Survey of MALIBU AREA HYD. SUR. F. B. 3792 PG. 5
JN 0300.02 Tape ___ Std. ___ °F
Surveyed by W. A. RICHARDS
Notes W. A. R. Date MARCH - APRIL 1967
Indexed C. J. GALLI NOV 17 '67

J. N. 0300.02

MALIBU AREA HYDROGRAPHIC SURVEY

CROSS-SECTION SURVEYS

STA. 809+03.23
STA. 942+38.36, INC.
CONTINUED FROM F.B. 3791 PG. 242
CONTROL LINE SURVEY SEE F.B. 3790: 9 - 82, INC.
DATUM: M.L.L.W.
SURVEY LETTER NO. 4707, 4707-A

URRDS EN LGER RILL IKSON RWIN ONT	WILSON ADAMS MANLEY TULLIER FISHER	DREIER WILKS SIEMANN M°KNIGHT GEROLD GREGG AMUNDSON	SWIMMERS

DATUM
MEAN LOWER LOW WATER

Not microfilmed

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY	F. B. 3792 Pg. 7
Map No.	JN 0309.02 Tape Std °F	
Office Work	Surveyed by RICHARDS	
Checked	Notes VHARRIST Date 3-30-67	
Date	Indexed C. J. GALLI	

TIDE GAGE READINGS
MAR. 30, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	-0.4
6:30	-0.5
7:00	-0.6
7:30	-0.4
8:00	-0.2
8:30	0.1
9:00	0.5
9:30	0.8
10:00	1.3
10:30	1.7
11:00	2.0
11:30	2.3
12:00	2.6
12:30	2.8
13:00	2.8
13:30	2.9
14:00	2.8

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

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

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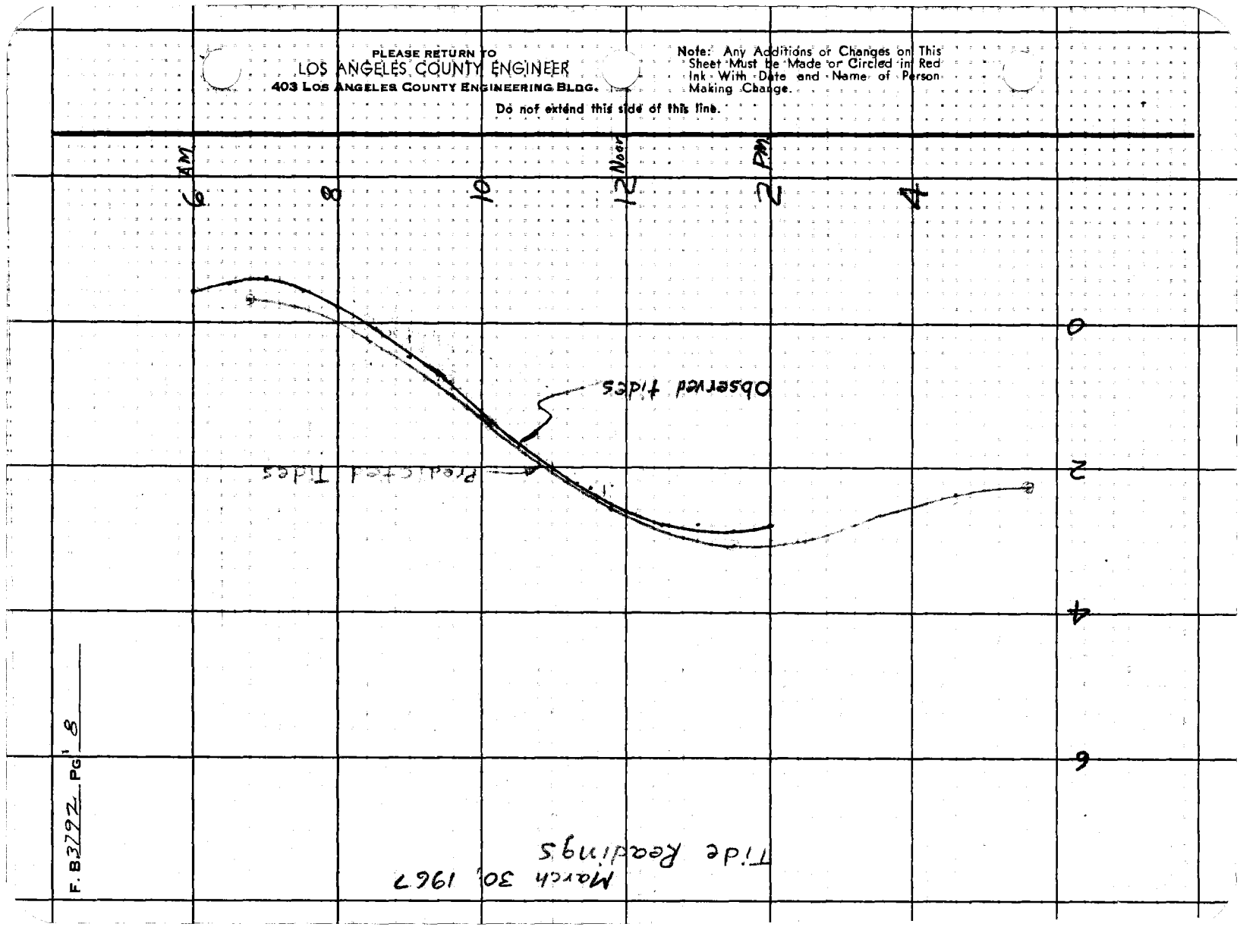
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.



March 30, 1967

Tide Readings

F. B3792 PG 18

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.	809+03² N. L	R
806+52³	144	10 05.		8 61'	T.B.M. 5H	
	377	9 80'	4 02	6 03.	L.&T. N-88	
			2 3	7 5.		23° PILINGS BLDG
			+8 7	18 5.		23° LOWER FLOOR "
			+17 0	26 8.		54° FRONT "
T.P.			5 91	3 89'	ROCK	
806+52³	144	10 05.		8 61'	T.R "X" ON ROCK	
	051	6 54	4 02	6 03.	N-88 L&T. IN ROCK	
809+03²			2 4	4 1'		℄ ON SAND
			0 4	6 1.		15 FT RT. IN ROCK RIPRAP
			1 9	4 6.		5 FT RT M.H.W.
			5 2	1 3.	34	
					GUN AT N-89	SIGHT ON N-88
			7 6	-1 1.	#1 18° 55'	
			8 8	-2 3.	2 30 38	
			11 1	-4 6.	3 44 54	
			14 5	-8 0.	4 56 40	
			18 0	-11 5.	5 60 01	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3792 Pg. 9
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
X-Sec. Notes Chkd. ____ Checked ____ Survey by VICTOR DREIER Notes ADAMS DREIER Date 3-30-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

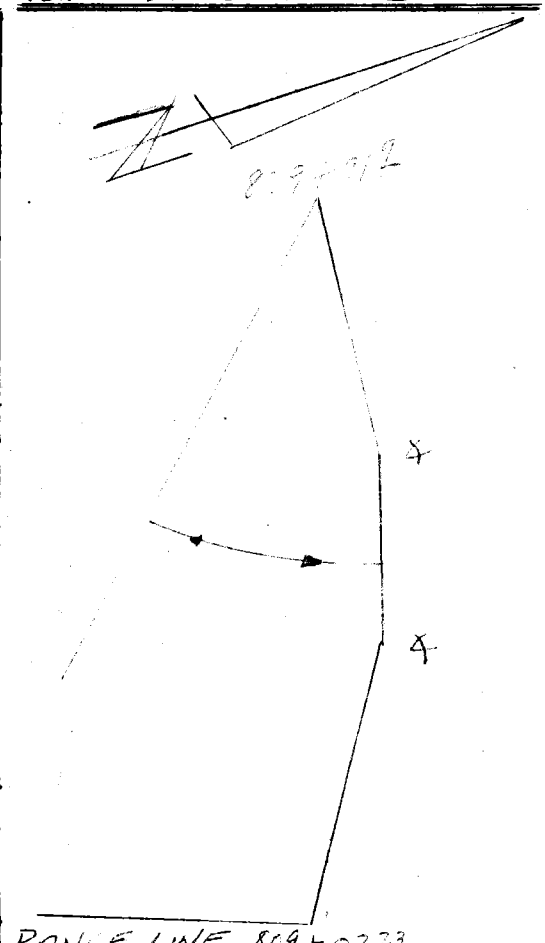
76S420A - CE 353A - Cdb 9-62

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 809+03.23

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					
829+[illegible]	N-90	8:42	1	40°	42'			
			2	38°	25'			
			3	[illegible]	[illegible]			8090316
			4	34°	46'			
			5	33°	03'			
			6	30°	36'			8090318
			7	28°	32'			
			8	26°	05'			
			9	23°	13'			8090320
			10	20°	30'			
			11	18°	22'			
			12	16°	25'			8090322
			13	14°	38'			
			14	13°	19'			
			15	11°	35'			8090324
			16	09°	40'			
		[illegible]	17	08°	13'			
				00	00			8090326
				00	00			
				00	00			
				00	00			8090328



Profile Notes Red. ____ Plotted ____ Job No. 0300.00 Division No. ____ F. B. 3792 Pg. 11
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 3-30-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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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					
				80	33			
				00	00			
				00	00			8090312
				00	00			
				00	00			
				00	00			8090314
				80	33			
				00	00			
				00	00			8090330
				00	00			
				00	00			
				00	00			8090332
				60	01			
				56	40			
				44	54			8090340
				30	38			
				18	55			
				00	00			8090342
				00	00			
				00	00			
				00	00			8090344

F. B. 3792 PG. 12 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.

76L-298 S & E #307—1-56

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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.	811+56.98N LEFT	RIGHT
N-88	2 02	8 05		603	T.P. N-88 LST. FROM PREVIOUS PG	
T.P.	885	1274	416	389	T.P ON CONC. BLOCK	
			64	63	℄	
			20	107		14' BOT BANK
			+138	265		30' TOP "
			+143	270		45' FRONT HOUSE
T.P.			591	683	T.P. Rock	
T.P.	314	7 03		389	T.P. ON CON	
					CUT GUN AT 814+13² SIGHT ON 811+57	
			TO DEEP		1 40° 40'	
		(ESTIM.)	210	-140	2 38 42	
			155	-85	3 35 46	
			117	-47	4 29 16	
			101	-31	5 24 41	ROCKY
			94	-24	6 15 15	"
			61	09	7 7 30	"
			44	26	14 FT L. BEGIN. OF ROCK RIP RAP	
			24	46	5 " " M.H.W.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 13
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-30-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. [illegible] Date ____

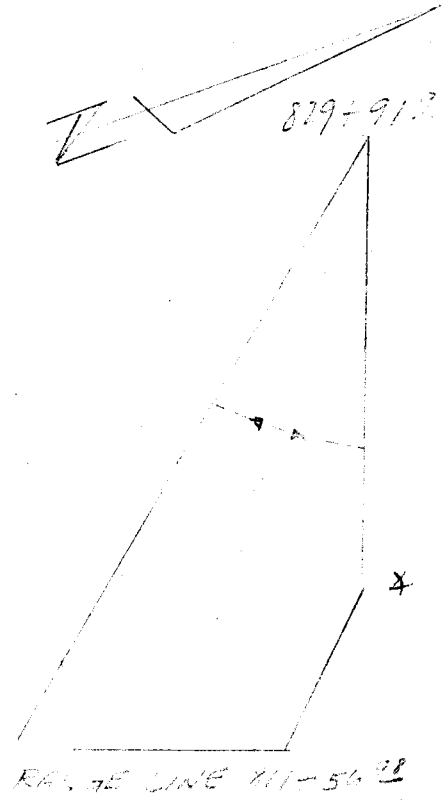
765420A - CE 353A - Cdb 9-62

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 811+56.98

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					
829+91.2	N-90	9:02	1	35°	56'			
			2	34°	02'			
			3	31°	52'		-	8115714
			4	29°	49'			
			5	27°	55'			
			6	25°	19'		-	8115716
			7	22°	31'			
			8	19°	30'			
			9	17°	24'		-	8115718
			10	16°	06'			
			11	14°	30'			
			12	13°	04'		-	8115720
			13	11°	40'			
			14	10°	11'			
		9:05	15	08°	21'		-	8115722
				00	00			
				00	00			
				00	00		-	8115724
				00	00			
				00	00			
				00	00			8115740



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 15
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes J.G. Date 3-30-67
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. 3792 PG. 16 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes T.G. Notes Chkd. Checked No.

Indexed Date Date Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				97	19			
				00	00			
				00	00			8115710
				00	00			
				00	00			
				00	00			8115712
				97	19			
				00	00			
				00	00			8115726
				00	00			
				00	00			
				00	00			8115728
				40	40			
				38	42			
				35	46			8115734
				29	16			
				24	41			
				15	15			8115736
				7	30			
				00	00			
				00	00			8115738

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.	814 + 13 2 N. L. R.
	11 15	1798		683	T.P. PREVIOUS PAGE
TBM			1182	616	TBM Rock SWIM.
			117	63	℄ SAND
			94	86	268 PILINGS BLDG
			30	150	678 GR CH
			+106	286	925 FRONT BLDG
T.P.			1308	490	T.P. Rock
T.P.	046	662	~~662~~	616	T.P. ON ROCK 13 FT. W. OF STA.
			20	46	6 FT L. M.H.W.
			40	26	32 FT L.
			63	03	60 FT. L
					GUN AT 816+69 W. SIGHT ON 814+13
			79	-13	#1 19° 45'
			95	-29	2 26 25
			127	-61	3 35 16
			159	-93	4 41 12
			173	-10.7	5 43 15

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red. ___ Plotted ___ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 17
X-Sec. No. ___ Date ___ Date ___ Survey of MALIBU AREA HYDRO
Notes Chkd. ___ Checked ___ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-30-67
Date ___ Date ___ Map No. ___ Indexed C. I. GALLI Date ___

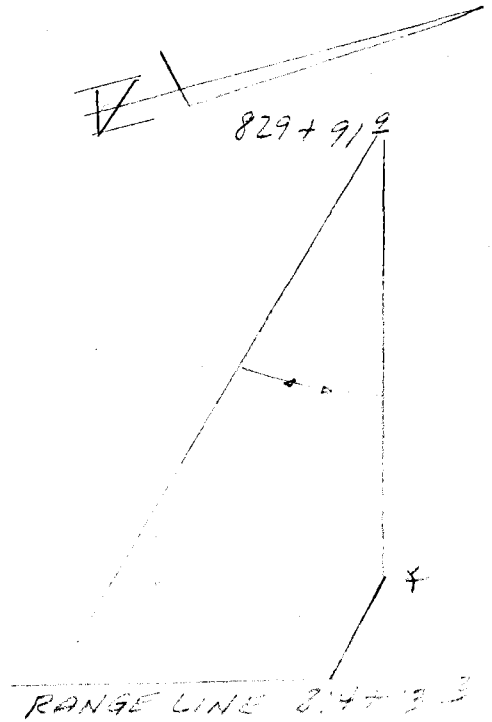
76S420A - CE 353A - Cdb 9-62

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 814 + 13.23

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					
829+91.9	N-90	9:20	1	46°	18'			
			2	44°	39'			
			3	43°	26'			8141314
			4	41°	37'			
			5	39°	50'			
			6	38°	15'			8141316
			7	35°	46'			
			8	33°	23'			
			9	31°	11'			8141318
			10	28°	22'			
			11	26°	04'			
			12	23°	23'			8141320
			13	20°	48'			
			14	18°	13'			
			15	16°	12'			8141322
			16	14°	16'			
			17	12°	06'			
			18	10°	25'			8141324
		9:25	19	09°	49'			
				00	00			
				00	00			8141326



Profile Notes Red. ____ Plotted ____ Job No. 300.02 Division No. 11 F. B. 3792 Pg. 19
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 3-30-67
No. ____ Date ____ Date ____ Map No. ____ Indexed E. T. GALLI Date ____

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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F. B. 3792 Pg. 20 Job No. 030002 Division No. // Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed Date Date Date

Profile X-Sec.

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					
				97	19			
				00	00			
				00	00			8141310
				00	00			
				00	00			
				00	00			8141312
				97	19			
				00	00			
				00	00			8141332
				00	00			
				00	00			
				00	00			8141334
				43	15			
				41	12			
				35	16			8141336
				26	25			
				19	45			
				00	00			8141338
				00	00			
				00	00			
				00	00			8141340

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 30002 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER Notes DREIER Date 3-30-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALL Date ____

F. B. 3792 Pg. 21

STATION	B.S.	H.I.	F.S.	ELEV.	816 +69.5N L. R. RIGHT	
	557	1047		490	T.P. FROM PREVIOUS PG	
			64	41	℄ FD 1X2	
			+19	124	48° PILINGS BLDG	
			+184	289	70' FRONT BLDG	
			185	290	82' ROAD	
N-90			106	941	T.B.M. 51 EL = 9.41	
	001	491		490	T.P. TOP PACE	
					CUT GUN AT 814+13 SIGHT 816+69	
			170	-121	1 64° 29'	
			131	-82	2 57 03	
			117	-68	3 44 34	
			95	-46	4 31 52	
			74	-25	5 19 26	
			50	-01	6 11 51	
			34	15	29 FT. L.	
			08	401	℄ ON SAND	
			03	46	M.H.W 3FT RT	

DATUM
MEAN LOWER LOW WATER

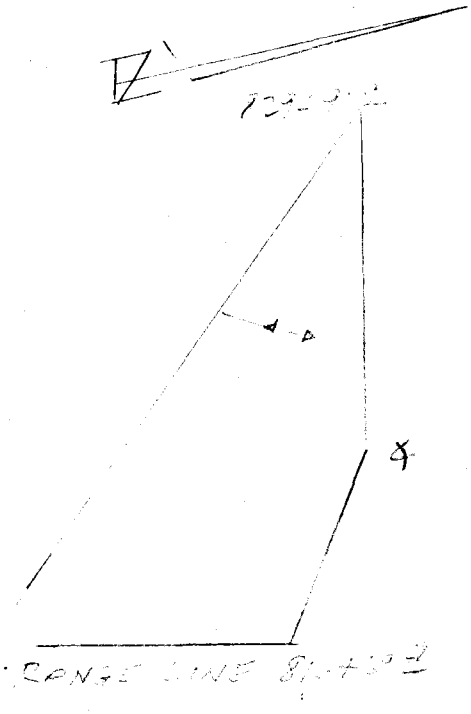
765420A - CE 353A - Cdb 9-62

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 816+69.48

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					
[illegible]	[illegible]	9:30		45°	04'			
				43°	20'			
				41°	19'			81669 14
				[illegible]	[illegible]			
				37°	18'			
				35°	03'			81669 16
				32°	25'			
				30°	00'			
				26°	30'			81669 18
				[illegible]	[illegible]			
				[illegible]	27'			
				18°	11'			81669 20
				16°	00'			
				[illegible]	43'			
		9:45		12°	09'			81669 22
				00	00			
				00	00			
				06	00			81669 24



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3792 Pg. 23
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes by [illegible] Date 3-30-67
No. Date Date Map No. Indexed C. J. GALLI Date

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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					
				97	19			
				00	00			
				00	00			8166910
				00	00			
				00	00			
				00	00			8166912
				97	19			
				00	00			
				00	00			8166938
				00	00			
				00	00			
				00	00			8166940
				64	29			
				57	03			
				44	34			8166932
				31	52			
				19	26			
				11	51			8166934
				00	00			
				00	00			
				00	00			8166936

F. B. 3792 PG. 24 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.

76L298 307 10-51

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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.

STATION	B. S.	H. I.	F. S.	ELEV.	819 + 245N L.	R.
N-90	285	1226		941	TBM 5I N = 90 FD L&CE TAG	RIGHT
T.B.M			712	514	ON ROCK 14' LT STATION	
			334	892		℄ FD CHIS "X" ON ROCK
			18	105.		16' PILINGS BLDG
			+12	135.		30' GR C.H.
			+163	286.		49' FLOOR FRONT BLDG
			+168	~~28~~ 29.1		67' ROAD
T.P.			577	649	TP ROCK	
T.P.	062	576 41		514	T.P. ROCK 14' LEFT STA.	
			11	46.	12 FT. L. M.H.W.	
			43	14.	46 FT. L.	
			54	03.	61 FT. L.	
			~~6~~		CUT GUN AT 821 + 76.3 SIGHT ON 819+24	
			62	-04.	#1 18° 01'	
			90	-32.	2 26 30	
			121	-63.	3 35 15	
			143	-85.	4 43 36	
			180	-122	5 48 11	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 25
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-30-67
Date ____ Date ____ Map No. ____ Indexed C.G. BALLS Date ____

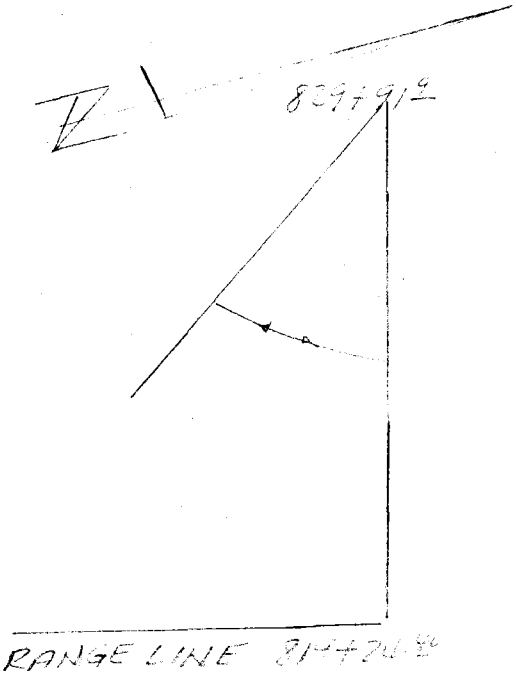
765420A - CE 353A - Cdb 9-62

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 819+24.48

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					
829+91.9	N-90	10:00	1	29°	30'			
			2	37°	45'			
			3	46°	02'			8192412
			4	43°	58'			
			5	41°	43'			
			6	39°	08'			8192414
			7	36°	45'			
			8	33°	39'			
			9	32°	12'			8192416
			10	26°	57'			
			11	23°	29'			
			12	21°	34'			8192418
			13	19°	37'			
			14	16°	58'			
			15	14°	22'			8192420
		10:03	16	11°	34'			
				00	00			
				00	00			8192422
				00	00			
				00	00			
				00	00			8192424



Profile Notes Red. Plotted Job No. 0300.02 Division No. 4
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3792 Pg. 27
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes [illegible] Date 3-30-67
No. Date Date Map No. Indexed [illegible] Date

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Do not extend notes this side of this line.

F. B. 3792 PG. 28 Job No. 2300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes U.S. Notes Chkd. Checked No.

Indexed Date Date Date

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				97	19			
				00	00			
				00	00			8192408
				00	00			
				00	00			
				00	00			8192410
				97	19			
				00	00			
				00	00			8192432
				00	00			
				00	00			
				00	00			8192434
				48	11			
				43	36			
				35	15			8192436
				26	30			
				18	01			
				00	00			8192438
				00	00			
				00	00			
				00	00			8192440

76L298 307 10-51

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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.

STATION	B. S.	H. I.	F. S.	ELEV.	821+76 2N L.	R.
	261	910		649.	T.P. FROM PREVIOUS PG	
			33	58.		℄ FOCHIS "X" ON ROCK
			+31	122.		30.5' BOT BANK
			+171	262.		52' TOP "
			+147	238.		74' ROAD
T.P.			411	4.99.		
	041	690		649	T.P ROCK 4 FT RT STA.	
		46			CUT GUN AT 819+24.5	SIGHT ON 821+76.2
		23				
			170	-101.	#1 55° 38'	
			170	-101.	2 49 02	
			133	-64.	3 43 48	
			104	-35.	4 35 06	
			81	-12.	5 22 34	SOME ROCKS
			75	-06.	6 16 49	
			60	09.	7 9 32	
			33	36.	12 FT LEFT	BEGIN ROCK RIP RAP
			23	46.		2 FT RT. M.H.W.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 29
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
Notes Chkd. ____ Checked ____ Survey by WILSON PREIER Notes ADAMS PREIER Date 3-30-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

765420A - CE 353A - Cdb 9-62

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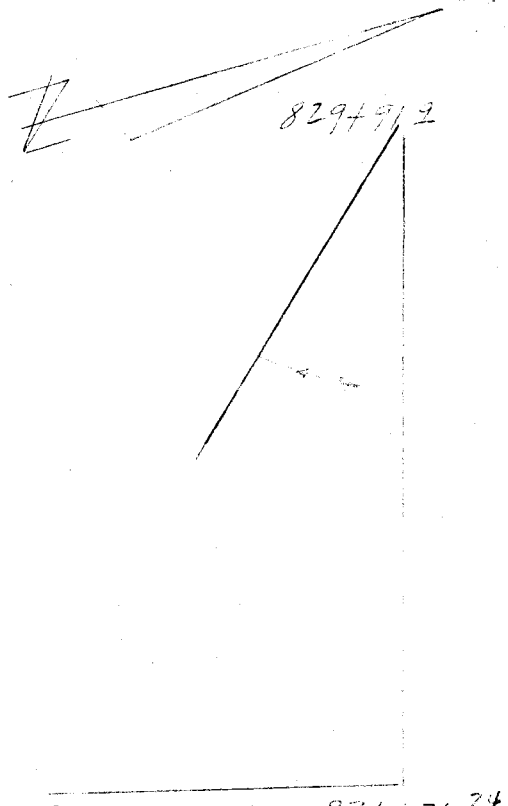
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 821+76.24

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					
829+91	N. 9°	10:35	1	56°	57'			
			2	55°	02'			
			3	53°	13'			8217612
			4	51°	12'			
			5	48°	31'			
			6	45°	17'			8217614
			7	42°	12'			
			8	38°	26'			
			9	34°	43'			8217616
			10	31°	38'			
			11	28°	22'			
			12	25°	36'			8217618
			13	22°	11'			
			14	19°	15'			
			15	15°	27'			8217620
		10:52	16	12°	59'			
				00	00			
				00	00			8217622
				00	00			
				00	00			
				00	00			8217624



Profile Notes Red. Plotted Job No. 33[illegible] Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3792 Pg. 31
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes Date 3-30-67
No. Date Date Map No. Indexed C. J. GALLI Date

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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					
				96	47			
				00	00			
				00	00			8217608
				00	00			
				00	00			
				00	00			8217610
				83	13			
				00	00			
				00	00			8217638
				00	00			
				00	00			
				00	00			8217640
				55	38			
				49	02			
				43	48			8217632
				35	06			
				22	34			
				16	49			8217634
				9	32			
				00	00			
				00	00			8217636

F. B. 3792 PG. 32 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.

76L298 307 10-51

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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.

STATION	B. S.	H. I.	F. S.	ELEV.	824+28 ON L.	RT.
	776	1275		499	T.P. FROM PREVIOUS PG	
			+01	129		43 BOT BANK
			+141	269		45 TOP "
			+125	253		68 GUT STREET
T.P.			706	569	T.P. ON ROCK	
T.P	126	625		499	T.P. ON STA. ROCK	
			16	46	~~3 FT~~	3FT RT MHW
			49	32	20 FT LEFT	
			~~8~~		CUT GUN 819+24.5 SIGHT ON 824+28°	
			81	18	#1 9° 06	
			88	-26	2 13 46	
			110	-48	3 18 11	
			132	-70	4 23 55	
			142	-80	5 27 58	
			155	-93	6 34 33	
		EST.	~~20+~~		~~7~~ 38 26	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6300.02 Division No. ____ F.B. 3792 Pg. 33
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
Notes Chkd ____ Checked ____ Survey by WILSON PREIER Notes ADAMS PREIER Date 3-30-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

765420A - CE 353A - Cdb 9-62

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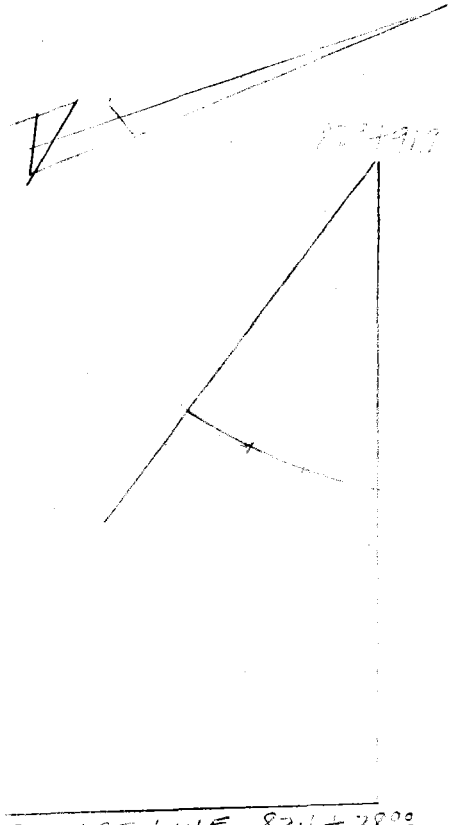
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 824+28.00

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					
[illegible]	[illegible]	10:56	1	61°	20'			
			2	[illegible]	36'			
			3	[illegible]	[illegible]			8242812
			4	[illegible]	[illegible]			
			5	[illegible]	36'			
			6	49°	22'			8242814
			7	45°	15'			
			7	41°	19'			
			9	[illegible]	14'			8242816
			10	34°	08'			
			11	30°	50'			
			[illegible]	27°	43'			8242818
			13	24°	36'			
			14	21°	03'			
		10:59	15	17°	33'			8242820
				00	00			
				00	00			
				00	00			8242822
				00	00			
				00	00			
				00	00			8242840



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 35
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-30-67
No. Date Date Map No. Indexed C. J. GALLI Date

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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					
				96	47			
				00	00			
				00	00			8242808
				00	00			
				00	00			
				00	00			8242810
				38	26			
				34	33			
				27	58			8242830
				23	55			
				18	11			
				13	46			8242832
				9	06			
				00	00			
				00	00			8242834
				00	00			
				00	00			
				00	00			8242836
				83	13			
				00	00			
				00	00			8242838

F. B. 3792 Pg. 36 Job No. 0333-32 Division No. 11 Notes Red. Plotted No. Profile

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

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

Indexed Date Date No.

76L298 307 10-51

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ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	826+79.76 N. L	R
	898	1467		569	T.P. FROM PREVIOUS PAGE	
			114	33		℄ FD 1x2
			98	49		13' GR. CH.
			07	140		48' BOT BANK
			+140	287		48 EDGE CONC PKING LOT
			+124	271		GUTTER STREET
T.P.			041	1426	T.P. Rock	
	066	635		569	T.P. 3E	
					CUT GUN 819+24.5	SIGHT ON 826+79.76
		(ESTIM.)	200	-136	#1 25° 11'	
			190	-126	2 21 26	
			178	-114	3 18 44	
			133	-69	4 15 04	
			102	-39	5 10 58	
			90	-26	6 7 08	
			80	-16	7 4 09	
			52	12	8 1 44	
			29	34		℄ ON SAND
			18	46		11 FT RT M.H.W.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 37
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of MALIBU AREA HYDRO
Survey by WILSON DREIER Notes ADAMS DREIER Date 3-30-67
Map No. ____ Indexed G. J. GALLI Date ____

76S420A - CE 353A - Cdb 9-62

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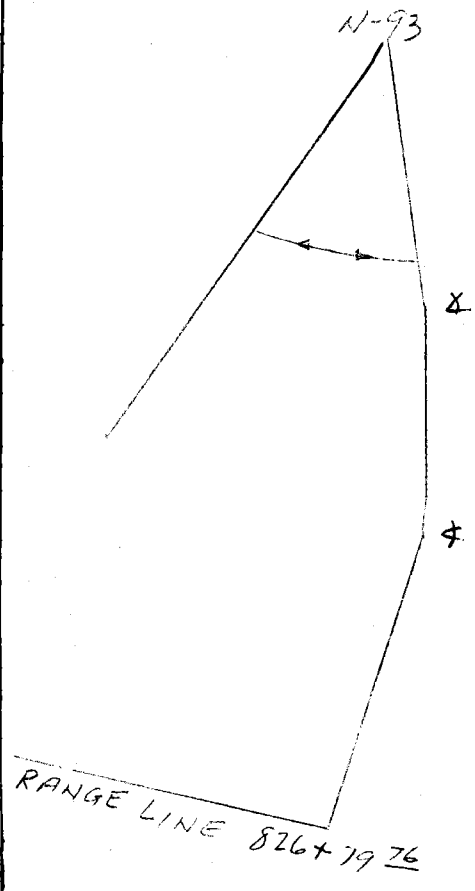
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

RANGE LINE 826+79.76

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-93	N-92	11:21	1	62°	41'			
			2	60°	47'			
			3	58°	59'			8268016
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	50°	48'			8268018
			7	47°	33'			
			8	45°	25'			
			9	42°	30'			8268020
			10	40°	05'			
			11	37°	45'			
			12	35°	55'			8268022
			13	34°	10'			
			14	32°	20'			
		11:25	15	30°	36'			8268024
				00	00			
				00	00			
				00	00			8268026
				00	00			
				00	00			
				00	00			8268044



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 39
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 3-30-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 3792 Pg. 40 Job No. 0300.02 Division No. 11 Notes Red. Date Notes Chkd. Date Notes Date

Survey of HYDROGRAPHIC SURVEY Date Checked Date

Survey by RICHARDS Notes J.G. Date

Indexed Date

Profile No. X-Sec. No.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				96	47			
				00	00			
				00	00			8268012
				00	00			
				00	00			
				00	00			8268014
				25	11			
				21	26			
				18	44			8268034
				15	04			
				10	58			
				7	08			8268036
				4	09			
				1	44			
				00	00			8268038
				00	00			
				00	00			
				00	00			8268040
				83	13			
				00	00			
				00	00			8268042

76L298 307 10-51

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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.	829+315 N. L R RIGHT
	348	17 74		1426	T.P. FROM PREVIOUS PAGE
T.B.M.			1017	757	℄ FD STATION ON ROCK
			83	99	12' B.O.T. SEA WALL
			38	139	13' TOP "
			+80	257	15' FLOOR BLDG
			14	163	71' GROUND UNDER BLDG AT FRONT
			+166	~~24 3~~ 34.3	79' GUTTER STREET
T.B.M			688	1086	P.O.T. 829+91.9 ELEV 10.86
	057	8 14		757	T.P. ON STA. ROCK
			35	46	9 FT LEFT M.H.W. IN ROCK RIP RAP
			60	21	24 " "
					CUT GUN AT 831+83 SIGHT ON 829+31
			80	01	#1 9° 40'
			108	-27	2 18 56
			112	-31	3 25 42
			160	-79	4 32 21
			179	-98	5 38 06

DATUM
MEAN LOWER LOW WATER

Profile Notes Red Plotted Job No. 0300.02 Division No.
No. Date Date Survey of MALIBU AREA HYDRO F.B. 3792 Pg. 41
X-Sec. Notes Chkd Checked Survey by WILSON BREIER Notes BREIER Date 3-30-67
No. Date Date Map No. Indexed C.J. GALL Date

76S420A - CE 353A - Cdb 9-62

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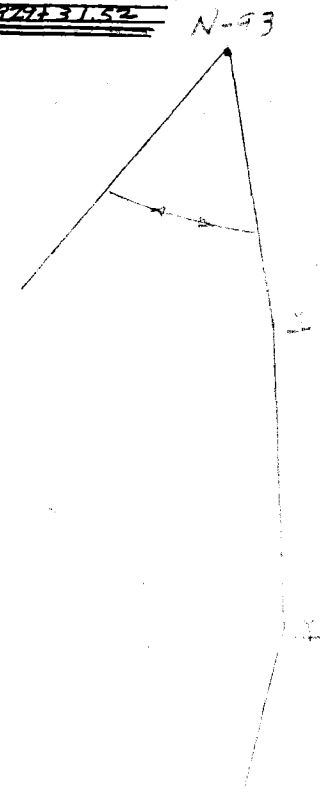
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-93	N-92	11:40	1	69°	06'			
			2	65°	52'			
			3	63°	20'			8293216
			4	60°	18'			
			5	56°	42'			
			6	53°	35'			8293218
			7	49°	58'			
			8	46°	16'			
			9	42°	55'			8293220
			10	40°	35'			
			11	38°	01'			
			12	36°	03'			8293222
			13	33°	41'			
			14	32°	11'			
		11:45	15	30°	05'			8293224
				00	00			
				00	00			
				00	00			8293226

RANGE LINE 829+31.52



RANGE LINE 829+31.52

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 43
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-30-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 3792 PG. 44 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

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

Indexed | Date | Date | Date | No.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				96	47			
				00	00			
				00	00			8293212
				00	00			
				00	00			
				00	00			8293214
				96	47			
				00	00			
				00	00			8293234
				00	00			
				00	00			
				00	00			8293236
				38	06			
				32	21			
				25	42			8293238
				18	56			
				9	40			
				00	00			8293240
				00	00			
				00	00			
				00	00			8293242

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	831+83³ N L	R.
829+91.9 T.B.M	550	1636		1086	FD L & C.E. TAG ON ROCK	
			1174	462	SET TBM ON ROCK	
			120	44	13⁵ LEFT BOT SEA WALL	
			55	109	13' TOP " "	
			43	121		℄
			+78	242		RIGHT 1' FLOOR OF BLDG
			36	128		8⁰ PILINGS "
			29	135		59' GR CH
			+73	242		81' FRONT FLOOR BLDG
T.B.M.			640	996	SET T.B.M. ON BOLT AT W. END OF SEA WALL	
	320	782		462		
					CUT GUN 829+31⁵ SIGHT ON 831+83³	
			170	92	1 48° 01'	
			154	76	2 43 09	
			158	80	3 35 15	
			158	80	4 25 32	
			110	32	5 17 58	
			95	17	6 11 43	
			74	04	7 (7° 36) 34 FT. L.	BASE OF ROCK RIP RAP

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.2 Division No. 11 F.B. 3792 Pg. 45
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
Notes Chkd ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-30-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

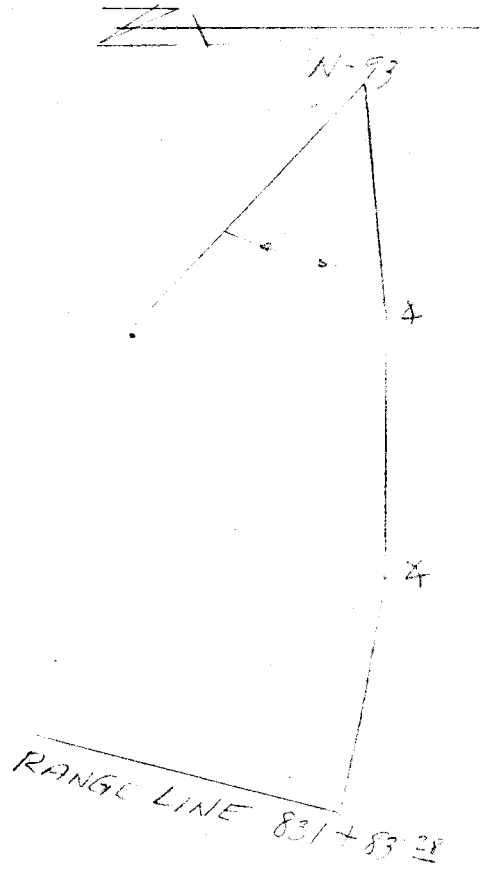
76S420A - CE 353A - Cdb 9-62

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 831+83.28

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-93	N-92	[illegible]		79°	13'			[illegible]
			2	77°	23'			
			3	75°	01'			8318316
			4	72°	14'			
			5	[illegible]	[illegible]			
			[illegible]	[illegible]	40'			8318318
			[illegible]	62°	[illegible]			
			[illegible]	58°	20'			
			[illegible]	53°	10'			8318320
			[illegible]	48°	45'			
			[illegible]	44°	38'			
			[illegible]	42°	08'			8318322
			13	39°	09'			
			14	36°	17'			
			[illegible]	34°	08'			8318324
			16	[illegible]	31'			
		12:14	[illegible]	[illegible]	36'			
				00	00			8318326
				00	00			
				00	00			
				00	00			8318328



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 47
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes J.G. Date 4-30-67
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. 3797 Pg. 48 Job No. 8300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed Date Date Date

Profile X-Sec.

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					
				96	47			
				00	00			
				00	00			8318312
				00	00			
				00	00			
				00	00			8318314
				48	01			
				43	09			
				35	15			8318336
				25	32			
				17	58			
				11	43			8318338
				00	00			
				00	00			
				00	00			8318340
				83	13			
				00	00			
				00	00			8318342
				00	00			
				00	00			
				00	00			8318344

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY	F. B 3792	Pg. 49
Map No.	JN 0300.02 Tape Std °F		
Office Work	Surveyed by RICHARDS		
Checked	Notes UHARRIET Date 4-3-67		
Date	Indexed C. J. GALLT		

TIDE GAGE READINGS
APRIL 3, 1967
TIME – P.S.T.
DATUM – M.L.L.W.

TIME	TIDE
6:00	
6:30	
7:00	
7:30	
8:00	
8:30	2.0
9:00	1.6
9:30	0.9
10:00	0.5
10:30	0.2
11:00	-0.1
11:30	-0.2
12:00	-0.4
12:30	-0.3
13:00	-0.2
13:30	0.2
14:00	0.3
15:00	1.5
16:00	2.4

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. 3792 PG 50

April 3, 1967

Predicted Tides

Observed Tide

6 4 2 0 2 4 6 8 10 12 1 2 4 6

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.

FORM 307 SM 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

STATION	B.S.	H.I.	F.S.	ELEV.	834+35	
T.B.M.	2.78	12.74'		996.	T.B.M. FROM PREVIOUS PAGE	
			860	414	21° Set 1X2 LEFT	RIGHT
			605	669.	●	& FD. 1X2 ⅝N
			24	103		38° GR. CH.
			+23	150		52° " "
			+27	154		68° " "
			+94	221		88° EDGE PAV
T.P.			628	646.	Rock	
	1.52	5.66'		414	T.P. 1X2 ● LEFT	
			11	46'	15 FT LEFT M	
			29	28. 03	30 GUN AT N-91	SIGHT ON 834+35
			60	-09	1 16° 01'	
			82	-25.	2 27 17	
			120	-63.	3 42 04	
			137	-80.	4 48 50	
			150	-93.	5 53 05	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red Plotted
No. Date Date
X-Sec. Notes Chkd. Checked
No. Date Date
Job No. Dylan No. 11
Survey of MALIBU AREA HWYS
Survey by WILSON Notes DREIER Date 4-8-47
Map No. Indexed C.J. GALLI Date
F.B. Pg. 51

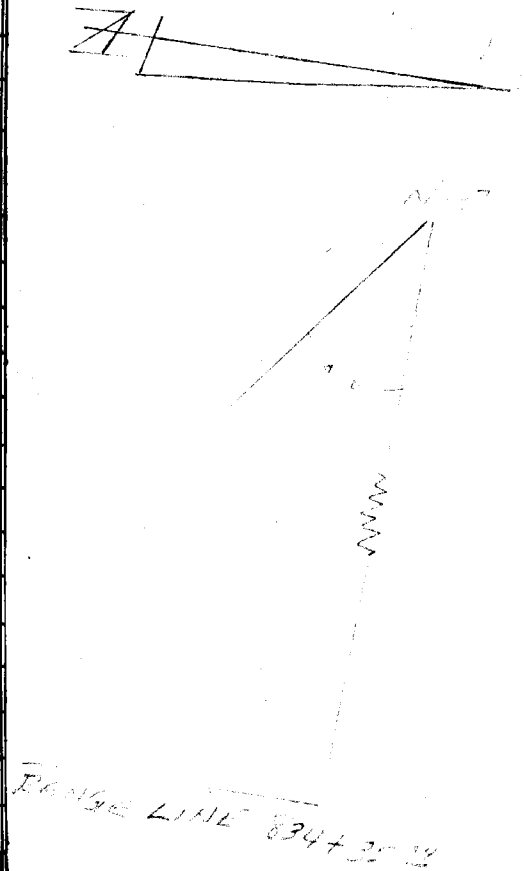
76S420A - CE 353A - Cdb 9-62

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 834+35.04

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-97	N-96	9:25	1	52°	06'			
			2	50°	34'			
			3	48°	45'			8343524
			4	46°	38'			
			5	44°	[illegible]			
			6	42°	[illegible]			8343526
			7	40°	55'			
			8	39°	34'			
			9	38°	26'			8343528
			10	37°	23'			
			11	36°	[illegible]			
			12	[illegible]	41'			8343530
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
		9:28	15	33°	37'			8343532
				00	00			
				00	00			
				00	00			8343534
				00	00			
				00	00			
				00	00			8447646



← Pg. 70

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 3797 Pg. 53
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 4-3-67
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					
				96	47			
				00	00			
				00	00			8343520
				00	00			
				00	00			
				00	00			8343522
				96	47			
				00	00			
				00	00			8343542
				00	00			
				00	00			
				00	00			8343544
				53	05			
				48	50			
				42	04			8343546
				27	17			
				16	01			
				00	00			8343548
				00	00			
				00	00			
				00	00			8343560

F. B. 3797 Pg. 54 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.

FORM 307 SM 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

STATION	B. S.	H. I.	F. S.	ELEV.	836 +86.6	
T.P.	302	948		646	T.P. FROM PREVIOUS PAGE	
			670	278	21° LEFT SET 1X2	RIGHT
			344	604		℄ ROCK
			43	52		6° BOT SEA WALL UNDER BLDG
			+55	150		6° TOP " "
			+43	138		58° GR. CH.
			+83	178		69° BOT. FOUNDATION FRONT BLDG
			+123	218		69° FLOOR BLDG
T.P.			635	313	ROCK	
	255	533		278	T.P. 1X2 21 FT LEFT	
					CUT GUN AT N-92	SIGHT ON 836+86.6
			178	-125	#1 42° 02'	
			155	-102	2 36 56	
			138	-85	3 30 43	
			118	-65	4 25 35	
			94	-41	5 17 40	
			78	-25	6 12 25	SOME ROCK
			63	-10	7 8 08	
			42	11	38 FT LEFT	
			07	46	℄	20 FT RT M.H.W.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Date ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____
Job No. 0300.02 Division No. 11
Survey of MALIBU AREA HYDRO.
Survey by WILSON BREIER Notes ADAMS BREIER Date 4-3-67
Map No. ____ Indexed C. J. GALLA Date ____
F.B. 3792 Pg 53

F.B. 192 Pg. 56 Job No. 9300.02 Division No. 11 Notes Red. Plotted Profile

Survey of MALIBU AREA HYDRO Date Date No.

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

Indexed Date Date Date No.

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

FORM 307 SM 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line

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

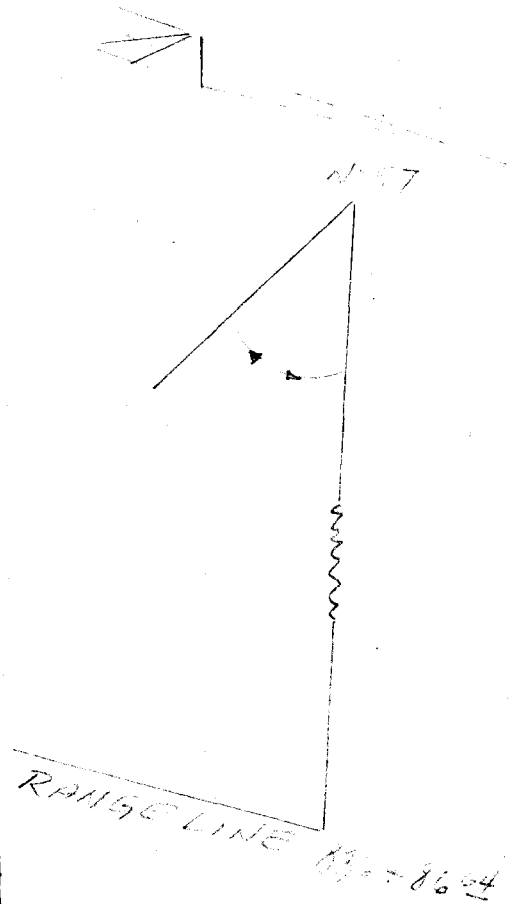
76S420A - CE 353A - Cdb 9-62

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 836+86.64

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-97	N-96	9:35	1	50°	15'			
			2	48°	[illegible]			
			3	46°	30'			8368722
			4	44°	11'			
			5	42°	10'			
			6	[illegible]	[illegible]			8368724
			7	[illegible]	38'			
			8	[illegible]	[illegible]			
			9	35°	55'			8368726
			10	[illegible]	11'			
			11	34°	18'			
			12	33°	42'			8368728
			13	32°	54'			
		9:39	[illegible]	~~BEHIND RICKS~~ 00	00			
				00	00			8368730
				00	00			
				00	00			
				00	00			8368732
				00	00			
				00	00			
				00	00			8368750



Profile Notes Red. ____ Plotted ____ Job No. 5300.02 Division No. 11 F. B. 3797 Pg. 57
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 4-3-67
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. 3712 Pg. 58 Job No. 8300.02 Division No. 11 Notes Red. Date Plotted Date No.

Survey of HYDROGRAPHIC SURVEY Notes Date X-Sec.

Survey by RICHARDS Notes T.S. Notes Chkd. Date Checked Date No.

Indexed Date

Profile

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					
				85	37			
				00	00			
				00	00			8368718
				00	00			
				00	00			
				00	00			8368720
				85	37			
				00	00			
				00	00			8368740
				00	00			
				00	00			
				00	00			8368742
				42	02			
				36	56			
				30	43			8368744
				25	35			
				17	40			
				12	25			8368746
				8	08			
				00	00			
				00	00			8368748

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	839+376	
	542	856		314	T.P. FROM PREVIOUS PAGE	
			542	314		℄ 1 X 2 & N RIGHT
			36	50.		25° GR. CH.
			13	73.		37° PILING BLDG
			+68	154.		62° BOT SEAWALL UNDER BLDG
			+15°	236.		64° FLOOR BLDG AT FRONT
T.P.			556	300	ROCK	
	198	512		314	T.P.	
			05	46.		14' RT. M.H.W
			50	61.	32 FT. LEFT	BEGIN ROCK
			61	-10.	45 " "	
					CUT GUN ON N-92	SIGHT ON N-91
			77	-26.	#1 20° 19'	
			81	-30.	2 32 34	
			111	-60.	3 48 07	
			125	-74.	4 54 42	
			155	-104.	5 59 30	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 59
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
Notes Chkd. ____ Checked ____ Survey by DREIER Notes ADAMS DREIER Date 4-3-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GAIN Date ____

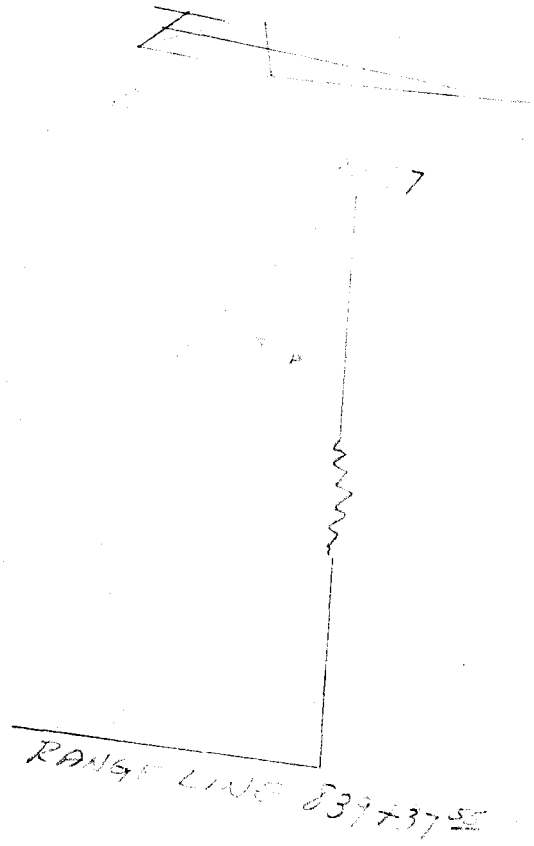
76S420A - CE 353A - Cdb 9-62

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 839 + 37.55

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-97	N-96	9:43	1	55°	45'			
			2	54°	22'			
			3	52°	52'			8393822
				50°	51'			
			4	[illegible]	[illegible]			
			6	47°	31'			8393824
			7	45°	45'			
			8	44°	50'			
			9	42°	27'			8393826
			10	40°	48'			
			11	39°	09'			
			12	38°	04'			8393828
			13	[illegible]	[illegible]			
			14	36°	09'			
			15	35°	20'			8393830
			16	34°	31'			
			17	33°	26'			
		9:48	18	32°	31'			8393832
				00	00			
				00	00			
				00	00			8393834



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1112 Pg. 61
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes J.G. Date 4-3-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.T. GWIN 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. 3912 Pg. 62 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | No.

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

Survey by Richards | Notes T. 9 | Notes Chkd. | Checked | No.

Indexed | Date | Date | Date

INST. AT	SIGHT ON	TIME	ANGLE NO	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD NO.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				85	07			
				00	00			
				00	00			8393818
				00	00			
				00	00			
				00	00			8393820
				85	07			
				00	00			
				00	00			8393842
				00	00			
				00	00			
				00	00			8393844
				59	30			
				54	42			
				48	07			8393846
				32	34			
				20	19			
				00	00			8393848
				00	00			
				00	00			
				00	00			8393850

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	841+94.3	
T.P.	640	940		300	T.P. FROM PREVIOUS PAGE	
T.B.M. 5J			128	812.	FD. LGE. BT. SPK. IN PILING, S.E. COR BLDG #20700	
			692	248.	LEFT SET 1X2	
			462	478.		℄ CHIS "X" ON ROCK
			49	45.		BOT PILINGS 8° UNDER BLDG
			21	73.		20° BOT SEA WALL
			+24	118.		21° TOP " "
			+159	253.		AT FRONT 83° FLOOR BLDG
T.P.			380	560.	Rock	
	201	449.		248	T.P.	
					CUT GUN ON N-93 SIGHT ON N-92	
			151	-106.	#1 67° 36'	
			129	-84.	2 57 16	ROCKS
			96	-51.	3 44 08	
			65	-20.	4 28 30	
			52	-07.	5 18 41	
			40	05.	50 FT LEFT	
			+01	46.		8 FT. RT. M.H.W

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 PG. 63
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
Notes Chkd ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 4-3-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

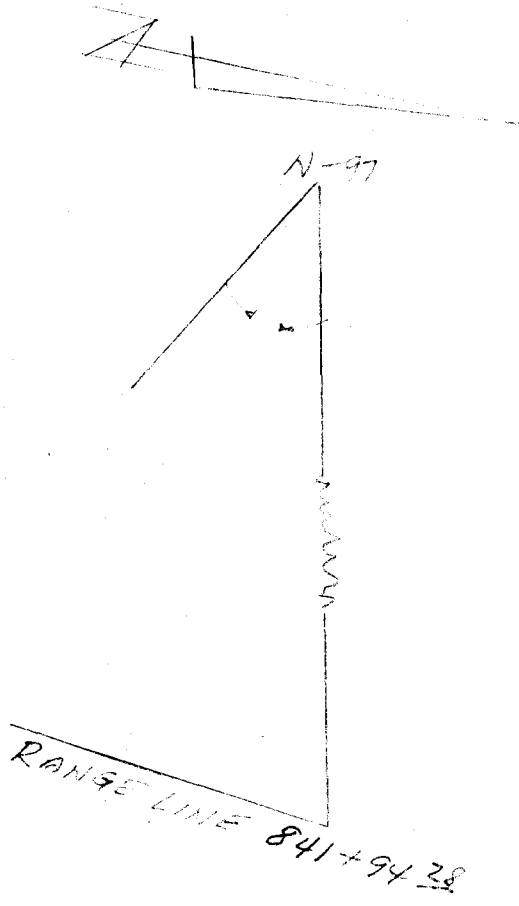
765420A - CE 353A - Cdb 9-62

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 841+94.28

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-97	N-96	9:56	1	54°	18'			
			2	52°	17'			
			3	50°	13'			8419420
			4	48°	30'			
			5	46°	35'			
			6	44°	57'			8419422
			7	43°	28'			
			8	41°	50'			
			9	39°	57'			8419424
			10	38°	45'			
			11	37°	51'			
			12	36°	55'			8419426
			13	36°	07'			
			14	35°	17'			
			15	34°	33'			8419428
			16	34°	07'			
		9:59	17	33°	16'			
				00	00			84194 30
				00	00			
				00	00			
				00	00			8419432



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 3772 Pg. 65
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes J.G. Date 4-3-67
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					
				61	24			
				00	00			
				00	00			8419416
				00	00			
				00	00			
				00	00			8419418
				61	24			
				00	00			
				00	00			8419440
				00	00			
				00	00			
				00	00			8419442
				67	36			
				57	16			
				44	08			8419444
				28	30			
				18	41			
				00	00			8419446
				00	00			
				00	00			
				00	00			8419448

F. B. 3792 PG. 66 Job No. 0300-02 Division No. 11 Notes Red. Plotted Profile

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

Survey by [illegible] 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.	844+~~47.7~~ 75.64 N	R
T.P.	654	1214		560.	T.P. FROM PREVIOUS PAGE	
			1027	187	67° LEFT 1 x 2	
			46	75		℄ SAND
			+31	152.		60° GR. CH.
			+175	296		93° EDGE PVMT
T.P.			876	338.		
	330	517.2		187.	1 x 2 67° LEFT	
			06	46.	28 FT LEFT MH.W.	
			36	16.	67 " " BEGIN ROCKS SOME 6-8 FT MCH	
			50	02.	80 " " SAND BETWEEN ROCKS	
			60	-08.	120 " " " " "	
					CUT GUN AT 849+83.2 SIGHT ON 844+75.6	
			71	-19.	#1. 17° 52' " ROCKY	
			93	-41.	2 21 43 "	
			132	-80	3 31 45 "	
			137	-85.	4 35 12	
			155	-103.	5 38 26	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 PG. 67
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 4-3-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

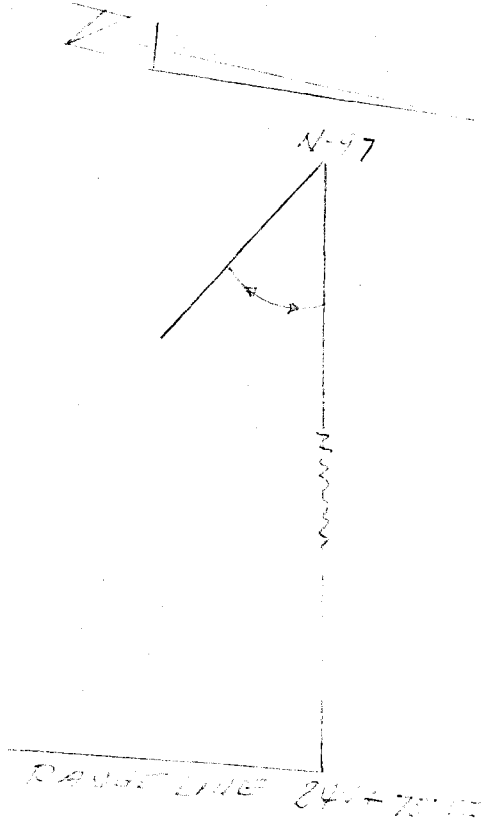
765420A - CE 353A - Cdb 9-62

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 844+75.64

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-97	[illegible]6	10[illegible]	1	63°	58'			
			2	[illegible]°	[illegible]'			
			3	60°	50'			8447618
			4	58°	50'			
			5	57°	59'			
			6	55°	01'			8447620
			7	53°	08'			
			8	[illegible]°	[illegible]'			
			9	[illegible]°	[illegible]'			8447622
			10	[illegible]°	[illegible]'			
			11	[illegible]°	[illegible]'			
			12	[illegible]°	[illegible]'			8447624
			13	41°	45'			
			14	40°	22'			
			15	39°	17'			8447626
			16	38°	25'			
			17	37°	29'			
			18	36°	54'			8447628
			19	[illegible]°	14'			
		10[illegible]8	20	[illegible]°	49'			
				00	00			8447628



Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of HYDRAULIC
X-Sec. Notes Chkd. Checked Survey by Notes Date 4-3-67
No. Date Date Map No. Indexed C. J. GALLI Date
F. B. 3192 Pg. 69

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. 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					
				80	06			
				00	00			
				00	00			8447614
				00	00			
				00	00			
				00	00			8447616
				60	00			
				00	00			
				00	00			8447630
				80	06			
				00	00			
				00	00			8447638
				00	00			
				00	00			
				00	00			8447640
				38	26			
				35	12			
				31	45			8447642
				21	43			
				17	52			
				00	00			8447644

F. B. 3792 PG. 70 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.

(See Page 53.)

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.	847 + 29.4 N (A) (R)
T.P.	1012	1350		338.	T.P. FROM PREVIOUS PAGE
			1108	242.	79° LEFT 1X2
			29	106.	℄ SAND RIGHT
			+15	150.	41 BOT BANK
			+121	256.	58° TOP "
			+110	245.	64° EDGE PVMT
T.P.			1078	272.	ROCK
	225	467.		242	1X2 79 LEFT
					CUT GUN AT 849+83.2 SIGHT 847+29.4
			167	-120.	#1 67° 51
			138	-91.	2 63 14
			115	-68.	3 59 13
			115	-68.	4 52 01 BEGIN ROCKS
			70	-23.	5 42 06
			55	-08.	6 31 10
			37	10.	100 FT LEFT
			01	46.	52 FT " M.H.W

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 71
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by DREIER Notes ADAMS DREIER Date 4-3-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

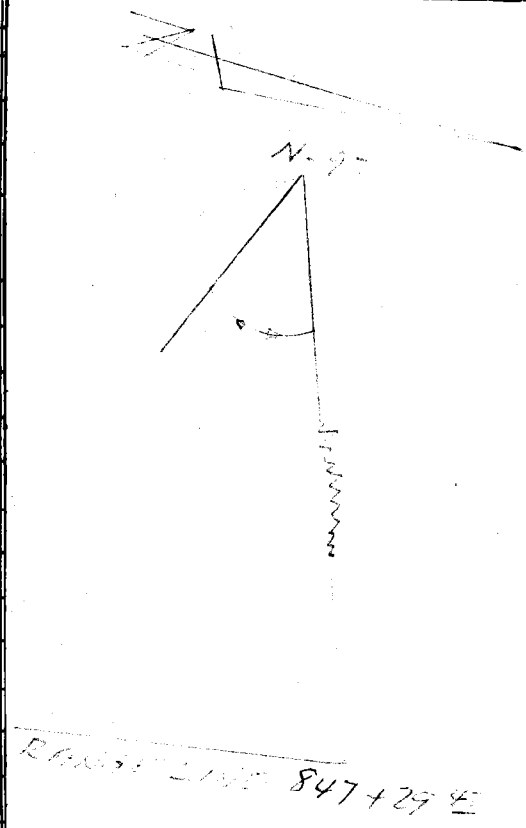
76S420A - CE 353A - Cdb 9-62

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 847+29.42

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-97	[illegible]-16	[illegible]	1	58°	3[illegible]			
			2	[illegible]	21'			
			3	53°	33'			8472918
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			8472920
			7	44°	48'			
			8	[illegible]	20'			
			9	[illegible]	[illegible]			8472922
			10	[illegible]	34'			
			11	[illegible]	[illegible]			
		[illegible]	12	[illegible]	[illegible]			8472924
				00	00			
				00	00			
				00	00			8472926
				80	06			
				00	00			
				00	00			8472914
				00	00			
				00	00			
				00	00			8472916



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. H
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes 2[illegible] Date 4-3-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3792 Pg. 73

F. B. 3792 PG. 74 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 LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
				80	06			
				00	00			
				00	00			8472934
				00	00			
				00	00			
				00	00			8472936
				67	51			
				63	14			
				59	13			8472938
				52	01			
				42	06			
				31	10			8472940
				00	00			
				00	00			
				00	00			8472942

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.	849 + 83² N (L) (R)
T.P.	1012	1284		272	T.P. FROM PREVIOUS PAGE
			964	320	80° LEFT 1 x 2
			30	98	℄ SAND
			15	113	38° RIGHT BOT. BANK
			+85	213	55° TOP BANK
			+80	218	57° EDGE. PVMT.
T.P.			981	303	1 x 2
	101	421		320	1 x 2 80 FT L
			+04	46	62 FT LEFT M.H.W.
			24	18	100 " "
			40	02	140
			49	-07	160
			57	-1 5	CUT GUN ON 847+29± SIGHT ON 849+83²
			84	-42	#1 35° 14'
			? ~~142~~	~~-100~~	2 43 14
			127	-85	3? 46° 55'
			160	-118	4 50 13
					5 53 34

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 AREA HYDRO Survey by WILSON DREIER Notes ADAMS DREIER Date 4-3-67 Map No. Indexed C. J. GALLI Date

F.B. 3792 Pg. 75

76S420A - CE 353A - Cdb 9-62

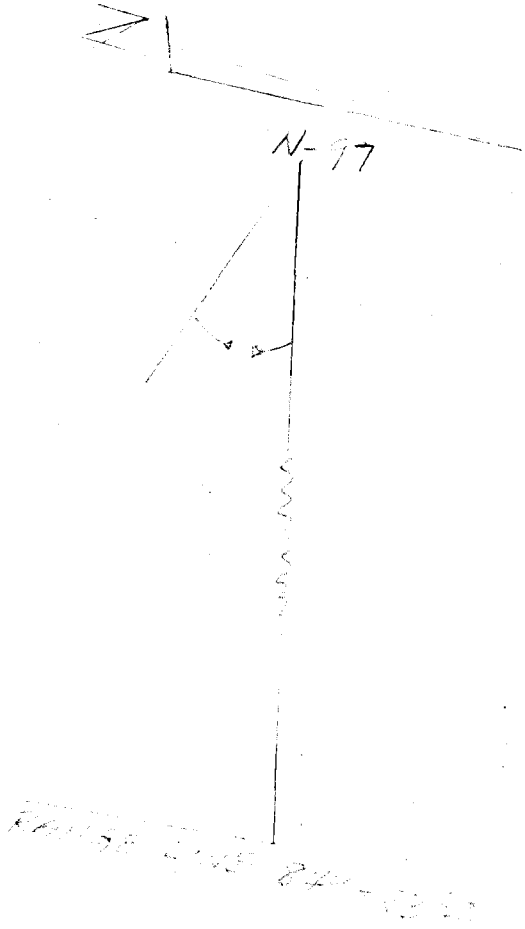
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 849+83.20

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-97	N-96	10:31	1	62°	32'			
			2	59°	57'			
			3	[illegible]	[illegible]			8498318
			4	[illegible]	[illegible]			
			5	51°	32'			
			6	[illegible]	[illegible]			8498320
			7	[illegible]	30'			
			8	[illegible]	[illegible]			
			9	44°	23'			8498322
			10	42°	5'			
			11	41°	41'			
			12	43°	45'			8498324
		10:34	13	39°	35'			
				00	00			
				00	00			8498326
				00	00			
				00	00			
				00	00			8498328
				00	00			
				00	00			
				00	00			8523544

← Pg. 82.



Profile Notes Red. Plotted Job No. 0300.02 Division No. 4
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3774 Pg. 77
X-Sec. Notes Chkd. Checked Survey by [illegible] Date 4-3-67
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. 3792 Pg. 78 | Job No. 0300.02 Division No. 11 Notes Red. Plotted. No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes F.G. Notes Chkd. Checked No.

Indexed Date Date Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				80	06			
				00	00			
				00	00			8498314
				00	00			
				00	00			
				60	00			8498316
				53	34			
				50	13			
				46	55			8498336
				43	14			
				35	14			
				00	00			8498338
				00	00			
				00	00			
				00	00			8498340
				99	54			
				00	00			
				00	00			8498342
				00	00			
				00	00			
				00	00			8498344

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.	852+348 N (L)	(R)
T.P.	1033	1336		303.	T.P. FROM PREVIOUS PAGE	
			1033	303.	66° LEFT 1 x 2	
			30	104.		℄
			10	124.		25° BOT SEA WALL
			+43	177.		25° TOP " "
			+26	160.		26° W/OOD DECK
			+26	160.		36° FLOOR BLDG
— T.P.			1122	214.	ROCK	
					CUT GUN AT N-94	SIGHT ON N-95
	215	518.		303.	1 x 2 66 FT LEFT	
			170	- 118.	#1 74° 00'	
			139	- 87.	2 68 26	
			135	- 83.	3 66 38	
			90	- 38.	4 62 27	
			75	- 23.	5 54 55	
			60	- 08.	6 45 12	
			45	07.	7 35 40	
			10	42.	50 FT L.	
			06	46.	45 FT LEFT, M.H.W.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted. Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 79
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO. Date 4-3-67
No. Notes Chkd. Checked Survey by DREIER Notes DREIER
No. Date Date Map No. Indexed C.J.GALL Date

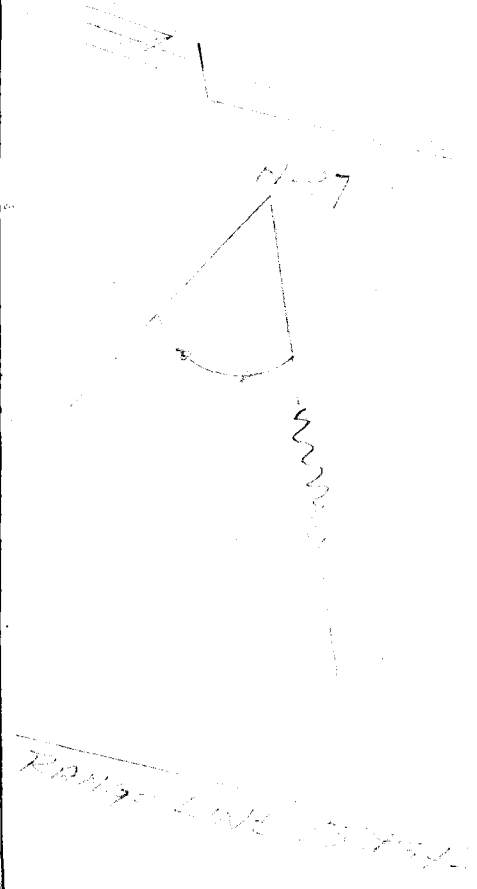
765420A - CE 353A - Cdb 9-62

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 852+34.81

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					
[illegible]-37	11-76	10:41	1	67°	25'			
			2	64°	53'			
			3	62°	31'			8523516
			4	60°	07'			
			5	57°	28'			
			6	55°	16'			8523518
			7	52°	56'			
			8	50°	50'			
			9	48°	43'			8523520
			10	46°	57'			
			11	45°	14'			
			12	43°	12'			8523522
			13	41°	53'			
			14	40°	00'			
			15	38°	42'			8523524
			16	37°	17'			
				00	00			
				00	00			8523526
				00	00			
				00	00			
				00	00			8523528



Profile Notes Red. Plotted Job No. Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3792 Pg. 81
X-Sec. Notes Chkd. Checked Survey by Notes Date
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					
				93	53			
				00	00			
				00	00			8525312
				00	00			
				00	00			
				00	00			8525314
				74	00			
				68	26			
				66	38			8525336
				62	27			
				54	55			
				45	12			8525338
				35	40			
				00	00			
				00	00			8525340
				00	00			
				00	00			
				00	00			8525340
				86	07			
				00	00			
				00	00			8525342

F. B. 3792 Pg. 82 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by [illegible] Notes J.G. Notes Chkd. Checked

Indexed Date Date Date No.

remaining card. Pg. 77

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.	854+85 4 N (L)	(R)
	11.59	13.73		214.	T.P. FROM PREVIOUS PAGE	
			1080	293.	75° 1X2	
			25	112		℄ SAND
			18	119		12° BOT SEAWALL
			+1.1	148		13° TOP "
			+08	145		25° BLDG LINE
T.P.			11 01	272.	Rock	
	239	532		293.	1X2 75' FT LT.	
			07	46.	58 FT LEFT M.H.W.	
			57	-04.	100 FT LEFT	ROCK
			~~68~~		GUN AT N-94	SIGHT N-95
			68	-15.	1 18° 39'	
			70	-17.	2 22 27	
			97	-44.	3 29 51	
			110	-57.	4 38 42	
			155	-102.	5 44 36	

DATUM
MEAN LOWER LOW WATER

Profile Noted Red _____ Plotted _____ Job No. 6300,02 Division No. 11 F.B. 3792 Pg. 83
No. X-Sec. Date _____ Date _____ Survey of MALIBU AREA HYDRO 1
No. _____ Notes Chkd. _____ Checked _____ Survey by DREUER Notes ADAMS/DREUER Date 4-3-67
Date _____ Date _____ Map No. _____ Indexed G. J. GALLI Date _____

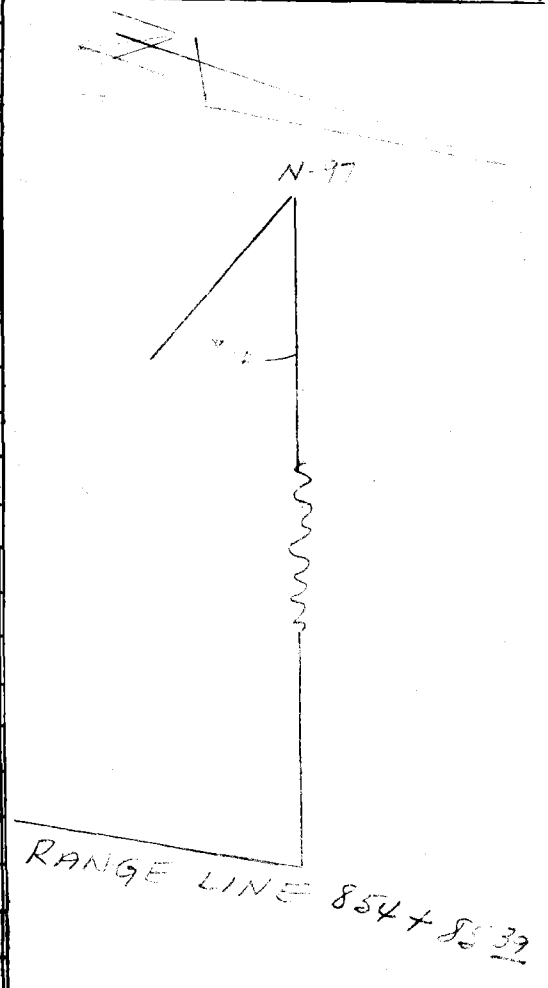
765420A - CE 353A - Cdb 9-62

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 854+85.39

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-97	N-96	10:51	1	70°	19'			
			2	67°	38'			
			3	64°	55'			8548516
			4	62°	31'			
			5	60°	03'			
			6	57°	40'			8548518
			7	54°	31'			
			8	51°	41'			
			9	48°	55'			8548520
			10	46°	58'			
	DELAY	10:54	11	44°	54'			
		11:02	12	47°	06'			8548522
			13	45°	32'			
			14	43°	20'			
			15	41°	02'			8548524
			16	40°	29'			
		11:04	17	38°	51'			
				00	00			8548526
				00	00			
				00	00			
				00	00			8548528



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.
Pg. 85

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3792 Pg. 86 | Job No. 030.02 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 LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				93	53			
				00	00			
				00	00			8548512
				00	00			
				00	00			
				00	00			8548514
				44	36			
				38	42			
				29	51			8548536
				22	27			
				18	39			
				00	00			8548538
				00	00			
				00	00			
				00	00			8548540
				86	07			
				00	00			
				00	00			8548542
				00	00			
				00	10			
				00	00			8548544

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.	857+35.92 N L R
	11.02	13.74		2.72	T.P FROM PREVIOUS PAGE
			9.75	3.99	64° LEFT 1X2
			26	11.1	℄ SAND
			26	11	24° BOT SEA WALL
			+24	16.1	25° TOP "
			+55	19.2	53° BLDG LINE
T.B.M #6			036	13.38	FD LGE. BT. SPK. IN PILING AT REAR HSE # 20920 ELEV 13.38
	1.79	5.78		3.99	1X2 64 LEFT
					CUT GUN AT N-94 SIGHT N-95
			17.5	-11.7	#1 28° 14'
			12.0	-6.2	2 24 24
			9.7	-3.9	3 21 25
			8.0	-2.2	4 17 23
			6.3	0.5	5 13 47
			4.4	1.4	110 FT LEFT
			2.0	3.8	65 " "
			1.2	4.6	56 " " MHW
			+.9	10.8	10 " " TOP BCK

DATUM MEAN LOWER LOW WATER

Profile Notes Rod Plotted Job No. 63W.02 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO.
No. Notes Chkd. Checked Survey by BREECE Notes ADAMS Date 4-3-67
Date Date Map No. Indexed C.J. GALLI Date

F.B. 3792 Pg. 87

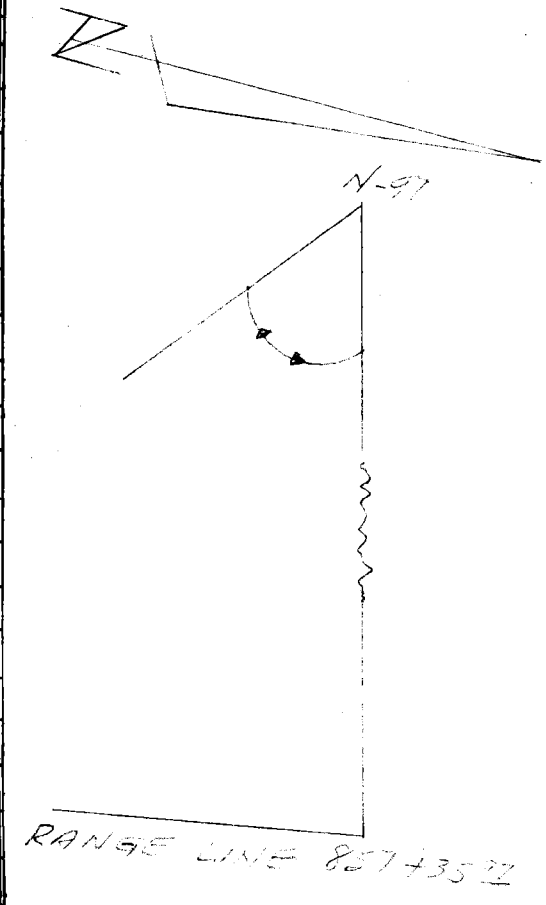
76S420A - CE 353A - Cdb 9-62

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 857+35.97

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-97	N-96	11:11	1	72°	59'			
			2	[illegible]	[illegible]			
			3	72°	14'			8573616
			4	[illegible]	[illegible]			
			5	66°	09'			
			6	62°	37'			8573618
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9		[illegible]			8573620
			10	48°	08'			
			11	45°	55'			
			12	[illegible]	[illegible]			8573622
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			8573624
		11:15	[illegible]	[illegible]	[illegible]			
				00	00			
				00	00			8573626
				00	00			
				00	00			
				00	00			8573628



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 89
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-3-67
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					
				93	53			
				00	00			
				00	00			8573612
				00	00			
				00	00			
				00	00			8573614
				28	14			
				24	24			
				21	25			8573636
				17	23			
				13	47			
				00	00			8573638
				00	00			
				00	00			
				00	00			8573640
				86	07			
				00	00			
				00	00			8573642
				00	00			
				00	00			
				00	00			8573644

F. B. 3792 PG. 90 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.

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.	859+866 M. L	R
T.B.M.	099	1437		1338.	AT REAR. HSE #20924	
			1102	335.	LAFT 69° 1X2	
			33	111.		℄ SAND
			33	111.		27° BOT SEA WALL
			00	144.		28° TOP
			+42	186.		46° GR. CH.
			+45	189.		76° BLDG LINE
- T.P.			297	1140.	ROCK	
			35	109.	12 FT LEFT TOP BRK	
	238	573		335	1x2 69 LEFT	
			04	53.	50 FT LEFT	
			11	46.	56 " " MHW	
			40	17.	100 " "	
			51	06.	130 " "	
					CUT GUN AT N-94	SIGHT ON 859+866
			75	-18.	# 1 37° 46'	
			102	-45.	2 48 05	
			140	-83.	3 52 56	
			150	-93.	4 56 03	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red _____ Plotted _____ Job No. 0300.02 Division No. 11
No. _____ X-Sec. _____ Date _____ Date _____ Survey of MALIBU AREA HYDRO
No. _____ Notes Chkd. _____ Date _____ Checked _____ Survey by DREIER Notes [illegible] Date 4-3-67
Date _____ Date _____ Map No. _____ Indexed C.J. DALY Date _____

F.B. 3792 Pg. 91

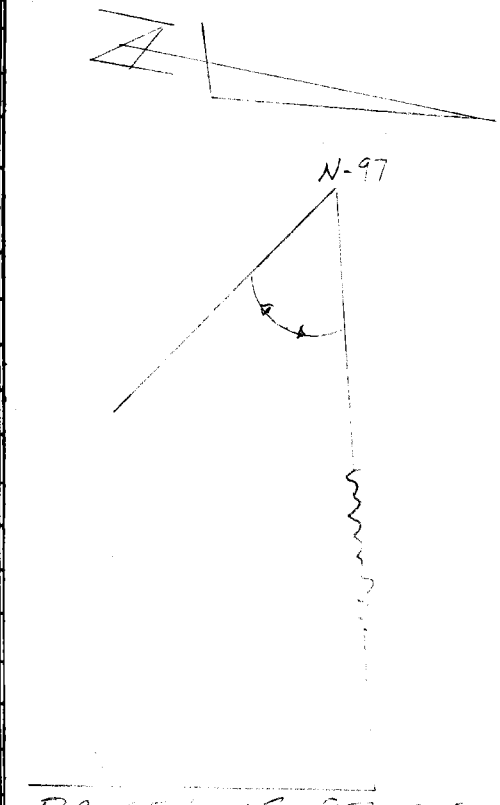
765420A - CE 353A - Cdb 9-62

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 859+86.55

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-97	N-96	11:21	1	83°	09'				
			2	80°	05'				
			3	76°	23'				8598716
			4	73°	20'				
			5	69°	33'				
			6	66°	26'				8598718
			7	62°	45'				
			8	59°	08'				
			9	54°	32'				8598720
			10	51°	25'				
			11	47°	43'				
			12	45°	39'				8598722
			13	42°	47'				
			14	40°	24'				
			15	37°	46'				8598724
		11:35	16	35°	21'				
				00	00				
				00	00				8598726
				00	00				
				00	00				
				00	00				8598728



Profile
Notes Red. No. Date
X-Sec. Notes Chkd. No. Date
Plotted Date
Checked Date
Job No. 0300.02 Division No. 1
Survey of HYDROGRAPHIC SURVEY
Survey by RICHARDS Notes J.G. Date 4-3-67
Map No. Indexed C.J. GALLI Date
F. B. 3792 Pg. 93

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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					
				93	53			
				00	00			
				00	00			8598712
				00	00			
				00	00			
				00	00			8598714
				56	03			
				52	56			
				48	05			8598736
				37	46			
				00	00			
				00	00			8598738
				00	00			
				00	00			
				00	00			8598740
				86	07			
				00	00			
				00	00			8598742
				00	00			
				00	00			
				00	00			8598744

F. B. 3792 PG. 94 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.	862 + 37 L	
T.P.	298	1438		1140	T.P. FROM PREVIOUS PAGE	
			1060	378	71° LEFT 1X2	
			33	111		℄ SAND
			31	113		RIGHT 17° BOT SEA WALL
			+05	149		18° TOP " "
			+09	153		55° BLDG LINE
T.P.			067	1371	Rock	
		?	5	109	19 FT LEFT TOP BR	
				88	25 " " BOT BR TOP SLOPE	
					?	
					CUT GUN AT 859+86.5	SIGHT ON 862+37'
	158	536		378	1X2 71 FT LEFT	
			142	-88	#1 36° 47'	
			115	-61	2 32 33	
			90	-36	3 28 15	
			75	-21	4 22 45	
			52	02	5 15 41	
			37	17	93 FT	
			08	46	63 MHW	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 Survey of MALIBU AREA HYDRO. Survey by DREIER Notes ADAMS DREIER Date 4-3-67 Map No. ____ Indexed G. J. GALLI Date ____

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

F.B. 3792 Pg 95

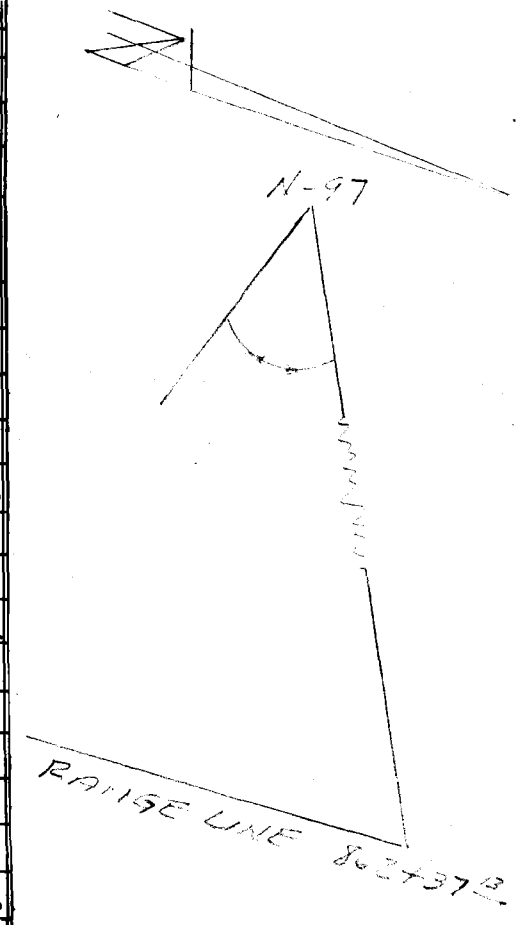
765420A - CE 353A - Cdb 9-62

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 862+37.13

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-97	N-96	11:34	1	83°	04'			
			2	81°	05'			
			3	77°	41'			8623716
			4	74°	01'			
			5	73°	25'			
			6	61°	10'			8623718
			7	55°	45'			
			8	53°	31'			
			9	48°	50'			8623720
			10	45°	25'			
			11	41°	48'			
			12	38°	15'			8623722
			13	34°	11'			
		11:[illegible]	14	32°	49'			
				00	00			8623724
				00	00			
				00	00			
				00	00			8623726



Profile Notes Rod Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 97
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-3-67
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					
				93	53			
				00	00			
				00	00			8623712
				00	00			
				00	00			
				00	00			8623714
				36	47			
				32	33			
				28	15			8623734
				22	45			
				15	41			
				00	00			8623736
				86	07			
				00	00			
				00	00			8623738
				00	00			
				00	00			
				00	00			8623740

F. B. 3792 PG. 98 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. 30002 Division No. 11 F.B. 3792 Pg. 99
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO.
No. Notes Chkd. Checked Survey by DREIER Notes by ADAMS Date 4-3-67
No. Date Date Map No. Indexed C. J. GALLI Date

STATION	B. S.	H. I.	F. S.	ELEV.	864 + 89.3 N (L) (R)
TP	0 08	13.79		13 71	T.P. FROM PREVIOUS PAGE
			9.00	4 79	41' LEFT 1X2
			20	1 18	℄ SAND
			25	1 13	31° BOT SEA WALL
			+07	1 45	32° TOP EDGE CONC PAVING
			+11	1 49	56° BLDG LINE
T.P.			830	5 49	Rock
				11 7	4 FT LEFT TOP BRK
				10 3	5 FT " BOT " TOP SLOPE
					CUT GUN A 869+95 SIGHT ON 864+89.3
	1 08	5 87		4 79	1X2 41 FT LEFT
			13	4 6	38 FT LEFT M.H.W.
			37	2 2	70 "
					CUT GUN AT 869+95' SIGHT ON 864+89.3
			6 8	- 0 9	#1 14° 09'
			8 0	- 2 1	2 18 40
			9 2	- 3 3	3 25 05
			11 3	- 5 4	4 32 01
			15 4	- 9 5	5 36 14
			15 0	- 9 1	6 39 25

DATUM
MEAN LOWER LOW WATER

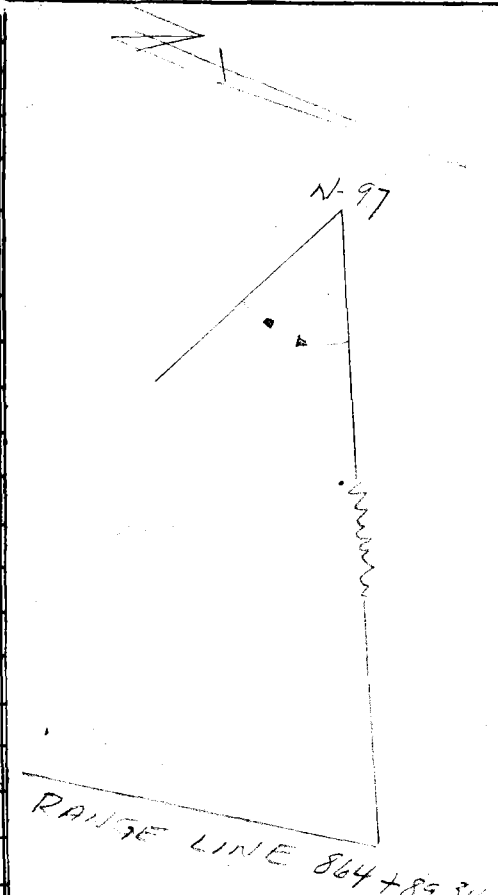
76S420A - CE 353A - Cdb 9-62

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 864+89.34

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-97	N-96		1	93°	09'			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			8648914
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	78°	59'			8648916
			[illegible]	74°	55'			
			8	[illegible]	59'			
			9	[illegible]	[illegible]			8648918
			[illegible]	61°	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			8648920
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			8648922
			[illegible]	[illegible]	[illegible]			
				00	00			
				00	00			8648924
				00	00			
				00	00			
				00	00			8648926



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 101
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes [illegible] Date 4-3-67
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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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.

F. B. 3792 Pg. 102 Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed 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					
				81	22			
				00	00			
				00	00			8648910
				00	00			
				60	00			
				00	00			8648912
				81	22			
				00	00			
				00	00			8648934
				00	00			
				00	00			
				00	00			8648936
				39	25			
				36	14			
				32	01			8648938
				25	05			
				18	40			
				14	09			8648940
				00	00			
				00	00			
				00	00			8648942

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 230002 Division No. 11 F.B. 3792 Pg. 103
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by DREIER Notes DREIER Date 4-3-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	867+42 2N (L)	(R)
	665	1214		549		
			850	364	56' LEFT 1x2	
			28	93	2' SAND	
			10	111		& ROCK RIGHT
			10	111		1' BOT SEAWALL
			+46	167		2' TOP "
			+56	177		5' EDGE PATIO
			+58	179		18' BLDG LINE
T.P.			415	799	ROCK	
	175	539		364	1x2 56 FT LEFT	
			08	46	44 FT LEFT	
			43	11	80 "	
					CUT GUN AT 869+95 SIGHT ON 867+42	
			57	-03	#1 29° 54'	
			70	-16	2 37 29	
			115	-61	3 49 12	DATUM
			120	-66	4 55 31	MEAN LOWER LOW WATER
			134	-80	5 60 40	
			152	-98	6 64 05	

765420A - CE 353A - Cdb 9-62

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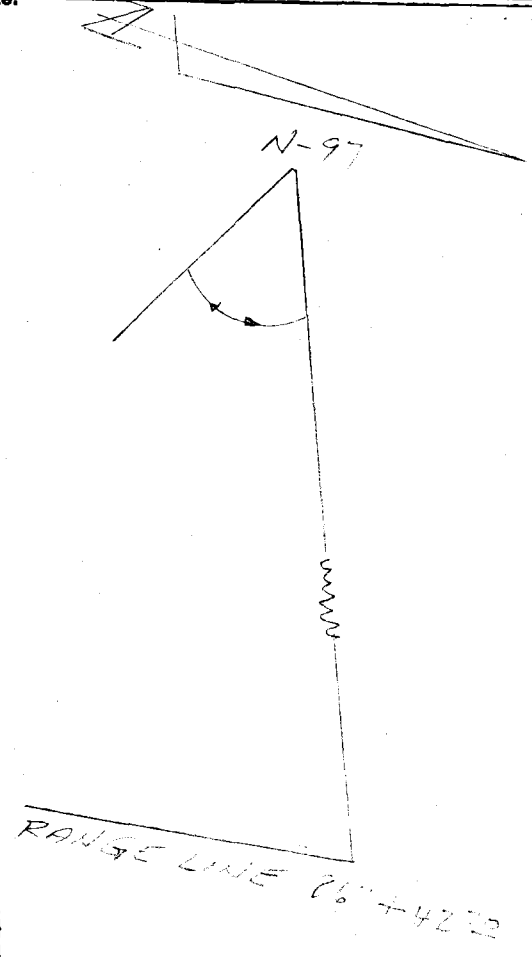
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

RANGE LINE 867+42.20

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-97	N-96		1	102°	45'			
			2	98°	5'			
			3	95°	5'			8674214
			4	92°	40'			
			5	89°	22'			
			6	85°	04'			8674216
			7	79°	32'			
			8	73°	32'			
			9	67°	00'			8674218
			10	58°	54'			
			11	53°	15'			
			12	48°	30'			8674220
		11:57	13	45°	30'			
				00	00			
				00	00			8674222
				00	00			
				00	00			
				00	00			8674224



Profile Notes Red. Plotted Job No. 0330.02 Division No. 11

No. Date Date Survey of HYDROGRAPHIC SURVEY F.B. 3792 Pg. 105

X-Sec. Notes Chkd. Checked Survey by [illegible] Notes [illegible] Date 4-3-67

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

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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					
				81	22			
				00	00			
				00	00			8674210
				00	00			
				00	00			
				00	00			8674212
				81	22			
				00	00			
				00	00			8674232
				00	00			
				00	00			
				00	00			8674234
				64	05			
				60	40			
				55	31			8674236
				49	12			
				37	29			
				29	54			8674238
				00	00			
				00	00			
				00	00			8674240

F. B. 3792 PG. 106 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

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

Do not extend notes this side of this line.

Profile No. _____ Notes Red _____ Plotted _____ Job No. 630002 Division No. 11 F.B. 3792 Pg. 107
X-Sec. No. _____ Date _____ Date _____ Survey of MALIBU AREA HYDRO
Notes Chkd. _____ Checked _____ Survey by DREIER, ADAMS Notes DREIER Date 4-3-67
Date _____ Date _____ Map No. _____ Indexed C.J. GALLI Date _____

STATION	B. S.	H. I.	F. S.	ELEV.	869+95'	
	369	1168.		799.	7.0 LEFT FROM PREVIOUS PAGE	
			737	231.	.41÷ 1X2	
			55	62.		& RIGHT
			34	83.		21° EST SEAWALL
			+16	133.		23° TOP "
			+20	137.		46° BLDG LINE
T.P.			648	520.	TO LEFT ON ROCK	
	234	465.		231.		
			00	46.	14 FT LEFT MHW	
			25	22	48	
					CUT GUN AT 867+42 SIGHT ON 869+95	
			145	-99.	1 47° 34'	
			110	-64.	2 44 19	
			73	-26	3 32 19	
			58	-11	4 25 07	
			38	08	5 15 33	

DATUM
MEAN LOWER LOW WATER

765420A - CE 353A - Cdb 9-62

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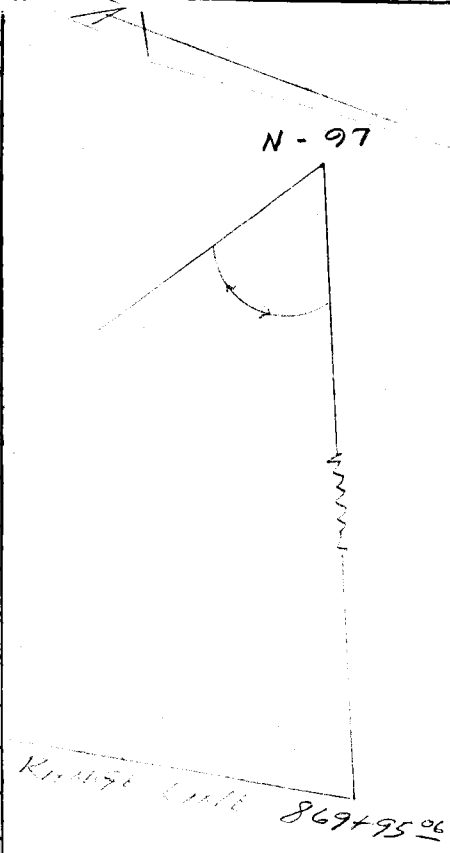
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line. RANGE LINE 869+95.06

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-97	N-96	[illegible]	1	[illegible]	[illegible]			
			2	[illegible]	[illegible]			
			3	109°	20'			8699514
			4	[illegible]	33'			
			5	[illegible]	[illegible]			
			6	[illegible]	43'			8699516
			7	98°	04'			
			8	93°	25'			
			9	[illegible]	[illegible]			8699518
			10	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			12	68°	48'			8699520
			[illegible]	[illegible]	[illegible]			
				[illegible]	[illegible]			
		[illegible]	[illegible]	[illegible]	[illegible]			8699522
				00	00			
				00	00			
				00	00			8699524



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3797 Pg. 109

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 ____

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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					
				81	22			
				00	00			
				00	00			8699510
				00	00			
				00	00			
				00	00			8699512
				47	34			
				44	19			
				32	19			8699532
				25	07			
				15	33			
				00	00			8699534
				00	00			
				00	00			
				00	00			8699536
				98	38			
				00	00			
				00	00			8699538
				00	00			
				00	00			
				00	00			8699540

F. B. 3792 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 No.

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY
Map No.	JN 2300-02 Tape Std °F
Office Work	Surveyed by RICHARDS
Checked	Notes V.HARRIET Date 4-5-67
Date	Indexed C. J. GALLI

F. B. 3792 PG. 111

TIDE GAGE READINGS
APRIL 5, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	4.6
6:30	4.6
7:00	4.6
7:30	4.3
8:00	4.1
8:30	3.6
9:00	3.1
9:30	2.5
10:00	1.9
10:30	1.3
11:00	0.7
11:30	0.3
12:00	-0.2
12:30	-0.4
13:00	-0.6
13:30	-0.6
14:00	-0.3

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.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 1-65

F. B. 3792 PG 112

April 5, 1967

Predicted Tides

Observed Tides

6 8 10 12 2 4

6 4 2 0

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403 Los Angeles County Engineering Bldg.

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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.	872+859N (L)	(R)
T.P.	309	829		520	T.P. FROM PREVIOUS PG. LST	
			332	497		℄ ROCKS CHIS "X"
			+28	111		65' RIGHT GR CH
			+79	162		77 PILINGS WOOD DECK
			+142	225		78 DECK
T.P.			180	649	Rock	
T.P	113	610		497	"X" ON CONC.	
			15	46	2FT LEFT MH.W.	ON ROCKS
			33	28	12FT " SAND	
			48	13	50" " "	
					CUT GUN ON 869+95.06 SIGHT ON N-96	
			61	00	#1 30° 05'	
			75	-14	2 34 36	
			106	-45	3 42 58	
			130	-69	4 48 03	
			147	-86	5 52 02	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 113
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
Notes Chkd. ____ Checked ____ Survey by DREIER Notes ADAMS DREIER Date 4-5-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
		9:33		64	40			
				63	19			
				61	31			8728610
				59	40			
			5	56	48			
				52	39			8728612
				47	52			
				43	37			
				39	31			8728614
			10	36	47			
				33	47			
				30	53			8728616
				27	14			
		9:36	14	24	36			
				00	00			8728618
				00	00			
				00	00			
				00	00			8728620

Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of

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

No. Date Map No. Indexed Date

F. B. 3792 PG. 154

76L298 307 Cdb 12-62

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F. B. 3792 Pg. 116A Job No. Division No. Notes Red. Plotted

Survey of Date Date

Survey by Notes Notes Chkd. Checked

Indexed Date Date Date

Profile No. X-Sec. 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					
				128	23			
				00	00			
				00	00			8728622
				00	00			
				00	00			
				00	00			8728624
				52	02			
				48	03			
				42	58			8728634
				34	36			
				30	05			
				00	00			8728636
				00	00			
				00	00			
				00	00			8728638
				128	23			
				00	00			
				00	00			8728640
				00	00			
				00	00			
				00	00			8728642

76S420A - CE 353A - Cdb 9-62

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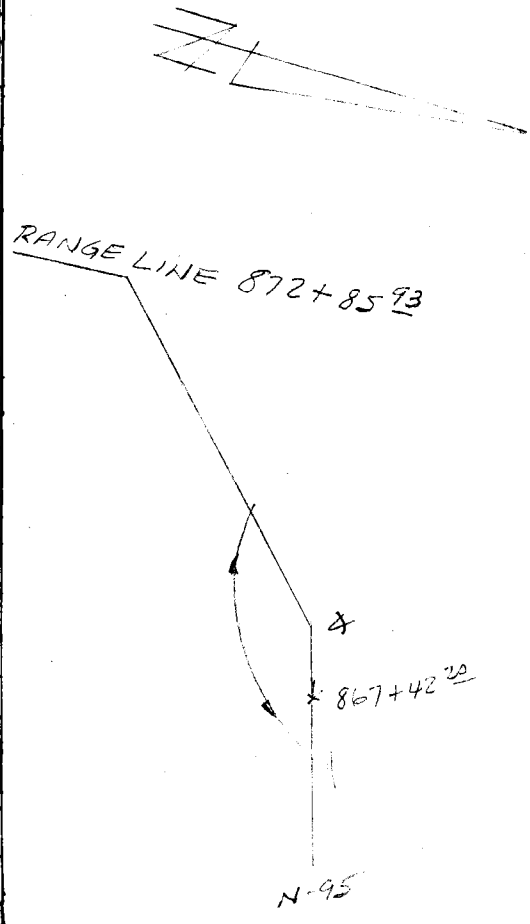
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 872+85.93

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					
867+42.20	N-95	9:33	1	115°	20'			
			2	116°	41'			
			3	118°	29'			
			4	120°	20'			
			5	123°	12'			
			6	127°	21'			
			7	132°	08'			
			8	136°	23'			
			9	140°	29'			
			10	143°	13'			
			11	146°	13'			
			12	149°	07'			
			13	152°	46'			
		9:36	14	155°	24'			
				00	00			
				00	00			
				00	00			
				00	00			



Profile Notes Red. Plotted Job No. 0300.[illegible] Division No. 11 F. B. 3792 Pg. 115
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes [illegible] Date 4-5-67
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3792 Pg. 116 | 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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76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

Profile Notes Red. Plotted. Job No. 0300.02 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO, F.B. 3792 Pg. 117
No. Notes Chkd. Checked Survey by WILSON BREIER Notes ADAMS BREIER Date 4-5-67
Date Date Map No. Indexed G.J. GALLI Date

875+74.8 N.

STATION	B. S.	H. I.	F. S.	ELEV.	(L)	(R)
	1.220	18.69		649.	T.P. FROM PREVIOUS PAGE	
			1108	761.	9° LEFT BOT. ROCK BREAK WATER	PAINT MARK ON ROCK
			579	1290.		℄ FO SPK
			333	1536.		1° RIGHT EDGE CONC APRON
			333	1536.		45 BLDG LINE
T.P			861	1008.	Rock	
	003	764.		761.	T.P. 9° LEFT ON ROCK	
					CUT GUN AT 869+95.06 SIGHT ON N-96	
			161	-85.	1 NO ANGLE	
			146	-70.	2 34° 48'	
			121	-45.	3 31 52	
			105	-29.	4 28 26	BEGIN ROCKS
			74	02.	5 25 02	
			67	09.	6 22 36	
			61	15.	30 FT LEFT ON SAND	
			28	48.	13 " "	ROCKS BRK NEAR M.H.W.

DATUM
MEAN LOWER LOW WATER

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE NO	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD NO
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				56	43			
				54	40			
				52	25			8757512
				50	15			
			5	47	50			
				44	26			8757514
				42	10			
				39	46			
				36	01			8757516
			10	32	53			
				30	35			
				27	27			8757518
			13	24	54			
				00	00			
				00	00			8757520
				00	00			
				00	00			
				00	00			8757522

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. 3792 Pg. 1194

76L298 307 Cdb 12-62

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726 Los Angeles County Engineering Bldg.

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Do not extend notes this side of this line.

F. B. 3792 Pg. 1204 Job No. Division No. Notes Red. Plotted

Profile No. Date Date

X-Sec. No.

Survey of

Survey by Notes Notes Chkd. Checked

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.
				93	57			
				00	00			
				00	00			8757524
				00	00			
				00	00			
				00	00			8757526
				34	43			
				31	52			
				28	26			8757538
				25	02			
				22	36			
				00	00			8757540
				00	00			
				00	00			
				00	00			8757542
				93	57			
				00	00			
				00	00			8757544
				00	00			
				00	00			
				00	00			8757546

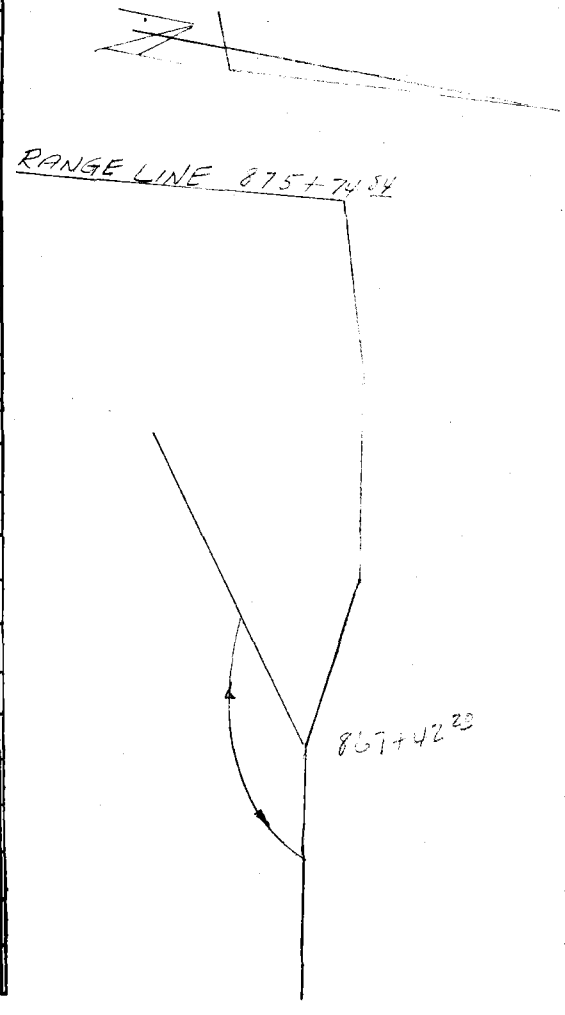
76S420A - CE 353A - Cdb 9-62

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 875+74.84

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
867+42.20	N-95	9:55	1	123°	17'			
			2	125°	20'			
			3	127°	35'			
			4	129°	45'			
			5	132°	10'			
			6	135°	34'			
			7	137°	50'			
			8	140°	14'			
			9	143°	59'			
			10	147°	07'			
			11	149°	25'			
			12	152°	33'			
		9:58	13	155°	06'			



Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3742 Pg. 119
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Survey of HYDROGRAPHIC SURVEY
Survey by RICHARDS Notes J.G. Date 4-5-67
Map No. ____ Date ____ Indexed C. J. GALLI Date ____

F. B. 3792 PG. 120 | 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 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.	878+27°	
	333	1341		1008	T.P. FROM PREVIOUS PAGE	
			835	506	21° LEFT ROCK	
			50	84		℄ TOP ROCK SEA WALL
			48	86		57° W, LY EDGE CREEK
			48	86		110° E, LY " "
			39	95		111° BOT BANK
			+55	189		150 TOP "
			+51	185		162° EDGE PVMT
T.B.M #7			348	993	FD ROCK N.W. FOUNDATION SEALION RESTAURANT	ELEV = 9.94
	209	715		506	T.P. 21 FT LEFT ON ROCK ON SLOPE	
			26	46	21 FT LEFT MH. W ON ROCK SLOPE	
			49	23	33 " " SAND	
			68	04	65 " "	
					CUT GUN AT 880+86'	SIGHT EAST 878+27°
			98	-26	#1 24° 15'	
			143	-71	2 34 00	
			168	-96	3 37 28	
			173	-101	4 40 07	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 121
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by DREIER Notes ADAMS DREIER Date 4-5-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

765420A - CE 353A - Cdb 9-62

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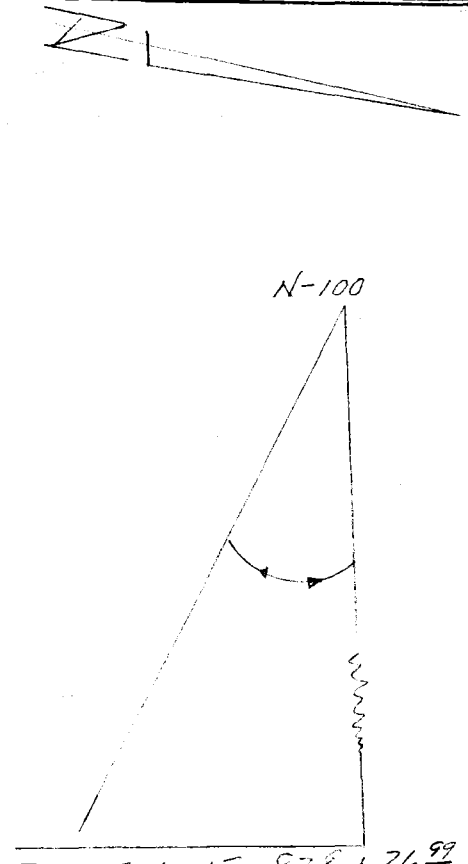
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 878+26.99

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-100	N-99	10:27	1	29°	19'			
			2	28°	00'			
			3	26°	02'			8782714
			4	24°	15'			
			5	22°	30'			
			6	20°	49'			8782716
			7	19°	23'			
			8	17°	22'			
			9	15°	28'			8782718
			10	14°	33'			
			11	13°	27'			
			12	12°	33'			8782720
		10:28	13	12°	01'			
				00	00			
			15	00	00			8782722
				00	00			
				00	00			
				00	00			8782724



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 123
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-5-67
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.

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					
				105	15			
				00	00			
				00	00			8782710
				00	00			
				00	00			
				00	00			8782712
				105	15			
				00	00			
				00	00			8782732
				00	00			
				00	00			
				00	00			8782734
				40	07			
				37	28			
				34	00			8782736
				24	15			
				00	00			
				00	00			8782738
				00	00			
				00	00			
				00	00			8782740

F. B. 3792 PG. 124 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

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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. 03W.02 Division No. 11
No.____ Date____ Date____ Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd.____ Checked____ Survey by WISSLER DREIER Notes DREIER Date 4-5-67
No.____ Date____ Date____ Map No.____ Indexed C.J.GALLI Date____

F.B. 3792 Pg. 125

STATION	B. S.	H. I.	F. S.	ELEV.	880+86 1	
T.B.M.#7				994	Rock @ SEA LION REST.	
T.P.	123	1117	330	787.		
	677	1464				
			939	525.	LEFT 23° TOP OF LATH	
			71	75.		SAND ℄ EIGHT
			18	128.		22° GR. CH.
			10	136.		63° Bot BANK
			+55	201.		74° TOP "
			+64	210.		86° BACK SER. STA.
T.P.			648	816.	Rock	
	074	599.		525.	T.P. 23 LEFT TOP LATH	
					CUT GUN 883+45 2	SIGHT ON 880+86 1
			143	-83.	1 39° 00'	
			117	-57.	2 34 40	
			85	-25.	3 28 15	
			74	-14.	4 23 21	
			58	02.	5 18 15	
			55	05.	6 12 31	
			14	46.	20 FT LEFT MH.4	

DATUM
MEAN LOWER LOW WATER

765420A - CE 353A - Cdb 9-62

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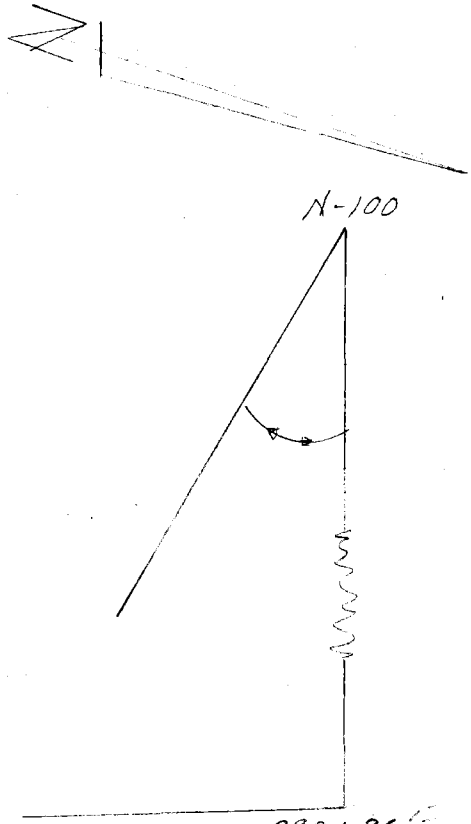
726 Los Angeles County Engineering Bldg.

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 880+86.12

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-100	N-99	10:37	1	29°	43'				
			2	27°	48'				
			3	26°	00'				8808614
			4	24°	08'				
			5	22°	19'				
			6	19°	44'				8808616
			7	18°	01'				
			8	16°	38'				
			9	15°	26'				8808618
			10	14°	28'				
		10:40	11	13°	19'				
				00	00				8808620
				00	00				
				00	00				
				00	00				8808622
				105	15				
				00	00				
				00	00				8808610
				00	00				
				00	00				
				00	00				8808612



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 127
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Ckd. Checked Survey by RICHARDS Notes J.G. Date 4-5-67
No. Date Date Map No. Indexed C.J.GALLI Date

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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Profile No. X-Sec. No.

F. B. 3792 Pg. 128 | 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 Date Date Date

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					
				105	15			
				00	00			
				00	00			88086 30
				00	00			
				00	00			
				00	00			88086 32
				39	00			
				34	40			
				28	15			88086 34
				23	21			
				18	15			
				12	31			88086 36
				00	00			
				00	00			
				00	00			88086 38

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				00	00			
				00	00			
				00	00			7359942
				00	00			
				00	00			
				00	00			7359950
				15	14			
				00	00			
				00	00			7385744
				00	00			
				00	00			
				00	00			7385746
				00	00			
				00	00			
				00	00			7410744
				90	28			
				00	00			
				00	00			7435738
				00	00			
				00	00			
				00	00			7435740

Pg 132 3791

To pg. 138

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 3791 PG. 127A

No. ____ Date ____ Date ____ Survey of ____

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

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

76L298 307 Cdb 12-62

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726 Los Angeles County Engineering Bldg.

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F. B. 3992 Pg. 128A Job No. Division No. Notes Red. Plotted

Survey of Date Date

Survey by Notes Notes Chkd. Checked

Indexed Date Date

Profile No. X-Sec. No.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.	
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
				00	00				
				00	00				
				00	00			7460942	
				00	00				
				00	00				
				00	00			7486544	
				00	00				
				00	00				
				00	00			7513044	
				00	00				
				00	00				
				00	00			7590044	
				00	00				
				00	00				
				00	00			7615044	
				91	43				
				00	00				
				00	00			7665044	
				00	00				
				00	00				
				00	00			7665046	

M. Pg. 166

M. Pg. 178

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. 034102 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU AREA By ZERO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes DREIER Date 4-5-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C.T. GATTI Date ____

F.B. 3792 Pg. 129

STATION	B.S.	H.I.	F.S.	ELEV.	883 + 45 2N (R)
	663	1.479		816.	T.P. FROM (L) DREIER PAGE
			889	590.	℄ 1X2 RIGHT
			33	115.	32° GR. C.H.
			26	122.	62° " "
			+13	161.	82° BLDG LINE
			+44	192.	126° BOT. FOUNDATION FRONT BLDG
			+95	243	126° FLOOR BLDG FRONT
T.P.			843	636. ✓	Rock
	112	7.02		590.	T.P. ℄ 1X2
			24	46.	8 FT LEFT M.H.W.
			45	25.	30 " "
			60	10.	45 " "
			~~80~~		(1 E) CUT GUN 880+86' SIGHT ON 883+45 2
			80	-10.	* 1 27° 15'
			104	-34.	2 40 27
			133	-63.	3 48 30
			157	-87.	4 57 03
		(ESTIM.)	200	-130.	5 62 16

DATUM
MEAN LOWER LOW WATER

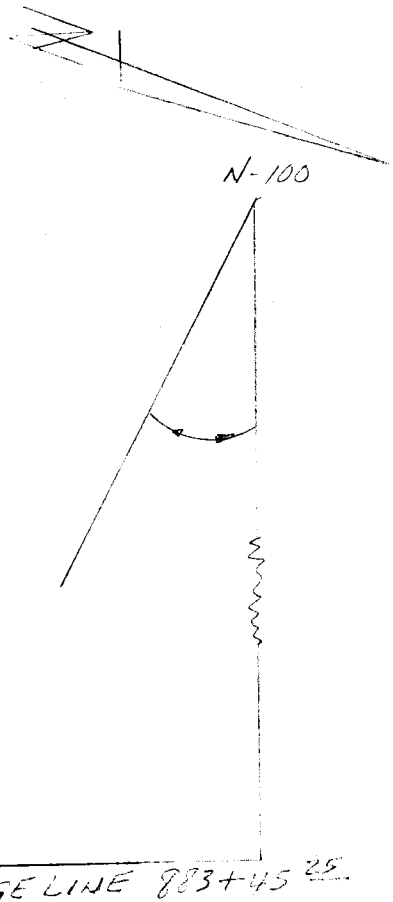
765420A - CE 353A - Cdb 9-62

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 883+45.25

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-100	N-99	10:50	1	34°	00'			
			2	32°	12'			
			3	30°	41'			8834514
			4	29°	10'			
			5	27°	26'			
			6	25°	44'			8834516
			7	23°	56'			
			8	21°	57'			
			9	19°	55'			8834518
			10	17°	59'			
			11	16°	53'			
			12	15°	40'			8834520
			13	14°	30'			
			14	13°	25'			
		10:54	15	12°	43'			8834522
				00	00			
				00	00			
				00	00			8834524



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3792 Pg. 131
X-Sec. Notes Chkd. Checked Survey by [redacted] Notes J.G. Date 4-5-67
No. Date Date Map No. Indexed G. J. GALLI Date

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726 Los Angeles County Engineering Bldg.

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Profile No. X-Sec. No.

F. B. 3792 Pg. 132 Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGEOPHIC SURVEY Date Date

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

Indexed Date Date Date

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					
				105	15			
				00	00			
				00	00			8834510
				00	00			
				00	00			
				00	00			8834512
				62	16			
				57	03			
				48	30			8834532
				40	27			
				27	15			
				00	00			8834534
				00	00			
				00	00			
				00	00			8834536
				77	45			
				00	00			
				00	00			8834538
				00	00			
				00	00			
				00	00			8834540

76-L-296 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.	886 + 04 ± N. (L)	(R)
	6.55	12.91		6.36	T.P. FROM PREVIOUS PG	
			8.38	4.53		℄ 1X2 RIGHT
			1.4	11.4		74° PILINGS BLDG
			+8.4	21.3		74° FLOOR "
T.P.			6.07	6.84	Rock	
T.P.	0.88	5.41		4.53	1X2 ON ℄ 2E ℄ M.H.W	
					CUT GON 880+861	SIGHT ON 886+04±
			1.64	-1.10	1 32° 43'	
			1.38	-0.84	2 28 15	
			0.99	-0.45	3 22 20	
			0.71	-0.17	4 16 07	
			0.53	0.01	5 9 50	
			0.51	0.03	53 FT LEFT	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11
No. Date Date Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd. Checked Survey by BREESE Notes BREESE Date 4-5-67
No. Date Date Map No. Indexed C.J. GALLI Date

F.B. 3792 Pg. 133

76S420A - CE 353A - Cdb 9-62

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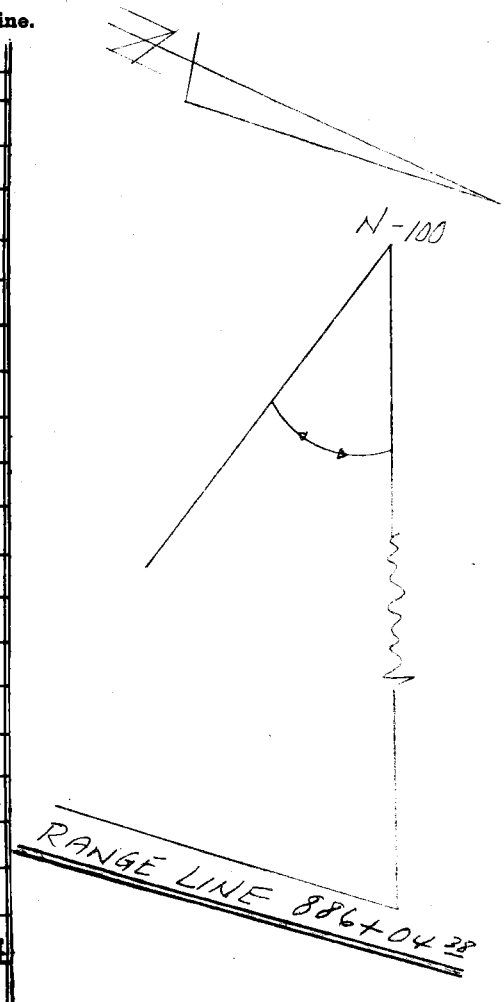
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-100	N-99	11:03	1	35°	12'			
			2	33°	21'			
			3	31°	14'			8860414
			4	28°	03'			
			5	25°	53'			
			6	23°	31'			8860416
			7	21°	08'			
			8	19°	23'			
			9	17°	51'			8860418
			10	16°	39'			
			11	15°	20'			
			12	14°	12'			8860420
			13	13°	09'			
		11:06	14	12°	29'			
				00	00			8860422
				00	00			
				00	00			
				00	00			8860424



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 135

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-5-67

No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLE 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. 3792 Pg. 136 | Job No. 0300.02

Survey of HYDROGRAPHIC SURVEY | Division No. 11

Survey by ENGINEERS | Notes J.S. | Date

Indexed | Date | Notes Chkd. | Date

Prolile | Plotted | Date | Checked | Date

Notes Red. | No. | X-Sec. | 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						
				105	15				
				06	00				
				00	00				8860410
				00	00				
				00	00				
				00	00				8860412
				32	43				
				28	15				
				22	20				8860432
				16	07				
				9	50				
				00	00				8860434
				00	00				
				00	00				
				00	00				8860436
				74	45				
				00	00				
				00	00				8860438
				00	00				
				00	00				
				00	00				8860440

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.	888+63 SN	RIGHT
T.P.	8.04	14.88		681.	T.P. FROM PREVIOUS PAGE	
			8.53	635.		12° FD 1×2
			2.3	12.6.		77° GR. CH.
			+3.7	18.6.		88° " "
			+3.9	18.8.		137° FENCE LINE G'BRD FACE
T.P.			9.90	4.98.		
	0.19	6.54		6.35.	1×2 12 FT RIGHT	
			1.9	4.6.	12 FT. LEFT M.H.W.	
			5.1	1.4.	48 " "	
					CUT GUN AT 880+86' SIGHTON 888+63' SE.	
			6.0	0.5.	#1 6° 35'	
			8.1	-1.6.	2 11 11	
			10.0	-3.5.	3 14 12	
			14.4	-7.9.	4 19 08	
			17.4	-10.9.	5 22 44	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 137
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by DITSOL ADAMS DEELER Notes DEELER Date 4-5-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

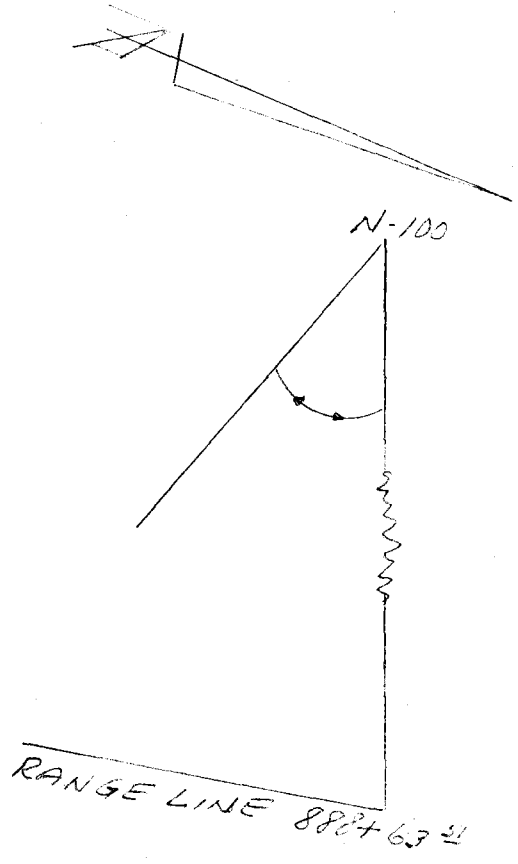
765420A - CE 353A - Cdb 9-62

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 8884 63.51

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-100	N-99	11:17	1	36°	10'			
			2	34°	23'			
			3	32°	32'			8886414
			4	31°	00'			
			5	29°	04'			
			6	26°	53'			8886416
			7	24°	56'			
			8	22°	49'			
			9	21°	06'			8886418
			10	19°	18'			
			11	17°	50'			
			12	16°	28'			8886420
			13	15°	17'			
			14	13°	57'			
			15	12°	38'			8886422
		11:20	16	12°	22'			
				00	00			
				00	00			8886424
				00	00			
				00	00			
				00	00			8886426



Profile Notes Rod. Plotted Job No. 0300.02 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-5-62
No. Date Date Map No. Indexed C. J. GALL Date

F.B. 3792 PG. 139

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3792 Pg. 140 Job No. 0300,02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked No.

Indexed Date Date Date

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					
				105	15			
				00	00			
				00	00			8886410
				00	00			
				00	00			
				00	00			8886412
				22	44			
				19	08			
				14	12			8886434
				11	11			
				6	35			
				00	00			8886436
				00	00			
				00	00			
				00	00			8886438
				74	45			
				00	00			
				00	00			8886440
				00	00			
				00	00			
				00	00			8886442

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.	891 + 22.7 N LEFT	RIGHT
T.P.	10.12	1510°		498.	T.P. FROM PREVIOUS PAGE	
			8.58	652.		12° RD 1x2
			2.5	12.6.		72° BOT BANK
			+1.6	16.7.		83° TOP "
			+3.2	18.3.		127° BOT FOUNDATION FRONT BLDG
			+6.2	21.3.		127° FLOOR BLDG
T.P.			8.77	633.	Rock	
					CUT GUN AT 880+86' SIGHT ON 891+22.7	
	0.32	684 +6		652.	T.P. 1x2 12 FT RIGHT.	
		ESTIMATE	21.0	-14.2.	#1 20° 07	
			18.0	-11.2.	2 17 35	
			14.7	-7.9.	3 14 34	
			10.0	-3.2.	4 10 16	
			8.2	-1.4.	5 8 05	
			6.2	0.6.	6 4 50	
			5.7	1.1.	53 FT LEFT	
			2.2	4.6.	2 " LEFT	
			2.0	4.8.		℄ SAND & M.H.W.

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03000 2 Division No. 11 F.B. 3792 Pg. 141
No. ____ Date ____ Date ____ Survey of MALIBU HYD RD.
X-Sec. Notes Chkd. ____ Checked ____ Survey by ADAMS Notes ADAMS Date 4-5-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLY Date ____

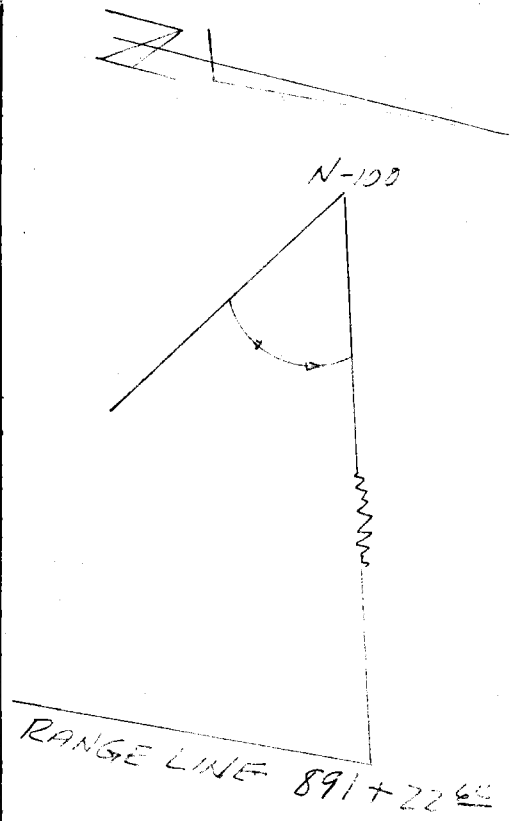
765420A - CE 353A - Cdb 9-62

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 891+22.64

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-100	N-99	11:39	1	40°	40'			
			2	38°	56'			
			3	36°	54'			8912314
			4	35°	14'			
			5	33°	30'			
			6	31°	12'			8912316
			7	29°	06'			
			8	27°	17'			
			9	25°	07'			8912318
			10	22°	41'			
			11	20°	43'			
			12	19°	14'			8912320
			13	17°	25'			
			14	15°	51'			
			15	14°	41'			8912322
			16	13°	22'			
		11:59	17	12°	46'			
				00	00			8912324
				00	00			
				00	00			
				00	00			8912326



Profile Notes Red. Plotted Job No. 8300.02 Division No. 11
No. Date Date Survey of HYDELOGRAPHIC SURVEY F.B. 3792 Pg. 143
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes T.G. Date 4-5-67
No. Date Date Map No. Indexed C.J.GALT 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. 3792 Pg. 149 | Job No. 03000.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date

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

Indexed Date Date

Profile No. X-Sec. 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					
				105	15			
				00	00			
				00	00			8912310
				00	00			
				00	00			
				00	00			8912312
				20	07			
				17	35			
				14	34			8912334
				10	16			
				8	05			
				4	50			8912336
				00	00			
				00	00			
				00	00			8912338
				74	45			
				00	00			
				00	00			8912340
				00	00			
				00	00			
				00	00			8912342

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.	893 + 81.8	RIGHT
	823	1456°		633	T.P. FROM PREVIOUS PAGE	
			783	673		12° AD 1X2
			26	120		49° GR CH
			16	130		69° BOT BANK
			+13	159		77° TOP "
			+16	162		81° BLDG LINE
T.P.			786	670	ROCK	
	017	690° 46		673	1X2 12 FT RT.	
			22	47	SAND	℄ & M.H.W.
			37	32	28 FT LEFT	
			58	11	52 FT "	
					CUT GUN AT 891+22.7 (12 FT RT) SIGHT ON	
			67	02	#1 26° 01'	893 + 81.8 12 FT. RT.
			91	-22	2 38 50	
			137	-68	3 51 35	
			168	-98	4 57 18	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11
Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by ADAMS Notes ADAMS Date 4-5-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3792 Pg. 145

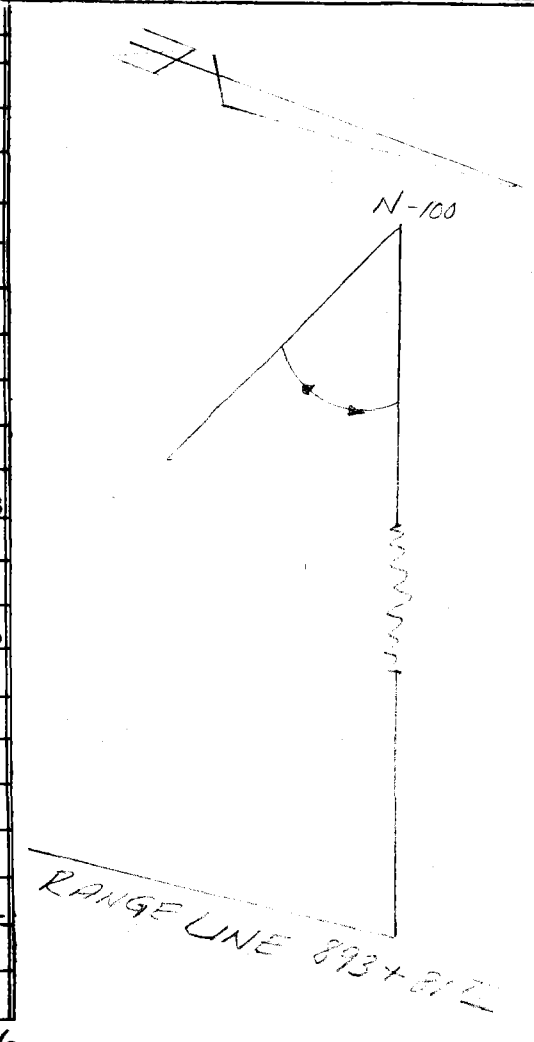
765420A - CE 353A - Cdb 9-62

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 893+81.77

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-100	N-99	11:42	1	40°	26'			
			2	38°	47'			
			3	36°	25'			8938214
			4	34°	59'			
			5	32°	57'			
			6	30°	33'			8938216
			7	28°	35'			
			8	26°	00'			
			9	23°	09'			8938218
			10	21°	02'			
			11	18°	49'			
			12	17°	13'			8938220
			13	15°	51'			
			14	14°	23'			
			15	13°	45'			8938222
		11:45	16	11°	54'			
				00	00			
				00	00			8938224
				00	00			
				00	00			
				00	00			8938226



Profile Notes Red. Plotted Job No. 0300.03 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G.L. Date 4-5-67
No. Date Date Map No. Indexed C.J. CALL Date

F. B. 3792 Pg. 147

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3792 Pg. 148 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed Date Date Date No.

Profile

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					
				105	15			
				00	00			
				00	00			89382/0
				00	00			
				00	00			
				00	00			8938212
				57	18			
				51	35			
				38	50			89382 34
				26	01			
				00	00			
				00	00			8938236
				00	00			
				00	00			
				00	00			89382 38
				74	45			
				00	00			
				00	00			89382 40
				00	00			
				00	00			
				00	00			8938242

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.	896 + 402	RIGHT
+P	963	16.33		670	T.P. FROM PREVIOUS PAGE	
			904	729		12° FD 1X2
			34	129		59° GR. CH.
			+05	168		70° " "
			+24	187		111° EDGE BRICK PATIO
			+26	189		120° BLDG LINE
T.P.			273	1355	Cock	
	-039	690		729	1X2 12 FT RIGHT	
			13	56		& SAND SLOPE
			23	46	10 FT LEFT MHW	
			56	13	42 " "	
					CUT GUN 891+22± IE: 12 FT R.	12 FT RIGHT
			65	04	#1 12° 38'	SIGHT ON 896+40± 12 FT RT.
			90	-21	2 20 32	
			120	-51	3 26 25	
			143	-74	4 30 06	
			178	-109	5 35 25	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 030002 Division No. 11 Survey of MALIBU HYDRO Survey by ADAMS Notes ADAMS Date 4-5-62 Map No. ____ Indexed C. J. GALLI Date ____

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

F.B. 3792 Pg. 149

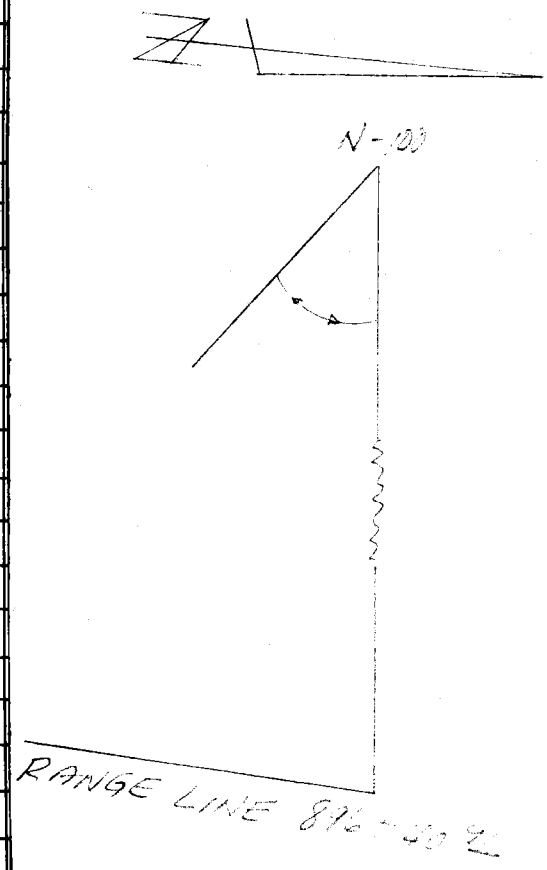
765420A - CE 353A - Cdb 9-62

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 896+40.90

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-100	N-99	11:53	1	42°	56'			
			2	40°	32'			
			3	37°	49'			8964114
			4	35°	24'			
			5	32°	18'			
			6	29°	00'			8964116
			7	26°	06'			
			8	23°	53'			
			9	20°	30'			8964118
			10	18°	30'			
			11	16°	34'			
			12	14°	48'			8964120
			13	13°	25'			
		11:56	14	12°	15'			
				00	00			8964122
				00	00			
				00	00			
				00	00			8964124



Profile Notes Red. Plotted
No. Date Date
X-Sec. Notes Chkd. Checked
No. Date Date
Job No. 03300.02 Division No. H
Survey of HYDROGRAPHIC SURVEY
Survey by [illegible] Notes J.G. Date 4-5-67
Map No. Indexed C.J.C. Date
F. B. 3792 Pg. 151

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3792 Pg. 152 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes T.S. Notes Chkd. Checked No.

Indexed Date Date Date

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					
				105	15			
				00	00			
				00	00			8964110
				00	00			
				00	00			
				00	00			8964112
				35	25			
				30	06			
				26	25			8964132
				20	32			
				12	38			
				00	00			8964134
				00	00			
				00	00			
				00	00			8964136
				74	45			
				00	00			
				00	00			8964138
				00	00			
				00	00			
				00	00			8964140

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.	899+00 N	RIGHT
	146	1501		1355	T.P. FROM PREVIOUS PAGE	
			794	707		℄ FD 1X2
			83	67	LEFT	℄ SAND
			1204	297	SHT 1X2	
						RIGHT
			24	126		51° GR CH
			02	148		53° BLDG LINE
T.P.			246	1255	ROCK	
	204	501		297	1X2	
			05	45	18 M.H.W	
			25	25	44	
			40	10	70	
					CUT GUN 891+22? 4E	12 FT RIGHT SIGHT ON
			50	00	#1 9° 48'	899+00 12 FT RIGHT
			69	-19	2 13 30	
			94	-44	3 17 15	
			120	-70	4 20 20	
			150	-100	5 33 20	
			169	-119	6 35 30	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 230002 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by DREIER ADAMS Notes ADAMS Date 4-5-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3792 PG. 153

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

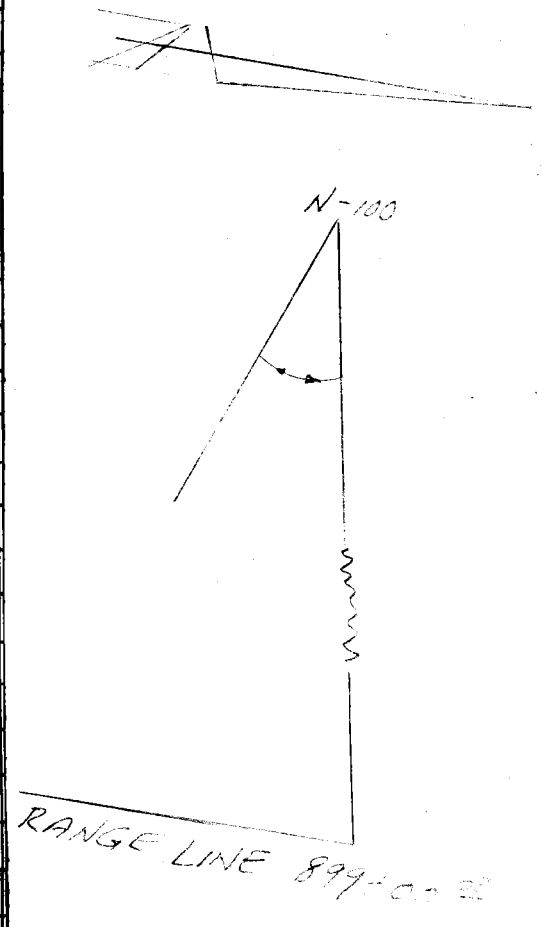
LOS ANGELES COUNTY SURVEYOR

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 899+00.03

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-100	N-99	12:06	1	47°	08'			
			2	44°	37'			
			3	41°	44'			89900 14
			4	39°	13'			
			5	36°	39'			
			6	33°	04'			89900 16
			7	[illegible]	[illegible]			
			8	27°	11'			
			9	24°	32'			89900 18
			10	21°	52'			
			11	19°	10'			
			12	16°	50'			89900 20
			13	14°	36'			
		12:10	14	12°	20'			
				00	00			89900 22
				00	00			
				00	00			
				00	00			89900 24



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of HYDROGRAPHIC SURVEY F. B. 3792 Pg. 155

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.S. Date 4-5-61

No. Date Date Map No. Indexed C. J. GALT 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. 3792 PG. 156 | Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes Fig. Notes Chkd. Checked

Indexed Date Date Date No.

Profile

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				105	15			
				00	00			
				00	00			8990010
				00	00			
				00	00			
				00	00			8990012
				35	30			
				33	20			
				20	20			8990032
				17	15			
				13	30			
				9	48			8990034
				00	00			
				00	00			
				00	00			8990036
				74	45			
				00	00			
				00	00			8990038
				00	00			
				00	00			
				00	00			8990040

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.	901+59 2 N (L)	(R)
T.P.	122	13.77°		12 55	T.P. FROM PREVIOUS PAGE	
			10 31	3 46	52° LEFT SE 1X2	
			4 78	8 99		℄ SAND
			1 6	1 22		36° PILINGS BLDG
			+4 7	1 85		" FLOOR "
T.P.			0 73	13 04	TOP CONC BULKHEAD	
—	1 29	4.75°		3 46	1X2 52 FT. LEFT	
			0 2	4 6	33 FT LEFT MHW	
			0 9	3 9	43 " "	
			3 4	1 4	80 " "	
			3 8	1 0	100 " " 12 RT	12 RT
			~~4 6~~		CUT GUN AT 891+22 6 12 FT RIGHT	
			4 6	0 2	#1 8° 02'	SIGHT ON 901+59 2 RIGHT 12 FT
			6 8	-2 0	2 11 12	
			9 0	-4 2	3 14 00	
			11 5	-6 7	4 16 02	
			15 0	-10 2	5 18 54	
			15 9	-11 1	6 19 54	

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 DREIER ADAMS Notes DREIER ADAMS Date 4-5-62
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3792 Pg. 157

765420A • CE 353A • Cdb 9-62

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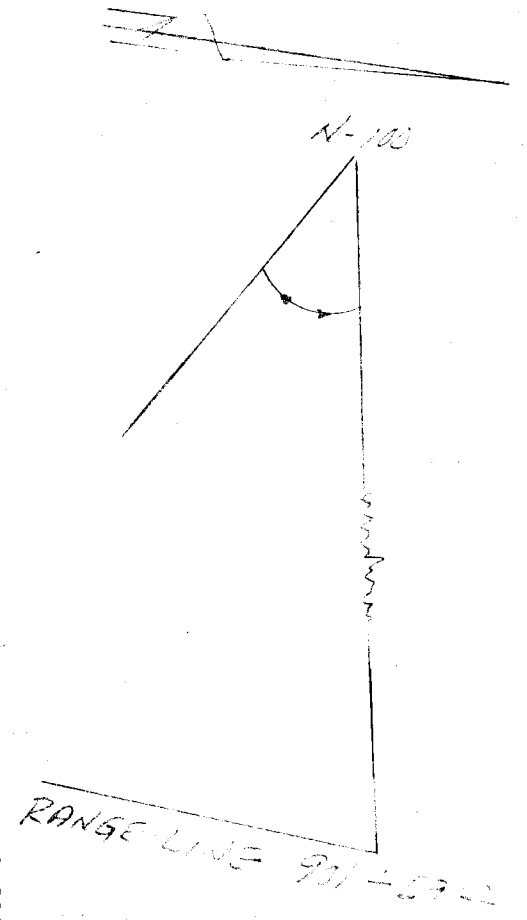
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

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 901+59.16

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-100	N-99	12:17	1	49°	51'			
			2	48°	16'			
			3	45°	53'			9015914
			4	43°	05'			
			5	40°	45'			
			6	38°	07'			9015916
			7	34°	53'			
			8	31°	01'			
			9	27°	26'			9015919
			10	24°	49'			
			11	22°	22'			
			12	20°	10'			9015920
			13	17°	57'			
			14	15°	47'			
		12:21	15	14°	50'			9015922
				00	00			
				00	00			
				00	00			9015924



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 159
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 4-5-62
No. Date Date Map No. Indexed C.J.GALL Date

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 3792 Pg. 160 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes J.G. Notes Chkd. Checked No.

Indexed Date Date Date

Profile

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					
				105	15			
				00	00			
				00	00			9015926
				00	00			
				00	00			
				00	00			9015928
				19	54			
				18	54			
				16	02			9015936
				14	00			
				11	12			
				08	02			9015938
				00	00			
				00	00			
				00	00			9015940
				74	45			
				00	00			
				00	00			9015942
				00	00			
				00	00			
				00	00			9015944

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.	904 + 16.4 N (L)	(R)
	1 23	14 27		13 04	T.P. FROM PREVIOUS PAGE	
			10 28	3 99	57.5 LEFT SET 1 X 2	RIGHT
			3 4	1 09	℄	SAND
			1 8	1 25		26° GR. CH.
			+3 2	1 75		125° FENCE LINE
			+1 4	1 57		128° EDGE PVMT
T.P.			6 04	8 23	ROCK	
	1 61	5 60		3 99	1 X 2 57.5 LEFT	
			1 0	4 6	45 FT LEFT MH.W	
			4 4	1 2	100 " "	
			5 0	0 6	130 " "	
					CUT GUN AT 906+66.6 SIGHT ON N-99	
			7 5	-1 9	#1 36° 55'	
			9 6	-4 0	2 42 32	
			12 2	-6 6	3 47 33	
			15 4	-9 8	4 51 15	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 03000 Division No. 11 F.B. 3792 Pg. 161
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU HYDRO
Notes Chkd. ____ Checked ____ Survey by DREIER ADAMS Notes ADAMS Date 4-5-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

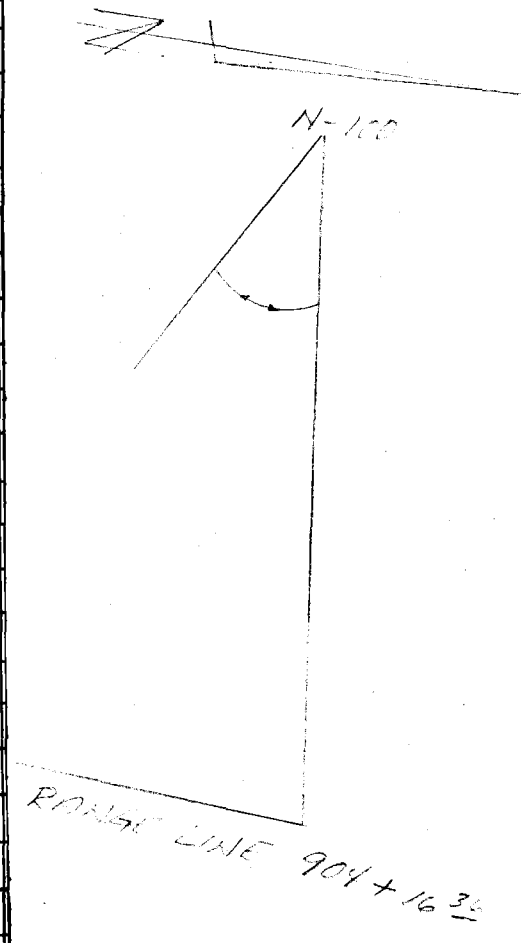
LOS ANGELES COUNTY SURVEYOR

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 904+16.36

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-100	N-99	12:29	1	55°	08'			
			2	53°	29'			
			3	50°	42'			9041610
			4	47°	45'			
			5	44°	18'			
			6	41°	01'			9041612
			7	36°	28'			
			8	32°	01'			
			9	27°	22'			9041614
			10	20°	51'			
			11	21°	22'			
			12	19°	01'			9041616
		12:32	13	16°	21'			
				00	00			
				00	00			9041618
				00	00			
				00	00			
				00	00			9041620



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 163

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 4-5-61

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.

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					
				92	31			
				00	00			
				00	00			9041608
				00	00			
				00	00			
				00	00			9041610
				92	31			
				00	00			
				00	00			9041628
				00	00			
				00	00			
				00	00			9041630
				51	15			
				47	33			
				42	32			9041632
				36	55			
				00	00			
				00	00			9041634
				00	00			
				00	00			
				00	00			9041636

F. B. 3792 PG. 164 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.	906+66²	
	544	1367		823	T.P. FROM PREVIOUS PAGE LEFT	
			1022	345	34⁵ SET 1X2	
			67	70		℄ SAND RIGHT
			28	109		25° GR. CH.
			170	207		129° HEDGE ROW
TBM#8			107	1260	TBM #8 ELEV =12.48' F.B. 3795 P. 167	
	172	517		345	T.P. 1X2 34⁵ LEFT	
			06	46	19 FT LEFT M.H.W	
			20	32	35 " "	
			41	11	75 " "	
			47	05	100 " "	
					CUT GUN AT 904+16⁴, SIGHT ON 906+66²	
			69	-12	#1 34° 45'	
			82	-30	2 39 56	
			105	-53	3 45 30	
			123	-71	4 50 09	
			147	-95	5 54 08	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3792 Pg. 165
Date ____ Date ____ Survey of MALIBU HYDRO
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by DREIER ADAMS Notes DREIER ADAMS Date 4-5-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

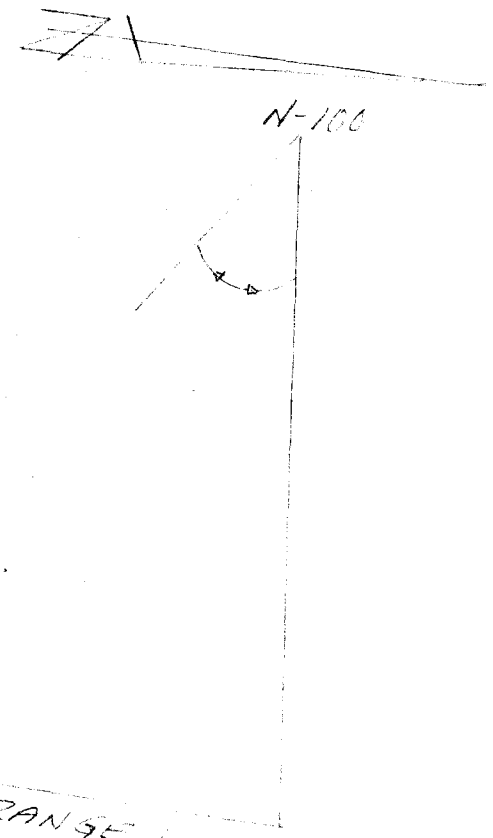
76S420A - CE 353A - Cdb 9-62

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 906+66.60

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-100	N-99	12:40	1	64°	27'			
			2	63°	45'			
			3	61°	11'			9066712
			4	58°	34'			
			5	56°	00'			
			6	53°	47'			9066714
			7	50°	34'			
			8	47°	23'			
			9	43°	33'			9066716
			10	39°	15'			
			11	34°	00'			
			12	30°	55'			9066718
			13	[illegible]	[illegible]			
			14	23°	10'			
		[illegible]	15	20°	47'			9066720
				00	00			
				00	00			
				00	00			9066722
				00	00			
				00	00			9091742
				00	00			



Pg 172 A

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 167
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes JTG Date 4-5-67
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. 3792 Pg. 168 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

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

Indexed 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					
				92	31			
				00	00			
				00	00			9066708
				00	00			
				00	00			
				00	00			9066710
				54	08			
				50	09			
				45	30			9066730
				37	56			
				34	45			
				00	00			9066732
				00	00			
				00	00			
				00	00			9066734
				87	29			
				00	00			
				00	00			9066736
				00	00			
				00	00			
				00	00			9066738

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.	909+16 ± N L.	R.
TBM #8	0.66	13.14		12.48	ELEV = 12.48	
T.P.	6.50	11.14	8.20	4.94	ROCK LEFT	
			9.28	2.16	35± SAT 1X2	
			7.0	4.4		± SAND
			0.3	11.1		39± BLDG LINE
			+5.4	16.8		55± FLOOR BLDG
T.P.			6.72	4.72		
	0.96	3.12		2.16	T.P. 35 FT LEFT 1X2	
			2.7	0.4	40	
			4.5	-1.4	100	
					25 CUT GUN 904+16± SIGHT 909+16±	
			6.7	-3.6	#1 18° 41'	
			9.1	-6.0	2 23 53	
			12.1	-9.0	3 28 36	
			14.5	-11.4	4 31 42	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted Job No. 03002 Division No. 11
No. Date Date Survey of MALIBU AREA HYDRO.
X-Sec. Notes Chkd. Checked Survey by PREECE Notes ADAMS Date 4-5-67
No. Date Date Map No. Indexed C.J. GALLK Date

F.B. 3792 Pg. 169

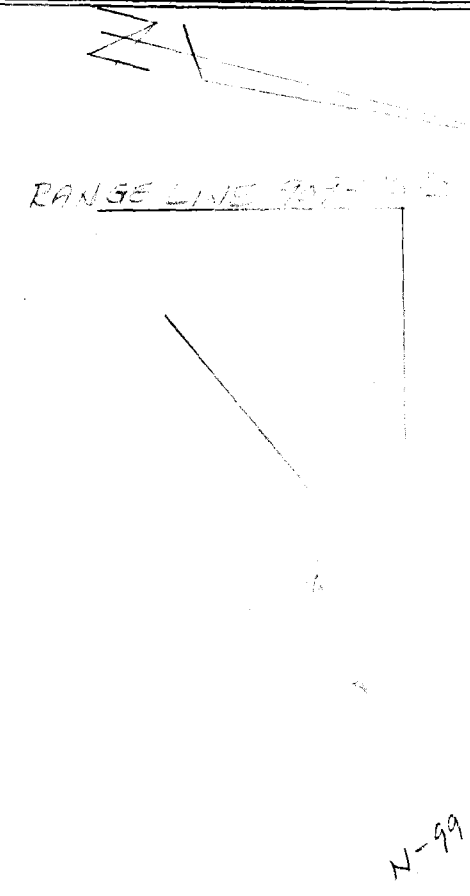
76S420A - CE 353A - Cdb 9-62

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 909+16.84

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-99	12:53	1	100°	58'			
			2	102°	06'			
			3	103°	35'			
			4	104°	38'			
			5	105°	33'			
			6	107°	05'			
			7	109°	[illegible]			
			8	110°	[illegible]			
			9	113°	10'			
			10	116°	06'			
			11	120°	20'			
			12	123°	55'			
			13	126°	44'			
			14	130°	00'			
			15	133°	42'			
			16	138°	44'			
			17	143°	05'			
			18	146°	56'			
			19	150°	37'			
		1:57	20	154°	32'			
(KI)		12:57		00	00			



Profile Notes Red. ____ Plotted ____ Job No. 0300-02 Division No. 11 F. B. 3792 Pg. 171
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. 3792 PG. 172 | 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.

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					

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.

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle Nº	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range	Line	Card Nº
Don't Punch	Don't Punch	Don't Punch	Don't Punch			Deg.	Min.	
				79	02			
				77	54			
				76	25			90911708
				75	22			
			5	74	27			
				72	55			90911710
				70	55			
				69	10			
				66	50			90911712
			10	63	54			
				59	40			
				56	05			90911714
				53	16			
				50	00			
			15	46	18			90911716
				41	16			
				36	55			
				33	04			90911718
				29	23			
			20	25	28			
				00	00			90911720

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. 3792 Pg. 1714

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F. B. 3772 Pg. 172A Job No. Division No. Notes Red. Plotted

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

Profile

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			9091722
				87	29			
				00	00			
				00	00			9091724
				00	00			
				00	00			
				00	00			9091726
				31	42			
				28	36			
				23	53			9091734
				18	41			
				00	00			
				00	00			9091736
				00	00			
				00	00			
				00	00			9091738
				87	29			
				00	00			
				00	00			9091740

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	911+67±	
	7.48	12.20		4.72	T.P. FROM PREVIOUS PAGE	
			9.10	3.10	28.5 LEFT SET 1x2	
			6.9	5.3		℄ SAND RIGHT
			1.4	10.8		38° GR. [illegible]
			1.0	11.2		72° BOT BANK
			+4.0	16.2		84° TOP "
			+4.0	16.2		87° CURB
T.P.			0.37	11.83	ROCK	
	2.18	5.28		3.10	T.P. 1x2 28.5 FT LEFT	
			0.7	4.6	5 FT LEFT MH.W.	
			3.2	2.1	35	
			5.4	-0.1	100	
					(3E) GUT GUN 904+16.4 SIGHT ON 911+67±	
			7.7	-2.4	#1 12° 18'	
			9.4	-4.1	2 15 29	
			13.0	-7.7	3 19 25	
			15.0	-9.7	4 22 22	
			17.0	-11.7	5 24 38	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3792 Pg. 173
Date ____ Date ____ Survey of MALIBU AREA HYDRO.
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by DREIER Notes ADAMS DREIER Date 4-5-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76S420A - CE 353A - Cdb 9-62

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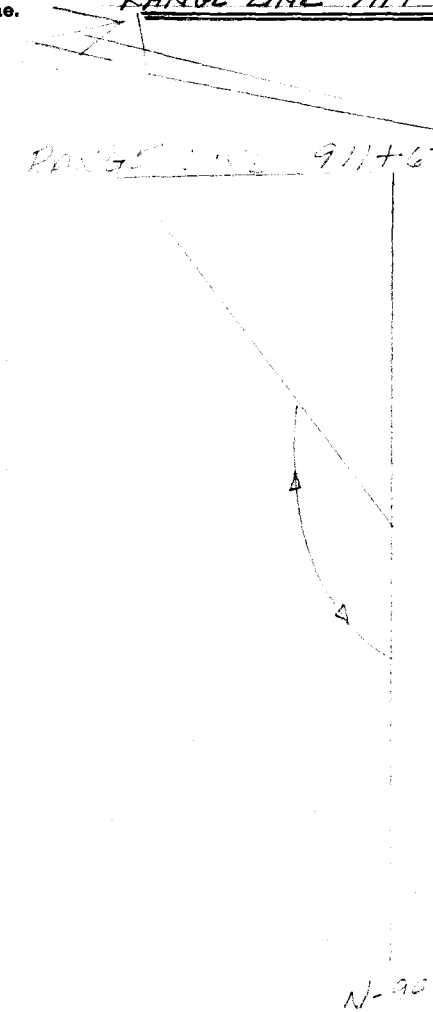
Do not extend notes this side of this line.

RANGE LINE 911+67.08

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-99	1:03	1	110°	50'			
			2	112°	02'			
			3	113°	45'			
			4	[illegible]	09'			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			
			10	134°	04'			
			11	[illegible]	[illegible]			
			12	[illegible]	25'			
			13	148°	57'			
			14	153°	25'			
			15	157°	[illegible]			
			16	160°	43'			
		1:07	17	[illegible]	[illegible]			



Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. [illegible] Division No. 11 Survey of [illegible] Survey by [illegible] Notes [illegible] Date ____ F. B. [illegible] Pg. 175

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3792 PG. 176 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by Notes J.9. Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				69	10			
				67	58			
				66	15			9116708
				64	51			
			5	62	53			
				60	17			9116710
				57	35			
				53	28			
				50	03			9116712
			10	45	56			
				39	52			
				34	35			9116714
				31	03			
				26	35			
			15	22	51			9116716
				19	17			
				17	28			
			15	00	00			9116718
				00	00			
				00	00			
				00	00			9116720

Profile Notes Red.____ Plotted____ Job No.____ Division No.____ F. B. Pg. 175A

No.____ Date____ Date____ Survey of____

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

No.____ Date____ Date____ Map No.____ Indexed____ Date____

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

F. B. 3792 Pg. 176 Job No. Division No. Notes Red. Plotted No.

Survey of Notes Date Notes Chkd. Checked Date X-Sec. No.

Survey by Notes Date Date Profile

Indexed

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				87	29			
				00	00			
				00	00			9116722
				00	00			
				00	00			
				00	00			9116724
				24	38			
				22	22			
				19	25			9116732
				15	29			
				12	18			
				00	00			9116734
				00	00			
				00	00			
				00	00			9116736
				87	29			
				00	00			
				00	00			9116738
				00	00			
				00	00			
				00	00			9116740

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by RICHARDS
Checked	Notes UHARRIET Date 4-6-67
Date	Indexed C. J. GALLI

F. B. 3792 PG. 177

TIDE GAGE READINGS
APRIL 6, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	4.3
6:30	4.5
7:00	4.7
7:30	4.7
8:00	4.6
8:30	4.2
9:00	3.9
9:30	3.2
10:00	2.7
10:30	2.0
11:00	1.4
11:30	1.0
12:00	0.4
12:30	0.0
13:00	-0.2
13:30	-0.4
14:00	-0.4

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.

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76F309S CE#310 1-65

F. B 3792 PG. 178

April 4, 1967

Predicted Tide

Observed Tides

6 4 2 0

6 8 10 12 2 4 6

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76-L-296 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.	914+27Σ N. (L) (R)
T.P.	2.48	1431		1183.	T.P. FROM PREVIOUS PAGE
			8.02	629.	25° SET 1x2 LEFT
			60	83.	25° SAND
			67	76.	6° Bot Rock BANK
			270	1161.	℄ CHIS "X" ON Rock
			+47	190.	11° TOP BANK
			+49	192.	16° CURB.
T.B.M. #9			729	702.	FD C.E. TAG ℄ L. IN Rock CLEAR HSE # 21756
	0.77	7.06		629	T.P. 1x2 25 FT LEFT FLUSH
			25	46.	37 FT LEFT M.H.W. (93E. 00 N 101)
					CUT GUN AT 917+50 ± SIGHT ON N-100
			48	23.	58 FT LEFT
			68	03.	#1 18° 15' ROCKY
			85	-14.	2 31 27
			131	-60.	3 57 51
			138	-67.	4 70 33
			150	-79.	5 78 16

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 030002 Division No. 4 F.B. 3792 Pg. 179
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
X-Sec. Notes Chkd. ____ Checked ____ Survey by ADAMS & DREIER Notes ADAMS & DREIER Date 4-6-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALL Date ____

765420A - CE 353A - Cdb 9-62

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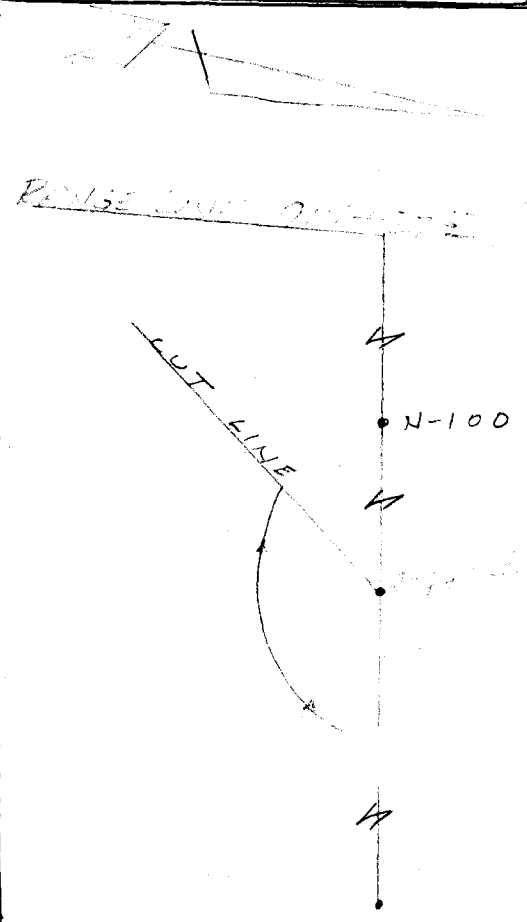
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 914+27.67

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					
[illegible]	N-99	[illegible]	1	116°	34'			
			2	119°	20'			
			3	[illegible]	[illegible]			
			4	125°	15'			
			5	[illegible]	38'			
			6	133°	33'			
			7	138°	19'			
			8	142°	23'			
			9	145°	48'			
			10	152°	51'			
			11	156°	46'			
			12	160°	12'			
			13	163°	45'			
		8:35	14	166°	42'			



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

F. B. 3792 Pg. 181

F. B. 3792 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 Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.

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726 Los Angeles County Engineering Bldg.

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76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
				135	21			
				00	00			
				00	00			9142822
				00	00			
				00	00			
				00	00			9142824
				44	39			
				00	00			
				00	00			9142834
				00	00			
				00	00			
				00	00			9142836
				78	16			
				70	33			
				57	51			9142838
				31	27			
				18	15			
				00	00			9142840
				00	00			
				00	10			
				00	06			9142842

Profile Notes Red. Plotted Job No. Division No.

No. Date Survey of

X-Sec. Date Notes

No. Notes Chkd. Checked Survey by Notes Date

Date Date Map No. Indexed Date

F. B. 3792 Pg. 181A

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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F. B. 3792 Pg. 182 A Job No. Division No. Notes Red. Plotted No. Profile

Survey of Date X-Sec.

Survey by Notes Chkd. Checked Date No.

Indexed Notes Date Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				63	26			
				60	40			
				57	33			9142810
				54	45			
			5	51	22			
				46	37			9142812
				41	41			
				34	40			
				31	12			9142814
			10	27	09			
				23	14			
				19	48			9142816
				16	15			
				13	18			
				00	00			9142818
				00	00			
				00	00			
				00	00			9142820

76-L-298 CE 307 2-63

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Profile Notes Red. Plotted Job No. 0300.07 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO
Notes Chkd. Checked Survey by ADAMS DREIER Notes ADAMS DREIER Date 4-6-67
No. Date Date Map No. Indexed C.J. GALLI Date

F.B. 3792 Pg. 183

STATION	B. S.	H. I.	F. S.	ELEV.	917+76 ⊥ N. (L)	(R)
T.B.M.#9	7.28	14.30		7.02	FD. C.E. TAG & L. IN ROCK	ELEV=7.02
			9.83	4.47	14° SET 1x2 LEFT	
			10.3	4.0	14° SAND	RIGHT
			8.9	5.4		℄ CHIS "X" IN ROCK
			4.4	9.9		40± GR. CH.
			1.1	13.2		87± PILING WOOD DECK
			+1.1	15.9		87± DECK
			+5.3	19.6		98° CONC. PATIO
T.P.			7.05	7.25	Rock	113± BLDG LINE
	2.69	7.16 (2, 4.6, 6)		4.47		
					CUT GUN 922+37 ⊥	(E) SIGHT ON N-101
			17.6	-10.4	#1 27° 11'	DATUM MEAN LOWER LOW WATER
			15.8	-8.6	2 25 01	
			11.9	-4.7	3 19 32	ROCKY
			10.7	-3.5	4 13 12	
			8.2	-1.0	5 8 52	
			6.7	0.5	6 6 02	
			5.2	2.0	28 FT LEFT	
			2.6	4.6	14 " " M.H.W.	

76S420A - CE 353A - Cdb 9-62

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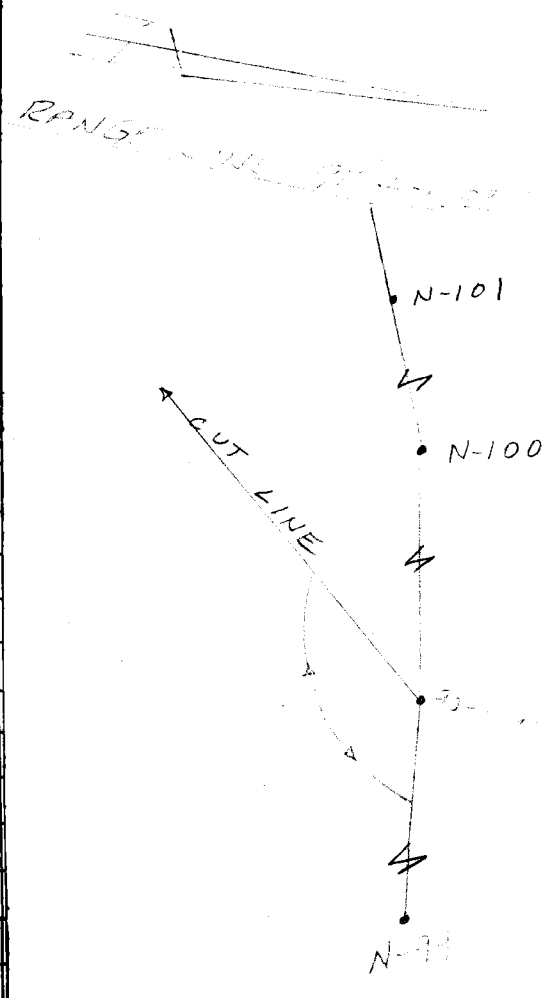
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line. RANGE LINE 917+76.09

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]	[illegible]	[illegible]	1	[illegible]	55'			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	2			
			[illegible]	127°	33'			
			[illegible]	128°	58'			
			[illegible]	132°	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	139°	[illegible]			
			[illegible]	[illegible]	19'			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
		8:55	[illegible]					



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

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

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

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

F. B. 3792 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.

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.

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE NO	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD NO
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				99	49			
				00	00			
				00	00			9177626
				00	00			
				00	00			
				00	00			9177628
				80	11			
				00	00			
				00	00			9177636
				00	00			
				00	00			
				00	00			9177638
				27	11			
				25	01			
				19	32			9177640
				13	12			
				8	52			
				6	02			9177642
				00	00			
				00	00			
				00	00			9177644

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

No.____ Date____ Date____ Survey of____

X-Sec. Notes Ckd.____ Checked____ Survey by____ Notes____ Date____

No.____ Date____ Date____ Map No.____ Indexed____ Date____

F. B. 3792 Pg. 185 A

76L298 307 Cab 12-62

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Do not extend notes this side of this line.

F. B. 3792 Pg. 186A Job No. Division No. Notes Red. Plotted

Survey of Date No. X-Sec.

Survey by Notes Chkd. Checked

Indexed Notes Date Date

Profile

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				58	05			
				56	16			
				54	39			9177612
				52	27			
			5	50	02			
				47	10			9177614
				44	02			
				40	52			
				37	41			9177616
			10	34	01			
				30	56			
				26	27			9177618
				25	54			
				23	05			
			15	20	55			9177620
				19	02			
				18	07			
				00	00			9177622
				00	00			
				00	00			
				00	00			9177624

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. 2300.02 Division No. 11
No._____ X-Sec. Date_____ Date_____ Survey of MALIBU AREA HYDRO. Date 4-6-67
No._____ Notes Chkd._____ Checked_____ Survey by ADAMS, DREIER Notes ADAMS, DREIER
No._____ Date_____ Date_____ Map No._____ Indexed C.J. GALT Date_____

F.B. 3792 Pg. 187

STATION	B. S.	H. I.	F. S.	ELEV.	920+298 N. (L) (R)
	6.88	14.13		7.25	T.P. FROM PREVIOUS PAGE
			8.66	5.47	37° LEFT SET 1 x 2
			8.8	5.3	37° SAND
			6.1	8.0	℄ SAND
			3.9	10.2	RIGHT 25° BOT. BANK
			1.5	12.6	29° BOT PILING
			+7.9	22.0	29° TOP WOOD DECK
			+5.9	20.0	71° BOT. OF FOUNDATION
T.P.			5.06	9.07	
	1.26	6.73		5.47	T.P. 1 x 2 37 FT LEFT
			2.1	4.6	47 FT LEFT M.H.W.
			3.5	3.2	67 " " I.W.
					CUT GUN 922+37 ℄ SIGHT ON N-101
			6.3	0.4	#1 27° 25'
			8.2	-1.5	2 35 18
			11.5	-4.8	3 44 52
			15.0	-8.3	4 49 25

DATUM
MEAN LOWER LOW WATER

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

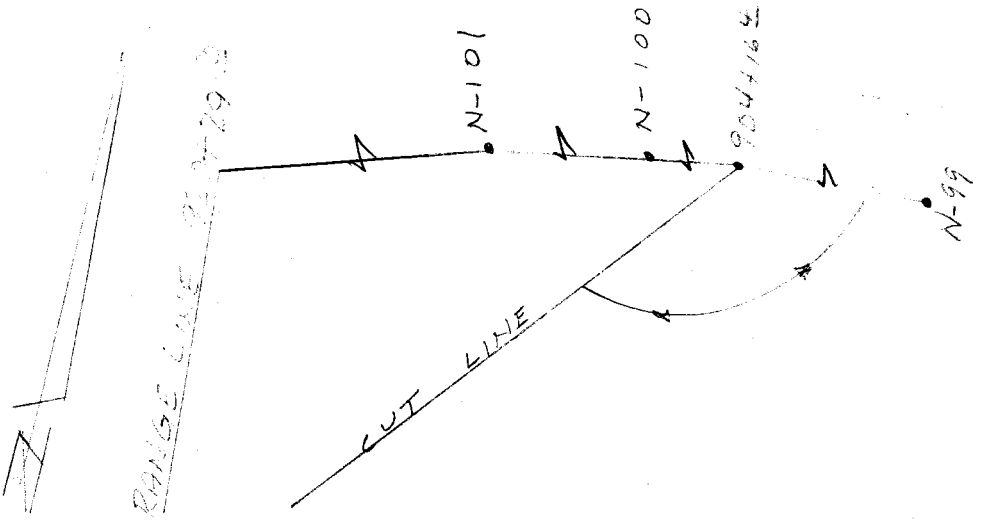
LOS ANGELES COUNTY SURVEYOR

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 920+29.80

Profile No.	Notes Red.	Plotted	Job No.	Division No.	F. B.	Pg. 189
	Date	Date	Survey of	[illegible]		
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS	Notes J.G.	Date	
	Date	Date	Map No.	Indexed C. J. GALLI	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.	For Office Use Only: Range Line Min.	For Office Use Only: Card No
[illegible]	[illegible]	9:06	1	[illegible]	48'			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	07'			
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			
			19	[illegible]	[illegible]			
			20	[illegible]	[illegible]			

F. B. 3792 PG. 190 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.

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				56	12			
				54	13			
				51	55			92030 12
				49	57			
			5	47	18			
				44	20			92030 14
				40	54			
				37	06			
				32	53			92030 16
			10	30	34			
				28	08			
				26	07			92030 18
				23	45			
				21	44			
			15	19	24			92030 20
				16	58			
				15	20			
				00	00			92030 22
				00	00			
				00	00			
				00	00			92030 24

Profile Notes Red.____ Plotted____ Job No.____ Division No.____ F. B. 3792 Pg. 189A

No.____ Date____ Date____ Survey of____

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

No.____ Date____ Date____ Map No.____ Indexed____ Date____

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				80	11			
				00	00			
				00	00			9203026
				00	00			
				00	00			
				00	00			9203028
				58	03			
				52	31			
				47	30			9203036
				40	14			
				30	10			
				00	00			9203038
				00	00			
				00	00			
				00	00			9203040
				99	49			
				00	00			
				00	00			9203042
				00	00			
				00	00			
				00	00			9203044

F. B. 3792 PG. 94A

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

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

Survey by ____ Notes ____ Notes Chkd. ____ Checked ____

Indexed ____ Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 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.	922 + 37.9 N. L.	
	730	1637		907	T.P. FROM PREVIOUS PG	
			11.17	520	50° LEFT SET 1X2	
			11.3	51	50° SAND	
			50	114		℄ SAND
			45	119		4° RIGHT GR. CH.
			38	126		25° " "
			15	149		31° PILINGS
			+45	209 119		31° WOOD DECK
			+25	189 139		76 BOT FOUNDATION
	121	641		520	1X2 50 FT LEFT	F
			18	46	56 FT LEFT M.H.W.	
			40	24	79 " "	
					CUT GUN 920+29.8 IE	SIGHT ON 922+37.2
			61	03	#1 30° 10'	
			81	-17	2 40 14	
			100	-36	3 47 30	
			126	-62	4 52 31	
			165	101	5 58 03	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 191
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by ADAMS PREIER Notes ADAMS PREIER Date 4-6-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLT Date ____

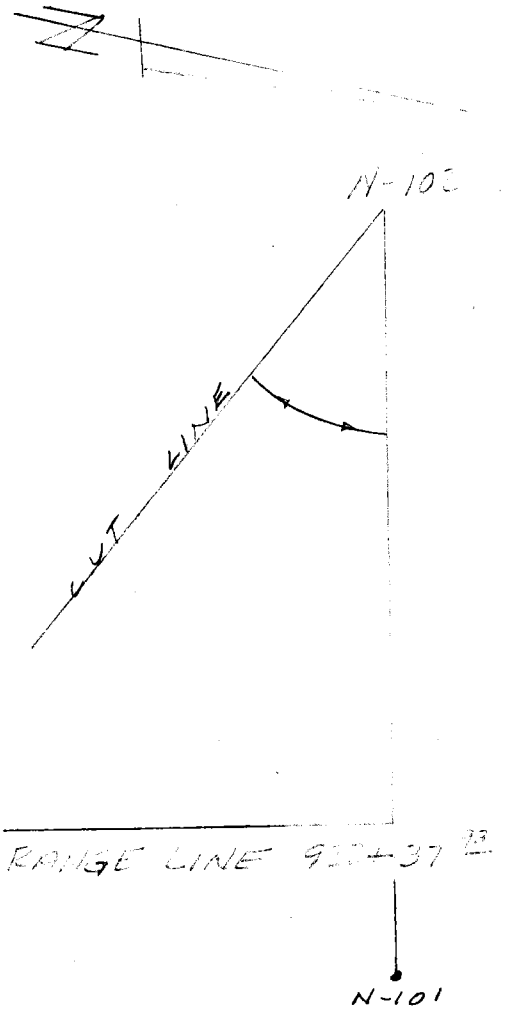
76S420A - CE 353A - Cdb 9-62

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 922+37.93

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-102	N-101	9:27	1	45°	00'			
			2	42°	31'			
			3	40°	02'			9223812
			4	[illegible]	37'			
			5	34°	47'			
			6	32°	15'			9223814
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	22°	52'			9223816
			10	19°	46'			
			11	16°	42'			
			12	14°	37'			9223818
			13	12°	21'			
			14	10°	39'			
			15	08°	40'			9223820
			16	07°	20'			
			17	06°	09'			
			18	05°	24'			9223822
		9:31	19	03°	03'			
				00	00			
				00	00			9223824



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. [illegible] Pg. 193
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes ____ Date ____
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					
				91	18			
				00	00			
				00	00			9223810
				00	00			
				00	00			
				00	00			9223812
				58	03			
				52	31			
				47	30			9223834
				40	14			
				30	10			
				00	00			9223836
				88	42			
				00	00			
				00	00			9223840
				00	00			
				00	00			
				00	00			9223842
				00	00			
				00	00			
				00	00			9223826

Checked extra page 194 A

F. B. 3792 PG. 194 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.

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
No. Date Date Survey of MARINA DEL REY HARBOR
X-Sec. Notes Chkd. Checked Survey by ADAMS BRAUER Notes ADAMS BRAUER Date 4-6-67
No. Date Date Map No. Indexed C.J. GATH Date

F.B. 3792 Pg. 195

STATION	B. S.	H. I.	F. S.	ELEV.	922+83 5N -	
		16.37			H.I. FROM PREVIOUS PAGE	
			1092	545.	53° LEFT SET 1X2	
			11.1	53.	53° SAND	
			62	102.		℄ SAND RIGHT
			48	116.		27° BOT. BANK
			00	164.		35° TOP "
			+11	175.		46° PILINGS BLDG
		(+)	47	211		46° TOP WOOD DECK
T.P.			725	912.	Rock	
	096	6 41.		545	1X2 53 FT LEFT	
					CUT GUN AT 920+29.8 SIGHT ON 922+83.5	
			168	-10.4	1 59° 12'	
			140	-76.	2 54 16	
			112	-48.	3 49 12	
			91	-27.	4 42 03	
			66	-02.	5 30 47	
			58	06.	6 23 51	
			18	46.	59 FT L. M.H.W.	
			08	56.	50 " "	

DATUM
MEAN LOWER LOW WATER

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE NO	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD NO
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				00	00			
				00	00			
				00	00			9481144
				00	00			
				00	00			
				00	00			9523722
				00	00			
				00	00			
				00	00			9556342
				00	00			
				00	00			
				00	00			9606542
				00	00			
				00	00			
				00	00			9623722
				00	00			
				00	00			
				00	00			9656024
				00	00			
				00	00			
				00	00			9681624

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. 3792 Pg. 195-A

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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✓

Do not extend notes this side of this line.

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			9223838
				00	00			
				00	00			
				00	00			9279126
				00	00			
				00	00			
				00	00			9355242
				00	00			
				00	00			
				00	00			9380622
				00	00			
				00	00			
				00	00			9405922
				00	00			
				00	00			
				00	00			9431044 ← Pg 194-A
				00	00			
				00	00			
				00	00			9450644 ← Pg 3793-15

F. B. 3792 PG. 194A Job No. Division No. Notes Red. Plotted Profile

Survey of Date No.

Survey by Notes Checked X-Sec.

Indexed Date Date No.

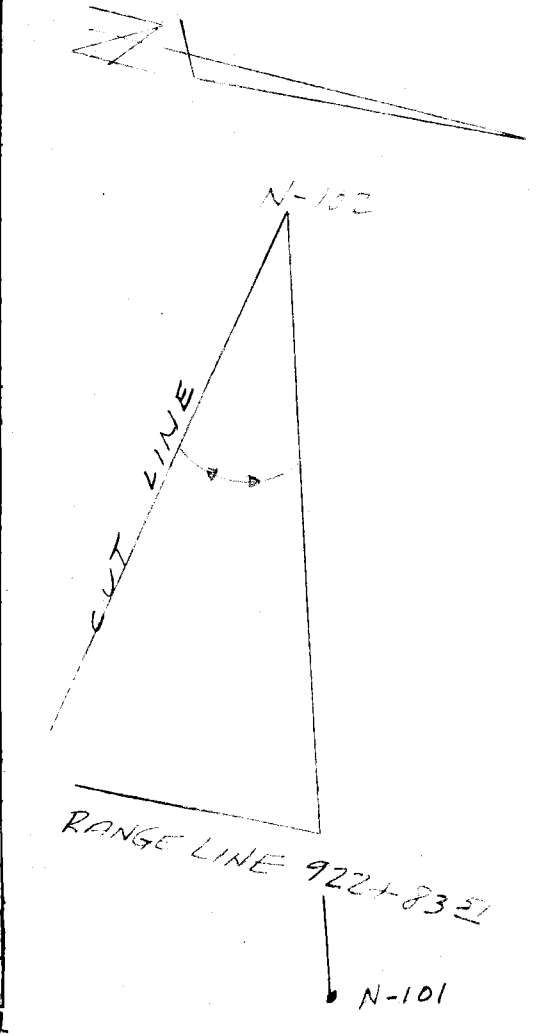
76S420A - CE 353A - Cdb 9-62

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 922+83.51

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-102	N-101	[illegible]	1	40°	11'			
			2	38°	26'			
			3	[illegible]	12'			9228412
			4	[illegible]	[illegible]			
			5	31°	44'			
			6	29°	8'			9228414
			7	[illegible]	15'			
			8	[illegible]	38'			
			9	[illegible]	30'			9228416
			10	[illegible]	[illegible]			
			11	17°	40'			
			12	15°	28'			9228418
			13	13°	00'			
			14	11°	07'			
			15	[illegible]	[illegible]			9228420
			16	[illegible]	45'			
		[illegible]	17	[illegible]	[illegible]			
				00	00			9228422
				00	00			
				00	00			
				00	00			9228424



Profile Notes Red. ____ Plotted ____ Job No. 9300 FL Division No. 11 F. B. 3192 Pg. 197
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 4-6-69
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 3792 Pg. 198 Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROLOGIC SURVEY Date Date No.

Survey by Richards Notes T.S. Notes Chkd. Checked X-Sec.

Indexed Date Date No. Profile

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					
				99	49			
				00	00			
				00	00			9228410
				00	00			
				00	00			
				00	00			9228412
				59	12			
				54	16			
				49	12			9228432
				42	03			
				30	47			
				23	51			9228434
				00	00			
				00	00			
				00	00			9228436
				80	11			
				00	00			
				00	00			9228438
				00	00			
				00	00			
				00	00			9228440

76-L-298 CE 307 2-63

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

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	925+37 2	
	617	1529		912	T.P. FROM PREVIOUS PAGE	
			1077	452	64° LEFT SET 1x2	
			108	45	64° SAND	
			51	102		℄ SAND
			40	113		8° RIGHT GR CH
			37	116		27° BOT BANK
			+30	183		40° TOP "
			+36	189		46° BOT. PILINGS BLDG
			+71	224		46° TOP WOOD DECK
T.P.			646	883	Rock	
	148	600		452	1x2 64 FT. LEFT	
			14	46	63 FT L. M.H.W.	
			37	23	75 " "	
			[illegible]		CUT GUN AT 922+83 5	SIGHT ON 925+37 2
			62	-02	#1 27 11	
			75	-15	2 36 06	
			95	-35	3 45 28	
			117	-57	4 51 12	
			152	-92	5 57 04	

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 AREA HYDRO. Survey by ADAMS DREIER Notes ADAMS DREIER Date 4-6-67 Map No. Indexed C. J. GALLI Date

F.B. 3792 Pg. 199

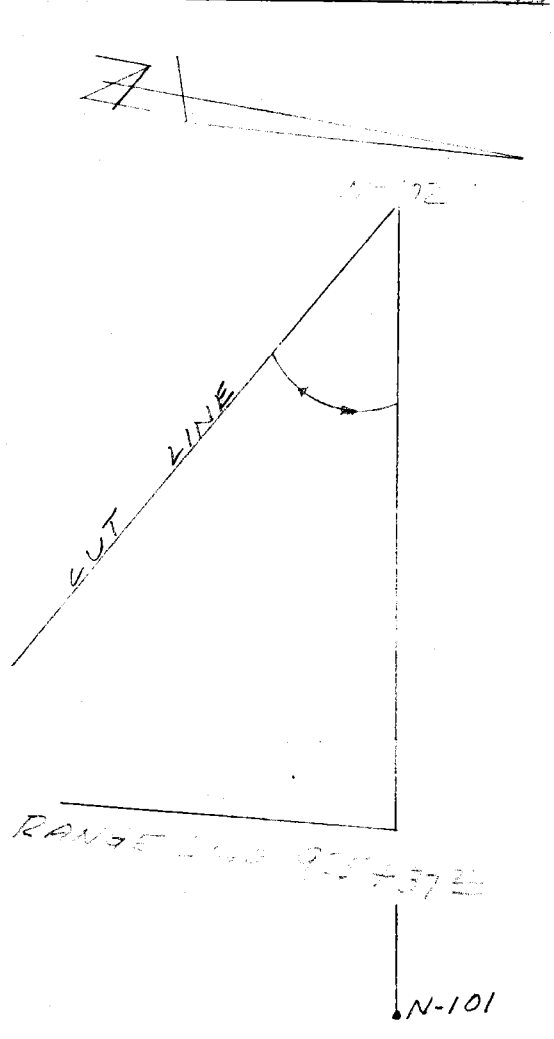
76S420A - CE 353A - Cdb 9-62

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 925+37.22

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-102	N-101	9:53	1	43°	04'			
			2	41°	21'			
			3	39°	15'			9253712
			4	36°	57'			
			5	34°	45'			
			6	32°	14'			9253714
			7	29°	08'			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			9253716
			10	[illegible]	30'			
			11	1[illegible]	48'			
			12	16°	07'			9253718
			13	14°	07'			
			14	12°	32'			
			15	10°	20'			9253720
			16	08°	25'			
			17	07°	00'			
		9:57	18	06°	09'			9253722
				00	00			
				00	00			
				00	00			9253724



Profile Notes Red. ____ Plotted ____ Job No. 030007 Division No. 11 F. B. 3792 Pg. 201
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes J.G. Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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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					
				99	49			
				00	00			
				00	00			9253708
				00	00			
				00	00			
				00	00			9253710
				57	04			
				51	12			
				45	28			9253732
				36	06			
				27	11			
				00	00			9253734
				00	00			
				00	00			
				00	00			9253736
				80	11			
				00	00			
				00	00			9253738
				00	00			
				00	00			
				00	00			9253740

F. B. 3792 PG. 202 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-296 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.	927+902	
T.P	597	1480		883.	T.P. FROM PREVIOUS PAGE	
			1046	434.	65° LEFT SET 1X2	
			106	12.	65° SAND	
			65	83.	28° GR. CH.	
			51	97.		SAND
			32	116.		RIGHT 29 BOT BANK
			+16	164.		41° TOP "
			+67	215.		66° GR CH.
			+61	209.		121° CURB @ STREET
T.P.			183	1297.		
	198	632 46		434	1X2 65 FT LEFT	
			17	46	62 FT LEFT M.H.W	
			53	10.	100 " "	
					CUT GUN 922+83.5 (2.5)	SIGHT ON 927+90!
			62	01.	#1 14° 51'	
			90	-27.	2 22 53	
			128	-65.	3 30 00	DATUM
			167	-104.	4 35 47	MEAN LOWER LOW WATER

Profile Notes Rod Plotted Job No. 03 00,02 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO.
No. Notes Chkd. Checked Survey by ADAMS BREIER Notes ADAMS BREIER Date 4-6-67
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3792 Pg. 203

765420A - CE 353A - Cdb 9-62

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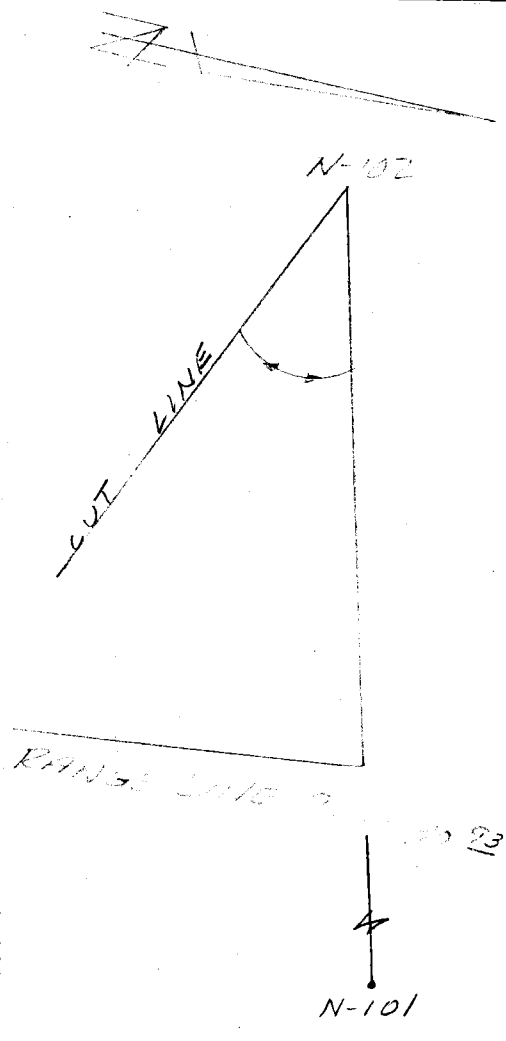
726 Los Angeles County Engineering Bldg.

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 927+90.23

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	10:04	1	49°	35'			
			2	49°	38'			
			3	46°	52'			9279112
			4	45°	05'			
			5	43°	33'			
			6	41°	38'			9279114
			7	39°	33'			
			8	36°	39'			
			9	34°	51'			9279116
			10	31°	51'			
			11	29°	01'			
			12	26°	47'			9279118
			13	23°	54'			
			14	19°	37'			
			15	16°	28'			9279120
			16	13°	36'			
			17	12°	23'			
			18	10°	22'			9279122
			19	08°	10'			
		12:09	20	06°	31'			
				00	00			9279124



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

F. B. 379 Pg. 205

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 3792 Pg. 206 | Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed Date Date Date No.

Profile

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					
				99	49			
				00	00			
				00	00			9279108
				00	00			
				00	00			
				00	00			9279110
				35	47			
				30	00			
				22	53			9279134
				14	51			
				00	00			
				00	00			9279136
				00	00			
				00	00			
				00	00			9279138
				80	11			
				00	00			
				00	00			9279140
				00	00			
				00	00			
				00	00			9279142

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.	930+94.6 (D)	(A)
	109	14.06		12.97	T.P. FROM PREVIOUS PG	
			9.71	4.35	62° SET 1X2 LEFT	
			9.8	4.3	62° SAND	
			3.6	10.5	4° GR. CH.	
			3.3	10.8		℄ SAND RIGHT
			3.0	11.1		27° BOT BANK
			+3.5	17.6		44° TOP "
			+4.0	18.1		53° BLDG LINE
			+6.9	21.0		53° TOP WOOD DECK
			6.37	7.69		
	214	6.49 (5)		4.35	1X2 62 LEFT	
			1.9	4.6	60 FT LEFT M.H.W	
			5.9	0.6	100 " "	
			~~6.3~~		CUT GUN 922+83±	SIGHT ON 930+44±
			6.2	0.3	1 9° 15'	
			8.5	-2.0	2 13 13	
			10.2	-3.7	3 16 52	DATUM
			14.4	-7.9	4 21 31	MEAN LOWER LOW WATER
			16.8	-10.3	5 24 60	

Profile Notes Red Plotted Job No. 0300.07 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO.
Notes Chkd. Checked Survey by ADAMS & DREIER Notes ADAMS & DREIER Date 4-6-67
No. Date Date Map No. Indexed C.J. GALLI Date
F.B. 3792 Pg. 207

76S420A - CE 353A - Cdb 9-62

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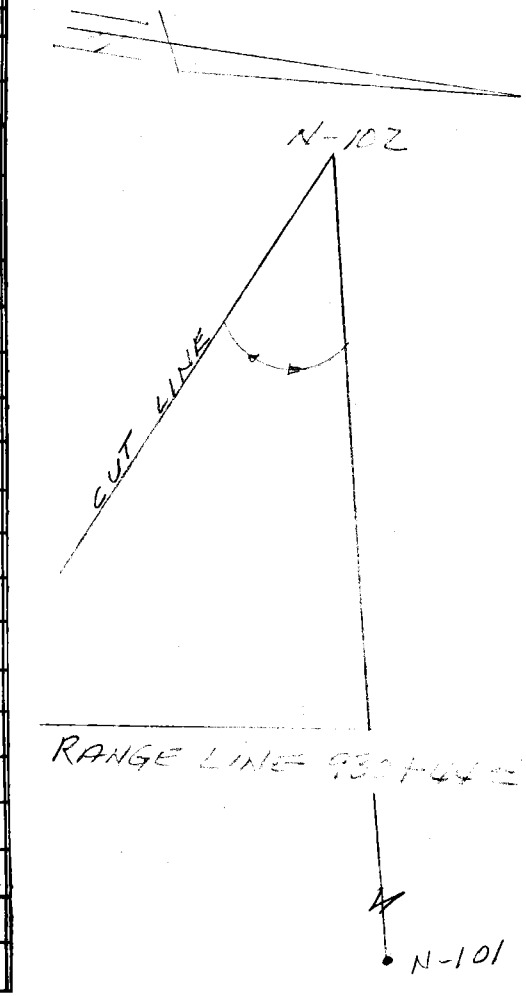
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 930+44.64

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-102	N-101	10:22	1	42°	06'			
			2	[illegible]	17'			
			3	[illegible]	[illegible]			9304512
			4	[illegible]	3'			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			9304514
			7	[illegible]	[illegible]			
			8		[illegible]			
			9	[illegible]	[illegible]			9304516
			10	23°	05'			
			11	19°	51'			
			12	17°	36'			9304518
			13	15°	44'			
			14	13°	33'			
			15	11°	13'			9304520
		[illegible]	16	08°	49'			
				00	00			
				00	00			9304522
				00	00			
				00	00			
				00	00			9304524



Profile Notes Red. ____ Plotted ____ Job No. 0300.07 Division No. 11 F. B. 3792 Pg. 209
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes J.G. Date 4-6-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F. B. 3792 Pg. 210 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes U.S. Notes Chkd. Checked

Indexed Date Date Date No.

Profile

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					
				99	49			
				00	00			
				00	00			9304508
				00	00			
				00	00			
				00	00			9304510
				24	00			
				21	31			
				16	52			9304532
				13	13			
				9	15			
				00	00			9304534
				00	00			
				00	00			
				00	00			9304536
				80	11			
				00	00			
				00	00			9304538
				00	00			
				00	00			
				00	00			9304540

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.	932+38 LT.
	7.96	15.15	•	769.	T.P. FROM PREVIOUS PG LEFT
			10.80	4.35	60° SET 1X2
			10.9	4.3	60° SAND
			6.0	9.2	℄ SAND
			3.5	11.7	RIGHT
			+5.3	20.5	28° BOT. BANK
			+2.2	17.4	36° OVERHANG WOOD DECK
					BOT. PILINGS
					45° ∠ UNDER BLDG
	2.33	6.68		4.35	1X2 60 FT. LEFT
			2.1	4.6	57 FT LEFT M.H.W.
			5.9	0.8	100 " "
					CUT GUN 930+44 SIGHT ON 932+38
			6.9	-0.2	#1 36° 27'
			8.5	-1.8	2 43 15
			11.0	-4.3	3 50 40
			15.0	-8.3	4 58 00
			16.9	-10.2	5 61 52

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted Job No. 03600.02 Division No. 11 F.B. 3792 Pg. 211
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO. Date 4-6-67
No. Date Notes Chkd. Checked Survey by ADAMS & DREIER Notes DREIER
Date Map No. Indexed C.J. GALLI Date

76S420A - CE 353A - Cdb 9-62

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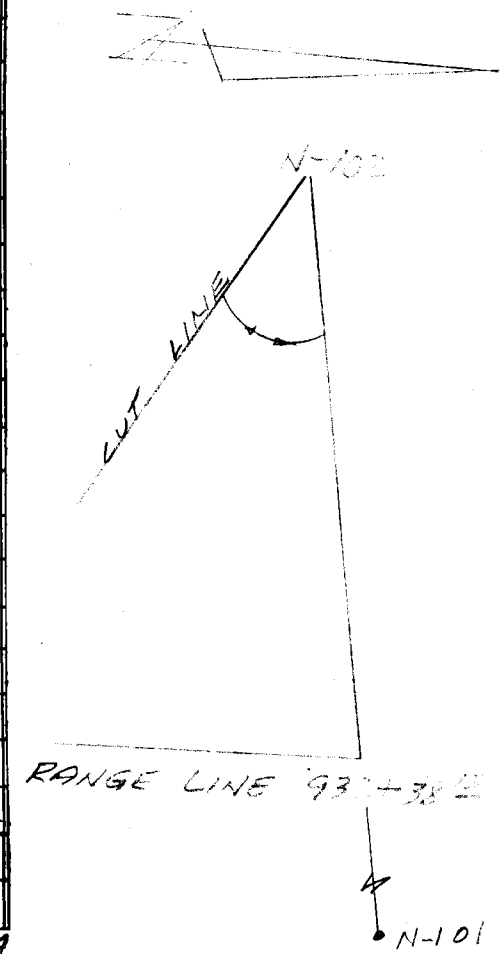
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 932+38.15

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-102	N-101	10:32	1	58°	44'			
			2	56°	38'			
			3	54°	36'			9323812
			4	51°	[illegible]			
			5	[illegible]	[illegible]			
			6	45°	14'			9323814
			7	41°	20'			
			8	37°	21'			
			9	32°	52'			9323816
			10	29°	37'			
			11	25°	39'			
			12	21°	39'			9323818
			13	18°	12'			
			14	16°	06'			
			15	12°	16'			9323820
		10:36	16	10°	07'			
				00	00			
				00	00			9323822
				00	00			
				00	00			
				00	00			9323824



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 213
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. [illegible] Date ____

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Do not extend notes this side of this line.

F. B. 3792 Pg. 214 | 0300.02 Job No. Division No. 11

Survey of HYDROGRAPHIC SURVEY

Survey by RICHARDS Notes J.G.

Indexed Date

Profile No. X-Sec. No.

Notes Red. Plotted

Date Date

Notes Chkd. Checked

Date Date

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only Range Deg.	Range Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				91	18			
				00	00			
				00	00			9323808
				00	00			
				00	00			
				00	00			9323810
				61	52			
				58	00			
				50	40			9323832
				43	15			
				36	27			
				00	00			9323834
				00	00			
				00	00			
				00	00			9323836
				88	42			
				00	00			
				00	00			9323838
				00	00			
				00	00			
				00	00			9323840

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.	932+98.4	
		1515			H.I. FROM PREVIOUS PG	
			1063	452	61° LEFT SET 1X2	
			108	44	61° SAND	
			46	106	10° GR. CH.	
			41	111		℄ SAND
			37	115		RIGHT 25° BOT. BANK
			+20	172		37° TOP "
			+29	181		47° BLDG LINE
			+63	215		47° TOP WOOD DECK
T.P.			650	865		
	271	723 46		452	2E	
					CUT GUN AT 930+44.6	SIGHT ON 932+98.4
			172	-100	#1 58° 00'	
			142	-70	2 53 40	
			111	-39	3 46 11	
			83	-11	4 34 30	
			73	-01	5 28 41	
			69	03	106 FT LEFT	
			26	46	60 " " M.H.W.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 3792 Pg. 215
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
X-Sec. Notes Chkd. ____ Checked ____ Survey by ADAMS DREIER Notes ADAMS DREIER Date 4-6-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

Cdb 9-62

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726 Los Angeles County Engineering Bldg.

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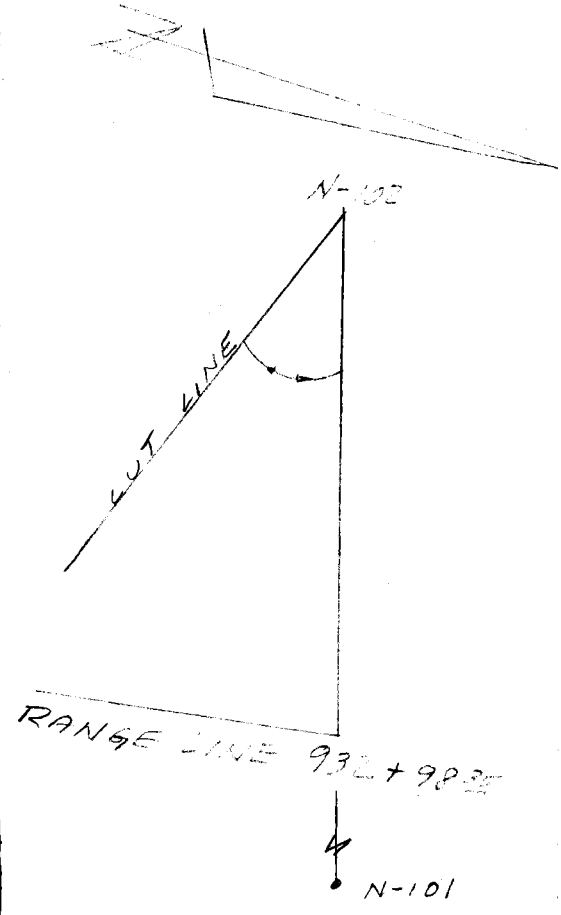
Do not extend notes this side of this line. RANGE LINE 932+98.35

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	10:46	1	56°	46'			
			2	54°	58'			
			3	53°	24'			9329812
			4	51°	03'			
			5	49°	52'			
			6	48°	19'			9329814
			7	45°	17'			
			8	43°	37'			
			9	42°	59'			9329816
			10	41°	03'			
			11	39°	13'			
			12	38°	35'			9329818
			13	36°	33'			
			14	34°	35'			
			15	32°	16'			9329820
			16	29°	58'			
		10:50	17	28°	30'			
				00	00			9329822
				00	00			
				00	00			
				00	00			9329824



Profile Notes Red. Plotted Job No. 3300.02 Division No. 11
No. Date Date Survey of HYDRAULICS Notes F.B. 3792 Pg. 217
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes J.G. Date 4-[illegible]-62
No. Date Date Map No. Indexed C.J.CALL Date

765420A - CE 353A -

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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.

F. B. 3792 Pg. 218 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 Date Date

Profile No. X-Sec. No.

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.	CARD NO.
				99	49			
				00	00			
				00	00			9329832
				00	00			
				00	00			
				00	00			9329834
				58	00			
				53	40			
				46	11			9329836
				34	30			
				28	41			
				00	00			9329838
				00	00			
				00	00			
				00	00			9329840
				80	11			
				00	00			
				00	00			9329842
				00	00			
				00	00			
				00	00			9329844

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.	935+52 ±	
	749	1614		865	T.P. FROM LEFT	PREVIOUS PG
			1098	516	60° SET 1X2	
			110	52	60° SAND	
			51	111	10° GR. CH.	
			49	112		℄ SAND
			47	114		23° BOT BANK
			+05	166		43° TOP "
			+40	201		40° CONC. CRB. @ ST
T.P.			479	1135		
	085	601		516	1X2 60 FT	
			14	46	64 FT LEFT M.HW.	
			47	13	100 " "	
			~~61~~		CUT GUN AT 930+44.6 SIGHT ON 935+52	
			61	-01	#1 15° 28'	
			74	-14	2 19 14	
			90	-30	3 23 51	
			120	-60	4 29 28	
			150	-90	5 33 49	

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0300.02 Division No. 11 F.B. 3792 Pg. 219
X-Sec. No. ___ Date ___ Date ___ Survey of MALIBU AREA HYDRO.
Notes Chkd. ___ Checked ___ Survey by ADAMS DREIER Notes ADAMS DREIER Date 4-6-67
Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date ___

76S420A - CE 353A - Cdb 9-62

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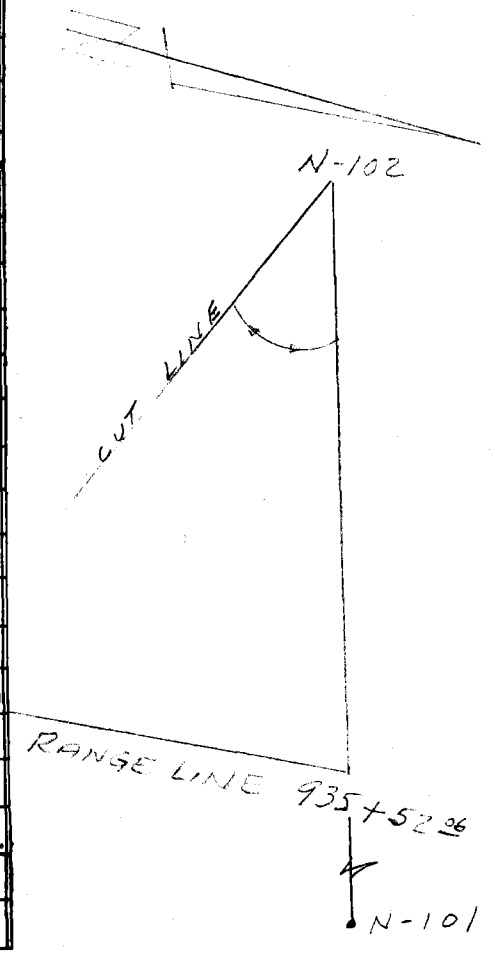
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 935+52.06

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-102	N-101	11:00	1	62°	35'			
			2	61°	13'			
			3	59°	55'			9355212
			4	58°	47'			
			5	57°	40'			
			6	56°	17'			9355214
			7	54°	37'			
			8	52°	47'			
			9	50°	49'			9355216
			10	48°	35'			
			11	45°	17'			
			12	41°	35'			9355218
			13	37°	10'			
			14	33°	53'			
			15	30°	16'			9355220
			16	26°	33'			
			17	23°	41'			
			18	20°	22'			9355222
			19	16°	52'			
		[illegible]	20	13°	35'			
				00	00			9355224



Profile Notes Red. ____ Plotted ____ Job No. 9300.02 Division No. 11 F. B. 379 Pg. 221
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes J.G. Date 4-6-67
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					
				99	45			
				00	00			
				00	00			9355208
				00	00			
				00	00			
				00	00			9355210
				33	49			
				29	28			
				23	51			9355234
				19	14			
				15	28			
				00	00			9355236
				00	00			
				00	00			
				00	00			9355238
				80	15			
				00	00			
				00	00			9355240
				00	00			
				00	00			
				00	00			9355242

F. B. 3792 PG. 222 Job No. 0360.02 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.

Checker

56 pg 194-4

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.

938+05.81

STATION	B. S.	H. I.	F. S.	ELEV.	
	3.64	14.99		11.35	T.P. FROM PREVIOUS
			10.28	4.71	72° SET 1x2 LEFT
			10.6	4.4	72° SAND
			8.2	6.8	48 GR CH.
			5.7	9.3	℄
			4.6	10.4	13° BOT BANK RIGHT
			+1.0	16.0	29° TOP "
			+3.3	18.3	66° BOT FOUNDATION
			+6.2	21.2	66° FLOOR BLDG
T.P.			6.83	8.16	
	0.75	5.46	~~4.71~~	4.71	1x2 72 FT LEFT
			0.8	4.7	70 FT LEFT M/H/W.
			3.8	1.7	100 " "
					CUT GUN AT 935+52, SIGHT ON 938+05.8
			5.7	-0.2	1 31° 09'
			7.0	-1.5	2 37 43
			9.1	-3.6	3 46 11
			11.3	-5.8	4 52 42
			14.0	-8.5	5 56 43

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted. Job No. 0300.02 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO
No. Notes Chkd. Checked Survey by BREIER ADAMS Notes BREIER Date 4-6-67
Date Date Map No. Indexed C.J. GALL Date
F.B. 3792 Pg. 223

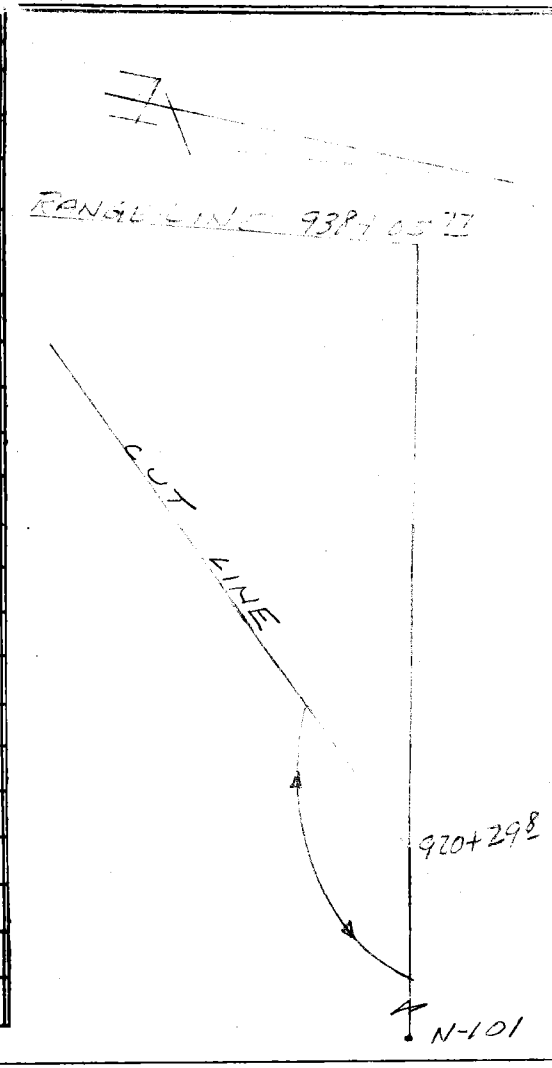
76S420A - CE 353A - Cdb 9-62

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.

179 Do not extend notes this side of this line. RANGE LINE 938+05.77

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					
920+29.8	N-101	11:[illegible]	1	121°	15'			
			2	124°	20'			
			3	126°	[illegible]			
			4	[illegible]	08'			
			5	13[illegible]°	54'			
			6	135°	36'			
			7	[illegible]	[illegible]			
			8	[illegible]	23'			
			9	[illegible]	49'			
			10	[illegible]	13'			
			11	[illegible]	03'			
			12	[illegible]	36'			
			13	[illegible]	30'			
			14	[illegible]	[illegible]			
			15	[illegible]	40'			
			16	167°	50'			
			17	169°	34'			
			18	171°	09'			
			19	172°	34'			
		11:33	20	173°	18'			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3792 Pg. 225
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. 3792 PG. 226 | 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.	Range Line Min.	Card No.

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	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					
				58	45			
				55	40			
				53	08			9380608
				50	52			
				48	06			
				44	24			9380610
				41	06			
				37	37			
				33	11			9380612
				30	47			
				26	57			
				22	24			9380614
				19	30			
				16	20			
				14	16			9380616
				12	10			
				10	26			
				8	51			9380618
				7	26			
				6	42			
				00	00			9380620

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. 3792 PG. 225 A

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F. B. 3792 Pg. 226 A Job No. Division No. Notes Red. Plotted

Survey of Date No. X-Sec.

Survey by Notes Chkd. Checked

Indexed Notes Date Date

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Min.	For Office Use Only Range Line Deg.	Min.	Card No.
				80	11			
				00	00			
				00	00			9380624
				00	00			
				00	00			
				00	00			9380626
				56	03			
				52	02			
				46	11			9380634
				37	43			
				31	09			
				00	00			9380636
				00	00			
				00	00			
				00	00			9380638
				80	11			
				00	00			
				00	00			9380640
				00	00			
				00	00			
				00	00			9380642

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. 8300.02 Division No. 11 F.B. 3792 Pg. 227
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO, ADAMS Date 4-6-67
No. Notes Chkd. Checked Survey by DREIER Notes DREIER Date
Date Date Map No. Indexed C.K. GALLI Date

940+59 5 ℄

STATION	B. S.	H. I.	F. S.	ELEV.	
	696	1512		816	T.P. FROM PREVIOUS PG.
			1004	508	76⁵ LEFT SETTLE
			103	48	76 SAND
			51	100	30 GR CH
			37	114	℄ BOT BANK
			+15	166	25 TOP "
			+19	176	33 GR AT EDGE OF WOOD DECK
			+45	196	33 TOP OF DECK
T.P.			696	866	
	113	621		508	1X2 76⁵ FT LEFT
			16	46	78 FT LEFT N.H.W.
			38	24	100 " "
					CUT GUN AT 935+52 SIGHT ON 940+59 ℄
			65	-03	1 15° 18'
			70	-08	2 18 21
			96	-34	3 25 32
			127	-65	4 31 04
			160	-98	5 35 45

DATUM
MEAN LOWER LOW WATER

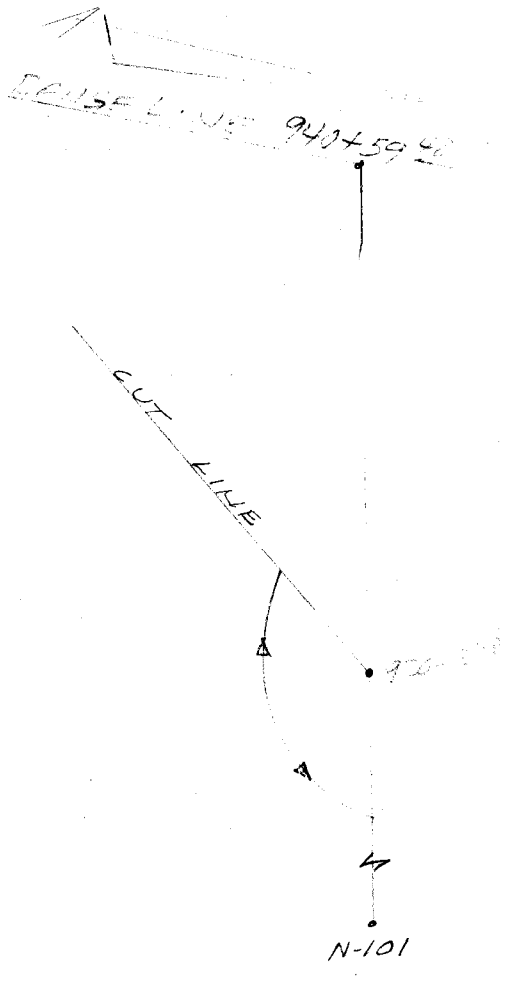
765420A - CE 353A - Cdb 9-62

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.

179 60 Do not extend notes this side of this line. RANGE LINE 940+59.48

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					
9764+20 S	N-101	[illegible]	1	126°	12'			
			2	127°	51'			
			3	2[illegible]°	25'			
			4	1[illegible]°	5'			
			5	[illegible]°	14'			
			6	134°	27'			
			7	142°	31'			
			8	125°	5[illegible]'			
			9	148°	52'			
			10	152°	18'			
			11	[illegible]°	5[illegible]'			
			12	[illegible]°	[illegible]'			
			13	16[illegible]°	5[illegible]'			
			14	[illegible]°	50'			
			15	[illegible]°	03'			
			16	[illegible]°	33'			
			17	171°	3'			
			18	78°	02'			
		[illegible]	19	73°	45'			



Profile Notes Red. Plotted Job No. 0350.07 Division No. 1 F. B. 3794 Pg. 229
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by LACSMWLS Notes Date
No. Date Date Map No. Indexed C.J. CALL Date

F. B. 3792 PG. 230 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.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				53	48			
				51	21			
				48	55			9405908
				46	13			
				43	46			
				40	33			9405910
				37	29			
				34	09			
				31	08			9405912
				27	42			
				23	51			
				20	02			9405914
				17	03			
				14	10			
				12	17			9405916
				10	27			
				8	47			
				6	58			9405918
				6	15			
				00	00			
				00	00			9405920

Profile Notes Red.____ Plotted____ Job No.____ Division No.____ F. B. 3792 Pg. 229 A

No.____ Date____ Date____ Survey of____

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

No.____ Date____ Date____ Map No.____ Indexed____ Date____

Cont. to Pg. 194(A)

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.

F. B. 3792 Pg. 23A Job No. Division No. Notes Red. Plotted Profile

Survey of Date No. X-Sec.

Survey by Notes Notes Chkd. Checked

Indexed Date Date Date No.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				80	11			
				00	00			
				00	00			9405924
				00	00			
				00	00			
				00	00			9405926
				35	45			
				31	04			
				25	32			9405934
				18	21			
				15	18			
				00	01			9405936
				00	00			
				00	00			
				00	00			9405938
				80	11			
				00	00			
				00	00			9405940
				00	00			
				00	00			
				00	00			9405942

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. 0300.07 Division No. 11
No._____ Date_____ Date_____ Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd._____ Checked_____ Survey by ADAMS & DERRICK Notes ADAMS Date 4-6-67
No._____ Date_____ Date_____ Map No._____ Indexed C.J. GALLI Date_____

F.B. 3792 Pg. 231

STATION	B. S.	H. I.	F. S.	ELEV.	942+38 4 N.L. (M)
	7.86	16.52		8.66	T.P. FROM PREVIOUS PG
			11.75	4.77	35° LEFT SAT 1X2
			12.1	4.4	85° SAND
			6.1	10.4	8° BOT. BANK
			2.9	13.6 14.6	℄ SAND
			0.6	15.9	RIGHT 10° TOP BANK
			+3.3	19.8	100° CONC BLK WALL
			+3.6	20.1	107° CONC CURB
N- 102			1.40	15.12	T.P. FD 1" I.P. WOOD & TAG
	1.33	6.10		4.77	1X2 85 FT LEFT
			1.5	4.6	83 FT LEFT MH.W.
			2.9	3.2	100 " "
			5.9	0.2	135 " "
					CUT GUN AT 935+52 SIGHT ON 942+38
			7.3	-12.1	15° 01
			10.0	-3.9	2 19 47
			14.8	-8.7	3 25 12
			17.1	-11.0	4 27 43
		1.20			

DATUM
MEAN LOWER LOW WATER

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				180	11			
				00	00			
				00	00			9423822
				00	00			
				00	00			
				00	00			9423824
				27	43			
				25	12			
				19	47			9423832
				15	01			
				00	00			
				00	00			9423834
				00	00			
				00	00			
				00	00			9423836
				180	11			
				00	00			
				00	00			9423838
				00	00			
				00	00			
				00	00			9423840

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

No.____ Date____ Survey of____

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

No.____ Date____ Map No.____ Indexed____ Date____

F. B. 3722 Pg. 233A

F. B. 3792 PG. 233 A Job No. Division No. Notes Red. Plotted

Survey of Date Date

Survey by Notes Notes Chkd. Checked

Indexed Date Date Date

				42	22			
				40	54			
				39	06			9423808
				37	00			
				34	50			
				32	41			9423810
				29	17			
				26	10			
				22	59			9423812
				20	15			
				17	37			
				15	50			9423814
				13	47			
				11	38			
				9	38			9423816
				7	58			
				6	39			
				00	00			9423818
				00	00			
				00	00			
				00	00			9423820

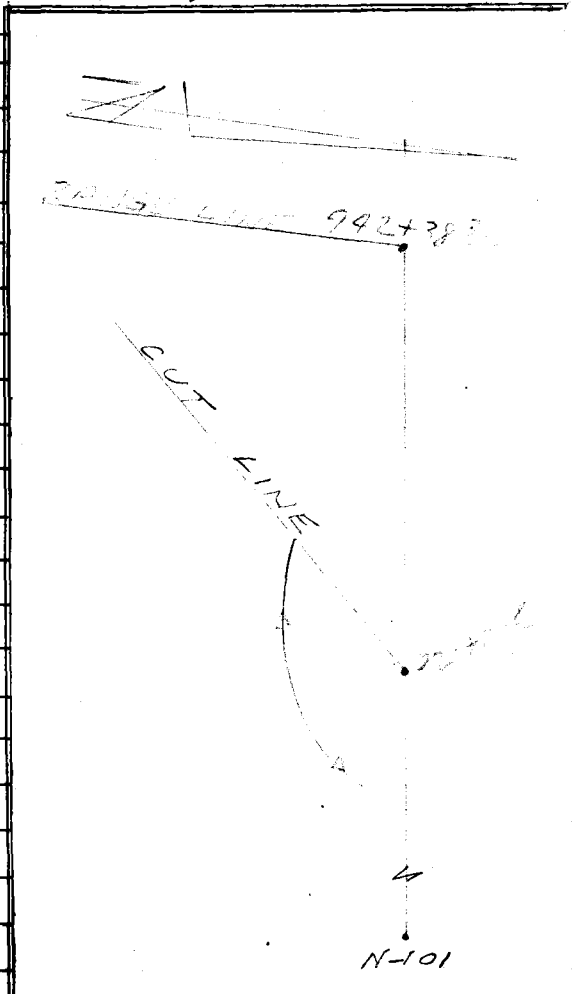
765420A - CE 353A - Cdb 9-62

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.

179 60 Do not extend notes this side of this line. RANGE LINE 992+38.36

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						
992+29E	N-101	11:55	1	137°	35'				
			2						
			3						
			4						
			5						
		11:59							



Profile Notes Red Plotted Job No. Division No.
No. Date Date Survey of F. B.
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed C.J. Gill Date

Pg. 233

F. B. 3792 Pg. 234 | 0360-02

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

Survey of HYDROGRAPHIC SURVEY Date _____ Date _____ No. _____

Survey by ROWLES Notes J.G. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

EAST RANGE THIS DAY 0

F.B. 3792 - CLOSED 0 0

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.

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
7[illegible] LOS ANGELES COUNTY ENGINEERING BLDG.

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