Survey of SANTA MONICA CN. BCH. HYDROGRAPHIC SURVEY F.B. 3
JN 0882-50 Tape Std °F
Surveyed by RICHARDS, DREIER WILSON
Notes Date 1-27-67
Indexed C. J. GALLI MAR 28 '67

SANTA MONICA CN. BEACH AREA

HYDROGRAPHIC SURVEY

J.N. 0882.50

MARCH - 1967

REF. F.B. 2100 - 233 to 239 (NEW CONTROL LINE)

HARDS	ZEN - FOULGER	DREIER	WILSON
NKSON		WILKS	ADAMS, CW
ODWIN		SIEMANN	MANLEY
RILL		MC KNIGHT	TULLIER
MENT			FISHER, D.H

Not microfilmed.

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

Survey of SANTA MONICA CN. BAY HYDROGRAPHIC SURVEY
JN 0882.50 Tape Std °F
Surveyed by RICHARDS
Notes U HARRIET Date 3-27-67
Indexed C. J. GALLI

F. B. 3791 PG. 9

TIDE GAGE READINGS

MAR. 27, 1967

TIME - P.S.T.

DATUM - M.L.L.W.

TIME	TIDE
6:00	0.7
6:30	1.5
7:00	2.2
7:30	2.9
8:00	3.6
8:30	4.1
9:00	4.6
9:30	4.8
10:00	4.8
10:30	4.7
11:00	4.4
11:30	4.1
12:00	3.4
12:30	2.9
13:00	2.2
13:30	1.6
14:00	1.0

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

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

Do not extend this side past this line.

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403 Los Angeles County Engineering Bldg.

78F3095 CE#310 1-65

F. B. 3791/PG. 10

TIDES - MAR. 27, 1967

Predicted Tides

Tide Guage Readings

P. S. T.

5AM

7AM

9AM

11 AM

1 PM

3 PM

Feet

6.0

4.0

2.0

0.0

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F.B. 3791 Pg. 12 Job No. 0882.50 Division No. 11 Notes Red ____ Plotted ____ Profile

Survey of SANTA MONICA CN, BEACH AREA Date ____ Date ____ No. ____

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

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

DATUM
MEAN LOWER LOW WATER

STATION	B.S.	H.I.	F.S.	ELEV.	
BM 48-30		MLLW =	18 14		℄ PCHWY @ L.A. SANTA MONICA
TP	6 60	24 74	9 84	14 90	BDY - HEX ROD IN WELL
	3 68	18 58			EL = 15.39

76-L-298 CE 307 2-63

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76-L-298 CE 307 2-63

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Profile Notes Red. ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3197 / Pg. 13
No. X-Sec. Date ____ Date ____ Survey of BEACH CONTROL, SANTA MONICA CO. BEACH
No. ____ Notes Chkd. ____ Checked ____ Survey by WILSON / DREIER Notes DREIER Date 3-27-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLY Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	488+76.65 N L R	
		18.58	← PG 10			
TP			11.29	7.29	SWIM TP 1"X2" 87' LFT	
STA			4.53	14.05	488+76.65 1"X2"	
			3.4	15.2	10.4' R 50' EDGE BLDG	
T.P	1.10	8.39		7.29	T.P 1X2 87 FT. LEFT	
					GUN AT 493+86.24, SIGHT ON 488+76.65	
			5.5	2.9	1 14° 27'	
			8.2	0 X 2	2 20 54	
			9.4	-1.0	3 27 09	
			11.1	-2.7	4 36 55	
			14.1	-5.7	5 43 44	

DATUM
MEAN LOWER LOW WATER

76S420A - CE 353A - Cdb 9-62

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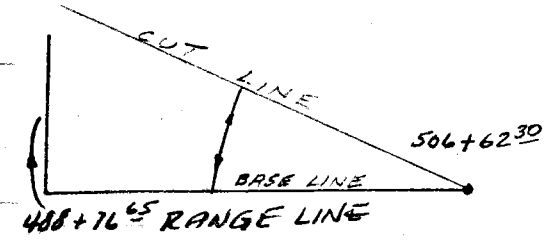
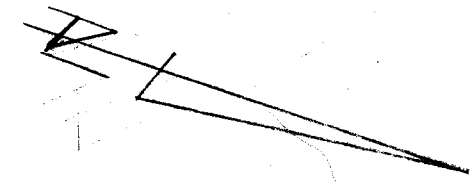
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

RANGE LINE 488+76.65 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62.30	488+76.65	7:53	1	75°	32'			
			2	74°	22'			
			3	72°	11'			4887612
			4	70°	43'			
			5	68°	52'			
			6	67°	06'			4887614
			7	64°	30'			
			8	61°	36'			
			9	58°	51'			4887616
			10	55°	37'			
			11	52°	29'			
			12	49°	03'			4887618
			13	46°	21'			
			14	42°	21'			
			15	38°	31'			4887620
			16	33°	14'			
			17	28°	22'			
			18	23°	38'			4887622
			19	19°	11'			
			20	14°	37'			
				00	00			4887624





over

Profile Notes Red. ____ Plotted ____ Job No. 0882.50 Division No. 11 F. B. 3791 Pg. 15
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

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F. B. 3791 Pg. 16 Job No. 6682.50 Division No. 11 Notes Red. Date Plotted Date

Survey of HYDROGRAPHIC SURVEYS Notes T.G. Date Notes Chkd. Date Checked Date

Survey by RICHARDS Profile No. X-Sec. No.

Indexed C. L. GALL

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					
506+62.30	N-47A		21	12°	52'			
			22	11°	17'			
		8:01	23	09°	20'			4887626
				00	00			
				00	00			
				00	00			4887628
				79	58			
				00	00			
				00	00			4887608
				00	00			
				00	00			
				00	00			4887610

76-L-298 CE 307 2-63

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Profile Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11
No. ____ Date ____ Date ____ Survey of SANTA MONICA CO. BEACH AREA
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON Notes DREIER Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

F.B. 3391 Pg. 17

STATION	B. S.	H. I.	F. S.	ELEV.	491+32.05 N L	R
		18.58	— AG	10		
SWIM TP			11.89	6.69	74' L 1"X2" STK	
STA			5.25	13.33	491+32.05 1"X2" STK	
			4.2	14.4		45' R BK
			4.5	14.1		121' R BOTT WALL
			1.46	17.12		122' R TOP " @ BLDG.
T.P.	0.59	7.28		6.69	T.P 1X2 74' L.	
					GUN AT 493+85.34	SIGHT ON 491+32.05
			1.32	- 5.9	1 63° 45'	
			9.6	- 2.3	2 53 45	
			8.8	- 1.5	3 43 10	
			6.7	0.8	4 32 03	
			2.7	4.6	(19+74) 93 FT L.	

DATUM
MEAN LOWER LOW WATER

765420A - CE 353A - Cdb 9-62

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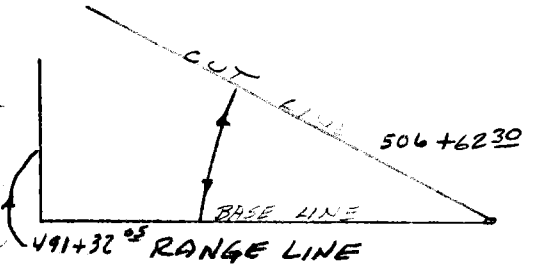
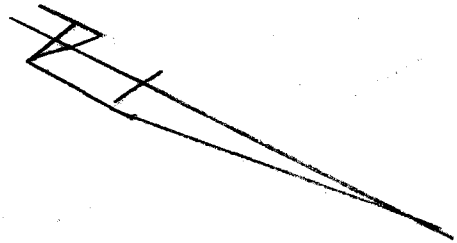
Do not extend notes this side of this line.

RANGE LINE 491+32.05 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62.30	491+32.05	8:23	1	76°	42'			
			2	75°	54'			
			3	74°	51'			4913212
			4	72°	58'			
			5	70°	40'			
			6	69°	49'			4913214
			7	67°	46'			
			8	66°	04'			
			9	64°	10'			4913216
			10	62°	02'			
			11	59°	33'			
			12	56°	02'			4913218
			13	53°	20'			
			14	50°	55'			
			15	48°	07'			4913220
			16	44°	56'			
			17	40°	20'			
			18	35°	53'			4913222
			19	31°	04'			
			20	25°	17'			
				20	26			4913224





Profile Notes Red. ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 19
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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F. B. 3791 Pg. 70 Job No. 0112.50 Division No. 11 Survey

Survey of HYDROGRAPHIC SURVEY Notes Red. Date Plotted Date

Survey by RICHARDS Notes Notes Chkd. Date Checked Date

Indexed C. J. GALLI Date Notes 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					
506+62.30	491+32.05		21	~~20°~~	~~26'~~			
			22	16°	38'			
			23	14°	47'			
			24	12°	17'			4913226
			25	10°	02'			
		8:30	26	08°	25'			
				00	00			4913228
				00	00			
				00	00			
				00	00			4913230

76-L-298 CE 307 2-63

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Profile Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3971 Pg. 21
No. X-Sec. Date ____ Date ____ Survey of SANTA MONICA CN BEACH AREA
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes DREIER Date 3-27-64
Date ____ Map No. ____ Indexed G. L. CALL Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	493+85 24 N L	R
		18 58	→ PG 10			
SWIM TP			11 63	695	95' L 1"X2" STK	
			8 2	10 4	37' L BRK	
STA			4 7	13 9	493+85 24 GRD	
			4 6	14 0		25'R - ED. TENNIS CT.
TP			3 75	14 88		
T.P.	1 30	8 25		695	T.P 1X2 95' LEFT	
					CUT GUN AT 491+32 05 SIGHT ON 493+85 24	
			3 6	4 6	(95+21) 116 FT. L. NO HUB.	
			6 3	1 9	1 27 24	
			8 1	0 1	2 34 08	
			9 7	- 15	3 44 01	
			12 0	- 3 8	4 49 06	
			16 7	- 18 5	5 53 10	

DATUM
MEAN LOWER LOW WATER

765420A - CE 353A - Cdb 9-62

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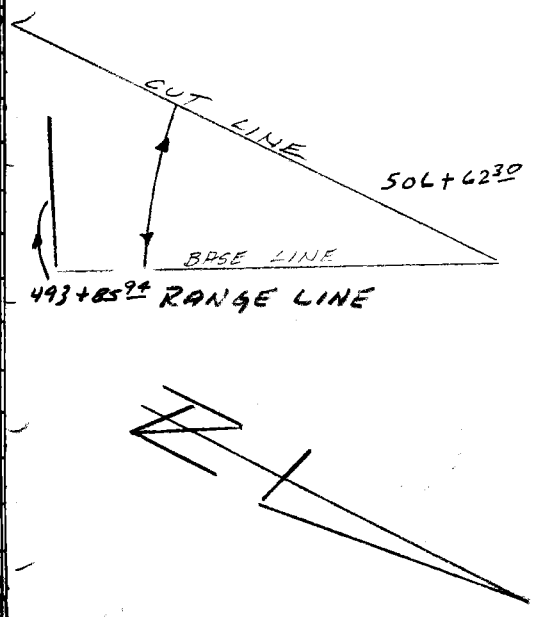
INST. AT	SIGHT ON	TIME	ANGLE NO	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD NO
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62.30	493+85.94	8:46	1	81°	04'			
			2	80°	18'			
			3	79°	29'			4938612
			4	78°	25'			
			5	76°	57'			
			6	75°	33'			4938614
			7	73°	41'			
			8	72°	11'			
			9	70°	25'			4938616
			10	68°	45'			
			11	65°	55'			
			12	63°	19'			4938618
			13	60°	59'			
			14	58°	01'			
			15	55°	24'			4938620
			16	51°	29'			
			17	47°	09'			
			18	42°	18'			4938622
			19	38°	31'			
			20	35°	26'			
				31°	44'			4938624

RANGE LINE 493+85.94 N.



Profile
Notes Red. Plotted Job No. 1182.50 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F.B. 3791 PG. 23
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-27-67
No. Date Date Map No. Indexed G. J. GALLI Date

F. B. 3791 Pg. 24 | Job No. 0882.50 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

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

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

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62 30	493+85 94		21	~~31°~~	~~44'~~			
			22	28°	47'			
			23	25°	38'			
			24	22°	05'			4938626
			25	19°	37'			
			26	16°	42'			
			27	14°	26'			4938628
		8:53	28	12°	04'			
				00	00			
				00	00			4938630
				00	00			
				00	00			
				00	00			4938632

76-L-298 CE 307 2-63

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Profile Notes Red. Plotted Job No. 0882.43 Division No. 11
No. Date Date Survey of SANTA MONICA CU BEACH AREA
X-Sec. Notes Chkd. Checked Survey by WILSON DREIER Noted WILSON Date 3-27-64
No. Date Date Map No. Indexed G. J. GALL Date

F.B. 3791 Pg 25

STATION	B. S.	H. I.	F. S.	ELEV.	497+29 84 N L	R
TP				14 83		
	2 64	17 47				
SWIM TP			8 70	8 77	86' L 1"X2"	
			7 7	9 8	67' L BK	
			7 6	9 9	40' L BK	
			5 6	11 9	21' L BK	
STA			4 6	12 9	497+29 84 GRD	
			2 2	15 3		90' R
			1 2	16 3		164' R BOTT. WALL
			1 49	21 2	11.4	165' R TOP "
T.P	0 43	9 20 4L		8 77	T.P 86' L. 1X2	
					CUT GUN AT 491+32 05 SIGHT ON 497+29 84	
			150	- 5 8	1 32 43	
			115	- 2 3	2 27 54	
			105	- 1 3	3 23 30	
			95	- 0 3	4 18 30	
			76	+ 1 5 6	5 14 21	
			46	4 6	6 N 46	M.H.W.
			16	7 6	100 AT 4.	

DATUM
MEAN LOWER LOW WATER

76S420A - CE 353A - Cdb 9-62

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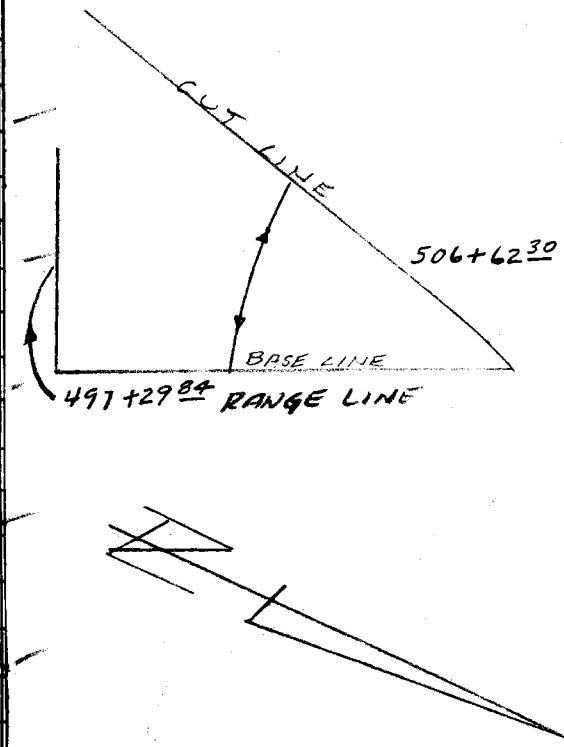
Do not extend notes this side of this line.

RANGE LINE 497+29.84 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62.30	497+29.84	9:06	1	86°	11'			
			2	85°	34'			
			3	84°	50'			4973012
			4	83°	58'			
			5	83°	01'			
			6	81°	52'			4973014
			7	80°	54'			
			8	79°	41'			
			9	77°	53'			4973016
			10	76°	10'			
			11	74°	14'			
			12	72°	16'			4973018
			13	70°	15'			
			14	67°	35'			
			15	64°	07'			4973020
			16	60°	34'			
			17	56°	28'			
			18	50°	57'			4973022
			19	45°	05'			
			20	40°	38'			
				36°	17'			4973024



Profile Notes Red. ____ Plotted ____ Job No. 0182.50 Division No. 11 F.B. 3791 Pg. 27
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3791 PG. 28 | Job No. 0882.50 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

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

Indexed C. J. BALLI | Date | Date | Date | No.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	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					
506+62.30	497+29.84		21	36°	17'			
			22	32°	36'			
			23	29'	58'			
			24	26°	42'			4973026
			25	24°	02'			
		9:13	26	21°	27°			
				00	00			4973028
				00	00			
				00	00			
				00	00			4973030

76-L-298 CE 307 2-63

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Profile Notes Red____ Plotted____ Job No. 0882.50 Division No. 11

No.____ Date____ Date____ Survey of SANTA MONICA CU BEACH AREA

X-Sec. Notes Chkd.____ Checked____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-27-64

No.____ Date____ Date____ Map No.____ Indexed C. J. GATTI Date____

F.B. 3791 Pg. 29

STATION	B. S.	H. I.	F. S.	ELEV.	499+55 58 N L R
		17.47	+ PG	17	
SWIM TP			8.44	9.03	82' L 1"X2" STK — DATUM MEAN LOWER LOW WATER
			7.4	10.1	68' L BK
			8.1	9.4	53' L BK
STA			5.1	12.4	499+55 58 GRD
			2.6	14.9	73' R BK
			2.4	15.1	131' R CAL WK
			2.6	14.9	142' R BOTT WALL
			19.4	25.3	143' R TOP BLDG WALL
TP			4.82	12.65	1"X2"
T.P.	0.65	9.68		9.03	T.P. 82' L. 1"X2"
			+0.3	10.0	70 FT L. TOP BRK
			2.4	7.3	100 FT L. CUT GUN AT 499+29 SIGHT ON 499+55 58
			5.1	4.6	1. 30° 16' N.N.W.
			9.3	0.4	2. 39 55
			10.3	-0.6	3. 46 32
			12.0	-2.3	4. 58 33
			13.7	-4.0	5. 63 31
			15.5	-5.8	6. 67 21
			18.0	-8.3	7. 70 13 — EST. 1 FT OVER 17' RD

765420A - CE 353A - Cdb 9-62

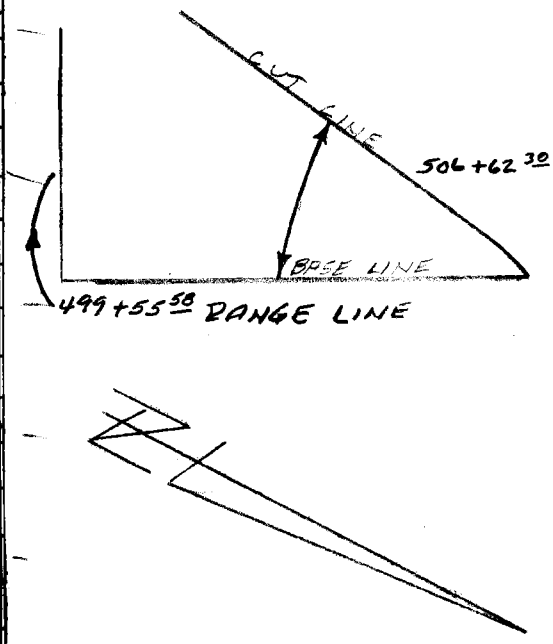
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62.30	499+55.58	9:28	1	75°	10'			
			2	74°	46'			
			3	74°	23'			4995612
			4	74°	01'			
			5	73°	40'			
			6	72°	54'			4995614
			7	72°	09'			
			8	71°	30'			
			9	70°	43'			4995616
			10	69°	55'			
			11	68°	57'			
			12	67°	56'			4995618
			13	66°	29'			
			14	64°	49'			
			15	62°	45'			4995620
	DELAY	9:33	16	61°	08'			
		9:40	17	58°	50'			
			18	60°	40			4995622
			19	58°	56'			
			20	56°	50'			
				54	03			4995624

RANGE LINE 499+55.58 N.



Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0182.50 Division No. 11 Survey of HYDROGRAPHIC SURVEY F.B. 3791 Pg. 31

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by RICHARDS Notes J.G. Date 3-27-67

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. 3791 Pg 32 | Job No. 0112.50 Division No. 11 Survey of HYDROGRAPHIC SURVEY Survey by RICHARDS Notes J.G. Indexed C. J. GALLI

Profile No. Plotted Date Checked Date

X-Sec. No. Notes Red. Date Notes Chkd. 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					
506+62.30	499+55.58		21	~~54°~~	~~03'~~			
			22	50°	18'			
			23	46°	13'			
			24	41°	57'			4995626
			25	37°	26'			
			26	34°	06'			
			27	30°	33'			4995628
			28	26°	05'			
			29	21°	55'			
		9:44	30	19°	14'			4995630
				00	00			
				00	00			
				00	00			4995632

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.	504+02.88 N L R
TP				12 65	PG 19
	097	13 62			
SWIM TP			4 22	9 40	56' L 1"X2" STK
			5 8	7 8	8' L TOP STREAM BANK
			7 3	6 3	1' L BOTT " "
			6 5	7 1	73' R BOTT STREAM BANK
			5 5	8 1	87' R TOP "
			5 4	8 2	106' R BOTT
			4 0	9 6	115' R TOP
			1 9	11 7	164' R BOTT CONC WALL
			↗ 7 3	19.0	165' R TOP " "
TP			3 47	10 15	1"X2" STK
T.P.	060	10 0		9 40	T.P. 1"X2" 56' L. CUT GUN AT 497+29.84 SIGHT ON 504+02.88
			16 3	-6 3	#1 29° 26'
			13 0	-3 0	2 24 19
			11 4	-1 4	3 21 00
			9 8	+0 2	4 15 00
			8 2	1 8	5 10 47'
			5 4	4 6	101 FT LEFT M.H.W.
			1 2	8 8	70 " " BRK

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg 33
X-Sec. No. ____ Date ____ Date ____ Survey of SANTA MONICA ON BEACH AREA
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76S420A - CE 353A - Cdb 9-62

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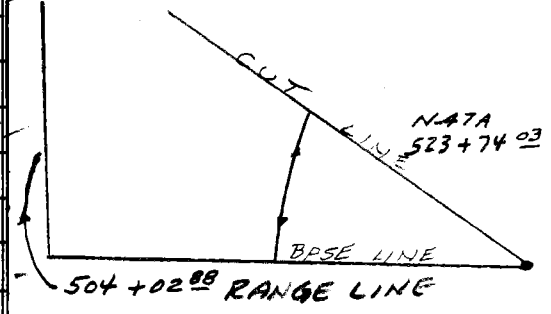
726 LOS ANGELES COUNTY ENGINEERING BLDG.

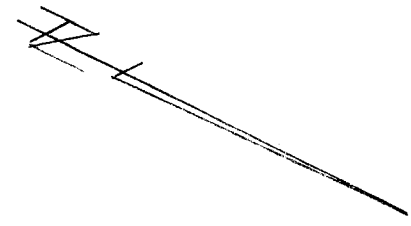
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

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					
523+74.03	504+02.88	10:22	1	65°	51'			
			2	64°	25'			
			3	62°	46'			5040312
			4	61°	37'			
			5	59°	46'			
			6	57°	41'			5040314
			7	55°	35'			
			8	53°	02'			
			9	51°	02'			5040316
			10	48°	45'			
			11	45°	20'			
			12	42°	15'			5040318
			13	39°	10'			
			14	34°	46'			
			15	31°	04'			5040320
			16	26°	49'			
			17	22°	23'			
			18	19°	54'			5040322
			19	17°	10'			
			20	14°	45'			
				12	54			5040324

RANGE LINE 504+02.88 N.





Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 35
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-27-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALI 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. 391 Pg. 36 Job No. 0482.50 Division No. 11 Notes Red. Date Plotted Date No.

Survey of HYDROGRAPHIC SURVEY Notes Date X-Sec.

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

Indexed C. J. GALLI 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					
523+74 03	504+02 28		21	+2°	~~54'~~			
			22	11°	13'			
			23	09°	19'			
			24	07°	48'			5040326
		10:28	25	06°	34'			
				00	00			
				00	00			5040328
				00	00			
				00	00			
				00	00			5040330

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. 0882.60 Division No. 11
No. ____ Date ____ Date ____ Survey of SANTA MONICA BAY BEACH AREA
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F.B. 3991 Pg 37

STATION	B. S.	H. I.	F. S.	ELEV.	506+62 30 N	
TP				10 15	1½" STK PG 21	DATUM MEAN LOWER LOW WATER
	520	15 35				
SWIM TP			8 03	7 32	62' L 1"X2" STK	
			4 6	10 8	42' L TOP	
STA			5 5	9 9	506+62 30 GRD	
			35	11 9		20'R TOP
			25	12 9		51'R
			0 9	14 5		122'R BOTT BANK
			~~160~~	~~14 5~~ 20.5		144'R TOP "
			~~150~~	~~18 5~~ 19.5		155'R ED. PAVED PARKING LOT
T.P	1 06	8 38		7 32	T.P. 1"x2" 62' LEFT (2ND)	
					CUT GUN AT 511+63 ±1,	SIGHT ON 506+62 30
			38	46	(62+14) 76 FT. L. M.H.W.	
			58	26	1 10° 30'	
			73	1 1	2 14 30	
			8 7	-03	3 18 06	
			97	-13	4 22 28	
			11 1	-27	5 28 12	
			120	-36	6 32 08	

765420A - CE 353A - Cdb 9-62

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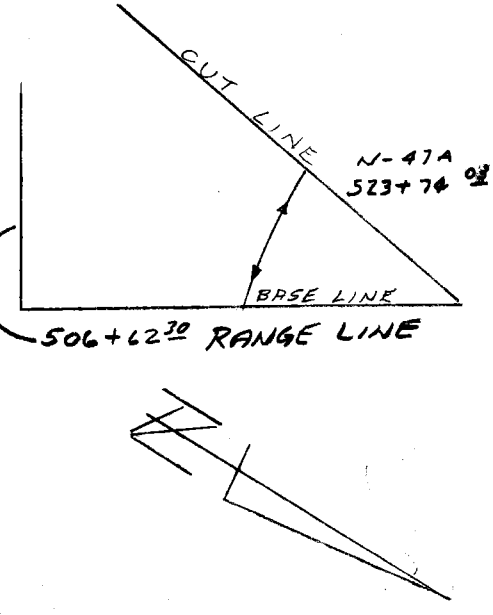
726 Los Angeles County Engineering Bldg.

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 506+62.30 N

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
523+74 02	506+62.30	11:03	1	61°	23'				
			2	60°	32'				
			3	59°	42'				5066212
			4	58°	51'				
			5	57°	33'				
			6	56°	32'				5066214
			7	55°	03'				
			8	54°	05'				
			9	52°	15'				5066216
			10	50°	40'				
			11	48°	56'				
			12	47°	31'				5066218
			13	45°	48'				
			14	43°	44'				
			15	41°	46'				5066220
			16	39°	31'				
			17	37°	11'				
			18	34°	19'				5066222
			19	31°	35'				
			20	28°	07'				
				24	40				5066224



Profile Notes Red. Plotted Job No. 6222.50 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F.B. 3791 Pg. 39
X-Sec. Notes Chkd. Checked Survey by RICHARD Notes T.G. Date 3-27-62
No. Date Date Map No. Indexed G. L. GALL Date

F. B. 3791 PG. 40 Job No. 0882.50 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
523+74.03	506+62.30		21	~~24°~~	~~40'~~			
			22	22°	00'			
			23	19°	59'			
			24	17°	41'			5066226
			25	15°	25'			
			26	12°	54'			
			27	10°	32'			5066228
		11:10	28	09°	48'			
				00	00			
				00	00			5066230
				00	00			
				00	00			
				00	00			5066232

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.	509+86.53 N L	R
		15 35 + PG	23			
SWIM TP			6 98	8 37	16' L 1"X2" STK	
STA			6 3	9 1	509+86.53 GRD	
			5 5	9 9		28'R
			3 7	11 7		48'R BK
		TO HI	↑1.0	16 4		143' BOTT SLP
			↑9 5	25 9		164' TOP SLP
			↑10.0	26 4		226' ED. PGHWY
TP			8 06	7 29	1"X2" STK	
T.P.	1 36	9 73		8 37	T.P 1X2 16 FT. L.	
					CUT GUN AT 506+62.30 SIGHT ON 509+86.53	
			18 0	-8 3	#1 47° 46'	EST. 1 FT. OVER 17' ROD
			14 3	-4 6	2 42 41	
			11 7	-2 0	3 33 49	
			10 5	-0 8	4 24 39	
			8 8	0 9	5 17 56	
			6 9	2 8	6 11 04	
			5 1	4 6	51 FT L. MHW.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 44
X-Sec. No. ____ Date ____ Date ____ Survey of SANTA MONICA CN. BEACH AREA
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-27-67
Date ____ Date ____ Map No. ____ Indexed C. I. GALLI Date ____

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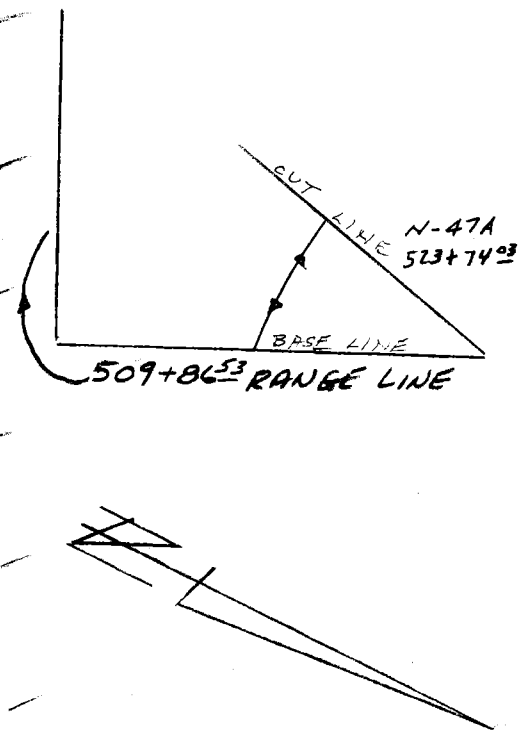
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

RANGE LINE 509+86.53 N.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
523+74.03	509+86.53	11:21	1	76°	10'			
			2	75°	30'			
			3	74°	38'			5098712
			4	73°	45'			
			5	72°	57			
			6	71°	50			5098714
			7	70°	51'			
			8	69°	52'			
			9	68°	30'			5098716
			10	66°	38'			
			11	64°	23'			
			12	62°	06'			5098718
			13	59°	10'			
			14	56°	03'			
			15	53°	16'			5098720
			16	48°	51'			
			17	45°	48'			
			18	41°	09'			5098722
			19	36°	30'			
			20	32°	21'			
				28	24			5098724



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 43
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-27-67
Date ____ Date ____ Map No. ____ Indexed C. & GALL Date ____

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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F. B. 3791 Pg. 44 Job No. 0882.50 Division No. 11 Notes Red. Date Plotted Date No.

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

Survey by RICHARDS Notes J. G. Date

Indexed C. J. GALLI Date

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					
523+74.3	509+86.53		21	~~28°~~	~~24'~~			
			22	24°	20'			
			23	20°	41'			
			24	17°	47'			5098726
			25	14°	28'			
			26	11°	16'			
			27	08°	50'			5098728
		11:28	28	07°	48'			
				00	00			
				00	00			5098730
				00	00			
				00	00			
				00	00			5098732

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.	511+63.41 L R	
TP	11 53	18 82		729	PG ~~35~~ (41)	DATUM
SWIM TP			11 53	729	12' L 1"X2" STK	MEAN LOWER LOW WATER
STA			10 4	8 4	511+63.41 GRD	
			9 0	9 8		26' R BK
			6 8	12 0		94' R BK
			3 2	15 6		155' R BOTT SLP
			1 4	17 4		168' R BK "
			↑78	25 2		189' R TOP SLP
			↑78	25 2		209' R ED. PARKING
			↑78	25 2		260' R ED. PC HWY
T.P.	1 89	9 18		729	T.P. 12' L. 1X2'	CUT GUN AT 506+62.30
			4 6	4 6	37 FT L. MHW	SIGHT ON 511+63.41
			7 5	1 7	#1 8° 51'	73
			9 3	-0 1	2 14 00	125
			10 4	-1 2	3 18 19	[illegible]
			11 3	-2 1	4 24 17	[illegible]
			12 2	-3 0	5 28 52	27[illegible]
			13 5	-4 3	6 32 35	32[illegible]
			16 3	-7 1	7 36 46	[illegible]

Profile Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 45
No. ____ Date ____ Date ____ Survey of SANTA MONICA CN BEACH AREA
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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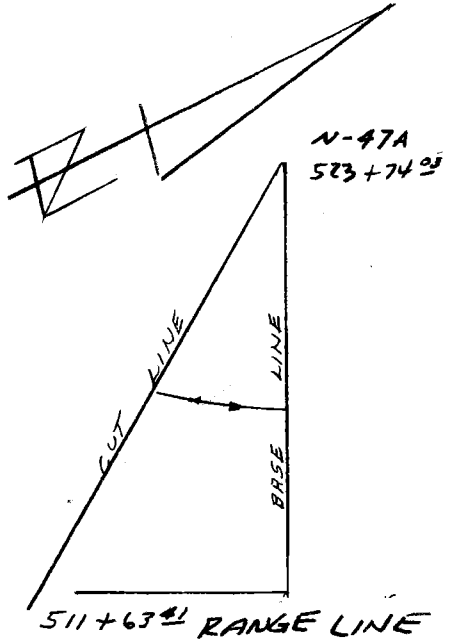
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

RANGE LINE 511+63.41 N

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
523+74.03	511+63.41	11:40	1	67°	15			
			2	66°	44'			
			3	66°	13'			5116312
			4	64°	52			
			5	63°	37'			
			6	62°	32'			5116314
			7	61°	02'			
			8	59°	16'			
			9	57°	19'			5116316
			10	54°	52'			
			11	52°	33'			
			12	49°	48'			5116318
			13	47°	13'			
			14	43°	47'			
			15	39°	55'			5116320
			16	36°	09'			
			17	31°	37'			
			18	28°	43'			5116322
			19	26°	12'			
			20	23°	28'			
				20	13			5116324



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0 8 8 2 50 Division No. 11 F.B. 3791 Pg. 47
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed L. J. GALL Date ____

F. B. 3791 PG. 78 Job No. 0882.50 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	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					
523+74 03	51463 41		21	~~20°~~	~~13'~~			
			22	18°	26'			
			23	16°	04'			
		11:47	24	14°	47'			5116328
				00	00			
				00	00			
				00	00			5116330

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.	513+63.86 L	R
		18 82	← PG	~~27~~ (45)		
STA			12 29	6 ~~53~~	513+63.86 1"X2" STK	
			8 7	10 1		39'R
			5 8	13 0		138'R BOTT SLP
			↑13 0	26 0		170'R TOP SLP
			↑13 0	26 0		227'R ED. PARKING PAVT
			↑12 0	25 0		285'R ED. PC HWY
TP			9 29	9 53		
		80				
	1 42	7 95		6 53		
					23.	
					CUT GUN AT 509+86.53	SIGHT ON 513+63.86
			16 7	-8 7	1 47° 15	
			15 6	-7 6	2 43 23	
			11 3	-3 3	3 36 03	
			10 8	-2 8	4 29 51	
			8 2	-0 2	5 17 46	
			6 7	+1 3	6 11 15	
			5 7	2 3	7 5 35	
			3 4	4 6	17 FT LEFT M.H.W.	

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 49
X-Sec. No. ___ Date ___ Date ___ Survey of SANTA MONICA ON BEACH AREA
Notes Chkd. ___ Checked ___ Survey by WILSON DREIER Notes WILSON DREIER Date 3-27-67
No. ___ Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date ___

76S420A - CE 353A - Cdb 9-62

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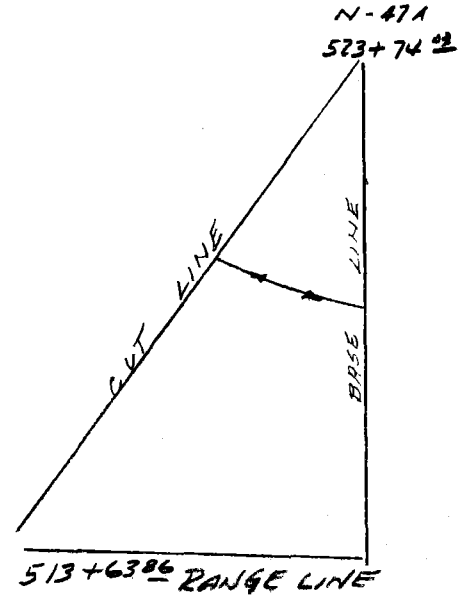
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 513+63.86 N

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
523+74.03	513+63.86	12:02	1	72°	45'			
			2	72°	16'			
			3	71°	51'			5136412
			4	71°	19'			
			5	70°	24'			
			6	69°	26'			5136414
			7	68°	27'			
			8	67°	25'			
			9	66°	31'			5136416
			10	65°	15'			
			11	64°	02'			
			12	62°	51'			5136418
			13	61°	06'			
			14	59°	35'			
			15	57°	46'			5136420
			16	55°	18'			
			17	52°	57'			
			18	50°	13'			5136422
			19	46°	33'			
			20	43°	32'			
				40	51			5136424



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 51
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-27-67
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. 3791 Pg. 52 Job No. 0112.50 Division No. 11 Notes Red. Plotted
Survey of HYDROGRAPHIC SURVEY Date Date
Survey by RICHARDS Notes ST. G. Notes Chkd. Checked
Indexed E. J. GALL 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					
523+74 03	513+63 86		21	~~40°~~	~~51'~~			
			22	37°	25'			
			23	33°	32'			
			24	29°	10'			5136426
			25	25°	47'			
			26	22°	27'			
			27	18°	45'			5136428
			28	15°	47'			
			29	12°	32'			
		12:09	30	11°	05'			5136430
				00	00			
				00	00			
				00	00			5136432

Notes Ck'd by	Survey of SANTA MONICA CN. BCH. HYDROGRAPHIC SURVEY
Map No.	JN 0882-50 Tape Std °F
Office Work CKD	Surveyed by RICHARDS
Checked	Notes UHARRIET Date 3-28-67
Date	Indexed G. J. GALLI

F. B. 3791 PG. 53

TIDE GAGE READINGS

MAR. 28, 1967

TIME - P.S.T.

DATUM - M.L.L.W.

TIME	TIDE
6:00	-0.3
6:30	0.2
7:00	0.8
7:30	1.4
8:00	1.9
8:30	2.6
9:00	3.2
9:30	3.7
10:00	4.0
10:30	4.1
11:00	4.2
11:30	4.1
12:00	3.9
12:30	3.5
13:00	3.0
13:30	2.5
14:00	2.0

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

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F309S CE#310 1-65

F. B. 379 PG 54

TIDES: MAR. 28, 1967

Predicted Tides

Tide Guage Reading

Feet	P.S.T.
6.0	5 AM
4.0	7 AM
2.0	9 AM
0.0	11 AM
	1 PM
	3 PM

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76-L-298 CE 307 2-63

+6.97
-4.92
2.05

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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.	516+64 53 N L R
TP				9 53	1"X12" STK (FROM 1964 YR) DATUM MEAN LOWER LOW WATER
	8 14	17 67			
SWIM TP			11 72	595	19'R 1"X2" STK
			7 0	10 7	51'R
			7 4	10 3	90'R
			5 4	12 3	132'R BOTT SLP
			↗140	26 3	176'R TOP SLP
			↗130	25 3	183'R ED. HARBOR FWY
			↗114	23 7	254'R ED. PC HWY
T.P	1 61	7 56		595	T.P 19 FT RT. 1X2
			3 0	4 6	✕ 7 FT RIGHT OF L.W.
			3 5	4 1	ON ℄ STA. 516+64 53
					COR GUN AT 523+66 09 SIGHT ON 516+64 53
			6 1	1 5	#1 3° - 46'
			7 5	0 1	2 7 18
			9 0	- 1 4	3 12 15
			16 4	- 2 8	4 17 11
					21 19
			12 0	- 4 4	5
			14 0	- 6 4	6 24 04
			16 1	- 8 5	7 26 35

Profile Noted Plotted Job No. 2282.52 Division No. 11
No. Date Date Survey of SANTA MONICA CAL. BEACH AREA
X-Sec. Notes Chkd. Checked Survey by WILLSON & RIEHL Noted ZEIGLER Date 3-28-67
No. Date Date Map No. Indexed C. J. GATT Date
F. B. 3791 Pg. 55

765420A - CE 353A - Cdb 9-62

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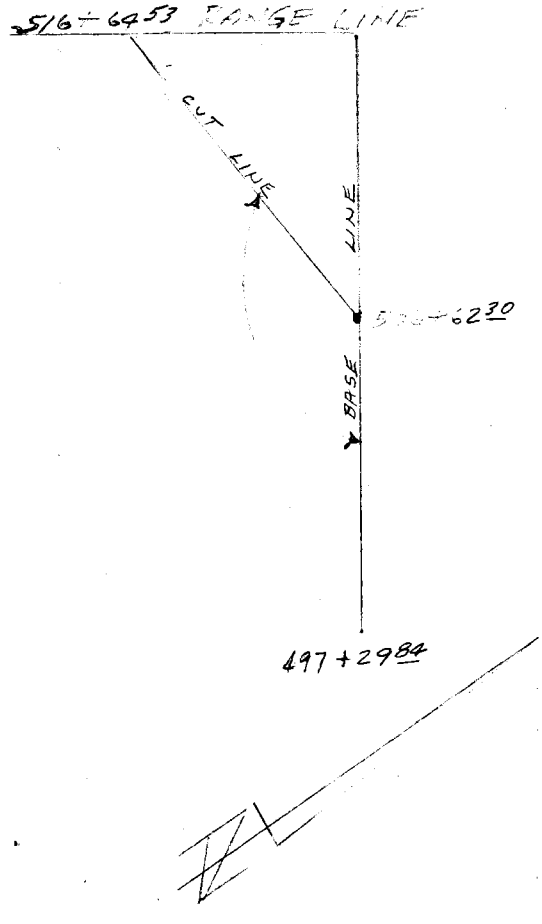
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 516+64.53 N

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
506+62.30	197+29.84	7:48	1	99°	54'				
			2	100°	00'				
			3	100°	13'				
			4	100°	33'				
			5	101°	11'				
			6	101°	51'				
			7	102°	40'				
			8	102°	50'				
			9	103°	30'				
			10	104°	02'				
			11	104°	49'				
			12	105°	35'				
			13	106°	28'				
			14	107°	09'				
			15	108°	05'				
			16	109°	10'				
			17	110°	23'				
			18	111°	31'				
			19	112°	37'				
			20	114°	08'				



Profile Notes Red. Plotted Job No. 0862.50 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY F.B. 3791 Pg. 57
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes T.G. Date 3-28-67
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.

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F. B. 3791 Pg. 58 | Job No. 0882.50 | Division No. 11 | Notes Red. | Date | Plotted | No. | Profile

Survey of HYDROGRAPHIC SURVEYS | Date | Notes Chkd. | Date | Checked | No. | X-Sec.

Survey by RICHARDS | Notes T. S. | Date | Date | Indexed C. J. GALLI

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					
506+62.30	497+29.84		21	115°	32'			
			22	117°	31'			
			23	119°	57'			
			24	125°	17'			
			25	125°	30'			
			26	127°	34'			
			27	130°	01'			
			28	133°	15'			
			29	136°	58'			
			30	141°	53'			
			31	146°	23'			
			32	151°	23'			
			33	155°	17'			
			34	158°	24'			
			35	162°	32'			
			36	165°	09'			
		7:57	37	168°	32'			

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.	519+65.20 N L R
		17 67	+ PG	~~3X~~ (55)	DATUM MEAN LOWER LOW WATER
519+58			14 1	3 6	BOTT ROCK GROIN
519+80			6 7	11 0	TOP " "
519+90			8 8	8 9	BOTT " "
SWIM TP			11 51	6 16	@ 519+65.20 1/2 40'± RT 1"X2"
519+65.2			5 3	12 4	66' RT TOP GROIN
519+49			8 9	8 8	66' RT BOTT GROIN
519+65.2			3 6	14 1	123' RT BOTT SLP
"			↑9 0	23 1	136' RT TOP SLP
"			↑10 3	24 4	155' RT ED. PARKING
"			↑9 0	23 1	208' RT ED. PCHWY
TP			8 10	9 57	TOP ROCK
	11 43	21 00			
TP			0 07	20 93	
	8 71	29 64			
B.M. 48-41			5 07	24 57	FD. CITY OF LA. TRAVERSE STA "I-9"
					EL 21.85 FB 1369 PG 39
					+ 2.75
					24.60 MLLW

CONT.

Profile Notes Red ____ Plotted ____ Job No. 4882 50 Division No. 11 F.B. 3791 Pg. 59
No. ____ Date ____ Date ____ Survey of SANTA MONICA CN. BEACH AREA
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-28-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

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.	519 + 65.20 N	
T.P.	1 71	7 87		6 16	CUT GUN AT 523+66.09 SIGHT ON 519+65.20	
			172	-93	#1 41° 53'	
			150	-71	2 38 46	
			110	-31	3 32 16	
			88	-09	4 25 03	
			80	-01	5 18 36	
			66	13	6 12 04	
			55	24	50 FT LEFT	
			49	30	25 " "	
			33	46		10 FT RT AT 519+50
			13	66		43
			00	79		53
					519+90	
T.P	6 86	13 02		6 16	T.P. 1X2 40 FT AT.	
			15	11 5		19 FT RT. TOP BRK
			45	8 5		
			81	4 9	25 FT L. ON SLOPE	
			120	10	55 " " "	NEAR END OF VISABLE GROIN

F.B. 3791 PG. 60 Job No. 0882.50 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of SANTA MONICA CN. BEACH AREA Date ____ Date ____ No. ____
Survey by DREIER Notes DREIER Notes Chkd ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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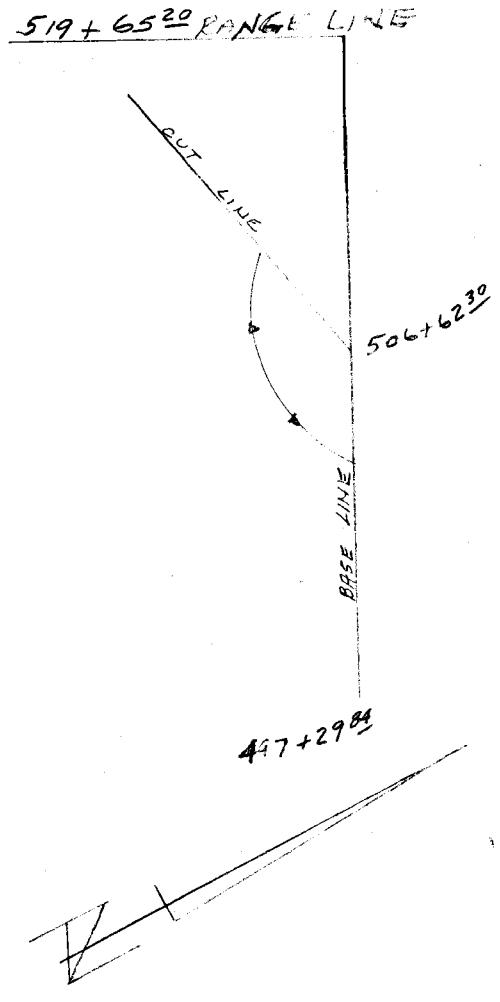
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. RANGE LINE 519 + 65.20 N

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62.30	497+29.84	8:13	1	103°	05'			
			2	103°	37'			
			3	104°	14'			
			4	104°	52'			
			5	105°	39'			
			6	106°	28'			
			7	107°	21'			
			8	108°	15'			
			9	109°	24'			
			10	110°	24'			
			11	111°	46'			
			12	113°	02'			
			13	114°	10'			
			14	116°	03'			
			15	118°	20'			
			16	120°	25'			
			17	123°	20'			
			18	125°	52'			
			19	128	09'			
			20	130°	39'			



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 0882.50 Division No. 11 F. B. 3791 Pg. 61
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of HYDROGRAPHIC SURVEY 3
Survey by RICHARD S. Notes J. G. Date 3-28-67
Map No. ____ Date ____ Indexed C. J. GALLI Date ____

F. B. 3791 PG. 62 Job No. 0882.50 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

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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					
506+62.30	497+29.84		21	134°	11'			
			22	138°	10'			
			23	[illegible]	07'			
			24	146°	35'			
			25	155°	52'			
			26	154°	58'			
			27	158°	46'			
			28	161°	55'			
			29	164°	32'			
			30	167°	10'			
			31	169°	25'			
			32	170°	40'			
		8121	33	171°	52'			

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. 892.50 Division No. 11 F.B. 3791 Pg. 43
No.____ X-Sec. No.____ Date____ Date____ Survey of SANTA MONICA CAL. BEACH AREA
Notes Chkd.____ Checked____ Survey by WILSON/LAKE Notes LKR'S Date 2-28-67
Date____ Date____ Map No.____ Indexed G. J. GALLI Date____

523+66.09 N

STATION	B. S.	H. I.	F. S.	ELEV.		
TP	3.86	13.46		9.52	TOP ROCK PG	59
					LEFT	RIGHT
			7.44	6.02	54' T.B.M. ON CONC.	
			3.1	10.4	30' BOT BANK	
			+15.2	28.7	10' TOP "	
			+13.1	26.6		10' GR. C.H.
			+10.1	23.6		140' GUT. EDGE RD
T.P.			6.28	7.18	ROCK	
T.B.M.	13.2	13.4		6.02	T.B.M. ON ROCK	
			3.4	3.9	56 FT L. END OF CONC RIP RAP.	
			~~7.0~~	~~.3~~	CUT GUN AT 519+65.20 SIGHT ON N-47A.	
			7.0	0.3	*1 15° 27'	111'
			8.0	-0.7	2 20 07	147'
			9.5	-2.2	3 27 51	312'
			11.2	-3.9	4 32 30	2[illegible]*
			15.3	-8.0	5 38 18	317'
			15.5	-8.2	6 40 18	[illegible]'
			16.8	-9.5	7 42 05	3[illegible]'

DATUM
MEAN LOWER LOW WATER

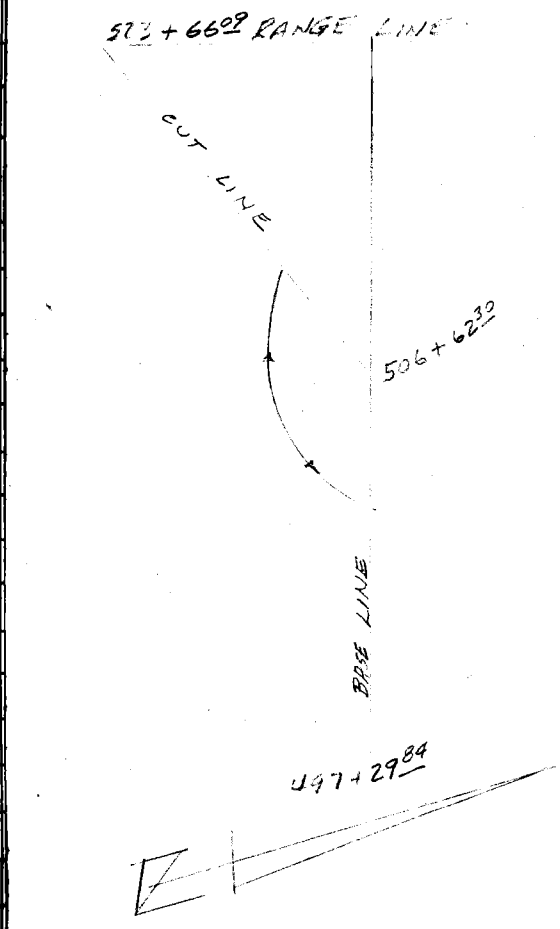
76S420A - CE 353A - Cdb 9-62

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 523+66.09 N

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62.30	497+29.84	8:39	1	[illegible]	27'			
			2	[illegible]	22'			
			3	118°	04'			
			4	118°	51'			
			5	119°	32'			
			6	120°	07'			
			7	[illegible]	04'			
			8	[illegible]	[illegible]			
			9	123°	43'			
			10	125°	22'			
			11	[illegible]	47'			
			12	128°	27'			
			13	[illegible]	[illegible]			
			14	131°	4[illegible]'			
			15	133°	42'			
			16	136°	25'			
			17	139°	03'			
			18	141°	40'			
			19	144°	49'			
			20	148°	10'			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0882.50 Division No. 11 F. B. 3791 Pg. 65
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 3-28-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3791 PG. 66 Job No. 0882.50 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62 30	497+29 84		21	151°	20'			
			22	154°	59'			
			23	157°	53'			
			24	160°	47'			
			25	162°	53'			
			26	164°	53'			
			27	166°	35'			
			28	168°	18'			
		8:47	29	170°	15'			

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	526+67.73 N	
	6.97	14.15		7.18	T.P. FROM PREVIOUS PG LEFT	RIGHT
			4.05	10.10	68 BOT BANK	
			+13.40	27.55	50 TOP "	
			+12.3	26.5		℄ MAC. PAV. PK. LOT
			+10.9	25.1		142' GUT EDGE RD.
T.P.			6.30	7.85	T.P. Rock	
	0.38	10.48		10.10	T.P. CONC. 68' LEFT BOTT. BANK	
					CUT GUN AT N-47A	SIGHT ON 526+67.73
		(ESTIMATE)	2.20	-11.5	1 51° 20'	
		"	2.10	-10.5	2 50 28	
		"	1.90	-8.5	3 46 50	
		"	1.85	-8.0	4 43 40	
			1.60	-5.5	5 39 15	
			1.38	-3.3	6 34 50	
			1.28	-2.3	7 27 50	
			1.10	-0.5	8 23 34	RAD SURF & CONC. X
			8.8	1.7	ABOUT 25 FT OUT FROM BOTT. OF ROCK RIP RAP APROX. 105 LEFT OF CONTROL LINE	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 67
X-Sec. No. ____ Date ____ Date ____ Survey of SANTA MONICA ON BEACH AREA
Notes Chkd. ____ Checked ____ Survey by WATSON PIKELER Notes ADAMS Date 3-28-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

765420A - CE 353A - Cdb 9-62

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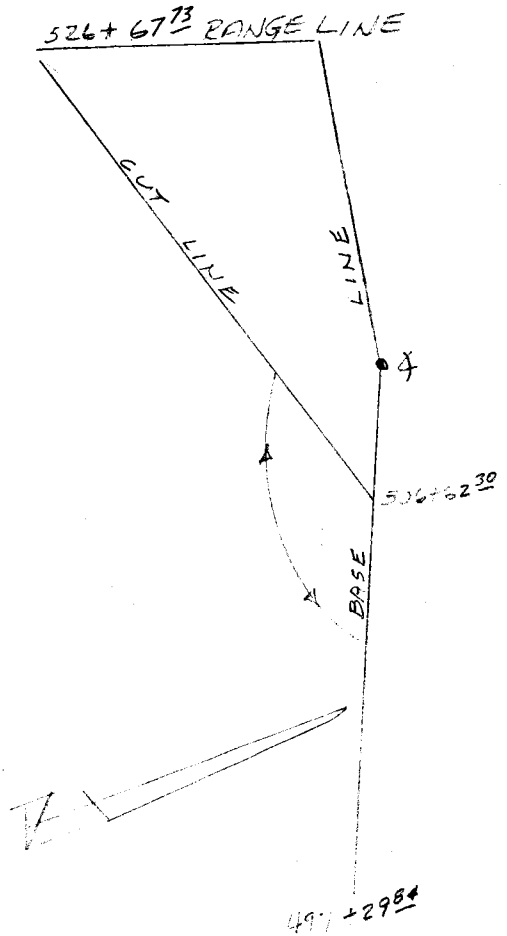
726 Los Angeles County Engineering Bldg.

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 526 + 67.73 N

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
506+62.30	491+29.84	9:01	1	111°	47'				
			2	112°	27'				
			3	113°	13'				
			4	114°	08'				
			5	115°	10'				
			6	116°	05'				
			7	117°	15'				
			8	118°	26'				
			9	119°	33'				
			10	120°	37'				
			11	122°	02'				
			12	123°	23'				
			13	125°	09'				
			14	126°	45'				
			15	128°	34'				
			16	130°	32'				
			17	132°	32'				
			18	134°	02'				
			19	137°	28'				
			20	140°	04'				



Profile
Notes Red. Plotted Job No. Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by Notes Date 3-28-67
No. Date Date Map No. Indexed C. A. CALL Date
F. B. 3791 Pg. 69

F. B. 3791 PG. 70 | Job No. 0882.50 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

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

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

PLEASE RETURN TO

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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					
506+62.30	497+29.84		21	143°	46'			
			22	145°	59'			
			23	149°	09'			
			24	151°	30'			
			25	155°	46'			
			26	158°	52'			
			27	157°	53'			
			28	160°	13'			
			29	163°	17'			
			30	164°	21'			
			31	166°	07'			
			32	167°	45'			
			33	169°	38'			
		9:09	34	171°	35'			

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. 6882.50 Division No. 11 F.B. 3791 Pg. 71
No. ____ Date ____ Date ____ Survey of SANTA DOMINGO CANYON BRANCH AREA 4
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by WILSON & KERN Notes 2-28-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	529+0705 N	
	506	1291		785	T.P. From PREVIOUS PG. LEFT	
			273	1018	74' BOT BANK	DATUM
			+145	274	50' TOP "	MEAN LOWER LOW WATER
			+138	267	55' 14' AHEAD TOP BANK	
			42	87	55' 42' " BOT. BANK	F.L. DRAIN
			+138	267	22' TOP BANK	
			+39	168		℄ SIDE DRAIN
			39	90		℄ 20' AHEAD BOT DRAIN
			00	129		RIGHT 65' BACK OF BLDG FLOOR ELEV
			45	84		65' BOT DRAIN
T.P.			096	1245	T.P. Rock	DRAIN RUNS UNDER BLDG
T.P.	012	10 30 4 6 5 7		1018	T.P. 74 FT	CUT GUN AT N-47A SIGHT ON 529+07.05
			27	76	80 FT LEFT	
			74	29	114 FT. LEFT	
			57	46	100 FT. " M.H.W	
			100	03	E1 15° 22'	
			118	-15	2 23 35	
			140	-37	3 29 49	
			160	-57	4 34 19	
		EST.	200	-97	5 37 47	EST. 3 FT OVER 19 AT. COD

CONT.

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.

F.B. 3791 Pg 72 | Job No. 8382.50 Division No. 11 Notes Red Plotted Profile
Survey of Santa Monica Co. Beach Area Date Date No. X-Sec.
Survey by Notes Checked
Indexed L. J. GALLI Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	530+12 N (20 FT N. OF CENTER OF GROIN)
T.P.	6.01	16.19		10.18	T.P. ON CONC. 74 FT LEFT BOTT BANK
			0.0	16.2	100 FT LEFT 20 FT N. ℄ GROIN
			1.7	14.5	150 " " TOP BRK.
			5.7	10.5	180 " " BOTT BRK
			6.8	9.4	211 " " TOP "
			11.0	4.2	253 " "
			15.5	0.7	290 " "

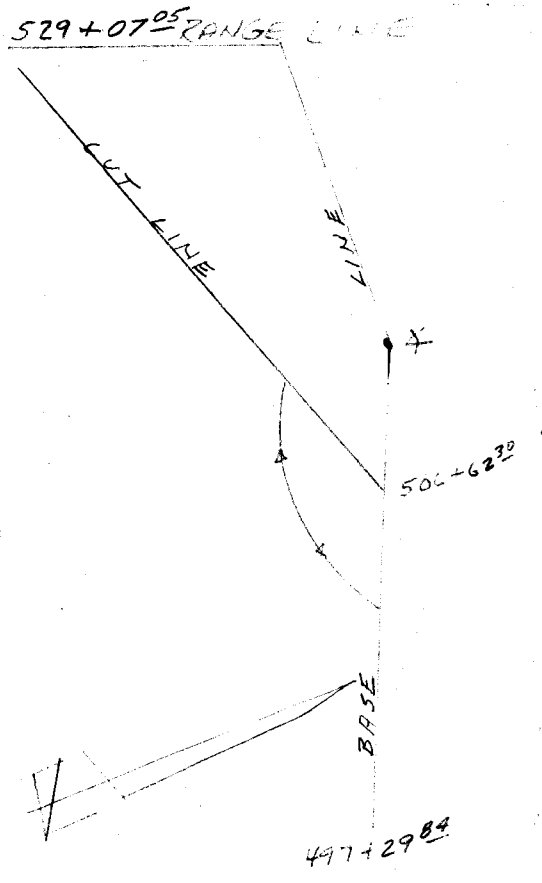
765420A - CE 353A - Cdb 9-62

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 529+07.05 N.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
506+62.30	497+29.84	9:21	1	116°	34'			
			2	117°	36'			
			3	118°	30'			
			4	119°	40'			
			5	121°	11'			
			6	122°	08'			
			7	123°	33'			
			8	125°	30'			
			9	127°	11'			
			10	129°	01'			
			11	130°	55'			
			12	133°	12'			
			13	135°	27'			
			14	138°	02'			
			15	140°	50'			
			16	143°	41'			
			17	146°	36'			
			18	150°	18'			
			19	153°	17'			
			20	156°	15'			



Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by Notes Date 3-28-67
No. Date Date Map No. Indexed G. J. GALLI Date
F. B. 2741 Pg. 73

F. B. 3791 Pg. 74 Job No. 0882.50 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed [illegible] Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
506+62.30	497+29.84		21	159°	10'			
			22	161°	33'			
			23	163°	57'			
			24	165°	48'			
			25	167°	31'			
			26	168°	51'			
		9:27	27	175°	15			

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	531+70.50N	
	6 98	19 43		12 45	T.P. FROM PREVIOUS LEAF	PG RIGHT
			11 42	8 01	205' SET 1X2	
			6 3	13 1	150' GR. CH.	
			5 0	14 4	51' BOT BANK	
			+2 1	21 5	30 TOP "	
			+2 2	21 6		℄ MAC. DAV. PK. LOT
			+3 0	22 4		122' GUT. EDGE RD.
T.P.	1 69	9 70		8 01	T.P. 1X2 205 FT LEFT.	FLUSH
					CUT GUN AT 536+73.27	SIGHT ON 531+70.50
		(ESTIMATED)	21 0	-11 3	#1 50° 11'	
		(")	18 2	-8 5	2 45 43	
			14 3	-4 6	3 41 36	
			12 5	-2 8	4 37 22	
			10 6	-0 9	5 33 28	
			8 3	1 4	6 29 37	
			5 1	4 6	238 FT. LEFT M.H.W.	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 Pg. 75
X-Sec. No. ____ Date ____ Date ____ Survey of SANTA MONICA EN. BEACH AREA
Notes Chkd. ____ Checked ____ Survey by WILSON DEFIER Notes ADAMS DEFIER Date 7-28-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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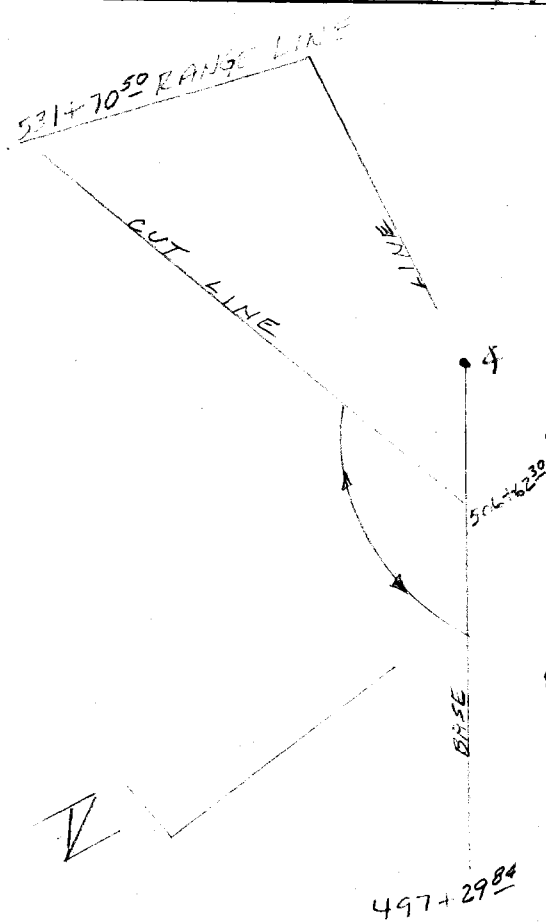
726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line RANGE LINE 531+70.50 N

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Min.	For Office Use Only Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
506+62.30	497+29.84	9'39	1	117°	21'			
			2	118°	19'			
			3	119°	22'			
			4	120°	37'			
			5	121°	38'			
			6	122°	22'			
			7	124°	32'			
			8	126°	23'			
			9	128°	14'			
			10	129°	32'			
			11	131°	41'			
			12	133°	54'			
			13	135°	42'			
			14	137°	45'			
			15	140°	25'			
			16	145°	03'			
			17	147°	25'			
			18	142°	23'			
			19	150°	55'			
			20	153'	57'			



Profile
No. X-Sec.
Notes Red. Date
Notes Chkd. Date
Date
Plotted Date
Checked Date
Job No. 0862.50 Division No. 11
Survey of LOS ANGELES COUNTY SURVEY
Survey by [illegible] Notes [illegible] Date 3-28-67
Map No. Indexed C. J. GALL Date
F. B. 379 Pg. 77

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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. 3791 Pg. 78 Job No. 0882.50 Division No. 11 Notes Red. Date Notes Chkd. Date

Survey of HYDROGRAPHIC SURVEYS Plotted Date Checked Date

Survey by RICHARDS Notes J. G. Date

Indexed C. J. GALLI 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					
506+62.30	497+29.84		21	156°	47'			
			22	154°	16'			
			23	151°	08'			
			24	139°	53'			
			25	166°	21'			
			26	165°	49'			
			27	167°	19'			
		9:45	28	165°	35'			

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.	533+71.61N	
		19 43			H.I. FROM PREVIOUS PG LEFT	RIGHT
			8 22	11 21	160' SET 1X2	
			7 4	12 0	155' GR. CH.	DATUM MEAN LOWER LOW WATER
			5 8	13 6	108' " "	
			4 9	14 5	53' BOT BANK	
			+2 7	22 1	24' TOP "	
			+1 6	21 0		℄ MAC PAV PK LOT
			+2 8	22 2		73' GUT. EDGE RD
T.P.			5 36	14 07	T.P.	
T.P	1 16	12 37		11 21	T.P. 1X2 160' FT LEFT	
	0 65	9 02	4 00	8 37	T.P.	
		4 6 4 4	4 4	4 6	205 FT. LEFT MHW	
			~~8 7~~		CUTGUN AT 536+73 27	SIGHT ON 533+71 61
			8 7	0 3	#1 41° 45'	
			11 6	-2 6	2 50 14	
			14 3	-5 3	3 56 15	
			18 0	-9 0	4 61 07	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8852.50 Division No. ____ F.B. 3791 Pg 79
X-Sec. No. ____ Date ____ Date ____ Survey of SANTA MONICA CN BEACH AREA
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes NOAD'S DREIER Date 7-25-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO

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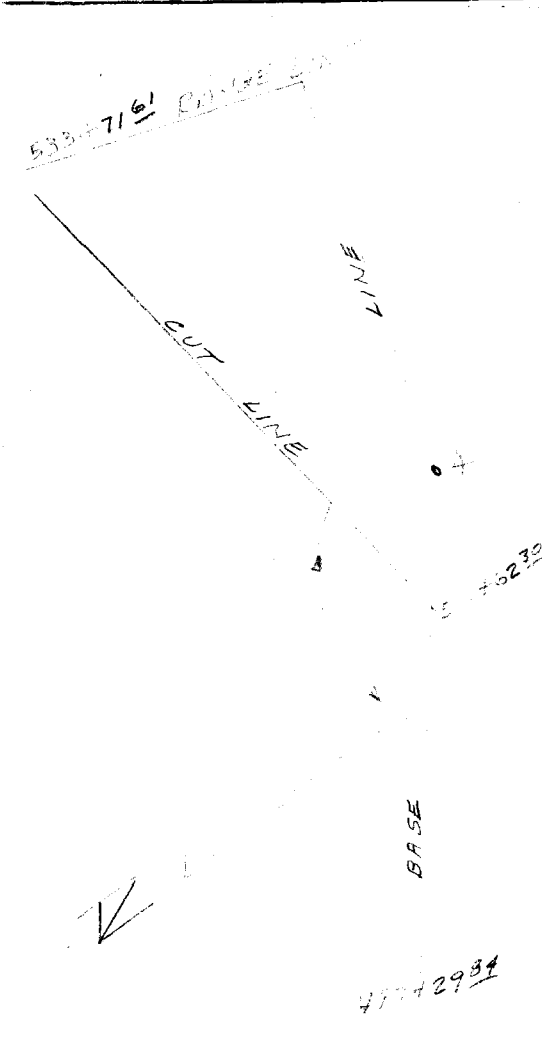
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. RANGE LINE 533+71.61 N

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
[illegible]+62.30	[illegible]+29.84	[illegible]	1	[illegible]	[illegible]			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			
			4	[illegible]	[illegible]			
	[illegible]	10:00	5	[illegible]	[illegible]			
		[illegible]	6	[illegible]	[illegible]			
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	133	[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]			



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 3791 Pg. 81

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

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHMOND Notes [illegible] Date 3-28-67

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

F. B. 3791 PG. 82 | Job No. 0882.50 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEYS Date _____ Date _____ No. _____

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

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

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Line Min.	Card No.
506+62.30	497+29.84		21	157°	15'			
			22	159°	30'			
			23	157°	30'			
			24	156°	45'			
			[illegible]	[illegible]	[illegible]			
		[illegible]	[illegible]	[illegible]	[illegible]			

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	536+73.27N	
	166	1573		1407	T.P. FROM PREVIOUS PG LEFT	RIGHT
			590	983	110' Set 1x2	
			45	112	98' GR. CH.	
			17	140	38' BOT BANK	
			+74	231	16' TOP "	
			+67	224		℄ MAC PAV PK LOT
			+62	219		14' " " "
			+71	228		50' GUT. EDGE RD.
T.P.	129	1112		983	110 FT. LEFT 1x2 FLUSH	
T.P.	115	774	453	659	T.P	
					CUT GUN AT 1 S 533+71.61	SIGHT ON 536+73.27
			196	-113	#1 52° 49'	EST. 2 FT OVER 17'
			152	-75	2 47 35	
			113	-36	3 43 41	
			95	-18	4 37 57	
			76	01	5 32 46	
			64	13	6 29 22	
			31	46	145 FT LEFT M.H.W.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0882.50 Division No. 11 F.B. 3791 PG. 83
No. ____ Date ____ Date ____ Survey of SANTA MONICA ON BEACH AREA
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON PREVIER Notes WILSON PREVIER Date 5-28-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

765420A - CE 353A - Cdb 9-62

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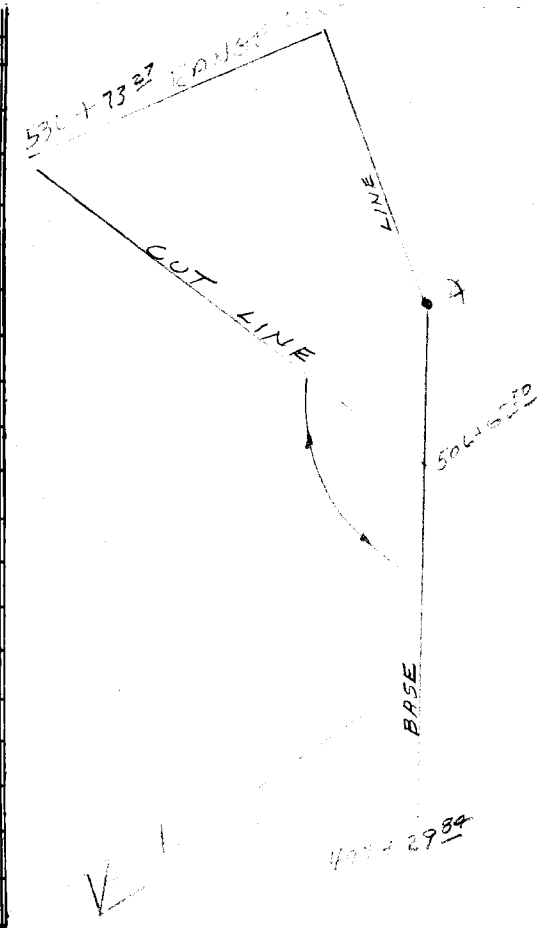
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 536 + 73.27 N

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
506+62.30	407+29.84	10:25	1	123°	45'			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			
			4	[illegible]	16'			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			
			10	[illegible]	[illegible]			
			11	[illegible]	00'			
			12	[illegible]	[illegible]			
			13	[illegible]	37'			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			
			16	152°	30'			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			
			19	160°	55'			
			20	163°	18'			



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 373 Pg. 85
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 3-28-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3791 PG. 86 | Job No. 0552-50 Division No. 4 Notes Red. Plotted Profile

Survey of [illegible] Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

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Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No. Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	For Office Use Only Range Line Min.	For Office Use Only Card No.
526+62.30	497+29.84							

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.	539 + 74.93N	
		15 73			H.I. FROM PREVIOUS PG LEFT RIGHT	
			7 17	8 56	82' SET 1X2	
			5 7	10 0	67' GR. CH.	
			3 4	12 3	32' BOT. BANK	
			+7 3	23 0	10' TOP "	
			+7 5	23 2		28' GUT. EDGE RD.
			7 45	8 28	T.B.M. ON ROCK GROIN	
	13 29	21 57				
TP	6 56	27 68	0 45	21 12		
TP			4 39	23 29		
	4 35	27 64				
TP			5 04	22 60		
	7 22	29 82				
BM 48-41			5 27	24 55	BM ELEV 2460 MLLW	
	0 01	8 57		8 56	T.P. 1X2 82 FT. LEFT	FLUSH
			4 0	4 6	122 FT LEFT M.H.W.	
			6 0	2 6	149 " "	
					CONT.	

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No. Notes Red Date Plotted Date Notes Chkd. Date Checked Date Job No. 0882.50 Division No. 11 Survey of SANTA MONICA ON BEACH AREA Survey by WILSON DREIER Notes ADAMS DREIER Date 2-28-67 Map No. Indexed C. J. GALLI Date

F.B. 3791 Pg. 87

76-L-298 CE 307 2-63

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F.B. 3791 Pg. 88 | Job No. 8882.50 Division No. 11 Notes Red Plotted Profile
Survey of SANTA MONICA CAL. BEACH AREA Date Date No. X-Sec.
Survey by DREIER Notes DREIER Notes Chkd. Checked
Indexed G. J. GALL Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	539+74.93N L	R
					CONT.	
		8 57			CUT GUN AT 533+71½ SIGHT ON N-49 A	
			80	06	#1 17° 28'	
			93	- 07	2 20 40	
			120	- 34	3 25 59	
			145	- 59	4 30 00	
			172	- 86	5 32 29	

76S420A - CE 353A - Cdb 9-62

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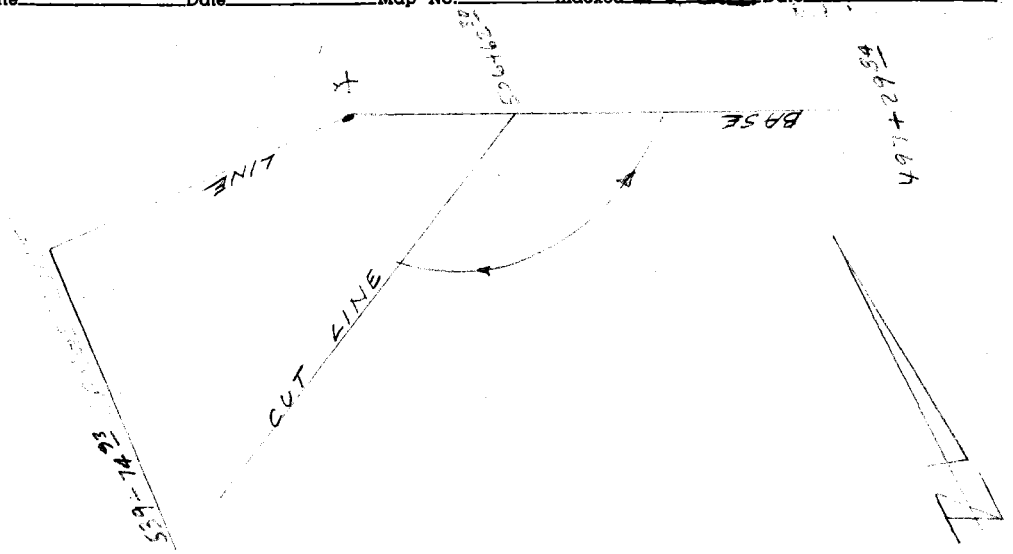
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line RANGE LINE 539+74.93 N

Profile	Notes Red.	Plotted	Job No. 0882.50	Division No. 11	F. B.	Pg. 89
No.	Date	Date	Survey of HYDROGRAPHIC SURVEY			
X-Sec.	Notes Chkd.	Checked	Survey by [illegible]	Notes [illegible]	Date 3-28-67	
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date	



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					
500+62.30	497+29.84	[illegible]	1	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	144°	46'			
			[illegible]	146°	37'			
			[illegible]	148	51'			
			[illegible]	151°	25'			
			[illegible]	153°	44'			
			[illegible]	156°	57'			
			[illegible]	[illegible]	[illegible]			

F. B. 3791 PG. 90 | Job No. 088250 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEYS Date _____ Date _____ No. _____

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

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

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE No	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	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					
506+62.30	497+29.84							

Profile	Notes Red	Plotted	Job No. 0300.02	Division No. 11	F.B. 3791	Pg. 93
No.	Date	Date	Survey of HYDROGRAPHIC SURVEYS			
X-Sec.	Notes Chkd.	Checked	Survey by R. C. W	Notes RCW	Date 3-20-67	
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date NOV 17 '67	

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

MALIBU HYDROGRAPHIC SURVEY
JN 0300.02

BEACH "X" SECTIONS
FROM
717+50 N
TO
806+52.79 N

CON'T IN FB. 3792
MAR '67

DATUM
MEAN LOWER LOW WATER

MLLW DATUM

MHW = 4.60'

ELEV.

MSL = 2.75'
MLLW = 0.00'

F.S.

H.I.

RICHARDS
BAZEN
FOULGER
TURRILL
BANKSON
GOODWIN
LOMONT

WILSON
ADAMS

DREIER
WILKS
SIEMAN
McKNIGHT

SWIMMERS
GEROLD
GREGG
AMUNDSON

B.S.

DATUM
MEA[illegible] [illegible]W WATER

STATION

76L-298 CE 307 11-58

76L-298 CE 307 11-58

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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		
BM 48-62				31 45	USC&GS DISC "P-99-1933" @ S.E. COR OF BRIDGE OVER TOPANGA CREEK FB 1369-52 MSL EL = 28.70'	
	5 91	37 36				
TP			12 36	25 00		
	3 98	28 98				
TP			12 22	16 76		
	1 83	18 59				
TP			10 48	8 11	(LRG. ROCK)	
	3 95	12 06				
TP			1 88	10 18		
	4 83	15 01				
TP			3 87	11 14		
	4 48	15 62				
N-75			4 61	11 01	FD. 1"X2" 718+18.34 - PG 13	
	5 39	16 40				
TBM			2 99	13 41	CH "+" IN CAST IRON GROIN.	

F.B. 3791 Pg. 94

Job No. 2300.02 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of MALIBU HYDRO Date ____ Date ____ No. ____

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

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

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY	F. B. 3791 PG. 95
Map No.	JN 0300.02 Tape Std °F	
Office Work	Surveyed by RICHARDS	
Checked	Notes UNARRIET Date 3-21-67	
Date	Indexed C. J. GALLI NAV 17 67	

TIDE GAGE READINGS
MAR. 21, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	4.4
6:30	4.1
7:00	3.8
7:30	3.4
8:00	2.9
8:30	2.3
9:00	1.8
9:30	1.3
10:00	0.7
10:30	0.2
11:00	-0.2
11:30	-0.5
12:00	-0.7
12:30	-0.8
13:00	-0.8
13:30	-0.5
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.

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76F309S CE#310 1-65

F. B. 3791 PG 96

- TIDES - 3-21-67

Predicted Tides

Observed Tide

+4 +2 0 -2

6 AM

8 AM

10 AM

12 Noon

2 PM.

4 PM.

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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.	717+50 N. L R
N-75	8 68	1969		1101.	
			11 6	8 1.	32 SLP
			8 9	10 8.	17 TOP
			7 64	1205	1"x2" STK
			7 2	12 5.	5 FT BOTT.
			1 7	18 0.	17 TOP
			1 9	17 8.	36 BLDG.
T.B.M.			6 28	13 41	EL. 13.41
717+50	0 28	12 33		1205	1 X 2 STK.
			1 4	10 9.	19 FT LEFT
			3 1	9 2.	24 " "
			7 7	46.	58 " " M.H.W.
T.P.	1 50	6 03	7 76	45 3	T.P.
			4 2	1 9.	88 FT. "
					CUT GUN AT 725 + 72.7 SIGHT ON N-75
			57	04.	*1 8° 00'
			75	- 14. 2	9 50
			75	- 14. 3	10 50
			87	- 26. 4	12 N
			83	- 22. 5	16 30

DATUM
MEAN LOWER LOW WATER

CONT.

Profile Notes Red. Plotted Job No. 03000 Division No. 11
No. Date Date Survey of MALIBU AREA HYD RD
X-Sec. Notes Chkd. Checked Survey by KEELER Noted DREIER Date 3-21-67
No. Date Date Map No. Indexed C. J. GALLI Date

F.B. 3791 Pg. 97

76-L-298 CE 307 2-63

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F.B. 3791 Pg 98 Job No. 8300.02 Division No. Notes Red Plotted Profile
Survey of MALIBU AREA HYDRO. Date Date No. X-Sec.
Survey by WILSON Notes DREIER Notes Chkd. Checked No.
Indexed C. J. GALLI Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	717+50 CONT.
					GUN AT 725+72? SIGHT ON N-75
		6 07			
			101	-40.# 6	18° 34'
			120	-59. 7	21 20
			135	-74. 8	23 16

76S420A - CE 353A - Cdb 9-62

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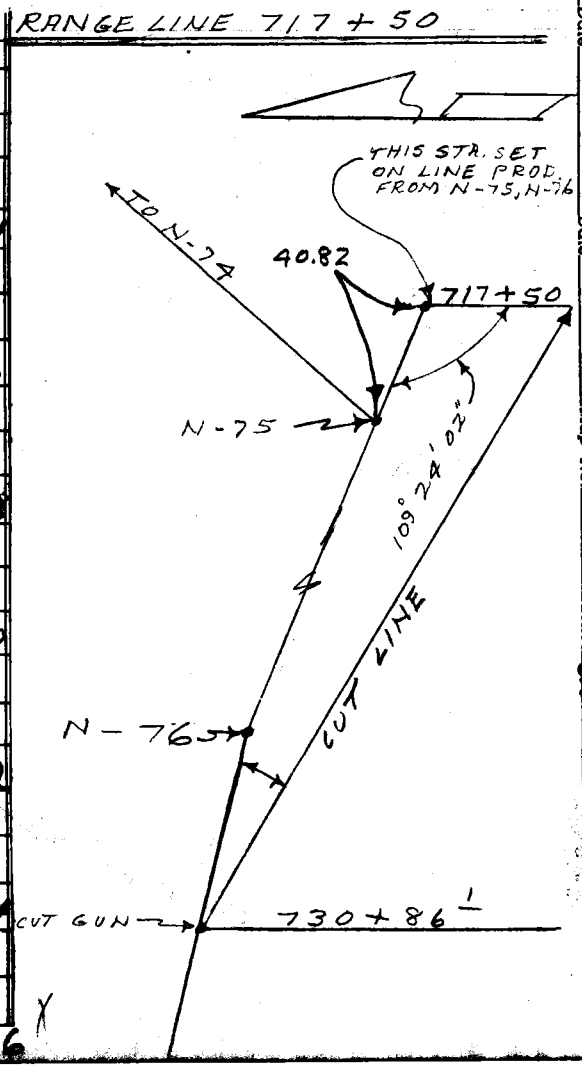
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
730+86 1/2	N-76	7:45	1	60°	27'			
			2	59°	15'			
			3	58°	17'			7175014
			4	57°	12'			
			5	56°	03'			
			6	54°	55'			7175016
			7	53°	01'			
			8	51°	53'			
			9	50°	00'			7175018
			10	48°	23'			
			11	46°	52'			
			12	44°	52'			7175020
			13	42°	53'			
			14	41°	17'			
			15	38°	38'			7175022
		7:52	16	36°	53'			
		8:03	17	35°	54'			
			18	34°	33'			7175024
			19	32°	42'			
			20	30°	55'			
				29°	27'			7175026

RANGE LINE 717 + 50



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 9
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-21-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. I. GALLI Date ____

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F. B. 3781 Pg. 100 Job No. 030002 Division No. 11

Survey of HYDROGRAPHIC SURVEYS

Survey by RICHARDS Notes ST. G.

Indexed C.J.GALLI Date

Profile No. X-Sec.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date No.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
			~~21~~	~~29°~~	~~27'~~			
730+86	N-76	8:04	22	27°	43'			
				00	00			
				00	00			7175028
				00	00			
				00	00			
				00	00			7175030

76-L-298 CE 307 2-63

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Profile Notes Red ____ Plotted ____ Job No. 230002 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
X-Sec. Notes Chkd. ____ Checked ____ Survey by KILSBY & REIER Notes DREIER Date 3-21-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

F.B. 3791 Pg. 101

STATION	B.S.	H.I.	F.S.	ELEV.	720+42 ℄ N. L	R
T.B.M	509	18 50'		1341'		
			110	75'	21 SIP	
			704	11 46'		1X2 TOP
			51	13 4'		18 BK
			29	156		35
			13	172'		38 TOP WALL
T.P.			383	1467		
T.P.	048	11 94		1146'	T.P.	1X2 & FLUSH
			11	108'	3 FT LEFT	
			73	46'	44 " " M.H.N.	
			90	29'	60 " "	
T.P	355	661	888	306'	T.P. CUT GUN AT 725+72½ SIGHT ON N-75	
			152	-86'	*1 30° 46'	
			135	-69'	2 27 56	
			137	-71'	3 26 23	
			101	-35'	4 22 53	
			89	-23'	5 19 25	
			76	-10'	6 16 19	
			73	-07'	7 13 07	
			59	07'	8 10 03	
			55	11'	9 7° 58'	

DATUM
MEAN LOWER LOW WATER

765420A - CE 353A - Cdb 9-62

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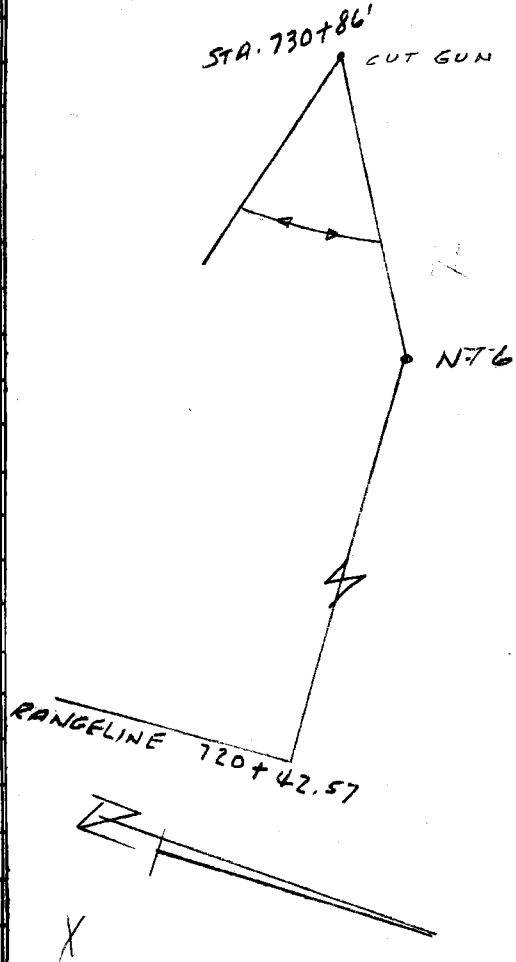
RANGE LINE 720+42.57

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					
730+86	N-76	8:19	1	64°	19'			
			2	63°	18'			
			3	61°	52'			7204314
			4	60°	15'			
			5	58°	41'			
			6	56°	40'			7204316
			7	54°	43'			
			8	51°	50'			
			9	48°	50'			7204318
			10	45°	34'			
			11	41°	57'			
			12	39°	20'			7204320
			13	37°	22'			
			14	34°	26'			
			15	32°	06'			7204322
			16	29°	43'			
			17	27°	06'			
		8:23	18	25°	12'			7204324
				00	00			
				00	00			
				00	00			7204326



Profile
No. X-Sec. No.
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Job No. 030002 Division No. 11
Survey of HYDROGRAPHIC SURVEYS
Survey by RICHARDS Notes by T. G. Date 3-21-67
Map No. Indexed C. J. GALLI Date
F. B. 3791 Pg. 103

F. B. 3791 Pg. 704 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEYS | Date | Date | No.

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

Indexed [illegible] | Date | Date | Date | No.

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

Do not extend notes this side of this line.

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

76-L-298 CE 307 2-63

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.	723+07.62N L	R
T.P.	4 71	19 38		14 67		
			114	80	9 SLP	
			8 52	10 86	1X2 STK	
			71	12 3		26 BOTT
			51	14 3		35 TOP
			32	16 2		62
			15	17 9		89 BOTT BK
			185	26 4		114 E. RD.
T.P.			631	13 07		
T.P.	0 15	11 01		10 86	T.P. 1X2	
			2 2	8 8	5 FT. LEFT	
			6 4	4 6	31 " " M.H.W.	
			9 7	1 3	63 " "	
T.P	2 36	5 57	7 80	3 21	T.P. CUT GUN AT 725+72? SIGHT ON N-75	
			5 4	0 2	#1 20° 20'	
			6 8	-1 2	2 26 42	
			8 1	-2 5	3 31 08	
			10 4	-4 8	4 33 31	
			11 1	-5 5	5 36 04	
			10 8	-5 2	6 37 43	

DATUM
MEAN LOWER LOW WATER

CONT.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 105
Date ____ Date ____ Survey of MALIBU AREA HYDROGRAPHIC
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes DREIER Date 3-21-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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.

F.B. 3791 PG. 106 | Job No. 030002 Division No. 11 | Notes Red ____ Plotted ____ Profile
Survey of MALIBU AREA HYDROGRAPHIC | Date ____ Date ____ No. ____ X-Sec.
Survey by DREIER Notes DREIER | Notes Chkd. ____ Checked ____ No.
Indexed C. J. GALLI Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	723+07.6 N. L	R
					CONT.	
		5 57			CUT GUN AT 725+72.1 SIGHT ON N-75	
			119	-63.4	7 39° 57'	
			112	-56.8	8 44 10	
			150	-94.9	9 45 50	

765420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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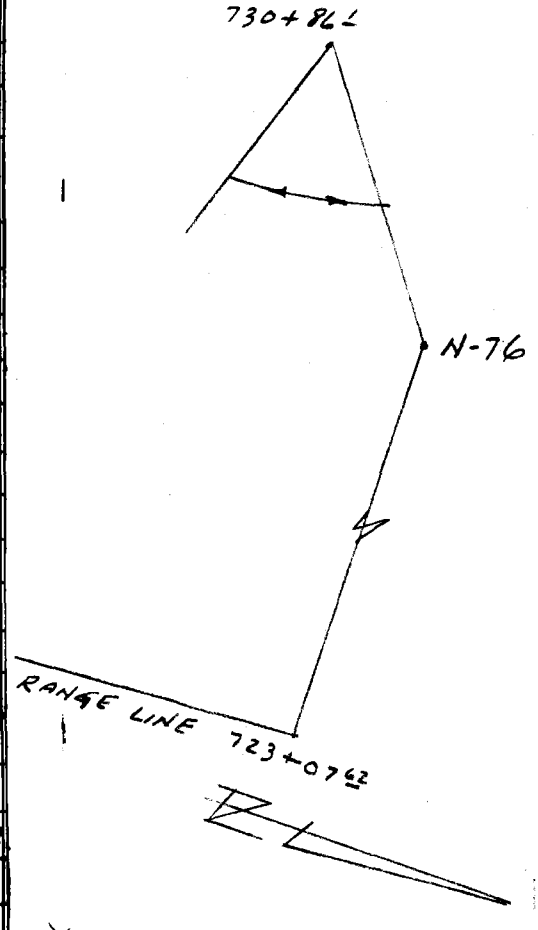
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
730+86 ℄	N-76	8:32	1	68°	46'			
			2	67°	40'			
			3	66°	45'			7230814
			4	65°	27'			
			5	64°	08'			
			6	62°	38'			7230816
			7	61°	27'			
			8	60°	10'			
			9	58°	32'			7230818
			10	56°	33'			
			11	54°	13'			
			12	51°	50'			7230820
			13	49°	27'			
			14	46°	52'			
			15	44°	14'			7230822
			16	41°	33'			
			17	38°	58'			
			18	35°	45'			7230824
			19	32°	43'			
			20	29°	30'			
				26	58'			7230826

RANGE LINE 723+07.62



Profile
Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 107
No. Date Date Survey of HYDROGRAPHIC SURVEYS Date 3-21-63
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date
No. Date Date Map No. Indexed C.J. CALLH Date

F. B. 3791 Pg. 108 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed C.J. GALLI Date Date Date No.

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No.
730+82	N-76	8:38	21	34	54				

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.	725+72 ± N. L	R
T.P.	3 44	16 51.		13 07.		
			9 1	7 4°	21° SLP	
			4 66	11 85		1X2' STK
			3 9	12 6.		7° BOTT. WALL
			2 0	14 5.		8 TOP "
			1 8	14 7.		31
			1 6	14 9.		72 BOTT SLP.
			11 0	25 9.		92 E. RD.
T.P.			7 10	9 41.		
T.P.	0 74	12 59.		11 85	T.P.	1X2 FLUSH
			8 0	4 6.	43 FT. LEFT M.H.W.	
T.P.	1 46	6 29.	7 76	4 83	T.P. CUT GUN AT 723+07	SIGHT ON N-76
			3 8	2 5.	65 FT. LEFT	
			180	-11 7.	#1 80° 15'	ESTIMATE 1 FT OVER 17 FT. ROD
			161	- 9 8.	2 76 21	
			156	- 9 3.	3 72 19	
			149	- 8 6.	4 68 33	
			133	- 7 0.	5 65 68	
			118	- 5 5.	6 59 39	
			110	- 4 7.	7 55 14	CONT.

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted Job No. 030002 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDROGRAPHIC
No. Notes Chkd. Checked Survey by KUSSY BREIER Notes BREIER Date 3-21-67
Date Date Map No. Indexed C.J. GALLI Date

F.B. 3791 Pg 109

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.

F.B. 3791 Pg. 110 Job No. 030402 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of MALIBU AREA HYDRO. Date ____ No. ____ X-Sec. ____
Survey by DREIER Notes DREIER Notes Chkd. ____ Checked ____ No. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV.	725+72.2 N, L	R
					CONT.	
		6 29			CUT GUN AT 723+07	SIGHT ON N-76
			101	-38.8	8 50° 15'	
			85	-22.9	9 48 05	
			91	-28.10	10 42 53	
			90	-27.11	11 37 21	
			81	-18.12	12 32 10	
			63	00.13	13 25 03	

76S420A - CE 353A - Cdb 9-62

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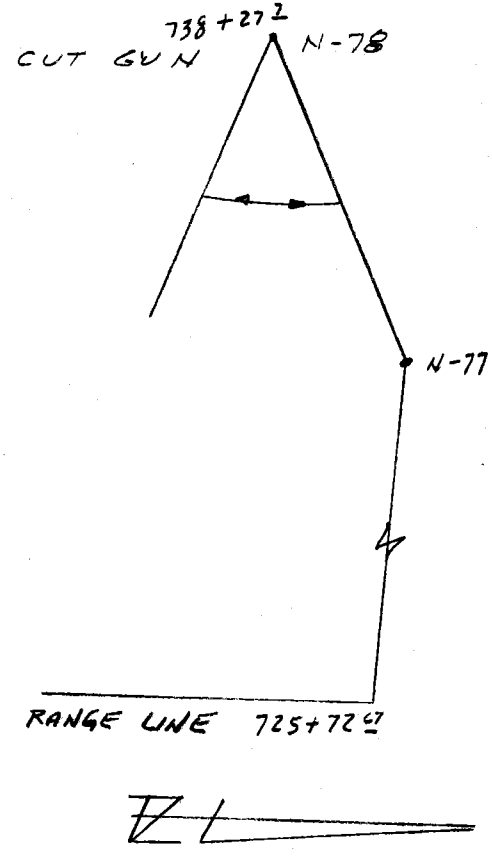
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 725+72.67

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					
738+27.2	N-77	9:07	1	49°	11'			
			2	48°	08'			
			3	47°	02'			7257316
			4	45°	37'			
			5	44°	21'			
			6	42°	30'			7257318
			7	41°	09'			
			8	39°	31'			
			9	37°	43'			7257320
			10	34°	12'			
			11	31°	20'			
			12	28°	17'			7257322
			13	23°	55'			
			14	18°	34'			
			15	16°	20'			7257324
			16	13°	52'			
			17	12°	07'			
			18	10°	16'			7257326
		9:12	19	08°	31'			
				00	00			
				00	00			7257328



Profile Notes Red. Plotted Job No. 030002 Division No. 11 F.B. 3791 Pg. 111
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARD Notes J.G. Date 3-21-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3791 Pg. 112 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

76-L-298 CE 307 2-63

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0306.02 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
Notes Chkd. ____ Checked ____ Survey by KILGAU DREIER Notes DREIER Date 3-21-67
Date ____ Date ____ Map No. ____ Indexed C.J.GALLI Date ____

F.B. 3791 PG. 113

STATION	B. S.	H. I.	F. S.	ELEV.	728+35 8 N. L R
T.P.				941	N-76 728+03 2 1x2"
	492	1433			
			687	746	1X2 STK
			74	69	2
			63	80	5 BOTT.
			37	106	9 TOP
			08	135	27 BK.
			105	240	55 E. RD.
T.P.			635	798	
T.P.	000	746		746	1X2 STK
			29	46	19 FT LEFT M.H.W.
			51	24	48 " "
			62	13	77 " "
T.P.	363	540	569	177	CUT GUN AT N-77, SIGHT ON N-76
			70	-16	#1 17° 53'
			70	-16	2 23 18
			74	-20	3 27 31
			94	-40	4 30 04
			89	-35	5 31 36
			115	-61	6 37 20 CONT.

DATUM
MEAN LOWER LOW WATER

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.

F. B. 3791 Pg. 114 | Job No. 8300.02 Division No. | Notes Red | Plotted | Profile
Survey of MALIBU AREA HYDRO | Date | Date | No.
Survey by DEEIER Notes DEEIER | Notes Chkd. | Checked | X-Sec.
Indexed C.J. GALLI Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	728+35 ±	
					CUT GUN AT N-77	SIGHT ON N-76
		5 40				
			12 4	- 7 0.	7 39° 42'	
			14 0	- 8 6.	8 44 09	
			13 0	- 7 6.	9 47 22	
			15 4	- 10 0.	10 50 26	

765420A - CE 353A - Cdb 9-62

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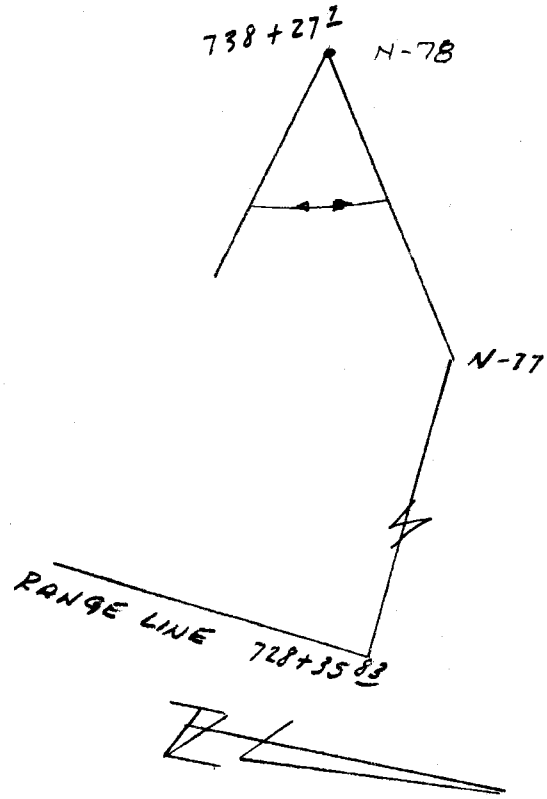
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 728+35.83

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					
738+27.1	N-77	9:27	1	54°	48'			
			2	54°	02'			
			3	52°	53'			7283614
			4	51°	40'			
			5	50°	37'			
			6	49°	27'			7283616
			7	47°	48'			
			8	46°	03'			
			9	43°	39'			7283618
			10	41°	29'			
			11	38°	28'			
			12	35°	41'			7283620
			13	32°	25'			
			14	28°	34'			
			15	25°	10'			7283622
			16	22°	10'			
			17	19°	18'			
			18	16°	58'			7283624
			19	14°	07'			
			20	11°	01'			
				09°	11'			7283626



Profile Notes Red. Plotted Job No. 0300027 Division No. 4
No. Date Date Survey of HYDROGRAPHIC SURVEYS F.B. 3791 Pg. 115
X-Sec. Notes Chkd. Checked Survey by [illegible] Noted T.G. Date 3-21-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3791 PG. 116 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
738+27±	N-77	9:32	21	~~09~~	~~11~~			

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.	730+86' L	R
T.P.				798		
	906	1704°				
			122	48.	15 SLP	
			909	795.		1"x2" STK
			75	95.		8 TOP
			47	123.		28 BK
			↑100	223.		54 E. RD.
T.P.			863	841.		
T.P.	031	826.		795.		1X2 STK
			37	46.	17 FT LEFT M.H.W.	
			53			
			70			
			81			
T.P.	526	599	753	073.	T.P. CUT GUN AT 728+35.8, SIGHT ON N-77	
			182	-122.	#1 67° 33'	EST. 1½ OVER 17 FT. ROD
			168	-108.	2 65 04	
			138	-78.	3 63 06	
			140	-80.	4 55 03	
			112	-52.	5 51 21	
			102	-42.	6 44 25	CONT

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3791 Pg. 117
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes DREIER Date 3-21-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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.

F. B. 3791 Pg. 118 | Job No. 0300.02 Division No. 11 | Notes Red Plotted Profile
Survey of MALIBU AREA HYDRO. | Date Date No. X-Sec.
Survey by DREIER Notes DREIER | Notes Chkd. Checked No.
Indexed B. J. GALLI Date | Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	730 + 86 L	R
					CONT CUT GUN AT 728+35, SIGHT ON N-77	
		5 99				
			10 3	- 4 3.	*7 40° 26'	
			9 1	- 3 1.	8 35 44	
			7 6	- 1 6.	9 30 25	

765420A - CE 353A - Cdb 9-62

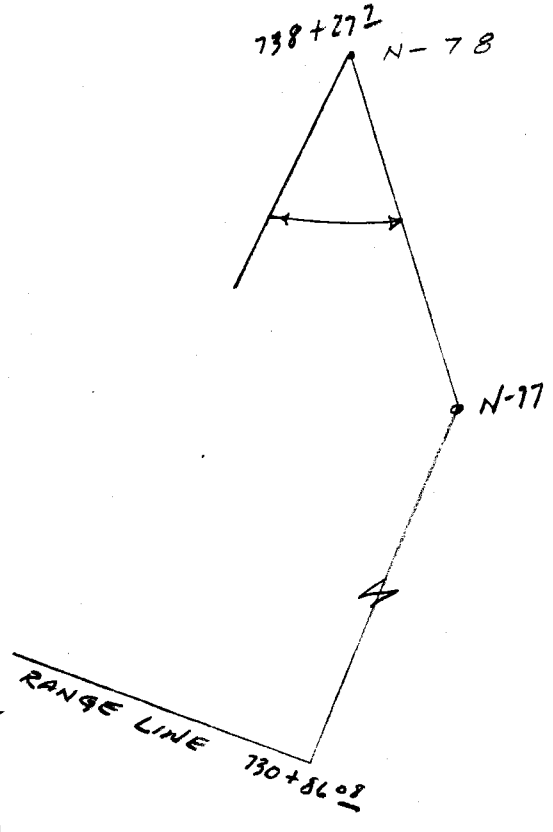
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 730+86.08.

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					
738+27.2	N-77	9:44	1	59°	09'			
			2	58°	24'			
			3	57°	26'			7308614
			4	56°	35'			
			5	55°	26'			
			6	54°	07'			7308616
			7	52°	47'			
			8	51°	11'			
			9	49°	14'			7308618
			10	47°	22'			
			11	44°	26'			
			12	41°	50'			7308620
			13	39°	55'			
			14	38°	03'			
			15	35°	34'			7308622
			16	31°	38'			
			17	28°	08'			
			18	24°	59'			7308624
			19	21°	55'			
			20	18°	42'			
				17	00			7308626



Profile Notes Red Plotted Job No. 8300.02 Division No. 11 F. B. 3791 Pg. 119
No. Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J. G. Date 3-21-67
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3791 PG. 120 | 0300.02 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed P. 1 CALL Date Date Date No.

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LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Inst. At 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.
738+27.2	N-77	9:50	21	47°	00'			

76-L-298 CE 307 2-63

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red____ Plotted____ Job No. 030042 Division No. 11 F.B. 3791 Pg. 121
No.____ X-Sec. Notes Date____ Chkd.____ Date____ Checked____ Survey of MALIBU AREA HYDRO
No.____ Date____ Date____ Survey by WILSON / DREIER Notes DREIER Date 3-24-67
Map No.____ Indexed C.J. GALLI Date____

STATION	B.S.	H.I.	F.S.	ELEV.	733+39 [illegible] N L.	R.
T.P.	7 94	16 35.		8 41.		
			11 8	4 6.	27 FT. LEFT, M.H.W.	
			7 64	8 71.	1X2 STK	
			35	12 9.		34 BK
			21	14 3.		37 TOP
			00	16 4.		54 BK
			60	22 4.		74 E. RD.
T.P.			9 66	6 69.		
T.P	0 48	9 19		8 71.	T.P. 1X2 STK	
			0 7	8 5.	733+39 [illegible] ON SAND	
			56	3 6.	37 FT. LEFT	
			83	0 9.	83 " "	
T.P.	3 19	4 72	7 66	1 53.	T.P. CUT GUN AT N-78 SIGHT ON N-77	
			56	- 0 9.	#1 13° 46'	
			70	- 2 3.	2 17 03	
			91	- 4 4.	3 19 00	
			101	- 5 4.	4 20 22	
			109	- 6 2.	5 22 03	
			104	- 5 7.	6 23 27	
			112	- 6 5.	7 25° 27'	

DATUM
MEAN LOWER LOW WATER

CONT.

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

F. B. 3791 Pg. 122 Job No. 0300.02 Division No. 11 Notes Red ____ Date ____ Plotted ____ Date ____ Profile No. ____ X-Sec. No. ____

Survey of MALIBU AREA HYDRO Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

Survey by DREIER Notes DREIER

Indexed C. L. GALL Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	733 +39 N L	R
					CONT.	
		4.72			CUT GUN AT N-78, SIGHT ON N-77	
			140	-9 3.	8 28° 00'	
			154	-10 7.	9 29 40	
			163	-11 6.	10 31° 45'	

765420A - CE 353A - Cdb 9-62

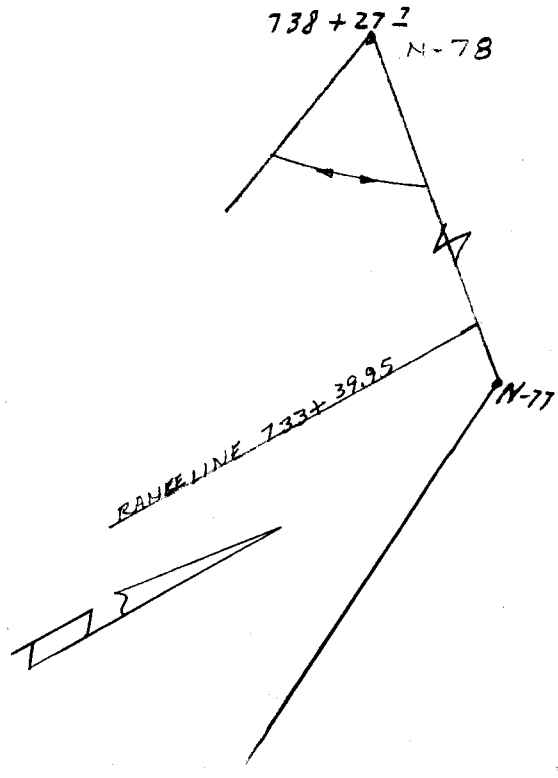
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 733+39.95

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					
738+27.1	N-77	10:08	1	67°	07'			
			2	66°	31'			
			3	65°	39'			7334012
			4	64°	39'			
			5	63°	30'			
			6	62°	21'			7334014
			7	60°	43'			
			8	58°	53'			
			9	57°	07'			7334016
			10	54°	33'			
			11	51°	47'			
			12	48°	23'			7334018
			13	45°	22'			
			14	42°	02'			
			15	38°	14'			7334020
			16	33°	40'			
			17	29°	06'			
			18	26°	18'			7334022
		10:13	19	24°	37'			
				00	00			
				00	00			7334024



Profile
Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3791 Pg. 123
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Noted T.G. Date 3-21-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3791 Pg. 124 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	735 + 98.9 N L	R
T.P.	596	12 65.		6 69.		
			8 0	4 6.	13 FT. L. M.H.W.	
			5 41	7 24.		1"X2" STK
			2 1	10 5.		26 BOTT WALL
			0 0	12 6.		27 TOP "
			7 0	19 6.		75 E. RD.
T.P.			3 61	9 04.		
T.P.	0 25	7 49.		7 24	T.P.	1X2 STK
			1 2	6 3.	735+98.9 ON SAND	
			2 9	4 6.	13 FT LEFT M.H.W.	
			6 0	1 5.	47	
			6 8	0 7.	75	
T.P.	2 73	3 88	6 34	1 15.	T.P. CUT GUN AT N-78 SIGHT ON N-77	
			1 69	-13 0.	#1 52° 55'	
			1 51	-11 2.	2 49 11	
			1 28	-8 9.	3 45 28	
			9 9	-6 0.	4 42 18	
			8 5	-4 6.	5 37 37	
			7 7	-3 8.	6 33 06	
			5 5	-1 6.	7 26 51	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 125
Date ____ Date ____ Survey of MALIBU AREA HYDRO.
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes DREIER Date 3-21-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

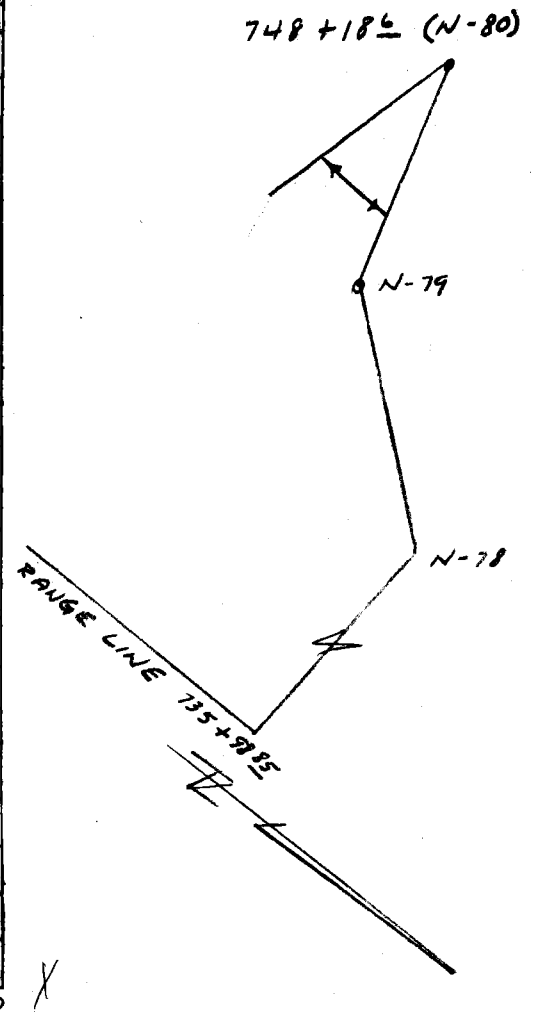
765420A - CE 353A - Cdb 9-62

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 735+98.85

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						
748+18±	N-79	10:40	1	55°	20'				
			2	54°	15'				
			3	52°	33'				7359916
			4	51°	00'				
			5	49°	21'				
			6	47°	01'				7359918
			7	44°	37'				
			8	42°	01'				
			9	39°	05'				7359920
			10	35°	30'				
			11	32°	09'				
			12	29°	32'				7359922
			13	25°	55'				
			14	22°	09'				
			15	19°	12'				7359924
			16	16°	40'				
			17	13°	47'				
			18	11°	38'				7359926
			19	09°	07'				
		10:45	20	06°	42'				
				00	00				7359930



Profile
No. X-Sec. No. Date
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Job No. 03000 2 Division No. 11
Survey of HYDROELECTRIC SURVEYS
Survey by RICHARDS Notes T.G. Date 3-21-67
Map No. Indexed C.J.GALLI Date
F. B. 3791 Pg. 127

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3791 Pg. 128 Job No. 8300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEYS Date Date X-Sec.

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

Indexed G. J. CALL Date Date Date

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only		
						Range Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			7359932
				52	55			
				49	11			
				45	28			7359944
				42	18			
				37	37			
				33	06			7359946
				26	51			
				00	00			
				00	00			7359948
				105	04			
				00	00			
				00	00			7359912
				00	00			
				00	00			
				00	00			7359914
				105	04			
				00	00			
				00	00			7359940

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. 738+56.7

STATION	B. S.	H. I.	F. S.	ELEV.	L	R
TP	565	1469.		904.		
			101	46.	24° MHT	
738+567			583	886.		1"X2" STK
			28	119.		320° HOUSE
			180	199.		73° E. RD.
TP			395	1074.		
T.P.	094	980		886	1X2 STK	
			17	81.	ON SAND	
			50	48.	23 FT LEFT	
			64	34.	38 FT LEFT	
			87	11.	72 " "	
T.P.	137	455	662	318.	T.P. GUN AT 743+56	SIGHT ON N-78
			62	-16.	1 15° 14'	
			77	-23.1	2 19 26	
			109	-63.	3 22 16	
			121	-75.	4 27 57	
			124	-78.	5 32 12	
			138	-92.	6 37 36	
			149	-103.	7 42 10	

DATUM
MEAN LOWER LOW WATER

Profile
Notes Red ____ Plotted ____ Job No. 330.02 Division No. 11
No. ____ Date ____ Date ____ Survey of MARINA DEL REY HYDRO.
X-Sec. ____ Notes Chkd ____ Checked ____ Survey by WILSON BREWER Notes BREWER Date 3-27-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

F.B. 3791 Pg. 129

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.

Profile No. ____ X-Sec. No. ____
Plotted ____ Date ____
Checked ____ Date ____
Notes Red ____ Date ____
Notes Chkd ____ Date ____
Job No. 830102 Division No. 11
Survey of MALIBU AREA HYDRO
Survey by WILSON & DREIER Notes WILSON & DREIER
Indexed C. J. GALLI Date ____

R-379 | Pg 30

STATION	B. S.	H. I.	F. S.	ELEV.	L	R
TP				10 74		STA 741+06 ?
	053	11 27			(SORRY ABOUT THIS)	
			67	4 6		20 MHT
			50	6 3		25
			181	14 4		26 TOP DECK
TP			273	854	SWIM PARTY T.P. -	END STEEL ROD IN WOOD STEP OPP. STA.
TP			507	620		
T.P.	079	933		8 54		
			32	6 1		25 FT RT BASE OF HOUSE WALL
741+06 ?			49	4 4	CONTROL LINE	
NOTE! THIS OUT OF ORDER RANGE			47	46		3 FT RT. M.H.W.
			68	25	22 FT LEFT	
			89	04	51 " "	
T.P.	306	4 40	799	1 34	GUN AT 743+56 ?	(TO E) SIGHT ON N-78
			149	-10 5	#1 52° 40'	
			160	-11 6	2 46 48	
			112	- 6 8	3 41 37	
			101	- 5 7	4 39 29	
			103	- 5 9	5 34 34	
			87	- 4 3	6 27 29	
			66	- 2 2	7 22 29	
					16 16	TO PG. 133

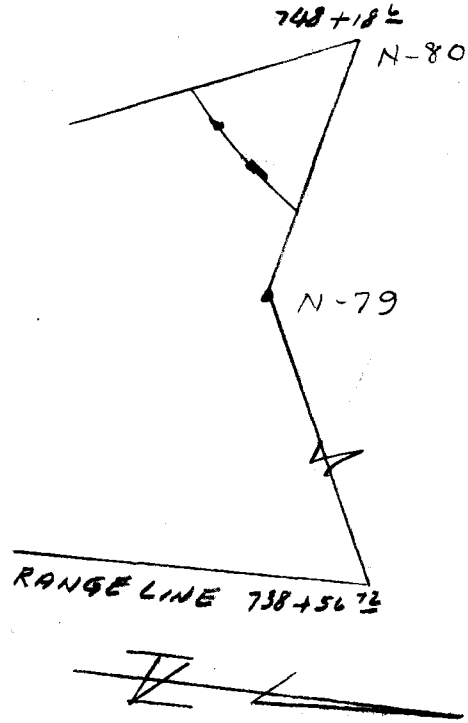
765420A - CE 353A - [illegible] 9-62

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 738+56.72

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					
748-18 ℄	N-79	11:00	1	60°	13'			
			2	59°	00'			
			3	57°	50'			7385714
			4	56°	18'			
			5	55°	00'			
			6	53°	09'			7385716
			7	51°	08'			
			8	49°	06'			
			9	46°	38'			7385718
			10	44°	01'			
			11	40°	09'			
			12	34°	53'			7385720
			13	29°	50'			
			14	24°	31'			
			15	21°	16'			7385722
			16	18°	34'			
			17	15°	55'			
			18	13°	27'			7385724
		11:04	19	12°	00'			
				00	00			
				00	00			7385726



Profile Notes Red. Plotted Job No. 8300.07 Division No. 11 F. B. 3791 Pg. 131
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes by T.J. Date 3-21-67
No. Date Date Map No. Indexed C.J. Date

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				00	00			
				00	00			
				00	00			7385728
				89	32			
				00	00			
				00	00			7385710
				00	00			
				00	00			
				00	00			7385712
				89	32			
				00	00			
				00	00			7385736
				00	00			
				00	00			
				00	00			7385738
				42	10			
				37	36			
				32	12			7385740
				27	57			
				22	16			
				19	26			7385742

to Pg 127A

F. B. 3791 PG. 132 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

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

Indexed Date Date No.

765420A - CE 353A - Cdb 9-62

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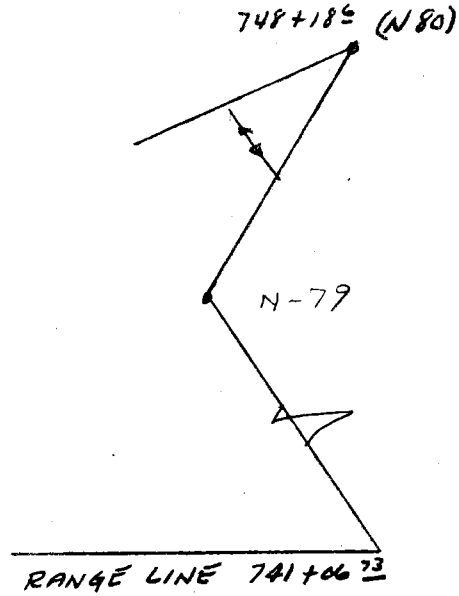
726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Min.	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
748+18±	N-79	11:20	1	63°	52'				
			2	62°	38'				
			3	61°	06'				7410714
			4	60°	17'				
			5	58°	55'				
			6	57°	18'				7410716
			7	55°	34'				
			8	53°	34'				
			9	50°	55'				7410718
			10	47°	40'				
			11	43°	54'				
			12	39°	35'				7410720
			13	34°	39'				
			14	29°	59'				
			15	26°	50'				7410722
			16	22°	10'				
			17	17°	33'				
		11:24	18	15°	13'				7410724
				00	00				
				00	00				
				00	00				7410726

RANGE LINE 741+06.73



Profile Notes Red. Plotted Job No. 230202 Division No. 11 F. B. 779 Pg. 35
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes T.G. Date 3-21-67
No. Date Date Map No. Indexed E.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.

F. B. 3791 Pg. 136 Job No. 030002 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEYS Date Date No. Profile

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

Indexed C. J. GALL Date Date Date No.

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					
				89	32			
				00	00			
				00	00			7410710
				00	00			
				00	00			
				00	00			7410712
				89	32			
				00	00			
				00	00			7410734
				00	00			
				00	00			
				00	00			7410736
				52	40			
				46	48			
				41	37			7410738
				39	29			
				34	34			
				27	50			7410740
				22	29			
				16	16			
				00	00			7410742

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.	L	R
TP				620.		
	648	1268.				
			81	46.	15° MHT	
743+56.7			573	695		1"X2" STK
			49	78.		11° BK
			28	99.		45° BOTT BK
			714°	239.		72° E. RD.
TP			589	679.		
T.P	123	818.		695.	1X2	
			16	66.	ON SAND	℄
			44	38.	13 FT LEFT	HIGH WATER
			61	21.	36 " "	BEGIN ROCKS
			79	03.	67 " "	
T.P	412	565.	665	153.	T.P. GUN AT 741+06.73 SIGHT ON N-80	
			73	-17.	1 23° 04'	
			85	-29.	2 32 33	
			105	-49.	3 35 43	
			126	-70.	4 43 14	
			139	-83.	5 48 50	
			142	-86.	6 52 48	
			150	-94.	7 52 02	

DATUM
MEAN LOWER LOW WATER

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 137
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of MALIBU AREA HYDRO. Survey by WILSON DREIER Notes WILSON DREIER Date 3-26-67
Map No. ____ Indexed ____ C. J. GALLI Date ____

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	L	R
TP				6 79.		
	8 35	15 14.				
TBM			008	15 06.	EL = 15.05' PER PG.*	
			105	4 6.	20° MHT	
746+08.6			7 77	7 37.	1"X2"	STK
			4 7	10 4.		19° TOP
			3 2	11 9.		32° BK
			3 0	12 1.		56° BOTT WALL
			↑10°	22 1.		70° E. RD.
TP			8 74	6 40.		
	0 82	8 19.		7 37.		
			1 0	7 2.	SAND	℄
			3 4	4 8.	18 FT LEFT	HIGH WATER
			6 1	2 1.	41	
T.P.	1 44	4 53	5 10	3 09.	T.P. GUN AT N-8°	SIGHT ON 746+08.6
			15 5	-11 0.	#1 50° 55'	
			12 5	-8 0.	2 47 59	
			12 1	-7 6.	3 44 20	
			10 7	-6 2.	4 39 55	
			9 8	-5 3.	5 34 36	
			7 3	-2 8.	6 30 25	
			5 5	-1 0.	7 24 20	

F.B. 379 Pg. 38
Job No. 0300.02 Division No. Notes Red. Plotted No. Profile
Survey of MALIBU AREA HYDRO Date Date X-Sec.
Survey by WILSON & DREIER Notes WILSON & DREIER Notes Chkd. Checked No.
Indexed D. A. GALLI Date Date Date

76S420A - CE 353A - Cdb 9-62

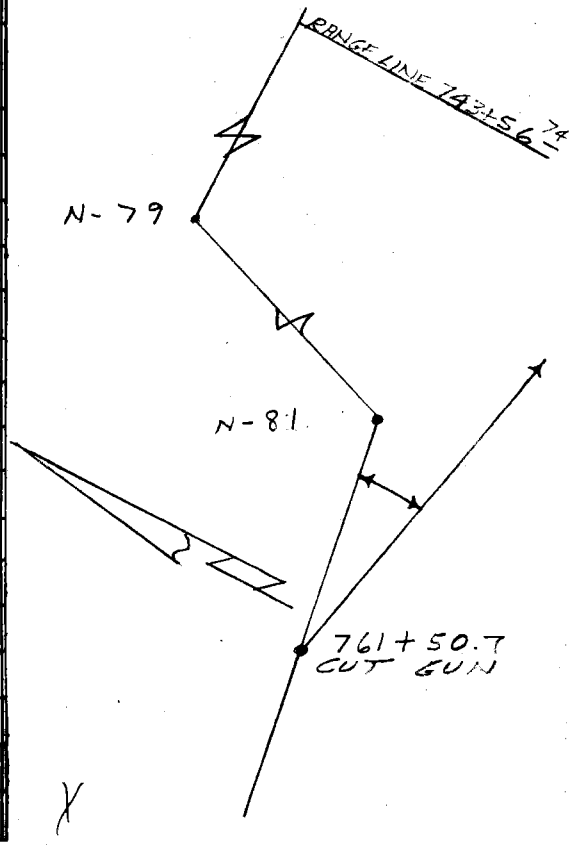
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 743+56.74

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					
761+50.7	N-81	11:59	1	50°	56'			
			2	49°	16'			
			3	47°	37'			7435716
			4	45°	50'			
			5	43°	50'			
			6	41°	20'			7435718
			7	38°	11'			
			8	35°	10'			
			9	31°	25'			7435720
			10	28°	39'			
			11	25°	15'			
			12	22°	09'			7435722
			13	16°	15'			
			14	14°	12'			
			15	11°	52'			7435724
			16	09°	46'			
			17	07°	24'			
			18	04°	47'			7435726
			19	02°	12'			
		12:04	20	01°	35'			
				00	00			7435728



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 139
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes T.G. Date 3-21-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GAIN 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. 3791 Pg. 140 Job No. 83002 Division No. 11 Notes Red. Date Plotted Date No.

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

Survey by RICHARDS Notes J. G. Date Profile

Indexed C. J. GALL

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					
				60	00			
				00	00			
				00	00			7435730
				89	32			
				00	00			
				00	00			7435712
				00	00			
				00	00			
				00	00			7435714
				52	02			
				52	48			
				48	50			7435742
				43	14			
				35	43			
				32	33			7435744
				23	04			
				00	00			
				00	00			7435746
				00	00			
				00	00			
				00	00			7435748

76S420A - CE 353A - Cdb 9-62

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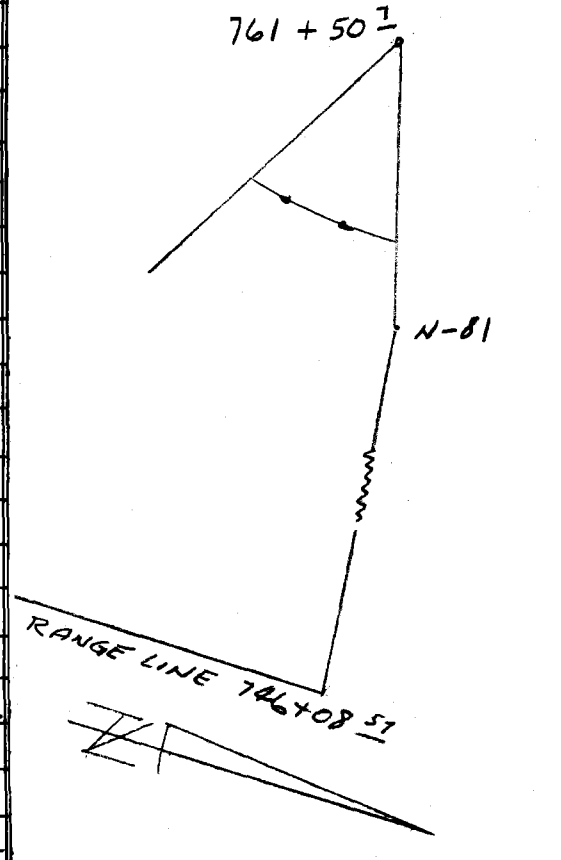
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 746+08.57

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					
761+50?	N-81	12:15	1	47°	21'			
			2	45°	02'			
			3	42°	30'			7460914
			4	39°	47'			
			5	37°	20'			
			6	34°	23'			7460916
			7	30°	02'			
			8	26°	21'			
			9	22°	37'			7460918
			10	17°	48'			
			11	12°	11'			
			12	09°	02'			7460920
			13	06°	35'			
			14	04°	45'			
			15	02°	51'			7460922
		12:19	16	01°	30'			
				00	00			
				00	00			7460924
				00	00			
				00	00			
				00	00			7460926



Profile Notes Red. Plotted Job No. 330072 Division No. 11 F.B. 3791 Pg. 43
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-21-67
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					
				100	05			
				00	00			
				00	00			7460910
				00	00			
				00	00			
				00	00			7460912
				100	05			
				00	00			
				00	00			7460934
				00	00			
				00	00			
				00	00			7460936
				50	55			
				47	59			
				44	20			7460938
				39	55			
				34	36			
				30	25			7460940
				24	20			
				00	00			
				00	00			7460942

F. B. 3791 PG 144 Job No. 0300,02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	L	R
TP				640.		
	563	12 03				
			74	46.	90' MHT	
748+64.6			653	550.		1"X2" STK
			28	92.		18° BOTT
			13	107.		21° TOP
			05	115.		54° BK
			718	133.		61° BOTT WALL
			780	213		63° E. RD.
TP			541	662.		
TIP	066	6 16		550.	1X2	
			03	59.	SAND	℄
			14	48.	7 FT LEFT	
			33	29.	24"	
			70	-08.	# GUN AT	793+96' SIGHT ON N-80
			85	-23.	1 8° 33'	
			110	-48.	2 14 36	
			155	-83.	3 22 06	
			152	-80.	4 32 34	
				-90.	5 38 40	
			179	-117.	6 44 28	

DATUM
MEAN LOWER LOW WATER

EST. 0.2 FT OVER 17 RD.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 PG. 145
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-21-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76L298 307 10-51

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

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

Do not extend notes this side of this line.

F.B. 3791 Pg 44 Job No. 3300.02 Division No. 11 Notes Red. Plotted Profile No.
Survey of MALIBU AREA HYDRO. Date Date X-Sec. No.
Survey by WILSON & DREIER Notes WILSON & DREIER Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	L	R
TP				662.		
	328	990.				
751+303			565	425.		1"X2" STK
			53	46.		50 MHT
			41	58.		130 B. Sea Wall
			134	92.		110 Top " "
			40	59.		160 Bott. " "
			25	74.		350 BRK "
			115	89.		470 Bott Slope
			1140	229.		600 TOP "
TP						
			351	639.		
TIP	123	548		425.	1X2 FLUSH	
			153	-98. 1	65° 55'	E
			143	-88. 2	55 35	CUT GUN AT 753+96
			110	-55. 3	43 13	SIGHT ON N-80
			98	-43. 4	33 00	
			73	-1.8 -28x 5	23 55	
			69	-14. 6	18 07	
			47	08.	32 FT LEFT	
			32	23.	17 " "	
			52	43.	0	0

76S420A - CE 353A - Cdb 9-62

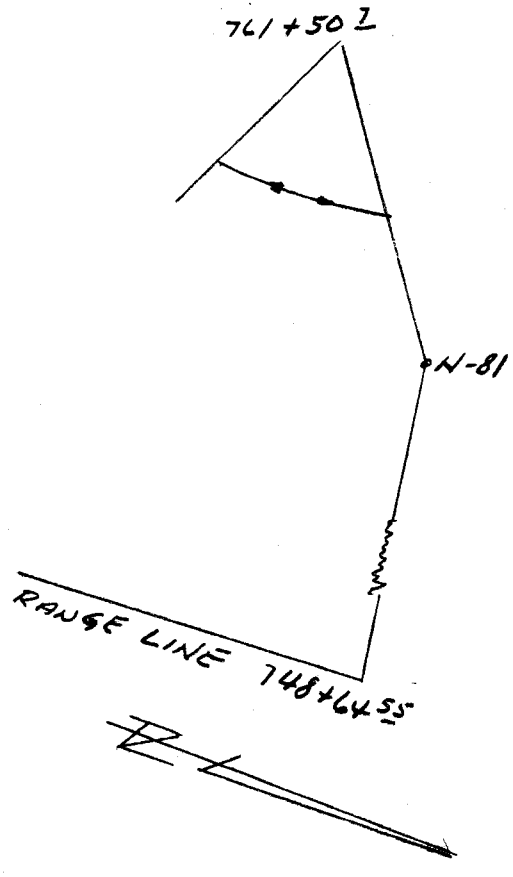
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
761+50 7	N-81	12:33	1	58°	35'			
			2	56°	27'			
			3	55°	05'			
			4	53°	23'			
			5	51°	38'			
			6	49°	14'			
			7	46°	12'			
			8	43°	22'			
			9	39°	28'			
			10	35°	04'			
			11	30°	47'			
			12	25°	12'			
			13	22°	43'			
			14	19°	43'			
			15	16°	41'			
			16	14°	25'			
			17	11°	54'			
	DISC.		18	09°	20'			
			19	07°	02'			
			20	05°	01'			

RANGE LINE 748+64.55



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3791 Pg. 147
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J. G. Date 3-21-67
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3791 PG 148 Job No. 03007 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Deg.	Range Min.	Line	Card No.
761+50	N-81	12:38	21	02°	59'				

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					
				58	35			
				56	27			
				55	05			7486514
				53	23			
				51	38			
				49	14			7486516
				46	12			
				43	22			
				39	28			7486518
				35	04			
				30	47			
				25	12			7486520
				22	43			
				19	43			
				16	41			7486522
				14	25			
				11	54			
				09	20			7486524
				07	02			
				05	01			
				02	59			7486526

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. 3791 PG. 157A

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				00	00			
				00	00			
				00	00			7486528
				70	09			
				00	00			
				00	00			7486510
				00	00			
				00	00			
				00	00			7486512
				70	09			
				00	00			
				00	00			7486536
				00	00			
				00	00			
				00	00			7486538
				44	28			
				38	40			
				32	34			7486540
				22	06			
				14	36			
				08	33			7486542

F. B. 3791 PG. 152 A Job No. Division No. Notes Red. Plotted Profile

Survey of Date No. X-Sec.

Survey by Notes Chkd. Checked

Indexed Date Date No.

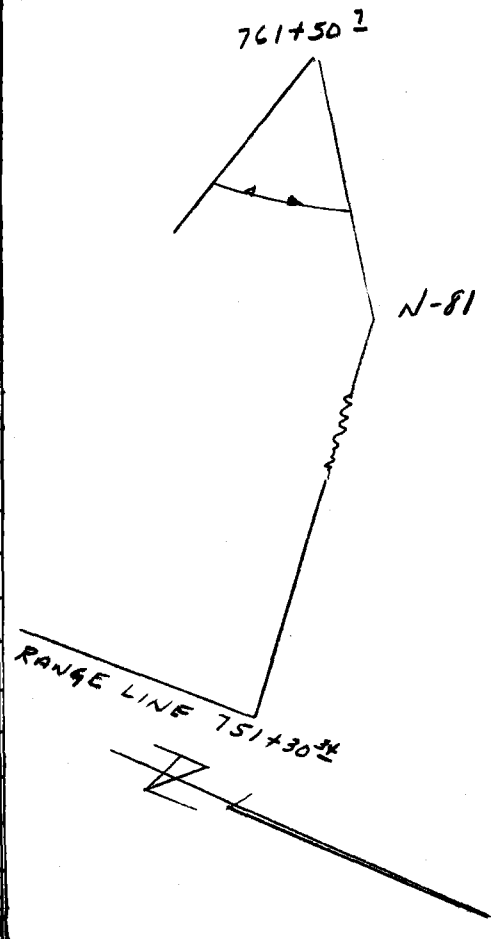
765420A • CE 353A • Cdb 9-62

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

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

Do not extend notes this side of this line. RANGE LINE 751+30.34

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					
761+50	N-81	12:50	1	61°	10'			
			2	59°	26'			
			3	57°	23'			7513014
			4	55°	37'			
			5	53°	40'			
			6	50°	24'			7513016
			7	46°	54'			
			8	43°	42'			
			9	39°	05'			7513018
			10	34°	08'			
			11	27°	31'			
			12	24°	00'			7513020
			13	21°	21'			
			14	17°	52'			
			15	14°	09'			7513022
			16	11°	52'			
			17	10°	38'			
			18	08°	53'			7513024
		12:54	19	06°	51'			
				00	00			
				00	00			7513026



Profile Notes Red. Plotted. Job No. 030007 Division No. 11 F. B. 3791 Pg. 151
No. Date. Date. Survey of HYDROGEOLOGIC SURVEYS
X-Sec. Notes Chkd. Checked. Survey by RICHARDS Notes T. G. Date 3-21-67
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. 3791 Pg. 152 Job No. R300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

Profile

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				00	00			
				00	00			
				00	00			7513028
				70	09			
				00	00			
				00	00			7513010
				00	00			
				00	00			
				00	00			7513012
				70	09			
				00	00			
				00	00			7513036
				00	00			
				00	00			
				00	00			7513038
				63	55			
				55	35			
				43	13			7513040
				33	00			
				23	55			
				18	07			7513042

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.	L	R
TP				639.		
	735	1374.				
			91	46.	130 MHT	
753+96'			754	620.		1"X2" STK
			60	77.		110 BOTT ROCK
			716	93.		120
		+16 TO HI=		143.		330 TOP WING WALL
			41	96.		630 BOTT " "
			54	83.		@330 L&E 90 BOTT WALL
TBM #3			700	674.	EL=6.62 N-81 PER PG 160	
						F.B. 3795
	031	651.		620.	1 X 2	
			17	48.	11 FT LEFT	HIGH WATER
			44	21.	34 FT. LEFT	
			56	09.	50 FT LEFT	
			70	-05.	#1 14° 04' GUNAT 751+30	SIGHT ON N-81
			84	-19.	2 19° 55	
			98	-33.	3 25 40	
			140	-75.	4 30 40	
			156	-91.	5 37 18	
			18+	-115.	6 42 03	EST. 1 FT. OVER 17 FT RED

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. ____ F.B. 3791 Pg. 15
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-21-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

765420A - CE 353A - Cdb 9-62

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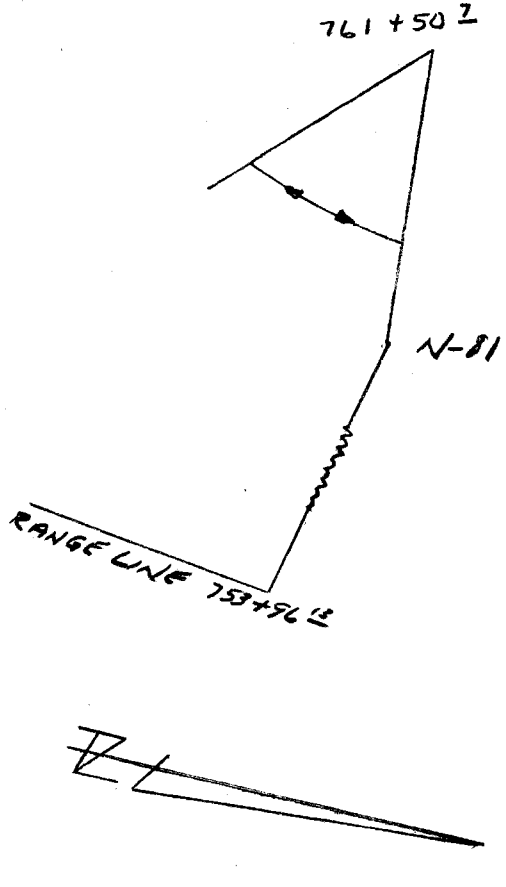
726 Los Angeles County Engineering Bldg.

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 753+96.13

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					
761+50 ℄	N-81	1:03	1	68°	34'			
			2	66°	45'			
			3	65°	35'			7539614
			4	64°	12'			
			5	61°	54'			
			6	59°	09'			7539616
			7	56°	15'			
			8	52°	19'			
			9	47°	53'			7539618
			10	42°	23'			
			11	40°	45'			
			12	37°	25'			7539620
			13	31°	47'			
			14	27°	04'			
			15	23°	00'			7539622
			16	18°	06'			
		1:07	17	15°	59'			
				00	00			7539624
				00	00			
				00	00			
				00	00			7539626



Profile Notes Red. Plotted Job No. 2300.02 Division No. 11 F.B. 3791 Pg. 155
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-21-67
No. Date Date Map No. Indexed C.J. GALLI 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.

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					
				70	09			
				00	00			
				00	00			7539610
				00	00			
				00	00			
				00	00			7539612
				42	03			
				37	18			
				30	40			7539634
				25	40			
				19	55			
				14	04			7539636
				00	00			
				00	00			
				00	00			7539638
				109	51			
				00	00			
				00	00			7539640
				00	00			
				00	00			
				00	00			7539642

F. B. 3791 Pg. 156 Job No. 030902 Division No. 11 Notes Red. Plotted Profile

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

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

Indexed Date Date No.

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY	F. B. 3791 PG. 157
Map No.	JN 0300.02 Tape Std °F	
Office Work	Surveyed by RICHARDS	
Checked	Notes UHARRIET Date 3-22-67	
Date	Indexed C. J. GALLI	

TIDE GAGE READINGS
MAR. 22, 1967
TIME — P.S.T.
DATUM — M.L.L.W.

TIME	TIDE
6:00	5.1
6:30	5.1
7:00	4.8
7:30	4.4
8:00	4.0
8:30	3.4
9:00	2.8
9:30	2.0
10:00	1.3
10:30	0.7
11:00	0.2
11:30	-0.4
12:00	-0.7
12:30	-1.0
13:00	-1.1
13:30	-1.0
14:00	-0.9

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.

F6F309S CE#310 1-65

F. B. 3791 PG 158

Tide Readings 3-22-67

PLEASE RETURN TO
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403 Los Angeles County Engineering Bldg.

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

76S420A - CE 353A - Cdb 9-62

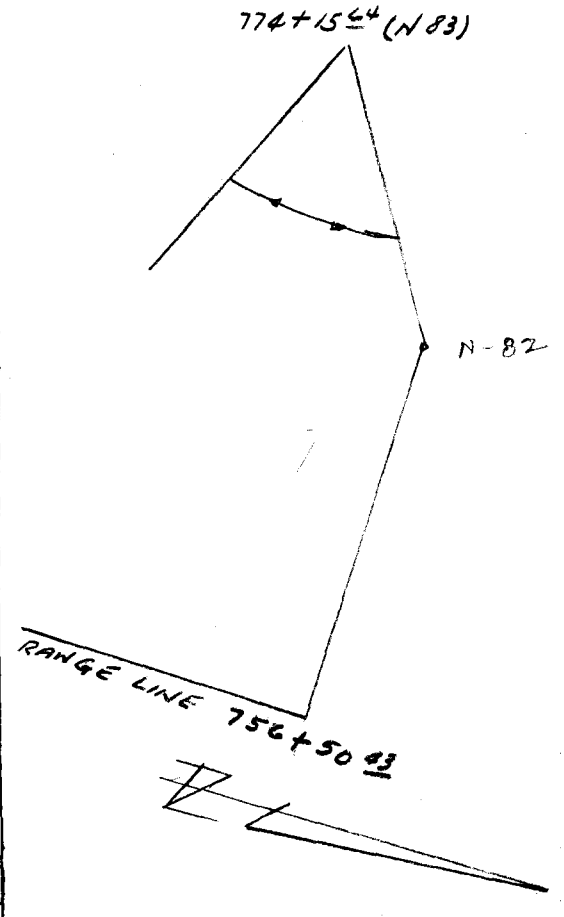
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RANGE LINE 756+ 50.43

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					
774+15.64	N-82	7:40	1	48°	57'			
			2	46°	31'			
			3	43°	26'			7565012
			4	40°	21'			
			5	36°	50'			
			6	32°	35'			7565014
			7	29°	30'			
			8	25°	02'			
			9	20°	43'			7565016
			10	18°	16'			
			11	16°	47'			
			12	14°	10'			7565018
			13	11°	21'			
			14	08°	30'			
		7:44	15	05°	32'			7565020
				00	00			
				00	00			
				00	00			7565022
				91	49			
				00	00			
				00	00			7565009



X

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 161
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J. G. Date 3-22-67
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.

F. B. 3791 Pg. 162 Job No. 03002 Division No. 11 Notes Red. Date Notes Chkd. Date

Survey of HYDROGRAPHIC SURVEYS 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.	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			7565010
				91	49			
				00	00			
				00	00			7565030
				00	00			
				00	00			
				00	00			7565032
				30	15			
				26	55			
				24	06			7565034
				19	56			
				14	21			
				09	38			7565036
				03	14			
				00	00			
				00	00			7565038
				00	00			
				00	00			
				00	00			7565040

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. 0300.02 Division No. 11
No. Date Date Survey of MALIBU AREA HYDRO. F.B. 3791
X-Sec. Notes Chkd. Checked Survey by WILSON DREIER Notes WILSON Date 3-22-67 Pg. 163
No. Date Date Map No. Indexed C.J. CALL Date

STATION	B. S.	H. I.	F. S.	ELEV.	759+00 55 L	R
TBM				6 62	N-81	
	733	13 95				
STA 759+00			720	675	759+00	1X2
			44	96		43 - BK
			27	113		49 - TOP
			16	124		66 - BOT BK
			710°	224		77 - TOP BK CRD
TP			348	1047		
759+00 TP	012	687		675	CUT GUN AT N	82 SIGHT ON N-81
			183	-114	1 47° 29'	EST. ROD
			177	-108	2 43 38	" "
			136	-67	3 38 06	
			114	-45	4 32 18	
			110	-41	5 29 54	DATUM
			95	-26	6 24 36	MEAN LOWER LOW WATER
			67	02	7 18 54	
			60	08	8 12 56	
			35	34	9 6 18	
			23	46	17 FT LEFT M.H.W.	

76S420A - CE 353A - Cdb 9-62

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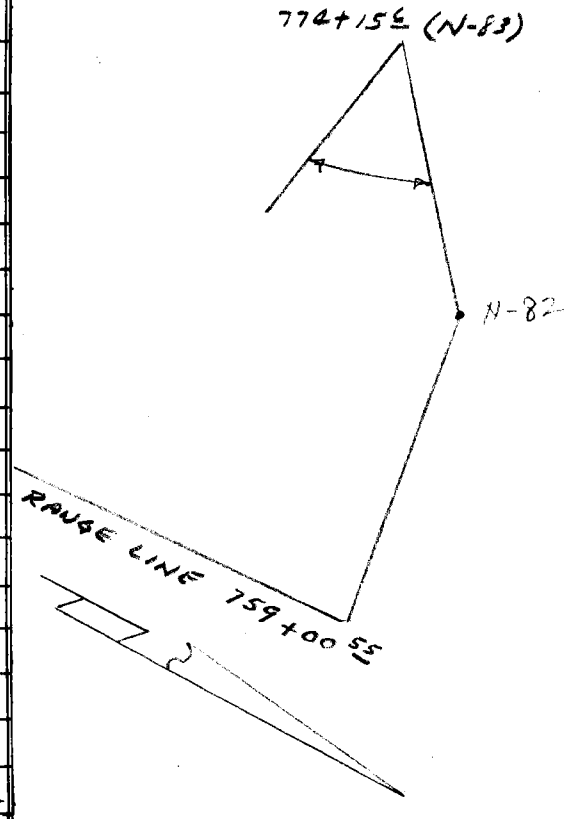
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 759+00.55

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					
774+15℄	N-82	7:57	1	53°	34'			
			2	51°	44'			
			3	49°	47'			7590014
			4	47°	30'			
			5	45°	14'			
			6	42°	11'			7590016
			7	38°	35'			
			8	34°	05'			
			9	30°	37'			7590018
			10	26°	31'			
			11	22°	14'			
			12	19°	33'			7590020
			13	17°	40'			
			14	15°	17'			
			15	12°	02'			7590022
			16	09°	38'			
			17	07°	09'			
		8:02	18	06°	30'			7590024
				00	00			
				00	00			
				00	00			7590026



Profile Notes Red. Plotted Job No. 03000.02 Division No. 11 F. B. 3791 Pg. 165
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-22-67
No. Date Date Map No. Indexed J.J. Call 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. 3791 Pg. 146 Job No. 8300.02 Division No. // Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEYS Date No. Profile

Survey by RICHARDS Notes J. G. Date 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					
				91	49			
				00	00			
				00	00			7590010
				00	00			
				00	00			
				00	00			7590012
				91	49			
				00	00			
				00	00			7590034
				00	00			
				00	00			
				00	00			7590036
				47	29			
				43	38			
				38	06			7590038
				32	18			
				29	54			
				24	36			7590040
				18	54			
				12	56			
				06	18			7590042

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.	761+50 67 L	R
TP				10 47.		
	5 40	15 87.				
			5 7	10 2.	40-TOP CONC WALL	
			4 90	1 2.	40L-2°E BOTT "	
			9 1	6 8.	40L-2°W BOTT "	
			11 3	4 6.	76L-MHT NO SIDE WALL	
			11 3	4 6.	7 RT MHT SO. " "	
			3 9	12 0.	5-	
		Above HI	9 78	23 7.		21-TOP BANK
TP			11 03	485 4	TOP ROCK - SWIM RT	
TP			5 53	1034		
T.P.	0 11	4 96		485 4	T.P. CUT GUN ON 759+00 5	SIGHT ON N-82
			0 4	4 6.		6 FT RT. M.H.W.
			3 5	1 5.	20 FT LEFT	
			4 4	0 6.	50 FT LEFT	
			5 0	0 0.	#1 19° 12'	GUN AT 759+00 6, SIGHT ON N82
			7 0	- 2 0.	2 26 45	
			11 1	- 6 1.	3 39 04	
			11 4	- 6 4.	4 47 07	
			15 4	- 10 4.	5 51 29	~~CONT NEXT~~
			16 2	- 11. 0	6 54 12	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 167
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-22-67
Date ____ Date ____ Map No. ____ Indexed J. GAUTT Date ____

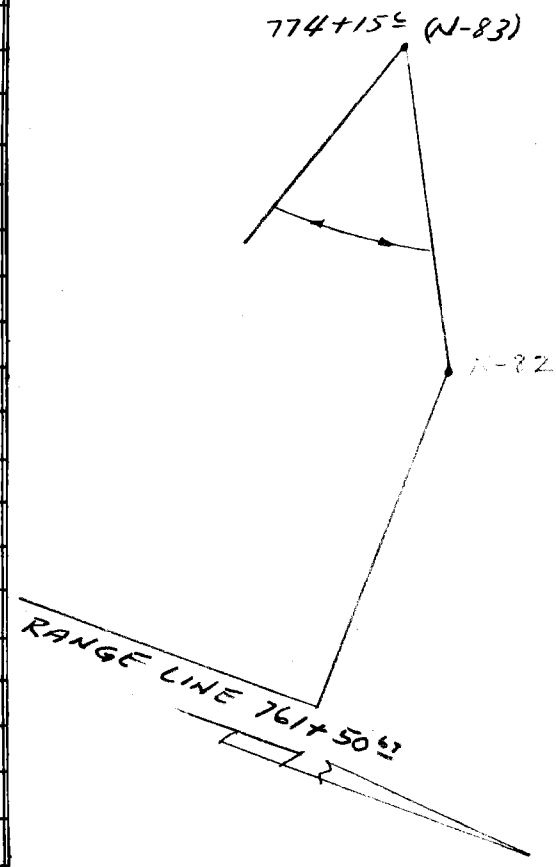
76S420A - CE 353A - Cdb 9-62

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 761+50.67

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					
774+15.6	N-82	8:19	1	59°	48'			
			2	57°	55'			
			3	55°	54'			7615014
			4	54°	16'			
			5	51°	54'			
			6	49°	42'			7615016
			7	46°	38'			
			8	43°	55'			
			9	39°	41'			7615018
			10	35°	26'			
			11	30°	50'			
			12	26°	48'			7615020
			13	22°	37'			
			14	20°	43'			
			15	18°	05'			7615022
			16	15°	22'			
			17	11°	40'			
			18	08°	50'			7615024
		8:25	19	06°	58'			
				00	00			
				00	00			7615026



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 030002 Division No. 11 F. B. 3791 Pg. 169
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-22-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3791 Pg 170 Job No. 030002 Division No. 11 Notes Red. Plotted Profile
Survey of HYDROGRAPHIC SURVEYS Date Date No. X-Sec.
Survey by RICHARDS Notes T.G. Notes Chkd. Checked
Indexed Date Date Date No.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			7615028
				91	49			
				00	00			
				00	00			7615010
				00	00			
				00	00			
				00	00			7615012
				54	12			
				51	29			
				47	07			7615036
				39	04			
				26	45			
				19	12			7615038
				00	00			
				00	00			
				00	00			7615040
				88	11			
				00	00			
				00	00			7615042

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.	764+00.78 L	R
TP				10 34.		
	5 11	15 45				
SWIM TP			10 18	5 27.	42°-1X2 SWIM TP	
STA			4 60	10 85.	764+00.78 1"X2" STK	
			3 1	12 4		11°- BOTT BANK
			↑130	25 4.	?	24°- TOP BANK
			↑130	25 4.	?	61°- E.RD
TP			7 39	8 06		
764+00.8	0 06	5 33		5 27.	TP CUT GUN AT N-82 SIGHT ON 764+00.8	
			17 0	-11 7.	#1 54° 19'	
			14 0	-8 7.	2 47 59	
			11 3	-6 0.	3 42 40	
			9 1	-3 8.	4 34 44	
			6 6	-1 3.	5 27 49	
			5 7	-0 4.	6 22 16	
			2 3	3 0.	20 FT LEFT	
			0 5	4 8.	3 FT " MEAN HI WATER	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 11 F.B. 3791 Pg. 171
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-22-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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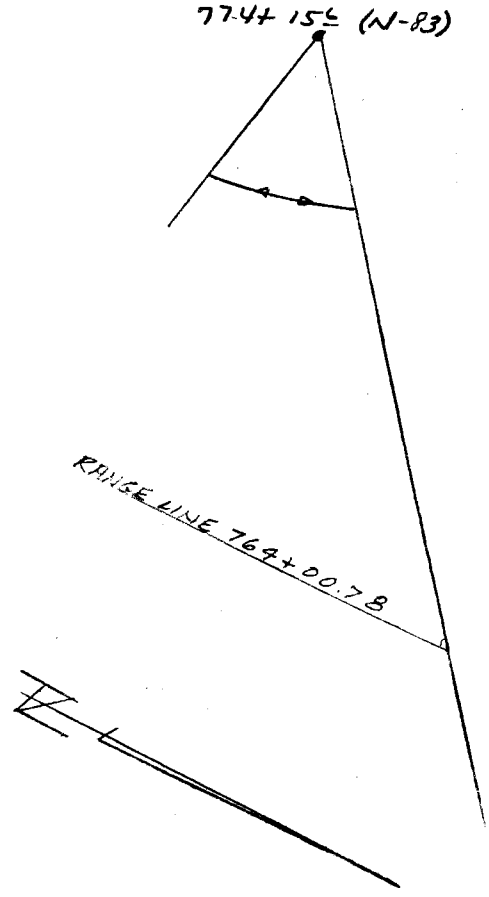
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RANGE LINE 764+00.78

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					
774+15℄	N-82	8:34	1	66°	36'			
			2	64°	48'			
			3	62°	12'			7640012
			4	60°	18'			
			5	57°	57'			
			6	55°	38'			7640014
			7	52°	38'			
			8	49°	19'			
			9	44°	42'			7640016
			10	40°	53'			
			11	35°	10'			
			12	30°	19'			7640018
			13	27°	37'			
			14	24°	02'			
			15	20°	30'			7640020
			16	16°	55'			
			17	13°	04'			
			18	08°	44'			7640022
		8:39	19	07°	21'			
				00	00			
				00	00			7640024 X



Profile Notes Red. ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3791 Pg. 173
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-22-67
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.

F. B. 3791 PG. 174 Job No. 030092 Division No. // Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed Date Date Date

Profile

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.
				00	00			
				00	00			
				00	00			7640026
				88	17			
				00	00			
				00	00			7640008
				00	00			
				00	00			
				00	00			7640010
				54	19			
				47	59			
				42	40			7640034
				34	44			
				27	49			
				22	16			7640036
				00	00			
				00	00			
				00	00			7640038
				91	43			
				00	00			
				00	00			7640040

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 Notes Red. Plotted Job No. 030102 Division No. 11 F.B. 3791 Pg. 136
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO.
No. Notes Chkd. Checked Survey by DREIER Notes DREIER Date 3-22-67
Date Date Map No. Indexed C.J. GILL Date

STATION	B. S.	H. I.	F. S.	ELEV.	766+50.89 L	R
TP				806.		
	597	1403.				
TP			917	486.	12° 1"X2" STAKE TP	
STA			78	62.		&
			33	107.		21° BOTT BANK
			N56	296 ?		36° TOP "
			N56	296 ?		58° E. RD.
TP			717	686.		
766+50.89	086	572.		486		
			11	46	GUN AT N-82 SIGHT 766+50.89	2 FT RIGHT M.H.W.
			3.8	19.	#1 3° 56	
			6.5	-08.	2 8 37	
			8.0	-23.	3 13 04	
			10.0	-43.	4 17 30	
			12.0	-63.	5 21 09	DATUM
			13.0	-73.	6 24 54	MEAN LOWER LOW WATER
			14.5	-88.	7 27 07	

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.	756+50 43 L	R
TBM				6 62	N-81 = 754+66.91	See Pg. 160, F.B. 3795
	7 33	13 95				
STA 754+66 91			8 80	5 15	754+66 91 1"X2" (FLUSH)	
			3 7	10 3		36° TOP
			1 9	12 1		70° BOTT
			↑25	14 6		75° TOP
			↑25	14 6		86° BOTT BANK
	from 70° R		↑12°	26 1		100° TOP @ RD
T.P.	1 36	6 51		5 15	CUT GUN AT N 82	SIGHT ON N-81
			4 5	20	#1 3° 14'	
			7 0	-05	2 9 38	
			10 0	-35	3 14 21	
			12 7	-62	4 19 56	
			14 3	-78	5 24 06	
			15 7	-92	6 26 55	
			16 5	-100	7 30 15	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 159
Date ____ Date ____ Survey of MALIBU AREA HYDROGRAPHIC
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-28-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

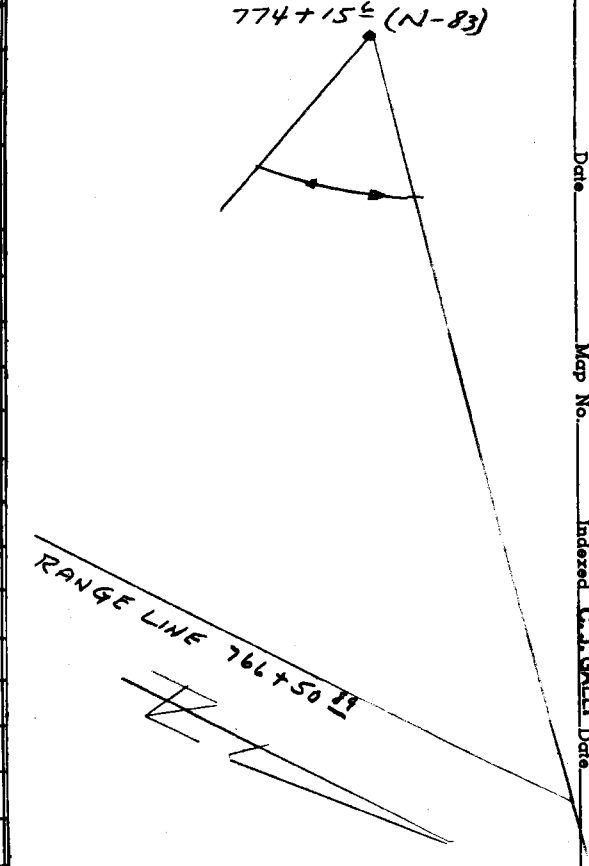
765420A - CE 353A - Cdb 9-62

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 766+50.89

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					
774+15℄	N-82	8:52	1	72°	45'			
			2	71°	30'			
			3	70°	04'			7765012
			4	68°	19'			
			5	66°	35'			
			6	64°	44'			7765014
			7	62°	31'			
			8	59°	43'			
			9	55°	50'			7765016
			10	52°	15'			
			11	47°	33'			
			12	41°	45'			7765018
			13	35°	08'			
			14	26°	29'			
			15	22°	30'			7765020
			16	17°	16'			
			17	12°	50'			
		8:57	18	09°	08'			7765022
				00	00			
				00	00			
				00	00			7765024



X

Profile Notes Red. Plotted Job No. 8300.02 Division No. 11 F. B. 3791 Pg. 77
No. Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes T.G. Date 3-22-67
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.

F. B. 3791 Pg. 178 | Job No. 030002 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEYS Date Date X-Sec.

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

Indexed Date Date Date

Profile

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.
				00	00			
				00	00			
				00	00			7665026
				88	17			
				00	00			
				00	00			7665008
				00	00			
				00	00			
				00	00			7665010
				27	07			
				24	54			
				21	09			7665034
				17	30			
				13	04			
				08	37			7665036
				03	56			
				00	00			
				00	00			7665038
				00	00			
				00	00			
				00	00			7665042

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. Q30002 Division No. 11
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO WILSON
Notes Chkd. Checked Survey by DREIER Notes DREIER Date 3-22-67
No. Date Date Map No. Indexed C. T. GALLT Date

F.B. 3791 Pg. 179

STATION	B. S.	H. I.	F. S.	ELEV.	769+01.00 ℄	R
TP	537	1223.		686.		
STA			925	298.	769+01 ℄	1"X2" STK
			31	91.		41℄ - BOTT BK
			A196	287.		60℄ - TOP BK
TP			339	884.		
769+01.00	148	438		298.	T.P. 1X2 ℄ GUN	AT N-82 SIGHT ON N83
			138	-94.	1 19° 45	
			141	-97.	2 15 55	
			110	-66.	3 13 17	
			90	-46.	4 10 18	
			77	-33.	5 8 16	
			58	-14.	6 5 08	
			50	-06.	7 3 19	
			25	19.	9FT LEFT	
		+	02	46.	~~15 FT~~	14 FT RT MEAN HI. W.

DATUM
MEAN LOWER LOW WATER

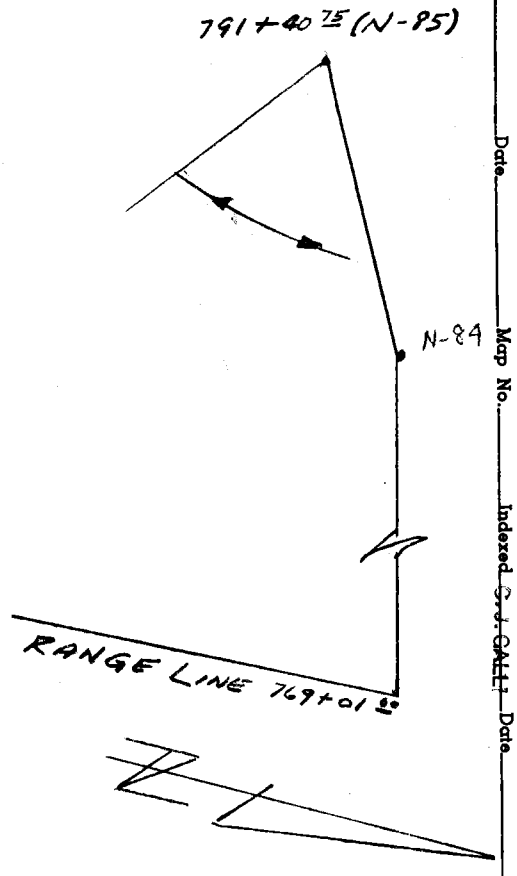
765420A - CE 353A - Cdb 9-62

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 769+01.00

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					
791+40.75	N-84	9:47	1	68°	27'			
			2	65°	12'			
			3	61°	50'			7690116
			4	57°	07'			
			5	52°	35'			
			6	48°	05'			7690118
			7	43°	27'			
			8	39°	02'			
			9	34°	47'			7690120
			10	30°	54'			
			11	28°	08'			
			12	26°	31'			7690122
			13	24°	04'			
			14	22°	49'			
			15	21°	20'			7690124
		9:52	16	20°	40'			
				00	00			
				00	00			7690126
				00	00			
				00	00			
				00	00			7690128



Profile Notes Red. Plotted Job No. 03000.02 Division No. 11 F.B. 3791 Pg. 181
No. Date Date Survey of END ROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes T. G. Date 3-22-61
No. Date Date Map No. Indexed C.J. CALL 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. 3791 Pg 182 Job No. 030002 Division No. // Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEYS Date Date No.

Survey by RICHARDS Notes T. 6 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					
				88	17			
				00	00			
				00	00			7690112
				00	00			
				00	00			
				00	00			7690114
				19	45			
				15	55			
				13	17			7690136
				10	18			
				08	16			
				05	08			7690138
				03	19			
				00	00			
				00	00			7690140
				00	00			
				00	00			
				00	00			7690142
				91	43			
				00	00			
				00	00			7690144

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.	771+51.11 L	R
TP				8 84.		
	7 97	16 81.				
STA			1350	331.	1"X2" STK 771+51.11	
			122	46'	M.H.T.	10° ~ BK
			12	156		50° ~ BOTT BK
			~~7~~150	306		65° ~ TOP "
TP			911	770.		
771+51.11	325	656.		331.	T.P. 1X2 ℄	
			~~59~~		GUN AT 769+01 SIGHT ON 771+51.11	
			59	07.	#1 5° 03'	
			90	-24.	2 13 00	
			104	-38.	3 21 09	
			98	-32.	4 23 29	
			124	-58.	5 30 23	
			165	-99.	6 38 03	

DATUM
MEAN LOWER LOW WATER

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 183
Date ___ Date ___ Survey of MALIBU AREA HYDRO.
X-Sec. No. ___ Notes Chkd. ___ Checked ___ Survey by WILSON DREIER Notes WILSON DREIER Date 3-22-67
Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date ___

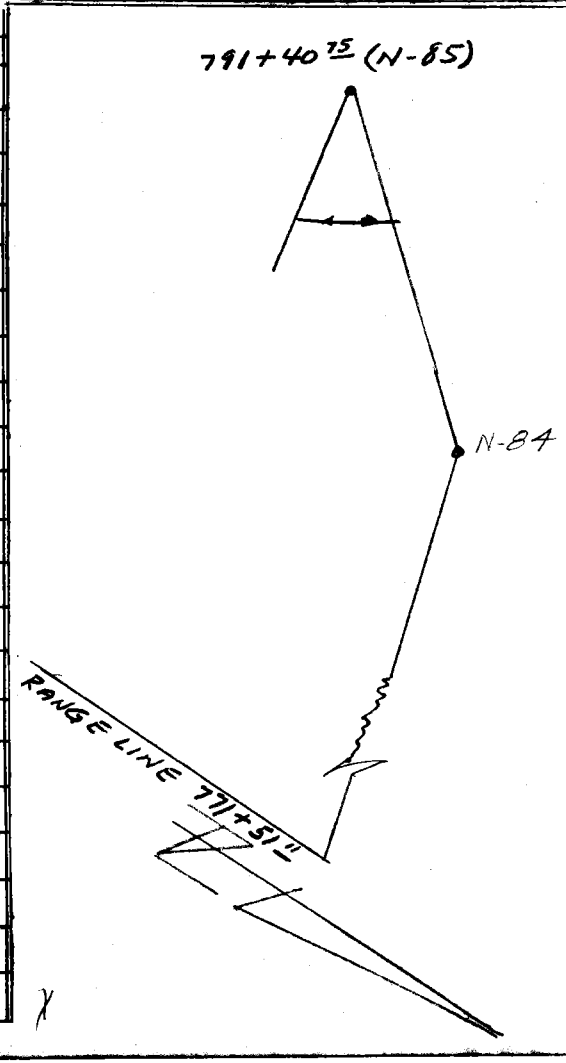
765420A - CE 353A - Cdb 9-62

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 771+51 11

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					
791+40 75	N-84	10:21	1	63°	45'			
			2	58°	54'			
			3	54°	23'			7715116
			4	50°	19'			
			5	46°	04'			
			6	40°	59'			7715118
			7	36°	36'			
			8	31°	55'			
			9	27°	06'			7715120
			10	24°	47'			
			11	23°	08'			
			12	21°	28'			7715122
			13	20°	05'			
			14	18°	48'			
		10:25	15	17°	45'			7715124
				00	00			
				00	00			
				00	00			7715126
				88	17			
				00	00			
				00	00			7715112



Profile Notes Red. Plotted Job No. 03002 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEYS F. B. 3791 Pg. 85
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes T.G. Date 3-22-67
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.

F. B. 3791 Pg. 186 Job No. 030002 Division No. // Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed Date Date Date No.

Profile

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			7715114
				38	03			
				30	23			
				23	29			7715134
				21	09			
				13	00			
				05	03			7715136
				00	00			
				00	00			
				00	00			7715138
				91	43			
				00	00			
				00	00			7715140
				00	00			
				00	00			
				00	00			7715142
				00	00			
				00	00			
				00	00			7740146

to Pg 190

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.	774+01.22 L	R
TP				7 70		
	305	10 75				
TP			7 45	3 30	SWIM TP 1"X2" STK	
			6 2	4 6		13° ~ MHT
773+97			7 8	3 0	BOTT SEA WALL - 4' EAST STA	
773+99			↑105	13 5	TOP SEA WALL - 2' EAST STA	
TP			353	7 22		
	298	6 28		3 30	SWIM T.P	
					GUN AT 769+01	SIGHT ON 774+01.22
			160	-97	1 28° 08	
			140	-77	2 23 46	
			123	-60	3 20 00	
			100	-37	4 14 40	
			86	-23	5 9 59	
			70	-07	6 6 14	
			38	25	7 1 53	
			32	31		℄ ON SAND 4 FT E. STAT.
774+01.22						

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 187
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes WILSON DREIER Date 3-22-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

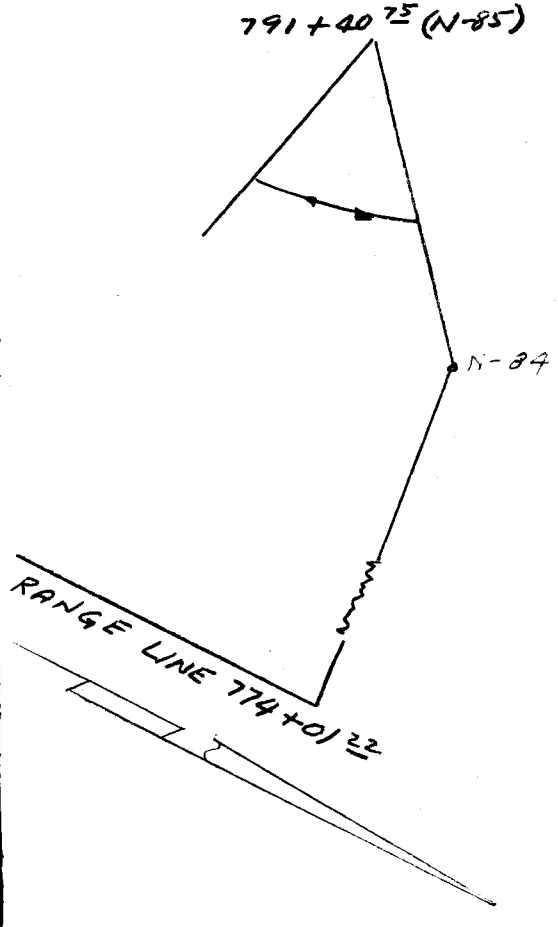
76S420A - CE 353A - Cdb 9-62

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 774+01.22

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					
791+40.75	N-84	10:42	1	71°	26'			
			2	67°	28'			
			3	63°	59'			7740116
			4	59°	12'			
			5	55°	17'			
			6	50°	13'			7740118
			7	44°	30'			
			8	39°	42'			
			9	34°	58'			7740120
			10	31°	56'			
			11	27°	32'			
			12	23°	47'			7740122
			13	21°	55'			
			14	20°	12'			
			15	18°	22'			7740124
		10:46	16	16°	51'			
				00	00			
				00	00			7740126
				00	00			
				00	00			
				00	00			7740128



Profile Notes Red. Plotted Job No. 9300.02 Division No. 11 F.B. 3791 Pg. 189
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-22-67
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					
				88	17			
				00	00			
				00	00			7740112
				00	00			
				00	00			
				00	00			7740114
				28	08			
				23	46			
				20	00			7740136
				14	40			
				09	59			
				06	14			7740138
				01	53			
				00	00			
				00	00			7740140
				00	00			
				00	00			
				00	00			7740142
				91	43			
				00	00			
				00	00			7740144

F. B. 3791 Pg. 190 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEYS Date Date X-Sec.

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

Indexed Date Date Date

Profile

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.	776+67.61 L	R
TP				722.		
	677	1399.				
STA			1044	355.	776+67.61	1"X2" STK
			94	46.		10° ~ MHT
			72	68.		29° ~ BOTT BK
		↑145 TO	HI	285.		60° ~ TOP BK
TP			784	615.		
776+67.61	183	538.		355	T.P. 1X2	
			08	48.		10 FT RT. M. HI. TIDE
			51	03.	25 FT LEFT	
			~~75~~	—	CUT GUN AT 779+35.00 SIGHT ON 776+67.61	
			75	-21.	#1 12° 55'	
			83	-29.	2 19 53	
			98	-44.	3 23 52	
			110	-56.	4 29 01	
			138	-84.	5 44 45	
			144	-90.	6 51 51	
			160	-106.	7 56 00	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. ____ Survey of MALIBU AREA HYDRO
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by WILSON BREIER Notes R & G Date 3-22-67
Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3791 Pg. 191

765420A - CE 353A - Cdb 9-62

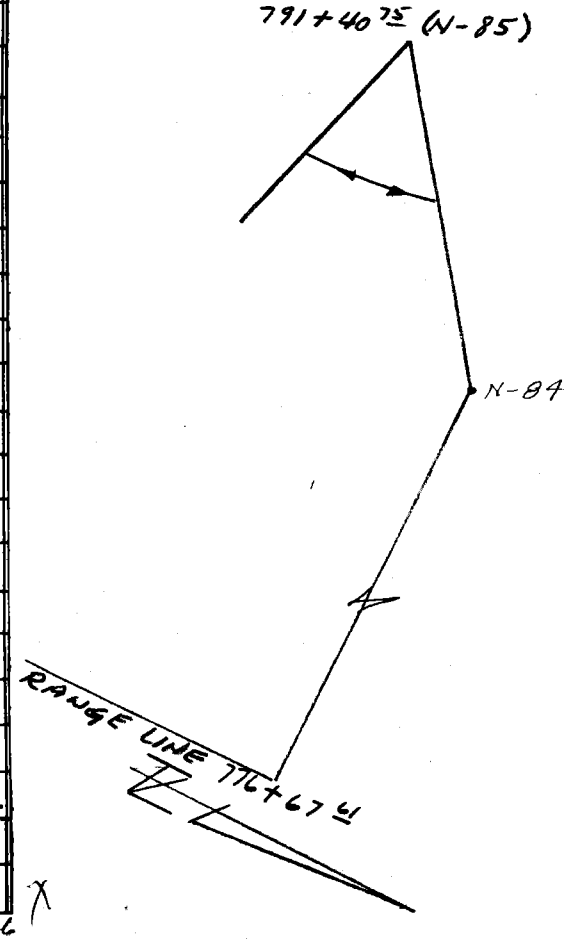
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 776+67.61

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					
791+46.75	N-84	11:00	1	76°	54'			
			2	72°	55'			
			3	69°	15'			7766714
			4	65°	45'			
			5	61°	50'			
			6	56°	28'			7766716
			7	49°	58'			
			8	44°	52'			
			9	39°	33'			7766718
			10	34°	24'			
			11	31°	06'			
			12	27°	00'			7766720
			13	23°	01'			
			14	20°	50'			
			15	19°	03'			7766722
			16	16°	41'			
		11:05	17	15°	22'			
				00	00			7766724
				00	00			
				00	00			
				00	00			7766726



Profile Notes Red Plotted Job No. 030002 Division No. 11 F. B. 3791 Pg. 193
No. Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-22-67
No. Date Date Map No. Indexed C.J.CALL 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. 3791 Pg. 194 Job No. 030002 Division No. // Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEYS Date No. Profile

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

Indexed 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					
				69	13			
				00	00			
				00	00			7766710
				00	00			
				00	00			
				00	00			7766712
				69	13			
				00	00			
				00	00			7766734
				00	00			
				00	00			
				00	00			7766736
				56	00			
				51	51			
				44	45			7766738
				29	01			
				23	52			
				19	53			7766740
				12	55			
				00	00			
				00	00			7766742

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.		
				00	00				
				00	00				
				00	00			766744	to pg 194
				00	00				
				00	00				
				00	00			787444	to pg 212-A

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. 3701 Pg. 1944

F. B. PG.

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

Survey of______ Date______ Date______ No.______

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

Indexed______ Date______ Date______ Date______ No.______

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

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 Gdb 12-62

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 23002 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU AREA Date 3-22-67
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by BREIER Notes BREIER Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

F.B. 3791 Pg. 195

STATION	B. S.	H. I.	F. S.	ELEV.	779+35.00 L R
TP				615.	
	7 05	13 60.			
TBM #4			034	13 26.	EL= 13.28' PER PGE F.B. 3795, Pg 1
TBM				13 28	
	1 83	15 11.			
			12 21	290.	46°~ 1"X2" SCRIM TP
			10 5	4 6.	30°~ MHT & BOTT GROIN
			6 6	8 5	21°~ TOP GROIN
STA			9 50	561.	779+35° 1"X2" BOTT GROIN
			8 2	69.	17°~ BOTT SEAWALL
			5 3	9 8.	20°~ TOP "
	ABOVE HI		7135	28 6.	50°~ TOP SLOPE
TP			828	683.	
T.P	170	4 60.		2 90.	46° 1X2
			00	4 6	32 AT LEFT MEAN HI. WATER
					GUN AT 782+02 SIGHT ON 779+35°
			155	-109. 1	60°-15'
			135	-89. 2	51 30
			107	-61. 3	46 21
			96	-50. 4	36 12

DATUM
MEAN LOWER LOW WATER

CONT. NEXT PG.

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.	779 + 35° CONT
		4 68			GUN AT 782+ SIGHT ON 779+35
			72	-26.	#5 29° 22'
			71	-25.	#6 21° 37'
			39	07.	67 FT LEFT

F. B. 3791 PG. 196 Job No. 03000.2 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of HYD. SURVEYS Date ____ Date ____ No. ____
Survey by WILSON DREIER Notes WILSON-DREIER Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ Date ____ No. ____

765420A - CE 353A - Cdb 9-62

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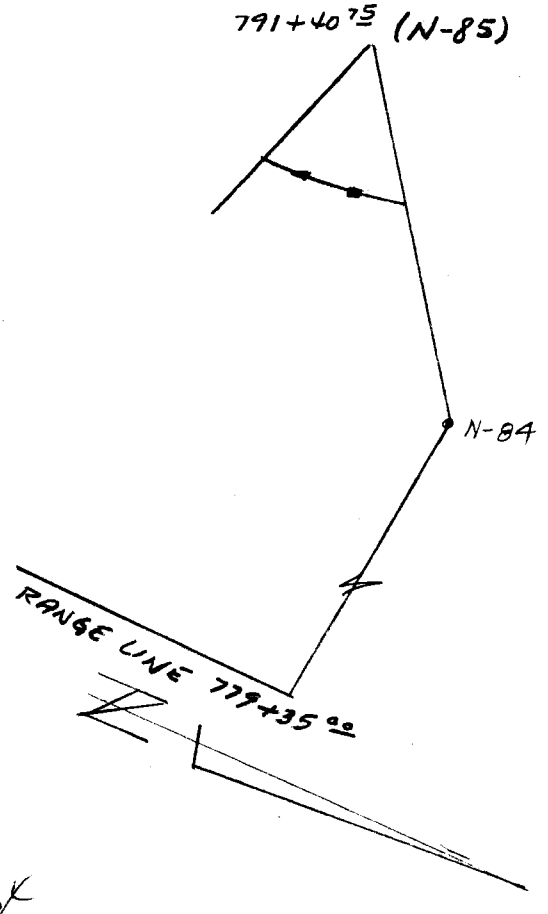
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line. RANGE LINE 779 + 35.00

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					
791+40.75	N-84	11:14	1	86°	05'			
			2	81°	37'			
			3	76°	30'			7793514
			4	71°	25'			
			5	66°	06'			
			6	59°	27'			7793516
			7	51°	10'			
			8	42°	02'			
			9	33°	27'			7793518
			10	30°	05'			
			11	26°	05'			
			12	22°	55'			7793520
			13	20°	17'			
			14	17°	40'			
		11:18	15	16°	55'			7793522
				00	00			
				00	00			
				00	00			7793524
				69	13			
				00	00			
				00	00			7793510



Profile Notes Red. Plotted Job No. 03002 Division No. 11 F. B. 3791 Pg. 197
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-22-67
No. Date Date Map No. Indexed C.J. CALL 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. 3791 Pg. 198 | Job No. 030002 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEYS Notes Date Date No.

Survey by RICHARDS Notes T. S. 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					
				00	00			
				00	00			
				00	00			7793512
				69	13			
				00	00			
				00	00			7793532
				00	00			
				00	00			
				00	00			7793534
				60	15			
				51	30			
				46	21			7793536
				36	12			
				29	22			
				21	37			7793538
				00	00			
				00	00			
				00	00			7793540
				00	00			
				00	00			
				00	00			7847142

to 82.208

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.	782+02.39 LR	
TP				6 83		
	8 05	14 88				
TP			13 40	1 48	34° ~ 1"X2" Swim TP	
			10 3	4 6	9° ~ MHT	
			4 5	10 4		28° ~ TOP BRK
			3 0	11 9		43° ~ BOTT BANK
	TO	HI +	14 5	29 4		65° ~ TOP BANK
N-84			6 26	8 62	784+64.01 ~ L & TAG IN ROCK PER 3790-22	
T.P.	4 25	5 73		1 48	34 FT L. 1X2 FLUSH	
			5 7	00	50	
					GUN AT 776+67.6	SIGHT ON 782+02.39
			7 8	-21	#1 9° 45'	
			9 5	-38	2 12 49	
			11 0	-53	3 16 13	
			13 6	-79	4 20 10	
			15 0	-93	5 22 19	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 PG. 199
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes & Bk. Date 3-22-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

765420A - CE 353A - Cdb 9-62

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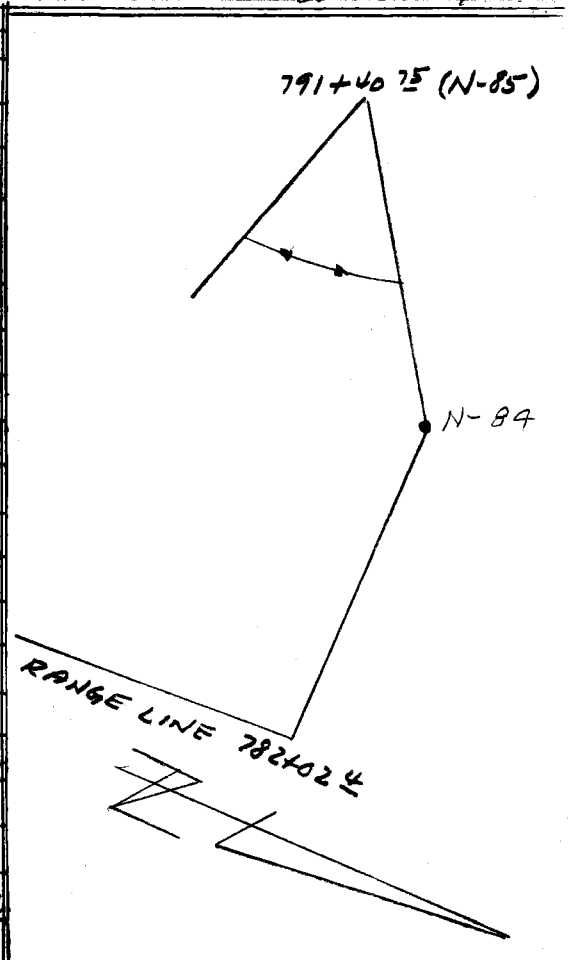
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line. RANGE LINE 782+02.4

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					
791+40 7.5	N-84	11:28	1	91°	39'			
			2	87°	45'			
			3	83°	11'			78202.14
			4	77°	56'			
			5	70°	15'			
			6	61°	45'			78202.16
			7	52°	27'			
			8	44°	55'			
			9	37°	49'			78202.18
			10	32°	21'			
			11	28°	31'			
			12	24°	47'			78202.20
			13	21°	31'			
			14	18°	29'			
		11:32	15	15°	52'			78202.22
				00	00			
				00	00			
				00	00			78202.24



Profile Notes Red. Plotted Job No. 830002 Division No. 11 F.B. 3791 Pg. 20
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-22-67
No. Date Date Map No. Indexed C.J.CALL Date

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Do not extend notes this side of this line.

F. B. 3791 Pg. 202 Job No. 030007 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEYS Date Date No.

Survey by RICHARDS Notes T.S. 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					
				69	13			
				00	00			
				00	00			7820210
				00	00			
				00	00			
				00	00			7820212
				22	19			
				20	10			
				16	13			7820232
				12	49			
				09	45			
				00	00			7820234
				00	00			
				00	00			
				00	00			7820236
				110	47			
				00	00			
				00	00			7620238
				00	00			
				00	00			
				00	00			7620240

Notes Ck'd by		Survey of MALIBU AREA HYDROGRAPHIC SURVEY	F. B. 3791 Pg. 203
Map No.		JN 0300-02 Tape	Std °F
Office Work		Surveyed by RICHARDS	
Checked		Notes UNHARRIET Date 3-29-67	
Date		Indexed C.J. GALLI	

TIDE GAGE READINGS
MAR 23, 1967
TIME - P.S.T.
DATUM - M.L.L.W.

TIME	TIDE
6:00	5.4
6:30	5.6
7:00	5.6
7:30	5.4
8:00	5.0
8:30	4.5
9:00	4.0
9:30	3.2
10:00	2.5
10:30	1.7
11:00	0.9
11:30	0.2
12:00	-0.3
12:30	-0.7
13:00	-1.2
13:30	-1.3
14:00	-1.3

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. 3791 PG 204

MARCH 23, 1967

Recorded Tides

Predicted Tide

6 AM

8

10

12 Noon

2

4 P.M.

2

4

6

2

0 MLLW

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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.	784 + 70 99	ROCKY RIGHT
784+70 99	99	155.		560	TBM 5A CH 15 "X" ON ROCK	(F.B. 3795, 163)
			83	72		9° BOT. OF SEA WALL
			43	112		10° Top. " " UNDER BLDG.
			13	142		39° GR. CH.
			+9°	245		65° RD. WY.
784+70 99	020	580.		560	ON STA. ROCK &	
			12	46.	0 MEAN HI. WATER	0 AT STA. ON SAND
			47	11.	33 FT LEFT	
			65	-07.	53 " "	
					CUT GUN AT 791+17 8	SIGHT ON 784+70 99
			70	-12.	1 72° 05	
			95	-37.	2 61 29	

DATUM
MEAN LOWER LOW WATER

CONT. NEXT PAGE

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 205
Date ____ Date ____ Survey of MALIBU AREA HYDRO
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-23-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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.	784+70 99	
					ROCKY	
		5 80			GUN AT 791+17 8 SIGHT ON 784+70 99	
			120	-62.3	47° 51'	
			135	-77.4	36 21	
			141	-83.5	26 41	
			170	-112.6	20 38	

F.B. 3791 Pg. 206 Job No. 030002 Division No. 11 Notes Red Date Plotted Date Profile No. X-Sec. No.

Survey of HYD. SURVEYS Notes WILSON-DREIER Date Notes Chkd. Date Checked Date No.

Survey by WILSON DREIER Date

Indexed

76S420A - CE 353A - Cdb 9-62

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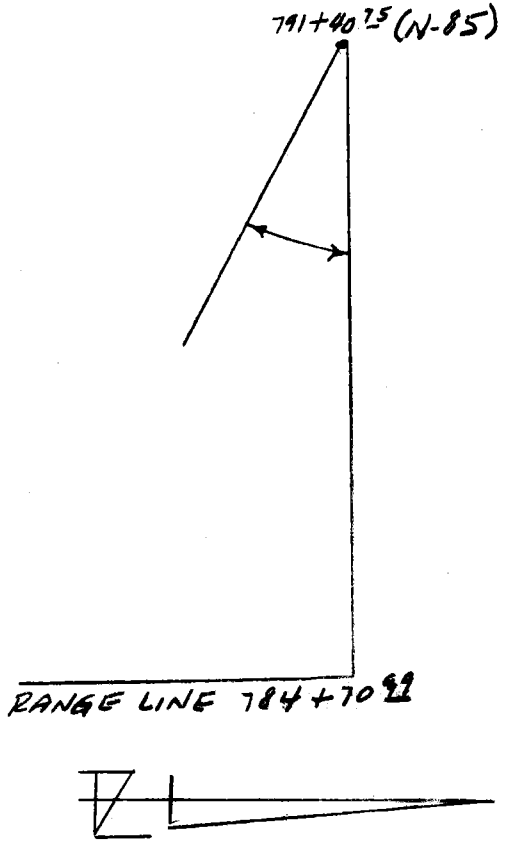
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

RANGE LINE 784+70.99

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					
791+40.75	N-84	10:44	1	111°	30'			
			2	110°	20'			
			3	107°	58'			7847112
			4	104°	12'			
			5	101°	08'			
			6	97°	45'			7847114
			7	93°	20'			
			8	87°	32'			
			9	80°	35'			7847116
			10	74°	49'			
			11	69°	15'			
			12	61°	50'			7847118
			13	54°	43'			
			14	46°	59'			
		10:49	15	40°	28'			7847120
		10:53	16	40°	28'			
			17	35°	48'			
			18	30°	10'			7847122
			19	26°	21'			
		10:55	20	22°	31'			
				00	00			7847124



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 3791 Pg. 207
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-23-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				00	00			
				00	00			
				00	00			7847126
				50	38			
				00	00			
				00	00			7847108
				00	00			
				00	00			
				00	00			7847110
				50	38			
				00	00			
				00	00			7847134
				00	00			
				00	00			
				00	00			7847136
				72	05			
				61	29			
				47	51			7847138
				36	21			
				26	41			
				20	38			7847140

to Pg 198

F. B. 3791 Pg. 208 Job No. 0300102 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS 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

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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.	787 + 94.4 L.	ROCKY RIGHT
	124	157.		325.	T.B.M 5B FD 1X2	(F.B. 3795, 163)
			103	54.		27° BOT OF SEA WALL
			56	101.		28° TOP "UNDER" BLDG
			37	120.		46° GR. CH.
			+83	240.		78° RD. WY.
	185	510		325.	T.P. 1X2 GUN AT 791+17.8	SIGHT ON 784+70.99
			161	-110.	#1 72° 05'	
			131	-80.	2 61 29	
			125	-74.	3 47 51	
			96	-45.	4 36 21	
			87	-36.	5 26 41	
			83	-32.	6 20 38	
			60	-09.	80 FT LEFT	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 Survey of MALIBU AREA HYDRO
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-23-67
Map No. ____ Indexed ____ Date ____

F.B. 3791 Pg. 209

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.

F.B. 3791 Pg. 210 Job No. 03002 Division No. 11 Notes Red Plotted Profile
Survey of HYDI SURVEYS Date Date No. X-Sec.
Survey by DREIER Notes WILSON-DREIER Notes Chkd. Checked No.
Indexed Date Date Date

STATION	B.S.	H.I.	F.S.	ELEV.	L	R
					CUT GUN AT 791+17 R	SIGHT ON 784+70 RR
		5.10	5.5	-0.4	52 FT	
			4.2	0.9	20	
			0.5	4.6		14 FT RT
			+0.3	5.4		27 " RT BASE OF SEA WALL

765420A - CE 353A - Cdb 9-62

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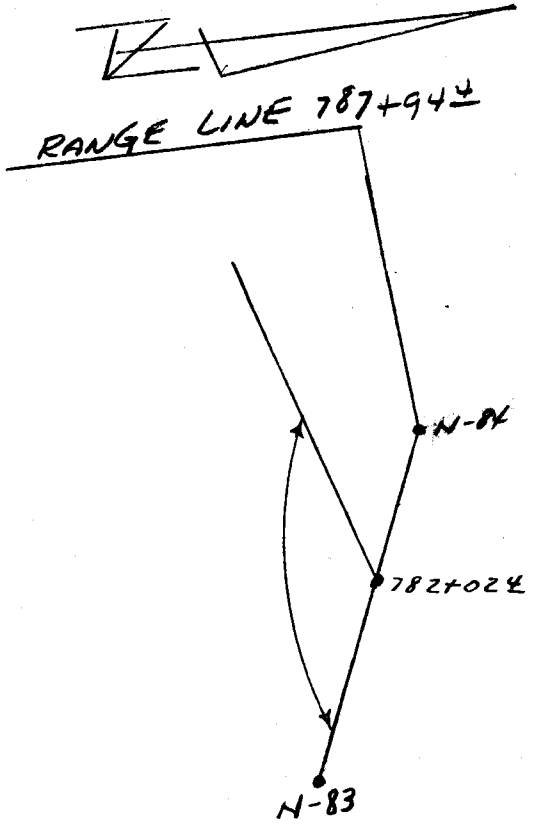
726 Los Angeles County Engineering Bldg.

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 787+94.38

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						
782+02½	N-83	11:28	1	121°	55'				
			2	123°	09'				
			3	124°	22'				
			4	125°	32'				
			5	127°	05'				
		11:31	6	128°	35'				
		11:34	1	124°	13'				
			2	125°	10'				
			3	126°	45'				
			4	128	13'				
			5	129°	12'				
			6	130°	22'				
			7	131°	53'				
			8	133°	50'				
			9	135°	33'				
			10	137°	50'				
			11	139°	59'				
			12	141°	52'				
			13	144°	55'				
			14	147°	31'				



Profile Notes Red. Plotted Job No. 8300.02 Division No. 11 F. B. 3791 Pg. 211
No. Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J. G. Date 3-23-67
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3791 PG. 212 | Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed Date Date Date No.

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726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	For Office Use Only Range Line Min.	For Office Use Only Card No.
782024	N-83	11:38	15	149°	21'			

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				58	05			
				56	51			
				55	38			7879410
				54	28			
				52	55			
				51	25			7879412
				55	47			
				54	50			
				53	15			7879414
				51	47			
				50	48			
				49	38			7879416
				48	07			
				46	10			
				44	27			7879418
				42	10			
				40	01			
				38	08			7879420
				35	05			
				32	29			
				30	39			7879422

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. 3791 PG. 211

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. 3791 Pg. 212 A Job No. Division No. Notes Red. Plotted No.

Survey of Date Date X-Sec.

Survey by Notes Notes Chkd. Checked

Indexed Date Date Date No.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No. Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
				00	00			
				00	00			
				00	00			7879424
				129	22			
				00	00			
				00	00			7879426
				00	00			
				00	00			
				00	00			7879428
				50	38			
				00	00			
				00	00			7879436
				00	00			
				00	00			
				00	00			7879438
				72	05			
				61	29			
				47	51			7879440
				36	21			
				26	41			
				20	38			7879442

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.	791 +17.8 ℄	
	9 2	15 7.		6 48	T.B.M. 5C FD CHIS "X" ON ROCK (FB 3795, 163)	
			5 5	10 2.		35° GR. CH Pilings Bldg
			+11 3	27 0.		62° GR. CH.
791+17.8	0 39	6 87.		6 48	"X" ON ROCK	GUN AT 787+94.4 SIGHT ON N-85
			20 5	-13 6.	1 27° 57' (EST. 3.5 OVER ROD.)	
			17 0	-10 1.	2 24 40	
			14 0	-7 1.	3 22 43	
			13 6	-6 7.	4 19 22	
			12 0	-5 1.	5 17 04	
			10 0	-3 1.	6 16 02	
			9 2	-2 3.	7 13 26	
			7 5	-0 7.	100 FT LEFT	
			6 8	0 1.	74 " "	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 213
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-23-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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

F.B. 3791 Pg. 214 Job No. 030002 Division No. 11 Notes Red Plotted Profile
Survey of HYD. SURVEYS Date Date No. X-Sec.
Survey by WILSON & DREIER Notes Chkd. Checked No.
Indexed Date Date Date

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
						ROCKY
		687				
			57	12.	64 FT L.	
			44	25.	38	
			23	46.	9 FT. L. ON SAND	MEAN HI. WATER
			13	56.	ON SAND	@ AT STA.

76S420A - CE 353A - Cdb 9-62

PLEASE RETURN TO
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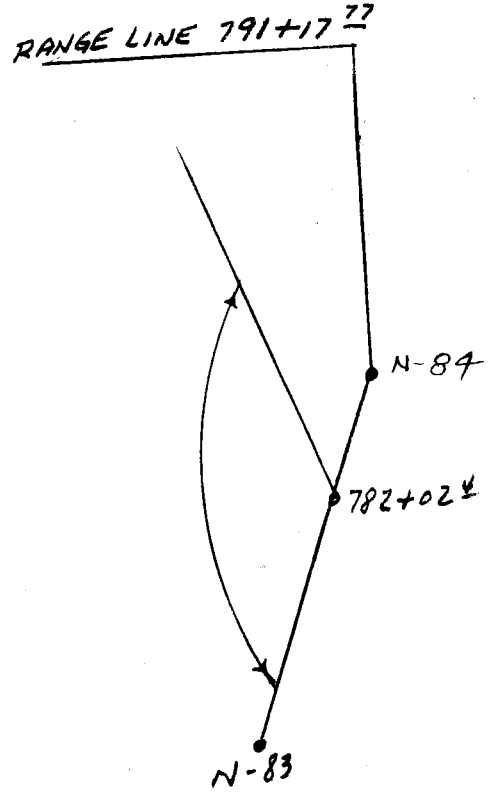
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. RANGE LINE 791+17.77

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					
782+02.4	N-83	11:52	1	134°	15'			
			2	135°	19'			
			3	136°	41'			
			4	138°	02'			
			5	139°	00'			
			6	140°	25'			
			7	142°	15'			
			8	144°	06'			
			9	145°	52'			
			10	147°	12'			
			11	149°	05'			
			12	150°	22'			
			13	152°	10'			
			14	154°	00'			
		11:55	15	155°	02'			



Profile Notes Red. Plotted Job No. 030002 Division No. 11 F.B. 3791 Pg. 215
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J.G. Date 3-23-67
No. Date Date Map No. Indexed C.J. GALLI Date

F. B. 3791 Pg. 216 | 0300.02 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed Date Date Date No.

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726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

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726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	Range Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				45	45			
				44	41			
				43	19			7911810
				41	58			
				41	00			
				39	35			7911812
				37	45			
				35	54			
				34	08			7911814
				32	48			
				30	55			
				29	38			7911816
				27	50			
				26	00			
				24	58			7911818
				00	00			
				00	00			
				00	00			7911820
				129	22			
				00	00			
				00	00			7911822

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. 3791 Pg. 215 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. 3701 Pg. 216A Job No. Division No. Notes Red. Plotted. No.

Survey of Date Date X-Sec.

Survey by Notes 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					
				00	00			
				00	00			
				00	00			7911824
				27	57			
				24	40			
				22	43			7911832
				19	22			
				17	04			
				16	02			7911834
				13	26			
				00	00			
				00	00			7911836
				00	00			
				00	00			
				00	00			7911838
				129	22			
				00	00			
				00	00			7911840
				00	00			
				00	00			
				00	00			7911842

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.	793+80 96	
	57	159		1024	T.B.M 5D FD 1X2 & N	F.B. 3795, Pg. 163
			56	103		18° PILING OF BLDG
			30	129		34° GR.CH. UNDER BLDG
			+122	281		61° FRONT BLDG.
793+80	191	1215		1024	T.P. 1X2 ON STA. FLUSH CUT GUN ON N-85 SIGHT ON N-86	
			23	99	10 FT LEFT TOP BRK	
			40	82	14 " " BOT BRK	
			76	46	44 " " MEAN HI. WATER	
			115	07	85 " " SAND	
			114	08	108 " " ROCKS	
			125	-03	158 " " "	
T.P	230	357	1088	127	T.P.	

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. Survey of MALIBU AREA HYDRO. Survey by WILSON DREIER Notes ADAMS DREIER Date 3-23-67 Map No. Indexed GALL Date

F.B. 3791 Pg. 217

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.

F.B. 3791 Pg. 2/8 Job No. 0300.02 Division No. 11 Notes Red Plotted Profile
Survey of MALIBU AREA HYDRO. Date Date No. X-Sec.
Survey by DREIER Notes DREIER Notes Chkd. Checked
Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.			
						ROCK	
		351				GUNAT N-85	SIGHT ON 793+80±
			59	-23.1	1	28° 44'	
			84	-48.2	2	30 54	
			113	-67.3	3	36 44	
			126	-90 4	4	41 05	
			128	-92 5	5	45 13	
			167	-131.6	6	47 03	

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				39	47			
				38	08			
				35	47			7938112
				34	06			
				32	34			
				30	45			7938114
				29	01			
				26	57			
				25	32			7938116
				24	33			
				23	03			
				21	47			7938118
				00	00			
				00	00			
				00	00			7938120
				104	29			
				00	00			
				00	00			7938122
				00	00			
				00	00			
				00	00			7938124

X

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

F. B. 3791 PG. 210 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.

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No.

Job No. Pg. 220

Notes Date

F. B. 3791

Survey of

Survey by

Indexed

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					
				47	03			
				45	13			
				41	05			7938132
				36	44			
				30	54			
				28	44			7938134
				00	00			
				00	00			
				00	00			7938136
				104	29			
				00	00			
				00	00			7938138
				00	00			
				00	00			
				00	00			7938140

76S420A - CE 353A - Cdb 9-62

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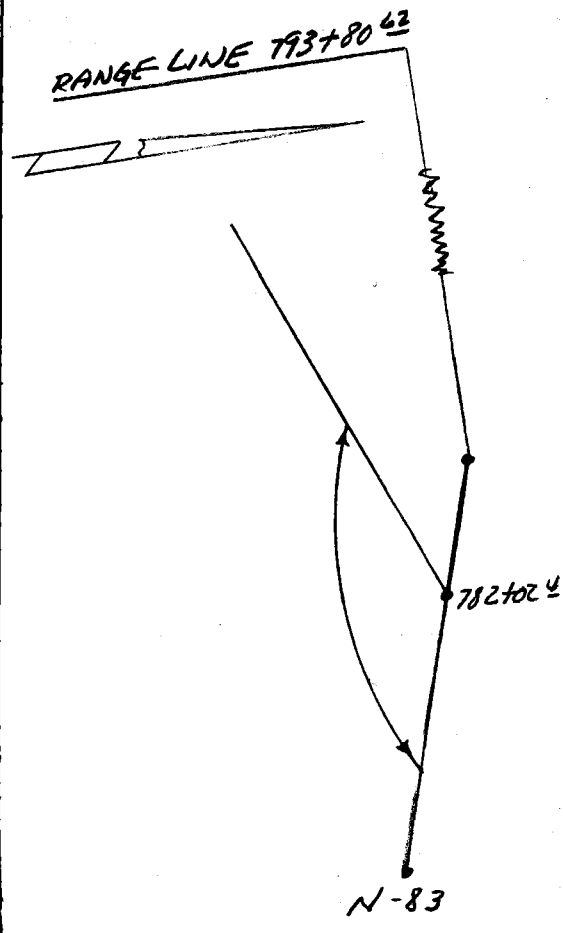
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 793+80.62

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					
782+02.4	N-83	12:08	1	140°	13'			
			2	141°	52'			
			3	144°	13'			
			4	145°	54'			
			5	147°	26'			
			6	149°	15'			
			7	150°	59'			
			8	153°	03'			
			9	154°	28'			
			10	155°	27'			
			11	156°	57'			
		12:11	12	158°	13'			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 219
Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes JG Date 3-23-67
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3791 Pg. 220 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

Inst. At 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.

76-L-298 CE 307 2-63

PLEASE RETURN TO
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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 4300.02 Division No. 11
No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO. ADMIN.
X-Sec. Notes Chkd. ____ Checked ____ Survey by WILSON & REESER Notes WREESER Date 3-23-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALL Date ____

F.B. 3791 Pg. 221

STATION	B. S.	H. I.	F. S.	ELEV.	796+38 83	RIGHT
	8 3	16 4·		810	T.B.M. 5E FD 1X2½N	(3795 - 163)
			5 6	108·		32° PILINGS BLDG
			5 2	113·		42° GR. CH. Bot. Cut
			+4 9	208·		44° Top Cut
			+1 34	298·		62° FRONT BLDG
						DATUM MEAN LOWER LOW WATER
T.P.	170	980·		810·	T.P ON 1X2	STA. 796+38 83
	118	162·	936	044·		GON AT 794+46 3 SIGHT ON
			195	-179·	1 55° 28'	EST. 2 5 OVER 17 FT ROD
			165	-149·	2 NO ANGLE BEHIND ROCKS	
			145	-129·	3 53 49	
			105	- 89·	4 50 43	
			52	- 36·	5 47 00	
			60	- 44·	6 42 44	
			49	- 33·	7 36 20	

(BAD BREAKERS & ROCK THUS POOR LINE)

CONT. NEXT PAGE

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.

F.B. 3791 PG. 222 Job No. 030002 Division No. 11 Notes Red Date Plotted Profile No.
Survey of MALIBU AREA HYDRO. Date Date No. X-Sec.
Survey by DREIER Notes DREIER Notes Chkd. Checked No.
Indexed C.J.GALLI Date Date Date

STATION	B.S.	H.I.	F.S.	ELEV.	796+38	R
					CONT. FROM PREV. PAGE.	
		1 62				
			34	- 18.8	31° 00'	
			19	- 03.	107 FT LEFT ROCKY	
T.P.	10 94	11 54	102	060		
			105	10.	72 FT LEFT	N'LY EDGE ROCKS
			93	22.	67	
			81	34.	50	
			69	46.	36	
			33	82.	SAND	
			15	100.	—	18 FT RT
			08	107.		38 FT. TOE OF SLOPE
			344	810	T.P. 1X2	

DATUM
MEAN LOWER LOW WATER

76S420A - CE 353A - Cdb 9-62

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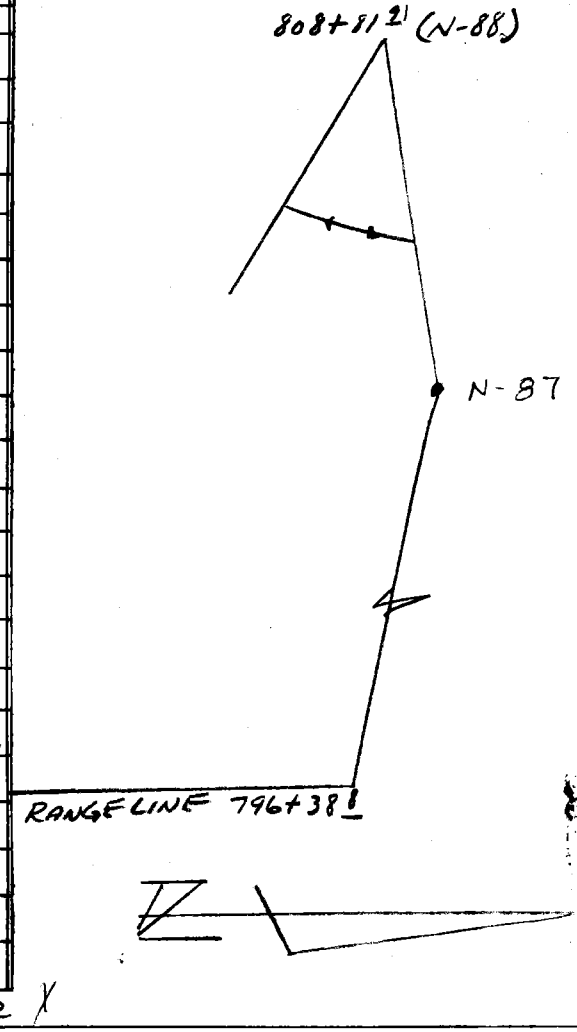
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 796+38.8

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					
808+81.9	N-87	12:52	1	49°	24'			
			2	46°	53'			
			3	44°	41'			7963914
			4	42°	05'			
			5	39°	45'			
			6	37°	01'			7963916
			7	34°	20'			
			8	31°	55'			
			9	29°	35'			7963918
		12:54	10	27°	14'			
				00	00			
				00	00			7963920
				00	00			
				00	00			
				00	00			7963922
				75	31			
				00	00			
				00	00			7963910
				00	00			
				00	00			
				00	00			7963912



Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 223
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3791 Pg. 224 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS Date Date No.

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

Indexed Date Date Date No.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
				104	29			
				00	00			
				00	00			7963930
				00	00			
				00	00			
				00	00			7963932
				55	28			
				53	49			
				50	43			7963934
				47	00			
				42	44			
				36	20			7963936
				31	00			
				00	00			
				00	00			7963938
				00	00			
				00	00			
				00	00			7963940

Notes Ck'd by	Survey of MALIBU AREA HYDROGRAPHIC SURVEY	F. B. 3791 PG. 225
Map No.	JN 0300.02 Tape Std °F	
Office Work	Surveyed by RICHARDS	
Checked	Notes HARRIET C.J. GALLI Date 3-24-67	
Date	Indexed	

TIDE GAGE READINGS
MAR. 24, 1967
TIME – P.S.T.
DATUM – M.L.L.W.

TIME	TIDE
6:00	5.0
6:30	5.5
7:00	5.7
7:30	5.9
8:00	5.8
8:30	5.5
9:00	5.1
9:30	4.5
10:00	3.7
10:30	2.9
11:00	2.1
11:30	1.2
12:00	0.4
12:30	-0.1
13:00	-0.7
13:30	-1.1
14:00	-1.3

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

DATUM
MEAN LOWER LOW WATER

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

Do not extend this side of this line.

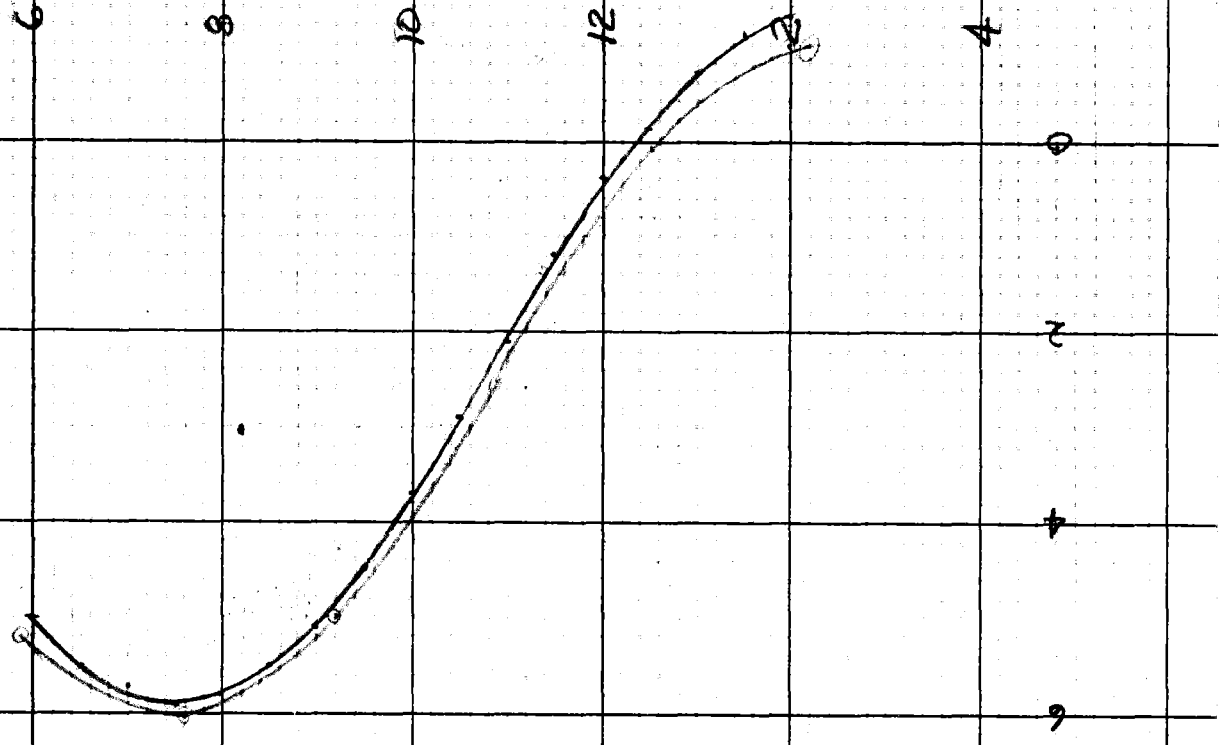
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

6F309S CE#310 1-65

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

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

Do not extend this side of this line.



Tide Readings - 5-24-67

F. B 3791 PG 226

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.	798+92.6	RIGHT
	8.2	18.2		9.97	T.B.M. 5F FD 1x2 & N	
			5.6	12.6		23° PILINGS BLDG
			5.6	12.6		30° BOT OF SEA WALL UNDER BLDG
			+0.8	19.0		32° TOP " "
				29.7		51° FRONT BLDG
						DATUM MEAN LOWER LOW WATER
T.P.	3.71	13.68		9.97	T.P. 1X2 ON STA. 798+92.6	
			4.5	9.2	ON	
			2.7	11.0		11 FT. RT. CROWN
			1.3	12.4		24 " " BASE OF CONC. & ROCK WALL
T.P.	2.75	8.43	8.00	5.68	T.P.	
			1.8	4.6	19 FT LEFT M.H. WATER	
					GUN AT N-86	SIGHT ON 798+92.6
			5.2	3.2	#1 8° 16'	
					LOST LEVEL SET UP START AGAIN ON NEXT PAGE	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3791 Pg. 227

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

Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-24-67

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

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.

F. B. 3791 PG. 228 Job No. 03002 Division No. 11 Notes Red Plotted Profile
Survey of MALIBU AREA HYDRO. Date Date No. X-Sec.
Survey by DREIER Notes DREIER Notes Chkd. Checked No.
Indexed C.T. GALLI Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.				
					CUT GUN AT N-86 SIGHT ON 798+92 ℄			
T. P.	-083	914		997	T. P. 1X2 ON STA.			
			51	40.	1	10°	00'	
			82	09.	2	20	48	
			114	-23.	3	30	00	
			140	-49.	4	46	31	
			160	-69.	5	52	25	
			158	-67.	6	56	40	
			177	-86.	7	59	48	

76S420A - CE 353A - Cdb 9-62

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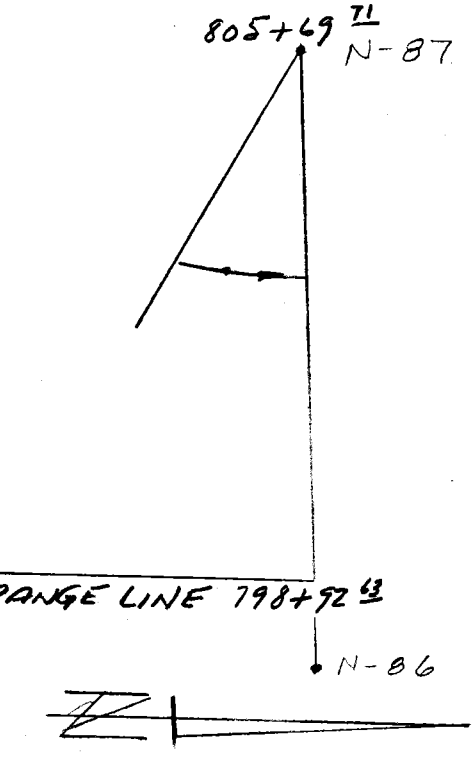
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
805+69 71	N-86	8:57	1	55°	05'			
			2	52°	43'			
			3	50°	01'			7989312
			4	47°	35'			
			5	44°	48'			
			6	42°	02'			7989314
			7	38°	22'			
			8	34°	27'			
			9	30°	42'			7989316
			10	25°	56'			
			11	22°	24'			
		9:00	12	19°	27'			7989318
				00	00			
				00	00			
				00	00			7989320
				99	55			
				00	00			
				00	00			7989308
				00	00			
				00	00			
				00	00			7989310

RANGE LINE 798+92.63



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 3791 Pg. 229
No. Date Date Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes J. G. Date 3-24-67
No. Date Date Map No. Indexed 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					
				59	48			
				56	40			
				52	25			7989328
				46	31			
				30	00			
				20	48			7989330
				10	00			
				00	00			
				00	00			7989332
				00	00			
				00	00			
				00	00			7989334
				80	05			
				00	00			
				00	00			7989336
				00	00			
				00	00			
				00	00			7989338

F. B. 3791 Pg. 230 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEYS 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 Rod Plotted Job No. 030002 Division No. 11 F.B. 3791 Pg. 231
No. X-Sec. Date Date Survey of MALIBU AREA HYDRO.
No. Notes Chkd. Checked Survey by WILSON DREIER Notes ADAMS DREIER Date 3-24-67
No. Date Date Map No. Indexed C.J. CALI Date

STATION	B. S.	H. I.	F. S.	ELEV.	801+46 42	RIGHT
	11 9	18 1°		6 69°	T.B.M. SG FD IV2 SN	(3795-163)
			5.°	13 1		49° PILINGS BLDG.
		+	10 2	28 3		76° FRONT BLDG
					DATUM MEAN LOWER LOW WATER	
T.P	- 020	6 49		6 69	T.P. IX 2 ON STA. 2E.	
					CUT GUN AT N-86	SIGHT ON 801+46 4
			171	- 10 6.1	37° 17	
			173	- 10 8.2	36 49	
			160	- 9 5.3	32 01	
			130	- 6 5.4	28 05	
			115	- 5 0.5	25 42	
			110	- 4 5.6	24 38	
			90	- 2 5.7	19 22	

76-L-295 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.

F.B. 3791 Pg. 232 Job No. 0300.02 Division No. 11 Notes Red • Plotted Profile
Survey of MALIBU AREA HYDRO. Date Date No. X-Sec.
Survey by DREIER Notes DREIER Notes Chkd. Checked
Indexed Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	801+46.42 ±0.07	
		6.49			CUT GUN AT N-86, SIGHT ON 801+46.42	
			7.2	-0.78	11° 56'	
			5.8	0.79	6° 13'	
			1.9	4.6	4 FT LEFT M.H.W.	
T.P.	6.87	13.56		6.69	T.P 1X2 ON STA.	
			3.4	10.2		35 FT RT BOT BRK
			1.5	12.1		41 " " TOP BRK
			1.0	12.6		49 " " TOE SLOPE UNDER HOUSE

DATUM
MEAN LOWER LOW WATER

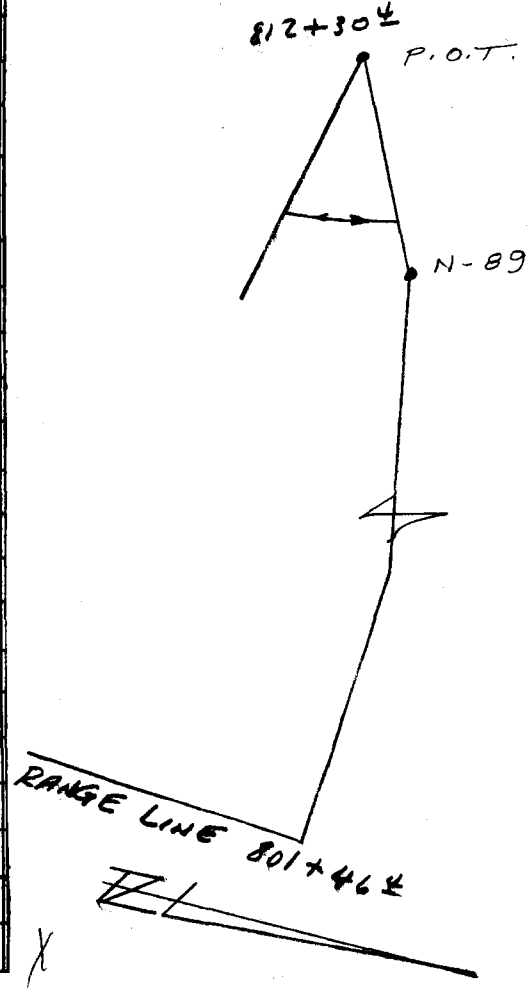
76S420A - CE 353A - Cdb 9-62

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 801 + 46.4

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					
812+30 ±	N-89	9:54	1	42°	04'			
			2	39°	16'			
			3	36°	21'			8014618
			4	33°	23'			
			5	29°	32'			
			6	25°	45'			8014620
			7	21°	44'			
			8	18°	51'			
			9	16°	35'			8014622
			10	13°	14'			
			11	10°	17'			
			12	08°	10'			8014624
			13	05°	40'			
		9:58	14	02°	24'			
				00	00			8014626
				00	00			
				00	00			
				00	00			8014628
				99	55			
				00	00			
				00	00			8014614



Profile
Notes Red. Plotted
Job No. 03002 Division No. 11
No. Date Date Survey of HYDROGRAPHIC SURVEYS F.B. 3791 Pg. 233
X-Sec. Notes Ckd. Checked Survey by RICHARDS Notes T.G. Date 3-24-37
No. Date Date Map No. Indexed C.J. CALL 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. 3791 Pg. 234 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEYS 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.	Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	06			
				00	00			
				00	00			8014616
				37	17			
				36	49			
				32	01			8014636
				28	05			
				25	42			
				20	33			8014638
				19	22			
				11	56			
				06	13			8014640
				00	00			
				00	00			
				00	00			8014642
				80	05			
				00	00			
				00	00			8014644
				00	00			
				00	00			
				00	00			8014646

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.	804+00 21	RIGHT
T.B.M. 5G	6.3	13.0'		6.69	1x2 @ 801+46 42	TBM 5G
			7.5	55.		24° GR. CH.
			0.6	124.		52° Bot of BANK
			+13.4	26.4.		75° Top of BANK
			+14.3	27.3.		90° Ro. wy.
T.P. 804+00 21	-0.18	6.51.		6.69	T.P. 1x2 AT 801+46 42	
			3.0	3.5.		
			1.9	4.6.		13 RT MH 00.
			1.0	5.5.		22 RT BEGIN ROCKS
					GUN AT 801+46 42	SIGHT ON 804+00 21
			6.1	0.4.	∠ 1 11° 34'	
			7.8	-1.3.	2 28 28	
			10.1	-3.6.	3 45 25	
			12.3	-5.8.	4 61 40	
			15.3	-8.8.	5 72 15	
			17.4	-10.9.	6 77 21	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 3791 Pg. 235
X-Sec. No. ____ Date ____ Date ____ Survey of MALIBU AREA HYDRO.
Notes Chkd. ____ Checked ____ Survey by WILSON DREIER Notes ADAMS DREIER Date 3-24-67
No. ____ Date ____ Date ____ Map No. ____ Indexed L. J. ALLY Date ____

765420A - CE 353A - Cdb 9-62

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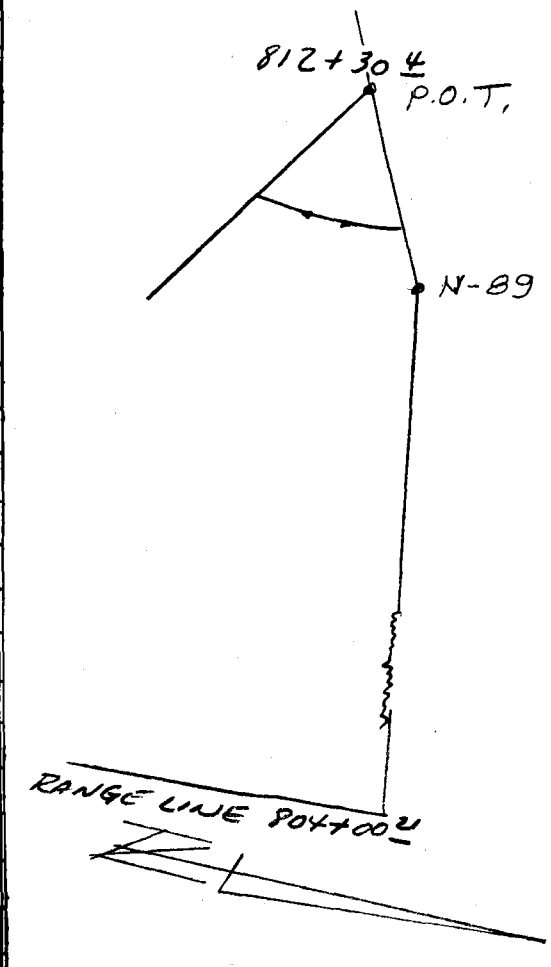
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 804+00.21

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					
812+30 ℄	N-89	10:22	1	42°	35'			
			2	40°	35'			
			3	38°	39'			8040018
			4	35°	36'			
			5	32°	35'			
			6	29°	30'			8040020
			7	25°	52'			
			8	22°	08'			
			9	18°	39'			8040022
			10	15°	25'			
			11	13°	06'			
			12	09°	46'			8040024
			13	08°	04'			
		10:25	14	04°	23'			
				00	00			8040026
				00	00			
				00	00			
				00	00			8040028



Profile
Notes Red. Plotted
No. Date Date
X-Sec. Notes Chkd. Checked
No. Date Date
Job No. 03000.02 Division No. 11
Survey of HYDROGRAPHIC SURVEYS
Survey by RICHARDS Notes J.G. Date 3-24-67
Map No. Indexed L.J. GALLI Date
F. B. 3791 Pg. 237

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

Do not extend notes this side of this line.

F. B. 3791 Pg. 238 Job No. 030002 Division No. 11 Notes Red. Date Plotted Date No. Profile
Survey of HYDROGRAPHIC SURVEYS Notes Chkd. Date Checked Date No. X-Sec.
Survey by RICHARDS Notes T. S. Date
Indexed

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					
				99	55			
				00	00			
				00	00			8040014
				00	00			
				00	00			
				00	00			8040016
				77	21			
				72	15			
				61	40			8040036
				45	25			
				28	28			
				11	34			8040038
				80	05			
				00	00			
				00	00			8040040
				00	00			
				00	00			
				00	00			8040042

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. 030002 Division No. 11
No. X-Sec. Date Date Survey of HYD. SURVEYS
Notes Chkd. Checked Survey by D.B. REIER Notes M-R. Date 3-24-67
No. Date Date Map No. Indexed C.J. GALLI Date
F.B. 3791 Pg. 239

STATION	B. S.	H. I.	F. S.	ELEV.	806+52 [Ep]	RIGHT
	7.4	16.0		861	TBM 5A FD CHISX" Rock	UNDER BLDG.
			62	98		13° Bot of Sea WALL
			28	132		14° TOP " "
			113	147		26° Bot. of BANK
			+127	287		28° Top of FLOOR BLDG
					DATUM MEAN LOWER LOW WATER	
	0.55	9.16		861.	"X" ON ROCK	
		4.6 4.6	29	63	4 FT. L. BASE OF ROCK ON SAND	
			46	46	19 " " M.H.W.	
			74	18	49	
T.P.	2.66	6.81	501	415	T.P.	GUN ON N-88 SIGHT N-87
			190	-122.	#1 56° 30	EST. 2 FT OVER
			161	- 93.	2 54 19	
			150	- 82.	3 50 36	ROCKY & BAD SURF
			161	- 93.	4 48 10	
			97	- 29.	5 29 47	

F.B. 3791 Pg. 240 Job No. 0300.02 Division No. 11 Notes Red ______ Plotted ______ Profile
Survey of MALIBU AREA HYDRO Date ______ Date ______ No. ______
Survey by DREIER Notes DREIER Notes Chkd. ______ Checked ______ X-Sec.
Indexed C. J. GALLI Date ______ Date ______ Date ______ No. ______

76-L-298 CE 307 2-63

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	806+52^79 L.	R.
					CONT	
					CUT GUN AT N-88, SIGHT ON N-87	
		6 81				
			85	-17.6	24° 17'	
			78	-10.7	21 12'	

[illegible]UM
MEAN LOWER LOW WATER

S420A - CE 353A - Cdb 9-62

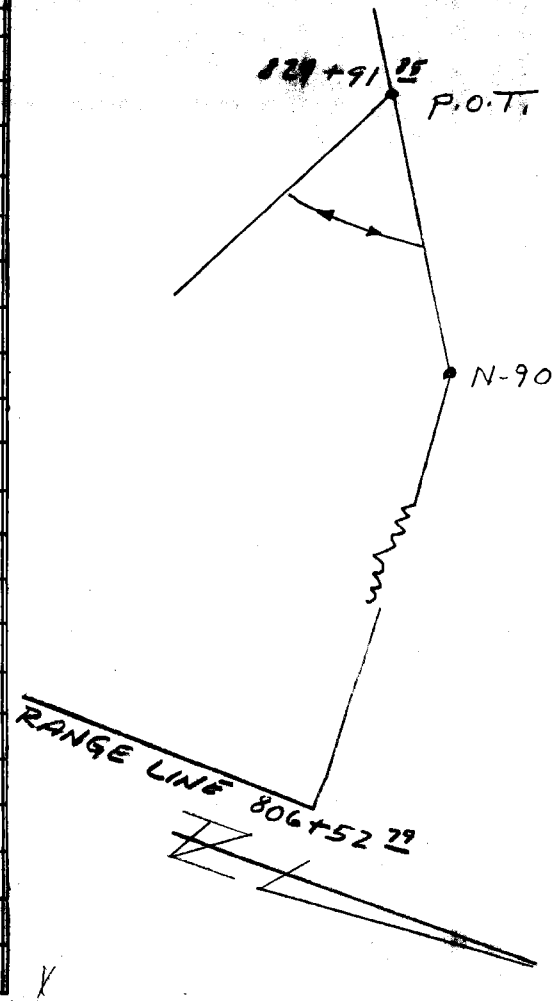
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 806+52.79

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+91.85	N-90	11:19	1	30°	11'			
			2	29°	01'			
			3	27°	10'			8065318
			4	25°	20'			
			5	23°	31'			
			6	21°	01'			8065320
			7	18°	57'			
			8	17°	05'			
			9	14°	43'			8065322
			10	13°	16'			
			11	12°	01'			
			12	11°	30'			8065324
			13	10°	37'			
			14	08°	20'			
		11:23	15	07°	07'			8065326
				00	00			
				00	00			
LAST LINE				00	00			8065328
				92	02			
				00	00			
				00	00			8065314



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 3791 Pg. 24
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEYS
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes J.G. Date 3-24-67
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GALLI Date ____

F. B. 3791 PG. 242 Job No. 030002 Division No. 11 Notes Red. ____ Plotted ____
Survey of HYD. SURVEYS Date ____ Date ____
Survey by RICHARDS Notes J. G. Notes Chkd. ____ Checked ____
Indexed C. J. GALLI Date ____ Date ____ Date ____

BOOK # 3791 CLOSED

SURVEY CONT. IN F.B. 3792

00	00	00	00	00	21	24	29	48	50	54	56	00	00	00	00	00	92	00	00
00	00	00	00	00	12	17	47	10	36	19	30	00	00	00	00	00	02	00	00
8065346			8065344			8065342			8065340			8065338			8065336			8065316	