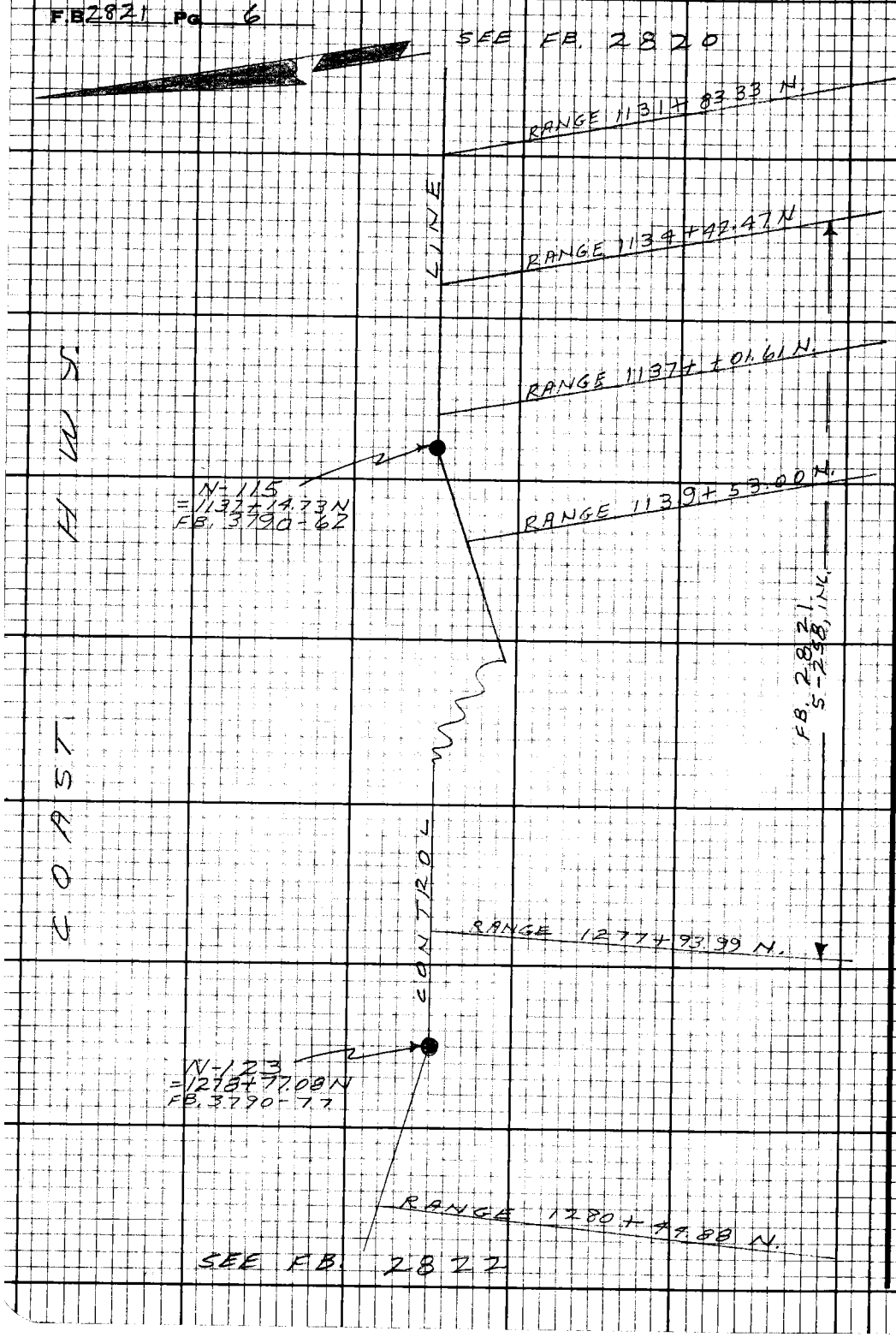
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEER BLDG.
76F3098 CE#310 9-67

F.B. 2821 Pg. 6



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

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. 1134+42.47	
	Sight on N-115				105°16' Lt.	
T.P.				6.07	T.P. Cont. from Sta. 1131+83.33	
T.P.				8.18	T.P. 1"x2" @ Sta.	Sand.
				11.2	25' Rt.	Brk. Sand
				13.0	46' Rt.	Sand under House
				5.66	20' Lt. 1"x2" Sand	
					⊼ AT 1131+83.33	SIGHT N 115
	-0.46	7.72		8.18	T.P. 1x2 ℄ STA	
			31	4.6	26 FT LEFT	M.H.T.
			50	2.7	50 FT "	SAND
			62	1.5	A #1	20 16
			87	-1.0	2	27 33
			93	-1.6	3	35 47
			107	-3.0	4	43 18
			156	-7.9	5	58 26
			123	-4.6	6	51 57
			156	-7.9	7	59 49
			173	-9.6	8	63 49

IN

DATUM
MEAN LOWER LOW WATER

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

F.B. 2821 PG. 7

F. B. 2821 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.

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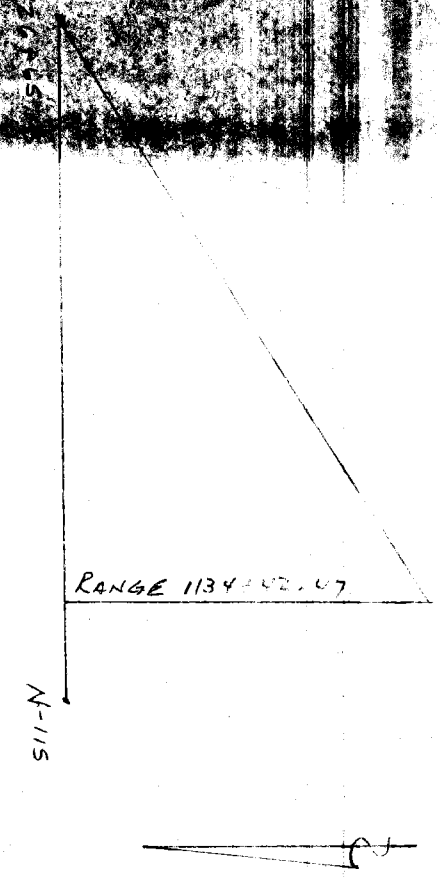
76-L-298 CE 307 5-66

1126763								
		P.S.T.	2	285	31			
			3	286	41			
			4	287	14			
			5	287	44			
			6	288	28			
			7	289	48			
			8	291	33			
			9	293	22			
			10	294	32			
			11	295	31			
			12	296	28			
			13	297	33			
			14	299	10			
			15	300	50			
			16	302	56			
			17	305	58			
			18	308	02			
			19	309	39			
			20	311	35			



Profile Notes Red. Plotted Job No. 03 00.02 Division No. 11 F. B. 2821 Pg. 9

Date Survey of MALIBU HYDRO SURVEY

Checked Survey by RICHARDS Notes DON Date 6-18-69

No. Date Map No. Indexed Date

F. B. 2821 PG. 10 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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 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	313	27			
			[illegible]	315	33			
			[illegible]	317	38			
			[illegible]	319	52			
			25	322	03			
			26	324	12			
			27	326	29			
			28	328	03			
			29	330	50			
			30	333	03			
			31	334	33			
			32	337	08			
		8:06	33	339	45			

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.

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N-115 1137+14.73

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 1137+01.61			
	Sight		on N-115		105°16' Lt.	
T.P.				8.18	T.P. Cont. from STA. 1134+42.47	
				12.14	T.P. 1"x2" @ STA. Sand,	
				13.5	10' Rt. Sand, under House	
				10.6	22' Lt. Brk. Sand	
				6.75	45' Lt. 1"x2" Sand	
T.B.M. #69				10.39	T.B.M. #69 El. 10.39 F.B. 3790-131 Bt. Spk. in Pile @ S.E. Cor. of Ho. ± 125' W. of N-115	
					★ AT 1131+83.33	SIGHT N 115
	-0 36	6 39		6 75	T.P. 45	
			18 8	-12 4	4 #1 44° 08	
			14 2	-7 8	2 38 16	
			15 6	-9 2	3 40 58	OUT
			14 7	-8 3	4 36 11	
			11 8	-5 4	5 33 37	
			10 3	-3 9	6 27 07	
			8 8	-2 4	7 22 08	
			5 2	1 2	8 13 51	
			3 8	2 6	35 FT LEFT	
			1 8	4 6	13 " " M.H.T.	

DATUM
MEAN LOWER LOW WATER

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

F.B. 2821 PG. 11

F. B. 2821 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.

Do not extend notes this side of this line.

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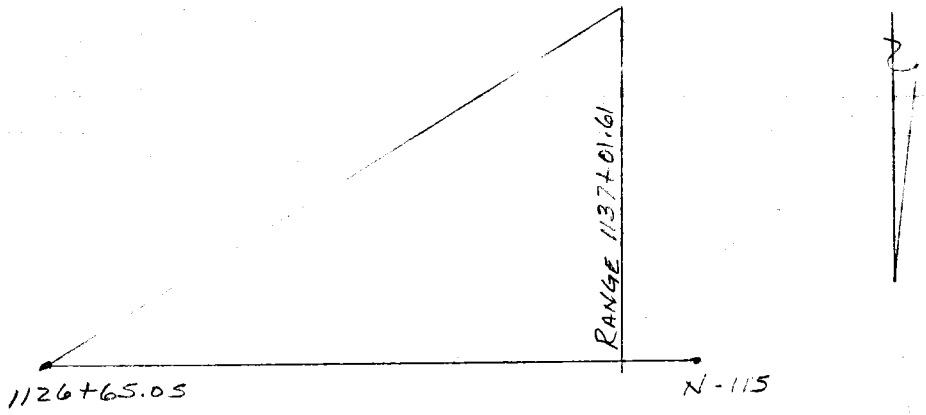
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

76-L-298 CE 307 5-66

Profile	Notes Red.	Plotted	Job No. 0200.02	Division No. 11	F. B. 2821 Pg. 13
No.	Date	Date	Survey of MALIBU HYDRO SURVEY		
X-Sec.	Notes Chkd.	Checked	Survey by RICHARDS	Notes DON	Date 6-18-69
No.	Date	Date	Map No.	Indexed	Date



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

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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					
1126+65	N-115	8:10	1	293	53			
			2	294	59			
			3	296	16			
			4	297	18			
			5	298	50			
			6	300	55			
			7	303	22			
			8	307	13			
			9	310	13			
			10	312	32			
			11	314	49			
			12	316	39			
			13	318	17			
			14	319	21			
			15	321	04			
			16	322	36			
			17	323	43			
			18	325	11			
			19	326	25			
			20	327	56			

765420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 14

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

Survey of _____ SAME Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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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.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	329	49			
			22	331	01			
			23	332	05			
			24	334	06			
			25	336	46			
			26	338	55			
			27	340	39			
		8:16	28	341	48			
			~~29~~	~~343~~				

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. 1139 + 53.00			
Sight on N-116					84°56' Lt.	
TBM #69				10.39	TBM #69 (CONT.)	
				5.90	TR 1"x2" @ STA. Sand.	
				10.7	27' Rt. Brk. Sand	
				11.7	45' Rt. @ House Sand.	
				4.23	15' Lt. 1"x2" Sand	
					⊼ AT N115 SIGHT N116	
	0.21	5.69		5.90	1x2 ℄	
			1.1	4.6	7 FT LEFT M.H.T.	
			2.6	3.7	22 " " SAND	
			4.4	1.3	⊼ #1 16° 46	
			6.2	-0.5	2 23 43	
			7.6	-1.9	3 32 28	
			11.3	-5.6	4 45 23	
			13.2	-7.5	5 47 05	
			14.5	-8.8	6 50 07	
			16.0	-10.3	7 52 09	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F. B. 2021 Pg. 15
No. ____ Date ____ Date ____ Survey of ____
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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 ____ 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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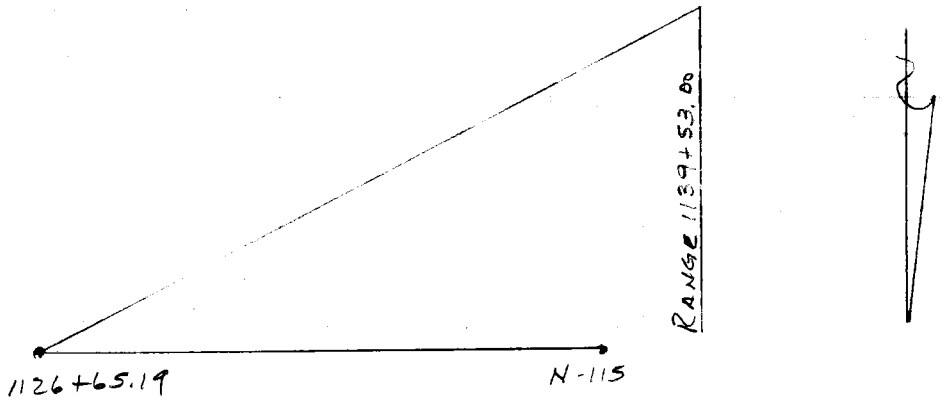
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 11	F. B. 2821	Pg. 17
No.	Date	Date	Survey of MALIBU HYDRO SURVEY			
X-Sec.	Notes Chkd.	Checked	Survey by RICHARDS	Notes DON	Date 6-18-69	
No.	Date	Date	Map No.	Indexed	Date	



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

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LOS ANGELES COUNTY 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					
1126+65	N-115	8:23	1	300	57			
			2	302	24			
			3	303	59			
			4	305	32			
			5	307	39			
			6	309	15			
			7	311	00			
			8	313	05			
			9	314	50			
			10	316	46			
			11	318	50			
			12	320	18			
			13	322	02			
			14	323	59			
			15	325	24			
			16	326	37			
			17	328	54			
			18	330	10			
			19	331	51			
			20	333	18			

765420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 18

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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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	334	22			
			22	335	45			
			23	336	52			
			24	338	16			
			25	339	28			
			26	340	31			
			27	341	27			
			28	342	55			
		8:29	29	344	20			

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. 1142+03.98	
Sight on N-116					84°56' Lt.	
T.P.				5.90	T.P. Cont. from Sta. 1139+53.[illegible]	
T.P.				6.41	T.P. 1"x2" @ Sta. Sand.	
				10.3	32' Rt. Brk. Sand	
				11.0	50' Rt. Bot. Bank	
				32.0	75' Rt. Top "	
	1 18	5 42		4 24	20 Lt. 1"x2" Sand.	
					T AT N115 SIGHT N 116	
			16 9	-11 5	X 1 33° 32'	
			13 7	-8 3	2 29 27	
			10 8	-5 4	3 25 14	
			9 5	-4 1	4 20 51	
			8 0	-2 6	5 16 24	
			7 5	-2 1	6 12 31	
			4 8	0 6	7 8 36	
			0 8	4.6	15 FT LEFT [illegible]	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 Pg. 19
No. ____ Date ____ Date ____ Survey of [illegible] Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.____

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 5-66

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

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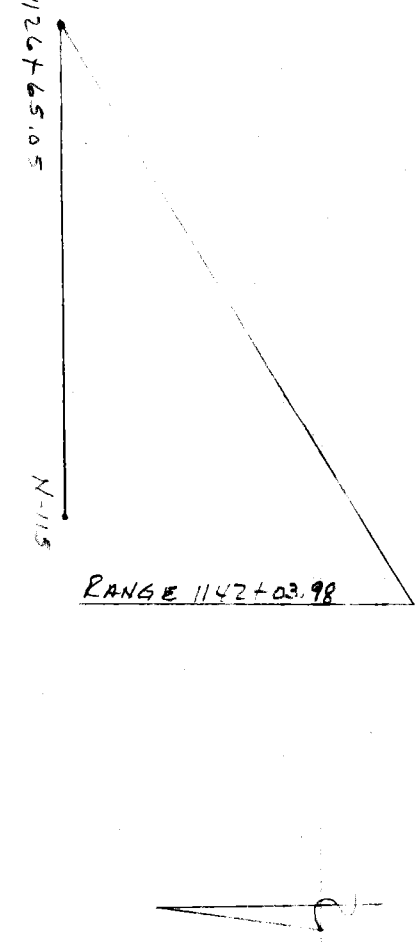
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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 Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
1126+65	N-115	8:33	1	309	03			
			2	310	44			
			3	312	12			
			4	313	44			
			5	315	39			
			6	317	05			
			7	318	52			
			8	320	35			
			9	322	46			
			10	324	37			
			11	326	38			
			12	328	34			
			13	330	31			
			14	332	04			
			15	333	18			
			16	334	38			
			17	335	47			
			18	337	45			
			19	339	09			
			20	340	48			



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 2824 Pg. 21

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

X-Sec. Notes Chkd. ____ Checked ____ Survey by DEARDS Notes DON Date 6-18-59

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

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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	37			
			22	342	13			
			23	342	46			
			24	343	24			
			25	344	07			
		8:38	26	344	44			

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

Plotted ____ Date ____ Checked ____ Date ____

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

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

Survey of ____

Survey by ____

Indexed ____

F. B. 2821 Pg. 22

SAME

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. 1144+54.96	
Sight on N-116					84°56' Lt	
TH				6.41	T.P. Cont. from Sta. 1142+[illegible]	
TH				8.52	T.P. 1"x2" @ Sta. Sand.	
				16.7	15' Rt. Brk.	Sand
				12.4	45 Rt. @ House	"
				5.23	20' Lt 1"x2" Sand	
T.B.M. #70				12.15	T.B.M. #70 El. 12.18 F.B. 3770-132 Bt. spk. in end 6' High Plank wall	
					* At N115 Sight N116	
	0.40	5.63		5.23	20 ft. 1x2 T.P.	
			1.0	4.6	3 Ft Left M.H.T.	
			3.3	2.3	40 " " Sand	
			5.2	0.4	* 1 5° 41'	
			4.6	1.0	2 7 35 Rock Shelf	
			5.7	-0.1	3 9 14 "	
			7.3	-2.7	4 11 14 Pack "	
			9.5	-3.9	5 13 58	
			11.6	-5.0	6 16 00	
			9.0	-3.4	7 19 52	
			12.6	-7.0	8 23 33	

DATUM
MEAN LOWER LOW WATER

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

FB 821 PG. 23

F.B. 2821 PG. 24 | 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.

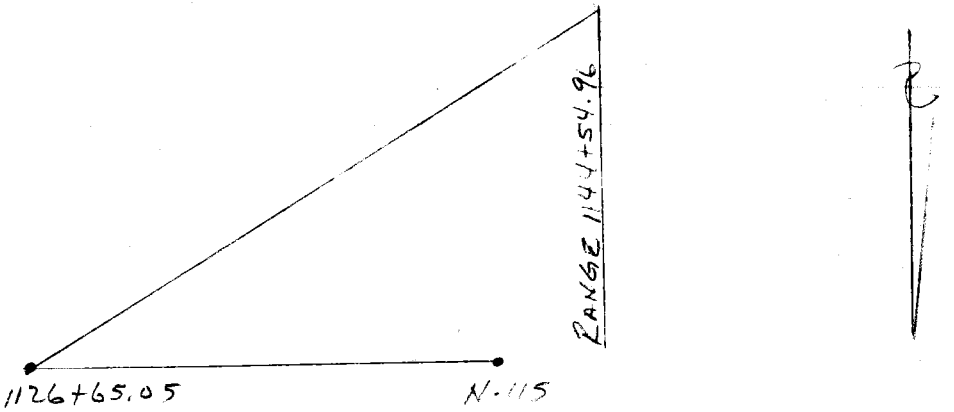
STATION	B. S.	H. I.	F. S.	ELEV.	
					25° 53'
					NO ANGLE
					"
					32° 32'

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 | F. B. 2821 Pg. 25

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

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-18-69

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



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					
1126+65	N-115	8:46		312	44			
			2	314	35			
			3	316	03			
			4	317	51			
			5	319	48			
			6	321	14			
			7	322	56			
			8	324	24			
			9	326	08			
			10	327	15			
			11	328	14			
			12	329	28			
			13	330	22			
			14	331	38			
			15	332	45			
			16	334	18			
			17	335	22			
			18	336	23			
			19	336	51			
			20	337	39			

765420A • CE 353A • Cdb 9-62

F. B. 2824 PG. 26 | 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	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					
		8:50	2	338	30			

Do not extend notes this side of this line.

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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.

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-116 1148+37.93

STATION	B. S.	H. I.	F. S.	ELEV.		
					STA. 1147+05.94	
					Sight on N-116	84°56' Lt.
TBM #70				12.15	TBM #70 Cont.	
T.P.				8.91	T.P. 1"x2" @ STA.	Sand
				12.1	32' Rt.	Sand
				13.6	48' Rt	" under House
	+0.26	5.67		5.93	20 Lt. 1"x2" Sand	
		7	17.9	-12.2	4 #1 30° 53'	↑ AT 1139+53.00
		ESTIM.	21.1	-15.4	2 29 31	SIGHT ON N-116
			16.8	-11.1	3 28 01	
			15.6	-9.9	4 26 42	
			14.2	-8.5	5 24 40	
			14.2	-8.5	6 21 26	
			9.0	-3.3	7 17 35	
			8.6	-2.9	8 15 27	OUT [illegible]
			6.7	-1.2	9 10 28	
			4.3	0.9	10 6° 57'	
			3.1	2.6	50 FT LEFT	
			1.1	4.6	29 " " M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG. 27
X-Sec. No. ____ Date ____ Date ____ Survey of Calabu Area - Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 28 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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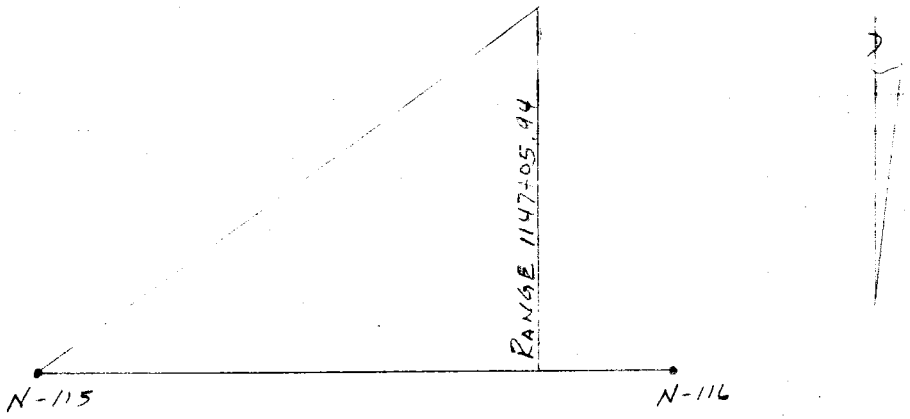
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 2821 Pg. 29

Date _____ Date _____ Survey of MALIBU HYDRO SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-18-69

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



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					
N-115	N-116	9:05	1	313	50			
			2	315	12			
			3	316	15			
			4	317	31			
			5	318	31			
			6	320	00			
			7	321	23			
			8	323	09			
			9	324	15			
			10	325	10			
			11	326	25			
			12	327	57			
			13	329	02			
			14	330	10			
			15	330	53			
			16	332	43			
			17	333	45			
			18	334	54			
			19	337	56			
			20	339	14			

76S420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 30

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

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

Survey by _____ 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	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					
			21	340	42			
			22	341	20			
			23	342	31			
		9:09	24	342	16			

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. 1149+57.66	
	Sight on N-117					98°09' Lt
T.P.				8.91	T.P. Cont. from STA. 1147+05.94	
T.P.				11.04	T.P. 1"x2" @ STA. Sand	
				12.0	9 Rt. Brk Sand	
				13.3	25 Rt. @ House "	
				10.9	15' Lt. Brk Sand	
	[illegible]	9.97		7.70	50' Lt 1"x2" "	
		[illegible]	3.8	6.2	[illegible]	
			6.9	3.1	110 FT "	
	0.98	5.34	5.61	4.36	T.P.	T.P. 1154+62.76 SIGHT [illegible]
			3.5	1.8	1 4° 26'	ABOUT [illegible]
			4.6	0.7	2 18° 12	[illegible]
			8.7	-3.4	3 35 15	[illegible]
			17.8	-12.5	4 37 51	BOTTOM IRREGULAR & ROCKY
		ESTIMATE	20.[illegible]	-14.7	5 38 30	
	4.72	6.76	3.30	2.04	T.P.	
					CONT. TO STA 1152+10.21	

BAD SURF

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 31
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 ____ Date ____

F. B. 2821 PG. 32

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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76L298 307 Cdb 12-62

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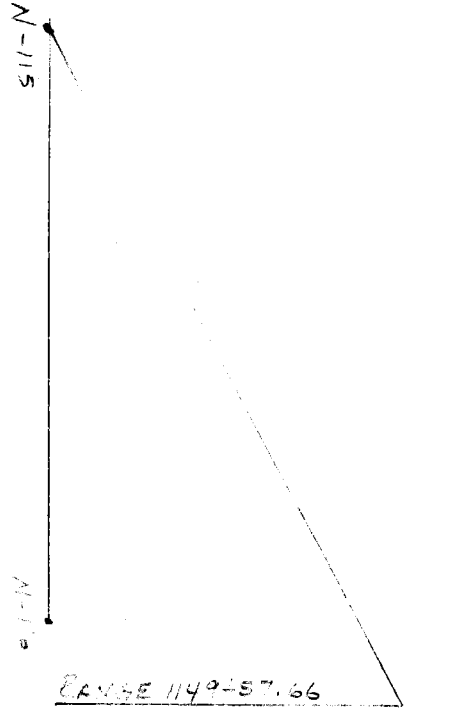
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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-115	N-116	9:16	1	320	53			
			2	323	26			
			3	324	36			
			4	325	45			
			5	326	36			
			6	327	18			
			7	328	14			
			8	329	30			
			9	330	21			
			10	331	14			
			11	332	25			
			12	333	38			
			13	334	34			
			14	335	35			
			15	336	41			
			16	337	36			
			17	337	57			
			18	339	21			
			19	340	13			
			20	341	31			



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

No. ____ Date ____ Date ____ Survey of MULLEN HILLS SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DAW Date 6-12-09

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

F.B. 2821 PG. 33

F. B. 2821 PG. 34 | 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. ____

SAME

761.298 307 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.	Range Line Min.	Card No.
		9:20	22	343	26			
			21	342	38			

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 6-18-69
Date	Indexed

F. B. 2821 PG. 35

TIDE GAGE READINGS
JUNE 18, 1969
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	-0.4
6:30	-0.3
7:00	0.0
7:30	0.3
8:00	0.6
8:30	1.0
9:00	1.4
9:30	1.8
10:00	2.1
10:30	2.4
11:00	2.7
11:30	2.9
12:00	3.1
12:30	3.1
1:00	3.0
1:30	3.0
2:00	2.9

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.

76F3095 CE#310 3-68

F. B. 2821 PG. 36

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Note: Any Additions or Changes of 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

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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. 1152+10.21		
	Sight on N-117				98°09' Lt.	
T.P.				11.04	T.P. Cont. from Sta. 1149+57.66	
T.P.				11.05	T.P. 1"x2" @ Sta. Sand	
				11.8	10' Rt. Sand	
				13.5	22' Rt. "	
				15.4	45' Rt. Bot. Bank	
				28.2	73' Rt. Top "	
				10.1	35' Lt. Brk. Sand	
				7.86	56' Lt. 1"x2" Sand.	
					⊼ AT 1154+62.76 Sight N 116	
		6.76			CONT. FROM STA. 1149+57.66	
			155	-8.7	Δ #1 55' 36	
			178	-11.0	2 52 05	ROCKY
			158	-9.0	3 51 28	
			153	-8.5	4 47 30	
			98	-3.0	5 43 16	
			86	-1.8	6 37 34	DATUM MEAN LOWER LOW WATER
			79	-1.1	7 31 50	BAD SUR.
			63	0.5	8 25 55	
			46	2.2	9 19 29	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of [illegible]
Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey by [illegible] Notes ____ Date ____
Map No. ____ Date ____ Indexed ____ Date ____

F. B. 2871 Pg. 37

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.		
		6 76			CONT.	
			2 2	4 6	73 FT LEFT M.H.T.	
	5 68	11 27	1 17	5 59	T.P	
			3 43	7 84	T.P. 1X2 50 FT LEFT	ELEV 7.86

F. B. 2821 PG. 38

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

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

Survey of ____ Notes Chk'd. ____ Checked ____

Survey by ____ Notes ____ Date ____

Indexed ____ Date ____ Date ____

76L298 307 Cdb 12-62

PLEASE RETURN TO

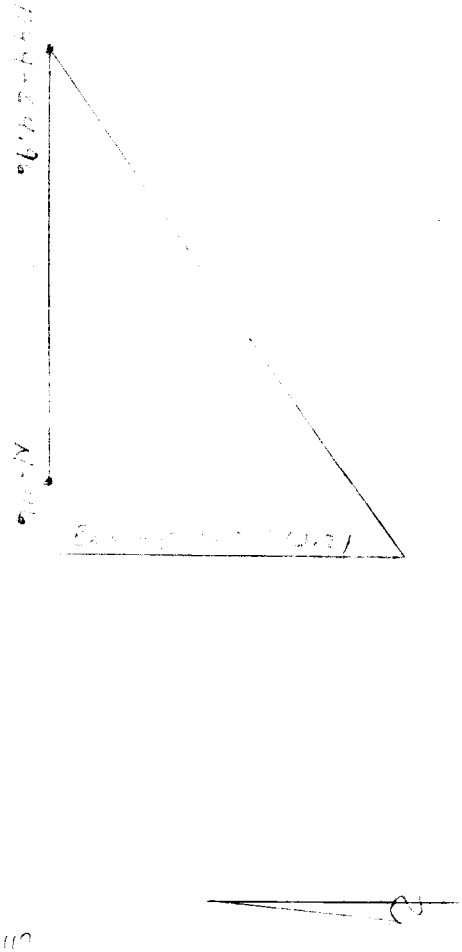
LOS ANGELES COUNTY SURVEYOR

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 DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1144+55	N-16	7:42		305	22			
		PST	2	306	53			
			3	307	53			
			4	308	48			
			5	309	39			
			6	310	38			
			7	311	31			
			8	312	27			
			9	313	27			
			10	314	26			
			11	316	15			
			12	317	41			
			13	318	43			
			14	320	11			
			15	321	35			
			16	322	56			
			17	324	39			
			18	324	49			
			19	326	13			
			20	326	44			



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of

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

No. Date Date Map No. Indexed Date

F. B. 2821 Pg. 39

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	38			
			22	328	49			
			23	329	08			
			24	330	26			
		7:45	25	331	05			

F. B. 2821 PG. 40

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

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

Survey by ____ Notes ____ Notes Chkd. ____ Checked ____

Indexed ____ 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. 1154+62.76
					Sight on N-117 98°09' Lt.
				11.05	T.P. Cont. from Sta. 1152+10.21
T.P.				10.65	T.P. 1"x2" @ Sta. Sand.
T.P.				11.2	31' Rt. Sand.
				13.3	Rt. under House Sand
				10.2	10' Lt. Brk Sand
				5.30	45' Lt. 1"x2" "
TBM #71				14.40	TBM #71 El. 14.40 F.B. 3770-132
					Bt. spk in Pile @ SW. Cor. 1 Story Bldg. House
					⊼ at 1152+10.21 SIGHT ON N117
	1 08	11 73		10 65	T.P. 1x2 ℄ STA.
	0 24	5 00	6 97	4 76	
			04	4 6	49 FT LEFT M.H.T.
			34	1 6	⊼ #1 17° 25
			49	0 1	2 20 47
			55	-0 5	3 33 15
			72	-2 2	4 43 10
			82	-3 2	5 48 10
			80	-3 0	6 53 25

DATUM
MEAN LOWER LOW WATER

CONT

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 41
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Mtn. Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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.		
		5 00			CONT	
			12 3	-7 3	X #7	58° 32'
			14 7	-9 7	8	63 48'
	0 96	5 29	0 67	4 33	T.P	
			CON TO STA. 1157 + 15.31			

F. B. 2821 PG. 42

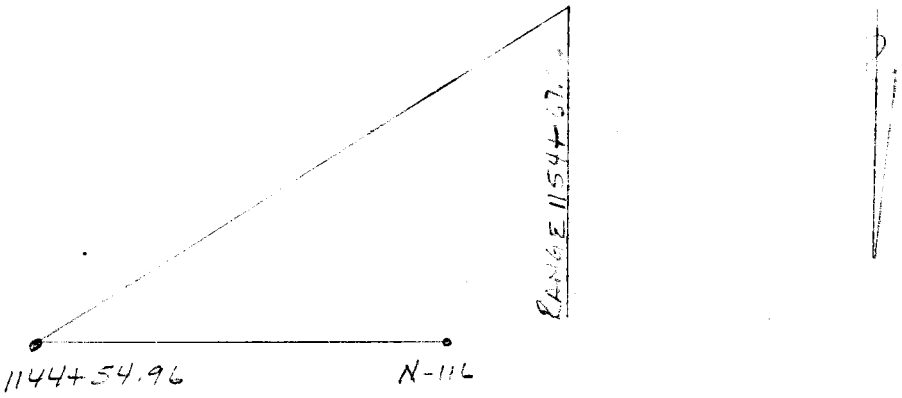
Job No. ____ Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of ____ Date ____ Date ____ No. ____
Survey by ____ Notes ____ Notes Chk'd. ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ No. ____

Profile No. _____ Notes Red. _____ Plotted _____ Job No. [illegible] Division No. _____ F. B. 2821 Pg. 43

Date _____ Date _____ Survey of [illegible] SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by [illegible] Notes [illegible] Date 6-19-69

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



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]	[illegible]	7:51	1	314	12			
			2	315	36			
			3	316	40			
			4	317	57			
			5	318	8			
			6	320	36			
			7	321	45			
			8	323	05			
			9	324	20			
			10	325	37			
			11	326	47			
			12	328	08			
			13	329	20			
			14	330	51			
			15	332	06			
			16	333	28			
			17	334	53			
			18	336	14			
			19	337	38			
			20	338	35			

76L298 307 Cdb 12-62

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.

F. B. 2821 PG. 44 Job No. Division No. Notes Red. Plotted Profile No.

Survey of Date Date X-Sec. No.

Survey by Notes Notes Chkd. Checked

Indexed Date Date

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	340	33			
			22	341	37			
			23	342	52			
			24	344	29			
			25	345	14			
			26	347	05			
			27	348	04			
			28	349	31			
			29	350	10			
		7:55	30	351	43			

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.

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of ____
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 45

STATION	B. S.	H. I.	F. S.	ELEV.			
				Sta 1157+15.31			
		Sight on N-117				98°09' Lt.	
T.B.M. #71				14.40	T.B.M. #71 (Sand)		
				10.20	T.P. 1"x2" @ Sta.		Sand
				11.9	21' Rt.		Sand
				15.7	77' Rt. Bot. Bank		
				21.8	98' Rt. Top "		
				6.06	3' Lt. 1"x2" Sand (out)		
					⊼ AT 1152+10.21 Sight on N 117		
		5.29			CONT. FROM STA. 1154+62.76		
			200	- 14.7	⊼ #1	43°	56'
			162	- 10.9	2	38	42
			129	- 9.6	3	34	00
			113	- 6.0	4	29	50
			123	- 7.0	5	27	50
			80	- 2.7	6	24	04
			60	- 0.7	7	17	02
			28	2.5	55 FT LEFT		
			07	4.6	36 " "	M.H.T.	
	687	11.36	080	4.29	T.P.		
			104	10.32	T.P. 1x2 ℄ STA.	10.30	

F. B. 2821 Pg. 46 | 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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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

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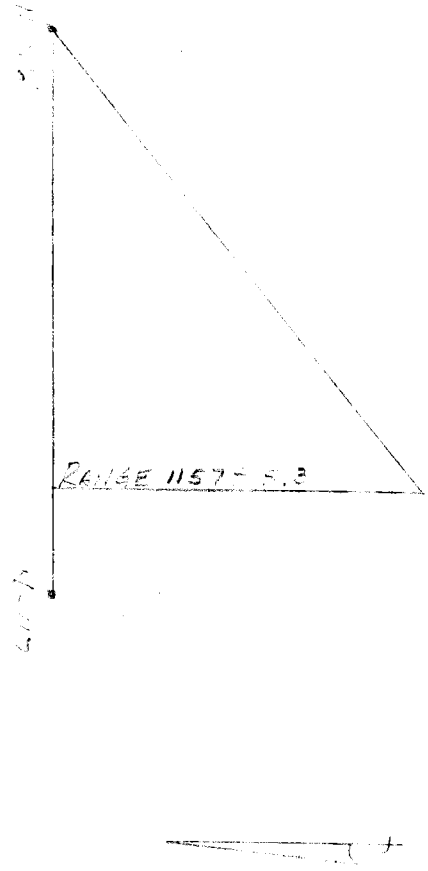
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-116	N-117	8:07	1	301	01			
			2	302	17			
			3	303	17			
			4	304	30			
			5	305	33			
			6	306	48			
			7	308	00			
			8	309	20			
			9	310	46			
			10	312	07			
			11	313	36			
			12	314	57			
			13	316	28			
			14	317	08			
			15	319	47			
			16	321	24			
			17	322	51			
			18	324	08			
			19	325	36			
			20	326	52			



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

X-Sec. No.____ Date____ Date____ Survey of

Notes Chkd.____ Checked____ Survey by____ Notes____ Date____

Date____ Date____ Map No.____ Indexed____ Date____

F. B. 2821 PG. 47

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	328	26			
			22	329	30			
			23	330	59			
			24	332	25			
			25	333	36			
			26	335	10			
			27	336	27			
			28	337	53			
			29	339	27			
		8:11	30	340	10			

F. B. 2821 PG. 48

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. ____

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. 1159+67.86		
	Sight on N-117				98°09' Lt.	
T.P.				10.20	T.P. Cont. from STA. 1157+15.31	
T.P.				9.48	T.P. 1"x2" @ STA. Sand.	
				11.4	40' Rt. Sand water [illegible]	
	-074	5 73		6.97	25' Lt. 1"x2" ~~Sand.~~	
			00	5 7	25 " SAND,	
			11	4 6	34 FT LEFT M.H.T.	
			32	25	55 " " SAND	
			52	05	4" 1 8° 03' ~~A~~ AT 1152+10.21 SIGHT ON 1117	
			64	-07	2 11 12	
			85	-28	3 16 11	
			94	-37	4 18 34	
			117	-60	5 23 12	
			140	-83	6 26 07	
			178	-121	7 30 16	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG. 49
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Area Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 50 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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NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

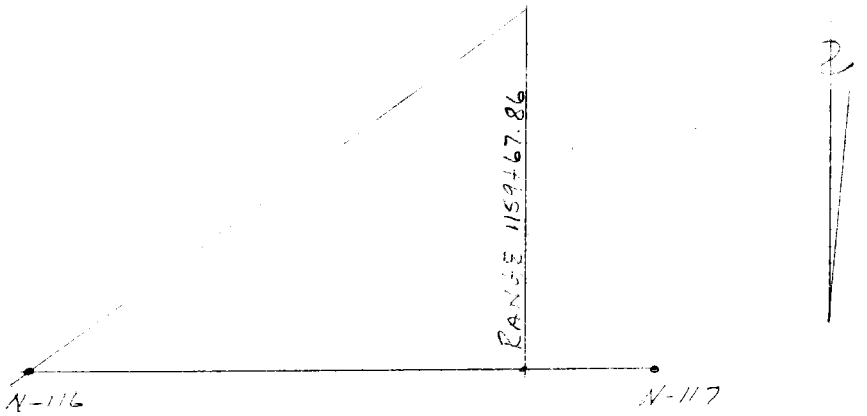
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0200.02 Division No. _____ F. B. 2821 PG. 51

Date _____ Date _____ Survey of MALIBU HYDRO SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-19 69

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



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]	[illegible]	8:17	1	304	55			
			2	306	18			
			3	307	23			
			4	308	31			
			5	309	49			
			6	310	58			
			7	312	16			
			8	313	42			
			9	314	49			
			10	316	17			
			11	317	31			
			12	318	39			
			13	319	59			
			14	321	15			
			15	322	37			
			16	323	57			
			17	325	51			
			18	327	36			
			19	328	51			
			20	330	19			

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. 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	54			
			22	333	16			
			23	334	24			
			24	335	32			
			25	336	45			
			26	337	43			
			27	338	39			
			28	339	46			
			29	341	08			
			30	341	58			
			31	343	16			
			32	344	22			
		8:22	33	345	53			

F. B. 2821 PG. 52

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. ____

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. 1162+20.41		
	Sight on N-117				98°09'Lt	
T.P.				9.48	T.P. Cont. from Sta. 1159+67.86	
T.P.				8.52	T.P. 1"x2" @ Sta.	Sand,
				10.9	13' Rt.	Brk Sand,
				11.6	50' Rt	under Horse
				5.56	20' Lt. 1"x2" Sand.	
T.B.M. #72				13.94	T.B.M. #72 El. 13.94 F.B. 3790-132 Top Nut To Tie Bolt thru Pile	S.W. Cor. 2 Story Yellow Stucco Apart.
					⊼ At 1157+15.31	SIGHT ON N117
	047	603		5.56	T.P. 1x2 20 FT LEFT	
			14	46	25 FT LEFT	M.H.T.
			188	-128	A #1 41° 27'	
			160	-100	2 35 52	
			112	-52	3 31 15	
			140	-80	4 32 40	OUT
			105	-45	5 28 35	
			83	-23	6 27 27	
			81	-21	7 21 24	
			68	-08	8 17 08	
			58	02	9 12 49	

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 53
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 54

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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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.	
		6 03			CONT.
			33	27	40 FT LEFT SAND
			08	52	20 " "

76L298 307 Cdb 12-62

PLEASE RETURN TO

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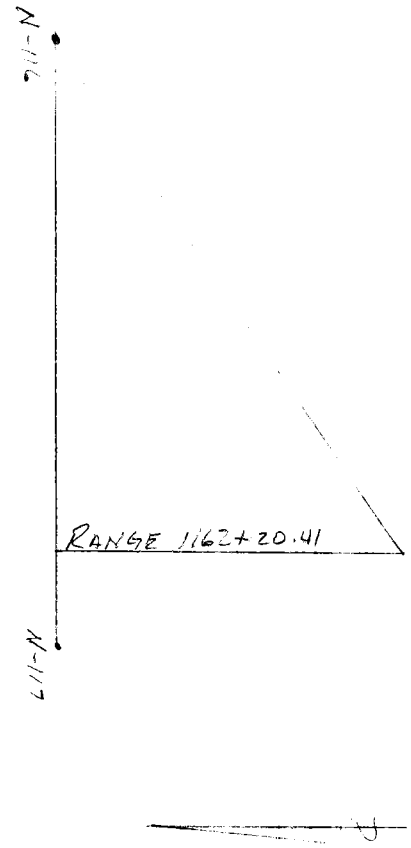
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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-116	[illegible]	8:27	1	311	01			
			2	311	59			
			3	313	14			
			4	314	18			
			5	315	38			
			6	316	35			
			7	318	01			
			8	319	36			
			9	321	01			
			10	322	18			
			11	323	39			
			12	325	15			
			13	326	32			
			14	327	58			
			15	329	27			
			16	331	08			
			17	332	48			
			18	334	30			
			19	335	51			
			20	336	56			



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

X-Sec. No.____ Date____ Date____ Survey of [illegible]

Notes Chkd.____ Date____ Checked____ Date____ Survey by [illegible] Notes [illegible] Date [illegible]

Map No.____ Indexed____ Date____

F. B. 2821 PG. 55

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	337	49			
			22	338	54			
			23	339	42			
			24	340	52			
			25	341	32			
			26	342	45			
			27	343	24			
			28	344	37			
			29	345	07			
			30	346	06			
		8:31	31	346	54			

F. B. 2821 PG. 56

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

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

Survey by ____ Notes ____ Notes Chkd. ____ Checked ____

Indexed ____ Date ____ Date ____ Date ____ No. ____

SAME

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. 1164+72.96
					Sight on N-117 98°09' Lt.
T.B.M. #70				13.94	T.B.M. #70 Cont.
T.P.				7.85	T.P. 1"x3" @ Sta. Sand.
				11.2	18' Rt.
				11.8	50' Rt. under House Sand
	068	6 81		6.13	15' Lt. 1"x2" Stake.
					↑ AT 1162+20.41 S164 N117
			22	46	27 FT LEFT M.H.T.
			39	29	X* 1 10° 39
			54	14	2 18 22
			69	-01	3 25 57
			82	-14	4 36 06
			99	-31	5 44 32
			114	-46	6 49 50
			142	-74	7 56 14
			164	-96	8 58° 53'
	168	643	206	475	T.P.
					CONT. TO 1167+72.71

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG. 57
No. ____ Date ____ Date ____ Survey of ____ Notes ____ Date ____
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 58 | 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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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.

76L296 307 Cdb 12-62

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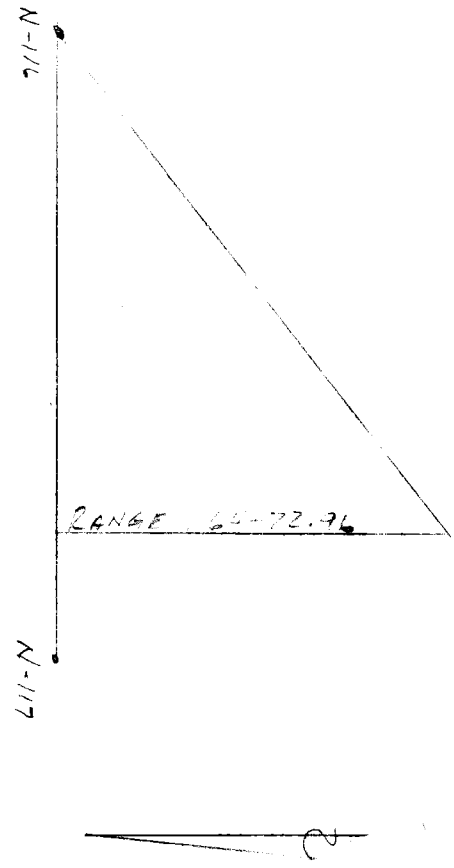
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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-116	N-117	8:37	1	315	45			
			2	317	06			
			3	318	45			
			4	320	14			
			5	321	30			
			6	323	04			
			7	324	32			
			8	326	06			
			9	327	20			
			10	328	57			
			11	330	08			
			12	331	32			
			13	332	11			
			14	332	44			
			15	333	40			
			16	334	42			
			17	335	33			
			18	336	32			
			19	337	22			
			20	338	39			



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

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of____ Survey by____ Map No.____ Notes____ Indexed____ Date____ Date____

F. B. 2821 PG. 59

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	339	34			
			22	340	52			
			23	341	47			
			24	342	56			
			25	344	00			
			26	345	00			
			27	346	03			
			28	346	45			
			29	347	42			
			30	348	06			
			31	349	14			
		8:42	32	349	34			

F. B. 2821 PG. 60

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

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

Survey by ____ Notes ____ Notes Chkd. ____ Checked ____

Indexed ____ Date ____ Date ____ Date ____ No. ____

SAME

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. 1167+25.51

Sight on N-117 98°09' Lt.

7.85 T.P. Cont. from Sta. 1164+72.96

10.21 T.P. 1"x2" @ Sta. Sand (Brk.)

11.2 28' Rt. Sand

16.8 50 Rt. "

8.0 6' Lt. Sand

5.96 30' Lt. 1"x2" "

Sta 1162+20.41 Sight N117

643 CONT FROM 1164+72.96

178	-114	4 #1	41° 12'	
158	-94	2	37 53	
129	-65	3	33 12	
110	-46	4	30 04	ABOUT 2 FT OUT OF R.C.
80	-16	5	20 21	" " " IN SIDE
67	-03	6	14 32	
51	-1.3	7	11 01	
13	46	44 FT LEFT		
048	5.95	T.P. 1x2 30 FT LEFT	ELEV. 5.96	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 61
No. ____ Date ____ Date ____ Survey of Malibu Divisional Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 62 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

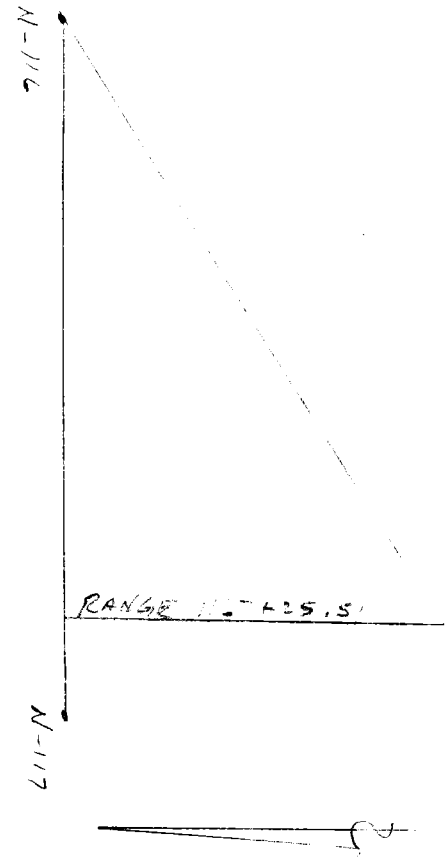
LOS ANGELES COUNTY SURVEYOR

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-116	N-117	8:51	1	320	15			
			2	321	19			
			3	322	48			
			4	323	55			
			5	325	16			
			6	326	15			
			7	327	20			
			8	328	37			
			9	329	47			
			10	331	01			
			11	332	05			
			12	333	13			
			13	334	28			
			14	335	28			
			15	336	25			
			16	337	33			
			17	338	30			
			18	339	15			
			19	339	58			
			20	340	20			



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

X-Sec. No.____ Date____ Date____ Survey of____ Notes____

Notes Chkd.____ Checked____ Survey by____ Date____

Date____ Date____ Map No.____ Indexed____ Date____

F. B. 2821 PG. 63

76L298 307 Cdb 12-62

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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. 2821 Pg. 64

Survey of

Survey by

Indexed

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	341	10			
			22	342	09			
			23	342	51			
			24	343	35			
			25	344	17			
			26	345	04			
			27	345	35			
			28	346	46			
			29	347	20			
			30	348	24			
			31	348	57			
			32	349	25			
			33	350	10			
		8:56	34	350	35			

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. 1169+78.06		
	Sight on N-117				98°09' Lt	
T.P.				10.21	T.P. Cont. from Sta. 1167+25.51	
T.P.				11.58	T.P. 1"x2" @ Sta. Sand Pile	
					Rt. [illegible]	
				7.39	[illegible]	
T.B.M. #73				13.41	T.B.M. #73 El. 13.41 FB 3770-132 Bt. [illegible] Pile @ S.E. Cor. 1 Story Stucco Hs. - White	
					☆ 1162+20.41	SIGHT N117
	0.20	7.19		7.39	T.P. 30 FT LEFT N2	
			26	4.6	50 FT. LEFT M.H.T.	
			56	1.6	∆ #1 6° 19'	
			76	0.4	2 8 15	
			76	-0.4	3 10 10	
			89	-1.7	4 12 36	
			106	-3.4	5 15 57	
			118	-4.6	6 19 42	
			144	-7.2	7 23 03	
			174	-10.2	8 25 55	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 65
No. ____ Date ____ Date ____ Survey of [illegible] Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 66 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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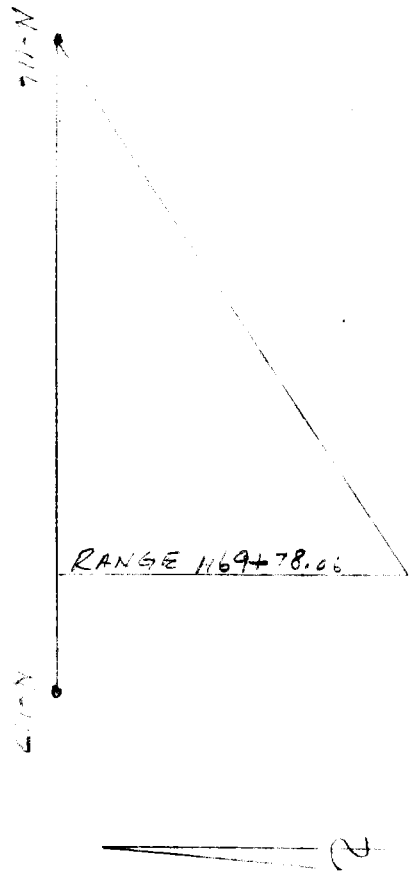
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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-116	N-117	9:02	1	325	20			
			2	326	21			
			3	327	20			
			4	328	16			
			5	329	02			
			6	329	50			
			7	331	01			
			8	332	07			
			9	333	19			
			10	334	52			
			11	335	40			
			12	336	27			
			13	337	13			
			14	338	00			
			15	339	08			
			16	340	02			
			17	340	52			
			18	341	39			
			19	342	38			
			20	343	31			



Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. ____

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

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

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

F. B. 2821 PG. 67

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.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	344	23			
			22	345	03			
			23	346	09			
			24	347	04			
			25	347	43			
			26	348	39			
			27	349	05			
			28	349	60 ⊙			
			29	350	24			
			30	351	03			
		9:07	31	351	18			

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. SAME

Job No. Notes Date

F. B. 2821 Pg. 68

Survey of

Survey by

Indexed

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 1172+30.61		
	Sight on N-117				98°09' Lt.	
T.B.M. #78				13.41	TBM #73 (Bent)	
T.P.				11.17	T.P. 1"x2" @ Sta.	Sand
				13.9	53' Lt.	@ House
	0.30	6.16		5.86	46' Lt. 1"x2" Sand	
					⊼ AT 1162+20.41	SIGHT ON N117
			17.0	-10.8	1 19° 42	
			12.0	-5.8	2 15 18	
			15.8	-9.6	3 16 52	OUT
			10.0	-3.8	4 13 23	
			9.0	-2.8	5 11 14	
			8.5	-2.3	6 10 26	
			6.7	-0.5	7 7 38	
			5.9	0.3	8 5 21	
			1.6	4.6	49 FT LEFT N.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of ____
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2821 Pg. 69

F. B. 2821 PG. 70

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

PLEASE RETURN TO

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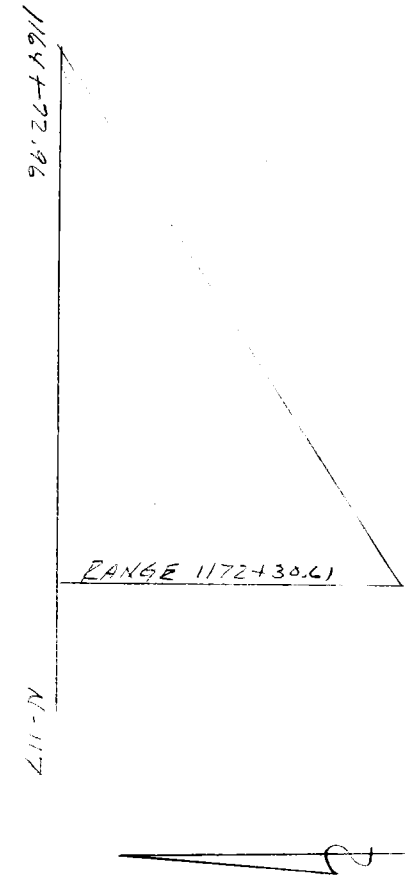
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
1164+73	N-117	9:29	1	291	52			
			2	292	57			
			3	294	12			
			4	295	12			
			5	296	37			
			6	298	02			
			7	299	21			
			8	300	57			
			9	302	21			
			10	304	04			
			11	305	51			
			12	307	22			
			13	309	27			
			14	311	02			
			15	312	44			
			16	314	08			
			17	316	22			
			18	318	52			
			19	320	36			
			20	322	14			



Profile No.____ Date____ Notes Red.____ Plotted____ Job No. 2221.02 Division No. 1

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of MALIBU HYDRO SURVEY Survey by RICHARDS Notes DON Date 6-18-69 Map No.____ Indexed____ Date____

F. B. 2821 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	323	30			
			22	324	39			
			23	326	23			
		9:35	24	327	32			
		9:44	25	324	55			
			26	327	19			
			27	329	04			
			28	331	14			
			29	333	32			
			30	335	10			
			31	337	13			
			32	338	22			
		9:46	33	339	53			

F. B. 2821 PG. 72

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

Survey of Date Date No. X-Sec.

Survey by Notes Chkd. Checked

Indexed 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. 1174+83.16			
	Sight on N-117				98°09' Lt.	
T.P.				11.17	T.P. Cont. from STA. 1172+30.61	
T.P.				10.91	T.P. 1"x2" @ STA. Sand	
				12.1	7' Rt.	
				12.6	25' Rt.	
				13.3	50' Rt.	
				17.0	117' Rt. Bot. Bank	
				24.9	133' " Top "	
	024	5 29		5.05	40' Lt 1"x2" Sand.	
			07	46	42 FT LEFT M.H.T.	
					⊼ at 1169+78.06	SIGHT N117
			41	12	∡ #1 8° 51'	
			57	-04	2 12 46	
			70	-17	3 20 12	
			89	-36	4 25 24	
			112	-59	5 30 19	
			144	-91	6 34 47	
			155	-102	7 38 28	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 73
No. ____ Date ____ Date ____ Survey of Hal. Guarra - Hyd - Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 74 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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NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

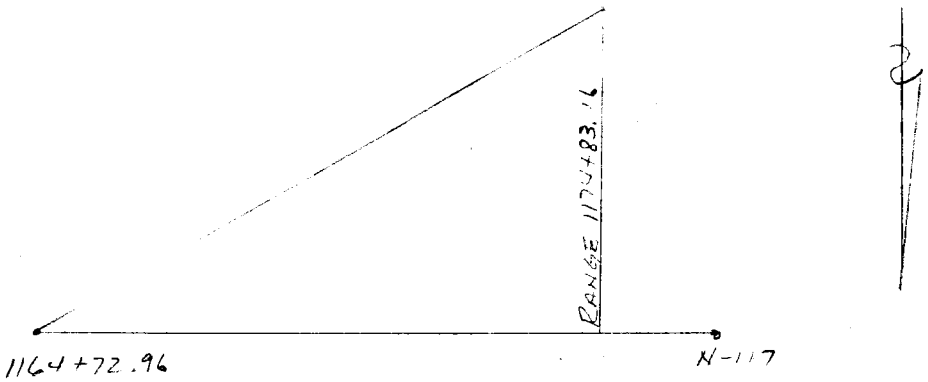
STATION	B. S.	H. I.	F. S.	ELEV.

Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. 11 | F. B. 2821 Pg. 75

Date _____ Date _____ Survey of VALIDATION SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-19-69

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



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					
1164+73	N-117	9:53	1	300	24			
			2	301	47			
			3	303	24			
			4	304	48			
			5	306	59			
			6	308	34			
			7	310	45			
			8	312	40			
			9	314	20			
			10	316	25			
			11	318	20			
			12	319	53			
			13	321	50			
			14	323	50			
			15	325	53			
			16	327	41			
			17	329	16			
			18	330	44			
			19	332	00			
			20	333	06			

76L298 307 Cdb 12-62

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.

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 Notes

Indexed Date

F. B. 2821 Pg. 76

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	334	25			
			22	335	10			
			23	336	08			
			24	337	18			
			25	338	29			
			26	340	19			
			27	341	32			
			28	342	34			
			29	343	33			
			30	344	39			
			31	345	22			
			32	346	41			
		9:58	33	347	45			

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 1177+35.71			
	Sight on N-117				98°09' Lt.	
TP				10.91	T.P. Sand from STA. 1174+83.16	
T.P				[illegible]	T.P. 1"x2" @ STA. Sand	
				12.2	19' Rt. Brk. Sand	
				14.8	75' Rt. "	
				17.0	140' Rt. Bot. Bank	
				22.5	154' Rt. Top "	
	157	636		[illegible]	30' Lt. 1"x2" Sand.	
			~~162~~		⊼ AT 1169+78.06	SIGHT ON N117
			162	-98	⊼ #1 25° 21	
			138	-74	2 20 38	
			121	-57	3 18 24	
			94	-30	4 14 47	
			83	-19	5 11 17	
			57	07	6 7 23	
			51	13	7 5 45	
			18	46	30 FT LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG. 77
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Shore Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by ____ Notes ASC Date 6-19-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 78 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

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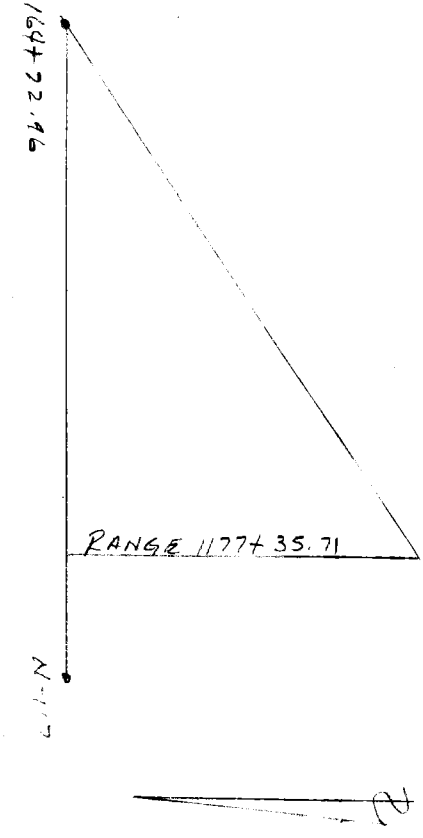
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1164+73	N-17	10:06	1	312	18			
			2	313	16			
			3	314	59			
			4	316	59			
			5	318	39			
			6	320	25			
			7	322	06			
			8	323	40			
			9	325	16			
			10	326	39			
			11	328	30			
			12	330	19			
			13	331	59			
			14	333	43			
			15	334	38			
			16	335	54			
			17	336	33			
			18	337	47			
			19	339	06			
			20	340	04			



Profile No.____ Notes Red.____ Plotted____ Job No.____ Division No.____
Date____ Date____ Survey of [illegible] SURVEY
X-Sec. No.____ Notes Chkd.____ Checked____ Survey by RICHARDS Notes Dan Date 6-19-69
Date____ Date____ Map No.____ Indexed____ Date____

F.B. 2821 PG. 79

F. B. 2821 PG. 80

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

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

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

Indexed _____ 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	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					
			21	340	58			
			22	342	10			
			23	343	13			
			24	344	29			
			25	345	30			
			26	346	54			
			27	347	59			
			28	349	10			
		10:10	29	350	17			

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. 1179+88.26	
					Sight on N-117	98°09' Lt.
T.P.				9.48	T.P. Cont. from Sta. 1177+35.71	
T.P.				8.22	T.P. 1"x2" @ Sta.	Sand
				11.9	30' Rt. Brk	Sand
				13.1	62' Rt. under House	"
				5.02	20' Lt 1"x2" Sand	
T.B.M. # 75				16.39	T.B.M. # 75 El. 16.39 F.B. 3790-133 Top Most Sothly Stl. Fe. Post, of most westerly House on Malibu Rd.	
					⊼ AT 1177+35.71 · SIGHT N117	
	1 85	6 87		5 02	1X2 20 FT LEFT	
			23	4 6	23 FT LEFT M.H.T.	
			49	2 0	∡ #1 11° 27'	
			64	0 5	2 17 25	
			73	-0 4	3 23 46	
			95	-2 6	4 34 09	
			106	-3 7	5 40 38	
			138	-6 1	6 46 39	
			159	-9 0	7 53 33	
			172	-10 3	8 57 55	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG 81
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 ____ Date ____

F. B. 2821 PG. 82

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

PLEASE RETURN TO

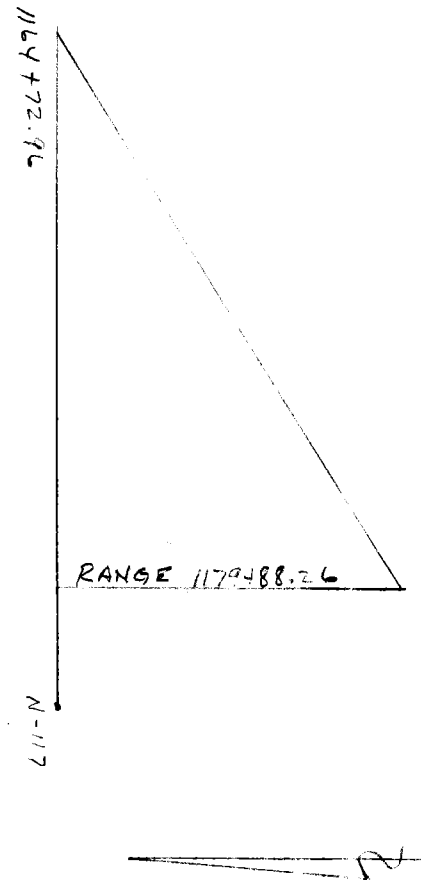
LOS ANGELES COUNTY SURVEYOR

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					
1164+73	N-117	10:18	1	314	33			
			2	316	06			
			3	317	26			
			4	319	17			
			5	320	35			
			6	321	42			
			7	322	50			
			8	324	17			
			9	325	37			
			10	327	10			
			11	328	28			
			12	330	04			
			13	331	29			
			14	332	52			
			15	334	40			
			16	335	57			
			17	337	04			
			18	338	13			
			19	339	21			
			20	340	24			



Profile Notes Red. ____ Plotted ____ Job No. 2300.02 Division No. ____

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

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-19-69

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

F.B. 2821 Pg 83

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. SAME

Job No. Notes Date

Survey of Notes

Survey by

Indexed

F. B. 28821 Pg. 84

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	10			
			22	342	08			
			23	342	49			
			24	343	33			
			25	344	31			
			26	345	21			
			27	346	29			
			28	347	01			
			29	348	00			
			30	349	00			
			31	349	57			
			32	350	26			
			33	351	33			
			34	352	12			
		10:24	35	352	54			

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 2700.02 Tape — Std — °F
Office Work	Surveyed by RICHARDS
Checked	Notes UHARRIET Date 6-19-69
Date	Indexed

F. B 2821 PG. 85

TIDE GAGE READINGS
JUNE 19, 1969
TIME – P.S.T.
DATUM – M.L.L.W.

TIME	TIDE
6:00	-0.1
6:30	-0.2
7:00	0.0
7:30	0.2
8:00	0.4
8:30	0.8
9:00	1.0
9:30	1.5
10:00	1.8
10:30	2.2
11:00	2.6
11:30	2.8
12:00	3.1
12:30	3.1
1:00	3.2
1:30	3.2
2:00	3.2

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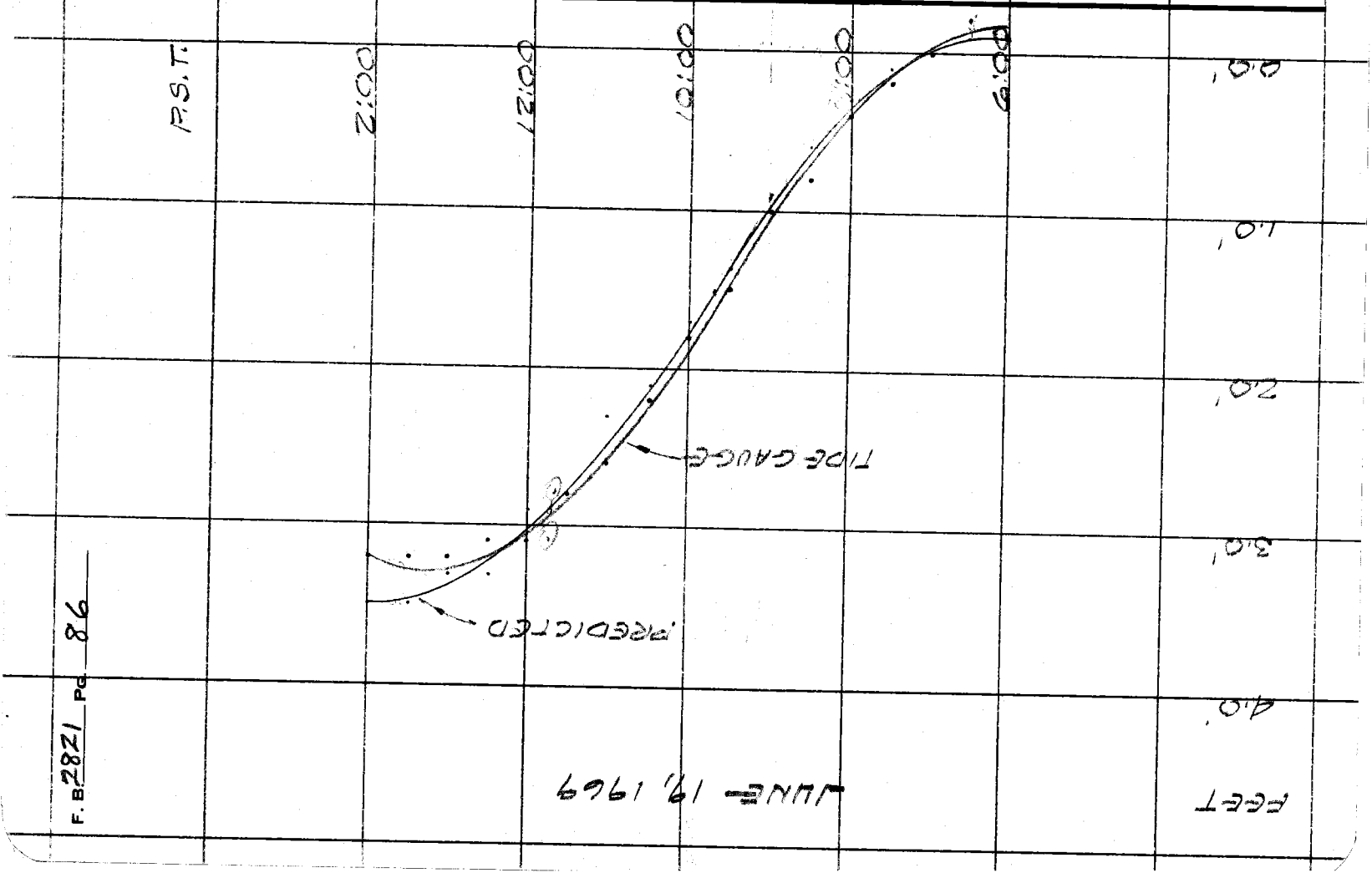
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF 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 this side of this line.



F. B. 2821 PG. 86

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	1182+40.81		
	Sight on		N-117		98°09' Lt	
T.B.M. #75				16.37	T.B.M. #75 Cont.	
T.P.				7.62	T.P. 1"x2" @ Sta. Sand.	
				8.3	6' Rt. Bot Brk. Sand	
				12.3	20' Rt. Top "	
				13.0	84' Rt. Sand	
				21.2	144' Rt. Bot Bank	
				32.5	163' Rt Top "	
	-0 80	4 70		5.50	20' Lt. 1"x2" ~~Sand~~	
			+04	51	20 LT SAND	
			01	46	24 ft. Lt. " M.H.T.	
			26	21	50 " " "	
					⊼ AT 1179+88.26 SIGHT ON N117	
			47	00	∡ #1 18° 02	
			57	-10	2 26 29	
			77	-30	3 37 01	
			114	-67	4 44 16	
			135	-88	5 51 06	
			149	-102	6 57 17	
			152	-105	7 59 41	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 87
Date ____ Date ____ Survey of Malibu - Hyd. Survey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by C.R. Tis Notes ASS. Date 6-[illegible]-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 88

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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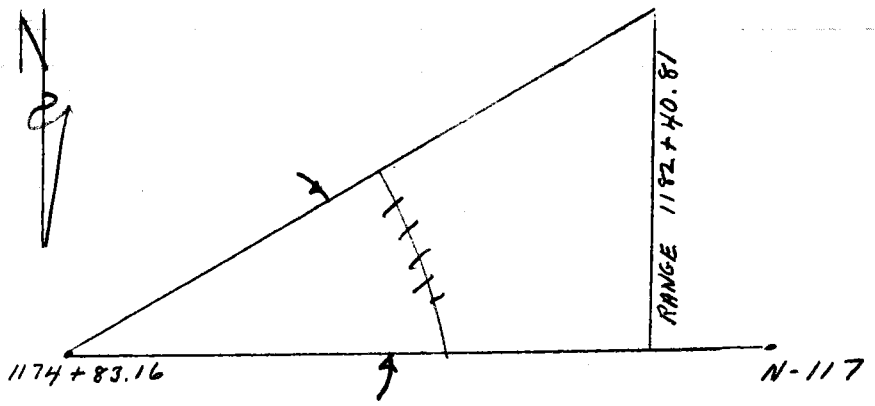
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 11	F. B. 2821 Pg. 89
No.	Date	Date	Survey of HYDRO SURVEY		
X-Sec.	Notes Chkd.	Checked	Survey by RICHARDS	Notes R.T.	Date 6/20/69
No.	Date	Date	Map No.	Indexed	Date



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					
1174+83.16	N-117	7:28	1	292°	50'			
			2	293°	46'			
			3	294°	31'			
			4	295°	29'			
			5	296°	36'			
			6	297°	45'			
			7	299°	38'			
			8	301°	12'			
			9	303°	04'			
			10	304°	21'			
			11	306°	04'			
			12	307°	48'			
			13	309°	29'			
			14	311°	35'			
			15	313°	16'			
			16	316°	07'			
			17	317°	46'			
			18	319°	46'			
			19	321°	27'			
			20	323°	33'			

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.

F. B. 2821 Pg. 90 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDRO SURVEY Date Date No.

Survey by RICHARDS Notes R.T. Notes Chkd. Checked X-Sec.

Indexed Date Date No.

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					
1174+83.16	N-117		21	324°	53'			
			22	327°	41'			
			23	330°	18'			
			24	332°	53'			
			25	334°	18'			
			26	335°	30'			
			27	337°	21'			
			28	338°	26'			
			29	339°	49'			
			30	340°	51'			
		7:33	31	341°	59'			

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. 1184+93.36	
	Sight on N-117				98°09' Lt.	
TBM #75				16.39	TBM #75 Cont.	
T.P.				7.79	T.P. 1"x2" @ STA.	Sand
				12.5	30' Rt.	Brk. Sand
				12.8	64 Rt.	"
				15.6	96' Rt.	Bot Bank Sand
				51.4	175' Rt.	Top "
	-0 25	4 86	00	5.11	25' Lt. 1"x2" ~~Sand~~	
				4 9	" " SAND	
					⊼ AT 1179+88.26	SIGHT ON N117
			17 8	-12 9	⊼ #1 38° 35'	
			14 9	-10 0	2 34 22	
			11 8	-6 9	3 29 40	
			11 4	-6 5	4 25 06	
			7 6	-2 7	5 19 42	
			6 3	-1 4	6 15 03	
			5 1	0 2	7 9 23	
			0 3	4 6	27 FT. LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 91
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-20-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 92 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.

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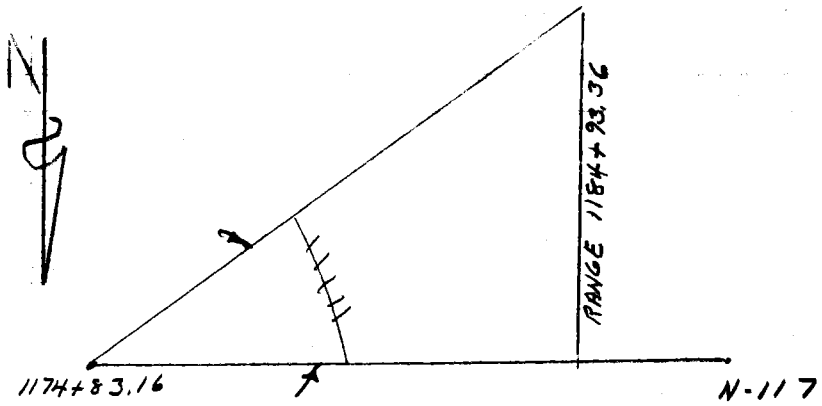
76-L-298 CE 307 5-66

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No. 11	F. B. 2821 Pg. 93
No.	Date	Date	Survey of HYDRO SURVEY		
X-Sec.	Notes Chkd.	Checked	Survey by RICHARDS	Notes R.T.	Date 6/20/69
No.	Date	Date	Map No.	Indexed	Date



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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.	For Office Use Only Card No
1174+83.16	N-117	7:38	1	299°	00'			
			2	300	35'			
			3	302°	05'			
			4	303°	25'			
			5	305°	03'			
			6	306°	44'			
			7	308°	06'			
			8	309°	45'			
			9	311°	09'			
			10	313°	30'			
			11	315°	50'			
			12	317°	37'			
			13	319°	50'			
			14	321°	35'			
			15	323°	12'			
			16	324°	07'			
			17	325°	12'			
			18	326°	30'			
			19	327°	51'			
			20	329°	00'			

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 2821 Pg. 94 Job No. 0200.02 Division No. 11 Notes Red. Plotted Profile No.

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

Survey by RICHARDS Notes R.T. Notes Chkd. Checked

Indexed Date Date

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					
1174+83.16	N-117		21	330°	39'			
			22	332°	14'			
			23	333°	44'			
			24	335°	34'			
			25	337°	11'			
			26	338°	01'			
			27	339°	45'			
			28	340°	43'			
			29	342°	15'			
			30	343°	54'			
		7:44	31	345°	16'			

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. 1187+45.91			
	Sight on N-117				98°09' Lt.	
T.P.				7.79	T.P. cont from STA 1184+93.36	
T.P.				8.11	T.P. 1"x2" @ STA.	Sand
				12.1	26' Rt.	Brk. Sand
				14.0	80' Rt.	Bot. Brk. "
				43.4	154 Rt.	Top " "
	080	5 17/2		4.37	31' Lt. 1"x2" ~~Sand~~	
					⊼ AT 1179+88.26	SIGHT ON N117
			09	4 3	30' LEFT SAND	
			06	46	27' " " MHT	
			44	08	∡ #1 4° 42'	
			59	-07	2 6 46	
			66	-14	3 9 47	
			85	-33	4 13 51	
			93	-41	5 15 28	
			123	-71	6 18 51	
			150	-98	7 21 24	
			142	-90	8 23 38	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG. 95
Date ____ Date ____ Survey of Malibu-Hyd. Survey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-30-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 96 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

PLEASE RETURN TO
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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.

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

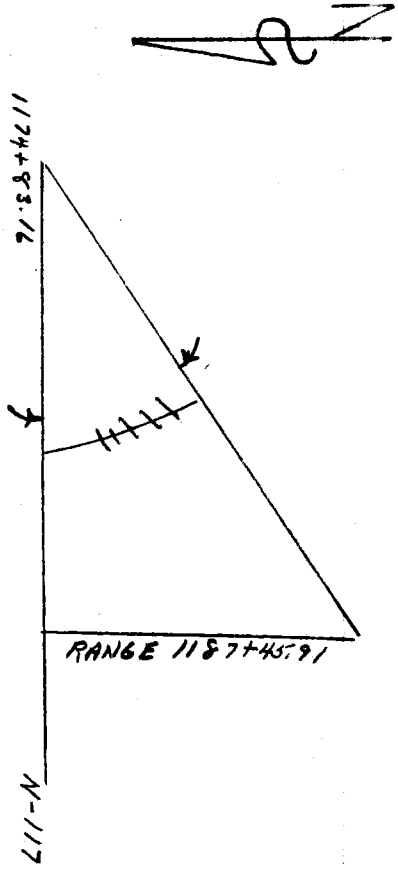
LOS ANGELES COUNTY SURVEYOR

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.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1174+83.16	N-117	7:50	1	305°	55'			
			2	307°	15'			
			3	308°	42'			
			4	310°	03'			
			5	311°	19'			
			6	312°	45'			
			7	314°	02'			
			8	315°	35'			
			9	316°	55'			
			10	318°	17'			
			11	319°	52'			
			12	321°	40'			
			13	323°	25'			
			14	325°	36'			
			15	327°	44'			
			16	329°	20'			
			17	330°	36'			
			18	331°	35'			
			19	332°	37'			
			20	334°	09'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 97

No. ____ Date ____ Date ____ Survey of HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 6/20/69

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

F. B. 2821 PG. 98 | Job No. 6300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDRO SURVEY | Date | Date | No.

Survey by RICHARDS | Notes R.T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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.
1174+82.16	N-117		21	334°	54'			
			22	335°	44'			
			23	336°	25'			
			24	337°	44'			
			25	338°	53'			
			26	340°	21'			
			27	341°	23'			
			28	342°	47'			
			29	343°	18'			
			30	344°	30'			
			31	344°	50'			
		7:57	32	345°	56'			

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. 1189+98.46		
	Sight on N-117				98°09' Lt.	
T.P.				8.11	T.P. Cont. from Sta. 1187+45.91	
T.P.				9.46	T.P. 1"x2" @ Sta. Sand	
				12.0	25' Rt. Brk	Sand
				13.6	72 Rt. Bot. Bank	"
				29.4	103 Rt. Top "	
	-019	539		5.58	30' Lt. 1"x2" ~~Sand~~	
			01	53	30' " SAND	
					⊼ AT 1179+88.26	SIGHT ON N117
			172	-118	∡ #1 19° 34	
			153	-99	2 17 07	
			150	-96	3 14 56	
			104	-50	4 12 35	
			118	-64	5 13 31	OUT [illegible]
			88	-34	6 10 48	
			70	-16	7 8 06	
			62	-08	8 6 11	
			53	01	9 4 32	
			08	46	35 FT LEFT M.H.T.	
					"	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 99
X-Sec. No. ____ Date ____ Date ____ Survey of Mal. Lbu Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-[illegible]-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 100 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

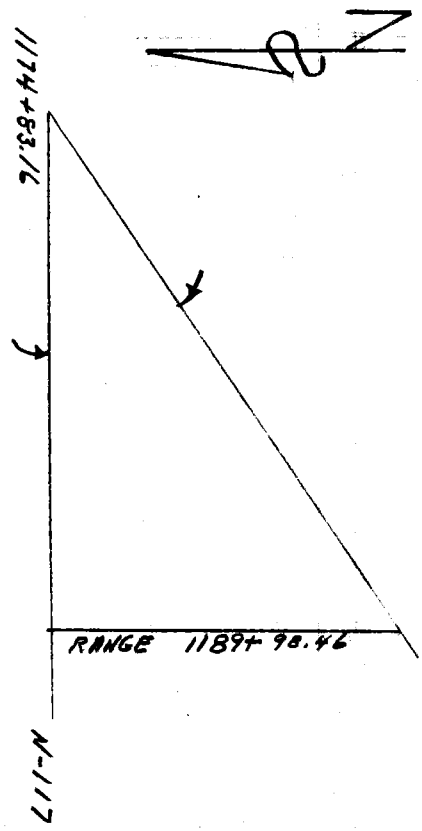
LOS ANGELES COUNTY SURVEYOR

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1174+83.16	N-117	8:02	1	310°	05'			
			2	311°	04'			
			3	312°	14'			
			4	313°	10'			
			5	314°	11'			
			6	315°	31'			
			7	316°	37'			
			8	318°	38'			
			9	320°	15'			
			10	321°	45'			
			11	322°	59'			
			12	324°	13'			
			13	325°	36'			
			14	327°	14'			
			15	329°	01'			
			16	330°	30'			
			17	332°	07'			
			18	333°	09'			
			19	334°	33'			
			20	335°	23'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 101

No. ____ Date ____ Date ____ Survey of HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 6/20/69

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

F. B. 2821 PG. 102 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. 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	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					
1174+83.16	N-117		21	336°	24'			
			22	337°	45'			
			23	338°	52'			
			24	339°	35'			
			25	340°	28'			
			26	341°	38'			
			27	342°	54'			
			28	344°	15'			
			29	345°	04'			
			30	345°	43'			
			31	346°	41'			
			32	347°	31'			
			33	348°	09'			
			34	349°	05'			
			35	350°	02'			
			36	351°	00'			
		8:08	37	351°	41'			

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 1192+51.01		
	Sight on N-117				98°09' Lt.	
T.P.				9.46	T.P. Cont. from STA.	
T.P.				10.84	T.P. 1"x2" @ STA.	Sand
				12.0	6' Rt.	Brk. Sand
				13.5	45' Rt.	Bot. Bank "
				18.3	58' Rt.	Brk.
				19.0	83' Rt.	Brk
				21.2	89' Rt.	Top Bank
	-020	651		6.71	30' Lt. 1"x2" ~~Sand~~	
					⊼ AT 1189+98.46	SIGHT ON N-117
			00	65	30 FT LEFT SAND	
			19	46	45 FT " MHT.	
			60	05	∆ #1 19° 52'	
			70	-05	2 25 46	
			87	-22	3 36 49	
			96	-31	4 41 24	
			126	-71	5 48 11	
			107	-42	6 45 23 IN	
			143	-78	7 53 29	
			152	-87	8 56 16	
			168	-103	9 58 52	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG. 103
Date ____ Date ____ Survey of Malibu Hyd. Survey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC. Date 6-[illegible]-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 104 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

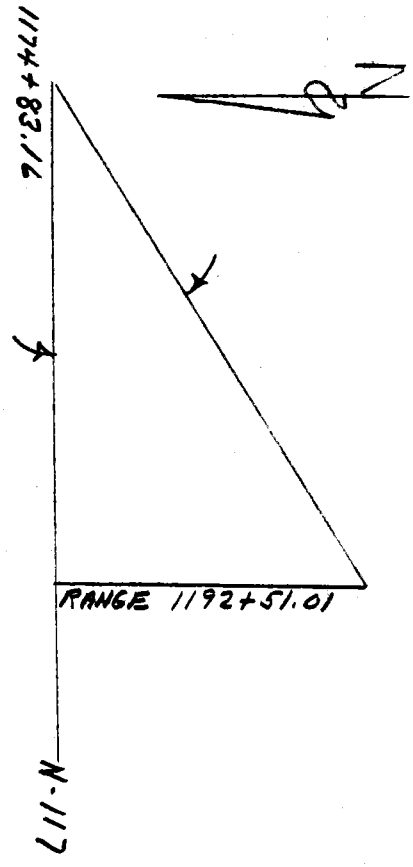
76S420A - CE 353A - Cdb 9-62

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1174+83.16	N-117	8:14	1	316°	09'			
			2	317°	38'			
			3	318°	58'			
			4	320°	17'			
			5	321°	50'			
			6	322°	50'			
			7	324°	10'			
			8	325°	18'			
			9	327°	00'			
			10	328°	48'			
			11	330°	06'			
			12	332°	00'			
			13	333°	20'			
			14	334°	50'			
			15	335°	48"			
			16	337°	17'			
			17	338°	20'			
			18	339°	14'			
			19	340°	21'			
			20	341°	06"			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2821 PG. 105
No. Date Date Survey of HYDRA SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes R.T. Date 6/24/65
No. 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.

F. B. 2821 Pg. 106 Job No. 0300.02 Division No. 11 Notes Red. ____ Date ____ Notes Chkd. ____ Date ____ Plotted ____ Date ____ Checked ____ Date ____ Profile No. ____ X-Sec. No. ____

Survey of HYDRO SURVEY

Survey by RICHARDS Notes R.T.

Indexed ____ Date ____

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					
1174+83.16	N-117		21	342°	20'			
			22	343°	20'			
			23	343°	52'			
			24	345°	10'			
			25	346°	03'			
			26	346°	53'			
			27	347°	34'			
			28	348°	24'			
		8:19	29	349°	02'			

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. 1195+03.56		
	Sight on N-117				98°09' Lt.	
T.P.				10.84	T.P. Cont. from STA. 1195.+03.56	
T.P.				10.96	T.P. 1"x2" @ STA.	Sand Brk
				9.6	67.5 Rt.	Sand -
				5.78	50' Lt. 1"x2" Sand.	
				12.32	TBM #76 El. 1232 F.B. 3790-134. Pac. Coast Hi-way So. Side - Bt. Spk & lead in Top & end S.E. Wing Wall - Corral Cr. Crk. Bridge	
					⊼ AT 1189+98.46 SIGHT ON N117	
	016	594		5.78	50 FT LEFT	
			192	-133	∡ 1 45° 50'	
			172	-113	2 42 14	
			163	-104	3 38 56	
			150	-91	4 37 45	
			147	-88	5 34 10	
			123	-64	6 29 51	
			98	-39	7 25 48	
			86	-27	8 21 53	
			71	-12	9 16 14	
			63	04	10 12 32	
			47	12	11 9° 58'	
			13	46	56 FT LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 03 00 02 Division No. 11 Survey of Malibu Hyd. Survey
X-Sec. No. ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey by Curtis Notes ASC Date 6-[illegible]-62
Map No. ____ Indexed ____ Date ____

F.B. 2821 PG. 107

F. B. 2821 PG. 108 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

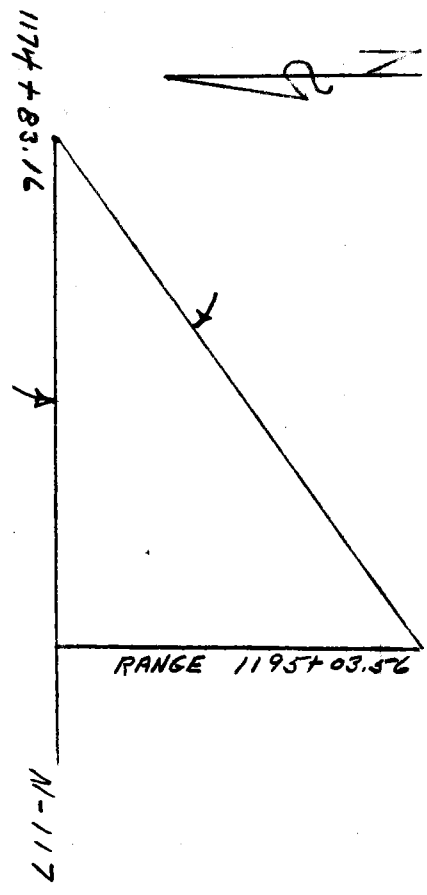
765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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					
1174+83.16	N-117	8:24	1	317°	59'			
			2	319°	07'			
			3	320°	29'			
			4	321°	47'			
			5	323°	11'			
			6	324°	24'			
			7	325°	36'			
			8	327°	06'			
			9	328°	29'			
			10	330°	54'			
			11	332°	20'			
			12	333°	54'			
			13	335°	38'			
			14	337°	05'			
			15	338°	20'			
			16	339°	15'			
			17	340°	05'			
			18	340°	53'			
			19	341°	41'			
			20	342°	29'			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.03 Division No. 11 F. B. 2821 Pg. 109
X-Sec. No. ____ Date ____ Date ____ Survey of HYDRO SURVEY
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by RICHARDS Notes R.T. Date 5/20/69
Map No. ____ Date ____ Indexed ____ Date ____

F. B. 2821 PG. 110 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of HYDRO SURVEY Date Date No.
Survey by RICHARDS Notes I.P.T. Notes Chkd. Checked X-Sec.
Indexed 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	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.	
1174+83.16	N-117		21	343°	20'			
			22	344°	29'			
			23	345°	20'			
			24	345°	56'			
			25	346°	31'			
			26	347°	08'			
			27	348°	28'			
			28	349°	19'			
			29	349°	54'			
			30	350°	27'			
			31	351°	01'			
		8:30	32	351°	23'			

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.

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 Pg. 111
No. ____ Date ____ Date ____ Survey of Malibu Hwy. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-[illegible]-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

03000.07

STATION	B. S.	H. I.	F. S.	ELEV.	N-117 1200.07.77
			Sta. 1197+56.11		
	Sight on N-117				98°09' Lt.
T.P.				10.96	T.P. Cont. from Sta. 1195+03.56
T.P.				12.66	T.P. 1"x2" @ Sta. Sand
				12.7	17' Rt. Bot. Bank Sand
				20.5	40' Rt. Top "
				11.3	20' Lt. Bank Sand
				5.39	55' Lt. 1"x2 Sand.
T.P.				14.96	T.P. only
					↑ 1195+03.56 SIGHT ON N-117
	0.23	5.62		5.39	53 FT LEFT [illegible]
			0.5	5.7	" " SAND
			1.0	4.6	58 FT LEFT [illegible]
			2.6	3.0	70 " " SAND
			5.7	-0.1	∆ #1 26° 40'
			6.2	-0.6	2 31 25
			9.5	-3.7	3 44 46
			11.1	-5.5	4 49 06
			14.3	-8.7	5 54 03
			15.4	-9.8	6 56 48
			16.1	-10.5	7 59 51
	0.07	5.67	-0.02	5.60	T.P.

DATUM
MEAN LOWER LOW WATER

F. B. 2821 PG. 112 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

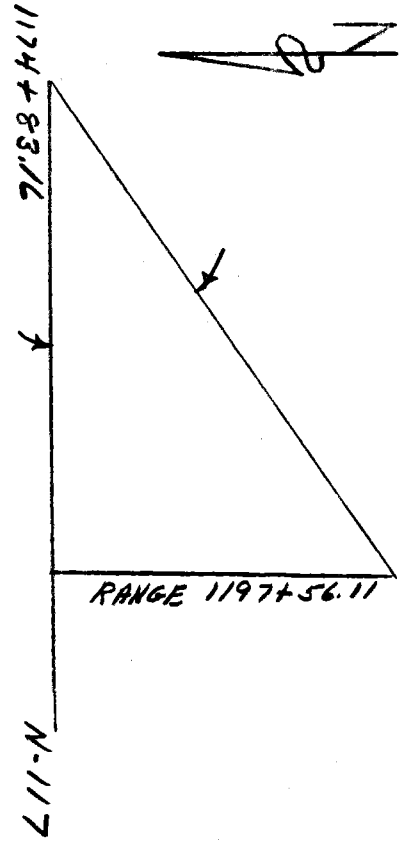
LOS ANGELES COUNTY SURVEYOR

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.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1174+83.16	N-117	8:37	1	322°	41'			
			2	323°	27'			
			3	324°	51'			
			4	326°	00'			
			5	327°	12'			
			6	328°	27'			
			7	329°	55'			
			8	331°	23'			
			9	332°	26'			
			10	333°	56'			
			11	334°	59'			
			12	336°	15'			
			13	337°	43'			
			14	338°	40'			
			15	339°	48'			
			16	340°	46'			
			17	341°	24'			
			18	342°	05'			
			19	342°	30'			
			20	343°	15'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 113

No. ____ Date ____ Date ____ Survey of HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 6/20/69

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

F. B. 2821 PG. 114 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. 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	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					
1174+83.16	N-117		21	344°	06'			
			22	344°	47'			
			23	345°	38'			
			24	346°	24'			
			25	346°	40'			
			26	346°	53'			
			27	347°	50'			
			28	348°	40'			
			29	349°	32'			
			30	350°	24'			
			31	350°	58'			
			32	351°	48'			
			33	352°	16'			
			34	352°	41'			
			35	353°	26'			
		8:43	36	353°	52'			

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. 1200 + 08.65			
	Sight on N-118				84°00' Lt.	
T.P.				14.96	T.P. Cont from STA. 1197+56.11	
T.P.				15.10	T.P. Chis "+" Rock @ STA	
				20.7	13' Rt.	Top Bank.
T.P.				13.53	T.P. 3' Lt. 1"x2"	Bot Bank, Sand
				12.2	36 Lt. Brk.	Sand
	0.07	5.95		5.88	70' Lt. 1"x2"	Sand
		6.[illegible]			⊼ AT 1195+03.56 SIGHT ON N117	
			198	-138	∡ 1 48° 03'	
			187	-127	2 45 02	
			181	-121	3 41 27	
			171	-111	4 38 45	
			162	-100	5 35 51	
			152	-92	6 35 26	
			111	-51	7 30 19	
			119	-59	8 30 32	OUT
			147	-87	9 32 48	OUT
			93	-33	10 25 15	
			87	-27	11 23 33	
			74	14	12 13 13	

CONT.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 115
Date ____ Date ____ Survey of Malibu Hyd. Survey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by Curtis Notes H.S.C. Date 6-20-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 116 Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of MALIBU HYDRO Date 6-20-69 Date _____ No. _____

Survey by _____ Notes DREIER 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.

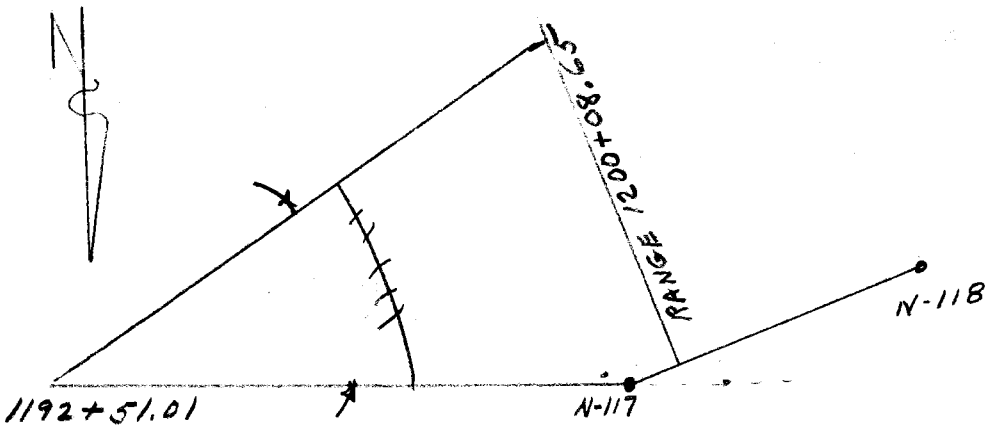
STATION	B. S.	H. I.	F. S.	ELEV.	
		595			
		60			
			57	03	L #13 13° 40'
			29	31	107 FT LEFT
			14	46	96 " " M.H.T.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 117

Date ____ Date ____ Survey of HYDRO SURVEY

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 6/20/69

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



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					
1192+51.01	N-117	9:10	1	287°	44'			
			2	288°	45'			
			3	289°	55'			
			4	290°	51'			
			5	292°	14'			
			6	293°	37'			
			7	295°	03'			
			8	296°	45'			
			9	298°	09'			
			10	299°	52'			
			11	301°	30'			
			12	303°	36'			
			13	305°	04'			
			14	307°	19'			
			15	309°	33'			
			16	311°	36'			
			17	313°	51'			
			18	315°	44'			
			19	316°	48'			
			20	318°	17'			

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.

F. B. 2821 Pg. 118 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes R.T. Notes Chkd. Checked

Indexed Date Date Date No.

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.	
1192+51.61	N-117		21	319°	04'			
			22	319°	56'			
			23	321°	57'			
			24	323°	17'			
			25	325°	35'			
			26	328°	03'			
			27	329°	53'			
			28	331°	46'			
			29	333°	57'			
			30	335°	40'			
			31	337°	28'			
			32	339°	08'			
		10:16	33	340°	31'			

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. 1202+60.03		
	Sight on N-118				84°00' Lt.	
T.P.				13.53	T.P. Sent from Sta 1200+08.65	
T.P.				10.78	T.P. 1"x2" @ Sta.	Sand.
				12.4	8' Rt Brk	"
				14.6	27' Rt. Bot. Bank	Sand
				26.7	48 Rt. Top	"
	002	600		5.98	25' Lt. 1"x2" Sand.	
			03	5	[illegible] at 1200+08.65	Sight on N 118
			14	[illegible]	31 ft Left M.H.T.	
			25	35	40 " " SAND	
			48	1.2	4 #1 15° 45'	
			64	-0.4	2 21 22	
			74	-1.4	3 25 40	
			103	-4.3	4 33 31	x
			98	-3.8	5 32 30	IN
			102	-4.2	6 36 38	x
			112	-5.2	7 39 54	
			143	-8.3	8 43 14	
			153	-9.3	9 46 02	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG 719
No. ____ Date ____ Date ____ Survey of Malibu Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes A.S.C. Date 6-20-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 120 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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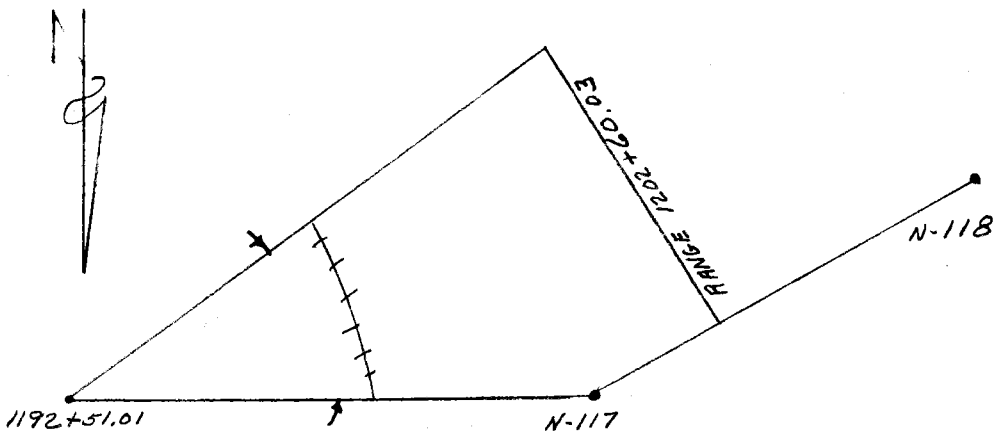
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 2821 Pg. 121

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

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes R.T. Date 6/20/69

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



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					
1192+51.01	N-117	9:27	1	293°	59'			
			2	295°	13'			
			3	296°	37'			
			4	297°	50'			
			5	299°	36'			
			6	301°	10'			
			7	303°	08'			
			8	304°	59'			
			9	306°	32'			
			10	308°	10'			
			11	310°	02'			
			12	311°	56'			
			13	314°	08'			
			14	316°	28'			
			15	318°	33'			
			16	320°	08'			
			17	321°	04'			
			18	322°	10'			
			19	322°	41'			
			20	323°	47'			

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 IK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

F. B. 2821 Pg. 122 Job No. 2002 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes R.T. Notes Chkd. Checked

Indexed Date Date Date No.

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.	
1192+51.01	N-117		21	324°	51'			
			22	325°	51'			
			23	327°	21'			
			24	328°	31'			
			25	329°	42'			
			26	331°	37'			
			27	333°	02'			
			28	335°	05'			
			29	335°	29'			
			30	337°	57'			
			31	339°	45'			
			32	340°	46'			
			33	342°	46'			
			34	343°	21'			
		9:33	35	345°	04'			

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. 1205+11.41		
Sight on N-118					84°00' Lt.	
T.P.				10.78	T.P. Cont. from Sta. 1202+60.03	
T.P.				4.17	T.P. 1"x2" @ Sta.	Sand
				11.7	40' Rt.	Bot. Bank Rock
				32.7	80' Rt.	Top "
T.B.M. #78				16.20	T.B.M. #78 El. 16.20 F.B. 3790-135 Chis "+" on Lrge Rock	
	2 67	6 84		4 17	T.P. 1x2 ℄ Sta.	
				3 9	℄ Sta. Sand	
					⊼ at 1200+08.65 Sight on N-118	
			175	-10 7	4 #1 28° 04	
			170	-10 2	2 23 26	
			136		3 20 38	
			149		4 23 25	out
			173		5 24 21	out
			159		6 23 27	in
			125		7 19 21	in
			96		8 13 47	
			100		9 14 51	out
			82		10 9 49	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG 123
No. ____ Date ____ Date ____ Survey of Mal. Gu Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-[illegible]-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 124 Job No. 0300.02 Division No. Notes Red Plotted Profile

Survey of MALIBU HYDRO Date 6-20-69 Date No.

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

Indexed 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.

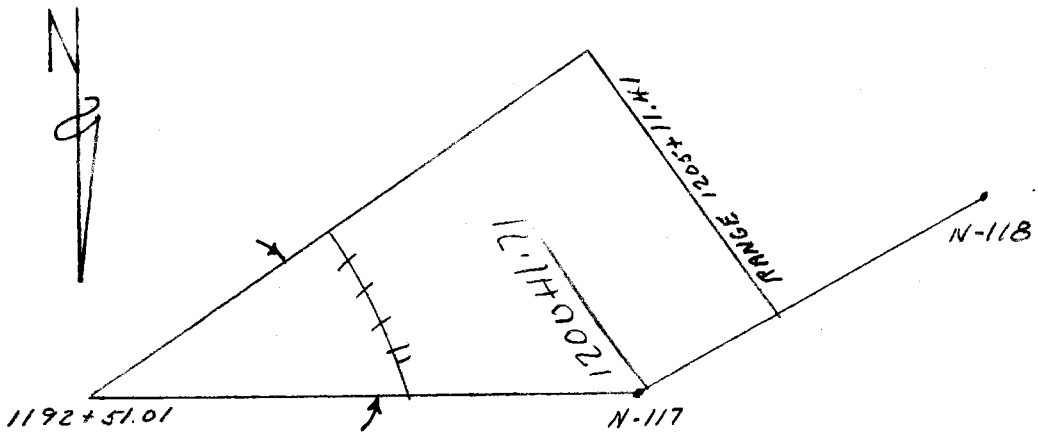
STATION	B. S.	H. I.	F. S.	ELEV.	
		684			
			70	-02	CONT
			40	28	X #11 6° 02'
			22	46	17 FT LEFT
					7 FT RIGHT MIN.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 | F. B. 2821 Pg. 125

Date ____ Date ____ Survey of HYDRO SURVEY

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 6/20/69

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



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					
1192+51.01	N-117	9:40	1	300°	41'			
			2	302°	05'			
			3	303°	17'			
			4	304°	25'			
			5	306°	00'			
			6	307°	57'			
			7	309°	28'			
			8	311°	06'			
			9	313°	26'			
			10	315°	15'			
			11	316°	50'			
			12	319°	21'			
			13	320°	48'			
			14	323°	03'			
			15	324°	46'			
			16	326°	17'			
			17	328°	12'			
			18	329°	26'			
			19	330	40'			
			20	331	52'			

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.

F. B. 2821 PG. 126 Job No. ____ Division No. ____ Notes Red. ____ Plotted ____ No. ____ Profile

Date ____ Date ____ X-Sec.

Survey of ____ Notes ____ Chkd. ____ Checked ____ No. ____

Survey by ____ Notes ____ Date ____ Date ____

Indexed ____ Date ____

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
1192+51.01	N-117		21	333°	36'			
			22	334°	43'			
			23	335°	59'			
			24	337°	32'			
			25	338°	39'			
			26	339°	40'			
			27	340°	22'			
			28	341°	52'			
			29	342°	46'			
			30	343°	50'			
			31	344°	53'			
			32	346°	17'			
		9:45	33	347°	01'			

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.

Profile No. ____ Date ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0300.08 Division No. 11 F.B. 2821 PG. 127
X-Sec. No. ____ Date ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey of Hall & Ellerbe - Hyd. Survey Map No. ____ Date ____ Indexed ____ Date ____
Survey by Curtis Notes A 55 Date 6-[illegible]-69

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 1207 + 62.79			
	Sight on N-118				84°00' Lt.	
T.B.M. #73				16.20	TBM. #78 (Cont.)	
				6.4	Rocks @ Sta.	
T.P.				9.9	20' Rt.	Bot. Bank Rocks
				24.4	36' Rt	Top "
T.P.				5.97	T.P. 5' Lt. 1"x2" Sand & Rocks	
				3.85	22' Lt. 1"x2" Sand	
					↑ AT 1200+08.65	SIGHT ON N-118
	0.53	6.50		5.97	T.P. 12 5 FT Left	
			1.9	4.6	10 FT LEFT	
			5.1	1.4	4 31 2° 37'	[illegible]
			7.2	-0.7	3 4 02	" " "
			8.8	-2.3	3 6 41	
			11.6	-5.1	4 8 41	
			9.5	-3.0	5 8 00	(N) [illegible]
			12.9	-6.4	6 10 29	
			13.3	-6.8	7 12 21	
			13.5	-7.0	8 14 58	
			16.8	-10.3	9 16 49	
			15.2	-8.7	10 15°29' N	

DATUM
MEAN LOWER LOW WATER

F. B. 2821 PG. 128 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.

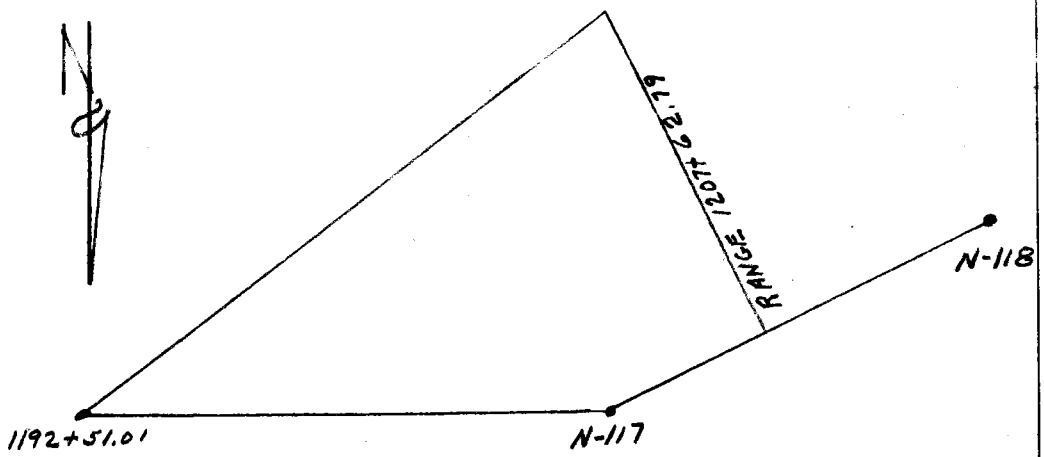
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 2821 Pg. 129

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

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes RT. Date 6/20/69

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



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.	For Office Use Only Card No.
1192+51.01	N-117	9:53	1	304°	10'			
			2	305°	15'			
			3	306°	17'			
			4	307°	39'			
			5	308°	50'			
			6	310°	26'			
			7	311°	30'			
			8	313°	10'			
			9	314°	54'			
			10	316°	28'			
			11	318°	19'			
			12	319°	58'			
			13	321°	55'			
			14	323°	34'			
			15	325°	01'			
			16	326°	53'			
			17	328°	12'			
			18	329°	57'			
			19	331°	36'			
			20	332°	48'			

76S420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 130 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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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.	FOR OFFICE USE ONLY CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1192+51.01	N.117		21	334°	33'			
			22	336°	03'			
			23	337°	00'			
			24	338°	08'			
			25	339°	16'			
			26	340°	04'			
			27	340°	56'			
			28	341°	56'			
			29	342°	38'			
			30	343°	49'			
			31	344°	54'			
			32	345°	25'			
			33	346°	15'			
		9:58	34	346°	53'			

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 6-20-69
Date	Indexed

F. B. 2821 PG. 131

TIDE GAGE READINGS
JUNE 20, 1969
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	0.2
6:30	0.2
7:00	0.1
7:30	0.3
8:00	0.4
8:30	0.5
9:00	0.9
9:30	1.2
10:00	1.6
10:30	1.9
11:00	2.3
11:30	2.5
12:00	2.8
12:30	3.0
1:00	3.3
1:30	3.3
2:00	3.4

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.

76F3095 CE#310 3-68

F. B 2821 PG. 132

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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. 1210+14.17	
	Sight on N-118				84°00' Lt	
T.P.				5.97	T.P. Cont. from Sta. 1207+6[illegible]	
T.P.				7.54	T.P. 1"x2" @ Sta.	Sand
				11.2	26' Rt.	Bk. "
				14.0	49 Rt.	Bot. Bank [illegible]
				25.1	62 Rt.	Top "
				5.44	16' Lt. 1"x2"	Sand.
T.B.M. #79				14.58	T.B.M. #79 El. 14.58 F.B. 3790-135 Chis "+" in Top 24" Conc. Dr. Pipe	
	0.96	8.50		7.54	T.P. 1x2 ℄ STA.	
	0.60	5.96	3.14	5.36	T.P.	
			1.4	4.6	20 FT. LEFT M.H.T.	
			4.4	1.6	45 " " SAND	BETWEEN [illegible]
			5.9	0.1	∡ #1 3° 30'	(∡ AT N118 SIGHT [illegible])
			7.1	-1.1	2 5 44	
			9.4	-3.4	3 7 11	
			10.6	-4.6	4 10 08	
			11.9	-5.9	5 13 40	
			15.7	-9.7	6 15 26	
			16.9	-10.9	7 17 40	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 133
Date ____ Date ____ Survey of Malibu Area Hyd. Survey.
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by Curtis Notes ASC Date 6-23-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 134 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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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.

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

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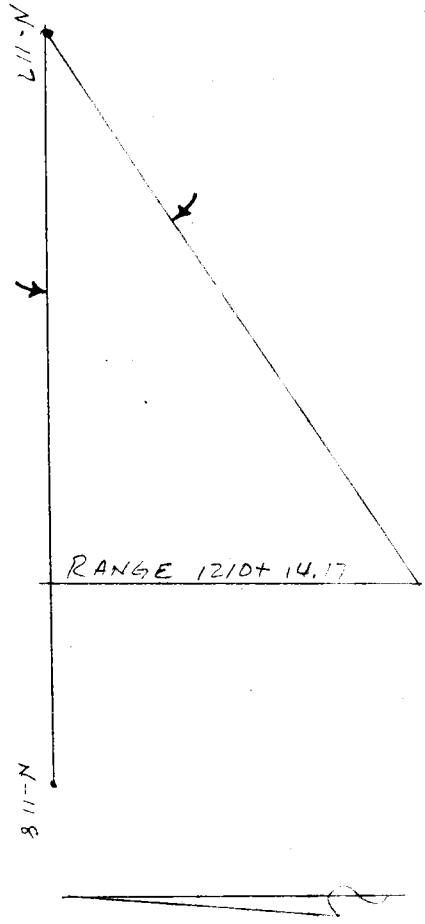
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-117	N-118	7:23	1	307	01			
			2	308	09			
			3	310	20			
			4	311	47			
			5	313	43			
			6	315	53			
			7	317	45			
			8	318	46			
			9	320	05			
			10	321	03			
			11	322	45			
			12	324	05			
			13	325	25			
			14	326	59			
			15	328	15			
			16	329	25			
			17	330	18			
			18	331	21			
			19	332	01			
			20	332	44			



Profile Notes Red.____ Plotted____ Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 135

No.____ Date____ Date____ Survey of KALISH [illegible]

X-Sec. Notes Chkd.____ Checked____ Survey by RICHARDS Notes DON Date 6-23-67

No.____ Date____ Date____ Map No.____ Indexed____ Date____

F. B. 2821 PG. 136

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

Survey of _____ SAME Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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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 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	28			
			22	334	18			
			23	335	41			
			24	337	02			
			25	337	54			
			26	339	49			
			27	340	46			
			28	342	23			
			29	343	23			
			30	344	45			
			31	345	47			
			32	346	41			
			33	347	37			
			34	348	34			
			35	349	13			
		7:29	36	350	16			

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. 1212+65.55			
	Sight on N-118				84°00' Lt.	
T.B.M.#79				14.53	T.B.M.#79 (Cont)	
T.P.				6.26	T.P. 1"x2" Sand @ Sta.	
				12.0	35' Rt. Brk Sand.	
				13.3	58' Rt. Bot. Bank "	
				25.0	69 Rt. Top "	
					⊼ AT N118 SIGHT N117	
	-041	585		6.26	T.P. N2 ℄ STA	
			179	-12.1	∡ #1 27° 24'	
			146	-8.8	2 25 03	
			172	-11.4	3 26 39	OUT.
			149	-9.1	4 23 47	
			143	-8.5	5 20 47	
			132	-7.4	6 18 20	
			97	-3.9	7 14 12	
			108	-5.0	8 11 13	
			80	-2.2	9 8 21	
			68	-1.0	10 5° 09'	
			53	05	11 3° 06'	
			12	46	8FT. LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG. 137
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Cross Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by ____ Notes ASC Date 6-27-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.

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

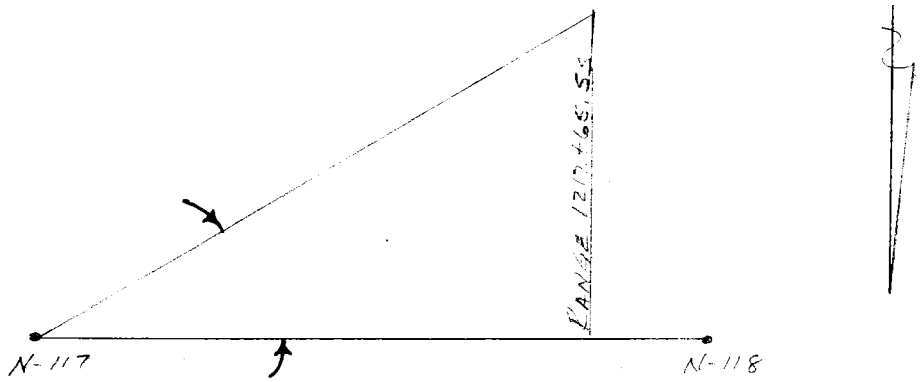
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 139

Date _____ Date _____ Survey of MALIBU HYDRO SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-23-69

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



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

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LOS ANGELES COUNTY 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					
N-117	N-118	7:40	1	314	00			
			2	314	48			
			3	316	05			
			4	317	01			
			5	318	13			
			6	319	10			
			7	320	26			
			8	322	01			
			9	323	14			
			10	324	59			
			11	326	41			
			12	328	01			
			13	329	13			
			14	330	51			
			15	332	09			
			16	333	55			
			17	335	31			
			18	336	55			
			19	338	24			
			20	339	38			

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. 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	340	13			
			22	341	21			
			23	342	23			
			24	342	47			
			25	343	26			
			26	344	28			
			27	345	39			
			28	347	15			
			29	347	55			
			30	348	52			
			31	349	31			
			32	350	35			
			33	351	12			
		7:45	34	352	11			

F. B. 2821 PG. 140

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

Survey of Date Date No. X-Sec.

Survey by Notes Notes Chkd. Checked

Indexed 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. 1215+16.93		
	Sight on N-118				84°00' Lt.	
TP				6.26	T.P. Cont. from Sta. 1212+60.55	
TP				4.79	T.P. 1"x2" @ Sta.	Sand
				10.6	30' Rt	"
				14.0	64' Rt.	Bot. Bank [illegible]
				19.7	71' Rt	Top "
					⊼ AT N 118 SIGHT N 117	
	0 75	5 54		4 79	1X2 AT STA.	
			11	4 4	℄ SAND	
			09	4 6	1 FT RIGHT M. H. T.	
			51	0 4	∡ #1 3° 37	SAND AMONG ROCK
			72	-1 7	2 8 02	
			86	-3 1	3 12 49	
			107	-5 2	4 16 19	
			121	-6 6	5 21 30	
			131	-7 6	6 35 30	
			136	-8 1	7 41 31	
			142	-8 7	8 46 14	
			145	-9 0	9 48° 25'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.69 Division No. 11 F.B. 2821 Pg. 141
X-Sec. No. ____ Date ____ Date ____ Survey of [illegible] Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes ASC Date 6-23-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.

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

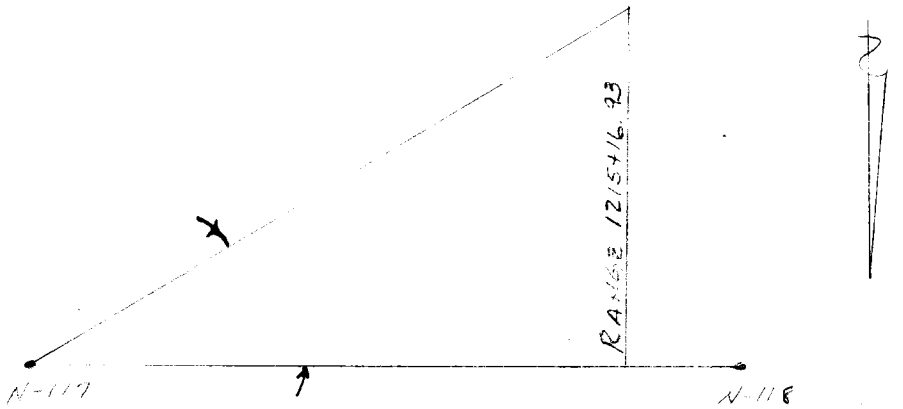
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 2821 Pg. 143

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

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DAN Date 6-23 67

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



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					
N-117	N-118	7:53	1	316	51			
			2	318	07			
			3	319	00			
			4	320	16			
			5	321	40			
			6	322	58			
			7	324	29			
			8	325	45			
			9	327	06			
			10	328	23			
			11	329	26			
			12	330	36			
			13	331	33			
			14	332	48			
			15	333	58			
			16	335	25			
			17	336	47			
			18	337	43			
			19	338	28			
			20	339	22			

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. 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	340	21			
			22	341	03 OK			
			23	340	53			
			24	341	37			
			25	342	22			
			26	343	24			
			27	344	27			
			28	345	51			
			29	346	33			
			30	347	19			
			31	347	59			
			32	348	36			
			33	349	24			
			34	350	17			
			35	351	11			
		7:59	36	352	23			

F. B. 2821 PG. 144

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. ____

SAME

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-118 1220+00.28.

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 1217+68.31			
	Sight on N-118				84°00' Lt.	
T.P.				4.79	T.P. [illegible]	
T.P.				6.34	T.P. 1"x2" [illegible]	
				11.1	35' [illegible]	
				13.5	58' [illegible]	
				18.5	65' Rt. Top "	
					⊼ AT N118, SIGHT ON N117	
	0 25	6 59		6.34	T.P. ℄ 1X2	
	~~0 25~~	6	0 4	6 2	℄ SAND	
			17 3	-10 7	∡ #1 74° 35'	
			15 8	-9 2	2 71 02	
			14 9	-8 1	3 67 04	
			13 9	-7 3	4 60 16	
			12 6	-6 0	5 53 32	
			10 2	-3 6	6 45 48	
			8 2	-1 6	7 37 19	ROCKS TO 3' DIA
			6 7	-0 1	8 25 55	
			5 6	1 0	38 FT LEFT	
			2 0	4 6	10 FT " M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0310.02 Division No. 11 F.B. 2821 Pg. 145
Date ____ Date ____ Survey of Malibu Mea. Hyd. Survey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes ASC Date 6-23-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.

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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

76L298 307 Cdb 12-62

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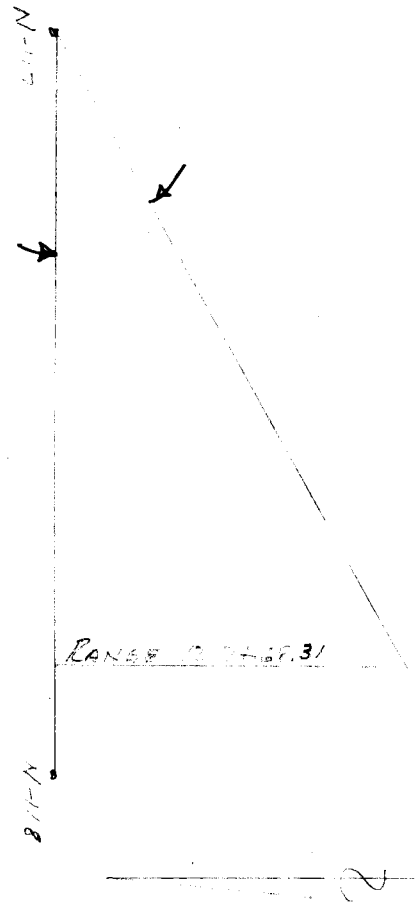
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-17	N-18	8:06	1	321	03			
			2	322	07			
			3	323	24			
			4	324	38			
			5	325	32			
			6	327	05			
			7	328	26			
			8	330	07			
			9	331	56			
			10	333	13			
			11	334	12			
			12	335	19			
			13	336	32			
			14	337	22			
			15	338	06			
			16	339	17			
			17	340	12			
			18	341	18			
			19	342	07			
			20	343	06			



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

Date____ Date____ Survey of MALIBU HYDRO SYSTEM

X-Sec. No.____ Notes Chkd.____ Checked____ Survey by RICHARDS Notes DON Date 2-23-69

Date____ Date____ Map No.____ Indexed____ Date____

F. B. 2821 PG. 147

F. B. 2821 PG. 148 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by _____ 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	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					
			21	343	59			
			22	344	51			
			23	345	44			
			24	346	29			
			25	347	25			
			26	348	14			
			27	348	50			
			28	349	15			
			29	350	11			
			30	350	32			
			31	351	28			
		8:11	32	352	08			
			33					

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. 1220+19.92			
	SIGHT ON N-119				79°15' Lt.	
TP				6.34	TP Cont. from Sta 1217+68.31	
TP				10.45	TP 1"X2" @ Sta. Sand	
				12.0	20' Pt. Sand under House	
[illegible]				11.69	TBM #30 El. 11.69 RB 3790-136 [illegible] Tie bolt 7 hrs Plank & Pile @ SE Cor No. # 26048 near N-115	
	+054	7 29		7.88	20' Lt. 1"X2" Sta. ~~Sand~~	
			+02	7.5	20 " " SAND	
			27	4.6	16 FT LEFT M.H.T.	
					⊼ AT 1217+68.31	SIGHT ON N115
			60	13	∡ #1 14° 11'	
			83	-10	2 19 18	
			102	-29	3 29 52	
			123	-50	4 36 45	
			128	55	5 39 44	
			131	-58	6 42 28	
			154	-81	7 46 46	
			158	-85	8 48 41	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 03001 F2 Division No. 11 F.B. 2821 PG. 149
Date ____ Date ____ Survey of Malibu Mesa Hyd. Survey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by ____ Notes ASC Date 6-22-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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

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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

76S420A - CE 353A - Cdb 9-62

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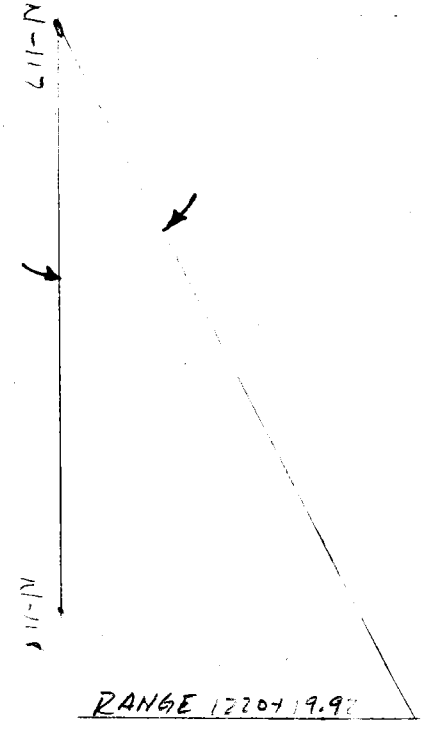
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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-117	N-118	8:17	1	322	56			
			2	323	41			
			3	324	36			
			4	325	29			
			5	326	16			
			6	327	02			
			7	327	56			
			8	328	51			
			9	329	57			
			10	330	54			
			11	331	51			
			12	332	56			
			13	334	31			
			14	335	37			
			15	336	44			
			16	338	28			
			17	338	56			
			18	339	29			
			19	340	09			
			20	340	39			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 151

No. Date Date Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes DON Date 6-23-69

No. Date Date Map No. Indexed Date

F. B. 2821 PG. 152

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

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by _____ 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.
			21	341	20			
			22	341	53			
			23	342	14			
			24	342	60			
			25	343	26			
			26	344	00			
			27	344	30			
			28	345	06			
			29	345	38			
			30	346	36			
			31	347	12			
			32	348	01			
			33	348	51			
			34	349	34			
			35	350	34			
			36	351	16			
			37	351	51			
			38	352	32			
		8:24	39	353	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. 1222+74.36			
Sight on N-119					79°15' Lt.	
T.P.				10.45	T.P. Cont. from Sta. 1220+17.72	
T.P.				8.47	T.P. 1"x2" @ Sta.	Sand
				13.4	27' Rd.	Sand @ House
	0 48	5 58 6		5.11	20' Lt. 1"x2" Sand	
					↑ AT 1217+68.31	SIGHT N 118
			151	-95	4 #1 33° 13	
			144	-88	2 30 03	
			128	-72	3 26 48	
			111	-55	4 23 32	
			102	-46	5 19 56	
			90	-34	6 16 36	OUTSIDE OF LARGE ROCK
			01	55	7 15 18	ON ROCK
			82	-26	8 13 16	INSIDE " "
			64	-08	9 10 28	
			47	09	10 8 04	
			10	46	3 FT LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 03 00 02 Division No. 11 F.B. 2821 Pg. 153
X-Sec. No. ____ Date ____ Date ____ Survey of [illegible] Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes A.S.C. Date 6-23-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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. _____

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

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

Do not extend notes this side of this line.

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

76-L-298 CE 307 5-66

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

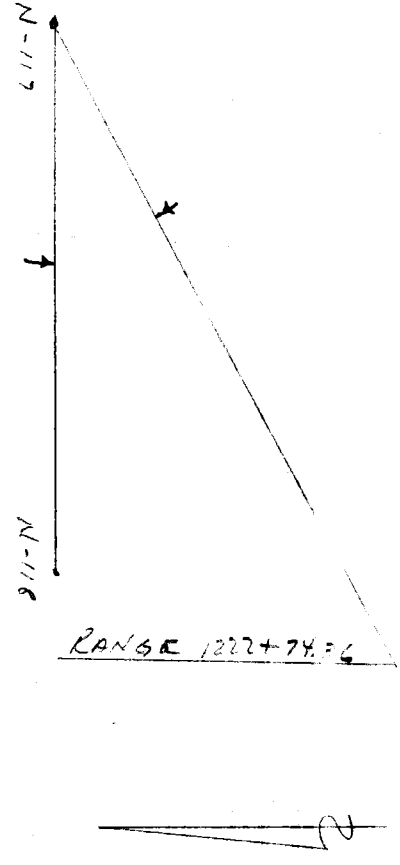
LOS ANGELES COUNTY SURVEYOR

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-117	N-118	8:33	1	324	38			
			2	326	03			
			3	326	58			
			4	327	55			
			5	328	45			
			6	329	39			
			7	330	37			
			8	331	18			
			9	332	33			
			10	333	03			
			11	334	12			
			12	335	02			
			13	336	12			
			14	337	09			
			15	337	53			
			16	338	46			
			17	339	46			
			18	340	39			
			19	341	11			
			20	341	43			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 155

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

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes Book Date 6-23-69

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

F. B. 2821 PG. 156 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by _____ 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.
			21	342	29			
			22	343	14			
			23	344	15			
			24	344	52			
			25	345	50			
			26	346	46			
			27	347	37			
			28	348	09			
			29	348	54			
			30	349	41			
			31	350	26			
			32	351	23			
			33	352	20			
			34	352	52			
		8:40	35	353	44			

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. 1225+28.80	
	Sight on N-119				79°16' Lt.	
[illegible]				3.42	T.P. Cont. from STA. 1225+28.80	
[illegible]				5.97	T.P. 1x2 @ STA.	[illegible]
				13.0	40' Lt. Sand - Blk.	
				[illegible]	64' Rt. [illegible]	
				[illegible]	96' Rt. Top "	
				4.44	10' Lt. 1x2 Sand,	
TBM #81				13.58	TBM #81 El. 13.58 F.R. 3791-136 Chis "+" [illegible] @ 24" Conc. Pipe drain	
					⊼ AT N118 SIGHT N119	
	035	479 8		4 44	T.P. 1x2 15' LEFT	
			09	3 9	10 FT LEFT SAND	
			02	4 6	6 FT LEFT M.H.T.	
			46	0 2	∡ #1 4° 29'	
			59	-11	2 9 21	
			85	-37	3 13 12	
			104	-56	4 17 56	
			105	-57	5 21 10	
			120	-72	6 23 58	
			123	-75	7 25 48	

CONT

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG. 157
No. ____ Date ____ Date ____ Survey of [illegible] Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-23-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 Pg. 158 Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

Survey by _____ Notes DREIER 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

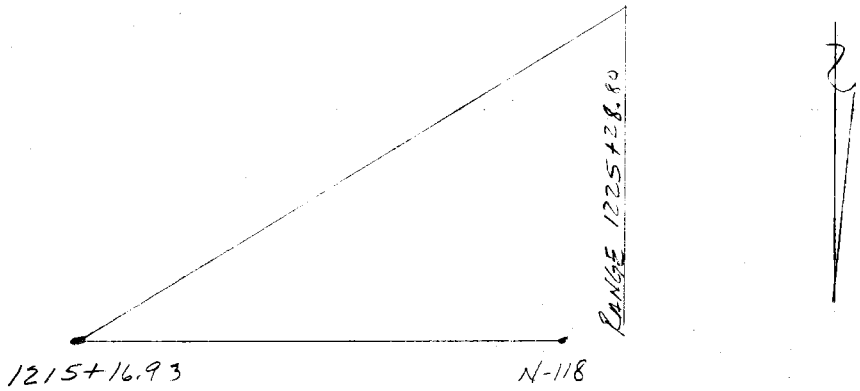
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	
		4 79			
			113	-65	CONT.
			138	-90	X #8 28° 04'
					9 29° 25'

Profile	Notes Red.	Plotted	Job No. 0200.02	Division No. 11	F. B. 2821	Pg. 159
No.	Date	Date	Survey of MALIBU HYDRO SURVEY			
X-Sec.	Notes Chkd.	Checked	Survey by RICHARDS	Notes DON	Date 6-23-69	
No.	Date	Date	Map No.	Indexed	Date	



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 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					
1215+17	N-118	9:04	1	304	59			
			2	305	50			
			3	307	00			
			4	307	57			
			5	309	10			
			6	310	24			
			7	311	46			
			8	312	52			
			9	313	56			
			10	314	59			
			11	316	17			
			12	317	17			
			13	318	34			
			14	319	46			
			15	320	47			
			16	321	43			
			17	322	59			
			18	324	24			
			19	325	21			
			20	327	07			

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.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			21	327	51			
			22	328	38			
			23	329	13			
			24	330	10			
			25	331	07			
			26	332	36			
			27	333	51			
			28	335	23			
			29	337	16			
			30	338	26			
			31	340	01			
			32	341	32			
		9:11	33	343	22			

F. B. 2821 PG. 160

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. _____

SAME

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-119 1228+74.94

STATION	B. S.	H. I.	F. S.	ELEV.		
			STA. 1227+83.24			
	Sight on N-119				79°16' Lt	
TBM #31				13.53	TBM #31 Cont.	
TP				7.78	TP 1"x2" [illegible]	Rocks
				8.3	22' Rt. Bot Bank [illegible]	
				23.[illegible]	60' Rt Top "	
				7.15	52' Lt. Kiel "+" Top Rock	
				15.33	TP only	
				24.[illegible]	TP	
TP				[illegible]	TP	
					T AT N 118 SIGHT N 119	
	054	769		7.15	52' Lt. TP "+" [illegible]	
			177	-100	X# 1 23° 46	
			152	-75	2 18 47	
			156	-79	3 16 00	
			133	-56	4 13 49	
			111	-34	5 11 25	
			90	-13	6 9 22	
			80	-03	7 6 56	
			63	14	8 5 07	
			52	22	50 FT LEFT	
					CONT. [illegible]	

DATUM
MEAN LOWER LOW WATER

LIMIT OF [illegible]
ABOUT OUTER [illegible]
SAND AT BASE OF ROCKS [illegible]

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 Pg. 161
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Creek Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 63-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 162 Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

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

Survey by _____ Notes DREIER 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.		
		769			CONT.	
			31	46	10 FT LEFT MIHT. SAND AMONG ROCKS & CONC.	
			17	60	℄ SAND " " "	

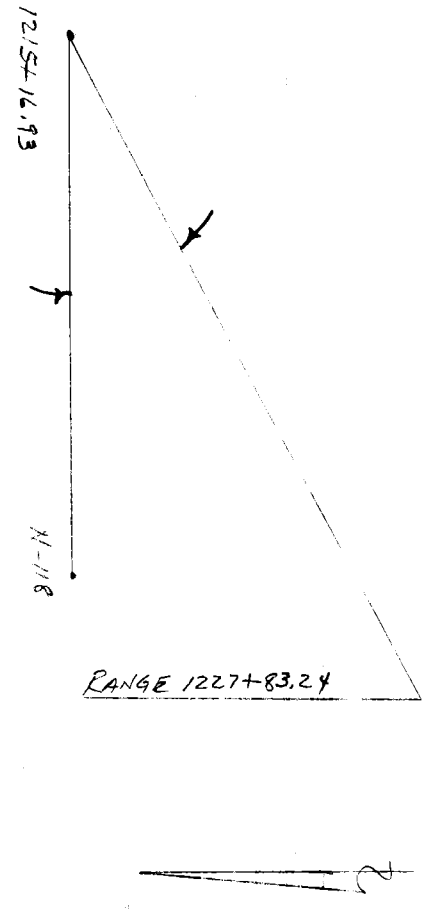
765420A - CE 353A - Cdb 9-62

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1215+17	N-118	9:24	1	310	08			
			2	310	53			
			3	311	60			
			4	312	51			
			5	314	11			
			6	315	33			
			7	316	35			
			8	317	53			
			9	319	10			
			10	321	03			
			11	322	07			
			12	323	14			
			13	324	20			
			14	325	32			
			15	326	55			
			16	328	18			
			17	330	04			
			18	330	59			
			19	332	32			
			20	333	57			



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 163
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-23-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 164 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by _____ 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	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					
			21	334	57			
			22	335	39			
			23	336	04			
			24	337	44			
			25	338	37			
			26	339	38			
			27	340	28			
			28	341	33			
			29	342	58			
			30	343	45			
			31	345	23			
			32	346	03			
		9:31	33	347	04			

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.

Profile No. ____ Date ____ Notes Chk'd. ____ Date ____
X-Sec. No. ____ Date ____ Checked ____ Date ____
Notes Red ____ Plotted ____ Job No. ____ Division No. 11
Survey of Malibu Creek Hyd. Survey
Survey by ____ Notes ____ Map No. ____ Indexed ____ Date 6-64
F.B. 2821 Pg. 165

STATION	B. S.	H. I.	F. S.	ELEV.		
				Sta 1230+41.83		
	Sight on N-120				73°21' Lt.	
TW				31.50	TW [illegible]	
TW				31.97	TW [illegible]	
				31.1	6' Lt. Top Bank	
				14.3	25' Lt. Bot Bank [illegible]	
				9.8	52' Lt. BRK Sand.	
				5.4	80' Lt. 1"x2" "	
TBM #82				13.88	TBM #82 El 13.88 El 3170-136 Chiot Tow Cook & Cherry Point	
					⊼ AT N118 SIGHT ON N119	
	0.43	5.88 9		5.45	80 FT LEFT T.P. 1"x2"	
			0.9	50	" SAND	
			1.3	4.6	82 FT LEFT M.H.T.	
			4.7	1.2	100 " "	SOFT [illegible]
			6.2	-0.3	⊼ #1 7°52	DATUM MEAN LOWER LOW WATER
			8.7	-2.5	2 9 44	
			13.7	-7.8	3 12 00	
			11.2	-5.3	4 11 35	IN
			11.6	-5.7	5 13 43	
			13.6	-7.7	6 15 04	

CONT.

F. B. 2821 PG. 166 Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

Survey by _____ Notes DREIER 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.	
		5.88			
			15.5	-9.6	
			15.6	-9.7	
					CONT. 4 #7 16°46' 8 18°03'

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

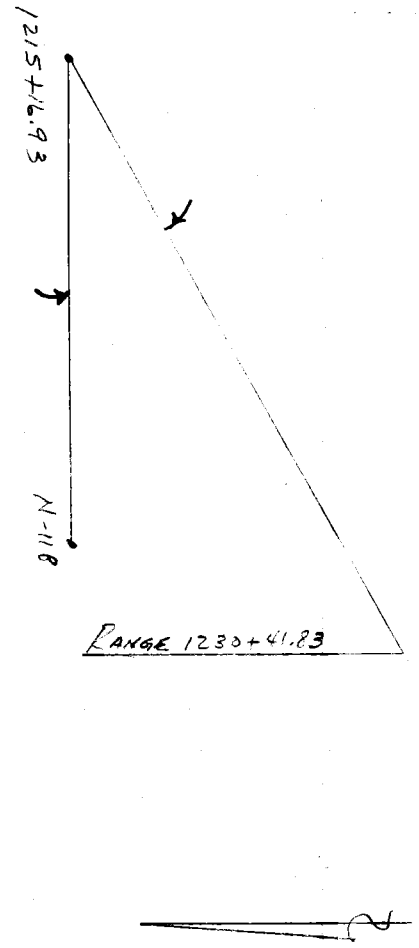
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED ICK, 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					
1215+17	N-118	9:39	1	313	36			
			2	314	33			
			3	315	40			
			4	317	05			
			5	318	24			
			6	319	49			
			7	321	09			
			8	322	32			
			9	323	56			
			10	325	30			
			11	327	14			
			12	328	41			
			13	330	00			
			14	331	10			
			15	332	27			
			16	333	36			
			17	334	60			
			18	336	03			
			19	337	18			
			20	338	09			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2821 PG. 167

No. Date Date Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes DON Date 6-23-69

No. Date Date Map No. Indexed Date

F. B. 2821 PG. 168

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

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by _____ 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	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					
			21	339	10			
			22	340	30			
			23	342	23			
			24	343	53			
			25	345	10			
		9:45	26	346	00			

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. 1233+02.76			
	Sight on N-120				73°21' Lt	
[illegible]				5 45	[illegible]	
[illegible]				[illegible]	T.P. [illegible] " " "	
				[illegible]	[illegible]	
				[illegible]	4' [illegible]	
				[illegible]	25' Lt [illegible]	
				5 37	67' Lt. 1"x2" [illegible]	
TBM #33				[illegible]	[illegible]	
	011	5 48		5 37	T.P. 1X2 67' LEFT	(⊼ AT N118 SIGHT ON N119)
			15 5	-10 0	∡ #1 17° 42'	
			13 2	-7 7	2 16 12	
			15 5	-10 0	3 14 47	
			13 4	-7 9	4 13 39	
			10 5	-5 0	5 12 12	
			11 8	-6 3	6 10 57	
			8 2	-2 7	7 9 04	
			9 2	-3 7	8 9 26 OUT	
			7 6	-2 1	9 8 30	
			5 9	0 4	10 6 51	

CONT.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 Pg. 169
Date ____ Date ____ Survey of [illegible] Survey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-23-69
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 Pg. 170 | Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile

Survey of MALIBU HYDRO Date ____ Date ____ No. ____

Survey by RICHARDS Notes DREIER 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.

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.

STATION	B. S.	H. I.	F. S.	ELEV.	
		548			
			46 09	09 46	CONT.
					98 FT LEFT
					65 " " RIGHT.

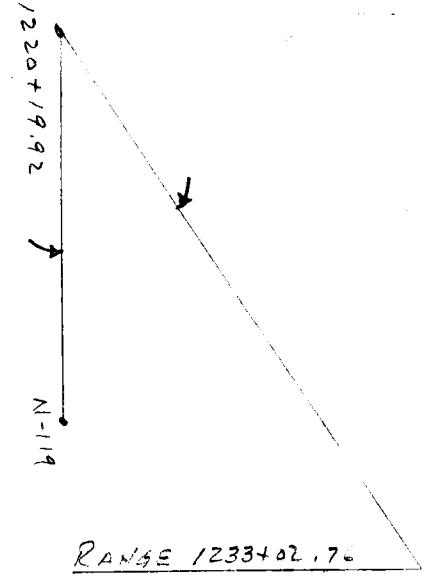
765420A - CE 353A - Cdb 9-62

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1220420	N-119	9:57	1	311	41			
			2	312	40			
			3	313	47			
			4	315	24			
			5	316	59			
			6	317	47			
			7	318	44			
			8	320	00			
			9	320	59			
			10	321	57			
			11	322	57			
			12	324	07			
			13	325	41			
			14	326	51			
			15	328	00			
			16	329	08			
			17	330	54			
			18	332	15			
			19	333	15			
			20	334	22			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG. 171
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by RICHARDS Notes DON Date 6-23-69
Map No. ____ Date ____ Indexed ____ Date ____

F. B. 2821 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 _____ 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	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					
			21	336	02			
			22	338	05			
			23	339	13			
			24	340	19			
			25	341	24			
			26	342	39			
			27	344	11			
		10:03	28	345	38			

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0000-02 Tape — Std — °F
Office Work	Surveyed by RICHARDS
Checked	Notes UNAUDIT Date 6-23-69
Date	Indexed

F. B. 2821 PG. 173

TIDE GAGE READINGS
JUNE 23, 1969
TIME — P.S.T.
DATUM — M.L.L.W.

TIME	TIDE
6:00	2.1
6:30	1.8
7:00	1.7
7:30	1.4
8:00	1.3
8:30	1.2
9:00	1.1
9:30	1.2
10:00	1.3
10:30	1.6
11:00	1.8
11:30	2.1
12:00	2.4
12:30	2.6
1:00	3.2
1:30	3.6
2:00	3.9

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. 2821 PG. 174

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

Do not extend this side of this line.

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

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. 1235+63.69		
	Sight on N-120				73°21' Lt.	
T.P.				32.67	T.P. [illegible]	
T.P.				[illegible]	T.P. [illegible] 7' off Sct Rt. @ STa.	
				11.2	8' Lt [illegible]	
T.P.				7.7[illegible]	T.P. 35' Lt 1"x2" Sand	
T.P.						
T.B.M. #[illegible]				12.55	T.B.M. #[illegible]	
					⊼ at 1245+[illegible]	SIGHT ON N 120
	-0.60	7.15		7.7[illegible]	T.P. 35' Left	
			+0.2	7.4	35' Left Sand	
			2.6	4.6	43 [illegible] " " [illegible]	
			6.4	[illegible]	X #1 12° 50'	
			7.8	-0.6	2 14 16	
			8.6	-1.4	3 15 58	
			11.5	-4.3	4 18 46	
			13.2	-6.0	5 20 42	
			14.5	-7.3	6 23 09	
			15.0	-7.8	7 26 01	
			14.0	-6.5	8 27 54	
			15.8	-8.6	9 30 49	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. [illegible] Division No. 11 F.B. 2821 PG. 175
X-Sec. No. ____ Date ____ Date ____ Survey of Malibu Mica Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 176 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.

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

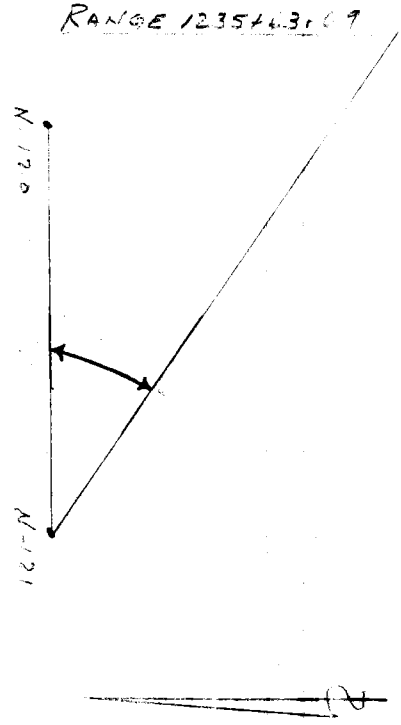
LOS ANGELES COUNTY SURVEYOR

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-121	N-120	7:58	1	45	29			
		PST	2	43	51			
			3	42	03			
			4	40	25			
			5	38	16			
			6	36	26			
			7	34	04			
			8	32	40			
			9	31	00			
			10	29	27			
			11	28	03			
			12	26	21			
			13	24	53			
			14	23	22			
			15	21	40			
			16	20	24			
			17	19	22			
			18	18	17			
			19	17	14			
			20	16	26			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 28921 Pg. 177

No. Date Date Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes DON Date 6-24-69

No. Date Date Map No. Indexed Date

F. B. 2821 Pg. 178

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

Date _____ Date _____ No. _____

Survey of _____ Checked _____ X-Sec.

Survey by _____ Notes Chkd. _____

Indexed _____ Date _____ Date _____ No. _____

Notes _____

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. 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	15	19			
			22	14	16			
			23	13	42			
			24	12	58			
			25	12	14			
			26	11	13			
			27	10	08			
		8:04	28	9	18			

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-120 1240+39.98

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA. 1238+24.62		
	Sight on N-120				73° 21' Lt.	
TP #85				45.[illegible]	[illegible] 31" R.	El. 45.25 FB. [illegible]
T.P.				36.[illegible]	T.P. 1"x3" @ STA.	
				31.7	[illegible]	[illegible]
				[illegible]	49' Lt.	[illegible]
T.P.				6.87	[illegible]	72' Lt. 1"x3" [illegible]
TP #21				[illegible]	T.P. #84 [illegible]	FB. [illegible]
					T AT 1245+3[illegible]	SIGHT ON [illegible]
	[illegible]	67.4		6[illegible]	TP	72 LEFT [illegible]
				60	" "	SAME
			169	[illegible]	A 1	36° 36
			147	[illegible]	5	31 59
			130	[illegible]	3	28 58
			12[illegible]	[illegible]	4	24 43
			101	[illegible]	5	20 08
			83	[illegible]	6	17 26
			64	[illegible]	7	15 23
			28	39	11 FT LEFT	SAME
			21	46	84 " "	"

[illegible] DATUM
[illegible] LOW WATER

[illegible] N.G.T.

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-14-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 179

F. B. 2821 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.

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

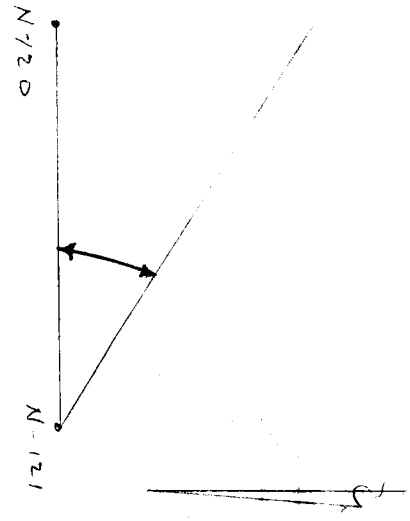
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-121	N-120	8:12	1	51	06			
			2	49	34			
			3	47	41			
			4	45	33			
			5	43	57			
			6	42	09			
			7	41	13			
			8	39	18			
			9	37	47			
			10	36	22			
			11	34	44			
			12	33	59			
			13	32	33			
			14	31	19			
			15	30	31			
			16	30	02			
			17	28	09			
			18	26	34			
			19	45	13			
			20	22	42			

RANGE 1238+24.-2



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 2300.02 Division No. 11 F. B. 2821 Pg. 181
X-Sec. No. ____ Date ____ Date ____ Survey of VALLEY HYDRO SURVEY
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by RICHARDS Notes DOAL Date 6-24-69
Map No. ____ Date ____ Indexed ____ Date ____

F. B. 2821 PG. 182 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by _____ 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.
			21	20	59			
			22	19	13			
			23	17	33			
			24	16	19			
			25	14	52			
			26	13	45			
			27	12	39			
			28	11	56			
			29	10	40			
			30	9	59			
			31	9	10			
		8:20	32	8	23			

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	1240+	39.98 (N-120)	
	Sight on N-121				73°21' Lt.	
TP				6.67	TP Shot from Sta. 1238+22.62	
TBM #85				45.25	TBM #85 1" IP @ Sta	
				36.5	33' Lt. Top Bank	
				17.0	54' Lt. Bot "	
TP				6.02	TP 120' Lt. 1"x2"	
TBM #82				18.98	TBM #86 El. 18.98 FB. 3790 - 138 Bt. Spk. & L in Mid. Bend Conc. Culv.	
					At 1235+22.72 Sight on N 120	
	6.14	6.54		6.65	TP 100' Left	
			0.4	[illegible]	" " " Land	
			[illegible]	4.6	117 " " " M.H.T.	
			61	04	1 16° 32'	
			69	-0.4	2 18 46	
			80	-2.5	3 22 36	
			113	-5.12	4 25 57	
			140	-7.3	5 28 57	
			139	-7.0	6 30 51	
			149	-8.0	7 34 00	
			167	-10.2	8 37 06	
			172	-10.4	9 39 67	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 Pg. 183
No. ____ Date ____ Date ____ Survey of ____ Notes ____ Date ____
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.

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.

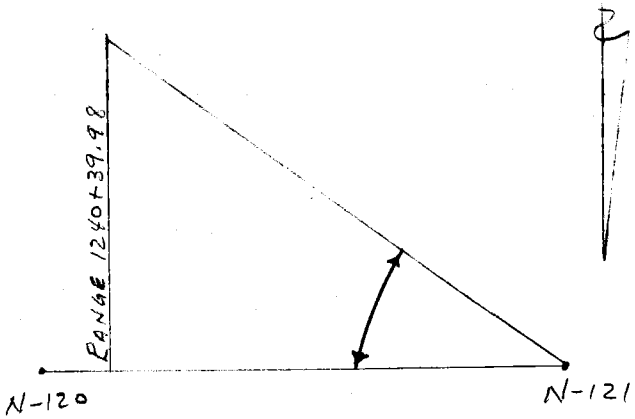
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 185

Date _____ Date _____ Survey of MALIBU HYDRO SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-24-69

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



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					
N-121	N-120	8:28	1	40	09			
			2	38	45			
			3	37	47			
			4	36	18			
			5	35	35			
			6	34	48			
			7	33	27			
			8	31	59			
			9	30	36			
			10	29	04			
			11	27	21			
			12	25	36			
			13	23	54			
			14	22	25			
			15	21	26			
			16	20	01			
			17	18	10			
			18	16	27			
			19	14	48			
			20	13	38			

76S420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 186 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by _____ 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	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					
			21	12	41			
			22	11	24			
			23	10	07			
			24	8	59			
		8:34	25	8	04			

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. 1242+89.98		
		Sight on N-121			90°00' Lt	
TBM #86				18.98	T.B.M. #86 Cont.	
				48.9	30' Rt.	Top Bank
T.P.				13.88	7.0' 1"x3' @ Sta	Bot. Bank Sand
				10.74	36' Lt Brk.	Sand 1"x3"
				5.77	65' Lt. 1"x3"	
TBM #87				16.84	T.B.M. #87 El. 16.84	F.B. 3770-138 Pk.
					in Edge painted	Rock
						AT 1245+35.95
	-0.15	5.84		5.99	7.0' 65 ft Left	
			02	5.6	65 " "	Sand
			13.1	-7.3	1	54° 57'
			13.5	-7.7	2	50 55
			12.1	-6.3	3	45 32
			11.6	-5.8	4	43 02
			9.6	-3.8	5	36 35
			7.3	-1.5	6	29 49
			6.3	-0.5	7	25 50
			5.1	0.7	8	21 40
			1.2	4.6	70 ft Left of H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of Field Log Hydrographic Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes 6-21 Date 6-21-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2821 PG. 787

F. B. 2821 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.

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.

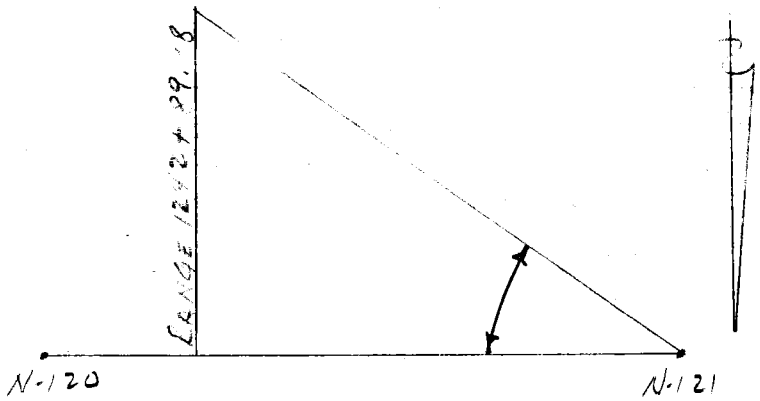
76-L-298 CE 307 5-66

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. ____ F. B. 2821 Pg. 189

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

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-24-69

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



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 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-120	N-120	8.47		45	[illegible]			
				42	[illegible]			
				41	47			
				40	[illegible]			
				38	43			
				[illegible]	[illegible]			
				36	[illegible]			
			8	34	24			
			9	32	53			
			10	30	55			
			11	30	04			
			12	28	56			
			13	28	02			
			14	26	22			
			15	24	30			
			16	22	17			
			17	20	29			
			18	18	58			
			19	17	32			
			20	16	01			

76S420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 190

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

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					
			21	14	49			
			22	13	45			
			23	12	40			
			24	11	15			
			25	10	18			
			26	9	26			
			27	8	32			
		8:54	28	8	01			

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. 1245+39.98	
		Sight on N-121			90°00' Lt	
T.P.				13.88	T.P. Cont. from STA. 1242+87.98	
T.P.				11.35	T.P. 1"x2 @ STA. Sand	
				12.6	31' Rt. Sand Bot Bank	
	045	679		6.34	34' Lt. 1"x2" @ STA. Sand	
			09	59	34' [illegible] SAND	
			22	46	43 [illegible] LEFT M.H.T.	
					⊤ AT 1257+89.98 SIGHT ON N 120	
			61	07	X-#1 3° 25'	
			75	-07	2 4 27	
			97	-29	3 5 47	
			131	-63	4 7 40	
			127	-59	5 7 11	IN
			140	-72	6 9 06	
			146	-78	7 10 53	
			158	-90	8 12 22	
			152	-84	9 13 34	
			164	-96	10 16 25	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 191
No. ____ Date ____ Date ____ Survey of Malibu Aqueduct Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes ASC Date 6-24-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.

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

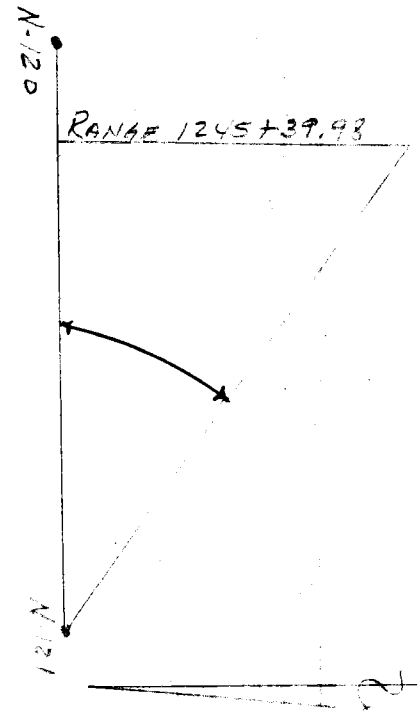
LOS ANGELES COUNTY SURVEYOR

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.	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-121	N-120	9:13	1	50	31			
			2	49	10			
			3	47	41			
			4	46	20			
			5	45	01			
			6	43	43			
			7	42	29			
			8	41	20			
			9	40	05			
			10	38	37			
			11	37	37			
			12	35	17			
			13	34	19			
			14	33	17			
			15	31	37			
			16	30	09			
			17	28	36			
			18	26	57			
			19	25	14			
			20	23	38			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 193

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

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes DON Date 6-24-69

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

F. B. 2821 PG. 194

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

Survey of _____ SAME Date _____ Date _____ No. _____

Survey by _____ 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	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					
			21	21	39			
			22	19	47			
			23	18	13			
			24	16	29			
			25	15	25			
			26	13	28			
			27	12	03			
			28	10	52			
			29	9	19			
		9:20	30	8	22			

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. 1247+89.98	
					Sight on N-121	90°00' Lt.
TP				[illegible]	[illegible]	
TP				10.39	TP 1"x2" @ Sta.	Sand
				12.1	30' Rt.	Brk. Sand
				12.3	47' Rt.	Brk. Sand Sand
	-0.09	6.76		6.85	23' Lt. 1"x2" ~~Sand~~	
			0.4	6.4	23" SAND	
			~~15.4~~	~~8.6~~	7 AT 1247+89.98	SIGHT ON N-121
			15.4	-8.6	4 #1 18° 40'	
			14.7	-7.9	2 15 33	
			12.3	-5.5	3 13 35	
			12.0	-5.2	4 11 00	
			11.2	-4.4	5 8 27	
			6.0	0.8	6 7 30	ON ROCK [illegible]
			9.0	-2.2	7 7 02	
			7.3	-0.5	8 5 25	
			6.2	0.6	9 3 53	
			2.2	4.6	35 FT. LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03[illegible] Division No. 11 F.B. 2821 Pg. 195
No. ____ Date ____ Date ____ Survey of Calabasas Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-24-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.

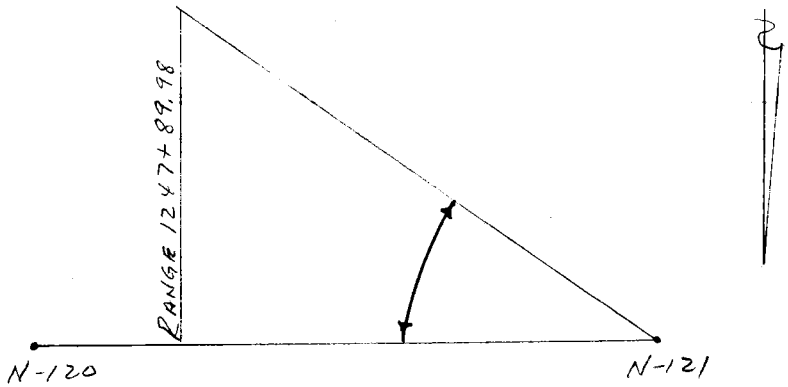
76-L-298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. _____ F. B. 2821 Pg. 197

Date _____ Date _____ Survey of MALIBU HYDRO SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-24-69

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



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					
N-121	N-120	9:42	1	55	43			
			2	54	10			
			3	52	34			
			4	51	02			
			5	49	39			
			6	48	00			
			7	46	08			
			8	44	34			
			9	43	29			
			10	42	31			
			11	41	25			
			12	40	10			
			13	39	17			
			14	37	42			
			15	36	26			
			16	34	21			
			17	32	02			
			18	29	44			
			19	27	15			
			20	25	08			

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. Deg.	Angle Min.	For Office Use Only		
						Range Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	23	51			
			22	21	34			
			23	20	04			
			24	18	28			
			25	17	18			
			26	15	27			
			27	13	40			
			28	12	13			
			29	10	38			
		9:49	30	8	39			

Profile No. ____ X-Sec. No. ____

Plotted ____ Date ____ Checked ____ Date ____

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

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

Survey of ____

Survey by ____

Indexed ____

F. B. 2821 Pg. 198

SAME

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. 1250+37.98		
	Sight on N-121				90°00' Lt.	
[illegible]				10.37	[illegible]	
[illegible]				9.23	T.P. 1"x2" @ [illegible]	Sand
				11.7	35' [illegible]	[illegible]
				14.2	67' [illegible]	[illegible]
				[illegible]	19' [illegible]	
[illegible]				[illegible]	T.B. [illegible] #[illegible] [illegible]	[illegible]
	001	6 6		6 15	T.P. 1x2 19'	(⊼ at 1257+[illegible] Sight on N-121)
			26	5 6	19 [illegible] Sand	
			1[illegible]	[illegible]	24 [illegible] " " [illegible]	
			46	1 6	4 #1 3° 29'	
			64	-02	2 5 25	
			80	-18	3 7 08	
			101	-39	4 9 05	
			117	-55	5 12 34	
			125	-63	6 16 40	
			123	-61	7 19 31	
			144	-82	8 24 18	
			153	-91	9 29 55	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 2821 Pg. 199
X-Sec. No. ____ Date ____ Date ____ Survey of [illegible] Date 6-24-69
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date ____
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.

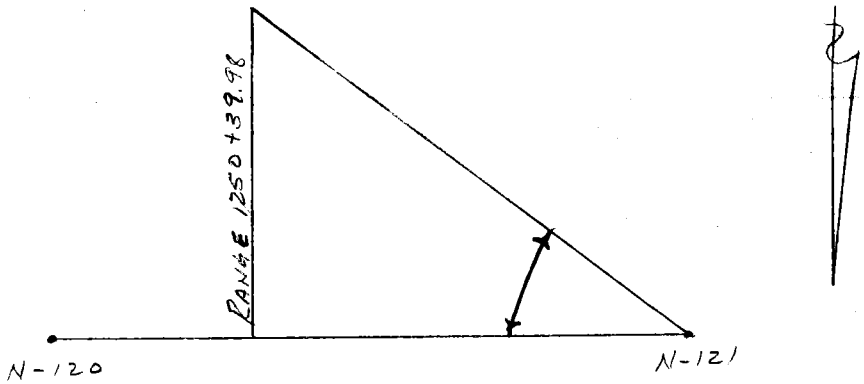
76-L.298 CE 307 5.66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 2300.02 Division No. 11 | F. B. 282 | Pg. 201

Date _____ Date _____ Survey of MALIBU HYDRO SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes DON Date 6-24-69

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



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					
N-121	N-120	10:00	1	63	16			
			2	62	09			
			3	61	12			
			4	60	11			
			5	59	19			
			6	58	28			
			7	57	11			
			8	56	28			
			9	55	18			
			10	53	50			
			11	51	59			
			12	50	25			
			13	49	12			
			14	48	26			
			15	48	03			
			16	47	13			
			17	45	23			
			18	43	20			
			19	41	48			
			20	40	32			

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.

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. 2821 PG. 202

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	39	31			
			22	37	47			
			23	36	08			
			24	34	19			
			25	32	32			
			26	30	12			
			27	27	55			
			28	24	19			
			29	22	15			
			30	20	03			
			31	18	04			
			32	16	26			
			33	14	32			
			34	12	25			
		10:09	35	9	17			

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. 1252+89.98			
	SIGHT ON N-121				90°00' Lt.	
				[illegible]	[illegible]	
				[illegible]	[illegible]	
				7.20	[illegible]	
				11.6	25' [illegible]	
				18.8	50' [illegible]	
				30.3	60' [illegible]	
					⊼ 1257+89.98	SIGHT ON N120
	-0.42	6.78		7.20	T.P. N2 [illegible]	
			17.3	-10.5	Δ #1 43° 23'	
			15.5	-8.7	2 38 41	
			13.8	-7.2	3 33 20	
			12.1	-5.3	4 27 07	
			9.3	-2.3	5 21 22	
			11.8	-5.0	6 18 32	
			9.7	-2.9	7 14 05	
			8.3	-2.0	8 8 57	
			7.0	-0.2	9 6 37	
			5.7	1.1	10 4 18	
			2.2	4.6	14 FT LEFT [illegible]	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 6-[illegible]-68
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 Pg. 203

F. B. 2821 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

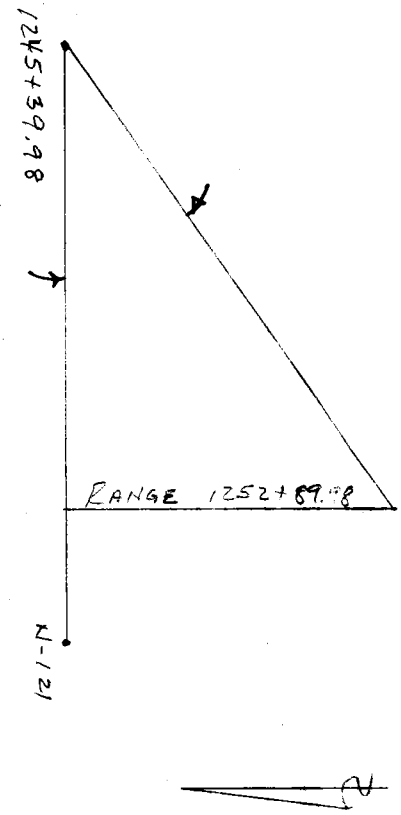
76S420A - CE 353A - Cdb 9-62

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 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					
1245+40	N-121	10:23	1	291	57			
			2	292	37			
			3	293	20			
			4	293	54			
			5	294	40			
			6	295	35			
			7	296	04			
			8	296	35			
			9	297	30			
			10	298	09			
			11	298	42			
			12	299	19			
			13	300	02			
			14	300	50			
			15	302	01			
			16	303	20			
			17	304	32			
			18	305	24			
			19	307	25			
			20	309	09			



Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2821 PG. 205
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
Notes Chkd. ____ Date ____ Checked ____ Date ____ Map No. ____ Survey by RICHARDS Notes DON Date 6-24-69
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	310	28			
			22	311	27			
			23	313	29			
			24	315	53			
			25	318	21			
			26	319	54			
			27	321	30			
			28	324	15			
			29	326	32			
			30	330	35			
			31	332	16			
			32	334	53			
			33	338	59			
			34	340	52			
			35	344	32			
			36	346	59			
		10:32	37	349	05			

F. B. 2821 PG. 206

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

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

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. 1255+39.98				
SIGHT ON N-121							90°00' Lt.	
				7.23	7.93	[illegible]		
				9.94	7.93	1'x2" @ Sta.	Sand. Brk.	
				12.0		40' Rt.	[illegible]	
				30.1		70' Rt.	Top "	
	0.37	[illegible]		5.33	35' Lt.	1"x2" Sand.		
						⊥ AT 1252+89.98	SIGHT ON N-21	
			1.6	4.8	35 ft LEFT	SAND		
			1.3	4.6	37 "	" "	M.H.T.	
			3.5	[illegible]	53 "			BESW [illegible]
			5.2	[illegible]	X-1	15°	39'	
			8.4	-0.6	2	25	01	
			7.9	-2.1	3	33	05	
			9.4	-4.1	4	37	27	
			11.4	-5.6	5	43	56	
			11.1	-5.3	6	47	00	
			12.7	-6.9	7	53	22	
			14.1	-8.3	8	57	38	
			12.8	-7.0	9	58	56	
			15.0	-9.2	10	60	20	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2871 Pg. 207
No. ____ Date ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes ASC Date 6-24-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 208 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

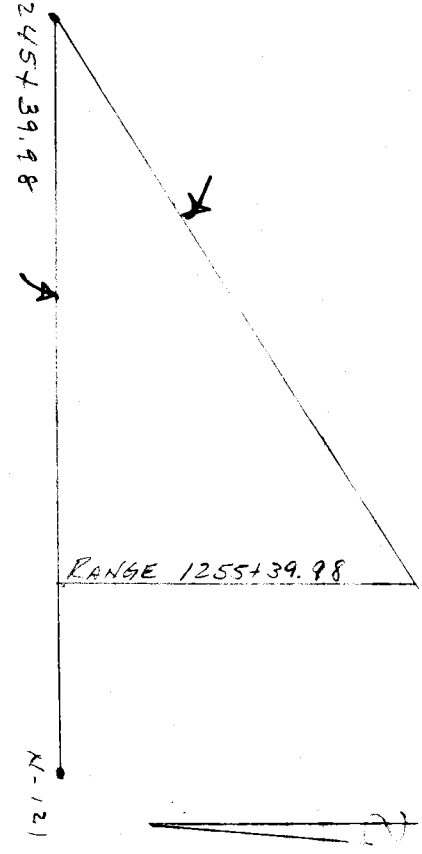
765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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					
1245+40	N-121	10:41	1	298	40			
			2	299	16			
			3	300	03			
			4	301	03			
			5	301	55			
			6	302	37			
			7	302	58			
			8	303	08			
			9	303	45			
			10	304	02			
			11	304	16			
			12	305	20			
			13	306	36			
			14	307	43			
			15	308	42			
			16	309	35			
			17	310	35			
			18	311	38			
			19	313	42			
			20	315	41			



Profile No.____ Notes Red.____ Plotted____ Job No. 1220.08 Division No. 11 F. B. 2821 Pg. 209
X-Sec. No.____ Date____ Date____ Survey of WHITE SIL HYDRO SURVEY
Notes Chkd.____ Date____ Checked____ Date____ Survey by RICHARDS Notes DON Date 6-24-69
Map No.____ Date____ Indexed____ Date____

F. B. 2821 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 _____ 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	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					
			21	317	05			
			22	318	59			
			23	320	20			
			24	321	00			
			25	322	20			
			26	324	18			
			27	325	58			
			28	328	10			
			29	328	34			
			30	330	39			
			31	333	33			
			32	335	14			
			33	337	23			
			34	339	21			
			35	342	03			
			36	343	39			
			37	346	35			
		10:52	38	349	15			

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-121 1259+45.37

STATION	B. S.	H. I.	F. S.	ELEV.		
					STA. 1257+89.98	
	Sight	on N-121			90°00' Lt.	
				9.97	TP 10.0' from 1255+39.33	
				12.51	TP 1'x1' Sand	
				16.4	46 Rt. Sand @ Hole	
				12.7	18 Rt. Brk. Sand	
				7.14	66 Rt. 1'x8" Sand	
TBM #89				14.32	TBM #89 El. 14.32 FB 2004-K, Pg. 11 8" Steel Post Well Monument	
					⊼ AT 1252+89.98 SIGHT on N-121	
	-0.66	6.48		7.14	TP 60.0' Left	
			5.51	-8.6	A #1 41° 20'	
			14.6	-8.1	2 38 57	
			12.7	-6.2	3 35 11	
			13.5	-7.0	4 31 23	
			10.6	-3.5	5 28 34	
			9.0	-2.5	6 25 09	
			8.6	-3.1	7 23 22	
			7.1	-0.6	8 17 05	
			6.4	0.1	9 13 31	
			5.0	1.5	10 11 04	
			1.9		73 Ft Left Sand M.H.T.	
			-0.1	6.7	60 " " Sand	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 Pg. 211
No. ____ Date ____ Date ____ Survey of ____
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date 6-14-62
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.

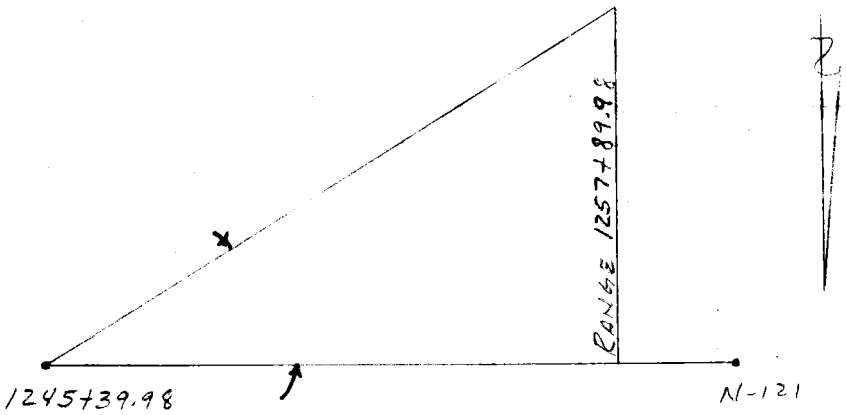
Do not extend notes this side of this line.

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

Profile	Notes Red.	Plotted	Job No. 0300.02	Division No.	F. B. 2821 Pg. 213
No.	Date	Date	Survey of MALIBU HYDRO SURVEY		
X-Sec.	Notes Chkd.	Checked	Survey by RICHARDS	Notes DON	Date 6-24-69
No.	Date	Date	Map No.	Indexed	Date



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 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					
1245+40	N-121	11:06	1	304	11			
			2	305	10			
			3	306	36			
			4	308	06			
			5	309	44			
			6	311	31			
			7	312	06			
			8	313	23			
			9	314	11			
			10	316	05			
			11	317	24			
			12	318	25			
			13	319	38			
			14	321	01			
			15	322	54			
			16	325	52			
			17	328	28			
			18	330	26			
			19	333	43			
			20	336	08			

76S420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 214

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. _____

SAME

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	337	25			
			22	339	15			
			23	341	29			
			24	342	49			
			25	344	42			
			26	346	07			
			27	347	42			
		11:14	28	349	00			

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 2520-02 Tape Std °F
Office Work	Surveyed by RICHARDS
Checked	Notes HARRIET Date 6-24-69
Date	Indexed

F. B 2821 PG. 215

TIDE GAGE READINGS
JUNE 24, 1969
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	2.8
6:30	2.6
7:00	2.5
7:30	2.2
8:00	1.9
8:30	1.8
9:00	1.6
9:30	1.6
10:00	1.6
10:30	1.7
11:00	1.9
11:30	2.0
12:00	2.4
12:30	2.8
1:00	3.2
1:30	3.6
2:00	4.0

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 2821 PG 216

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

Do not extend this side of this line.

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

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. 1261+95.37		
	Sight on N-122				90°00' Lt.	
T.B.M. #89				[illegible]	T.B.M. #89 [illegible]	
TP				2.13	[illegible]	
				4.1	13' Rt. [illegible]	
				11.2	31½ Rt. [illegible]	
TP				4.64	T.P. only	
					⊼ AT 1252+89.98 SIGHT ON N 12[illegible]	
	314	527		2 13	T.P. 1X2 STA.	
			35	18	℄ SAND	
			07	46	20 FT RIGHT M.H.T.	
			42	11	8 FT LEFT	
			44	09	∡ #1 9° 15'	
			56	-03	2 11 29	
			82	-29	3 13 10	
			88	-35	4 16 15	
			91	-38	5 20 16	
			107	-54	6 24 51	
			90	-37	7 25 23	
			117	-64	8 30 30	
			172	-119	9 33 52	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2821 PG. 217
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes ____ Date 6-24-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 218 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

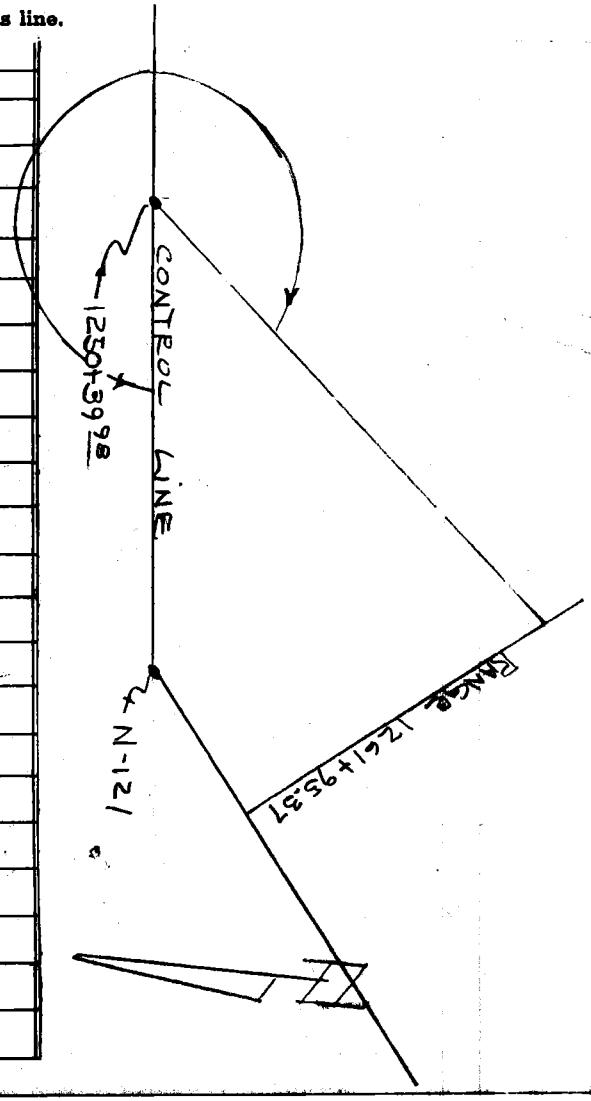
765420A - CE 353A - Cdb 9-62

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1250+40	N-121	8:12	1	280	37			
		P.S.T.	2	282	33			
			3	284	29			
			4	286	15			
			5	287	16			
			6	287	54			
			7	289	24			
			8	290	55			
			9	292	20			
			10	294	18			
			11	295	49			
			12	297	40			
			13	299	21			
			14	300	01			
			15	301	45			
			16	303	39			
			17	306	02			
			18	308	37			
			19	310	39			
			20	312	49			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 219
No. Date Date Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes DON Date 6-25-69
No. Date Date Map No. Indexed Date

F. B. 2821 PG. 220 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

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

Survey by W.A. RICHARDS Notes J.J BAZEN 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	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					
250+40	N-121		21	316	21			
			22	317	59			
			23	320	51			
			24	324	55			
			25	327	58			
			26	331	38			
			27	333	48			
			28	335	47			
			29	337	02			
			30	338	54			
			31	340	17			
	P.S.T.	8:19	32	341	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. 1264+45.37			
		Sight on N-122			90 80' Lt	
TP				46[illegible]	[illegible] STa 1261+[illegible]	
TP				10.4[illegible]	[illegible] on Back @ STa.	
				11.5	135 Rt. Bot. [illegible]	
				14.0	135 Rt. Top " "	
				[illegible]	[illegible] Sand	
	174	556		3.[illegible]	28' [illegible] 1"x2" Sand	
		6			⊼ 1252 + 89.98	SIGHT ON V121
			138	-82	⊼ #1 30° 21'	
			131	-75	2 28 10	
			118	-62	3 23 25	
			101	-45	4 21 38	
			96	-40	5 (19) 14 14	(BAD ANGLE?)
			71	-15	6 17 07	
			60	-04	7 15 01	
			48	08	8 13 35	
			27	29	30 FT LEFT	
			10	46	20	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG. 221
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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

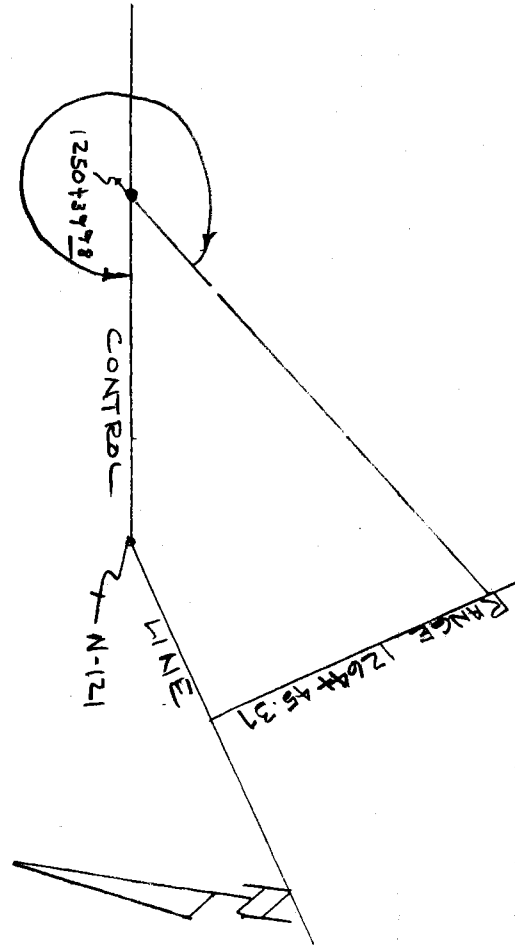
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED ICK, 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					
1250+40	N-121	8:51	1	292	31			
		P.S.T.	2	293	36			
			3	295	21			
			4	296	43			
			5	297	57			
			6	299	10			
			7	300	41			
			8	301	47			
			9	302	28			
			10	303	08			
			11	304	22			
			12	306	45			
			13	308	24			
			14	309	06			
			15	310	18			
			16	310	54			
			17	312	09			
			18	313	13			
			19	313	36			
			20	315	41			



Profile Notes Red. Plotted Job No. 2000.82 Division No.

No. Date Date Survey of MALISU HILLS SURVEY

X-Sec. Notes Chkd. Checked Survey by CLEARDS Notes DEW Date 6-25-69

No. Date Date Map No. Indexed Date

F. B. 2821 Pg. 23

F. B. 2821 PG. 224 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

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

Survey by RICHARDS Notes J. J. B. 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	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					
1250+40	N-121		21	317	52			
			22	319	50			
			23	321	00			
			24	322	17			
			25	323	36			
			26	325	41			
			27	327	32			
			28	328	08			
			29	329	13			
			30	331	50			
			31	334	11			
			32	335	40			
			33	337	22			
	P.S.T.	8:38	34	338	45			

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.		
Sight on N-122				Sta. 1266+95.37		[illegible]
T.P.				10.49	T.P. Cont. from Sta. 1264+45.37	
T.P.				5.47	T.P. [illegible] @ Sta. Sand	
				7.3	20' Rt. Bot Conc. [illegible]	
				14.7	20' Rt. Top " " "	
				4.63	15' Lt. 1"x2" Sand.	
				13.30	T.B.M. #90 El. 13.30 F.B. [illegible] Rt. L & S.B. Top in Mark - 1264+30.17	
					⊼ AT 1264+45.37	SIGHT ON N122 AHEAD
	001	5 48 5		547	T.P. 1X2 ℄ STA.	
			09	46	8 FT LEFT M.H.T	
			40	15	30 " " SAND	
			47	08	∡ #1 12° 01'	
			56	-01	2 20 50	
			62	-07	3 29 45	
			70	-15	4 37 31	
			81	-26	5 44 06	
			112	-57	6 52 27	
			99	-44	7 50 17	IN
			107	-52	8 54 49	
			131	-76	9 58 10	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2821 PG. 225
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 ____ Date ____

F. B. 2821 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.

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

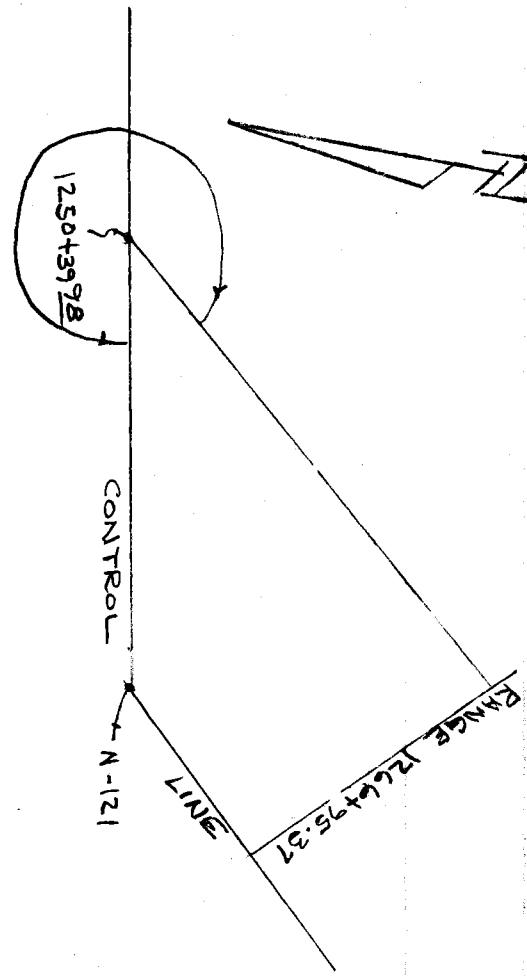
76S420A - CE 353A - Cdb 9-62

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1250+40	N-121	8:45	1	294	52			
		P.S.T.	2	296	04			
			3	297	23			
			4	298	42			
			5	299	47			
			6	301	33			
			7	303	06			
			8	304	34			
			9	306	14			
			10	308	07			
			11	309	48			
			12	311	25			
			13	312	48			
			14	314	03			
			15	315	33			
			16	316	54			
			17	318	32			
			18	319	32			
			19	321	10			
			20	322	21			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 2821 Pg. 227
No. Date Date Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes DON Date 6-25-69
No. Date Date Map No. Indexed Date

F. B. 2821 PG. 228 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of MALIBU HYDRO. SURVEYS Date Date No.

Survey by RICHARDS Notes J.J.B. 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	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					
1250+40	N-121		21	323	26			
			22	324	41			
			23	326	02			
			24	327	27			
			25	328	47			
			26	330	24			
			27	332	07			
			28	333	13			
	P.S.T.	8:52	29	334	20			

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. 1264+45.37			
Sight on N-122					90°00' Lt.	
T.P.				5.47	T.P. Cont. from [illegible]	
T.P.				9.[illegible]	T.P. [illegible] @ STA. [illegible]	
				10.3	40' Rt.	
				[illegible]	80' Lt. [illegible]	
T.B.M. [illegible]				11.65	[illegible]	
					AT 1264+45.37 SIGHT ON N122	
	-005	604		609	T.P. 122 20 FT LEFT	
			165	-105	1 40° 38'	
			142		2 35 47	
			129		3 32 26	
			120	-60	4 28 17	
			90		5 23 05	
			54		6 18 00	
			76		7 19 25 OUT	
			51		8 14 20	
			20		9 12 03	
			49		10 10 15	
			42		11 08 07	BEGIN SAND
			19	46	31 FT LEFT M.H.T.	

DATUM
MEAN LOWER LOW WATER
ROCK REEF

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

F.B. 2821 PG. 229

F. B. 2821 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.

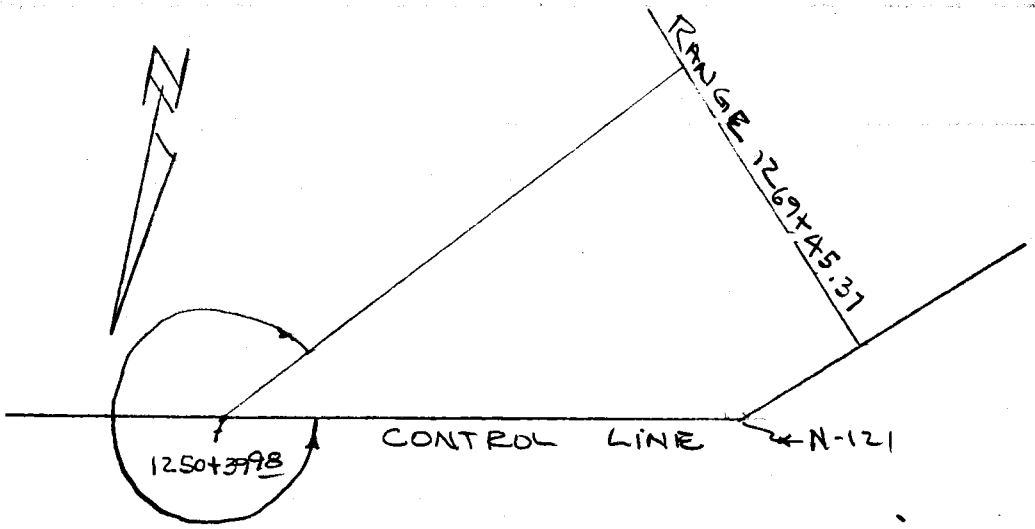
Do not extend notes this side of this line.

PLEASE RETURN TO
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	Notes Red.	Plotted	Job No. 0300.02	Division No. 11	F. B. 2821	Pg. 231
No.	Date	Date	Survey of MALIBU HYDRO SURVEY			
X-Sec.	Notes Chkd.	Checked	Survey by RICHARDS	Notes DON	Date 6-25-69	
No.	Date	Date	Map No.	Indexed	Date	



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					
1250+40	N-121	9:02	1	303	10			
		P.S.T.	2	305	04			
			3	306	57			
			4	308	33			
			5	309	46			
			6	310	52			
			7	312	32			
			8	313	58			
			9	315	55			
			10	317	22			
			11	318	42			
			12	320	49			
			13	322	20			
			14	323	53			
			15	325	40			
			16	327	42			
			17	329	03			
			18	329	56			
			19	330	53			
			20	332	25			

76S420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 232 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of MALIBU HYDRO. Surveys | Date | Date | No.

Survey by RICHARDS | Notes J.J.B. | 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.
1250+40	N-121		21	333	22			
			22	334	04			
			23	334	56			
			24	336	00			
		P.S.T. 9:08	25	336	44			

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

Do not extend notes this side of this line.

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

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.	1269+88.51	N-122
	Sight on N-123					122°52' Lt
TBM #71				11.65	TBM #71 (Cont)	
T.P.				6.04	TP 1"x2" @ 5"	Sand
				7.0	31' Rt	Sand
	0 63	6 06		5.92	[illegible] 1"x2"	Sand
			12	4 9	10 " SAND	
			1 5	4 6	14 " " M.H.T	
					⊼ AT 1264+45.37	SIGHT N 122 REEF ROCKS
			4 0		4 #1 0° 26	END OF SAND BEGIN
			52		2 7 38	MANY ROCK
			55		3 10 21	REEFS 10 TO
			100		4 16 48	15 FT APART
			98		5 18 49	
			135		6 22 07	
			135		7 24 07	
			67		8 26 12	
			158		9 27 33	
			148		10 29 08	
			165		11 30 59	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG. 233
No. ____ Date ____ Date ____ Survey of Malibu Area Hyd Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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

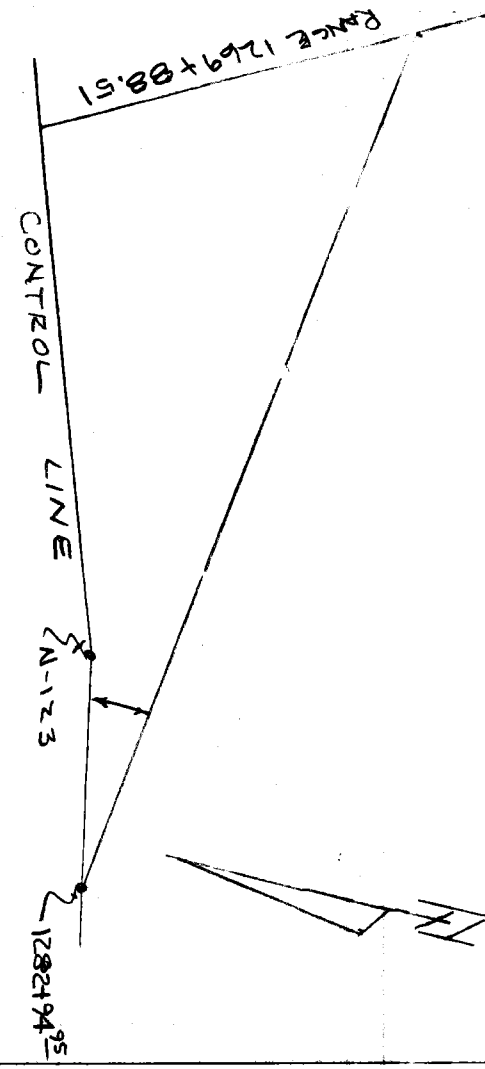
765420A - CE 353A - Cdb 9-62

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1282+95	N-123	9:36	1	23	01			
		P.S.T	2	22	30			
			3	21	38			
			4	21	10			
			5	20	54			
			6	20	16			
			7	19	45			
			8	19	33			
			9	19	12			
			10	18	24			
			11	17	44			
			12	17	11			
			13	16	43			
			14	16	17			
			15	15	40			
			16	14	54			
			17	14	31			
			18	13	39			
			19	13	00			
			20	11	59			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2821 Pg. 235
No. Date Date Survey of PUBLIC HYDRO SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes DON Date 6-25-69
No. Date Date Map No. Indexed Date

F. B. 2821 PG. 236 Job No. 030002 Division No. 11 Notes Red. _____ Plotted _____ Profile

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

Survey by RICHARDS Notes J.J.B. 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	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					
1282+95	N-123		21	11	13			
			22	10	31			
			23	9	33			
			24	8	52			
			25	8	20			
			26	7	32			
			27	7	05			
			28	6	29			
			29	5	54			
	P.S.T.	9:42	30	5	11			

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. 1269+98.94			
	Sight on N-123					101°52' Lt
TBM #91				11.65	TBM #91 (Cont)	
T.P.				[illegible]	T.P. 1"x2" @ Sta.	(Sand)
				8.7	20' Rt. Brk	Sand
				7.[illegible]	48' Rt.	"
	023	603		5.30	15' Lt. 1"x2" Sand.	
					⊼ AT 1275+41.45	SIGHT ON N 12[illegible]
			174	-114	A #1 32° 22'	
			155	-95	2 30 37	
			152	-92	3 27 10	
			127	-67	4 24 28	
			120	-60	5 23 13	MANY ROCK REEF
			84	-24	6 21 24	ABOUT 90° TO [illegible]
			106	-46	7 19 19	
			98	-38	8 16 15	
			69	-09	9 14 26	
			69	-09	10 11 08	
			48	12	11 10 16 TOP OF REEF	
			62	-02	12 8 22 BETWEEN REEFS	
			47	13	13 5 43	

CONT.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Date ____ Job No. ____ Division No. ____ Survey of [illegible] Survey by [illegible] Notes [illegible] Date [illegible]

X-Sec. No. ____ Date ____ Notes Chk'd. ____ Checked ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2821 PG. 237

F. B. 2821 PG. 238 Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile

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

Survey by RICHARDS Notes DREIER 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

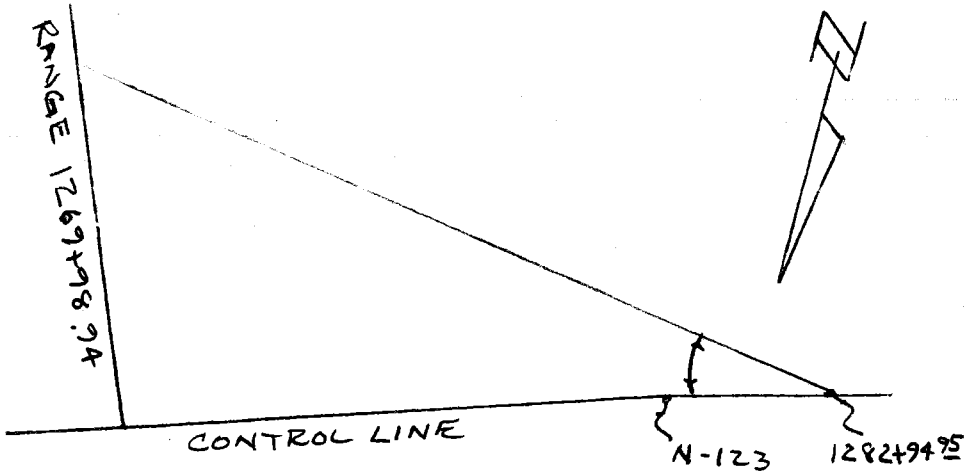
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	
		6 03			CONT.
			41	19	47 FT LEFT BEGIN SAND
			14	46	15 " " M.H.T.

Profile	Notes Red.	Plotted	Job No. 0300,02	Division No. 11	F. B. 2821	Pg. 239
No.	Date	Date	Survey of MALIBU HYDRO Survey			
X-Sec.	Notes Chkd.	Checked	Survey by RICHARDS	Notes J.J.B.	Date 6-25-69	
No.	Date	Date	Map No.	Indexed	Date	



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					
1282+95	N-123	9:47	1	33	09			
		P.S.T.	2	31	57			
			3	31	09			
			4	30	00			
			5	28	53			
			6	27	30			
			7	25	41			
			8	23	48			
			9	22	27			
			10	20	49			
			11	19	30			
			12	17	52			
			13	16	30			
			14	15	10			
			15	13	54			
			16	12	37			
			17	11	53			
			18	10	54			
			19	9	58			
			20	9	03			

76S420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 240 Job No. 130002 Division No. 11 Notes Red. _____ Plotted _____ Profile

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

Survey by RICHARDS Notes J.J.B. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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	7	46			
	PST.	9:51	22	6	34			

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

Do not extend notes this side of this line.

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

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. 1270 + 36.37 ROT.	
	Sight on N-123				81°52' Lt.	
T.B.M. #71				[illegible]	T.B.M. #71 (cont)	
[illegible]				11.19	[illegible] Top Rock	
				13.2	[illegible]	[illegible]
				17.4	[illegible] Top " "	
				8.18	4' Lt. 1"x2" Sand & Rocks	
—	078	604		5.26	25' Lt. 1"x2" Sand	
			10	50	" " SAND	
			14	46	28 " " M.H.T.	
			34		53 " " BEGIN ROCK REEFS	
					⊼ AT 1275 + 41.45 SIGHT ON N 122	
			49		∡ 1 8° 44'	
			62		2 13 50	
			61		3 15 49	Bot
			46		4 16 36	TOP REEF
			89		5 19 47	
			66		6 23 35	
			118		7 27 14	
			139		8 30 08	
			125		9 33 46	

DATUM
MEAN LOWER LOW WATER

CONT.

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG. 241
No. ____ Date ____ Date ____ Survey of [illegible] Hyd. Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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.			
		604					
			121	-61	X #10	35° 41'	
			170	-110	11	38 03	
			178	-118	12	39 40	
		ESTIM.	205	-145	13	42 02	(MAY BE ± OF 1 FOOT)

F.B. 2821 PG. 242 Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of MALIBU AREA HYDRO Date ____ Date ____ No. ____
Survey by RICHARDS Notes DREIER Notes Chk'd. ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ Date ____ No. ____

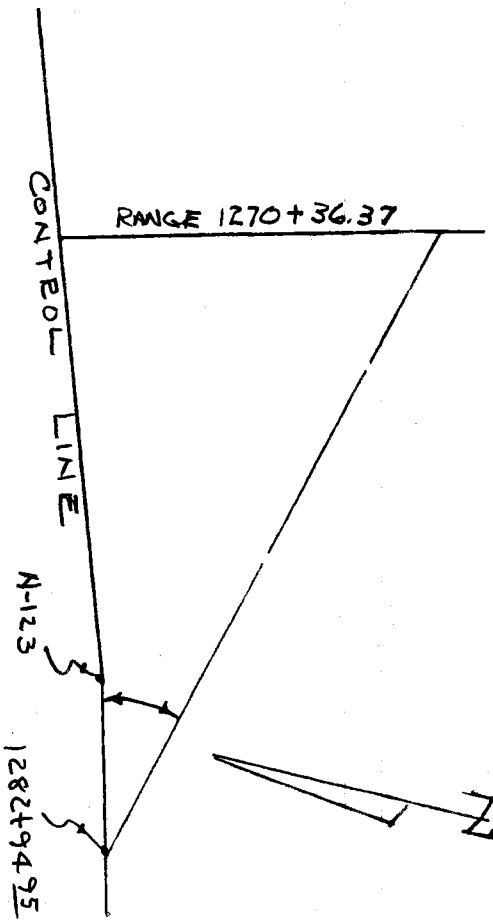
765420A - CE 353A - Cdb 9-62

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.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1282+95	N-123	9:55	1	43	39			
		P.S.T.	2	42	16			
			3	40	46			
			4	39	06			
			5	37	41			
			6	35	45			
			7	35	00			
			8	34	01			
			9	33	15			
			10	31	44			
			11	30	22			
			12	28	55			
			13	27	02			
			14	25	01			
			15	23	21			
			16	22	04			
			17	20	45			
			18	19	44			
			19	18	30			
			20	16	35			



Profile Notes Red. ____ Plotted ____ Job No. 0300.03 Division No. 11 F.B. 2821 Pg. 243
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.N.B. Date 6-25-69
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 244 Job No. 030003 Division No. 11 Notes Red. _____ Plotted _____ Profile

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

Survey by RICHARDS Notes J.J.B. 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.
			21	15	48			
			22	15	19			
			23	13	55			
	RST.	10:00	24	12	51			

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.

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. 1272+88.91			
	Sight on N-123					81°52' Lt.
[illegible]				11.19	T.P. [illegible] STA. 1270+[illegible]	
[illegible]				12.46	T.P. [illegible]	
				13.[illegible]		12' Rt. [illegible]
				17.3		12' Rt Top [illegible]
				11.0	17' Lt. [illegible]	
				7.52	[illegible]	
T.P.				13.58	T.P. El. 1358 [illegible] 3770-139 [illegible] spk.	
					T AT 1275+41.45	SIGHT ON N 122
	-071	681		7.52	T.P. 30 FT LEFT	
			158	-9.0	1 66° 32'	
			160	-9.2	2 63 45	
			155	-9.0	3 60 24	
			142	-7.4	4 54 45	
			108	-4.0	5 47 59	
			115	-4.7	6 50 20	OUT [illegible]
			102	-3.4	7 42 15	
			77	-0.9	8 36 58	
			68	0.0	9 23 18	
			54	1.4	10 17 48	

CONT.

DATUM
MEAN LOWER LOW WATER

ROCKY

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG. 245
X-Sec. No. ____ Date ____ Date ____ Survey of [illegible] Hyd. Survey
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date ____
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 PG. 246 Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of MALIBU HYDRO Date _____ Date _____ No. _____

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

Indexed _____ 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.

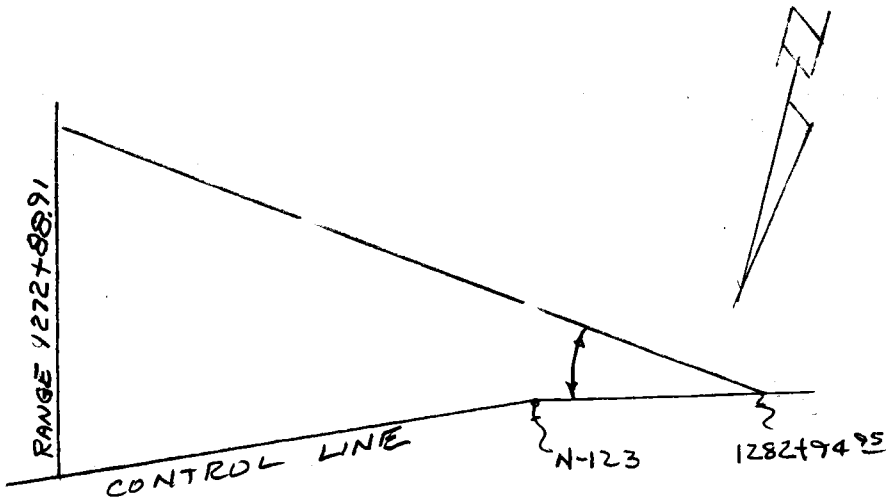
STATION	B. S.	H. I.	F. S.	ELEV.	
		681			
			22	46	CONT.
			+01	69	45 FT LEFT M.H.T.
					30 FT " SAND

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 030002 Division No. 11 F. B. 2821 Pg. 247

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

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes JJB. Date 6-25-69

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



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					
1282+95	N-123	10:00	1	52	33			
		P.S.T.	2	51	27			
			3	50	26			
			4	49	02			
			5	47	09			
			6	45	49			
			7	44	23			
			8	42	58			
			9	41	12			
			10	39	29			
			11	38	26			
			12	37	55			
			13	37	25			
			14	35	14			
			15	34	20			
			16	33	37			
			17	32	12			
			18	30	29			
			19	28	56			
			20	27	13			

765420A - CE 353A - Cdb 9-62

F. B. 2821 PG. 248 Job No. 0300,02 Division No. 11 Notes Red. _____ Plotted _____ Profile

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

Survey by RICHARDS Notes J. J. B. 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.
			21	25	33			
			22	23	38			
			23	21	56			
			24	20	19			
			25	19	23			
			26	17	54			
			27	16	57			
	P.S.T.	10:11	28	15	31			

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. 1275 + 41.45		
Sight on N-123						81°52' Lt
T.P.				13.53	T.P. (Cont)	
T.P.				13.65	T.P. 1"x2" @ Sta.	Sand (Bk)
				13.1		22' Rt Bot. wd. [illegible]
				17.1		22' Rt Top " " "
				6.20	36 Lt. 1"x2" Sand.	
T.B.M. #92				14.53	T.B.M. #92 El 14.53 of the Bolt Thru S.E. Pile [illegible]	F.B. 3790-[illegible] [illegible]
					⊼ AT 1272 + 88.91	SIGHT ON N123
	0.17	6.37		6.20	T.P. 1x2 36 ft Left	
		4	18	4.6	45 ft Left [illegible]	
			50	1.4	X #1 15° 23'	
			70	-0.6	2 25 40	
			92	-2.8	3 29 32	
			118	-5.4	4 35 20	
			91	-2.7	5 40 10	O.K. Rock
			120	-3.6	6 43 21	
			150	-8.6	7 46 49	
			138	-7.4	8 49° 54'	
			153	-8.9	9 52° 45'	
			174	-11.0	10 53 48	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG. 249
X-Sec. No. ____ Date ____ Date ____ Survey of [illegible]
Notes Chk'd. ____ Checked ____ Survey by [illegible] Notes ____ Date 6-75
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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. _____

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
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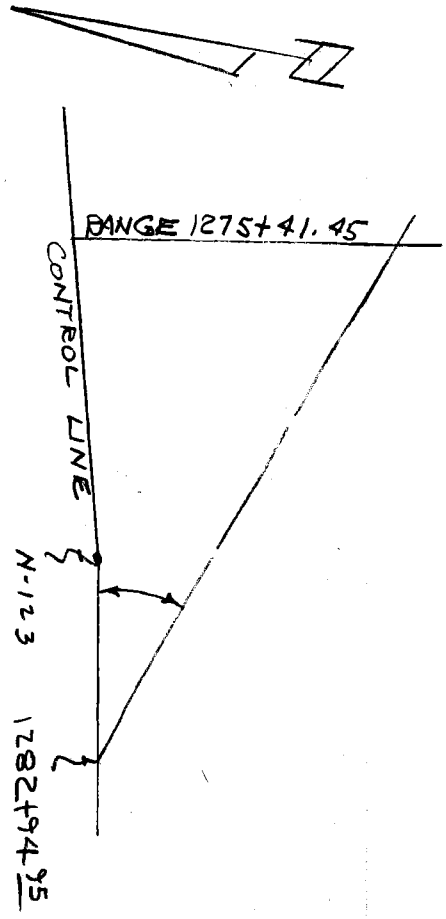
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1282+95	N-123	10:17	1	62	04			
		P.S.T.	2	60	47			
			3	59	57			
			4	58	54			
			5	57	55			
			6	56	11			
			7	54	54			
			8	53	45			
			9	52	19			
			10	51	22			
			11	51	00			
			12	50	35			
			13	49	47			
			14	48	41			
			15	47	01			
			16	45	14			
			17	44	20			
			18	42	50			
			19	41	45			
			20	39	59			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 2821 Pg. 251
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO SURVEY
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.J.B Date 6-25-69
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. 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	37	02			
			22	34	41			
			23	32	05			
			24	28	21			
			25	27	04			
			26	24	47			
			27	23	37			
			28	21	31			
	P.S.T.	10:23	29	19	20			

F. B. 2821 Pg. 252 Job No. 05002 Division No. 11 Notes Red. Plotted Profile
Survey of MALIBU HYDRO SURVEY Date Date No. X-Sec.
Survey by RICHARDS Notes S.J.B. Notes Chkd. Checked
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. N-123 1278+77.08

STATION	B. S.	H. I.	F. S.	ELEV.		
				STA. 1277+93.99		
SIGHT on N-123						81°52' Lt.
T.B.M. #92				14,53	T.B.M. #92 (CONT.)	
				11,57	T.P. 1"x2" @ STA.	Sand
				13.5	12' Rt.	Brk. Sand
				13.6	39' Rt. Bot. Wd. Ret Wall	Sand
				17.4	39' Rt Top	
				5,69	32' Lt. 1"x2" sand.	
T.B.M. #93				14,25	T.B.M. #93 El. 14.25 FB.3796-139 Bt. Spk. in wood pile - wd. Ret. wall - Near N-123	
					⊼ AT 1272+88.91	SIGHT ON N 123
	0 69	63,8		5 69	T.P. 1x2 32' LEFT	
			13	51	32 Ft LEFT SAND	
			166	-102	∠ #1 32° 49'	
			168	-104	2 30 52	
			141	-77	3 28 01	
			110	-46	4 22 50	
			105	-41	5 20 07	
			94	-30	6 15 50	
			76	-12	7 13 29	
			69	-05	8 11 10	

CONT

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2821 PG. 253
X-Sec. No. ____ Date ____ Date ____ Survey of Malcolm Mc Donald Survey
Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2821 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.	
		638			
			57	01	CONT
			48	16	X #9 7° 30'
			18	46	10 6 28
					35 FT. LEFT M.H.T.

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

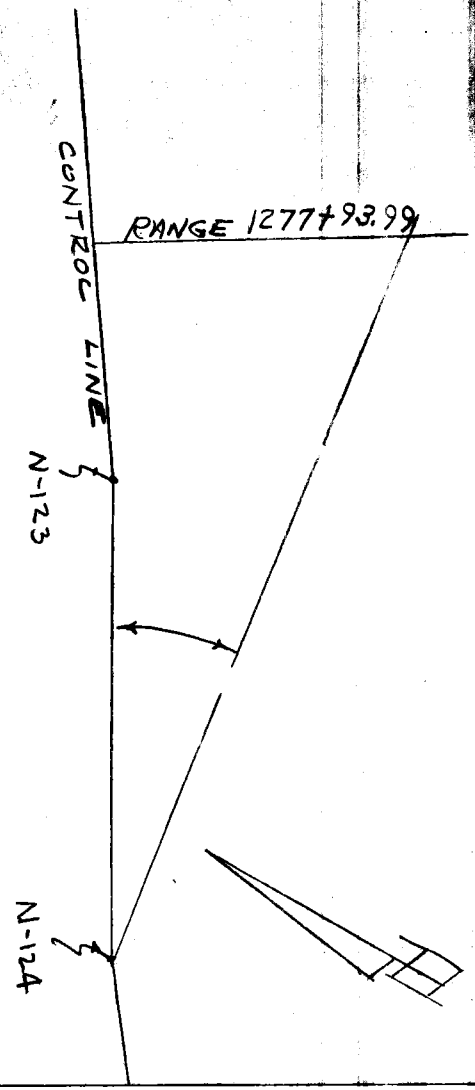
LOS ANGELES COUNTY SURVEYOR

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-124	N-123	10:37	1	46	33			
		P.S.T.	2	45	29			
			3	43	52			
			4	42	27			
			5	40	40			
			6	39	29			
			7	38	08			
			8	36	44			
			9	35	17			
			10	34	17			
			11	32	18			
			12	31	22			
			13	29	57			
			14	27	46			
			15	26	08			
			16	25	09			
			17	24	32			
			18	23	44			
			19	21	29			
			20	19	59			



Profile Notes Red. Plotted Job No. 03002 Division No. 11 F. B. 2821 Pg. 255

No. Date Date Survey of MALIBU HYDRO SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J. J. B. Date 6-25-69

No. Date Date Map No. Indexed Date

F. B. 2821 PG. 256 Job No. 030002 Division No. 11 Notes Red. _____ Plotted _____ Profile

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

Survey by RICHARDS Notes J.J.B. Notes Chkd. _____ Checked _____

Indexed _____ Date _____ Date _____ Date _____

								P.S.T.												
								10:43												
								32	31	30	29	28	27	26	25	24	23	22	21	
								8	9	10	12	12	13	14	16	16	17	18	19	
								37	36	47	13	58	48	35	17	49	46	38	35	

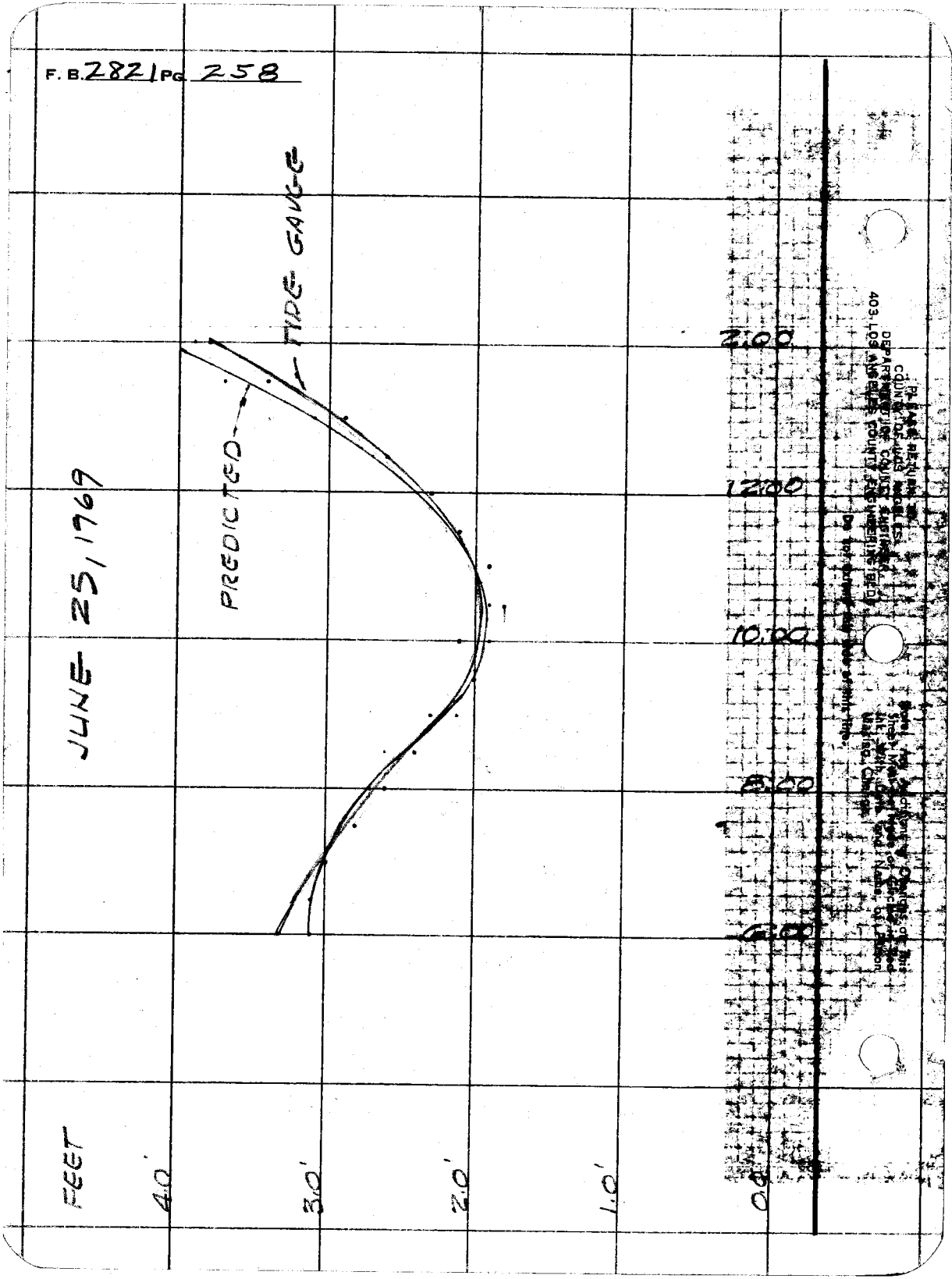
Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0300.02 Tape — Std — °F
Office Work	Surveyed by RICHARDS
Checked	Notes HARRIET Date 6-25-69
Date	Indexed

F. B. 2821 PG. 257

TIDE GAGE READINGS
JUNE 25, 1969
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	3.3
6:30	3.2
7:00	3.0
7:30	2.8
8:00	2.6
8:30	2.4
9:00	2.3
9:30	2.0
10:00	2.1
10:30	1.8
11:00	1.9
11:30	2.1
12:00	2.3
12:30	2.6
1:00	2.9
1:30	3.4
2:00	3.8

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. 2821 PG 258