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

Survey of MALIBU AREA HYD. SUR.
JN 0300.02 Tape — Std — °F
Surveyed by W.A. RICHARDS
Notes W.A.R. Date 9-67
Indexed C.S. CALL 1 7 67

F. B. 3793 PG. 5

J.N. 0300.02

MALIBU AREA HYDROGRAPHIC SURVEYS

CROSS-SECTION SURVEYS

FROM STA. 943+09.57 N.
TO STA. 1074+32.95 N.
CONTINUED FROM F.B. 3792 PG. 234
FOR CONTROL LINE SURVEY SEE F.B. 3790: 9-82, INC.
DATUM = M.L.L.W.
SURVEY LETTER NO. 4707, 4707-A

RICHARDS BAZEN FOULGER TURRILL BANKSON GOODWIN LOMONT	WILSON ADAMS MANLEY TULLIER FISHER	DREIER WILKS SIEMANN McKNIGHT GEROLD GREGG AMUNDSON	SWIMMERS

Microfilmed July '85

DATUM
MEAN LOWER LOW WATER

BLANK

F. B. 3793 Pg. 6

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403 Los Angeles County Engineering Bldg.

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

Survey of MALIBU AREA HYDROGRAPHIC SURVEY
JN 0300.02 Tape Std °F
Surveyed by RICHARDS
Notes HARRIET Date 4-10-67
Indexed C. J. GALLI

F. B. 3773 PG. 7

TIDE GAGE READINGS
APRIL 10, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	1.7
6:30	2.3
7:00	2.7
7:30	3.2
8:00	3.4
8:30	3.8
9:00	3.9
9:30	4.0
10:00	3.9
10:30	3.6
11:00	3.4
11:30	3.0
12:00	2.6
12:30	2.2
13:00	1.7
13:30	1.5
14:00	1.2

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

DATUM
MEAN LOWER LOW WATER

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76F309S CE#310 1-65

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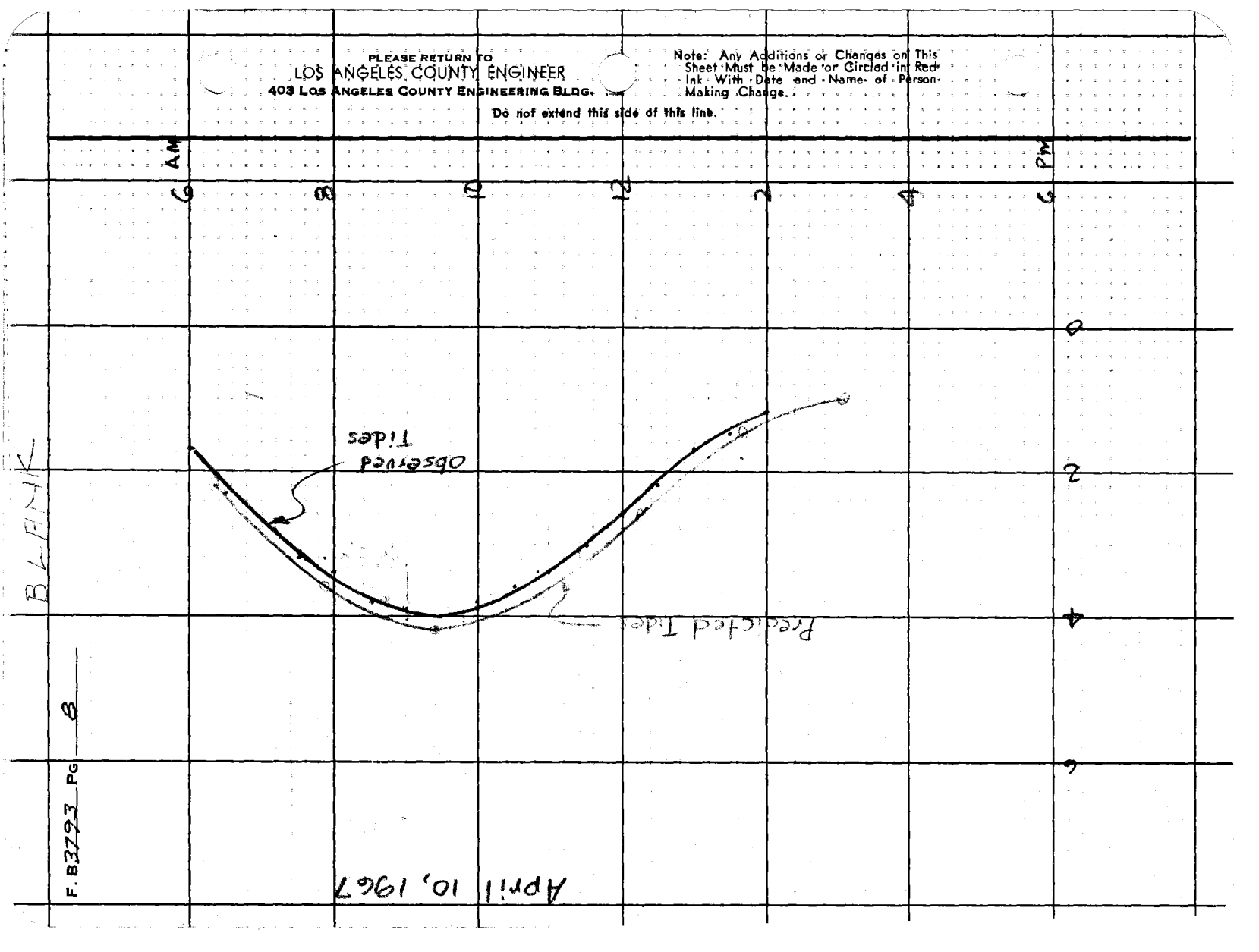

76-L-298 CE 307 2-63

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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.	943+09 57N	
N-102	0 24	15 36		15 12	FD 1" I.P. WOOD & C.E. TAG LEFT	PREVIOUS PAGE
			9 85	5 51	80° SET 1X2 FLUSH	
			3 9	11 5	10° BOT BANK	
			0 0	15 4		℄ TOP BANK
			+1 0	16 4		12° WOOD DECK
			+4 0	19 4		15° BOT. PILINGS UNDER DECK
T.P.			5 72	9 64		
	2 18	7 69		5 51	1X2 80 FT LEFT	
			3 1	4 6	88 FT LEFT MHW	
			5 5	2 2	100 " "	
					CUT GUN AT 950+61.76 SIGHT ON N-102	
			7 4	0 3	#1 9° 52'	
			8 5	-0 8	2 12 44	
			10 0	-2 3	3 15 12	
			12 8	-5 1	4 19 01	
			15 4	-7 7	5 21 35	
			16 1	-8 4	6 22 15	
			17 4	-9 7	7 23 41	

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red ___ Plotted ___ Job No. 030002 Division No. 11 F.B. 3793 Pg. 9
X-Sec. No. ___ Date ___ Date ___ Survey of MALIBU HYDRO
Notes Chkd. ___ Checked ___ Survey by WILSON Notes DREIER ADAMS Date 4-10-67
Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date ___

F. B. 3793 Pg. 10 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-1

DE 807 2-63

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76S420A - CE 353A - Cdb 9-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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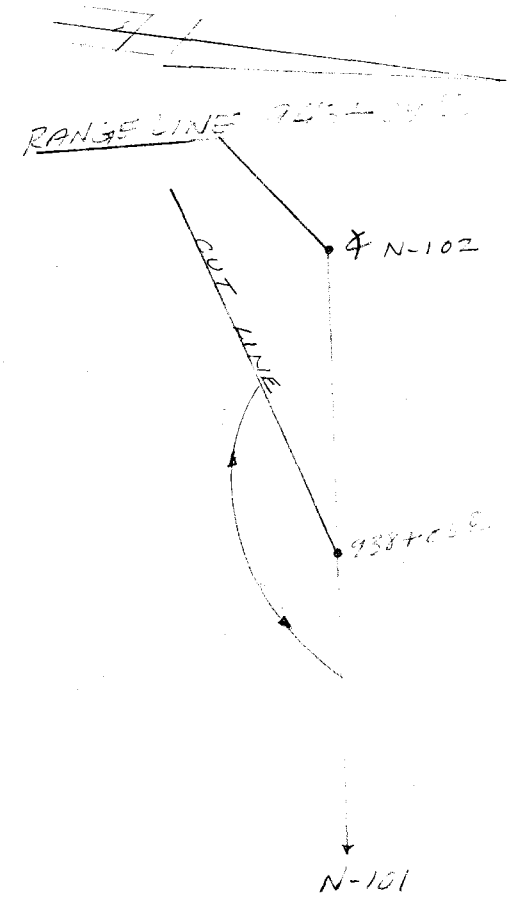
179 60

Do not extend notes this side of this line. RANGE LINE 943+09.57 N.

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					
938+05.8	N-101	8:30	1	93°	41'			
			2	95°	25'			
			3	96°	52'			
			4	99°	36'			
			5	100°	47'			
			6	[illegible]	[illegible]			
			7	[illegible]	[illegible]			
			8	113°	33'			
			9	117°	45'			
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			
			13	[illegible]	13'			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 11

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 4 [illegible]

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

F. B. 3793 PG. 12 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

Survey by RICHARDS | Notes J.G. | 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 № (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 №

Do not extend notes this side of this line.

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76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

945+60 30 N

STATION	B. S.	H. I.	F. S.	ELEV.		
	6.50	16.14		964.	T.P. FROM PREVIOUS PAGE	
			10.75	539.	68° LEFT SET 1X2	
			10.8	53.	68° SAND	
			8.1	80.	27° GR. CH.	
			5.2	109.		℄ BOT BANK RIGHT
			0.3	158.		16° TOP BANK
			+0.6	167.		50° BLDG LINE
			+2.0	181.		50° FLOOR
T.P.			7.05	909.		
	1.94	7.33. 46		539.	1X2 68 FT L.	
			2.7	46.	77 FT FT LEFT M.H.W.	
					CUT GUN AT 950+61.7L SIGHT ON N-102	
			4.5	28.	#1 10° 21'	
			6.9	04.	2 14 13	
			8.5	-12.	3 18 22	
			11.0	-37.	4 23 55	
			13.3	-60.	5 27 07	DATUM MEAN LOWER LOW WATER
			15.1	-78.	6 29 32	
			16.2	-89.	7 30 48	

Profile Notes Red Plotted Job No 32002 Division No. 11
No. X-Sec. Date Date Survey of MALIBU HYDRO
No. Notes Chkd. Date Checked Survey by WILSON Notes DREIER ADAMS Date 4-10-62
Date Map No. Indexed C.J. GALLI Date

F.B. 3793 Pg. 13

F.B. 3793 Pg. 14 | Job No. 0300.02 Division No. Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-295 CE 307 2-63

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765420A - CE 353A - Cdb 9-62

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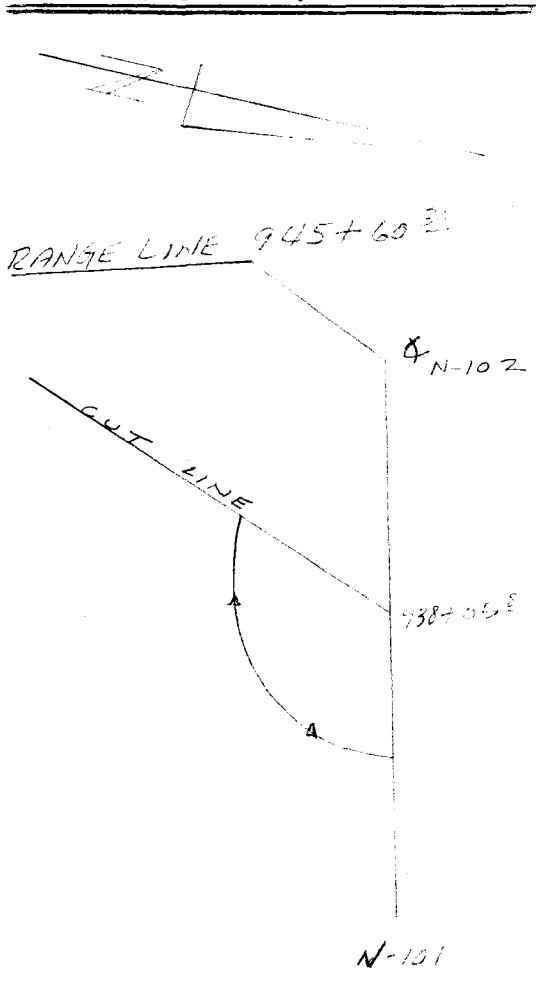
179 60 Do not extend notes this side of this line. RANGE LINE 945+60.30 N.

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					
938+05℄	N-101	8:43	1	103°	58'			
			2	106°	00'			
			3	108°	30'			
			4	111°	13'			
			5	114°	41'			
			6	120°	01'			
			7	129°	31'			
			8	132°	50'			
			9	137°	32'			
			10	141°	34'			
			11	145°	12'			
			12	150°	04'			
			13	154°	08'			
			14	158°	34'			
			15	162°	12'			
		8:47	16	162°	26'			



Profile Notes Red. Plotted Job No. 03000.02 Division No. 11 F.B. 3773 Pg. 15

No. Date Survey of HYDROLOGY & SURVEY

X-Sec. Notes Chkd. Checked Survey by Notes Date 4-10-67

No. Date Map No. Indexed C. J. CALL Date

F. B. 3793 PG. 16 Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J.G. 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.

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 2-63

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Profile Notes Red. Plotted. Job No. 030002 Division No. 11
No. X-Sec. Date Date Survey of MALIBU HYDRO
No. Notes Chkd. Checked Survey by WILSON Notes ADAMS Date 4-10-67
Date Date Map No. Indexed O.J. CALL Date

F.B. 3793 Pg. 17

STATION	B. S.	H. I.	F. S.	ELEV.	948+11.03 N	
	7.19	16.28		9.09	T.P. FROM PREVIOUS PAGE	
			11.09	5.19	.61° LEFT SET 1X2 FLUSH	
			8.4	7.9	-18° GR. CH.	
			5.71	10.57		℄ 1X2 FLUSH
			5.2	11.1		RIGHT 8° BOT. BANK
			0.7	15.6		26° TOP "
			+0.5	16.8		48° BOT. PILINGS. BLDG
			+1.4	17.7		48° FLOOR
T.P.			6.59	9.69		
	2.97	8.16		5.19	1X2 61 FT. LEFT	
			3.6	4.6.69	FT LEFT M.H.W.	
					CUT GUN AT 950+61.76 SIGHT ON N-102	
			7.5	0.7	1 23° 44'	
			8.3	-0.1	2 27 55	
			9.2	-1.0	3 31 40	
			10.6	-2.4	4 35 53	
			12.2	-4.0	5 40 20	
			15.0	-6.8	6 45 10	
			15.8	-7.6	7 45 22	

DATUM
MEAN LOWER LOW WATER

F. B. 3793 PG. 18 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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765420A - CE 353A - Cdb 9-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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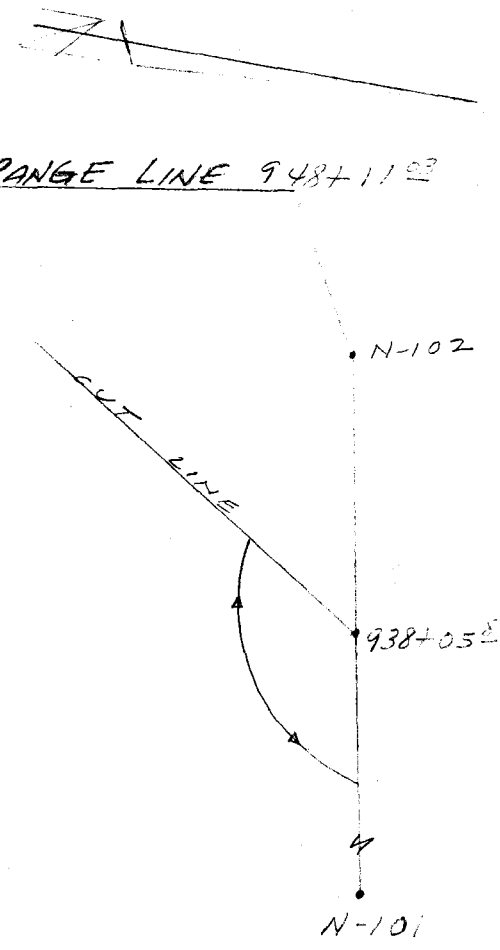
Do not extend notes this side of this line. RANGE LINE 948+11.03 N.

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					
938+05.8	N-101	8:55	1	110°	19'			
			2	112°	38'			
			3	115°	54'			
			4	118°	45'			
			5	121°	57'			
			6	125°	04'			
			7	133°	06'			
			8	137°	10'			
			9	142°	58'			
			10	148°	32'			
			11	151°	57'			
			12	155°	08'			
			13	158°	15'			
			14	161°	27'			
			15	164°	35'			
			16	166°	17'			
		8:59	17	167°	59'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 19
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-10-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 20 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

Survey by RICHARDS Notes J. G. | 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	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					

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	950 + 61.76 N LEFT	RIGHT
	625	1594		969	T.P. FROM PREVIOUS P.G.	
			1024	570	49° LEFT SET 1X2 FLUSH	
			611	983		℄ SET 1X2 FLUSH
			50	109		9° BOT BANK
			02	157		30° TOP "
			04	155		40° GR BLDG LINE
			+16	175		40° WOOD DECK
T.P.			262	1332	TOP DRAIN PIPE	
	346	916 46		570	1X2 49 FT LEFT	
			46	46	61 FT LEFT M.H.W.	
					CUT GUNAT 948+11.03 N SIGHT ON N-103	
			73	19	#1 20° 02'	
			85	07	2 24 57	
			100	-08	3 32 18	
			120	-28	4 39 03	
			146	-54	5 45 52	
			165	-73	6 49 30	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 21
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON Notes DREIER ADAMS Date 4-10-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 22 | 0300.02

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

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765420A - CE 353A - Cdb 9-62

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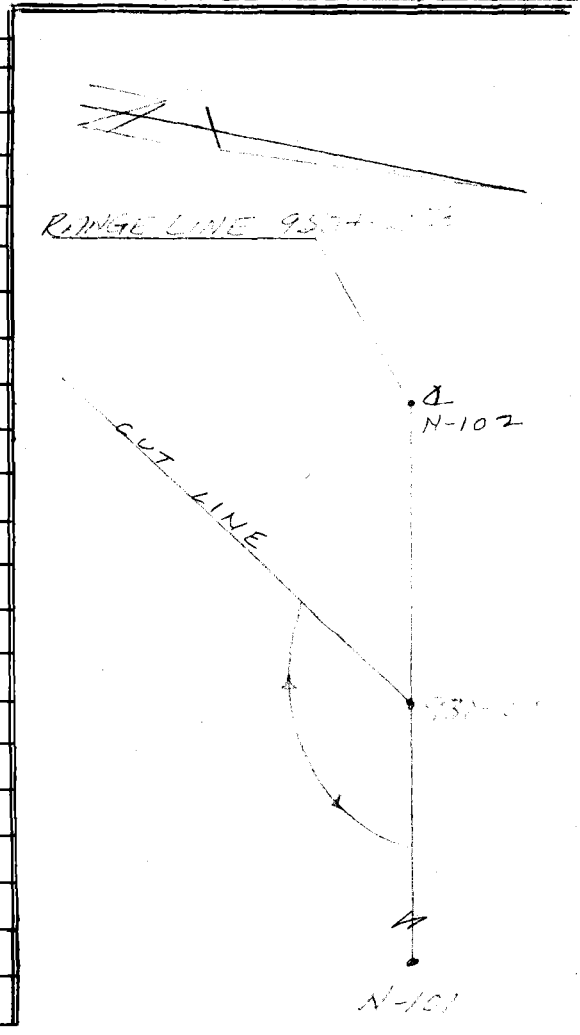
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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. RANGE LINE 950+61.76 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
938+55	N-101	9:06	1	113°	45'			
			2	115°	31'			
			3	118°	20'			
			4	120°	48'			
			5	123°	50'			
			6	126°	36'			
			7	130°	36'			
			8	135°	30'			
			9	140°	06'			
			10	144°	31'			
			11	150°	15'			
			12	155°	52'			
			13	160°	38'			
			14	164°	10'			
			15	166°	25'			
			16	168°	30'			
		9:09	17	169°	43'			



Profile Notes Red. Plotted. Job No. 03000.02 Division No. 11 F. B. 3793 Pg 23
No. Date. Date. Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked. Survey by Richards Notes C. J. GALLO Date 12-10-67
No. Date. Date. Map No. Indexed. Date.

F. B. 3793 PG. 29 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile No.

Survey of HYDROGRAPHIC SURVEY | Date | Date | X-Sec.

Survey by RICHARDS | Notes J.G. | Notes Chkd. | Checked

Indexed | Date | Date | Date | No.

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle № (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 №

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76-L-298 CE 307 2-63

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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.	952 + 37.09 N	
	165	14 97		13 32	T.P. FROM PREVIOUS PG	
			8 91	6 06	51° LEFT SET 1X2 UP 20	
			5 5	9 5	18° GR. CH.	
			4 19	10 78		℄
			3 3	11 7		12° BOT BANK
			2 1	12 9		TOP BANK 33° BLDG. LINE
			+2 8	17 8		33° WOOD DECK
	290	90 8 96		6 06	1X2 51 FT LEFT	
			4 4	4 6	62 FT. LEFT M.H.W.	
					CUT GUN AT 948+11.03N., SIGHT ON N-103	
			7 0	2 0	#1 10° 55'	
			9 0	0 0	2 16 36	
			10 1	- 1 1	3 19 46	
			12 1	- 3 1	4 25 08	
			14 0	- 5 0	5 39 12	
			17 6	- 8 6	6 34 17	
					29 12	

CKD

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 25
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes DREIER ADAMS Date 4-10-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 26 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-296 CE 307 2-63

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

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

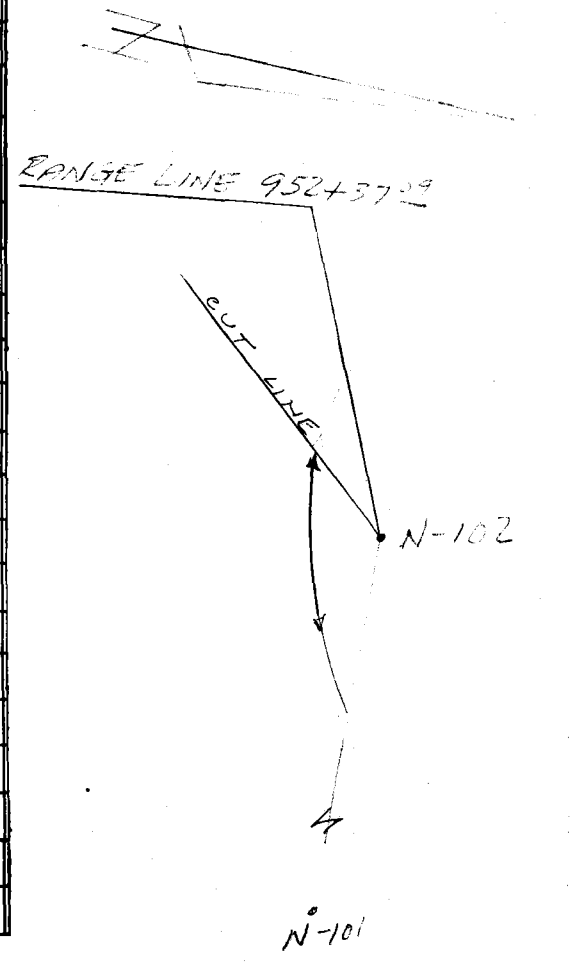
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE NO	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD NO
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-102	N-101	9:18	1	106°	42'			
			2	107°	57'			
			3	109°	36'			
			4	110°	56'			
			5	113°	04'			
			6	115°	14'			
			7	117°	53'			
			8	120°	38'			
			9	124°	15'			
			10	128°	14'			
			11	134°	01'			
			12	[illegible]	[illegible]			
			13	[illegible]	[illegible]			
			14	151°	17'			
			15	155°	15'			
			16	157°	31'			
			17	160°	01'			
			18	164°	03'			
		9:23	19	164°	40'			

RANGE LINE 952+37.09 N.



Profile Notes Red. Plotted. Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 27

No. Date. Date. Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked. Survey by [illegible] Notes J.G. Date 4-10-62

No. Date. Date. Map No. Indexed C.J. GALLT Date

F. B. 3793 Pg. 28 | Job No. 0300.07 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					

76-L-298 CE 307 2-63

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.	953 + 12.49 N	
		14.97			H.I. FROM PREVIOUS PG	
			962	535	52° SET 1X2 FLUSH LEFT	(OUT)
			555	942		℄ SET 1X2 "FLUSH" RIGHT
			48	102		9° BOT BANK
			10	140		22° TOP "
			+16	166		59° BOT 8' CONC WALL BLK
T.P.			492	1005		
	384	990		606	1X2 51 FT LEFT FROM STA 952+37°	
					CUT GUN AT 948+11.03 SIGHT ON N-103	
			180	-81	#1 30° 52'	
			143	-44	2 25 28	
			128	-29	3 21 37	
			110	-11	4 16 58	
			95	04	5 13 21	
			82	17	6 10 14	
			53	46	54 FT LEFT M.N.W.	
			22	77	12 " "	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 230002 Division No. 11 F.B. 3793 Pg. 29
Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 5-10-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 3793 Pg. 30 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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76S420A - CE 353A - Cdb 9-62

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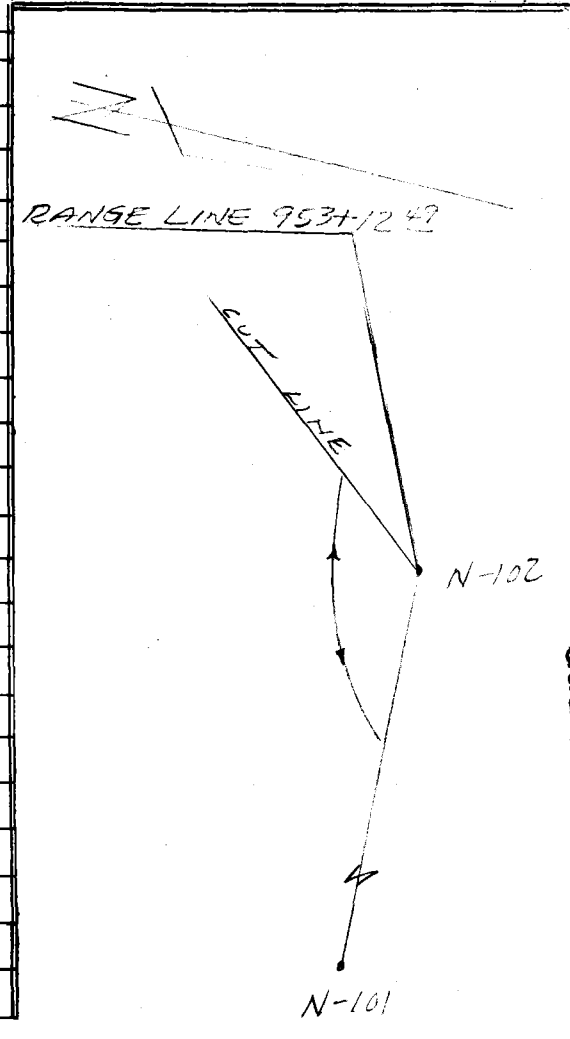
LOS ANGELES COUNTY SURVEYOR

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. RANGE LINE 953+12.49 N

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-102	N-101	9:27	1	108°	53'			
			2	111°	17'			
			3	114°	10'			
			4	116°	48'			
			5	120°	15'			
			6	124°	10'			
			7	128°	06'			
			8	131°	37'			
			9	137°	21'			
			10	142°	57'			
			11	148°	00'			
			12	151°	35'			
			13	155°	53'			
			14	159°	08'			
			15	162°	23'			
			16	164°	20'			
		9:31	17	166°	30'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 31

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-10-67

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

C. J. GALLI

F. B. 3793 Pg. 32 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	For Office Use Only Range Line Min.	For Office Use Only Card No.

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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.	955+63.22 N	
	5.07	15.12		1005	T.P. FROM PREVIOUS PAGE	
			9.54	558	48° LEFT SET 1X2 FLUSH	
			7.2	7.9	8° BOT BANK	
			5.20	9.92		℄ TOP BANK SET 1X2 FLUSH RIGHT
			4.4	107		9° BOT BANK
			0.8	143		23° TOP "
			+1.1	162		49° GR. BLDG LINE
T.P.			5.06	1006		
	3.00	8.58		558	1X2 48 FT LEFT	
			4.0	46.56	FT. LEFT M.H.W.	
					CUT GUN AT 948+11.03 SIGHT ON N-103	
			5.9	27	#1 5° 54'	
			7.6	10	2 7 50	
			9.1	-05	3 10 27	
			10.6	-20	4 12 57	
			11.9	-33	5 15 29	
			15.2	-66	6 19 33	
			16.0	-74	7 19 43	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 30002 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes DREIER ADAMS Date 4-10-62
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3793 Pg. 33

F. B. 3793 Pg. 34 | Job No. 0300,02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

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403 Los Angeles County Engineering Bldg.

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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 2-63

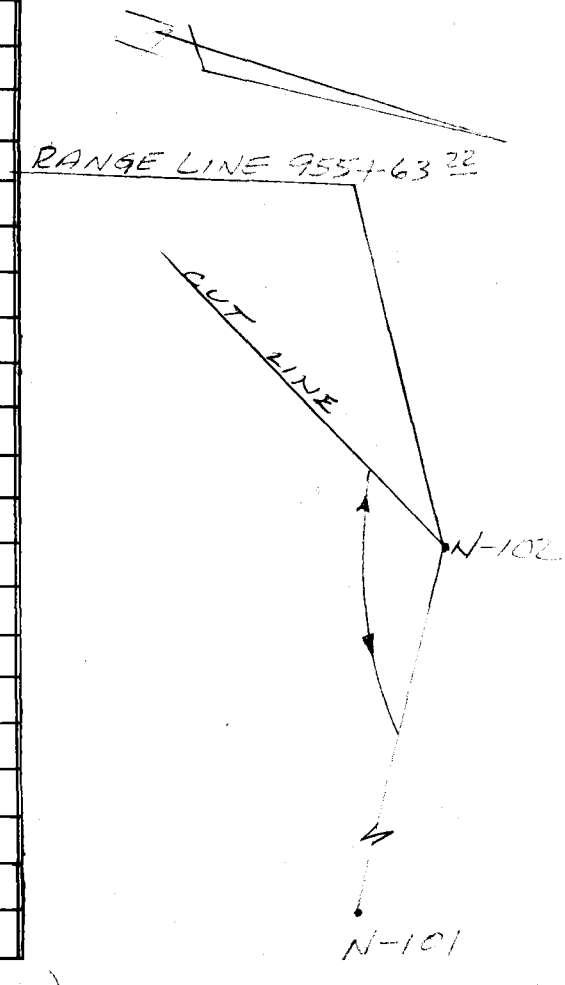
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 955+63.22 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-102	N-101	9:35	1	112°	46'			
			2	114°	36'			
			3	116°	40'			
			4	119°	30'			
			5	121°	52'			
			6	125°	10'			
			7	130°	06'			
			8	132°	18'			
			9	137°	12'			
			10	142°	23'			
			11	147°	31'			
			12	152°	18'			
			13	156°	50'			
			14	160°	45'			
			15	163°	46'			
			16	166°	29'			
		9:50	17	168°	26'			



Profile Notes Red. Plotted. Job No. 0300.02 Division No. 11
No. Date Date Survey of TOPOGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by [redacted] Notes J.G. Date 11-11-61
No. Date Date Map No. Indexed C.J. GALLI Date

F.B. 3793 Pg. 35

F. B. 3793 Pg. 36 Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J.G. 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.

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 2-63

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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.	958+13.95N	
	-1.99	15.05		10.06	T.P. FROM PREVIOUS PG	
			9.23	5.82	52° LEFT SET 1X2 FLUSH	
			5.03	10.02		℄ SET 1X2 FLUSH
			4.3	10.8		92° RIGHT BOT BANK
			2.2	12.9		12° TOP "
			0.0	15.1		14° 24" WOOD FENCE
			+0.2	15.3		45° EDGE CONC PATIO
			+0.7	15.8		69° BLDG LINE
T.P.			4.61	10.49		
	2.79	8.61		5.82	1X2 52 FT LEFT FLUSH	
			4.0	4.6	62 FT LEFT M.H.W.	
					CUT GUN AT 955+63.22N. SIGHT ON N-103	
			7.2	1.4	1 20° 09'	
			8.5	0.1	2 26 22	
			10.0	-1.4	3 33 09	
			11.5	-2.9	4 39 44	
			13.5	-4.9	5 46 31	DATUM
			16.2	-7.6	6 51 02	MEAN LOWER LOW WATER

Profile Notes Red Plotted Job No. 23002 Division No. 11
No. X-Sec. Date Date Survey of MALIBU HYDRO
No. Date Notes Chkd. Checked Survey by WILSON Notes ADAMS Date 4-10-67
Date Map No. Indexed G. J. GALLI Date

F.B. 3793 Pg. 37

F. B. 3793 PG. 38 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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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

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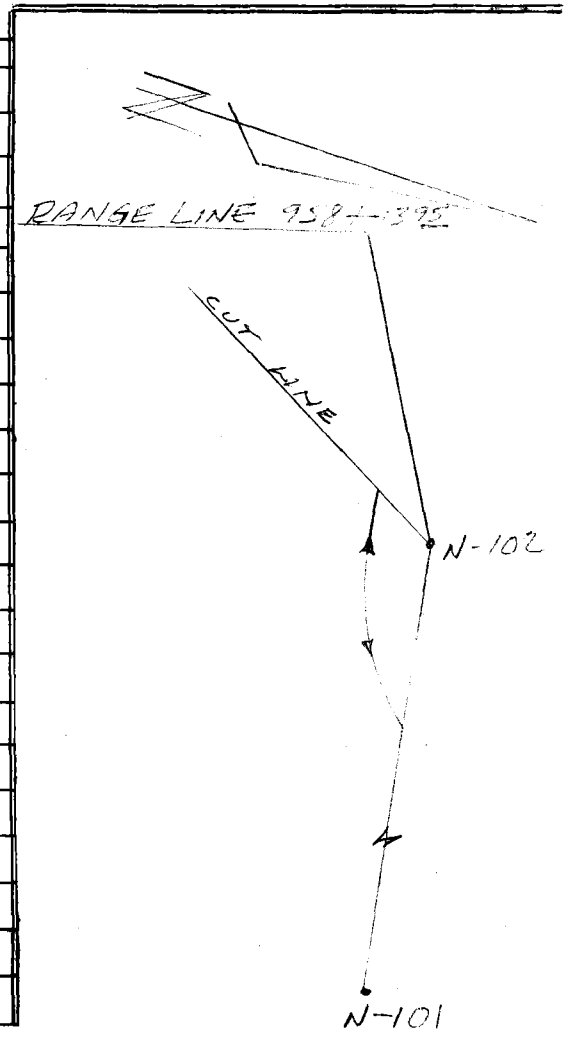
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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. RANGE LINE 958+13.95 N.

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-102	N-101	9:47	1	116°	36'			
			2	119°	05'			
			3	121°	41'			
			4	123°	59'			
			5	127°	05'			
			6	130°	33'			
			7	134°	20'			
			8	137°	22'			
			9	141°	07'			
			10	144°	45'			
			11	149°	45'			
			12	154°	02'			
			13	158°	56'			
			14	161°	56'			
			15	164°	19'			
			16	166°	10'			
		9:51	17	168°	42'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 39
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. I. GALL Date ____

F. B. 3793 PG. 40 | 0300.02

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

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					

76-L-298 CE 307 2-63

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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.	960+64.58 N. LEFT	RIGHT
	574	16.18		1044	T.P. FROM PREVIOUS PAGE	
			936	682	53° SET 1x2 FLUSH LEFT	
			65	97	33° GR. CH.	
			445	1173		℄ BOT BANK SET 1x2 FLUSH
			328	1290		8° TOP BANK
			+04	166		43° BOT 7' GLASS FENCE
T.P.			503	1115		
	190	872		682	1x2 53 FT LEFT	
			41	46	14 FT. LEFT M.H.W.	
					CUT GUN AT 955+63.22 SIGHT ON N-103	
			72	15	#1 10° 20'	
			81	06	2 12 52	
			89	-02	3 15 30	
			108	-21	4 19 42	
			123	-36	5 24 57	
			146	-59	6 27 51	
			165	-78	7 30 44	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 41
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes DREIER ADAMS Date 4-10-67
Date ____ Date ____ Map No. ____ Indexed O. J. GALLI Date ____

F. B. 3793 Pg. 42 | Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile

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

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

Indexed ____ Date ____ Date ____ Date ____ No. ____

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

76-L-298 CE 307 2-63

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403 Los Angeles County Engineering Bldg.

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

765420A - CE 353A - Cdb 9-62

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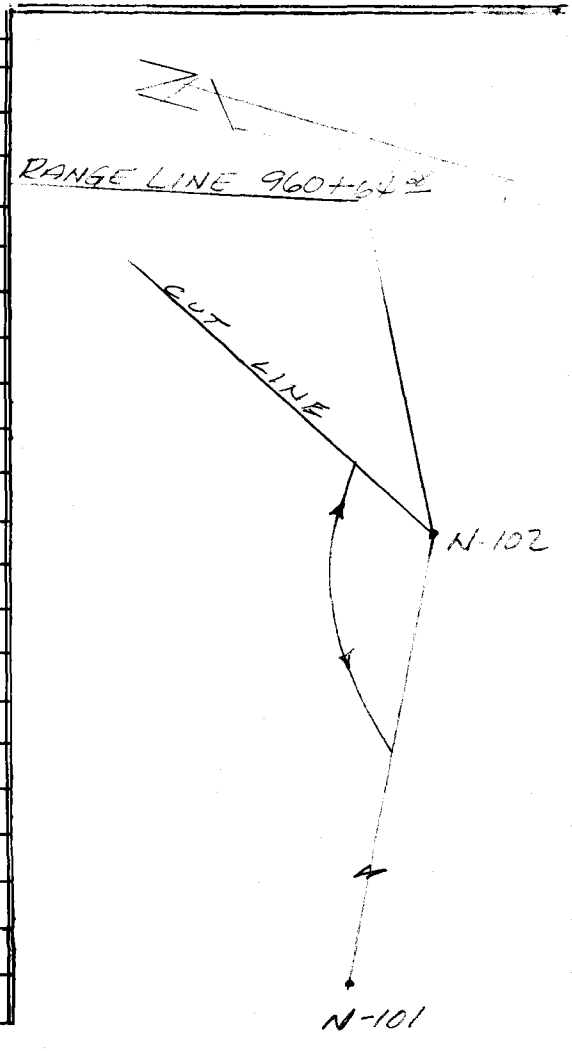
726 Los Angeles County Engineering Bldg.

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. RANGE LINE 960+64.68 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
N-102	N-101	10:01	1	122°	47'			
			2	126°	01'			
			3	128°	44'			
			4	132°	07'			
			5	134°	42'			
			6	138°	49'			
			7	142°	34'			
			8	147°	04'			
			9	151°	06'			
			10	154°	52'			
			11	158°	15'			
			12	160°	34'			
			13	162°	52'			
			14	165°	13'			
			15	167°	32'			
			16	168°	45'			
		10:06	17	170°	21'			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 43
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes [illegible] Date [illegible]
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 PG. 44 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J. G. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

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 2-63

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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. 230092 Division No. 11
No. X-Sec. Date ____ Date ____ Survey of MAL. I.B.U. HYDRO
No. ____ Notes Chkd. ____ Checked ____ Survey by H.L.S. SCAR Notes 4/28/62 Date 4-10-62
Data ____ Date ____ Map No. ____ Indexed C.J. GALL Date ____

F.B. 3793 Pg. 45

STATION	B. S.	H. I.	F. S.	ELEV.	962+37.13N	
	442	15.57		11.15	T.P. FROM PREVIOUS	PAGE
			9.55	6.02	58° LEFT SET 1X2 UP 0.20	
			6.6	9.0	19° GR. CH.	
			4.4	11.2	1° BOT BANK	
			3.79	11.78	℄ SET 1X2 FLUSH	
			2.5	13.1	2° TOP BANK RIGHT	
			0.8	14.8	24° GR. CH.	
			+1.0	16.6	115° " "	
			+1.2	16.8	165° BOT BANK	
			+2.2	17.8	168° TOP "	
			+2.7	18.3	173° CONC CURB	
	284	8.86		6.02	1X2 58 FT LEFT	
			4.3	4.6	68 FT LEFT. M.H.W.	
					CUT GON 960+64.68N	SIGHT ON N-103
			7.3	1.6	#1 30° 40'	
			8.7	0.2	2 37 05	
			10.5	-1.6	3 44 37	DATUM
			12.2	-3.3	4 51 00	MEAN LOWER LOW WATER
			15.2	-6.3	5 56 47	
			16.3	-7.4	6 58 49	

F. B. 3793 PG. 46 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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

765420A - CE 353A - Cdb 9-62

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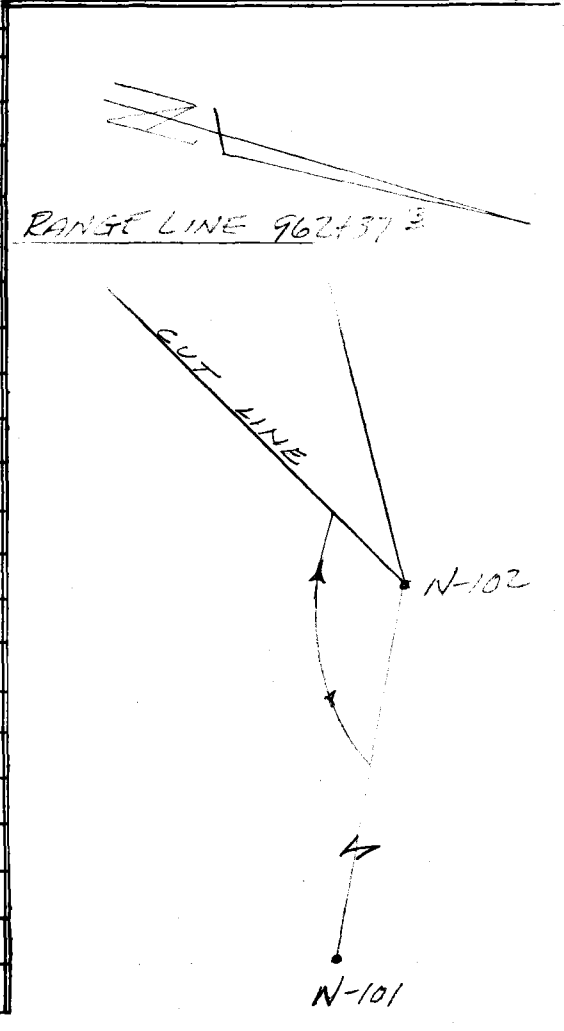
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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. RANGE LINE 962+37.13 N.

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					
N-102	N-101	10:12	1	123°	33'			
			2	126°	1'			
			3	127°	37'			
			4	129°	24'			
			5	131°	20'			
			6	134°	1'			
			7	137°	00'			
			8	139°	35'			
			9	142°	42'			
			10	144°	50'			
			11	150°	31'			
			12	153°	34'			
			13	156°	50'			
			14	159°	47'			
			15	162°	28'			
			16	163°	04'			
			17	165°	31'			
			18	165°	04'			
		10:16	19	169°	12'			



Profile Notes Red. Plotted. Job No. 0300.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F.B. 3793 Pg. 47
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.S. Date 4-10-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 Pg. 48 | Job No. 0300102 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

Survey by RICHARDS Notes J.G. | 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

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 2-63

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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.	963 + 15.41 N LEFT	RIGHT
		1557			H.I. FROM PREVIOUS PAGE	
			894	663	62° SET 1X2 UP 0.20 LEFT	
			50	106	29° GR. CH.	
			36	120	11° BOT BANK	
			19	137	4° TOP	
			152	1405		℄ SET 1X2 FLUSH RIGHT
			02	154		48° BLDG LINE
		(+)	25	181		48° WOOD DECK
T.B.M. #10			097	1460	FD CHIS "X" ON 36" CORE IRON DRAIN PIPE ELEV = 14.62 M.L.L.W.	
	220	883		663	1X2 62 FT LEFT	
					CUT GUN AT 960 + 64.68 N, SIGHT ON N-103	
			164	-76	#1 51° 16'	
			136	-48	2 46 21	
			115	-27	3 39 47	
			80	08	4 31 57	
			84	04	5 27 40	
			73	15	6 22 03	
			42	46	75 FT LEFT M.H.W.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 49
X-Sec. No. ____ Date ____ Date ____ Survey of AMALIA AREA HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-10-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 50 | Job No. C 300.02 | Division No. 11 | Notes Red | Plotted | Profile

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

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

Indexed | Date | Date | Date | No.

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

76-L-298 CE 307 2-63

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765420A - CE 353A - Cdb 9-62

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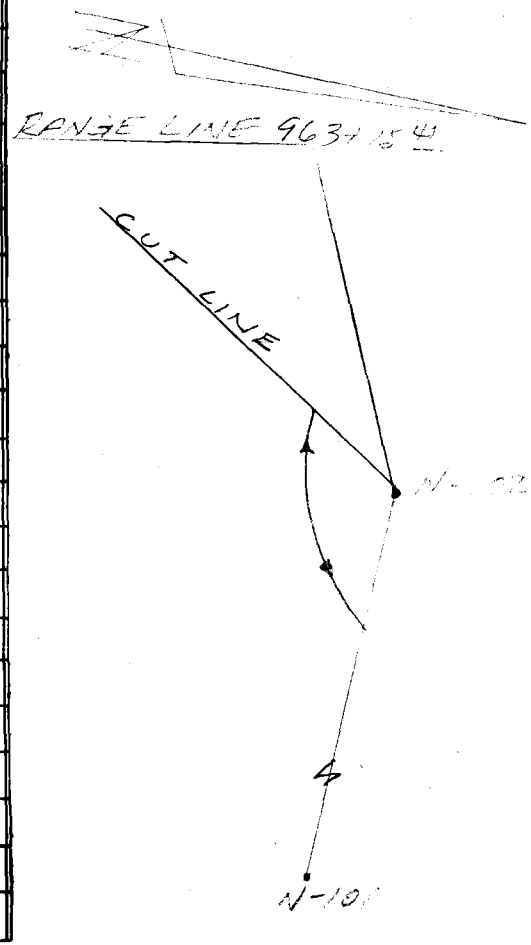
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line. RANGE LINE 963+15.41 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
N-102	N-101	10:21	1	124°	31'			
			2	126°	05'			
			3	128°	26'			
			4	130°	37'			
			5	133°	42'			
			6	136°	09'			
			7	140°	02'			
			8	143°	18'			
			9	146°	53'			
			10	150°	50'			
			11	154°	30'			
			12	157°	50'			
			13	160°	32'			
			14	163°	39'			
			15	166°	06'			
			16	168°	06'			
			17	169°	48'			
		10:25	18	170°	55'			



Profile Notes Red Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg 51
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes J.G. Date 11-10-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 PG. 52 Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______ X-Sec.

Survey by RICHARDS Notes J.G. Notes Chkd. ______ Checked ______

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.

Do not extend notes this side of this line.

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76-L-298 CE 307 2-63

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Profile Notes Rod____ Plotted____ Job No. 32902 Division No. 11 F.B. 3793 Pg. 53
No. X-Sec. Notes Date____ Date____ Survey of MALIBU HYDRO CREEK
No.____ Notes Chkd.____ Checked____ Survey by WILSON Notes ADAMS Date 4-10-67
Date____ Date____ Map No.____ Indexed C.J. GALL Date____

STATION	B. S.	H. I.	F. S.	ELEV.	965+65.90 N	
T.B.M. #10	1.29	15.91		14.62	1" FD CHIS'K IN CONC. LEFT	36' 23.4" E
			8.55	7.36	46° CLJ 1X2 FLUSH	
			6.3	9.6	23° GR. CH.	
			4.77	11.14		EDGE 1X2 FLUSH
			4.6	11.3		1° BOT. BANK RIGHT
			2.4	13.5		8° TOP "
			0.0	15.9		26° GR. CH.
			+0.9	16.8		45° EDGE CONC SLAB
			+1.0	16.9		56° 6' CL. FENCE
T.P.			5.99	9.92		
	1.08	8.44		7.36	1X2 46 FT LEFT	
			3.8	4.6	64 FT LEFT M.H.W.	
					CUT GUN AT 968+16.24 N, SIGHT ON N-103	
			5.6	2.8	#1 15° 55'	
			7.6	0.8	2 20 07	
			8.6	-0.2	3 26 11	
			10.4	-2.0	4 33 00	
			12.2	-3.8	5 40 27	
			16.2	-7.8	6 52 22	

DATUM
MEAN LOWER LOW WATER

F. B. 3793 Pg. 54 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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

765420A - CE 353A - Cdb 9-62

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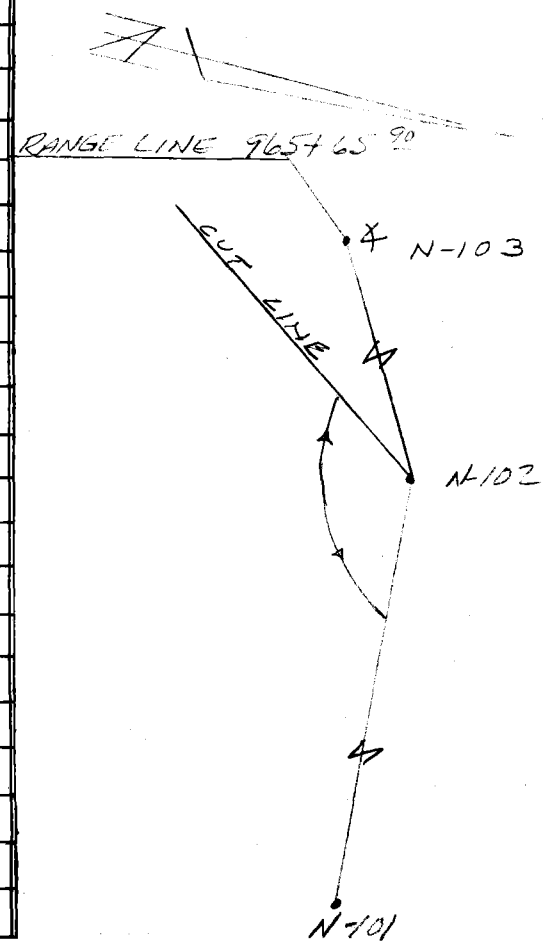
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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. RANGE LINE 965+65.90 N.

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-102	N-101	10:47	1	130°	10'			
			2	131°	54'			
			3	134°	13'			
			4	136°	35'			
			5	138°	38'			
			6	141°	20'			
			7	143°	54'			
			8	146°	43'			
			9	149°	23'			
			10	152°	24'			
			11	154°	58'			
			12	157°	47'			
			13	160°	14'			
			14	162°	30'			
			15	164°	31'			
			16	165°	58'			
			17	167°	21'			
			18	169°	05'			
		10:52	19	169°	44'			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 55
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-10-67
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3793 PG. 56 | Job No. 0300-02 Division No. II Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

76-L-298 CE 307 2-63

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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.	968+16.24N	
	5.56	15.48		9 92	T.P. FROM PREVIOUS PAGE	
			8.50	6.98	31° LEFT SET 1x2 FLUSH	
			6.0	9 5	12° GR CH	
			5.24	10.24		℄ SET 1x2 FLUSH
			3.7	11 8		24° RIGHT BOT BANK
			2 8	12 7		33° TOP BANK
			+0.5	16.0		57° GR CH.
			+0 6	16.1		9-1° BOT GLASS GARDEN WALL
T.P.			5 6 1	9 8 7		
	1 6 9	8 6 7		6 9 8	1x2 31FT. LEFT	
			4 1	4 6	45 FT LEFT M.H.W.	
					CUT GUN AT 965+65.90N SIGHT ON N-104	
			7 7	10.1	16° 20'	
			9 2	-0 5 2	22 30	
			10 9	-2 2 3	30 38	
			12 3	-3 6 4	37 37	
			15 8	-7 1 5	43 58	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 23002 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO DRIVE
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-10-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

F.B. 3793 Pg. 57

F. B. 3793 Pg. 58 Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile

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

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

Indexed ____ Date ____ Date ____ Date ____ No. ____

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

76-L-298 CE 307 2-63

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76S420A - CE 353A - Cdb 9-62

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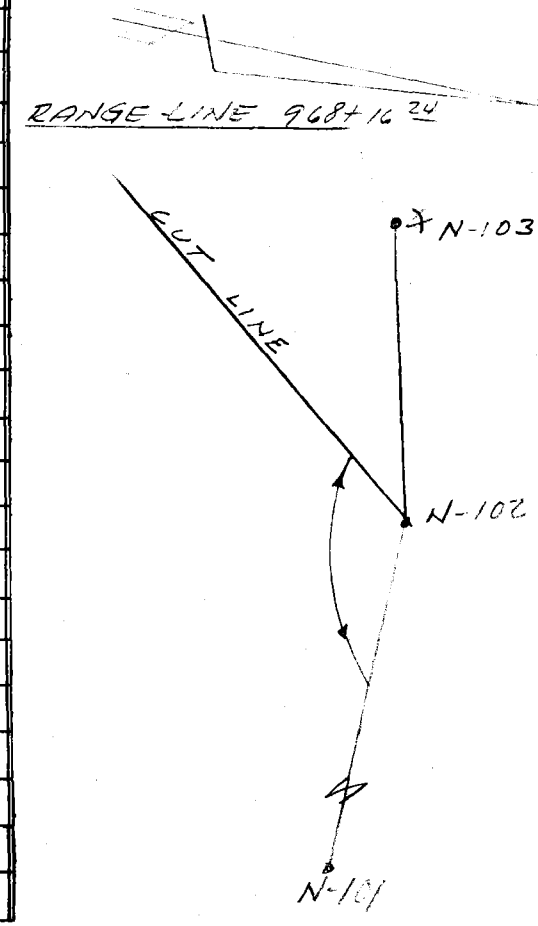
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line. RANGE LINE 968+16.24 N.

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-102	N-101	10:57	1	129°	04'			
			2	130°	36'			
			3	132°	44'			
			4	135°	05'			
			5	136°	58'			
			6	140°	26'			
			7	142°	25'			
			8	145°	30'			
			9	148°	16'			
			10	151°	05'			
			11	153°	31'			
			12	156°	23'			
			13	159°	07'			
			14	161°	07'			
			15	163°	25'			
			16	165°	24'			
			17	166°	46'			
			18	168°	12'			
			19	169°	19'			
		11:02	20	170°	21'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 59
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-10-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 60 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

Survey by RICHARDS Notes J.G. | 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

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 2-63

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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.	970+66.58 N	
	5.17	15.04		9.87	T.P. FROM PREVIOUS PG	
			8.46	6.58	17° LEFT SET 1X2 UP 0.10	
			5.55	9.49		℄ 1X2
			6.1	8.9		℄ SAND
			3.2	11.8		28° RIGHT BOT CONC SEA WALL
			+2.3	17.3		29° TOP SEA WALL
			+3.8	18.8		54° GR. Bot Conc WALL
			+6.7	21.7		54° EDGE POOL APRON
T.P.			4.70	10.34		
	1.39	8.0 7.97		6.58	1X2 17FT LEFT	
			3.4	4.6	29 FT LEFT, M.H.W.	
					CUT GUN 965+65.90	SIGHT ON N-104
			7.4	0.6	1 7° 11'	
			8.4	-0.4	2 11 31	
			10.5	-2.5	3 17 11	
			13.3	-5.3	4 22 33	
			15.6	-7.6	5 26 09	
			17.2	-9.2 ~~-8.2~~	6 28 40	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 61
X-Sec. No. ____ Date ____ Date ____ Survey of NAL IBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes DREIFR ADAMS Date 4-10-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3793 Pg. 62 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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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

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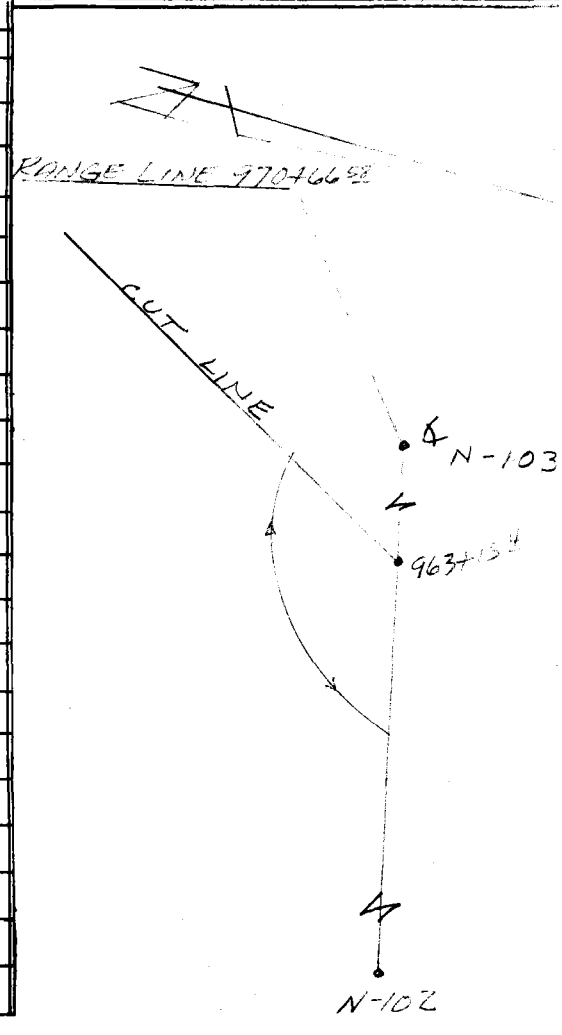
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line. RANGE LINE 970+66.58 N.

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					
963+15.4	N-102	11:22	1	103°	25'			
			2	104°	16'			
			3	105°	16'			
			4	106°	27'			
			5	108°	15'			
			6	110°	11'			
			7	111°	48'			
			8	113°	23'			
			9	115°	25'			
			10	118°	02'			
			11	121°	18'			
			12	125°	03'			
			13	129°	40'			
			14	134°	50'			
			15	139°	55'			
			16	144°	08'			
			17	148°	38'			
			18	152°	37'			
			19	155°	51'			
			20	159°	57'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 63
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-10-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 64 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by C. J. GALLI Notes J.G. 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.

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					
		11:27	31	16	48'			

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 2-63

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.	973+16.92 N	
	4.45	14.79		1034	T.P. FROM PREVIOUS PAGE	
			906	573	9° LEFT SET 1X2 UP 0.20	
			32	66		℄ SAND GR. CH. RIGHT
			573	906		14° SET 1X2 UP 0.20
			26	122		47° GR. CH.
			+38	186		82° EDGE CONC SLAB
			+45	193		185° " " "
			+32	180		192° CONC CURB
T.P			565	914		
	289	862		573	1X2 9 FT LEFT	
			40	46	14 FT LEFT M.H.W.	
					CUT GUN AT 965+65.90 SIGHT ON N-104	
			78	08	#1 3° 56'	
			91	-05	2 7 08	
			123	-37	3 12 20	
			150	-64	4 15 33	
			165	-79	5 17 11	

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0300.02 Division No. 11 Survey of MALIBU HYDRO Survey by WILSON Notes DREIER ADAMS Date 4-10-67 Map No. Indexed C. J. GALLI Date

F.B. 3793 Pg. 65

F. B. 3793 Pg. 66 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-296 CE 307 2-63

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

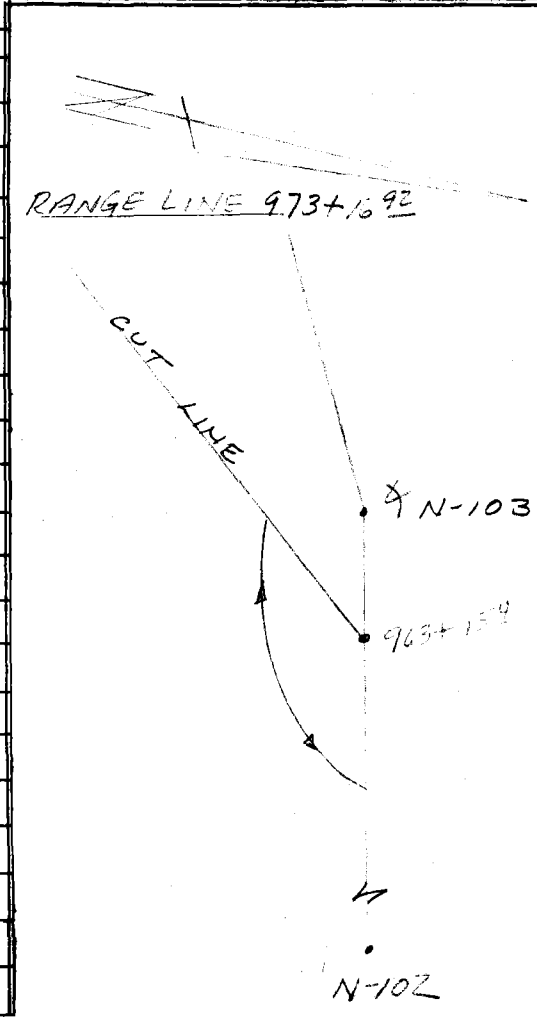
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 973+16.92 N.

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					
963+154	N-102	11:35	1	109°	47'			
			2	110°	50'			
			3	111°	49'			
			4	113°	31'			
			5	115°	05'			
			6	117°	00'			
			7	118°	54'			
			8	121°	10'			
			9	123°	19'			
			10	125°	45'			
			11	128°	54'			
			12	133°	03'			
			13	137°	36'			
			14	141°	49'			
			15	146°	32'			
			16	149°	50'			
			17	153°	04'			
			18	157°	14'			
			19	159°	22'			
			20	162°	48'			



Profile Notes Red. ____ Plotted ____ Job No. 0300102 Division No. 11 F.B. 3793 Pg. 67
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 4-10-61
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI 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. 3793 Pg. 68 Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by EDWARDS Notes Chkd. Checked X-Sec.

Indexed C.J. GALLI Date Date Date No.

Profile

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					
		11:40	21	164°	25'			

76-L-298 CE 307 2-63

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.	975+67.26 N	
	423	1337		914	T.P. FROM PREVIOUS PG.	
			84	50		℄ SAND RIGHT
			692	645		9° SET 1X2 UP 0.50
			59	75		14° SAND
			446	891		14° SET 1X2 UP 1.4
			43	91		26° GR. CH.
			23	111		53° BOT. SEA WALL TOP " "
			+30	164		54° EDGE CONC POOL APRON
T.P.			522	815	ROCK	
	247	892		645	1X2 9FT RIGHT	
			43	46	4 FT LEFT M.H.W.	
					CUT GUN AT 970+66.58 SIGHT ON N-104	
			74	15	#1 3° 23'	
			86	03	2 6 49	
			106	-17	3 12 07	
			126	-37	4 17 25	
			150	-61	5 21 46	
			168	-79	6 24 20	

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 69
X-Sec. No. ___ Date ___ Date ___ Survey of MALIBU HYDRO
Notes Chkd. ___ Checked ___ Survey by WILSON Notes ADAMS Date 4-10-67
Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date ___

F. B. 3793 Pg. 70 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L.298 CE 307 2-63

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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

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

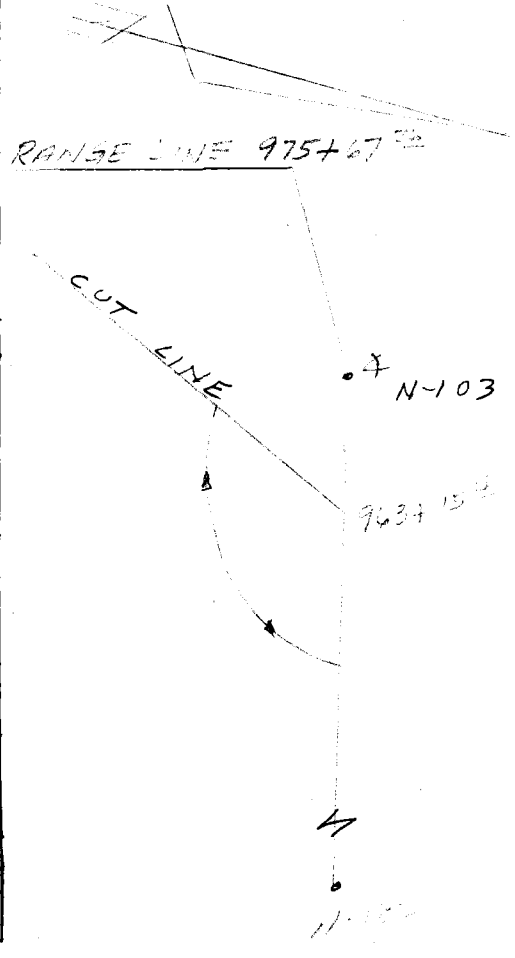
LOS ANGELES COUNTY SURVEYOR

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. RANGE LINE 975+67.26 N

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					
963+15.4	N-102	11:46	1	111°	22'			
			2	113°	00'			
			3	114°	33'			
			4	116°	20'			
			5	117°	15'			
			6	120°	20'			
			7	122°	39'			
			8	125°	18'			
			9	128°	35'			
			10	131°	51'			
			11	135°	45'			
			12	139°	28'			
			13	143°	35'			
			14	148°	21'			
			15	152°	25'			
			16	155°	54'			
			17	158°	52'			
			18	161°	46'			
			19	164°	32'			
		11:51	20	166°	39'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 1 F. B. 3793 Pg. 71

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

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

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

F. B. 3793 Pg. 72 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile No.

Survey of HYDROGRAPHIC SURVEY | Date | Date

Survey by RICHARDS | Notes J.G. | Notes Chkd. | Checked | X-Sec. No.

Indexed | Date | Date | Date

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

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 2-63

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. 23232 Division No.
No. X-Sec. Date Date Survey of MALIBU HYDRO PROFILES Date 4-10-62
No. Date Notes Chkd. Checked Survey by W.H. SON Notes ADAMS Date
Date Map No. Indexed C.J.GALT Date

F.B. 3793 Pg. 72

STATION	B. S.	H. I.	F. S.	ELEV.	978+17 S°N	
	5.74	13.89		8.15	T.P. FROM PREVIOUS PAGE	
			7.69	6.20		7' RIGHT SET 1X2 UP 0.3
			6.9	7.0		14' SAND
			5.05	8.84		19' 1X2 UP 1.3
			2.2	9.7		27½ TOP BANK
			1.9	12.0		32½ TOP "
			2.7	11.2		61' BOT. WOOD SEA WALL
			+1.5	15.4		62½ TOP SEA WALL
			1.31	17.0		62' " WOOD DECK
			+3.1	17.0		79' EDGE CONC DECK
	1.42	7.62		6.20	1X2	7 FT RIGHT
			3.0	4.6	1 FT LEFT M.H.W.	
					CUT GUN AT 970+66.58 SIGHT ON N 104	
			6.6	10.	*1 2° 34'	
			7.5	01.	2 4 40	
			9.0	-1.4	3 6 58	
			11.0	-3.4	* 10 49	DATUM
			13.5	-5.9	5 14 29	MEAN LOWER LOW WATER
			15.8	-8.2	6 17 12	

F. B. 3793 Pg. 74 | Job No. 030002 Division No. 11 Notes Red ____ Plotted ____ Profile

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

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

Indexed ____ Date ____ Date ____ Date ____ No. ____

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

76-L-298 CE 507 2-63

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LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

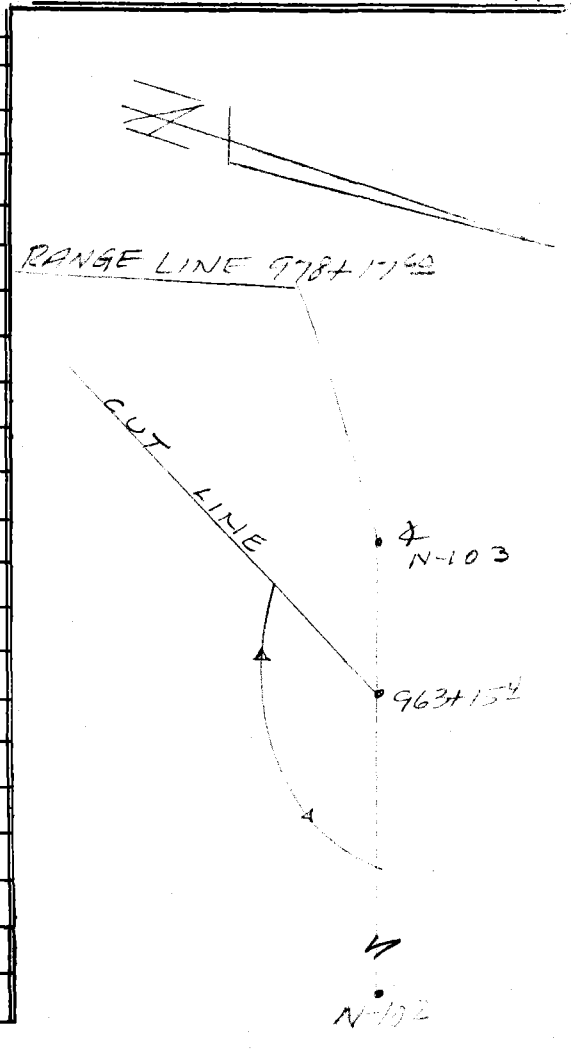
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 978+17.60 N

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
963+15.4	N-102	11:57	1	115°	40'			
			2	117°	41'			
			3	119°	35'			
			4	121°	17'			
			5	122°	58'			
			6	125°	15'			
			7	127°	02'			
			8	128°	47'			
			9	131°	24'			
			10	133°	50'			
			11	136°	48'			
			12	140°	19'			
			13	143°	32'			
			14	147°	22'			
			15	151°	03'			
			16	155°	03'			
			17	157°	48'			
			18	160°	08'			
			19	162°	23'			
			20	165°	03'			



Profile Notes Red. Plotted Job No. 03000.02 Division No. 11 F. B. 3793 Pg. 75
No. Date Date Survey of LA DRAINAGE SURVEY
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes Chkd. Date [illegible]
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 Pg. 76 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No.
			21	180	21'				
			22	180	31				
		12.02	23	180	27'				

76-L-298 CE 307 2-63

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.	978+706 N	
		13 89.			H.I. FROM PREV	OUS PG
			8 09	5 80		1° RIGHT END STEEL GROIN
			9 15	4 74		1° BOT " "
			09	130		14° TOP GROIN "
			6 9	7 0		14° BOT "
			5 6	8 3		21⁵ JOIN STEEL SEA WALL
			+3 0	16 9		21⁵ TOP GROIN
			2 1	11 8		61⁵ GR. END GROIN
			+3 0	16 9		61⁵ TOP " "
T.P.			4 23	9 66		
					TO LEFT NOT AFFECTED BY ROCKS UNDER BLDGS.	DATUM MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 77
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-10-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 78 | Job No. C300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

PLEASE RETURN TO
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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 2-63

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.	979+684 N	RIGHT
	657	1623		966	T.P. FROM PREVIOUS PG	
			114	48		℄ GR END STEEL GROIN
			104	58		℄ BOT " "
			95	67		14° BOT " "
			32	130		14° TOP " "
			85	77		21° GR. JOIN SEA WALL
			+06	168		21° TOP " "
T.P.	242	1431	434	1189	[illegible]	
			21	122		91° GR END GROIN
			+05	~~167~~ 143		91° TOP "

TO LEFT NOT AFFECTED BY ROCKS UNDER BLDG.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 79
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 5-10-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 80 Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

PLEASE RETURN TO
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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 2-63

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. 23002 Division No. 11
No.____ X-Sec. Date____ Date____ Survey of MALIBU HYDRO Streets
No.____ Notes Chkd.____ Checked____ Survey by WILSON Notes ADAMS Date 4-10-62
Date____ Date____ Map No.____ Indexed C.J.GALLI Date____
F.B. 3793 Pg. 81

STATION	B. S.	H. I.	F. S.	ELEV.	980+67 34 N	RIGHT
		14.31			H.I. From PREVIOUS PG	
			7.86	6.45		4° SET 1X2 UP 0.3
			6.3	8.0		14° SAND
			5.06	9.25		14° 1X2 UP 1.3
			2.4	11.9		41° GR. CH.
			2.7	11.6		80° BOT BANK
			+3.2	17.5		95° EDGE MAC. PAV.
			+3.6	17.9		174° " " "
T.P.	5.35	13.72	5.94	8.37	Rock	
T.P			2.35	11.37	BOLT S.L. COR PILING OF PSE 22716	
	1.83	8.28		6.45		1X2 4 FT RIGHT
			3.7	4.6	9 FT LEFT M.H.W.	
					CUT GUN AT 983+18.28 N SIGHT 980+67.34	
			6.6	17.1	8° 30'	
			8.6	-03.2	19 50	
			11.1	-28.5	31 37	
			14.8	-65.4	40 56	
			16.7	-84.5	45 12	

DATUM
MEAN LOWER LOW WATER

F.B. 3793 Pg. 82 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

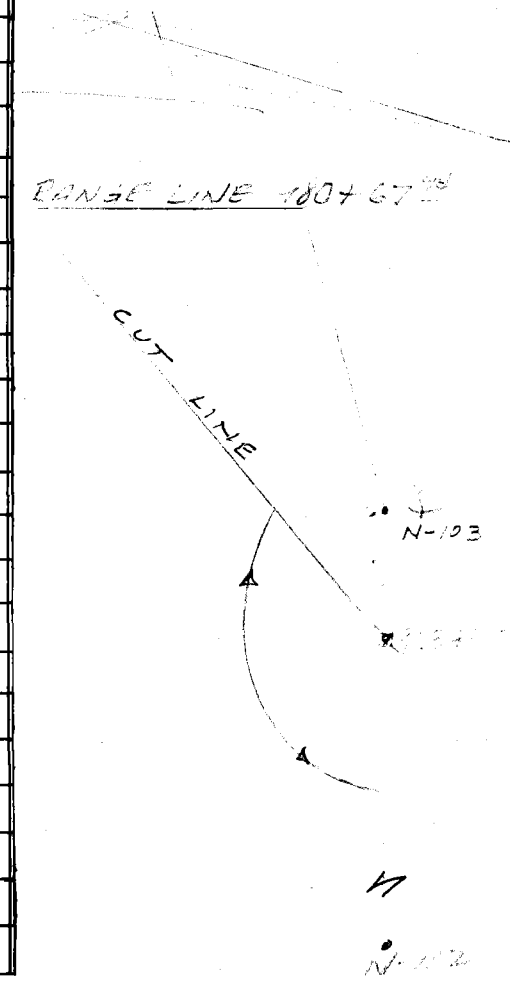
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

RANGE LINE 980+67.94 N

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					
[illegible]	N-102	[illegible]	1	[illegible]	[illegible]			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			
			4	[illegible]	27'			
			5	[illegible]	[illegible]			
			6	128°	23'			
			7	130°	06'			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			
			13	144°	55'			
			14	147°	33'			
			15	151°	54'			
			16	155°	17'			
			17	158°	33'			
			18	161°	15'			
			19	163°	55'			
			20	165°	36'			



Profile Notes Red. ____ Plotted ____ Job No. 0300-02 Division No. 11 F.B. 3793 Pg. 83

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

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

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

F. B. 3793 Pg. 84 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed [illegible] 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.
		12:14	22	169	03'			

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	983+18.28 N LEFT RIGHT
	165	8 10		6 45	1 x 2 4 FT RIGHT STA. 980+67.94 N (PRECEEDING PAGE)
	458	12 33	035	7 75	T. P. 1 X 2 & UP 1 FOOT
			56	67	&
			41	8 2	7 FT RIGHT
			26	9 7	16 FT " 1ST ROW PLANTS
			01	12 2	33 " " TOP BRK UNDER BLDG.
			098	11 35	T. P. TOP BOLT, EL. 11.37, SEE MIDDLE PRECEEDING PAGE
	165	8 10		6 45	
			14	67	&
			35	46	12 FT LEFT M.H.W.
					CUT GUN 980+67.94 N (E) SIGHT ON N-104
			69	12	1 9° 30'
			79	02	2 15 34
			94	-13	3 22 02
			115	-34	4 31 27
			148	-67	5 40 20
			166	-85	6 44 31

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted Job No. 030.02 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO
No. Date Notes Chkd. Checked Survey by DREIER Notes DREIER Date 4-10-67
Date Map No. Indexed Date

F. B. 3793 Pg. 85

F. B. 3793 Pg. 86 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd Checked X-Sec.

Indexed Date Date Date No.

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

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

709 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

76L-208 S & K #307—1-56

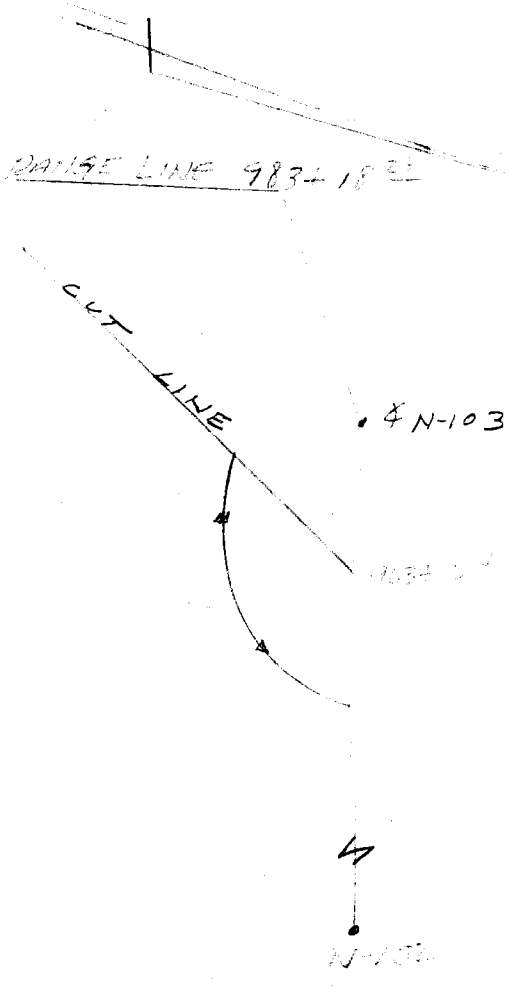
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 983+ 18.28 N.

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					
963+15.4	N-102	[illegible]	1	125°	08'			
			2	125°	57'			
			3	[illegible]	[illegible]			
			4	128°	39'			
			5	130°	15'			
			6	132°	15'			
			7	134°	07'			
			8	135°	[illegible]			
			9	138°	55'			
			10	141°	29'			
			11	143°	54'			
			12	146°	39'			
			13	148°	52'			
			14	151°	03'			
			15	[illegible]	20'			
			16	[illegible]	30'			
			17	159°	37'			
			18	161°	34'			
			19	164°	00'			
			20	165°	56'			



Profile Notes Red. ____ Plotted ____ Job No. 0300102 Division No. 11 F. B. 3793 Pg. 87
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 88 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
			21	167°	50'			
			22	169°	33'			
		1357	23	170°	14'			

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY F. B 3793 Pg. 89
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by RICHARDS
Checked	Notes UNHARRIET Date 4-13-67
Date	Indexed C. J. GALLI

TIDE GAGE READINGS
APRIL 13, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	0.0
6:30	0.2
7:00	0.5
7:30	1.0
8:00	1.3
8:30	1.6
9:00	1.9
9:30	2.1
10:00	2.4
10:30	2.5
11:00	2.7
11:30	2.7
12:00	2.6
12:30	2.6
13:00	2.4
13:30	2.3
14:00	2.0

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

DATUM
MEAN LOWER LOW WATER

Note: Any Additions 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
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

76F309S CE#310 1-65

F. B. 3793 PG 90

April 13, 1967

Predicted Tides

Observed Tides

6 8 10 12 2 4 6

6 4 2 0

PLEASE RETURN TO
LOS ANGELES 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 2-63

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.	985+71.83 N	
	0.89	12.26		11.37	T.P. FROM PREVIOUS PG.	HSE # 22716
T.P.	4.75	12.43	4.58	7.68	LEFT	
			9.24	3.19	21° SET 1X2 UP 0.2	
			7.3	5.1		℄ SAND RIGHT
			5.92	6.51		9° SET 1X2 FLUSH
			3.8	8.6		22° BOT BANK
			1.5	10.9		23° TOP "
			0.1	12.3		54° BOT PILINGS
			+6.6	19.0		45° TOP WOOD DECK UNDER
			+1.8	14.2		77° GR. CH. BLDG. FRONT BLDG
			+2.7	15.1		112° BOT FOUNDATION
			+6.6	19.0		112° FLOOR ELEV.
T.P.			7.29	5.14	Rock	
					CUT GUN AT N-105 SIGHT ON N-104	
	1.16	7.67		6.51	1X2 9 FT RIGHT	
			3.1	4.6	1 0° 8'	
			6.1	1.6	2 0 57'	
			6.9	0.8	3 1° 36'	
			8.4	-0.7	4 2° 46'	
			9.5	-1.8	5 3° 48'	
			10.9	-3.2	6 4° 56'	

DATUM
MEAN LOWER LOW WATER

CONT.

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 030002 Division No. 11 Survey of MALIBU HYDRO
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by WILSON Notes ADAMS Date 4-12-67
Map No. ____ Date ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 91

F.B. 3793 PG. 92 Job No. 0300,02 Division No. 11 Notes Red Plotted Profile

Survey of HYD. SUR. Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

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.		
		767			985+71.83 N. LEFT	
			138	-61.7	CUT GUN ON N-105	SIGHT ON N-104
			165	-88.8	6° 52' 8° 22'	

765420A - CE 353A - Cdb 9-62

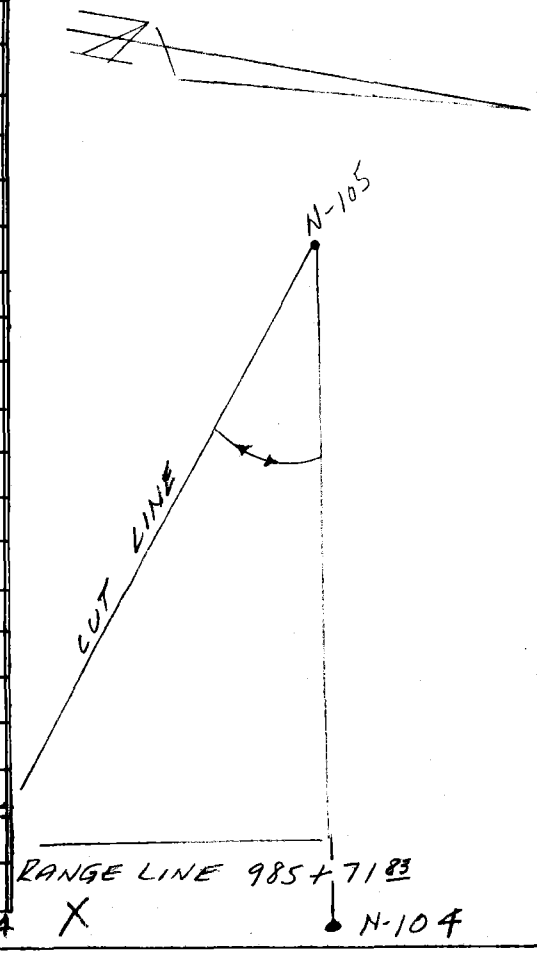
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-105	N-104	8:11	1	73°	03'			
			2	71°	14'			
			3	69°	12'			9857212
			4	67°	10'			
			5	64°	58'			
			6	61°	19'			9857214
			7	58°	10'			
			8	54°	48'			
			9	49°	16'			9857216
			10	43°	40'			
			11	37°	44'			
			12	32°	08'			9857218
			13	25°	26'			
			14	21°	21'			
			15	17°	45'			9857220
			16	13°	10'			
			17	10°	14'			
			18	08°	04'			9857222
			19	05°	39'			
		8:16	20	04°	35'			
				00	00			9857224

RANGE LINE 985+71.83 N.



Profile Notes Red. ____ Plotted ____ Job No. 0300.07 Division No. 11 F. B. 3793 Pg. 93
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-13-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI 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. 3723 Pg. 24 | 0300.02

Job No. _____ Division No. 11

Survey of HYDROGRAPHIC SURVEY

Survey by RICHARDS Notes J.G.

Indexed _____ Date _____

Profile _____ Plotted _____ No. _____

Notes Red. _____ Date _____

Notes Chkd. _____ Date _____

Checked _____ Date _____

X-Sec. _____ No. _____

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					
				71	42			
				00	00			
				00	00			9857208
				00	00			
				00	00			
				00	00			9857210
				71	42			
				00	00			
				00	00			9857234
				00	00			
				00	00			
				00	00			9857236
				04	56			
				03	48			
				02	46			9857238
				01	36			
				00	57			
				00	08			9857240
				00	00			
				06	00			
				00	00			9857242

76-L-298 CE 307 2-63

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. 23002 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 4-12-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____
F.B. 3793 Pg. 95

STATION	B. S.	H. I.	F. S.	ELEV.	988+35 ± N	
T.P.	3.90	9.04		5.14	T.P. FROM PREVIOUS PG	
			6.66	2.38		19° SET 1X2 UP O.Z RIGHT
			4.41	4.63		45° " " " "
			3.6	5.4		53° PILINGS "BOT.
			2.4	6.6		65° BOT BANK BLDG UNDER
			+3.4	12.4		74° TOP " "
			+9.0	18.0		157° BOT FOUNDATION FRONT BLDG
			+11.32	20.3		157° FLOOR BLDG
T.P.			3.98	5.56	ROCK	
					CUT GUN ON N-105 SIGHT ON N-104	
	3.29	7.92		4.63	1X2 45 RIGHT	
			3.3	4.6	#1 1° 43' LEFT M.N.W.	
			5.7	2.2	2 0° 53' LEFT	
			7.3	0.6	3 0 7' RIGHT	
			8.8	-0.9	4 1 28 "	
			10.7	-2.8	5 3 47 "	
			13.3	-5.4	6 5 36 "	
			16.4	-8.5	7 8 01 "	

DATUM
MEAN LOWER LOW WATER

F. B. 3793 Pg. 96 | Job No. 03002 Division No. 11 Notes Red ____ Plotted ____ Profile

Survey of HYD. SUR. Date ____ Date ____ No. ____

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

Indexed ____ Date ____ Date ____ Date ____ No. ____

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

76-L-298 CE 307 2-63

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

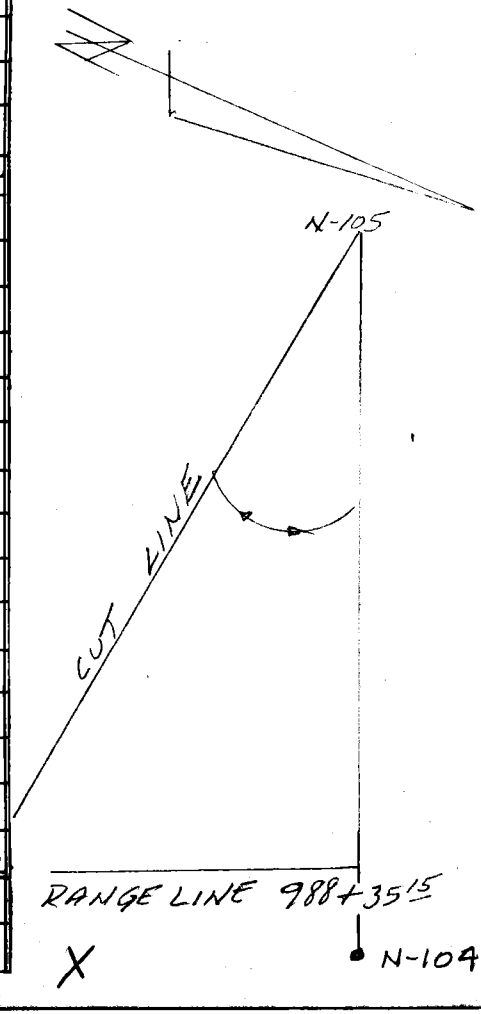
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 988+35.15

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-105	N-104	8:26	1	78°	21'			
			2	76°	17'			
			3	74°	08'			9883512
			4	72°	04'			
			5	69°	51'			
			6	66°	21'			9883514
			7	63°	25'			
			8	59°	54'			
			9	55°	39'			9883516
			10	51°	48'			
			11	46°	54'			
			12	41°	37'			9883518
			13	34°	56'			
			14	28°	18'			
			15	23°	37'			9883520
			16	18°	02'			
			17	13°	22'			
			18	08°	40'			9883522
			19	06°	36'			
		8:31	20	04°	25'			
				00	00			9883524



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 97
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-13-67
No. Date Date Map No. Indexed C. J. GALLI 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					
				71	42			
				00	00			
				00	00			9883508
				00	00			
				00	00			
				00	00			9883510
				71	42			
				00	00			
				00	00			9883534
				00	00			
				00	00			
				00	00			9883536
				08	01			
				05	36			
				03	47			9883538
				01	28			
				00	07			
				00	00			9883540
				00	00			
				00	00			
				00	00			9883542

F. B. 3793 Pg. 98 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes J.G. Notes Chkd. Checked

Indexed Date Date No.

76-L-298 CE 307 2-63

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.	990 + 98.5 N	
	466	1022		556	T.P. FROM PREVIOUS PG.	
			738	284		56° RIGHT SET 1X2 UP 0.3
			489	533		81.6 " " FLUSH
			15	87		103° BOT BANK
			+32	134		108° TOP "
			+35	137		136° BOT "
			+80	182		145° TOP " EDGE PK. LOT.
			+88	190		227° EDGE PKING. LOT
T.P			521	501		
					CUT GUN ON N-105 SIGHT ON N-104	
	182	72 715		533	1X2 81.6 FT RIGHT	
			26	46	#1 3° 31' LEFT M.H.W.	
			53	19	2 2 26 "	
			67	05	3 1 12 "	
			80	-08	4 0 42 RIGHT	
			95	-23	5 2 48 "	
			120	-48	6 5 08 "	
			150	-78	7 7 56 "	
			165	-93	8 9 20 "	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 99
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-12-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 100 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYD. SUR. Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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

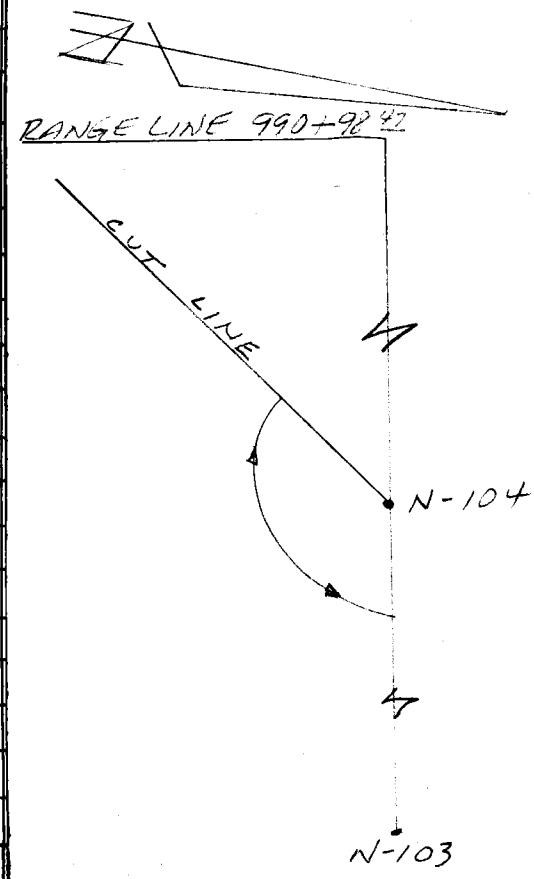
765420A - CE 353A - Cab 9-62

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. RANGE LINE 990+98.47 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-103	9:08	1	104°	17'			
			2	104°	59'			
			3	105°	29'			
			4	106°	08'			
			5	106°	57'			
			6	108°	04'			
			7	109°	13'			
			8	110°	38'			
			9	112°	10'			
			10	113°	59'			
			11	115°	53'			
			12	118°	40'			
			13	121°	42'			
			14	125°	25'			
			15	130°	38'			
			16	136°	47'			
			17	142°	50'			
			18	149°	25'			
			19	154°	34'			
		9:13	20	156°	51'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 101
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 5-13-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 102 | Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J.G. Notes Chkd. ______ Checked ______ X-Sec.

Indexed ______ Date ______ Date ______ Date ______ No. ______

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

Do not extend notes this side of this line.

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.

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Profile Notes Red____ Plotted____ Job No. 03002-Division No. 11 F.B. 3793 Pg. 103
No.____ X-Sec. Date____ Date____ Survey of MALIBU AREA
No.____ Notes Chkd.____ Checked____ Survey by W.E. SCOTT Notes APPROX Date 4-12-67
Date____ Date____ Map No.____ Indexed C.J. GALLI Date____

STATION	B. S.	H. I.	F. S.	ELEV.	993 +618 N	
T.P.	4 55	9 56		501.		T.P. FROM PREVIOUS PG
			7 06	250.		70° RIGHT SET IX 2 UP 0.4
			4 7	49.		100° BOT. PILINGS BLDG
			3 78	578.		" 20 AHEAD PAINT T.B.M. ON ROCK
			3 2	64.		112° BOT BANK UNDER BLDG
			+4 7	143.		125° TOP " "
			+5 6	152.		141° GR. C.H. "
			+11 4	210.		151° FLOOR BLDG FRONT
T.P.			4 21	535.	Rock	
					CUT GUN ON N-105 SIGHT ON N-104	
	1 22	7 00		578	T.B.M. ON ROCK 20 FT AHEAD	
			2 4	46.		9.6 FT RIGHT M.H.W.
			50	20. 1	4° 12' LEFT	
			66	04. 2	2 16 "	SOME SCAT. ROCKS VISIBLE
			95	-25. 3	2 10 RIGHT	" " " "
			101	-31. 4	5 18 "	
			13 7	-67. 5	8 33 "	
			133	-63. 6	9 35 "	DATUM MEAN LOWER LOW WATER
			150	-80. 7	11 43 "	
			164	-94. 8	13 15 "	

F. B. 3793 Pg. 104 Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-208 CE 307 2-63

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76-L-298 CE 307 2-63

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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STATION	B. S.	H. I.	F. S.	ELEV.	996 +25'	
	6.70	12.05		5.35	T.P. FROM PREVIOUS PG	
			7.59	4.46		RIGHT 20° SET 1×2 UP 0.2
			4.70	7.35		49° " " " 0.1
			3.9	8.2		66° PILINGS BLDG
			1.4	10.7		81° GR.CH. UNDER BLDG
			+1.5	13.6		109° BOT BANK " "
			+5.5	17.6		110° TOP " " "
			+5.9	18.0		121° BOT FOOTING FRONT BLDG
			+7.0	19.1		121° FLOOR BLDG
T.P.			6.25	5.80		
					CUT GUN AT N-105	SIGHT ON N-104
	3.86	8.32'		4.46		
			3.7	4.6		14 FT RIGHT M.H.W.
			180	-97.	#1 21° 22' RIGHT	
			163	-80.	2 16 51 "	
			120	-37.	3 11 13 "	
			99	-16.	4 7 29 "	
			82	01.	5 3 51 "	
			64	19.	6 0° 38' "	
			44	39.		20 FT RIGHT

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 3793 Pg. 107
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-17-47
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 108 | 0300.02

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

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765420A - CE 353A - Cdb 9-62

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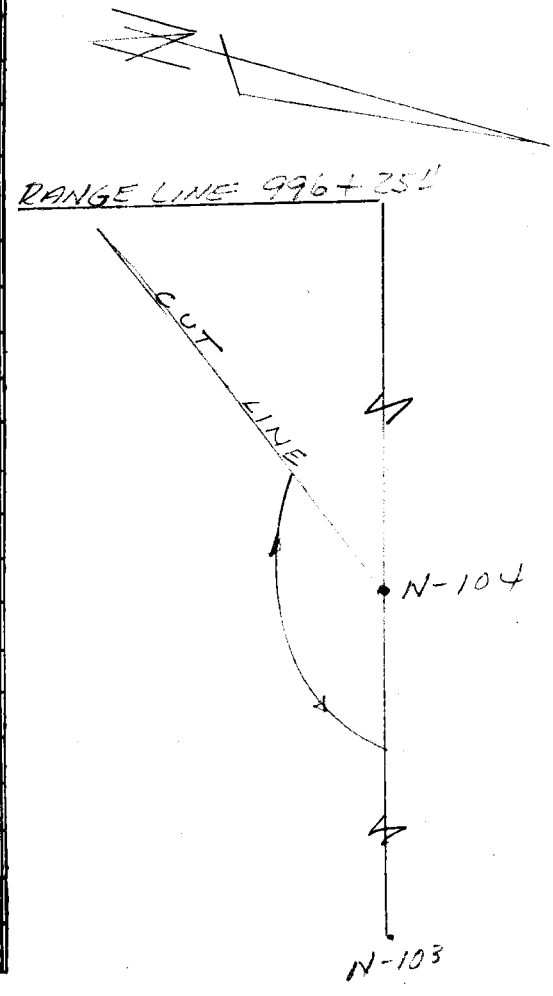
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-103	9:57	1	112°	43'			
			2	113°	33'			
			3	114°	43'			
			4	[illegible]	07'			
			5	117°	23'			
			6	119°	17'			
			7	121°	02'			
			8	123°	07'			
			9	124°	46'			
			10	127°	26'			
			11	130°	22'			
			12	133°	29'			
			13	137°	23'			
			14	141°	17'			
			15	145°	36'			
			16	149°	23'			
			17	152°	54'			
			18	155°	43'			
			19	158°	34'			
		10:02	20	160°	14'			

RANGE LINE 996+25.11 N.



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 109
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 13
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 110 Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J.G. 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.

Do not extend notes this side of this line.

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76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Profile Notes Red____ Plotted____ Job No. 030002 Division No. 11
No.____ X-Sec. Date____ Date____ Survey of MAL IBU HYD RD
No.____ Notes Chkd.____ Checked____ Survey by WILSON Notes APPRD Date 4-12-67
Date____ Date____ Map No.____ Indexed C.J. GALLI Date____

F.B. 3793 Pg. 111

STATION	B. S.	H. I.	F. S.	ELEV.	997+90	RIGHT
	5.09	10.89		5.80	T.P. FROM PREVIOUS PG	
+			9.1	6.8		46° BEGIN CONC BOT PILE BROKEN
			+10.1	21.0		70° TOP " " "
					998+88.43 N	
			7.52	3.37		17° SET IX2 UP 0.3
			6.62	4.27		29° " " " 0.1
			4.6	6.3		45° BOT PILE BROKEN CONC
			+10.2	21.1		70° TOP " " "
			+10.6	21.5		175° EDGE PVMT PAC. COAST HWY
T.P.			5.23	5.66	Rock	
					CUT GUN ON N-105	SIGHT ON N-104
	2.79	7.06		4.27	IX2 29 FT RIGHT	
			2.5	4.5		33 FT RIGHT M.H.W.
			6.0	1.1	#1 1° 29' RIGHT	
			6.8	0.3	2 4 22 "	
			7.9	-0.8	3 8 33 "	
			10.0	-2.9	4 15 49 "	DATUM
			11.5	-4.4	5 21 03 "	MEAN LOWER LOW WATER
			13.4	-6.3	6 27 00 "	
			15.8	-8.7	7 33 17 "	

F. B. 3793 Pg. 112 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of HYD, SUR, Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-296 CE 507 2-63

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765420A • CE 353A • Cdb 9-62

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726 Los Angeles County Engineering Bldg.

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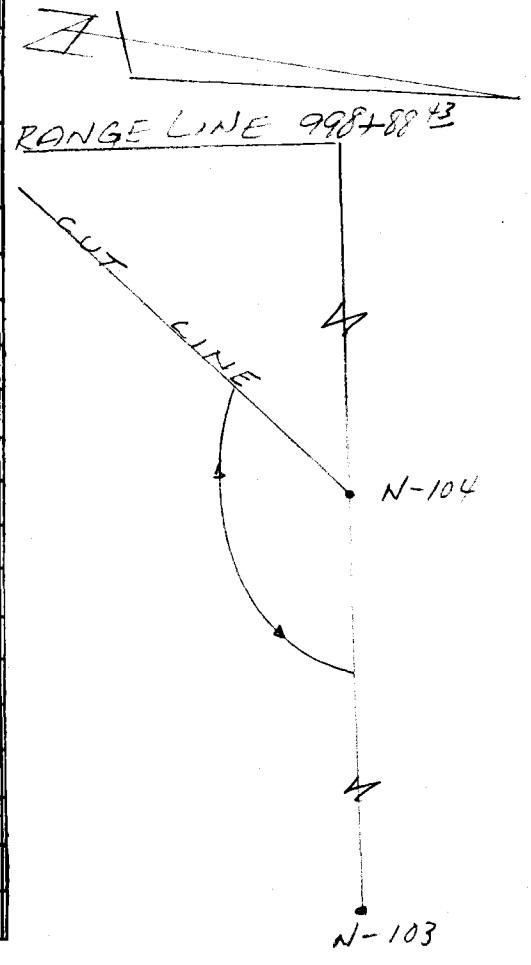
Do not extend notes this side of this line.

RANGE LINE 998+88.43 N.

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					
N-104	N-103	10:19	1	118°	18'			
			2	119°	46'			
			3	120°	57'			
			4	122°	24'			
			5	123°	50'			
			6	126°	21'			
			7	128°	29'			
			8	130°	34'			
			9	132°	46'			
			10	135°	21'			
			11	138°	38°			
			12	140°	37'			
			13	143°	32'			
			14	146°	11'			
			15	149°	12'			
			16	151°	56'			
			17	154°	51'			
			18	156°	46'			
			19	159°	02'			
		10:24	20	160°	25'			



Profile Notes Red. Plotted Job No. 03002 Division No. 11 F. B. 3793 Pg. 113
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by Notes Date 13
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 Pg. 114 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 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.	Range Line Min.	Card 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.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
				79	14				
				76	50				
				74	40				0051610
				71	36				
				67	16				
				63	01				0051612
				59	45				
				55	43				
				51	13				0051614
				47	39				
				44	09				
				41	06				0051616
				38	50				
				36	52				
				35	45				0051618
				33	00				
				30	06				
				27	24				0051620
				25	14				
				23	15				
				21	38				0051622

X

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. 3193 Pg. 93A

76L298 307 Cdb 12-62

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

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F. B. 3793 Pg. 124-A Job No. Division No. Notes Red. Plotted No. Profile

Survey of Date Date X-Sec.

Survey by Notes Notes Chkd. Checked No.

Indexed Date Date Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				19	58			
				00	00			
				00	00			0051624
				00	00			
				00	00			
				00	00			0051626
				90	00			
				00	00			
				00	00			0051628
				00	00			
				00	00			
				00	00			0051630
				90	00			
				00	00			
				00	00			0051638
				00	00			
				00	00			
				00	00			0051640
				19	54			
				13	15			
				07	19			0051642

76-L-298 CE 307 2-63

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Profile Notes Red____ Plotted____ Job No. 23002 Division No. 11 F.B. 3793 Pg. 115
No. X-Sec. Date____ Date____ Survey of MALIBU HYDRO
No.____ Notes Chkd.____ Checked____ Survey by WILSON Notes ADAMS Date 4-12-67
Date____ Date____ Map No.____ Indexed C.I. GALLI Date____

STATION	B. S.	H. I.	F. S.	ELEV.	1001 + 51.75 N	
T.P.	5.25	10.91		5.66	T.P. FROM PREVIOUS PAGE	
			6.89	4.02	8° LEFT SET 1X2 UP 0.3	
			6.4	4.5		8° SAND RIGHT
			5.04	4.87		9° SET 1X2 FLUSH
			1.3	6.6		15 BOT BROKEN CONC BANK
			+9.8	20.7		43° TOP "FILL"
			+11.4	22.3		142° EDGE PVMT PAC. CST. HWY
					1002+53	
			3.0	7.9		10° END BROKEN CONC BOT. FILL.
			+10.6	21.5		30° TOP FILL.
T.B.M #11			0.96	9.95	FD LGE. BT. SPK. IN PILING @ MALIBU PIER ELEV. 9.87.	
					1001 + 51.75	
					CUT GUN AT N-105 SIGHT ON N-104	
	1.67	6.54		4.87	1X2	9 FT RIGHT
			1.9	4.76		9 " " M.H.W.
			5.9	1.06	#1 13° 03'	
			6.9	+0.06 −0.04	2 24 56	
			8.4	−0.19	3 42 16	DATUM
			10.8	−0.43	4 62 38	MEAN LOWER LOW WATER
			13.0	−0.65	5 72 28	
			14.4	−0.79	6 79 13	

F. B. 3793 Pg. 116 | 0300.02

Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYD. SUR. Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

78-L-298 CE 307 2-63

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76-L-298 CE 307 2-63

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	N-105 1002+66.34N	
TBM. #11	1.69	11.56		9.87	∠GE. BT SPK. LEFT	MALIBU PIER
			68	4.8	19° SAND	
			472	6.84		℄ FD 2X2 & CE TAG MALIBU PIER
			30	8.6		9° GR EDGE PIER
			+27	14.3		40° GR. CH UNDER PIER
			+47	16.3		83° BOT FOOTING
			+90	20.6		83° WOOD DECK
T.P.			258	8.98		
	0.56	7.40		6.84		
			28	4.6	18 FT LEFT	
					CUT GUN AT N-106	SIGHT ON N-105
			174	-10.0	#1 20° 28' 308	
			152	-7.8	2 16 15 305	
			125	-5.1	3 13 02 191	
			108	-3.4	4 10 31 153	
			90	-1.6	5 7 26 108	
			74	0.0	6 5 07 74	
			64	1.0	7 3 27 50	
			53	2.1	8 2 48 40	

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0300.02 Division No. 11 Survey of MALIBU HYDRO Survey by WILSON Notes ADAMS Date 4-12-67 Map No. Indexed C. J. GALLI Date

F.B. 3793 PG. 117

F.B. 3793 Pg. 118 | 0300,02

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

78-L-298 CE 307 2-63

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765420A - CE 353A - Cdb 9-62

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726 Los Angeles County Engineering Bldg.

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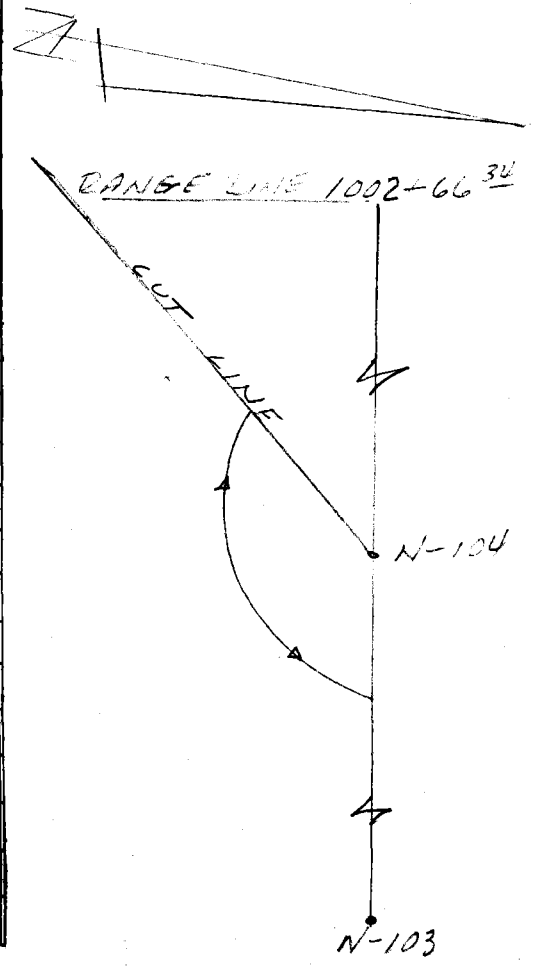
Do not extend notes this side of this line. RANGE LINE 1002+66.34 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch			Deg.	Min.	
N-104	N-103	11:02	1	88°	33'			
			2	90°	4'			
			3	92°	37'			
			4	95°	54'			
			5	99°	10'			
			6	102°	15'			
			7	105°	52'			
			8	109°	45'			
			9	113°	40'			
			10	118°	20'			
			11	122°	41'			
			12	128°	23'			
			13	133°	12'			
			14	138°	08'			
			15	143°	19'			
			16	147°	36'			
			17	150°	12'			
			18	152°	50'			
			19	154°	26'			
			20	156°	41'			



Profile Notes Red. Plotted Job No. 8300.02 Division No. 11 F. B. 3793 Pg. 119
No. Date. Date. Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes JG Date 4-13-62
No. Date. Date. Map No. Indexed C. I. GALLI Date.

F. B. 3793 Pg. 120 | 0300.02 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed C.J. GALLI Date Date Date No.

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

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No.
		11:07	21	158°	43'				
			22	160'	03'				

76-L-298 CE 307 2-63

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.

+11.73

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	1005 +16.4 N	
	349	1247		893	T.P. FROM PREVIOUS PG	
			84	41		RIGHT 16° SAND
			20	105		59° GR CH. PILINGS BLDG
			+26	151		73° GR. CH. UNDER BLDG
			+36	161		91° BOT SEA WALL
			+51	176		91° TOP " "
			054	1193	SET T.B.M. ON	BOLT IN PILING
T.P.			452	795		
T.P.	010	12 03		1193	T.B.M. ON BOLT	IN PILING
T.P.	369	647	925	278	T.P. 1X2	℄
			42	23		℄ SAND
			19	46		18 FT RIGHT M.H.W
					CUT GUN AT N-106	SIGHT N-105
			49	16	#1 0° 54'	
			68	-03	2 4 43	
			80	-15	3 7 19	
			110	-45	4 13 15	
			140	-75	5 19 54	

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red ___ Plotted ___ Job No. 030002 Division No. 11 F.B. 3793 Pg. 121
Date ___ Date ___ Survey of MALIBU HYDRO
X-Sec. No. ___ Notes Chkd. ___ Checked ___ Survey by WILSON Notes ADAMS Date [illegible] 67
Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date ___

F. B. 3793 Pg. 122 | 030002 Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYD, SUR. Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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

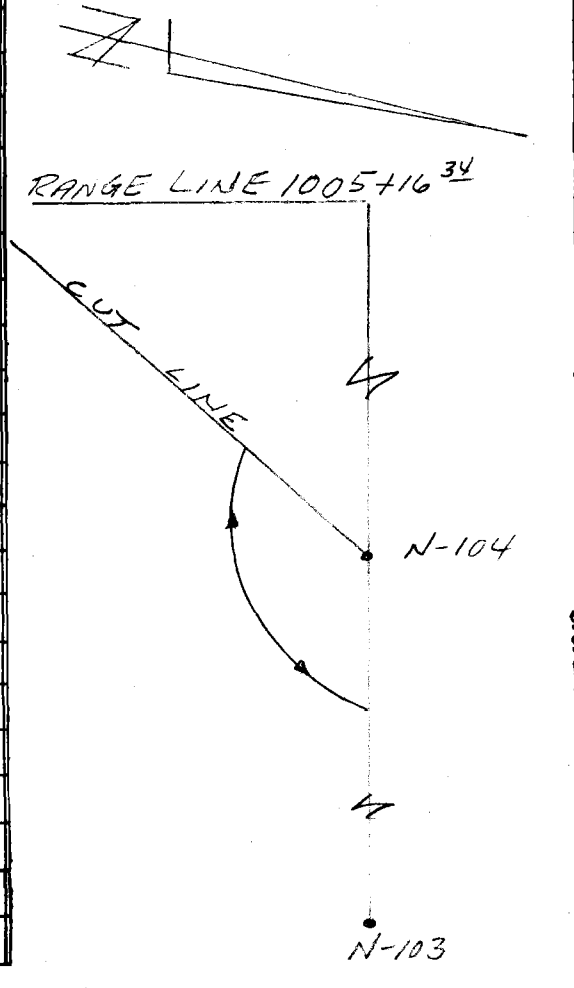
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1005+16.34 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
N-104	N-103	10:53	1	100°	40'				
			2	105°	10'				
			3	109°	20'				
			4	112°	21'				
			5	112°	44'				
			6	116°	59'				
			7	120°	15'				
			8	124°	17'				
			9	128°	47'				
			10	132°	21'				
			11	135°	51'				
			12	138°	54'				
			13	141°	10'				
			14	143°	08'				
			15	146°	15'				
			16	147°	00'				
			17	149°	54'				
			18	152°	36'				
			19	154°	46'				
			20	156°	45'				



Profile
No. X-Sec. No.
Notes Red. Date. Notes Chkd. Date. Map No.
Plotted. Date. Checked. Date.
Job No. 03300.02 Division No. 11
Survey of HYDROGRAPHIC SURVEY
Survey by C. J. CALL Notes 3 Date 4-13-62
Indexed C. J. CALL Date
F. B. 3793 Pg. 123

F. B. 3793 Pg. 124 | 0300.02 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

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

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	For Office Use Only Range Min.	For Office Use Only Line	For Office Use Only Card No.
		10:45	22	160°	02'				
			21	158°	22'				

76-L-298 CE 307 2-63

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. 030092 Division No. 11
No. X-Sec. Date Date Survey of MALIBU HYDRO
Notes Chkd. Checked Survey by WILSON Notes ADAMS Date 4-12-67
No. Date Date Map No. Indexed C.J.GALL Date

F.B. 3793 Pg. 125

STATION	B. S.	H. I.	F. S.	ELEV.	1007+663 N	
	4.96	12.91		7.95	T.P. FROM PREVIOUS PG.	
			9.68	3.23		SET 1X2 UP 0.2
			4.4	8.5		45° GR. EL.
			1.82	11.09		66° SET T.S.M. ON LATH
			0.7	12.2		77° BOT BANK
			+2.0	14.9		91° EDGE SAND RD
			+3.1	16.0		110° BOT BANK
			+12.4	25.3		135° TOP "
			+11.9	24.8		145° EDGE RD.
T.P.			4.48	8.43		
	3.00	6.23		3.23	1X2	
			1.6	4.6		15 FT RIGHT M.H.W.
					CUT GUN ON N.106	SIGHT ON N-105
			5.3	0.9	1 3° 27'	
			6.0	0.2	2 5 41	
			7.1	-0.9	3 9 37	
			8.4	-2.2	4 15 40	
			11.1	-4.9	5 26 57	
			13.5	-7.3	6 35 10	
			14.0	-7.8	7 40 06	

DATUM
MEAN LOWER LOW WATER

F. B. 3793 Pg. 126 | 030002

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

78-L-296 CE 307 2-83

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

76S420A - CE 353A - Cdb 9-62

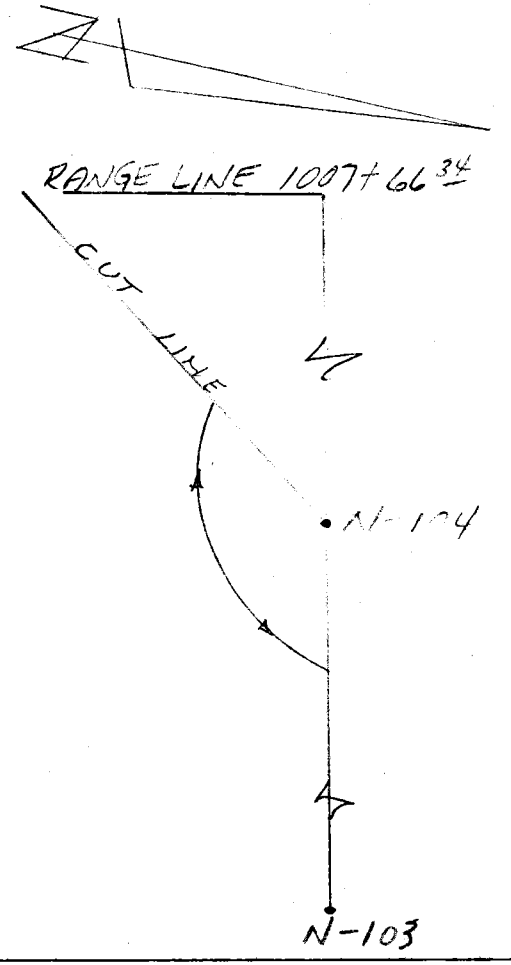
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
N-104	N-103	11:15	1	97°	20'			
			2	99°	35'			
			3	102°	09'			
			4	104°	16'			
			5	106°	45'			
			6	109°	18'			
			7	112°	12'			
			8	115°	45'			
			9	119°	18'			
			10	122°	15'			
			11	125°	45'			
			12	129°	31'			
			13	133°	06'			
			14	137°	26'			
			15	141°	33'			
			16	145°	11'			
			17	147°	46'			
			18	150°	14'			
			19	152°	45'			
			20	154°	30'			

RANGE LINE 1007+66.34 N.



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 1,27
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-13-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3793 Pg. 128 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

Survey by RICHARDS | Notes J.G. | Notes Chkd. | Checked | X-Sec.

Indexed P.J. BALL | 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.	Range Line Min.	Card No.
		11:21	21	156°	15'			

76-L-298 CE 307 2-63

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. 23002 Division No. 11
No._____ Date_____ Date_____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd._____ Checked_____ Survey by W.H. SON Notes APRIL Date 4-12-67
No._____ Date_____ Date_____ Map No._____ Indexed G.J. CALL Date_____

F.B. 3793 Pg. 129

STATION	B. S.	H. I.	F. S.	ELEV.	10 10 + 16 9 N
	5.15	13.58		843	T.P. FROM PREVIOUS PG
			890	468	8½ LEFT SET 1X2 UP 0.2
			396	962	℄ SET 1X2 FLUSH
			15	121	35° GR. CH.
			+121	257	119° FENCE LINE PAC. ST. HWY
			+138	274	125° CONC CURB
T.P.			238	1120	N-106 FD 1" TUBE FLUSH C.L.T.-C.
	270	7.38		468	1X2 8½ AT LEFT
			28	46	80 FT LEFT M.H.W.
					CUT GUN AT N 105. SIGHT N-106
			59	15.	#1 8° 21'
			73	+01	2 10 14
			88	-14.	3 11 37
			112	-38.	4 20 58
			125	-51.	5 22 26
			130	-56.	6 24 30
			140	-66.	7 28 12

DATUM
MEAN LOWER LOW WATER

F. B. 3793 Pg. 130 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYD. SUR. Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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

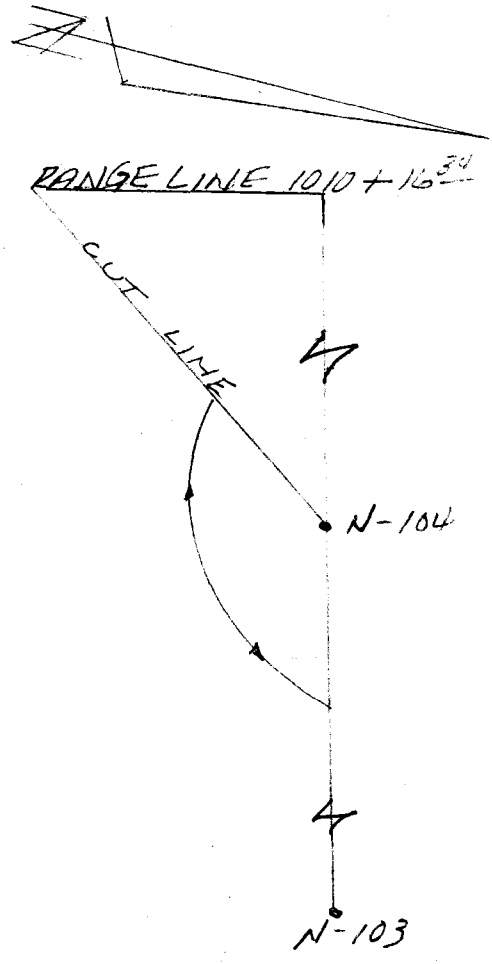
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1010+16.34 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-103	11:26	1	110°	01'			
			2	112°	19'			
			3	115°	32'			
			4	118°	46'			
			5	121°	58'			
			6	125°	09'			
			7	129°	13'			
			8	132°	55'			
			9	136°	05'			
			10	139°	32'			
			11	142°	38'			
			12	145°	30'			
			13	147°	45'			
			14	149°	29'			
			15	151°	03'			
			16	152°	49'			
		11:30	17	154°	02'			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 31
Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-13-67
Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

F. B. 3793 PG. 132 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

Survey by RICHARDS | Notes J.G. | 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 № (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	For Office Use Only Range Line Min.	Card №

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.

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

Survey of MALIBU AREA HYDROGRAPHIC SURVEY
JN 030002 Tape Std °F
Surveyed by RICHARDS
Notes HARRIET Date 4-14-67
Indexed C. J. GALLI

F. B. 3793 PG. 133

TIDE GAGE READINGS
APRIL 14, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	0.0
6:30	0.1
7:00	0.2
7:30	0.4
8:00	0.6
8:30	0.9
9:00	1.2
9:30	1.4
10:00	1.7
10:30	2.0
11:00	2.1
11:30	2.3
12:00	2.3
12:30	2.4
13:00	2.4
13:30	2.4
14:00	2.3

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

DATUM:
MEAN LOWER LOW WATER

Note: Any Additions 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
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

76F3095 CE#910 1-65

F. B 3793 PG 134

April 14, 1967

Predicted Tides

Observed Tides

6 8 10 12 2 4 6

6 4 2 0

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 this side of this line.

76-L-298 CE 307 2-63

1181
124
1305

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.	1013 + 41.9 N	
T.P.	3 95	1515		1120	N-106 FROM PREVIOUS PG	
			1305	210	168° LEFT SET 1X2 FLUSH	
			1130	385	110° GR. CH.	
			76	76	59 " "	
			73	79	44 " "	
			56	96	36 " "	
			346	1169		℄ SET 1X2 FLUSH RIGHT
			26	126		10° BOT BANK
			+14	166		18 TOP "
			+32	184		62 GR. CH.
T.P.			686	829	1X2	
					CUT GUN AT 1015+91.92	SIGHT ON N-106
	4 37	6 47		210	1X2 168 FT LEFT	
			19	46	96 FT LEFT M.H.W.	
			60	05	#1 40° 12'	
			76	-11	2 45 21	
			88	-23	3 50 25	
			113	-48	4 55 20	
			131	-66	5 60 07	
			157	-92	DATUM #6 64° 12'	

MEAN OVER LOW [illegible]

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 135
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-14-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 136 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYD. SVR. Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

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 2-63

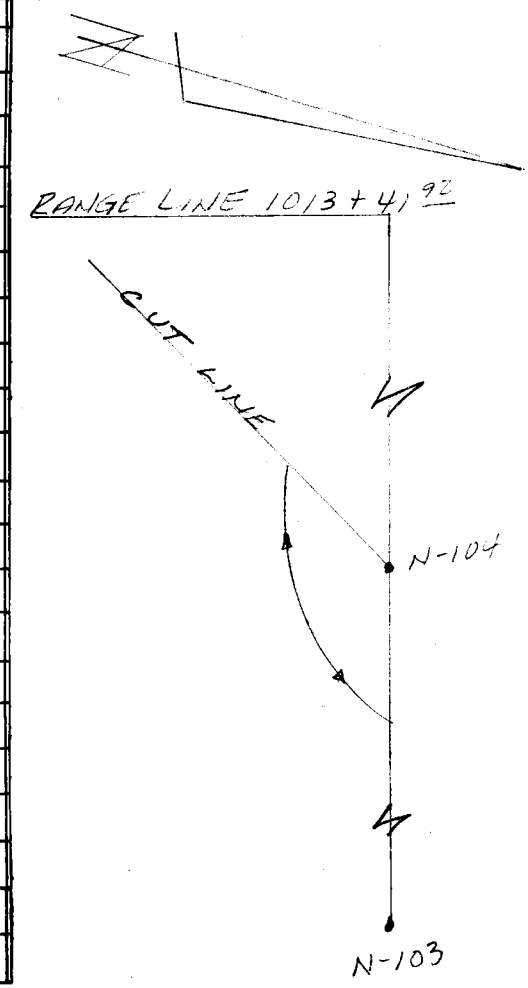
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1013+41.92

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-104	N-103	8:25	1	109°	43'			
			2	114°	28'			
			3	119°	10'			
			4	123°	08'			
			5	126°	58'			
			6	131°	40'			
			7	135°	58'			
			8	139°	20'			
			9	141°	05'			
			10	143°	03'			
			11	144°	46'			
			12	145°	48'			
		8:28	13	147°	06'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 137
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-14-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 138 Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J.G. 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

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 2-63

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.	1015 + 91.9 N	
	400	1229		829	T.P. FROM PREVIOUS PAGE	
			1000	229	223° LEFT SET 1X2 UP 0.1	
			77	46	147° SAND M.H.W	
			38	85	90 GR. CH.	
			47	76	52 " "	
			161	1068		℄ SET 1X2 FLUSH RIGHT
			07	116		15 TOP BANK
			48	75		37 BOT "
			33	90		47 BOT SEA WALL WOOD
			+19	142		48 TOP " "
			+41	164		62 GR. CH. LAWN
			+73	196		77 " " "
T.P.			366	863	ROCK	
					CUT GUN AT 1013+41.92 SIGHT ON 1015+91.9	
	447	676		229	1X2 223 FT. LEFT	
			138	-70	1 65° 05'	
			124	-56	2 62 24	
			98	-30	3 58 45	
			99	-31	4 56 55	
			80	-12	DATUM 5 52° 07'	
			71	0.3	MEAN LOWER LOW WATER 6 48 45	
			52	16	240 FT LEFT 7	

Profile Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 139
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-14-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 140 | Job No. 0300.02 Division No. 11 Notes Red ______ Plotted ______ Profile

Survey of HYD. SUR. ______ Date ______ Date ______ No. ______

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

Indexed ______ Date ______ Date ______ Date ______ No. ______

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

DATUM
MEAN LOWER LOW WATER

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 2-63

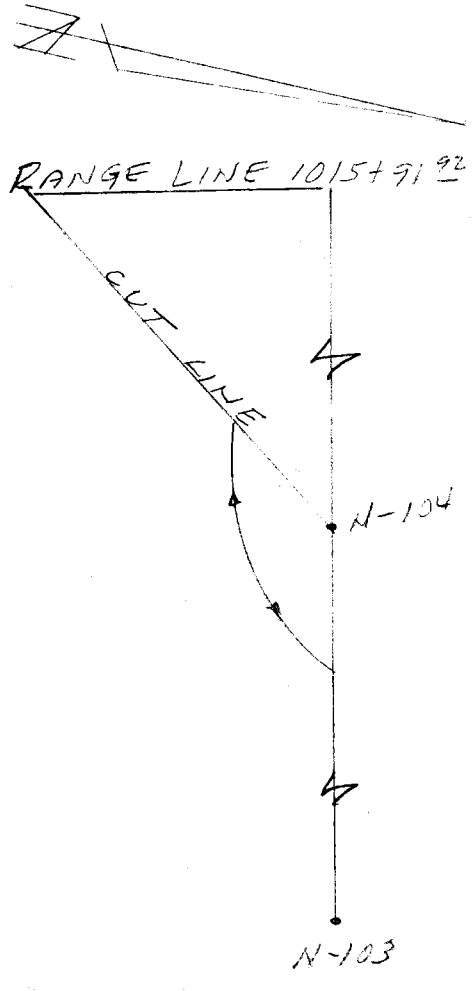
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1015+91.92 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
N-104	N-103	8:37	1	112°	52'				
			2	116°	07'				
			3	120°	49'				
			4	124°	54'				
			5	129°	03'				
			6	132°	49'				
			7	135°	26'				
			8	137°	33'				
			9	139°	17'				
			10	140°	08'				
			11	141°	17'				
			12	142°	25'				
		8:40	13	142°	35'				



Profile Notes Red. Plotted Job No. Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3793 Pg. 141
X-Sec. Notes Chkd. Checked Survey by Notes Date 4-14-62
No. Date Map No. Indexed C. J. GALLI Date

F. B. 3793 PG. 142 Job No. 0300102 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

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 2-63

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.	1018+26.9	STA IS 15' BACK OF RECORD STA
	144	1007		863	T.P. FROM PREVIOUS PG LEFT	
			750	257	255 SET 1X2 FLUSH	
			72	29	190 GR. CH. MALIBU CREEK	
			49	52	106 TOP BANK	
			66	35	107 BOT " F.L.	
			68	33	10 BOT " "	
			082	925	℄	SET 1X2 FLUSH
			15	86		72 GR. CH.
			06	95		75 FENCE LINE
					1018+36.9	
			68	33	℄	BOT BANK F.L.
T.P.			352	655	ROCK	
					CUT GUN AT 1013+41.92	SIGHT ON
	392	649		257	1X2 255 FT. LEFT	
			19	46	140 FT LEFT M.H.W.	
			56	09	#1 32° 51'	
			72	-07	2 36 46	
			98	-33	3 42 45	
			121	-56	4 45 48	
			140	-75	#5 50° 20'	
			157	-92	6 51° 52'	

NOTE!

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red ___ Date ___ Plotted ___ Date ___ Job No. 030002 Division No. 11 Survey of MALIBU HYDRO Survey by WILSON Notes ADAMS Date 4-14-67 Map No. ___ Indexed C. J. GALLI Date ___

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

F.B. 3793 Pg. 143

F. B. 3793 Pg. 144 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYD. SUR. Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

79-L-298 CE 307 2-63

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

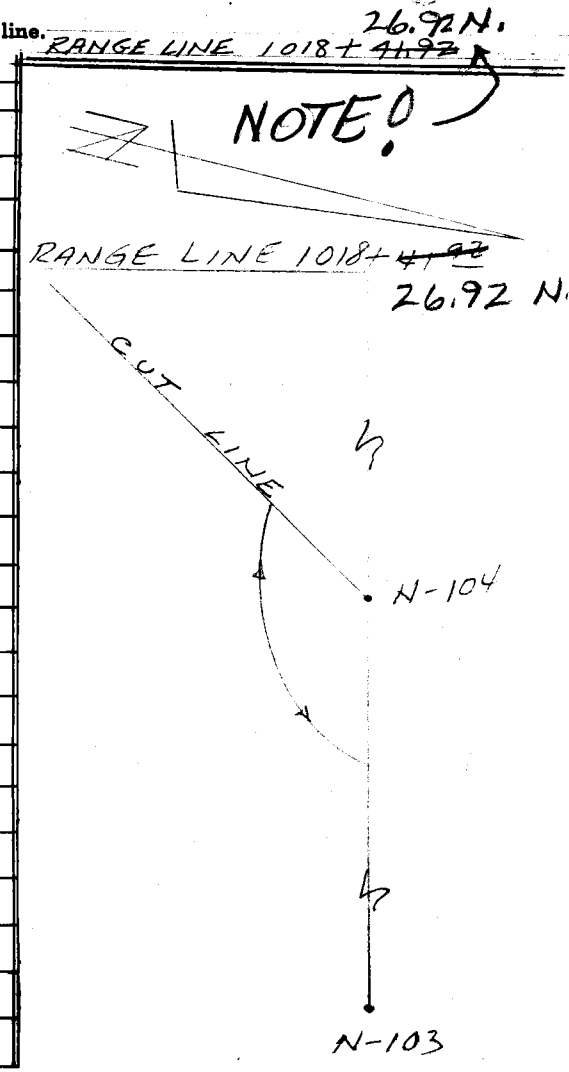
76S420A - CE 353A - Cdb 9-62

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					
N-104	N-103	8:50	1	114°	20'			
			2	117°	42'			
			3	120°	46'			
			4	123°	49'			
			5	127°	19'			
			6	130°	40'			
	DELAY	8:53	7	134°	12'			
		9:03	8	134°	59'			
			9	136°	39'			
		9:04	10	137°	53'			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 145
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-14-67
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3793 Pg. 146 | 0300102

Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					

76-L-298 CE 307 2-63

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.	1020+91.92 N	
	519	1174		655	T.P. FROM PREVIOUS PG LEFT	
			884	290	143 SET 1X2 UP 0.1	
			482	692	75 GR. CH.	
			510	664		℄ SET 1X2 FLUSH RIGHT
			58	59		23 TOP BANK
			78	39		29 BOT " F.L.
T.P.			388	786	ROCK	
					CUT GUN AT 1013+41.92, SIGHT ON 1020+91.92	
	407	697		290	1X2 143 FT LEFT	
			146	-76	#1 36° 36'	
			125	-55	2 31 50	
			93	-33	3 26 29	
			76	-06	4 20 23	
			70	00	5 15 18	
			63	07	6 13 00	
			24	46	119 FT LEFT M.H.W.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 147
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-14-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 148 | 030002

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM:
MEAN LOWER LOW WATER

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 2-63

765420A - CE 353A - Cdb 9-62

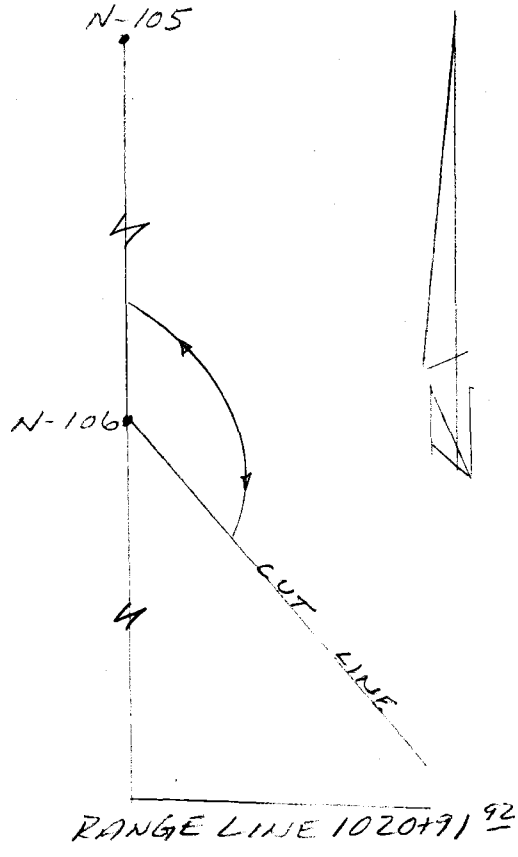
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

RANGE LINE 1020+91.92 N.

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-106	N-105	9:35	1	85°	19'			
			2	86°	57'			
			3	89°	26'			
			4	91°	58'			
			5	94°	57'			
			6	97°	44'			
			7	101°	15'			
			8	104°	14'			
			9	108°	28'			
			10	111°	36'			
			11	114°	42'			
			12	118°	14'			
			13	120°	45'			
			14	123°	53'			
		9:38	15	126°	24'			



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 F.B. 379 3 Pg. 149
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of HYDROGRAPHIC SURVEY Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 150 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

Survey by RICHARDS Notes J.G. | 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

76-L-298 CE 307 2-63

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. 030002 Division No. 11 F. B. 3793 PG. 151

No.____ Date____ Date____ Survey of MALIBU HYDRO

X-Sec. Notes Chkd.____ Checked____ Survey by W. LESAK Notes ADAMS Date 4-14-62

No.____ Date____ Date____ Map No.____ Indexed G.J. GALLI Date____

STATION	B. S.	H. I.	F. S.	ELEV.	1023+41.92N	
	461	1247		786	T.P. FROM PREVIOUS PG	
			915	332	116 FT LEFT SET 1X2 FLUSH	
			50	75	GR. CH.	
			439	808	℄ SET 1X2 FLUSH	
					CUT GUN AT 1013+41.92 SIGHT ON 1023+41.92	
	285	617		332	1X2 116FT LEFT	
			16	46	87 FT LEFT M.H.W.	
			51	11	1 10° 08'	SMALL ROCKS ROCKY FROM 116FT LEFT TO 1½ FT. DIA. "
			72	-10	2 13 50	
			80	-18	3 16 35	END ROCKS
			105	-43	4 19 12	
			130	-68	5 23 09	
			148	-86	6 26 39	

DATUM
MEAN LOWER LOW WATER

F. B. 3793 Pg. 152 | 0300,02

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

Survey of HYD. BUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM
MEAN LOWER LOW WATER

Do not extend notes this side of this line.

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

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

78-L-298 CE 307 2-63

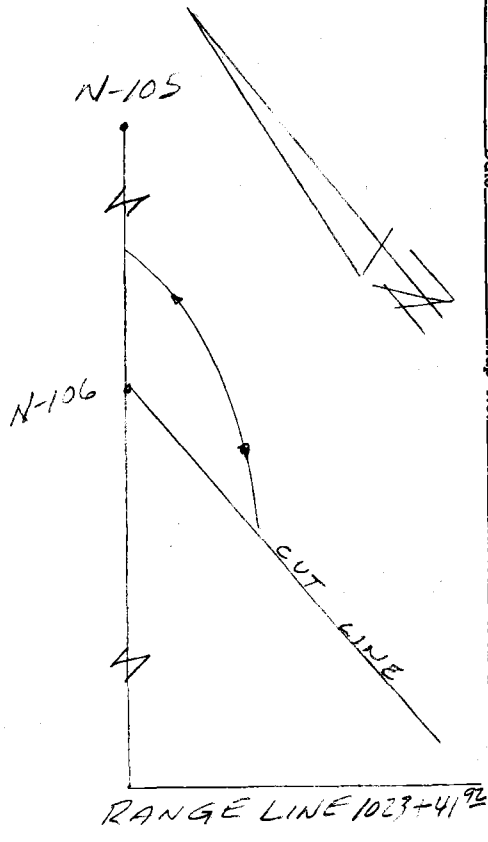
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1023+41.92 N.

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					
N-106	N-105	9:52	1	93°	46'			
			2	95°	59'			
			3	99°	15'			
			4	102°	53'			
			5	107°	32'			
			6	111°	44'			
			7	116°	01'			
			8	120°	19'			
			9	125°	05'			
			10	13[illegible]°	31'			
		9:55	11	134°	14'			



Profile Notes Red. Plotted Job No. 03003.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F.B. 3723 Pg. 53
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-14-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 PG. 154 | 0300.02 Job No. ______ Division No. 11 Notes Red. ______ Plotted ______ Profile No. ______

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ X-Sec.

Survey by RICHARDS Notes J. G. Notes Chkd. ______ Checked ______

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.

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 2-63

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. 030092 Division No. 11 F.B. 3793 Pg. 155
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by WILSON Notes ABAM Date 4-14-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	1023+50 45 N N-107
		12 47			H.I. FROM PREVIOUS PG
			9 59	288	106 LEFT SET 1X2 FLUSH
			50	75	30 GR. CH.
			4 00	847	℄ SET 1X2 UP OF RIGHT
			69	56	92 TOP BANK
			82	43	1.05 BOT " F.L.
					CUT GUN AT 1026+09 SIGHT ON N-107
	3 28	6 16		288	1X2 106 FT LEFT
			1 6	46	80 FT LEFT MEAN H.W.
			16 0	-98	#1 46° 40'
			13 7	-75	2 43 11
			10 1	-39	3 38 45
			8 1	-19	4 35 30
			6 0	02	5 30 23
			6 4	-02	6 24 51
			6 0	02	7 22 16
			3 3	29	106 FT LEFT

DATUM
MEAN LOWER LOW WATER

F.B. 3793 Pg. 156 | 0300.02

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-43

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

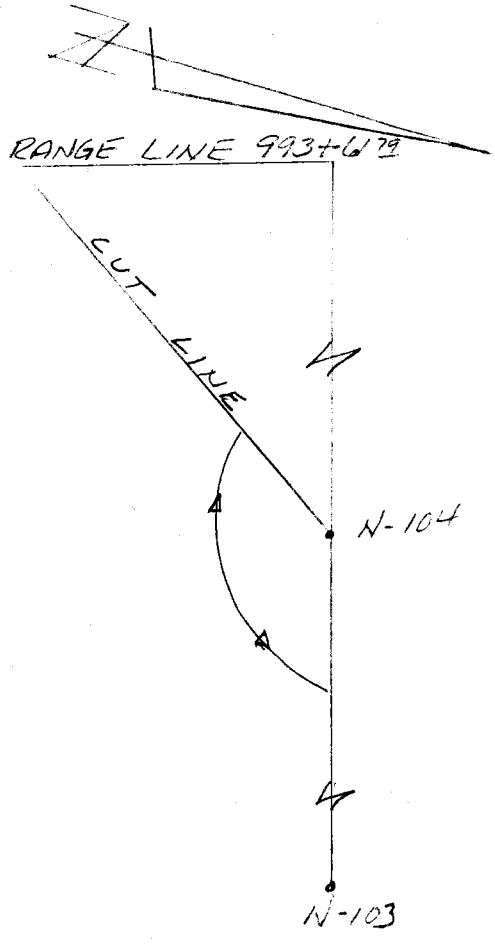
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 993+61.79 N.

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					
N-104	N-103	9:30	1	108°	20'			
			2	108°	56'			
			3	109°	41'			
			4	110°	27'			
			5	111°	30'			
			6	112°	56'			
			7	114°	26'			
			8	115°	41'			
			9	117°	10'			
			10	118°	51'			
			11	120°	25'			
			12	122°	29'			
			13	125°	03'			
			14	128°	41'			
			15	132°	16'			
			16	136°	56'			
			17	142°	35'			
			18	146°	52'			
			19	151°	15'			
			20	155°	09'			



Profile Notes Red. Plotted
No. Date Date
X-Sec. Notes Chkd. Checked
No. Date Date
Job No. 0300.02 Division No. 11
Survey of HYDROGRAPHIC SURVEY
Survey by [illegible] Notes [illegible] Date 4-13-62
Map No. Indexed C.T.GALLI Date
F. B. 3793 PG. 105

F. B. 3793 Pg. 106 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	For Office Use Only Line Min.	For Office Use Only Card No.
		9:35	21	158	16			

76-L-298 CE 307 2-63

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.	1023+59° N	
		12.47			H.I. FROM PREVIOUS PG LEFT	
			9.48	299.104	SET 1X2 UP 0.1	
			7.9	46.82	M.H.W SAND	
			5.2	73.43	GR. CH.	
N-108 T.P.			3.82	865.	N-108 ℄	℄ SET 1X2 UP 0.5
			6.10	637.	FD C.E. MON DN 12°	
					CUT GUN AT 1026+09° SIGHT ON N-107	
	3.17	6.16		299.	1X2 104FT LEFT	
			5.0	12.	122 FT	
			5.2	10.	#1 28° 45'	SMALL ROCKS VISIBLE AT LOW TIDE
			6.2	00.	2 38 38	
			8.5	-23.	3 48 18	
			10.1	-39.	4 51 57	
			12.2	-60.	5 56 37	
			13.7	-75.	6 60 34	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-14-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3793 PG. 159

F. B. 3793 Pg. 160 Job No. 0300.07 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM MEAN LOWER LOW WATER

78-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
409 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

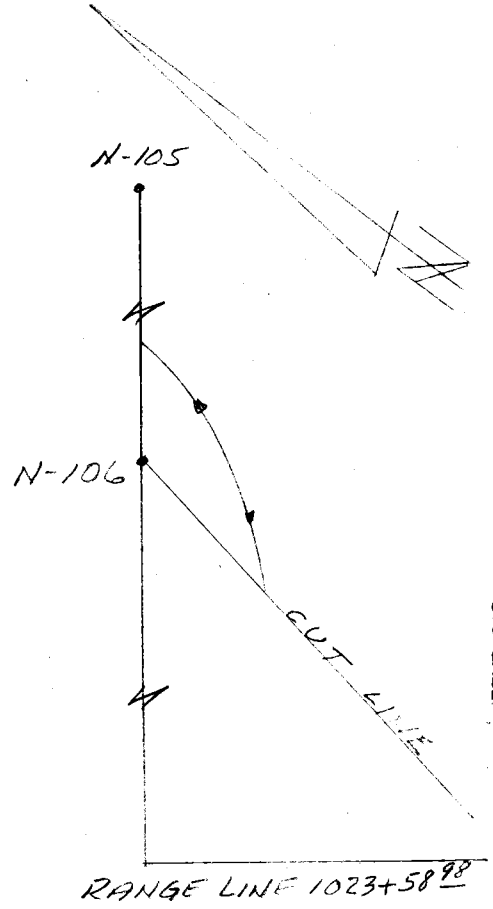
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1023+58.98

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
N-106	N-105	10:12	1	121°	30'				
			2	122°	12'				
			3	123°	16'				
			4	124°	20'				
			5	125°	44'				
			6	127°	30'				
			7	129°	14'				
			8	130°	24'				
			9	131°	49'				
			10	133°	12'				
			11	134°	15'				
			12	135°	53'				
			13	137°	05'				
		10:17	14	138°	59'				



Profile Notes Red. Plotted Job No. 8300.02 Division No. 11 F. B. 3793 Pg. 161
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by R. GARD Notes T.G. Date 4-14-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 PG. 162 Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J.G. 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.

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 2-63

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.	1026+08 98 N	
N-108	729	13.66		637	C.E. MON FROM PREVIOUS PG LEFT	
			1108	258	164 SET 1X2 FLUSH	
			91	46	136 M.H.W. SAND	
			44	93	65 GR. CH.	
			383	983		℄ SET 1X2
			60	77		℄ SAND RIGHT MALIBU
			75	62		101 TOP BANK CRK
			94	43		91 BOT " F.L.
T.P.			619	747	[illegible]	
					CUT GUN ON N-107	SIGHT ON 1026+09
	535	793		258	1X2 164 FT LEFT	
			172	-93	#1 64° 25'	
			148	-69	2 61 42	
			121	-42	3 58 11	
			114	-35	4 55 45	
			100	-21	5 51 02	
			90	-11	6 44 52	
			88	-09	7 42 09	
			72	07	8 36 51	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 163
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-14-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLY Date ____

F. B. 3793 Pg. 164 | 0300.02

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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

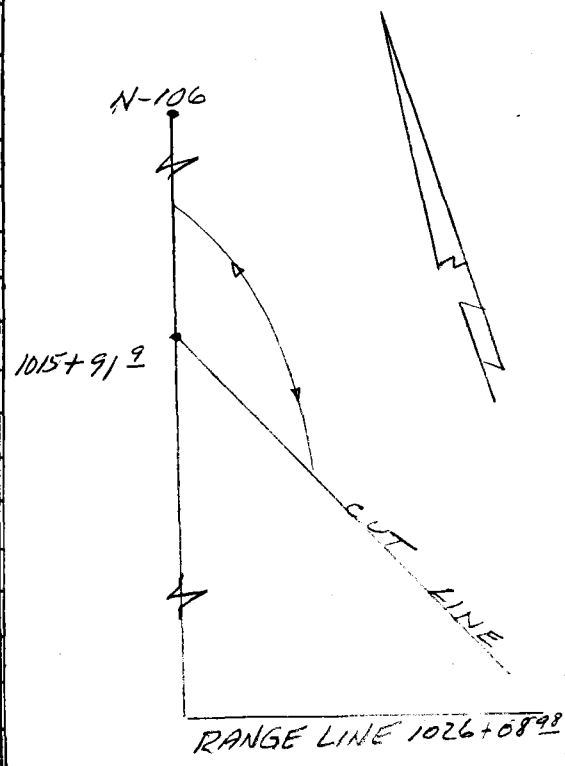
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1026+08.98 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
1015+91.9	N-106	10:37	1	154°	07'			
			2	155°	14'			
			3	156°	38'			
			4	158°	09'			
			5	159°	52'			
			6	161°	49'			
			7	163°	52'			
			8	165°	52'			
			9	167°	42'			
			10	169°	02'			
			11	170°	47'			
			12	171°	54'			
			13	172°	42'			
			14	173°	49'			
		10:41	15	175°	15'			



Profile Notes Red. Plotted Job No. 03002 Division No. 11
No. Date. Date. Survey of HYDROGRAPHIC SURVEY F. B. 3793 Pg. 165
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-14-67
No. Date. Date. Map No. Indexed C.J.C. Date

F. B. 3793 Pg. 166 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Line Min.	Card No.

76-L-298 CE 307 2-63

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.	1028+58 98N	
	560	1307		747	T.P. FROM PREVIOUS PG	
			950	357	186 LEFT SET 1X2 FLUSH	
			85	46	169 M.H.W. SAND	
			43	88	98 GR. CH.	
			548	759		℄ SET 1X2 FLUSH MALIBU
			65	66		51 TOP BANK CRK
			87	44		132 EDGE WATER
T.P.			429	878	ROCK	
					CUT GUN AT N-107 SIGHT ON 1028+59	
	356	713		357	1X2 186 FT LEFT	
		416	51	20	200 FT LEFT SMALL ROCKS AT LOW TIDE	
			61	10	#1 24° 46'	
			98	-27	2 31 47	
			114	-43	3 37 53	BEGIN KELP
			145	-74	4 42 32	END KELP
			161	-90	5 45 46	
			158	-87	6 46 18	MAYBE ON ROCK
			178	-107	7 48 35	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 167
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-14-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3793 Pg. 168 | 0300.02

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM
MEAN LOWER LOW WATER

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 507 2-63

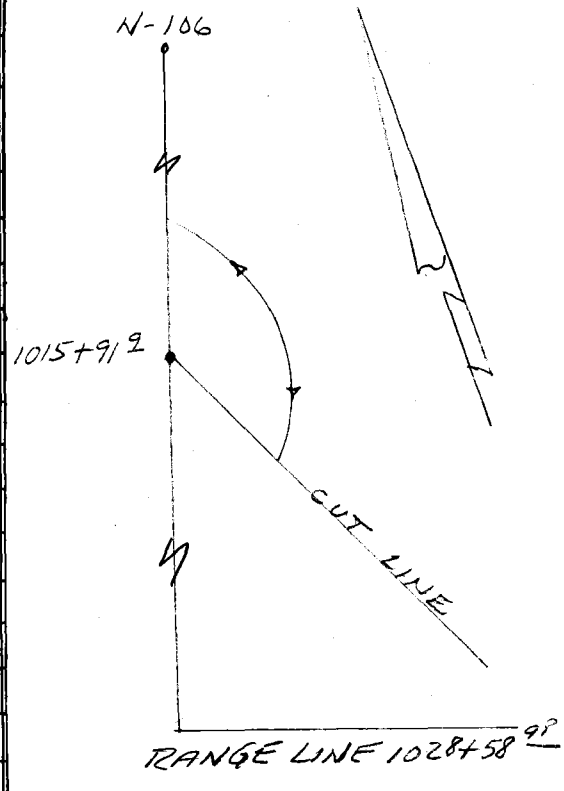
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1028+58.98 N.

INST. AT	SIGHT ON	TIME	ANGLE NO	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD NO
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1015+91.9	N-106	10:48	1	161°	35'			
			2	163°	06'			
			3	164°	51'			
			4	166°	14'			
			5	167°	57'			
			6	170°	25'			
			7	173°	14'			
			8	175°	27'			
			9	177°	20'			
		10:51	10	178°	43'			



Profile
No. X-Sec. No.
Notes Rod. Date. Notes Chkd. Date.
Plotted. Date. Checked. Date.
Job No. 9300.02 Division No. 11
Survey of HYDROGRAPHIC SURVEY
Survey by RICHARDS Notes J.G. Date 4-14-67
Map No. Indexed C.J.C. Date.
F.B. 3793 Pg. 169

F. B. 3793 PG. 170 | Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J.G. 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 № (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card №

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 2-63

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.	1031+08.98 N	
T.P.	475	1353		878	T.P. FROM PREVIOUS PG. LEFT	
			1066	287	171 SET 1X2 UP 0.1	
			89	46	150 M.H.W. SAND	
			33	102	99 GR. CH.	
			28	107	57 " "	
			386	967		℄ SET 1X2
			53	82		℄ SAND
T.P.			329	1024	Rock	
					CUT GUN ON N-107	SIGHT ON 1031+08.98
	370	657		287	1X2 171 FT LEFT	
			160	-94	#1 34° 18'	
			124	-58	2 31 20	
			120	-54	3 29 32	
			115	-49	4 26 02	
			97	-31	5 21 53	
			68	-02	6 18 13	
			60	06	7 15 42	
			50	16	8 13 48 = 187 FT LEFT	
			45	21	DATUM 175 FT LEFT	

MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 030002 Division No. 11 Survey of MALIBU HYDRO Survey by WILSON Notes ADHMS Date 4-14-67 C. J. GALLI Map No. ____ Indexed ____ Date ____

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

F.B. 3793 Pg. 171

F. B. 3793 Pg. 172 | 0300.02

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

Survey of HYD. SURV Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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

76S420A - CE 353A - Cdb 9-62

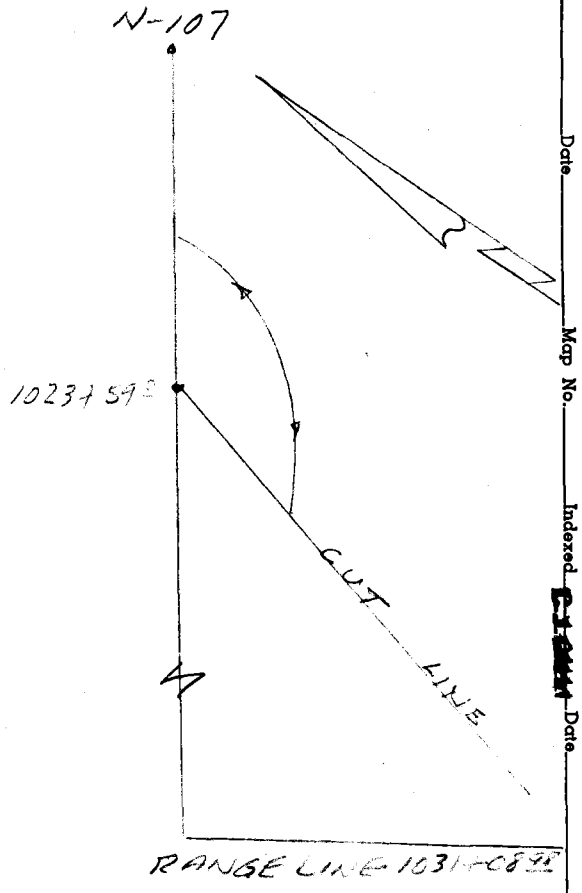
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
1023+59º	N-107	11:27	1	115°	42'			
			2	117°	57'			
			3	119°	59'			
			4	122°	23'			
			5	125°	32'			
			6	129°	00'			
			7	132°	38'			
			8	135°	37'			
			9	138°	23'			
			10	142°	09'			
		11:30	11	144°	52'			

RANGE LINE 1031+08.98 N.



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 173
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-14-67
No. Date Date Map No. Indexed [redacted] Date

F. B. 3793 Pg. 174 | 0300.02 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

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 2-63

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.	1033 + 58 98	
TP	464	1488		1024	T.P. FROM PREVIOUS PG LEFT	
			1241	247	127 SET 1X2 FLUSH	
			103	46	98 M.H.W.	
			73	76	66 BOT BANK	
			52	97	65 TOP "	
			200	1288		℄ SET 1X2
			37	112		℄ SAND
T.B.M #12			388	1100	FD 2" I.P. CONC & C.E. TAG 70' S.E.Y. OF HSE # 23318 ELEV = 1099 MLLW	
					CUT GUN AT N-107 SIGHT ON N-109	
	484	731		247	1X2 127 FT LEFT	
			57	16	135 FT LEFT	
			78	-05	#1 9° 40'	
			98	-25	2 14 41	
			104	-31	3 18 20	
			150	-77	4 23 30	ROCK 40 FT. E. THIS SHOT
			150	-77	5 25 23	
			160	-87	6 27 50	

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red ___ Date ___ Plotted ___ Date ___ Job No. 030002 Division No. 11 Survey of MALIBU HYDRO Survey by WILSON Notes ADAMS Date 4-14-67 Map No. ___ Indexed C. J. GALLI Date ___

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

F.B. 3793 Pg. 175

F. B. 3793 Pg. 176 | 030002 Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYD. SUR. Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

76-L-256 CE 307 2-63

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

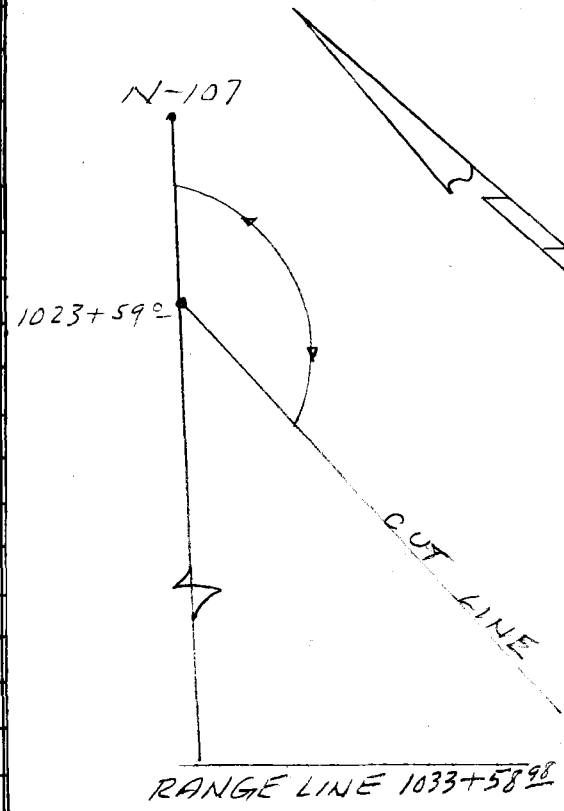
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1033+58.98 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
1023+59 ±	N-107	11:36	1	122°	30'				
			2	124°	22'				
			3	126°	18'				
			4	129°	06'				
			5	132°	13'				
			6	135°	55'				
			7	140°	27'				
			8	143°	58'				
			9	146°	38'				
			10	149°	43'				
			11	152°	47'				
			12	153°	37'				
		11:40	13	156°	11'				



Profile Notes Red. Plotted Job No. 03200.02 Division No. 11 F.B. 793 Pg. 77
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-14-67
No. Date Date Map No. Indexed C.L. GAIL Date

F. B. 3793 Pg. 178 | 0300-02 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

07 2-63

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 23002 Division No. 11 | 3993 | Pg. 179
No. X-Sec. Date____ Date____ Survey of MALIBU HYDRO
No.____ Notes Chkd.____ Checked____ Survey by W.L. GLEN Notes C. DAVIS Date 4-MAY-67
Date____ Date____ Map No.____ Indexed C.J. GALLI Date____

STATION	B. S.	H. I.	F. S.	ELEV.	N-109 1035+29 32	
T.B.M.#12	315	1414		1099	FROM PREVIOUS P/C	
			11.28	286.80	SET 1X2 UP 0.1 LEFT	
			9.5	46.45	M.H.W. SAND	
			60	81.10	BOT BANK	
			40	101.5	TOP "	
			337	1077.		℄ FD 2X2 ECE TAG RIGHT
			33	108.		25 BOT BANK
			02	139.		42 TOP SEAWALL
			31	110.		43 BOT " " ℄
	353	639		286.	1X2 80 FT LEFT CUT GUN AT 1031+48.98, SIGHT N-109	
		EST.	21.0	-146.1	43° 53'	
			160	-96.2	39 18	EST. ROCK 20 FT INLAND
			155	-91.3	37 06	" 20 FT OUTWARD,
			145	-81.4	33 50	THIS ROCK RIDGE
			84	-20.5	27 14	EXTENDS W'LY 40 FT
			70	-06.6	23 07	PAST STA.
			55	09.7	22 14	
			60	04.8	19 32	
			57	07.9	16 32	
			47	17.	DATUM MEAN LOWER LOW WATER 140 FT. LEFT	

F. B. 3793 Pg. 180 | 030002

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM
MEAN LOWER LOW WATER

Do not extend notes this side of this line.

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

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

78-L-298 CE 307 2-63

78-L-

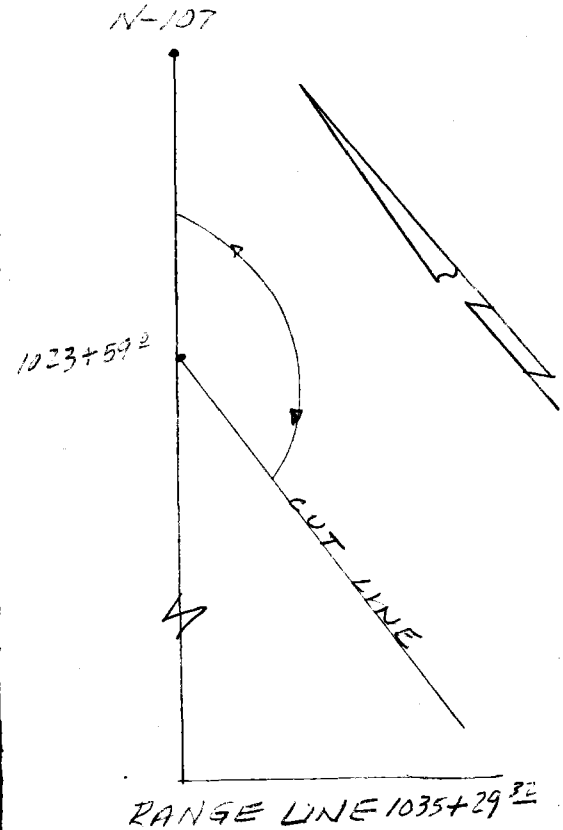
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1035+29.32 N.

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					
1023+59.2	N-107	11:48	1	131°	16'			
			2	132°	49'			
			3	135°	06'			
			4	137°	13'			
			5	139°	14'			
			6	141°	59'			
			7	144°	46'			
			8	147°	34'			
			9	150°	03'			
			10	152°	21'			
			11	154°	27'			
			12	156°	19'			
			13	158°	06'			
			14	160°	03'			
		11:51	15	160°	29'			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 181
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-14-67
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3793 PG. 182 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					

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 2-63

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.	1036+00 N	
		14 14			H.I. FROM PREVIOUS PG	
			1145	269	101 LEFT SET 1X2 FLUSH	
			95	46	76 M.H.W.	
			59	82	30 BOT BANK	
			52	89	29 TOP "	
			249	1165		℄ SET 1X2
			37	104		℄ SAND
			34	107		RIGHT 5 BOT BANK
			+06	147		25 TOP SEAWALL
			08	133		27 BOT "
T.P.			485	929	Rock	
					CUT GUN AT 1038+58.63 SIGHT N-109	
	312	581		269	1X2 101 FT LEFT	
			36	22	122 FT LEFT	
			48	10	#1 29° 55'	
			69	-11	2 36 56	
			100	-42	3 41 51	
			100	-42	4 45 01	
			108	-50	5 47 34	ESTIM. ROCK ROW TO BE 30 FT TO SEAWARD

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 183
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-14-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3793 Pg. 184 | 03002

Job No. Division No. 11 Notes Red Plotted Profile

Survey of HYD. SUR. Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

75-L-298 CE 307 2-63

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

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

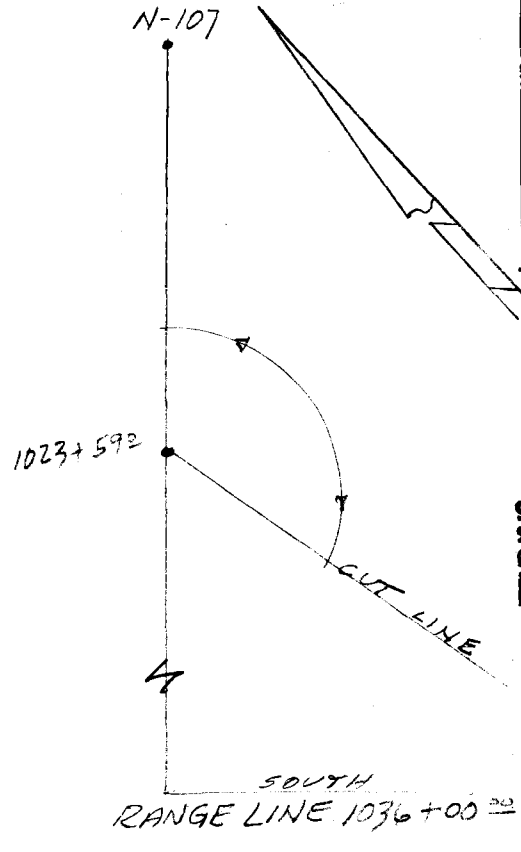
LOS ANGELES COUNTY SURVEYOR

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. — RANGE LINE 1036+00.00 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
1023+59	N-107	11:58	1	144°	35'				
			2	145°	42'				
			3	147°	04'				
			4	148°	23'				
			5	149°	54'				
			6	151°	34'				
			7	153°	49'				
			8	156°	02'				
			9	158°	42'				
			10	160°	27'				
			11	162°	05'				
			12	163°	52'				
		12:01	13	164°	47'				



Profile Notes Rod. Plotted Job No. 8300.02 Division No. 11 F.B. 3793 Pg. 185

No. Date. Date. Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked. Survey by RICHARDS Notes J.G. Date 4-14-67

No. Date. Date. Map No. Indexed G.I. CALL Date. Date.

F. B. 3793 Pg. 186 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	For Office Use Only Line Min.	For Office Use Only Card No.

76-L-298 CE 307 2-63

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.	1038+58 63	
T.P	559	1488		929	T.P. FROM PREVIOUS PG LEFT	
			1046	442	107 SET 1X2 FLUSH	
			103	46	103 M.H.W. SAND	
			52	97	49 GR. CH.	
			36	113	36 " "	
			32	117	18 " "	
			101	1387		℄ SET 1X2 FLUSH RIGHT
			04	145		17 BOT SEAWALL
			+03	152		18 TOP " "
			30	119		19 BOT " "
T.P.			001	1487	SET NAIL IN PILING	
					CUT GUN 1036+00	SIGHT 1038+58 63
	220	662		442	1X2 10 FT LEFT	
			175	-109	#1 78° 02'	
			173	-107	2 74 55	
			145	-79	3 71 13	
			120	-54	4 64 24	
			98	-32	5 59 63	
			88	-22	6 54 04	
			68	-02	7 45° 43'	
			55		8 40° 24'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 187
Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-14-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3793 Pg. 188 0300.02

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

Survey of HYD. SUR. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM
MEAN LOWER LOW WATER

76-L-296 CE 307 2-63

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

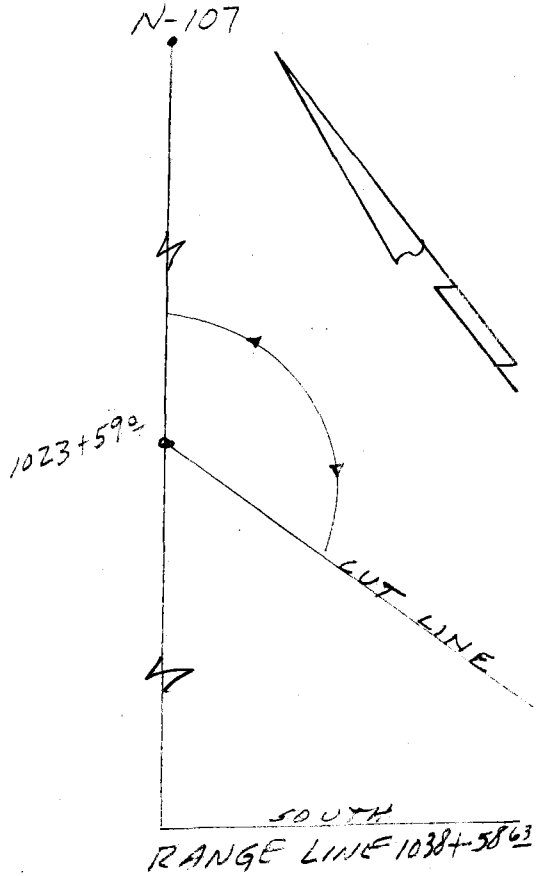
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1038+58.63 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	LINE CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
[illegible]	N-107	12:07	1	149°	27'			
			2	150°	41'			
			3	152°	10'			
			4	153°	43'			
			5	155°	24'			
			6	157°	33'			
			7	160°	11'			
			8	162°	34'			
			9	164°	46'			
			10	166°	20'			
			11	168°	31'			
			12	169°	30'			
			13	170°	27'			
		12:10	14	170°	29'			
			15					
			16					
			17					
			18					



Profile Notes Red. Plotted
No. Date Job No. 0300.02 Division No. 11
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.T. Date 4-14-61
No. Date Map No. Indexed Date
Survey of HYDROGRAPHIC SURVEY
F.B. 3793 PG. 18?

F. B. 3793 PG. 190 | Job No. 0300.02 Division No. II Notes Red. Plotted Profile

Survey of HYDROGRADHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

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.

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY
Map No.	JN 05 2002 Tape Std °F
Office Work	Surveyed by RICHARDS
Checked	Notes HARRIET Date 4-17-67
Date	Indexed C. J. GALLI

F. B. 3793 PG. 191

TIDE GAGE READINGS
APRIL 17, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	1.7
6:30	1.4
7:00	1.0
7:30	0.8
8:00	0.4
8:30	0.3
9:00	0.1
9:30	0.0
10:00	-0.1
10:30	0.0
11:00	0.2
11:30	0.3
12:00	0.5
12:30	0.8
13:00	1.1
13:30	1.4
14:00	1.7

NOTE - TIDE GAGE STATION 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.

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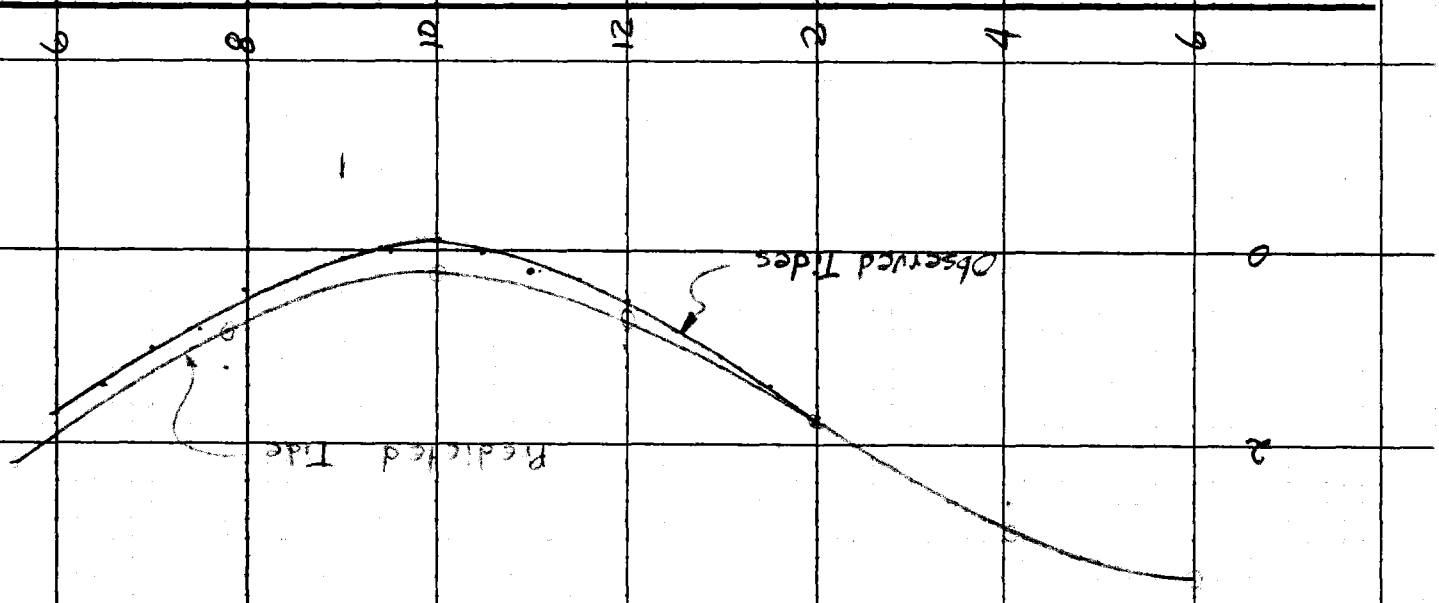
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 1-65

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 this side of this line.



APRIL 17, 1967

F. B3793 PG. 122

76-L-298 CE 307 2-63

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.	1041+17.3 N	
	1.36	16.23		1487	· NAIL IN PILING PREVIOUS AG	
			12.22	401	·130 SET 1X2 UP 0.1 LEFT	
			11.6	46	·120 M.H.W. SAND	
			5.9	10.3	·66 GR. CH.	
			4.5	11.7	·27 " "	
			1.8	14.4	·13 " "	
			1.40	1483	·	℄ SET 1X2 PLUS 11 RIGHT
			1.8	14.4	·	27 BOT BRICK WALL
			0.3	15.9	·	28 TOP " "
T.P.			4.96	1127	· 1X2.	
					CUT GUN AT 1038+58.6	W. SIGHT ON 1041+17.3
	2.90	6.91		401	· 1X2 130 FT LEFT	
			4.5	2.4	· 150 FT LEFT	
			6.4	0.5	· #1 41° 31'	
			8.8	-1.9	· 2 50 06	
			9.9	-3.0	· 3 53 24	
			11.0	-4.1	· 4 58 40	
			13.3	-6.4	· 5 65 13	
			14.3	-7.4	· 6 67 26	
			16.0	-9.1	· 7 68 56	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red Plotted Job No. 035982 Division No. 4
No. X-Sec. Date Date Survey of MALIBU HARBOR
No. Notes Chkd. Checked Survey by WILSON Notes ADAMS Date 4-17-67
Date Date Map No. Indexed C.J. GALL Date
F.B. 3793 Pg. 193

F. B. 3793 Pg. 194 Job No. 0300.02 Division No. Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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403 Los Angeles County Engineering Bldg.

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

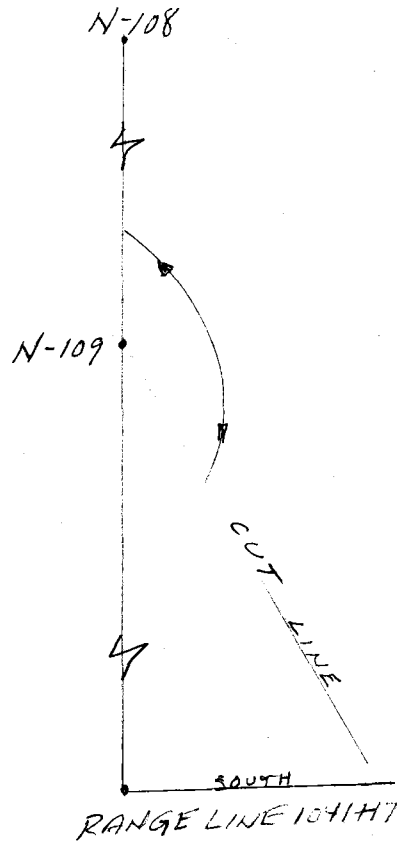
765420A • CE 353A • Cdb 9-62

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line. RANGE LINE 1041+17.26

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					
N-109	N-108	8:15	1	133°	33'			
			2	134°	36'			
			3	135°	51'			
			4	137°	15'			
			5	138°	42'			
			6	140°	35'			
			7	142°	30'			
			8	145°	10'			
			9	148°	59'			
			10	152°	58'			
			11	156°	50'			
			12	160°	39'			
			13	165°	08'			
			14	167°	51'			
			15	171°	26'			
		8:20	16	177°	26'			



Profile Notes Red. Plotted Job No. 8300.02 Division No. 11 F. B. 3723 Pg. 95
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Ckd. Checked Survey by RICHARDS Notes J.G. Date 4-17-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 Pg. 196 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J. G. 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

76-L-298 CE 307 2-63

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.	1043+75 ℄ N	
	2.43	13.70		11.27	T.P. FROM PREVIOUS DG LEFT	
			3.78	392	126 SET 1X2 UP 0.1	
			9.1	46	120 M.H.W. SAND	
			4.5	9.2	57 GR. CH.	
			2.7	11.0	45 " "	
			2.4	11.3	22 " "	
			+1.2	14.9	10 " "	
			+1.3	150	℄ SAND RIGHT	
			+2.1	158	20 BOT 8' BOARD FENCE	
T.P.			2.73	1097	Cock	
					CUT GUN AT 1038+58 ℄ SIGHT ON 1043+75 ℄	
	2.76	6.68		3.92	1X2 126 FT. LEFT	
			44	23.	150 FT LEFT	
			65	02.	#1 21° 35'	
			92	-25.	2 28 33	
			135	-68.	3 40 52	
			145	-78.	4 43 50	
			150	-83.	5 44 27	
			155	-88.	6 45 25	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU HYD RD
X-Sec. Notes Chkd. ____ Checked ____ Survey by W.L. SON Notes ADAMS Date 4-17-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GATT Date ____

F.B. 3793 Pg. 197

F. B. 3793 Pg. 198 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

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 2-63

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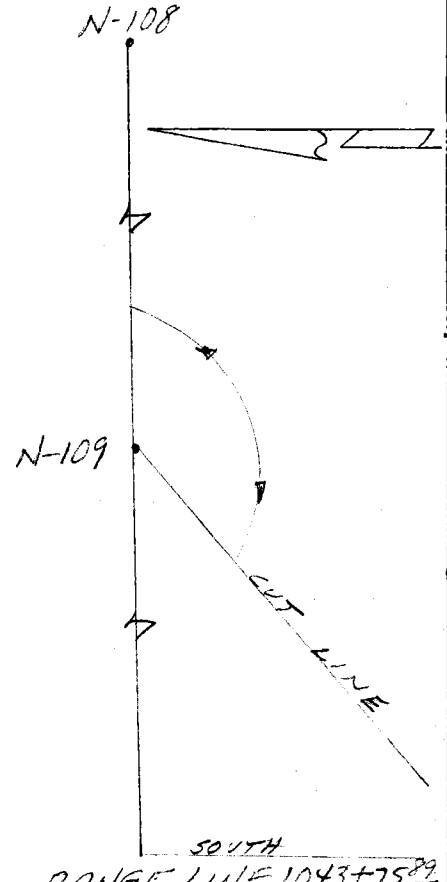
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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. RANGE LINE 1043+75.89

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-109	N-108	8:28	1	143°	20'			
			2	145°	20'			
			3	148°	10'			
			4	150°	50'			
			5	153°	41'			
			6	156°	59'			
			7	160°	17'			
			8	165°	44'			
			9	171°	26'			
			10	173°	58'			
			11	178°	11'			
			12	182°	23'			
			13	186°	58'			
			14	190°	34'			
		8:32	15	192°	27'			



Profile Notes Red. Plotted Job No. 2700-02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3793 Pg. 199
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes T.G. Date 4-17-67
No. Date Date Map No. Indexed C.J. GALT Date

F. B. 3793 PG. 200 Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J. G. Notes Chkd. ______ Checked ______ X-Sec.

Indexed ______ Date ______ Date ______ Date ______ No. ______

INST. AT (DON'T PUNCH)	SIGHT ON (DON'T PUNCH)	TIME (DON'T PUNCH)	ANGLE Nº (DON'T PUNCH)	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY: RANGE LINE DEG.	FOR OFFICE USE ONLY: RANGE LINE MIN.	FOR OFFICE USE ONLY: CARD Nº

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 2-63

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.	1046+34.52N	
T.P.	317	14.14		10.97	T.P. FROM PREVIOUS PG	
			10.09	4.05	.105 SET 1X2 UP 0.1 LEFT	
			9.5	4.6	.93 M.H.W. SAND	
			2.5	11.6	.10 BOT BANK	
			0.5	13.6	.3 TOP "	
			0.20	13.94	℄	SET 1X2 FLUSH RIGHT
			+2.5	16.6		21 BOT WOOD SEAWALL
			+4.1	18.2		22 TOP " "
			+0.8	14.9		23 BOT " "
T.P.			4.43	9.71	ROCK	
					CUT GUN AT 1043+75.89 SIGHT ON 1046+34.52	
	2.52	6.57		4.05	1X2 105 FT LEFT	
			5.4	1.2	150 FT LEFT	
			7.2	-0.6	#1 40° 20'	
			8.8	-2.2	2 49 35	
			13.7	-7.1	3 60 48	
			15.0	-8.4	4 67 42	
			15.0	-8.4	5 70 07	
			17.7	-11.1	6 74 20	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted Job No 230002 Division No. 11
No. X-Sec. Date Date Survey of MALIBU HYDRO
No. Notes Chkd. Checked Survey by WILSON Notes ADAMS Date 4-17-62
Date Date Map No. Indexed J. GANT Date

F.B. 3793 Pg. 201

F. B. 3793 Pg. 202 | Job No. 0300.02 Division No. Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

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-296 CE 307 2-63

76S420A • CE 353A • Cdb 9-62

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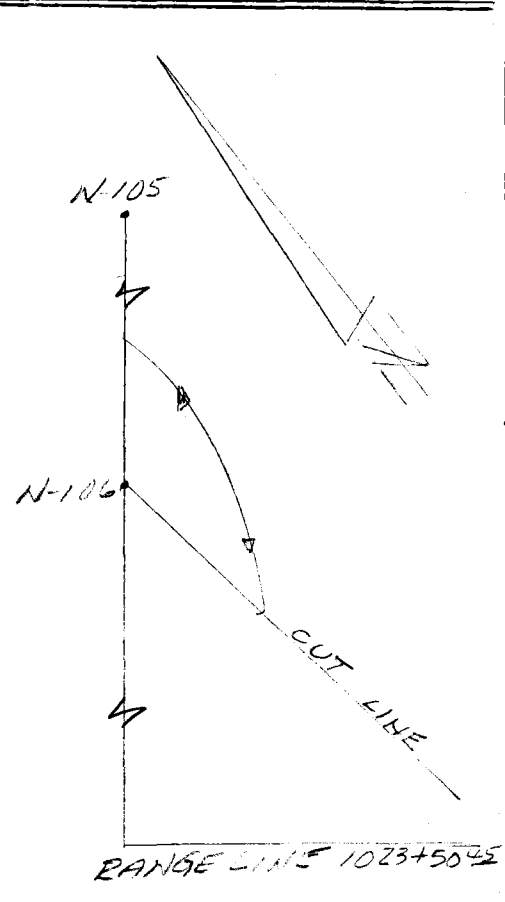
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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. RANGE LINE 1023+50.45

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
N-106	N-105	10:06	1	107°	19'				
			2	108°	42'				
			3	110°	15'				
			4	112°	38'				
			5	115°	52'				
			6	118°	16'				
			7	121°	31'				
			8	124°	46'				
			9	127°	22'				
			10	129°	54'				
			11	131°	39'				
			12	133°	56'				
		10:10	13	134°	45'				



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 157
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.J. Date 4-14-67
No. Date Date Map No. Indexed C.J.C. Date

F. B. 3793 Pg. 158 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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		For Office Use Only		
				Deg.	Min.	Range Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					

76S420A - CE 353A - Cdb 9-62

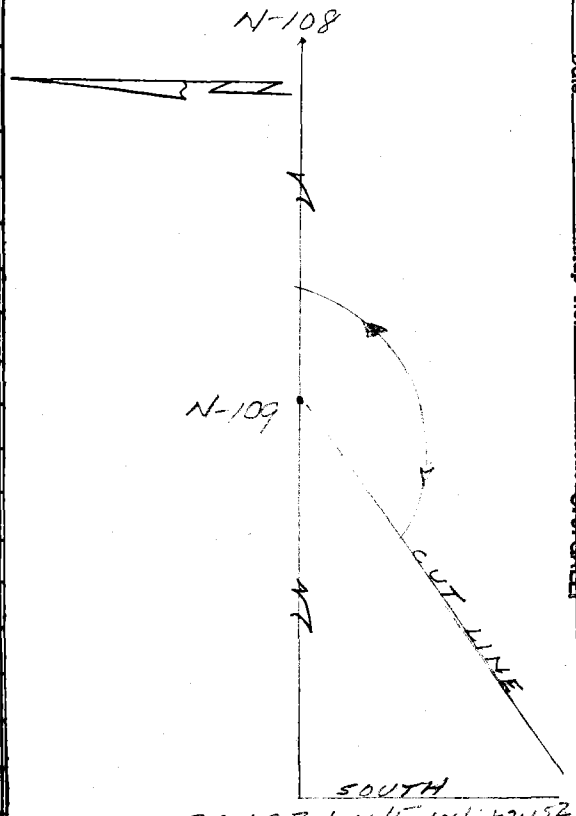
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
N-109	N-108	8:42	1	148°	50'			
			2	150°	49'			
			3	153°	01'			
			4	155°	55'			
			5	159°	02'			
			6	162°	51'			
			7	166°	36'			
			8	172°	01'			
			9	178°	35'			
			10	183°	37'			
			11	189°	17'			
			12	194°	26'			
			13	198°	39'			
			14	203°	15'			
		8:46	15	206°	51'			

RANGE LINE 1046+34.52 N



RANGE LINE 1046+34.52

Profile Notes Red ____ Plotted ____ Job No. 0700.02 Division No. 11 F. B. 3793 Pg. 203
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-17-67
No. ____ Date ____ Date ____ Map No. ____ Indexed J.J. GALLY Date ____

F. B. 3793 PG. 204 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 № 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 №

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 2-63

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.

Profile Notes Red. Plotted Job No. 23002 Division No. 11 F. B. 3723 Pg. 205
No. X-Sec. Date Date Survey of MALIBU HYDRO
No. Notes Chkd. Checked Survey by WILSON Notes ABOVE Date 4-17-62
Date Date Map No. Indexed C.J. GALLI Date

STATION	B. S.	H. I.	F. S.	ELEV.	1048+93 ℄ N	
T.P.	4.35	14.06		9.71	T.P. FROM PREVIOUS PC	
			1021	385.93	SET 1X2 UP 0.1 LEFT	
			95	46.81	M.H.W. SAND	
			58	83.32	BOT BANK	
			48	93.31	TOP "	
			30	111.17	GR. CH.	
			26	115.4	BOT BANK	
			101	1245.	℄ SET 1X2 FLUSH RIGHT	
			+06	147.	12 BOT WOOD SEAWALL	
			+17	158.	8 TOP CONC DECK OVER HANG	
			+28	169.	31 FRONT HSE	
T.P.			498	908.	ROCK W.	
					CUT GUN AT 1043+75.89 SIGHT 1048+93	
	2.76	6.64		385.	1X2 93 FT LEFT	
			33	33.	100 FT LEFT	
			61	05.	#1 17° 16'	
			84	-18.2	24 12	
			133	-67.3	35 36	
			180	-114.4	41 20	

DATUM
MEAN LOWER LOW WATER

F. B. 3793 Pg. 206 | 0300,02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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

765420A - CE 353A - Cdb 9-62

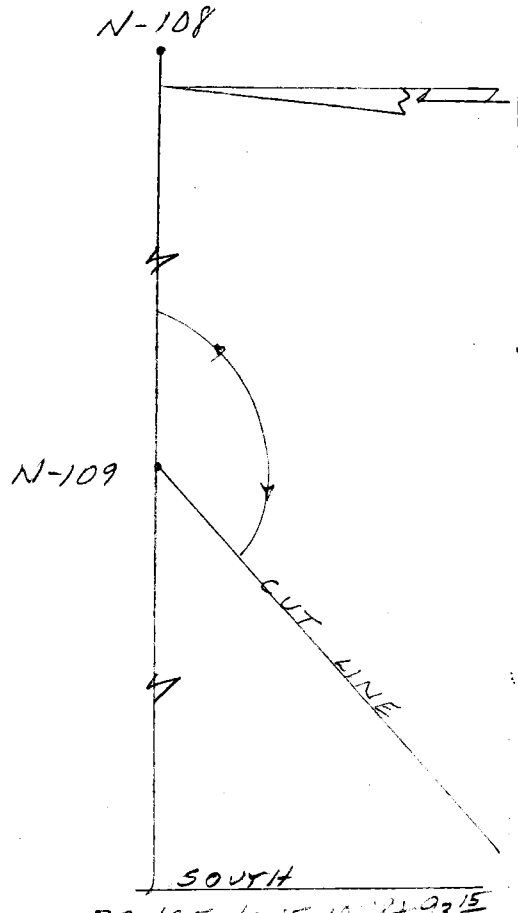
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

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.

RANGE LINE 1048 + 93.15 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
N-110	N-108	8:53	1	150°	43'				
			2	152°	39'				
			3	155°	36'				
			4	158°	17'				
			5	160°	48'				
			6	164°	28'				
			7	167°	57'				
			8	172°	14'				
			9	177°	15'				
			10	181°	14'				
			11	186°	29'				
			12	191°	07'				
			13	195°	13'				
			14	198°	15'				
			15	200°	50'				
			16	204°	05'				
			17	206°	20'				
			18	209°	34'				
		8:58	19	211°	00'				



RANGE LINE 1048+93.15

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 207
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes JTG Date 4-17-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 Pg. 208 | 0300.02 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRADHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					

76-L-298 CE 307 2-63

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.	1051+518 N	
T.P.	5.46	14.54		9.08	· T.P. FROM PREVIOUS PG	
			11.66	2.88	104 SET 1X2 UP 0.2 LEFT	
			9.9	4.6	· 83 M.H.W. SAND	
			7.9	6.6	· 65 GR, C.H.	
			3.5	11.0	· 6 BOT BANK	
			2.23	12.31	·	℄ SET 1X2 RIGHT
			0.3	14.2	·	7 TOP BANK
			+0.1	14.6	·	12 BOT SEA WALL OVERHANG
			+3.9	18.4	·	10 TOP " "
T.P.			4.62	9.92	·	
					CUT GUN AT 1043+75.89	SIGHT ON 1051+51
	4.25	7.13 X		2.88	1X2 104 FT LEFT	
			6.9	0.52	1 11° 28'	
			8.7	-1.96	2 15 32	
			11.1	-3.40	3 20 54	
			17.1	-9.10	4 25 56	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red Plotted Job No 23002 Division No. 11 F. B. 3723 Pg. 209
No. Date Date Survey of MALIBU HYDRO
X-Sec. Notes Chkd. Checked Survey by WILSON Notes JOHNS Date 4-17-62
No. Date Date Map No. Indexed G.J. GALLI Date

F. B. 3793 Pg. 210 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

PLEASE RETURN TO
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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

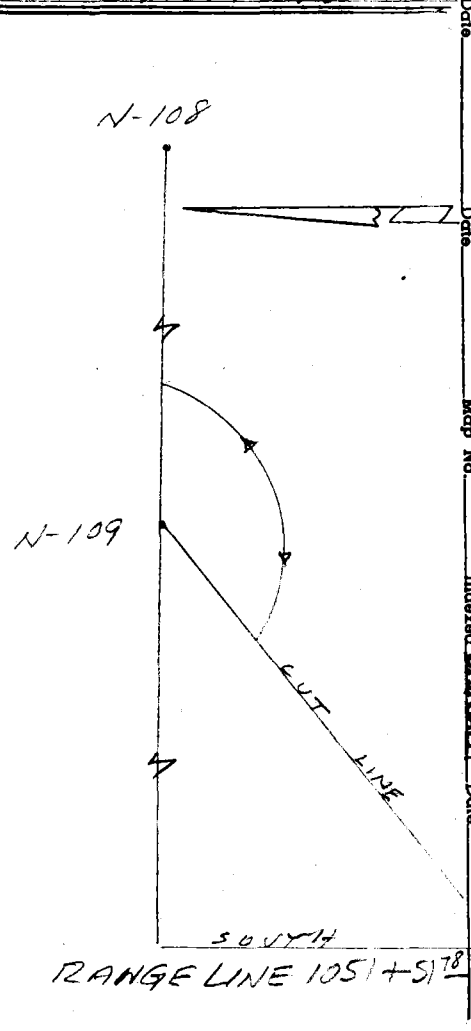
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1051+51.78 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
N-109	N-108	9:07	1	154°	28'				
			2	156°	43'				
			3	158°	59'				
			4	161°	15'				
			5	163°	29'				
			6	166°	03'				
			7	168°	50'				
			8	[illegible]	59'				
			9	176°	10'				
			10	180°	55'				
			11	185°	04'				
			12	189°	33'				
			13	194°	20'				
			14	199°	05'				
			15	202°	23'				
			16	206°	15'				
			17	209°	45'				
		9:12	18	212°	12'				



Profile Notes Red. Plotted Job No. 0300.02 Division No. 4
No. Date. Date. Survey of HYDROGRAPHIC SURVEY F.B. 3793 Pg. 211
X-Sec. Notes Ckd. Checked. Survey by Richard Notes T.G. Date 4-17-62
No. Date. Date. Map No. Indexed C.J. GALLI Date

F. B. 3793 Pg. 212 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

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 2-63

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.	1054+09.08 N	
T.P.	5.00	14.92		9.92	T.P. FROM PREVIOUS PG	
			11.44	3.48	.91 LEFT SET 1X2 FLUSH	
			10.3	4.6	.80 M.H.W. SAND	
			6.0	8.9	.49 GR. CH.	
			2.9	12.0	.6 BOT BANK	
			12.9	13.63		℄ SET 1X2 FLUSH RIGHT
			0.2	14.7		4 TOP BANK
			0.0	14.9		15 BOT SEAWALL
			+3.5	18.4		12 TOP OVER HANG #1
			+0.5	15.4		18 BOT SEAWALL
T.P.			6.00	8.92		
					CUT GUN AT 1056+63.57 SIGHT ON 1054+09.08	
	2.65	6.13		3.48	1X2 91 FT LEFT	
			17.4	-11.3	#1 50° 27'	
			16.1	-10.0	2 46 40	
			10.6	-4.5	3 41 54	
			8.0	-1.9	4 34 52	
			6.5	-0.4	5 29 49	
			4.7	1.4	6 23 28	
			3.4	2.7	100 FT LEFT	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 213
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON Notes ARAMO Date 4-17-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 214 | Job No. 0300,02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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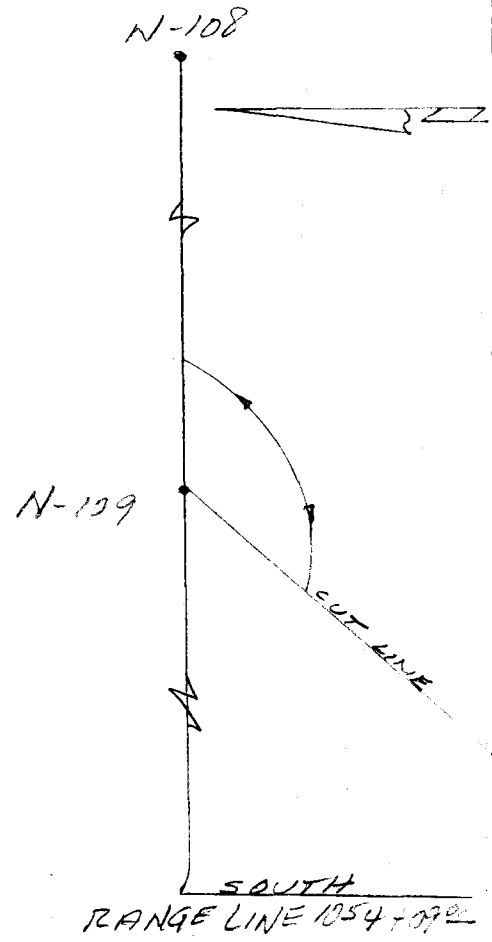
726 Los Angeles County Engineering Bldg.

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. RANGE LINE 1054+09.08 N.

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					
N-109	N-108	9:21	1	158°	57'			
			2	160°	52'			
			3	163°	28'			
			4	165°	44'			
			5	168°	22'			
			6	171°	24'			
			7	175°	05'			
			8	178°	45'			
			9	181°	59'			
			10	185°	05'			
			11	190°	57'			
			12	195°	47'			
			13	199°	13'			
			14	203°	12'			
			15	206°	09'			
			16	208°	32'			
			17	210°	28'			
			18	212°	14'			
			19	214°	03'			
		11:21	20	215°	26'			



Profile Notes Red. Plotted Job No. 03000.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3793 Pg. 215
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-17-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3793 Pg. 216 | 030002 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

76-L-298 CE 307 2-63

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. 63002 Division No. 11 F.B. 3793 Pg. 217
No.____ X-Sec. Date____ Date____ Survey of MALIBU HYDRO Notes ADAMS Date 1-17-62
No.____ Notes Chkd.____ Checked____ Survey by WILLSON Notes____ Date____
No.____ Date____ Date____ Map No.____ Indexed G.S. GALL Date____

STATION	B. S.	H. I.	F. S.	ELEV.	1056+63.6	
	5.00	13.92		8.92	T.P. FROM PREVIOUS PG	
			10.43	3.49	LEFT SET 1X2 U.P. 0.1	
			9.3	4.6	.59 M.H.W. SAND	
			5.8	8.1	.26 BOT BANK	
			3.6	10.3	.15 TOP "	
			2.02	11.90	℄ SET 1X2	
			2.8	11.1	℄ SAND RIGHT GR. CH	
			1.1	12.8		13 GR. CH.
			+1.11	15.0		30 BOT SEAWALL
			+2.6	16.5		30 TOP " "
			+0.7	14.6		31 BOT " "
T.P.			6.75	7.17		
					CUT GUN AT 1054+09.08 SIGHT ON 1056+63.57	
	3.19	6.68		3.49	1X2 89 FT. LEFT	
			4.4	2.3	100 FT LEFT	
			5.9	0.8	#1 29° 32'	
			7.6	-0.9	2 39 10	
			10.0	-3.3	3 49 36	
			13.9	-7.2	4 56 52	
			16.0	-9.3	5 62 28	
		ESTIMATED	20.0	-13.3	6 65 56	

DATUM
MEAN LOWER LOW WATER

F. B. 3793 Pg. 218 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

76-L-296 CE 307 2-63

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

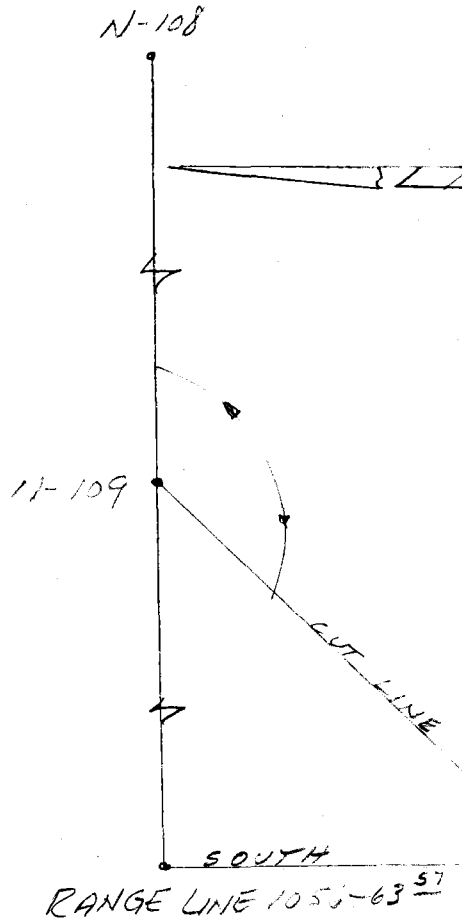
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1056+63.57 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
N-108	N-109	9:34	1	165°	38'				
			2	167°	15'				
			3	169°	30'				
			4	172°	14'				
			5	175°	21'				
			6	178°	25'				
			7	181°	8'				
			8	185°	14'				
			9	189°	22'				
			10	193°	42'				
			11	198°	47'				
			12	202°	28'				
			13	206°	14'				
			14	208°	40'				
			15	210°	23'				
			16	212°	24'				
			17	213°	43'				
		9:39	18	214°	54'				



Profile Notes Red. Plotted Job No. 2300.02 Division No. 11 F. B. 3793 Pg. 219
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Cbkd. Checked Survey by RICHARDS Notes J.G. Date 4-17-67
No. Date Date Map No. Indexed Date

F. B. 3793 Pg. 220 | 0300-02 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. 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 Deg.	Range Min.	Line	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						

76-L-298 CE 307 2-63

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.	1059+18' N	
T.P.	712	1429		717	TP FROM PREVIOUS PG LEFT	
			1095	334	75 SET 1X2 UP 0.3	
			97	46	54 M.H.W. SAND	
			425	1004		℄ SET 1X2
			64	79		℄ SAND RIGHT
			59	84		4 BOT BANK
			41	102		8 TOP "
			21	122		26 BOT "
			+23	166		41 TOP " FRONT TEA ROOM
			+23	166		44 TOP SEA WALL
			+01	144		45 FLOOR TEA ROOM
T.P.			521	908		
					CUT GUN AT 1054+09'	SIGHT ON 1059+18'
	355	689		334	1X2 75 FT	
		ESTIM.	185	-116	#1 39° 04'	
			150	-81	2 34 13	
			100	-31	3 25 43	
			80	-11	4 18 54	
			61	08	5 13 46	
			50	19	100 FT LEFT	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 221
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 4-17-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 222 | Job No. 030102 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

76-L-298 CE 367 2-63

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.

DATUM
MEAN LOWER LOW WATER

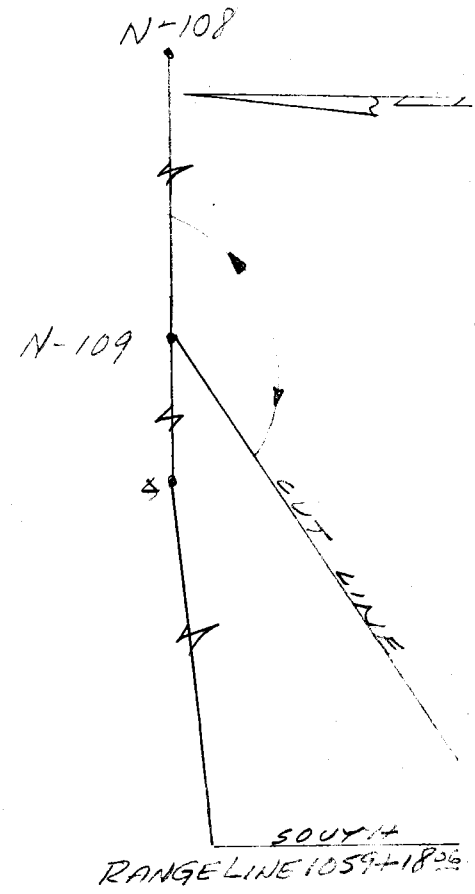
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1059+18.06 N.

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-109	N-108	9:53	1	169°	42'			
			2	171°	34'			
			3	173°	59'			
			4	176°	22'			
			5	178°	56'			
			6	181°	52'			
			7	184°	44'			
			8	187°	51'			
			9	191°	33'			
			10	194°	45'			
			11	198°	41'			
			12	202°	02'			
			13	205°	03'			
			14	207°	53'			
			15	210°	00'			
			16	212°	00'			
			17	213°	14'			
			18	214°	58'			
		9:58	19	215°	08'			



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 223
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-17-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 PG. 224 Job No. 0300.02 Division No. 11 Notes Red. ______ Plotted ______ Profile

Survey of HYDROGRAPHIC SURVEY Date ______ Date ______ No. ______

Survey by RICHARDS Notes J.G. 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.

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 2-63

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.	1061+72.55 N
T.P.	440	1348		908	• TP FROM PREVIOUS PG
			1023	325	•84 SET 1X2 UP 0.1 LEFT
			89	46	•57 M.H.W. SAND
			315	1033	• ℄ SET 1X2
			52	83	• ℄ SAND
			49	86	• 2 BOT. BANK RIGHT
			41	94	• 4 TOP "
			26	109	• 20 BOT "
			+18	153	• 40 TOP "
			+23	158	• 45 BOT SEA WALL
			+34	169	• 46 TOP " "
			+12	147	• 47 BOT " "
T.P.			599	749	•
					CUT GUN AT 1054+09 SIGHT ON 1061+72.55 W
	268	593		325	•1X2 84 FT LEFT
			35	24.	100 FT LEFT
			61	-02.	#1 11° 29'
			80	-21.	2 15 04
			94	-35.	3 18 29

DATUM
MEAN LOWER LOW WATER

CONT

Profile Noted Red Plotted Job No. 6300-2D Division No. 11 F.B. 3793 Pg. 235
No. X-Sec. Date Date Survey of MALIBU HYD 20
Notes Chkd. Checked Survey by WILSON Notes AS ABOVE Date 1-17-62
No. Date Date Map No. Indexed C.J. GALLI Date

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

F. B. 3793 Pg. 224 Job No. 030102 Division No. 11 Notes Red Plotted Profile
Survey of MALIBU AREA HYDRO Date Date No. X-Sec.
Survey by DREIER Notes DREIER Notes Chkd. Checked No.
Indexed C. I. GALLI Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
						CONT
		5 93				
			11 2	- 5 3.	4	21° 33'
			14 9	- 9 0.	5	24 35
			18 0	- 12 1.	6	28 11

DATUM
MEAN LOWER LOW WATER

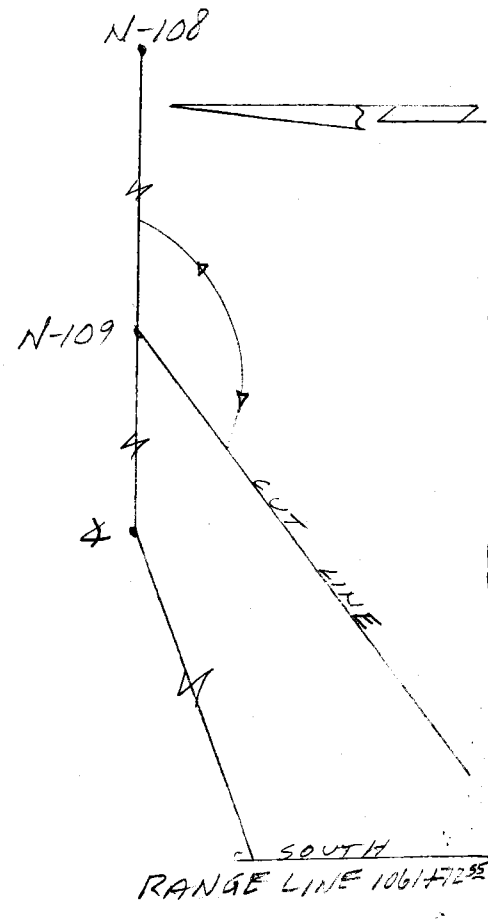
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1061+72.55 N.

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					
N-109	N-108	10:07	1	173°	55'			
			2	176°	43'			
			3	179°	15'			
			4	181°	39'			
			5	184°	03'			
			6	187°	10'			
			7	190°	08'			
			8	193°	18'			
			9	196°	39'			
			10	199°	56'			
			11	202°	46'			
			12	205°	29'			
			13	207°	43'			
			14	209°	52'			
			15	211°	30'			
			16	213°	17'			
	DELAY	10:12	17	214°	53'			
		10:16	18	209°	46'			
			19	210°	55'			
			20	211°	41'			



Profile Notes Red. Plotted Job No. 03001.02 Division No. 11 F. B. 3793 Pg. 227
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-17-61
No. Date Date Map No. Indexed C.J. GALL Date

F. B. 3793 Pg. 228 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

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

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Line Min.	Card No.
			21	213°	19'			
			22	215°	10'			
		12:40	23	215°	49'			

76-L-298 CE 307 2-63

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.	1064+27.04 N	
	692	14.41		7.49	T.P. FROM PREVIOUS PG LEFT	
			1103	3.38	.96 SET 1X2 UP 0.1	
			98	46	.70 M.H.W.	
			64	80	.16 BOT BANK	
			47	97	.14 TOP "	
			279	11.62		℄ SET 1X2 UP 0.2 RIGHT
			18	12.6		8 GR CH
			05	13.9		21 BOT SEAWALL
			+18	16.2		23 TOP " "
			00	14.4		25 BOT " "
T.P.			435	10.06		
					CUT GUN AT 1054+09.1 SIGHT ON 1064+27	
	262	6.00		3.38	1X2 96 FT LEFT	
			179	-11.9	#1 21° 27'	
			158	-9.8	2 19 35	
			113	-5.3	3 16 51	
			90	-3.0	4 14 28	
			79	-1.9	5 12 03	
			60	0.0	6 9 14	
			30	3.0	100 FT LEFT	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3793 PG. 229
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON Notes ADAMS Date 7-17-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 230 Job No. 0300,02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

76-L.298 CE 307 2-63

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

76S420A - CE 353A - Cdb 9-62

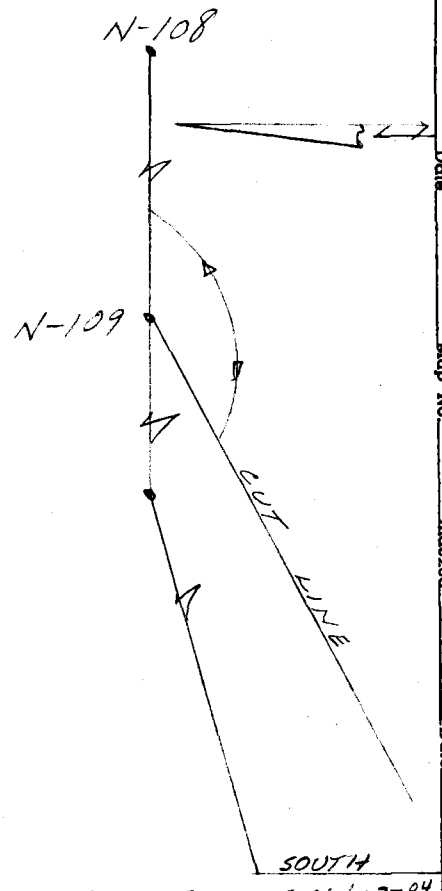
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
N-109	N-108	10:29	1	175°	34'			
			2	177°	41'			
			3	179°	50'			
			4	182°	30'			
			5	185°	06'			
			6	187°	02'			
			7	190°	04'			
			8	192°	49'			
			9	195°	07'			
			10	197°	16'			
			11	199°	37'			
			12	201°	56'			
			13	203°	52'			
			14	206°	17'			
			15	207°	25'			
			16	209°	54'			
			17	212°	19'			
			18	213°	41'			
	DELAY	10:34	19	215°	01'			
		10:43	20	208°	49'			

RANGE LINE 1064 + 27.04 N.



RANGE LINE 1064 + 27.04

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 231
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-17-61
No. Date Date Map No. Indexed C. J. GALLI 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. 3793 Pg. 232 Job No. 0300.02 Division No. 11

Survey of HYDROGRAPHIC SURVEY

Survey by RICHARDS Notes T.G.

Indexed C.J. GALLI

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Notes 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					
			21	210°	46'			
			22	212°	34'			
			23	213°	37'			
			24	214°	03'			
		10:45	25	214°	59'			

76-L-298 CE 307 2-63

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.	1066+80.61 N	
	467	1473		1006.	T.P. FROM PREVIOUS PG	
			1170	303.	119 LEFT SET 1X2 UP 0.1	
			101	46.	91 M.H.W SAND	
			68	79.	35 BOT BANK	
			53	94.	29 TOP "	
			178	1295.		℄ SET 1X2 GR.CH. FLUSH RIGHT
			02	145.		30 BOT SEAWALL
			+05	152.		31 TOP "
			11	136.		34 BOT "
T.P.			505	968.		
					CUT GUN AT 1069+31.39	SIGHT ON 1066+80.61
	313	6 16 2		303.	1X2 119 FT LEFT	
			56	06.	#1 35° 11'	
			71	-09.	2 39 51	
			83	-21.	3 45 16	
			100	-38.	4 50 33	
			148	-86.	5 57 04	
			166	-104.	6 58 34	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 Survey of MALIBU HYDRO Survey by WILSON Notes ADAMS Date 4-17-62 Map No. ____ Indexed C. J. GALLI Date ____

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

F.B. 3793 Pg. 233

F. B. 3793 Pg. 239 | Job No. 0300.02 Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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

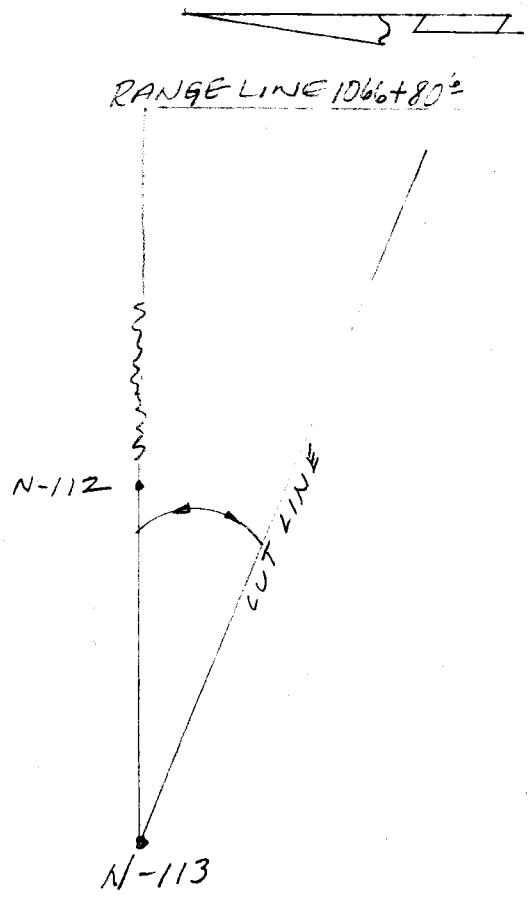
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1066+80.61 N

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					
N-113	N-112	11:24	1	61°	18'			
			2	58°	45'			
			3	55°	44'			0668114
			4	52°	59'			
			5	49°	53'			
			6	46°	19'			066816 8116
			7	42°	51'			
			8	39°	14'			
			9	35°	36'			0668120
			10	32°	22'			
			11	29°	27'			
			12	26°	54'			0668122
			13	24°	57'			
			14	22°	32'			
			15	20°	48'			0668124
			16	18°	55'			
			17	17°	18'			
			18	15°	34'			0668126
		11:29	19	14°	39'			
				00	00			
				00	00			0668128



X

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 235
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-17-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI 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					
				00	00			
				00	00			
				00	00			0668130
				94	32			
				00	00			
				00	00			0668110
				00	00			
				00	00			
				00	00			0668112
				94	32			
				00	00			
				00	00			0668138
				00	00			
				00	00			
				00	00			0668140
				58	34			
				57	04			
				50	33			0668142
				45	16			
				39	51			
				35	11			0668144

F. B. 3793 Pg. 236 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed Date Date No.

76-L-298 CE 307 2-63

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. 03002 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON Notes AGAMS Date 4-17-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J.GANT Date ____

F.B. 3793 Pg. 237

STATION	B. S.	H. I.	F. S.	ELEV.	1069+31.39 N	
	548	1516		968.	T.P. From PREVIOUS PG LEFT	
			1200	316.	97 SET 1X2 UP 0.2	
			106	46.	75 M.H.W. SAND	
			68	84.	49 BOT BANK	
			58	94.	41 TOP "	
			385	1131.		BOT BANK
						℄ SET 1X2 FLUSH RIGHT
			264	1252		9 TOP BANK
			08	194.		69 BOT SEAWALL " "
			00	152.		70 TOP CONC. DECK SMOKED GLASS FENCE # # #
T.P.			481	1035.		
					T.P. 1X2 97 FT LEFT	
	286	602.		316.	CUT GUN AT 1066+80.61 SIGHT ON 1069+31.4	
			173	-113.	1 54° 09'	
			153	-93.	2 51 27	
			120	-60.	3 46 49	
			87	-27.	4 39 57	
			75	-15.	5 35 37	
			64	-04.	6 31 00	
			43	17.	125 FT LEFT	

DATUM
MEAN LOWER LOW WATER

F. B. 3793 Pg. 238 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

DATUM MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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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

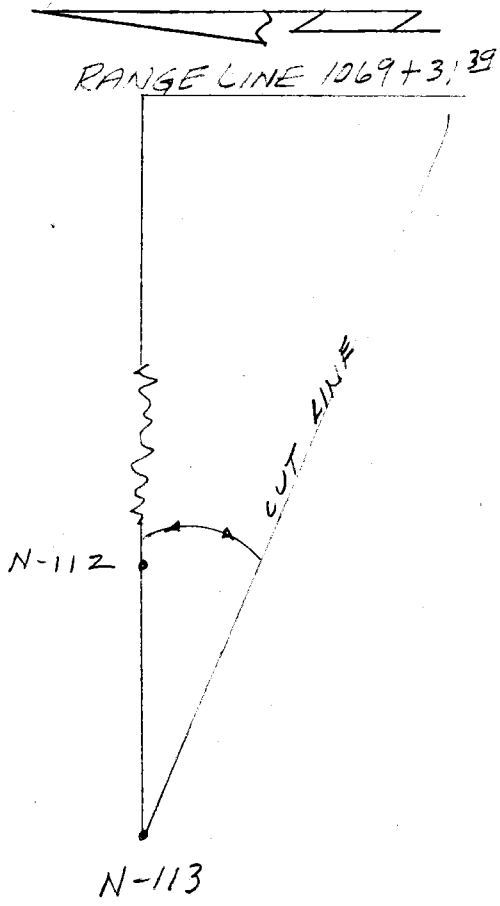
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1069+31.39 N.

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					
N-113	N-112	11:49	1	56°	19'			
			2	53°	43'			
			3	51°	02'			0693114
			4	48°	11'			
			5	45°	17'			
			6	43°	02'			0693116
			7	39°	17'			
			8	36°	24'			
			9	33°	01'			0693118
			10	29°	03'			
			11	25°	54'			
			12	22°	26'			0693120
			13	19°	50'			
			14	17°	20'			
			15	15°	42'			0693122
			16	14°	06'			
		11:53	17	13°	10'			
				00	00			0693124
				00	00			
				00	00			
				00	00			0693126



Profile Notes Red Plotted Job No. 0300.02 Division No. 4
No. Date Date Surveyed HYDROGRAPHIC SURVEY F. B. 3793 Pg. 239
X-Sec. Notes Chkd. Checked Surveyed by RICHARDS Notes T.S. Date 4-17-67
No. Date Date Map No. Indexed C.J.GALLI 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					
				94	32			
				00	00			
				00	00			0693110
				00	00			
				00	00			
				00	00			0693112
				94	32			
				00	00			
				00	00			0693140
				00	00			
				00	00			
				00	00			0693142
				54	09			
				51	27			
				46	49			0693134
				39	57			
				35	37			
				31	00			0693136
				00	00			
				00	00			
				00	00			0693138

F. B. 3793 PG. 240 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked X-Sec.

Indexed Date Date No.

76-L-298 CE 307 2-63

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.	1071+82.2 N	
	4 90	15 25		10 35	T.P. FROM PREVIOUS PG	
			11 84	341	LEFT 102 SET 1X2 FLUSH	
			107	46	88 M.H.W. SAND	
			45	108	39 GR. CH.	
			284	1241		℄ SET 1X2 FLUSH
			17	136		RIGHT 98 BOT 2' FENCE
			22	131		102 END CONC. WK.
T.P.			4 47	1078		
					CUT GUN AT 1066+80.61 SIGHT ON 1071+82.2	
	272	6 13		3 41	1X2 102 FT LEFT	
			47	14	135 FT LEFT	
			70	-09	1 19° 12'	
			82	-21	2 22 35	
			90	-29	3 25 08	
			106	-45	4 28 06	
			151	-90	5 32 57	
			163	-102	6 34 48	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Date ____ Job No. 030002 Division No. 11 Survey of MALIBU HYDRO Survey by WILSON Notes ADAMS Date 4-17-67 Map No. ____ Indexed C. J. GALLI Date ____

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

F. B. 3793 PG. 241

F.B. 3793 Pg. 242 Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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

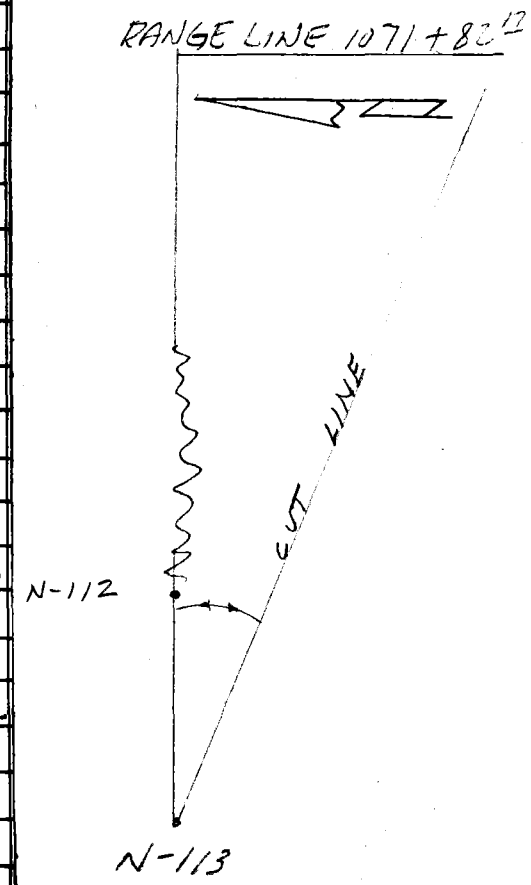
76S420A - CE 353A - Cdb 9-62

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. RANGE LINE 1071+82.17 N.

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					
N-113	N-112	12:04	1	62°	57'			
			2	60°	32'			
			3	57°	15'			0718214
			4	54°	11'			
			5	50°	39'			
			6	45°	33'			0718216
			7	42°	06'			
			8	39°	22'			
			9	35°	32'			0718218
			10	31°	39'			
			11	28°	35'			
			12	25°	01'			0718220
			13	22°	06'			
			14	19°	49'			
			15	17°	36'			0718222
			16	14°	59'			
			17	12°	56'			
		12:09	18	12°	28'			0718224
				00	00			
				00	00			
				00	00			0718226



X

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3793 Pg. 243
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-17-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. CALLI 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. 3793 Pg. 244 Job No. 0306.07 Division No. 11

Survey of HYDROGRAPHIC SURVEY

Survey by RICHARDS Notes J.G.

Indexed Date

Profile Plotted Date

X-Sec. No. Notes Red. Date

Notes Chkd. Date

Checked 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						
				94	32				
				00	00				
				00	00			0178210	
				00	00				
				00	00				
				00	00			0178212	
				34	48				
				32	57				
				28	06			0178214	? ? ? ?

76-L-298 CE 307 2-63

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.	1074+32.95 N	
	485	1563		1078	T.P. FROM PREVIOUS PG LEFT	
			1247	316	106 SET 1X2	
			110	46	99 M.H.W. SAND	
			66	90	55 GR CH	
			35	121	18 " "	
			266	1297		℄ SET 1X2 RIGHT
			17	139		54 GR. CH.
			24	132		77 BOT 2' BOARD FENC
T.P.	427	1764	226	1337		
T.B.M #13			030	1734	FD CHIS "X" IN E. END CONC DECK ELEV=17.27	
					CUT GUN AT 1066+80.61 SIGHT ON 1074+32.9	
	302	618.2		316	1X2 106 FT. LEFT	
			142	-80	#1 28° 20'	
			160	-98	2 29 55	
			128	-66	3 26 20	
			115	-53	4 22 57	
			95	-33	5 19 00	
			79	-17	6 16 17	
			65	-03	7 13 23	
			50	12	DATUM 142 FT LEFT	

MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3793 Pg. 245
No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by W. SOH Notes ADAMS Date 4-17-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3793 Pg. 246 Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile

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

Survey by ____ Notes ____ Notes Chkd. ____ Checked ____

Indexed ____ Date ____ Date ____ Date ____ No. ____

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

DATUM
MEAN LOWER LOW WATER

76-L-298 CE 307 2-63

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

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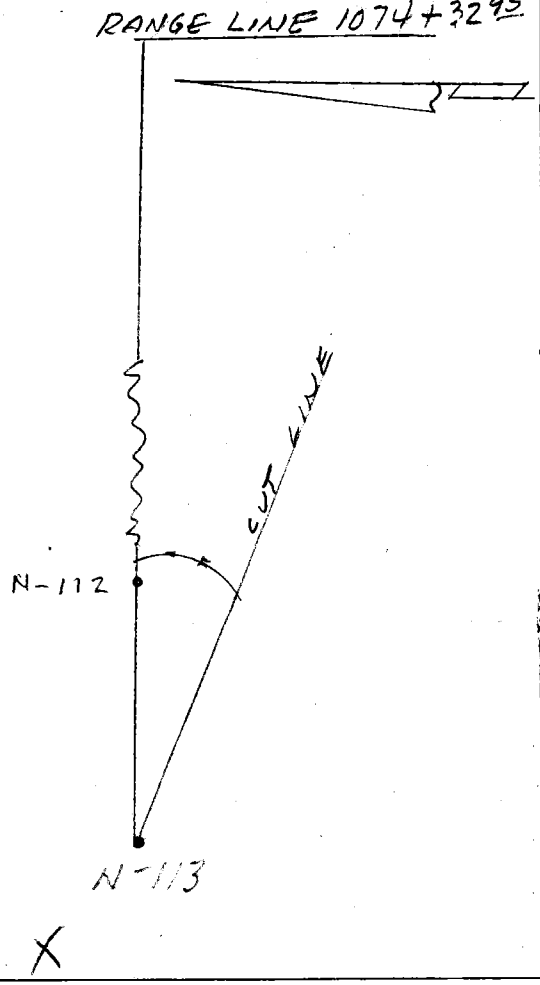
765420A - CE 353A - Cdb 9-62

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. RANGE LINE 1074 + 32.95 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-113	N-112	12:17	1	67°	49'			
			2	64°	59'			
			3	62°	44'			0743314
			4	60°	15'			
			5	57°	18'			
			6	53°	06'			0743316
			7	49°	14'			
			8	47°	48'			
			9	46°	44'			0743318
			10	44°	02'			
			11	43°	34'			
			12	42°	44'			0743320
			13	41°	28'			
			14	39°	51'			
			15	38°	30'			0743322
			16	36°	52'			
			17	34°	49'			
			18	32°	52'			0743324
			19	31°	22'			
			20	30°	54'			
			21	28	54			0743326



X

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 3793 Pg. 247
No. Date. Date. Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-17-67
No. Date. Date. Map No. Indexed [illegible] Date.

F.B. 3723 Pg. 24 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted

Survey of HYDROGRAPHIC SURVEY | Date | Date

Survey by RICHARDS Notes J.G. | Notes Chkd. | Checked

Indexed C. J. GALLI Date | Date | Date

			21	28°	54'			
			22	26°	35'			
			23	24°	30'			
			24	22°	33'			0743328
			25	21°	47'			
			26	21°	59'			
			27	20°	51'			0743330
			28	18°	36'			
			29	15°	25'			
		12'26	30	14°	35'			0743332
				00	00			
				00	00			
				00	00			0743334
FB.	3793	CLOSED		0				
				0				
THIS SURVEY CONTINUED IN FB. 3794								