Ck'd by

Survey of BEACH EROSION STUDIES
IN 0300.02 Tape — Std — °F
Surveyed by BAY
Notes BAY Date 1-15-62
Indexed H. E. OTT JAN 12 '62

F. B. 2809 PG. 5

J.N. 0300.02

EACH EROSION STUDIES

FROM

MONSTAD PIER (STA. 302+14)

TO

MALAGA COVE (STA. 428+19)

PAGE 95 CONT. FROM

F.B. 2808

1964 SURVEY JAN. 9-15, 1962

FSHORE:

Y (BOAT)
EN HALE
ERS SHOEMAKER
THER
ASHI
DEZ
BER

Microfilmed June '85

SHORE:

VD DREIER
GAULT MOODY
RO SMITH, N.
DODWIN WORKMAN
RODRIGUEZ KVAMMEN

F. B 2809 PG. 6

INDEX

CONT. FROM F.B. 2808

PGS. 7-12

S-26 = 367+44.11

PGS. 13-36

S-27 = 388+19.08

PGS. 37-78

S-28 = 422+48.48

PGS. 79-90

MALAGA COVE

S-29 = 430+81.09

~ END ~

NOT TO SCALE

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76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.				
		196.0						INSHORE
TP	977	183.3	604	135.6				363+00
363+00								
			49	134		CONTROL		LINE
			36	147	20° L.	B. BANK		
			66	117		BRK		40 R.
			105	78				70 R.
TP	010	793	1050	783	FOR SWING PARTY			70 R.
					GUN AT 358+00			SIGHT ON 5-26
			24	55	1	9°	13'	
			56	23	2	11	17	
			80	-01	3	13	03	
			100	-21	4	16	13	
			95	-16	5	18	40	
			93	-14	6	20	16	
			93	-14	7	23	28	
			98	-19	8	26	31	
			106	-27	9	28	30	
			113	-34	10	31	28	
			126	-47	11	34	57	CONT. ON NEXT PG

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300-02 Division No. 11 F.B. 2809 Pg. 7
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDY
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 6-14-62
Date ____ Date ____ Map No. ____ Index M. E. OTT DATE

F.B. 2809 Pg. 8

Job No. 03300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BENCH REGION STU DIES Date _____ Date _____ No. _____

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

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____

STATION	B.S.	H.I.	F.S.	ELEV
		7.93		
			1.45	-6.6
			1.68	-8.9
				12
				13
				37° 40'
				40° 08'

76L-298 CE 307 11-58

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76L298 307 Cdb 1-62

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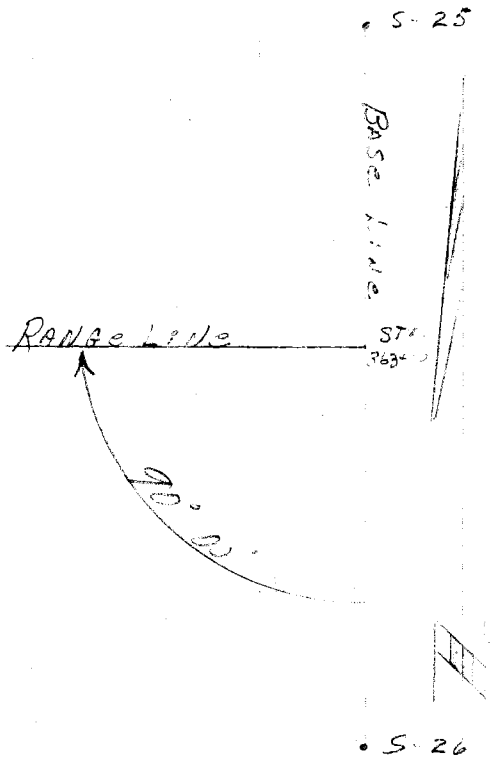
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'			
363+00	5-26	09:55	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
		09:58						



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 H. E. OTT Date

F. B. 2809 PG. 9

F. B. 2809 PG. 10 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Studies Date 1-12-62 Date _____ No. _____

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

Indexed H. E. OTT 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.
363700	S-26			90°	00'			
		BLANK						

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761298 307 Cdb 1-62

76L298 307 Cdb 1-62

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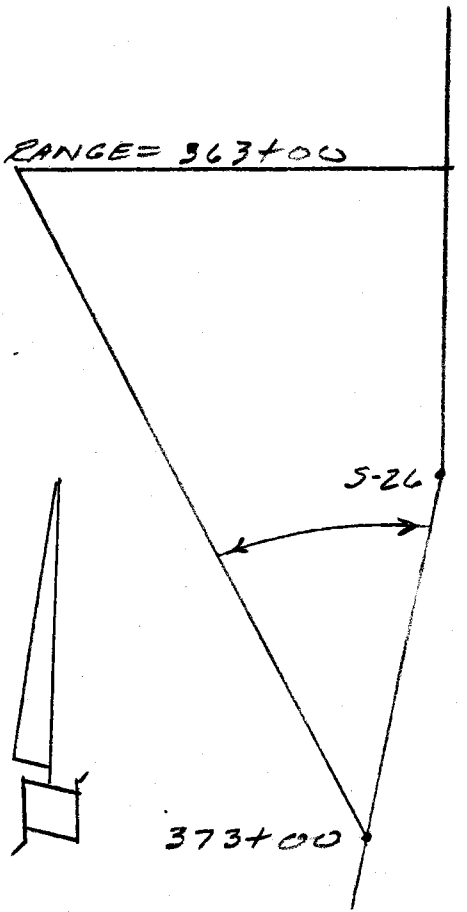
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
373+00	S-26	9:54	1	64.	40.			
			2	62.	51.			
			3	60.	41.			3630105
			4	58.	55.			
			5	56.	32.			
			6	54.	00.			3630106
			7	51.	14.			
			8	47.	26.			
			9	44.	12.			3630107
			10	40.	11.			
			11	37.	12.			
			12	34.	55.			3630108
			13	32.	44.			
			14	30.	00.			
			15	27.	12.			3630109
			16	25.	12.			
			17	22.	38.			
		9:58	18	20.	17.			3630110
				00.	00.			
				00.	00.			
				00.	00.			3630111



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03 0002 Division No. 11 F. B. 2809 Pg. 17
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
Notes Chkd. ____ Checked ____ Survey by BAC Notes BATTY Date 1-12-62
Date ____ Date ____ Map No. ____ Indexed H. F. OTT Date ____

F. B. 2809 PG. 12 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDIES | Date 1-12-62 | Date | No.

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

Indexed | Date | Date | Date | No.

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

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761298 307 Cdb 1-62

76L-298 CE 307 11.58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		18 33				INSHORE
T.P.	6 23	21 75	281	15 54		368 + 00
T.B.M #2	0 27	21 59	043	21 32	TBM #2 = 21.32 FD. 2	155
T.P.	4 91	20 59	591	15 68		
368 + 00			49	15 7	CONTROL	LINE
			37	16 9	L. B. BANK	
			90	11 6	BAR	40 R.
			121	8 5		70 R.
T.P.	332	11 81	1210	8 49	T.P. FOR SWIM PARTY	70 R.
			48	7 0	80 FT. RT. GUN SET AT 37	3+00 SIGHT ON 5-26
T.P.	240	7 55	666	5 15		92 ET RIGHT
			L			
			49	27	1 8° 55'	
			83	-07	2 14 16	
			95	-19	3 17 14	
			90	-14	4 20 00	
			85	-09	5 23 05	
			90	-14	6 26 29	
			100	-24	7 30 29	
			120	-44	8 36 28	CONT. NEXT PAGE

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 63-2 Division No. 11
X-Sec. ____ Date ____ Date ____ Survey of BEACH EROSION SURVEY
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 1-11-62
Date ____ Date ____ Map No. ____ Field H. E. OTT Bkd. ____

F.B. 2805 Pg. 13

F.B. 2809 PG. 14

Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BENCH [illegible] SPUR DIKES Date _____ Date _____ No. _____

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

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____

STATION	B. S.	H. I.	F. S.	ELEV
		755		
			142	-66.9
			165	-89.10
				41° 01'
				44° 20'
				CONT.

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76L-298 CE 307 11-58

76L298 307 Cdb 1-62

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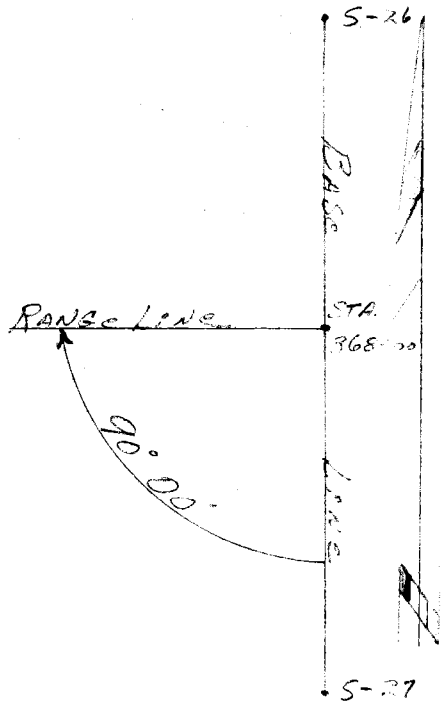
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00	DEG.	MIN.	
368+00	S-27	10:19	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
		10:22	18	"	"			
		10:27	19	"	"			
			20	"	"			



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2809 Pg. 12

No. ____ Date ____ Date ____ Survey of Beach Poison Studies

X-Sec. Notes Chkd. ____ Checked ____ Survey by Bev Notes Market Date 1-12-62

No. ____ Date ____ Date ____ Map No. ____ Index B. E. Ott Date ____

F. B. 2809 PG. 16 | Job No. 23002 Division No. 11 Notes Red. Plotted Profile

Survey of Beach Erosion Studies Date 1-12-62 Date No.

Survey by Bay Notes Mather Notes Chkd. Checked X-Sec.

Indexed H. E. OTT 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.
3/800	3-21		21	90°	00'			
			22	"	"			
			23	"	"			
			24	"	"			
		10:26						

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76L298 307 Cdb 1-62

76L298 307 Cdb 1-62

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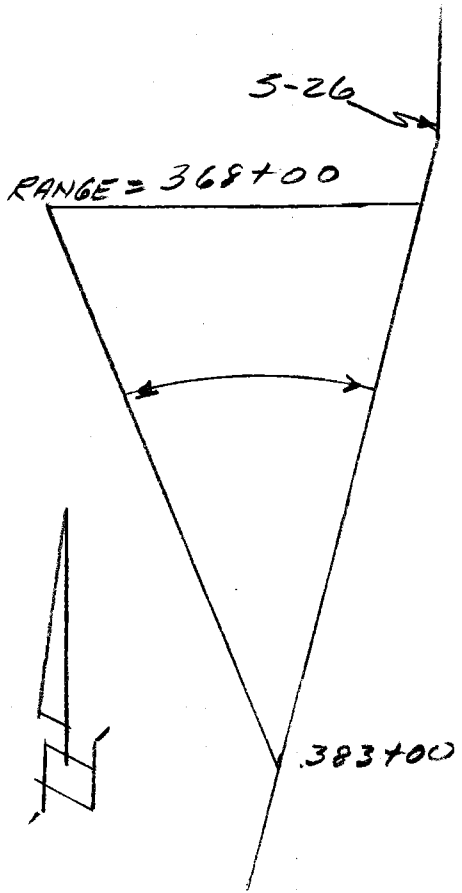
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
383+00	S-26	10:19	1	45.	30.			
			2	44.	08.			
			3	42.	34.			3680104
			4	40.	51.			
			5	39.	00.			
			6	37.	08.			3680105
			7	35.	00.			
			8	33.	30.			
			9	31.	15.			3680106
			10	28.	51.			
			11	26.	45.			
			12	25.	00.			3680107
			13	23.	25.			
			14	21.	37.			
			15	19.	52.			3680108
			16	18.	22.			
			17	16.	30.			
	END	10:22	18	15.	00.			3680109
	START	10:27	19	19.	45.			
			20	17.	55.			

over



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2899 Pg. 17
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of BEACH EROSION STUDIES Survey by ____ Notes ____ Date 1-12-62
Map No. ____ Indexed H. E. OTT Date ____

76L298 307 Cdb 1-62

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F. B. 2809 Pg. 18 | Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of BEACH EROSION STUDIES Date 1-12-62 Date

Survey by BAY Notes BAZEL Notes Chkd. Checked

Indexed H. E. OTT Date Date Date

Profile No. X-Sec. No.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
383+00	S-26		21	16.	08.			3680110
			22	13.	54.			
			23	12.	07.			
		10:28	24	11.	00.			3680111
				00.	00.			
				00.	00.			
				00.	00.			3680112
						90.	00.	
						00.	00.	
						00.	00.	3680113
						00.	00.	
						00.	00.	
						00.	00.	3680114

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		20 59				INSHORE
T.P.	4 47	18 40	66	13 93		373+00
T.P.	7 86	25 01	125	17 15		
TAM #2			369	21 32	TAM #2 R=21.32 F.B. 2100-155	
373+00			51	13 3	CONTROL	LINE
			33	15 1	40 L	
			15	16 9	70 L B. BANK	
			75	10 9	BRK	20° R.
			96	8 8		35° R
T.P	3 08	11 88	960	8 90	T.P. FOR SWIM PARTY	35° R.
			66	5 3		56 FT. R
T.P.	2 38	8 01	625	5 63		
					GUN AT 368+00	SIGHT ON S-27
			65	15	1 9° 58'	
			92	-12	2 12° 15	
			92	-12	3 16 16	
			90	-10	4 18 28	
			102	-22	5 21 30	
			106	-26	6 26 01	CONT. NEXT PG

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2500-16 Division No. 11
X-Sec. ____ Date ____ Date ____ Survey of Hawaii Ave-Sion Sta Part
Notes Chkd ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Index H. E. OTT Date ____

F.B. 2809 PG. 19

F.B. 2809 PG. 20 | Job No. 0300.02 | Division No. 11 | Notes Red | Plotted | Profile

Survey of BEACH EROSION STUDIES | Date | Date | No.

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

Indexed H. E. OTT | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV	
		801.	112	-32.	7 29° 46'
			139	-59.	8 33 36
			172	-92.	9 37 52

76L-298 CE 307 11-58

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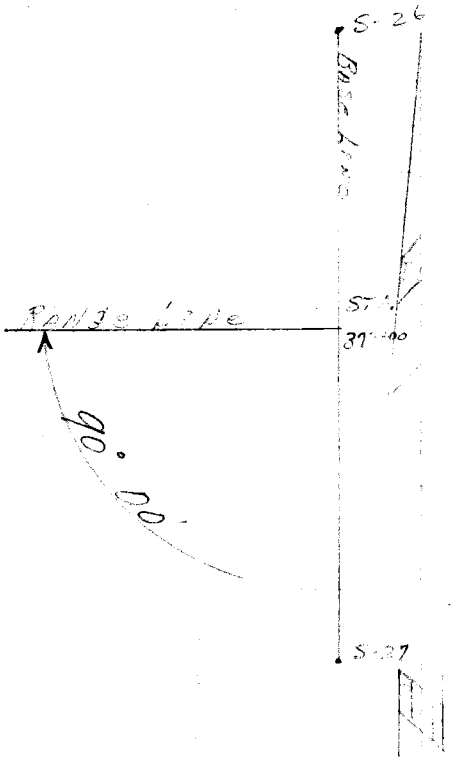
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'			
373+00	S-27	10:44	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14		"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
			20	"	"			



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of

X-Sec. Notes Chkd. Checked Survey by Notes

No. Date Date Map No. Index H. E. OTT Date Date

F. B. 2809 Pg. 31

F. B. 2809 PG. 22 | Job No. [illegible] Division No. K | Notes Red. | Plotted | Profile

Survey of Beach Erosion Studies | Date 1-12-62 | Date | No.

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

Indexed H. E. OTT | Date | Date | Date | No.

76L298 307 Cdb 1-62

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Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
273400	5-27		23	"	"			
			22	"	"			
		12:47						
			23	"	"			
				89°	00'			

76L298 307 Cdb 1-62

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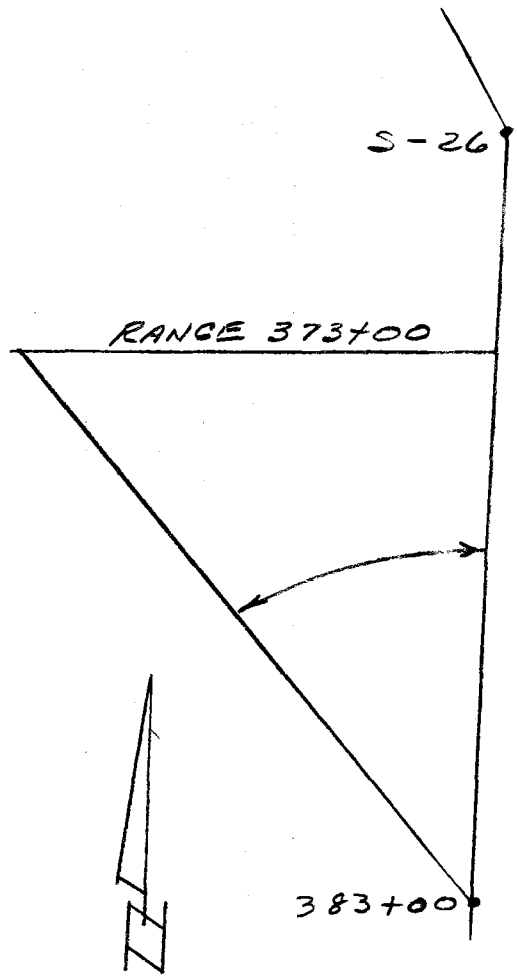
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
383+00	S-26	10:43	1	56.	10.			
			2	54.	05.			
			3	52.	17.			3730104
			4	50.	31.			
			5	48.	48.			
			6	47.	08.			3730105
			7	45.	05.			
			8	43.	47.			
			9	42.	30.			3730106
			10	41.	04.			
			11	39.	22.			
			12	37.	40.			3730107
			13	36.	29.			
			14	34.	34.			
			15	33.	15.			3730108
			16	31.	30.			
			17	29.	15.			
			18	26.	48.			3730109
			19	24.	40.			
			20	22.	28.			

over



Profile
Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 1-12-62
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2809 Pg. 23

76L298 307 Cdb 1-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No. (Don't Punch)	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
383400	S-26		21	19.	36.			3730110
			22	17.	12			
		10:47	23	16.	00.			
				00.	00.			3730111
				00.	00.			
				00.	00.			
				00.	00.			3730112
						90.	00.	
						00.	00.	
						00.	00.	3730113
						00.	00.	
						00.	00.	
						00.	00.	3730114

F. B. 2809 Pg. 24 | Job No. 030002 Division No. 11 | Notes Red. | Plotted | No. | Profile

Survey of BEACH EROSION STUDIES | Date 1-12-62 | Date | Checked | Date | No. | X-Sec.

Survey by BAY | Notes | Notes Chkd. | Date

Indexed H. E. OTT | Date

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
TBM #2	3 68	25 0 0		21 32	TBM #2 El = 21.32, FB. 2100 -155	
T.P.	5 69	22 0 5	8 64	16 36		1H SHORE
	4 88	18 9 9	7 94	14 11		378+00
378+00			49	14 1	CONTROL	LINE
			35	15 5	45 L.	
			23	16 7	60 L. B. BARR	
			63	12 7		20° R. BRIL
			133	5 7		60° R.
TP	0 25	5 9 4	13 30	5 69	T.P. FOR SWIM PARTY	60° R.
			38	21		80° R
					GUN AT 383+00	SIGHT ON 378+00
			54	0 5	1 10° 12	
			80	- 2 1	2 12 54	
			77	- 1 8	3 15 50	
			67	- 0 8	4 18 26	
			71	- 1 2	5 21 17	
			80	- 2 1	6 24 35	
			88	- 2 9	7 28 04	
			100	- 4 1	8 31° 29'	CONT. NEXT PG

Profile Notes Red ____ Plotted ____ Job No. 0700-02 Division No. 11
No. ____ Date ____ Date ____ Survey of Jerry Kaplan STA PIC
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] DRETER Date 1 15 72
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OT Date ____ Notes ____

F.B. 2805 Pg. 25

F.B. 2809 Pg. 26

Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of TRACT RIO SIDE STU DIES Date 1-15-62 Date _____ No. _____

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

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____

STATION	B. S.	H. I.	F. S.	ELEV
		594		
			110	-51.
			134	-75.
			163	-104.
			9	CONT.
			10	35° 26
			11	39 04
				42° 43'

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 1-62

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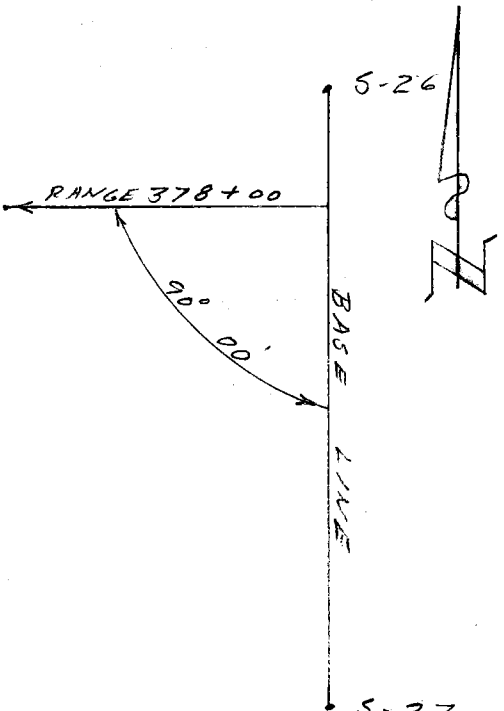
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'	DEG.	MIN.	
378+00	5-27	7:06	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
		7:10	20	"	"			



Profile Notes Red. ____ Plotted ____ Job No. 6300.02 Division No. 11 F. B. 2804 Pg. 27

No. ____ Date ____ Date ____ Survey of BEACH PROGRAM STUDIES

X-Sec. Notes Chkd. ____ Checked ____ Survey by BAY Notes BAY Date 1-15-62

No. ____ Date ____ Date ____ Map No. ____ Index H. E. OTT Date ____

F. B. 2809 PG. 28 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date 1-15-62 Date No.

Survey by BAY Notes BAY 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					

BLANK

Do not extend notes this side of this line.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 1-62

76L298 307 Cdb 1-62

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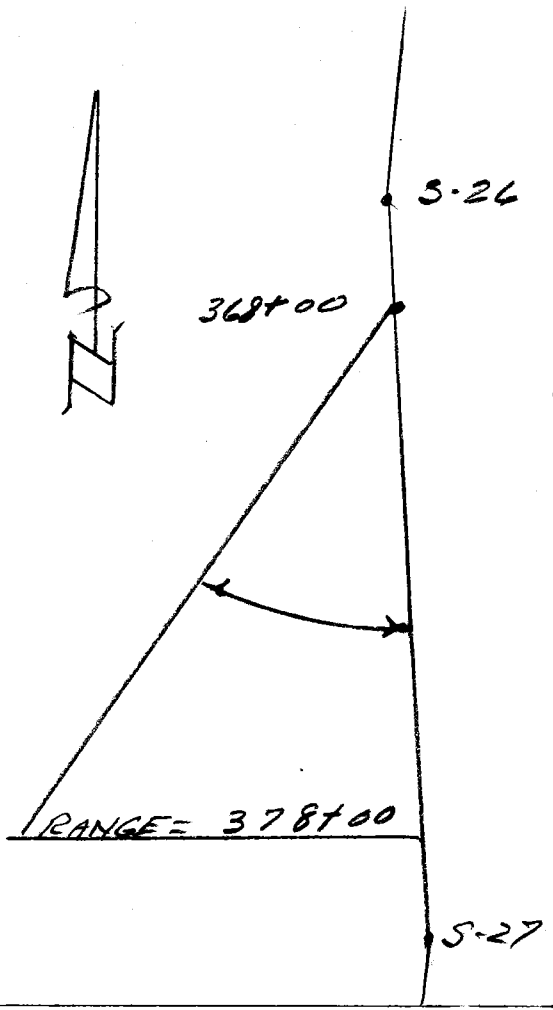
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
368+00	5-27	7:06	1	51.	54.			
			2	50.	04.			
			3	48.	10.			3780106
			4	45.	49.			
			5	43.	25.			
			6	41.	06.			3780107
			7	38.	38.			
			8	35.	48.			
			9	34.	00.			3780108
			10	32.	13.			
			11	29.	50.			
			12	28.	10.			3780109
			13	26.	06.			
			14	24.	18.			
			15	22.	10.			3780110
			16	20.	14.			
			17	18.	23.			
			18	16.	10.			3780111
			19	14.	00.			
		7:10	20	12.	12.			

over



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2809 Pg. 29
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION Notes BAY STUDIES
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by BAY Date 1-15-62
Map No. ____ Indexed H. E. OTT

F. B. 2809 PG. 30 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDIES | Date | Date | No.

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

Indexed | Date | Date | Date | No.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
				00.	00.			3780112
				00.	00.			
				00.	00.			3780113

Do not extend notes this side of this line.

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

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

76L298 307 Cdb 1-62

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		18 99				1H54012E
TP	525	18 92	532	13 67		383+00 S
383+00			51	138	CONTROL	LINE
			33	156	20 L. BAIL	
			22	167	50 L. B. BANK	
			67	122	BAIL	20° R.
			140	49		65° R.
TP.	103	595	1400	492	TP. FOR SWIM PARTY	65° R.
					GUN AT 388+00	SIGHT ON 383+00
			48	12	1 10° 17'	
			70	-10	2 14 06	
			75	-15	3 16 31	
			74	-14	4 19 37	
			71	-11	5 22 03	
			82	-22	6 26 20	
			83	-23	7 29 02	
			88	-28	8 32 28	
			108	-48	9 36 02	
			130	-70	10 39 08	
			151	-91	11 42° 13'	

Profile Notes Red. ____ Plotted ____ Job No. 0500.02 Division No. 11
No. ____ Date ____ Date ____ Survey of Hansen Erosion Structures
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Index H. E. OTT Date ____

F.B. 2809 PG. 31

F.B. 2809 Pg. 32 | Job No. 0300.02 | Division No. 11 | Notes Red | Plotted | Profile

Survey of BEACH EROSION STUDIES | Date | Date | No.

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

Indexed | Date | Date | Date | No.

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

BLANK

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L-298 CE 307 11-58

76L298 307 Cdb 1-62

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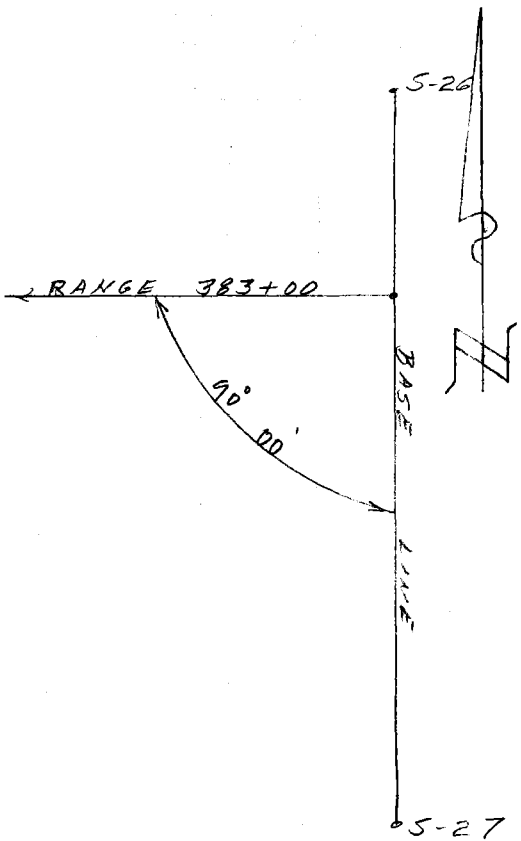
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'			
383+00	5-27	7:22	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
			20	"	"			



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2809 Pg. 33

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of BEACH EROSION STUDIES Survey by BAY Notes BAY Date 1-15-62

Date ____ Map No. ____ Index H. E. OTT Date ____

F. B. 2809 Pg. 34 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No.

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

Indexed H. E. OTT 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.
383+00	5-27	7:26	21	90°	00'			
				"	"			

Do not extend notes this side of this line.

761298 307 Cdb 1-62

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.

76L298 307 Cdb 1-62

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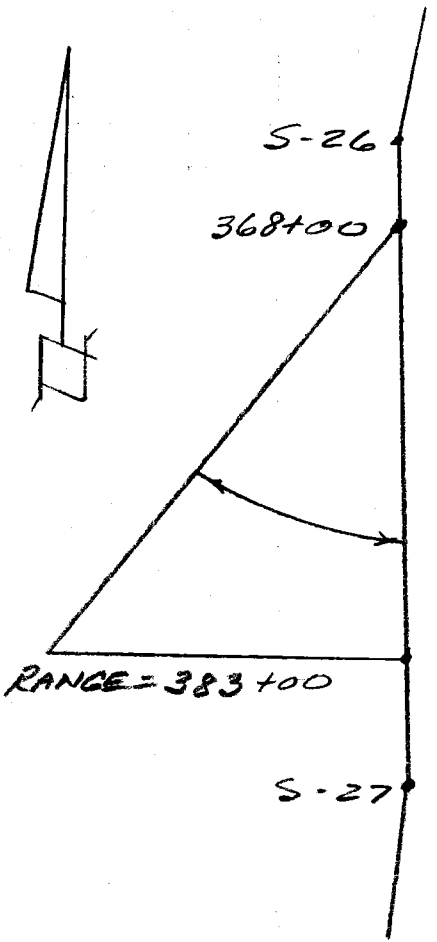
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
368+00	S-27	7:22	1	44.	51.			
			2	43.	08.			
			3	41.	25.			3830106
			4	39.	51.			
			5	38.	00.			
			6	35.	53.			3830107
			7	33.	37.			
			8	32.	06.			
			9	29.	08.			3830108
			10	27.	00.			
			11	25.	00.			
			12	22.	38.			3830109
			13	20.	32.			
			14	19.	00.			
			15	17.	24.			3830110
			16	16.	16.			
			17	14.	48.			
			18	13.	04.			3830111
			19	11.	30.			
			20	10.	00.			

over



Profile
No. Date Notes Red. Plotted Job No. 2301 Division No. 11
X-Sec. Date Date Survey of BEACH EROSION STUDIES
No. Date Notes Chkd. Checked Survey by Notes Date 1-15-62
Date Date Map No. Indexed H. F. OTT Date
F. B. 2809 Pg. 35

F. B. 2809 Pg. 36 | Job No. 0300.02 Division No. 4 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No.

Survey by BAY Notes BAZEN Notes Chkd. Checked X-Sec.

Indexed H. E. OTT 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.
		7.26	2	08.	56.			3830112
				00.	00.			
				00.	00.			
				00.	00.			3830113

Do not extend notes this side of this line.

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

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

761298 307 Cdb 1-62

76L-298 CE 307 11-58

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		18 92				INSHORE
	490	18 50	532	1360		388+00
388+00			51	134	CONTROL	LINE
			50	135	25° L. B. BANK	
			72	113		40 R.
			140	45		90 R. BRK
	1.8	618	1400	450	T.P. FOR SWIM PARTY	90 R.
					GUN AT 383+00 S.	SIGHT ON 388+00
			56	+06	(MEAS.)	105 FT RIGHT
			69	-07	1 15° 17'	
			67	-05	2 19 04	
			71	-09	3 22 30	
			84	-22	4 26 00	
			79	-17	5 27 54	
			86	-24	6 31 05	
			86	-24	7 34 21	
			95	-33	8 37 16	
			112	-50	9 40 13	
			132	-70	10 42 31	
			154	-92	11 45 24	
			171	-109	12 47 22	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 67000.02
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION Division No. 11
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ____ Notes ____ Date ____
Index H. E. OTT Date ____ Map No. ____ Date ____

F. B. 2809 PG. 37

F.B. 2809 Pg. 38

Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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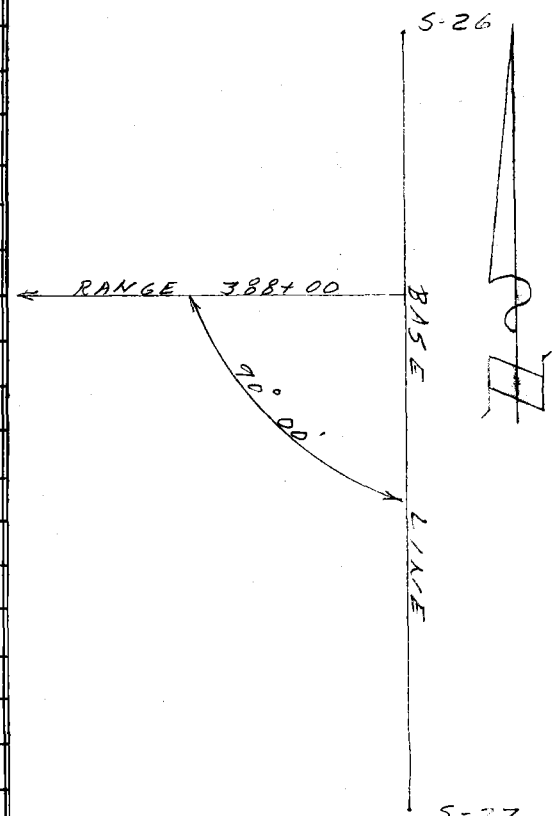
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend 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	90°	00			
388+00	S-27	7:36	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
			20	"	"			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2809 Pg. 34

No. Date Date Survey of BEACH EROSION STUDIES

X-Sec. Notes Chkd. Checked Survey by BAY Notes BAY Date 1-15-62

No. Date Date Map No. Indexed H. F. OTT Date

F. B. 2809 PG. 40 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No.

Survey by BAY H. E. OTT Notes BAY Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

761298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
388+00	5-27		21	90°	00'			
		7:40	22	"	"			

76L298 307 Cdb 1-62

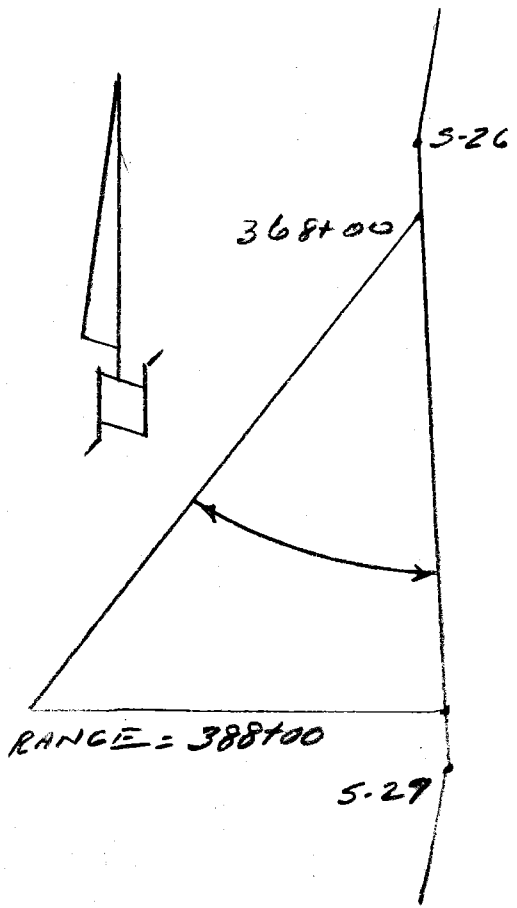
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
368+00	5-27	7:36	1	36.	10.			
			2	34.	25.			
			3	32.	52.			3880106
			4	31.	32.			
			5	29.	35.			
			6	28.	02.			3880107
			7	26.	31.			
			8	25.	13.			
			9	23.	37.			3880108
			10	22.	33.			
			11	20.	56.			
			12	19.	20.			3880109
			13	17.	34.			
			14	16.	10.			
			15	14.	35.			3880110
			16	13.	30.			
			17	12.	20.			
			18	11.	31.			3880111
			19	10.	58.			
			20	10.	03.			

over



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 03000L Division No. 11 F. B. 2809 Pg. 41
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of BEACH EROSION STUDIES
Date ____ Map No. ____ Date ____ Indexed ____ Survey by RAY Noted EARTH Date 1-15-62
H. E. OTT

76L298 307 Cdb 1-62

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2809 Pg. 42 | Job No. 03000 2 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDIES | Date | No.

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

Indexed H. E. OTT | Date | Date | Date | No.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	09.	07.			3880112
		7:40	22	07.	56.			
				00.	00.			
				00.	00.			3880113
				00.	00.			
				00.	00.			
				00.	00.			3880114

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		18.50				ASHORE
TP	511	17.89	573	12.77		393+19
393+19			41	138	CONTROL	LINE
			27	152	70° L. B. BANK	
			72	107		35 R. BRK
			134	45		80 R.
— TP	140	5.88	1340	448	TP. FOR SWIM PARTY	80 R.
					GUN AT 398+19 S	SIGHT ON 393+19 S
			49	10	1 12° 52'	
			60	-01	2 20 28	
			77	-18	3 25 26	
			76	-17	4 29 25	
			87	-28	5 33 31	
			94	-35	6 37 51	
			122	-63	7 43 20	
			155	-96	8 46° 28'	

Profile Notes Red ____ Plotted ____ Job No. 0300 Division No. 11 F.B. 2809 PG. 43
No. ____ Date ____ Date ____ Survey of Beach Erosion Study
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 1-5-62
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2809 PG. 44 Job No. 03-0.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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.

76L298 3D7 Cdb 1-62

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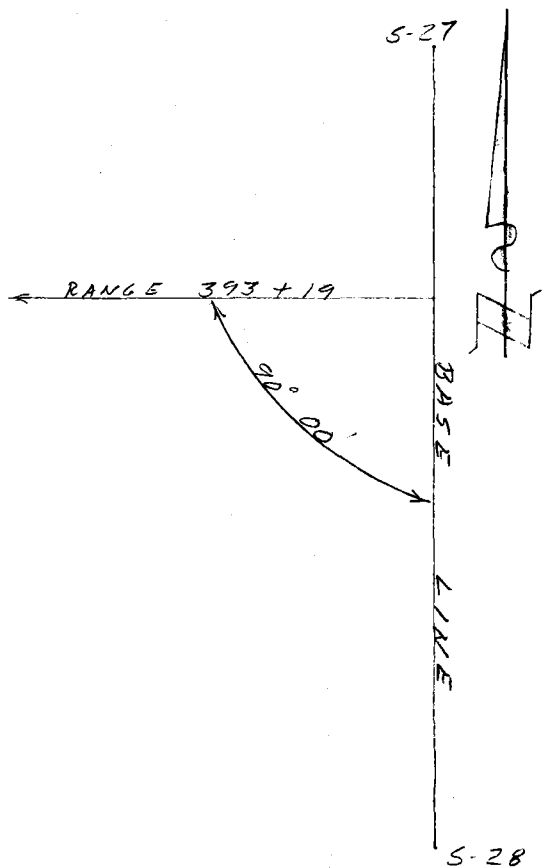
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'			
393+19	5-28	7:51	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
		7:54	16	"	"			
			17	"	"			
			18	"	"			
		7:55	19	"	"			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2866 Pg. 45

No. Date Date Survey of BEACH EROSION STUDIES

X-Sec. Notes Chkd. Checked Survey by BAY Notes BAY Date 1-15-62

No. Date Date Map No. Index H. E. OTT Date

F. B. 2809 Pg. 46 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

BLANK

Do not extend notes this side of this line.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761.298 307 Cdb 1-62

76L298 307 Cdb 1-62

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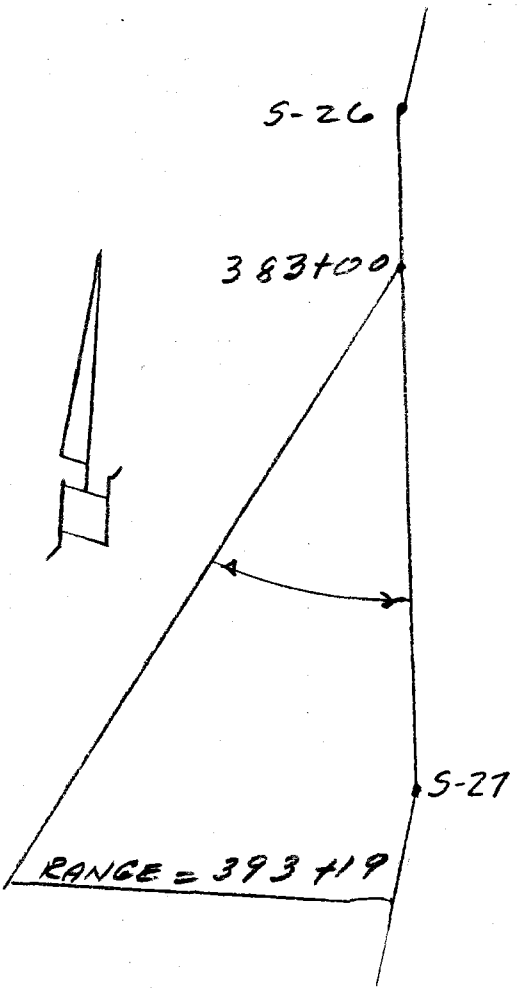
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
383+00	S-27	7:51	1	57.	30.			
			2	55.	34.			
			3	53.	24.			3932007
			4	51.	08.			
			5	48.	54.			
			6	46.	33.			3932008
			7	43.	53.			
			8	41.	13.			
			9	37.	46.			3932009
			10	35.	13.			
			11	33.	56.			
			12	30.	28.			3932010
			13	28.	00.			
			14	25.	38.			
			15	23.	28.			3932011
			16	21.	35.			
			17	25.	23.			
			18	22.	35.			3932012
		7:55	19	20.	15.			
			20	00.	00.			
				00.	00.			3932013

over



Profile
No. Date
X-Sec.
No. Date
Notes Red. Plotted
Notes Chkd. Checked
Date Date
Job No. 030002 Division No. 11
Survey of
Survey by
Map No. Index
Notes
Date 1-15-62
H. E. OTT
Date
F. B. 2800 Pg. 47

F. B. 2809 PG. 48 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No.

Survey by RAY Notes BAZEN Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
				00.	00.			
				00.	00.			
				00.	00.			393014

Do not extend notes this side of this line.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 1-62

76L-298 CE 307 11-58

CR#3

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		17 88				INSHORE
TP.	352	15 15	625	11 63		398+19
398+19			41	11 55	CONTROL	LINE
			03	154	25 L. B. BANK	
			72	84		40 R. BRK
			111	48		75 R.
- TP.	130	535	1110	40 55	TP. FOR SWIM PARTY	75 R.
					GUN AT 403+19 S.	SIGHT ON 398+19 S.
			48	06	1 11° 46	
			66	-12	2 16 01	
			54	00	3 19 53	
			56	-02	4 24 22	
			70	-16	5 27 28	
			76	-22	6 30 37	
			77	-23	7 33 58	
			87	-33	8 37 26	
			119	-65	9 42 44	
			143	-89	10 45 25	
			152	-98	11 46° 36'	

Profile Notes Red. ____ Plotted ____ Job No. 0320.01 Division No. 11 F.B. 2809 Pg. 49
No. ____ Date ____ Date ____ Survey of FLOOD EROSION STUDIES
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Index H. E. OTT Date ____

F.B. 2809 Pg. 50

Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 1-62

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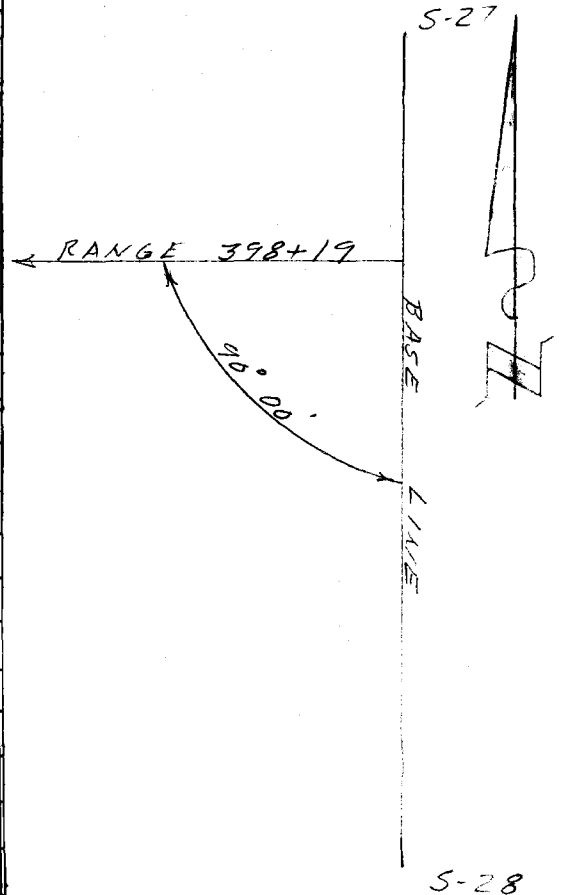
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'			
398+19	5-28	8:04	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
		8:08	18	"	"			



Profile Notes Red. Plotted Job No. 0300.07 Division No. 11 F. B. 2809 Pg. 41
No. Date Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by BAY Notes BAY Date 1-15-62
No. Date Date Map No. Index H. E. OTT Date

F. B. 2809 PG. 52 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

Survey by BAY Notes BAY 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.

DRAFT

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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.

761.298 307 Cdb 1-62

76L298 307 Cdb 1-62

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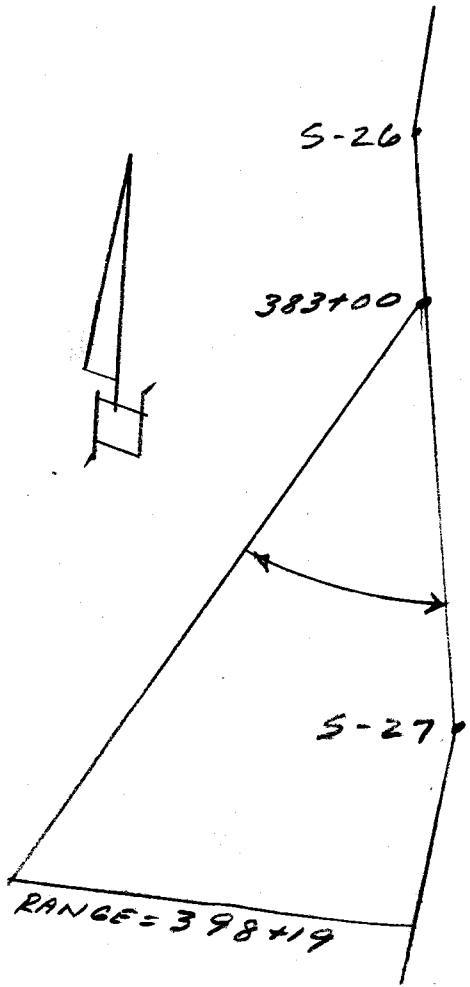
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
383+00	S-27	8:04	1	49.	22.			
			2	47.	39.			
			3	45.	35.			3982007
			4	43.	14.			
			5	41.	14.			
			6	38.	40.			3982008
			7	35.	49.			
			8	33.	02.			
			9	30.	27.			3982009
			10	27.	47.			
			11	26.	03.			
			12	24.	04.			3982010
			13	22.	16.			
			14	20.	58.			
			15	19.	25.			3982011
			16	18.	47.			
			17	18.	10.			
		8:08	18	16.	37.			3982012
			19	00.	00.			
			20	00.	00.			
				00.	00.			3982013



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03002 Division No. 11 F. B. 2809 Pg. 53
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by BAY Notes BAY Date 1-19-62
Map No. ____ Index E. OTT Date ____

F. B. 2809 PG. 54 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDIES | Date | Date | No.

Survey by BAY | Notes BAZEN | 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					

Blank

Do not extend notes this side of this line.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 1-62

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.		
		15 15				INSTRUME
T.P.	792	19 17	350	11 65		403+19
	917	25 22	312	16 05		
TP. # 1	500	27 00	322	22.00	T.P. # 1 = ELEV =	22.00
T.P.	013	16 26	10 87	16 13		
403+19			50	113	CONTROL	LINE
			20	143	25 L.	
		+	43	206	55 L.	
			93	70		45 R. BRK
			131	032		80 R.
T.P	281	5 97	1310	316	T.P. FOR SWIM PARTY	20 R.
					GUN SET AT 408+19 SIGHT ON 403+19	
			48	12	1 12° 32'	
			66	-06	2 16 25	
			88	-28	3 19 35	
			79	-19	4 22 46	
			79	-19	5 26 28	
			81	-21	6 29 46	
			85	-25	7 32 21	
			84	-24	8 35 24	CONT. ON NEXT PG.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 03001.02 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Checked ____ Survey of BERMUDA ESTATES Notes ____ Date ____
Notes Chkd. ____ Date ____ Survey by ____ Map No. ____ Index F. OTT Date ____

F.B. 2809 PG. 55

F.B. 2809 Pg. 56

Job No. 030-02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

Survey by LIND Notes LIND Notes Chkd. _____ Cbecked _____ X-Sec.

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____

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.

STATION	B.S.	H.I.	F.S.	ELEV		
		597.	97	-37.	9	38° 13'
			112	-52.	10	41 16
			140	-80.	11	44° 51'.
			152	-92.	12	?
						CONT.

76L298 307 Cdb 1-62

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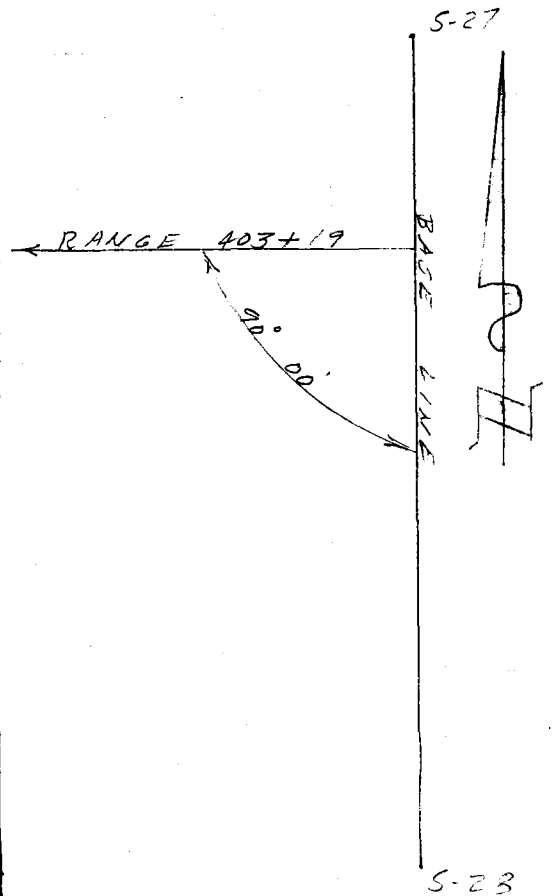
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
403+19	5-28	8:21	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
			20	"	"			



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2806 Pg. 57

No. Date Date Date Survey of BEACH EROSION STUDIES

X-Sec. Notes Chkd. Checked Survey by RAY Notes TAK Date 1-15-62

No. Date Date Map No. Indexed H. E. OTT Date

F. B. 2809 PG. 58 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed H. E. OTT 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.
403+19	5-28	8:25	21	90°	00'			
				"	"			

Do not extend notes this side of this line.

761.298 307 Cdb 1-62

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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.

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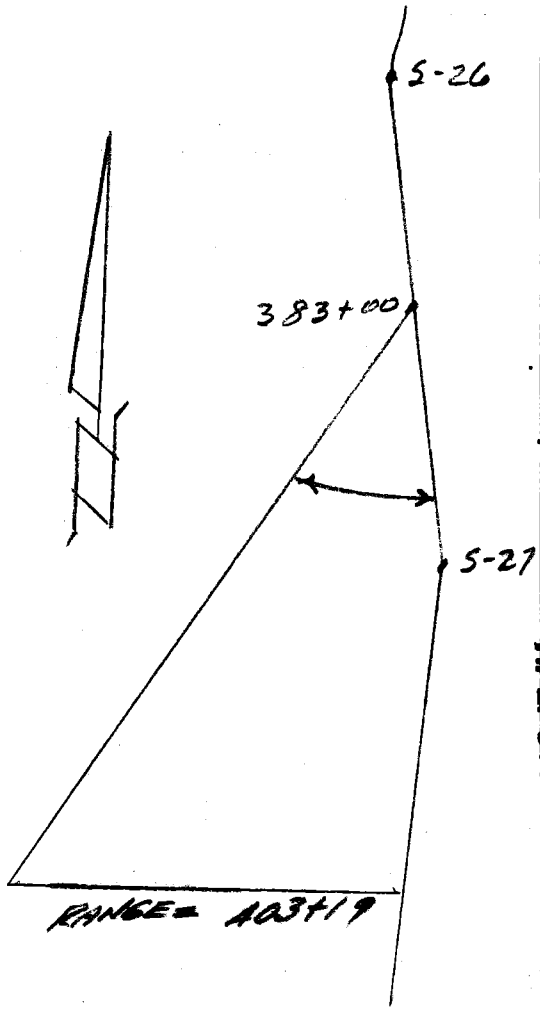
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
383+00	S-27	8:21	1	42.	16.			
			2	41.	04.			
			3	39.	33.			4032007
			4	38.	03.			
			5	36.	28.			
			6	34.	40.			4032008
			7	33.	14.			
			8	31.	04.			
			9	29.	43.			4032009
			10	27.	55.			
			11	25.	46.			
			12	24.	08.			4032010
			13	22.	03.			
			14	20.	16.			
			15	19.	00.			4032011
			16	17.	31.			
			17	16.	16.			
			18	15.	05.			4032012
			19	13.	57.			
			20	12.	48.			



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 3300.02 Division No. 1 F. B. 2800 Pg. 57
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of BEACH EROSION STUDIES Survey by BAY Notes BAKER Date 1-15-62
Map No. ____ Date ____ Index H. E. OTT Date ____

OVER

F. B. 2809 PG. 60 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDIES | Date | Date | No.

Survey by BAY H. E. OTT | Notes J. BAZEN | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

761298 307 Cdb 1-62

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

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

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
		8:25	21	11.	45.			4032013
				00.	00.			
				33.	00.			
				30.	00.			4032014

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.			
		16 26					INSHORE
T.P.	260	14 36	450	11 76			408+19
408+19			40	10 4		CONTROL	LINE
			00	14 4	20	L.	
		+	40	18 4	40	L.	
			63	81			75° R. BRK
			103	41			65° R. BRK
			120	24			110 R.
T.P.	274	5 10	1200	236	T.P. FOR SWIM PARTY		110 R.
					GUN AT 413+19 S		SIGHT ON 468+19 S
			42	09	1	16°	00'
			48	63	2	21	03
			55	-04	3	25	00
			63	-12	4	28	53
			71	-20	5	31	55
			74	-23	6	34	51
			81	-30	7	38	35
			105	-54	8	42	25
			129	-78	9	46	35
			156	-105	10	49	43

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2809 Pg. 61
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Index ____ Date ____

0700.02

H. F. OTT

F. B. 2809 PG. 62 Job No. 6300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L-298 CE 307 11-58

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76L298 307 Cdb 1-62

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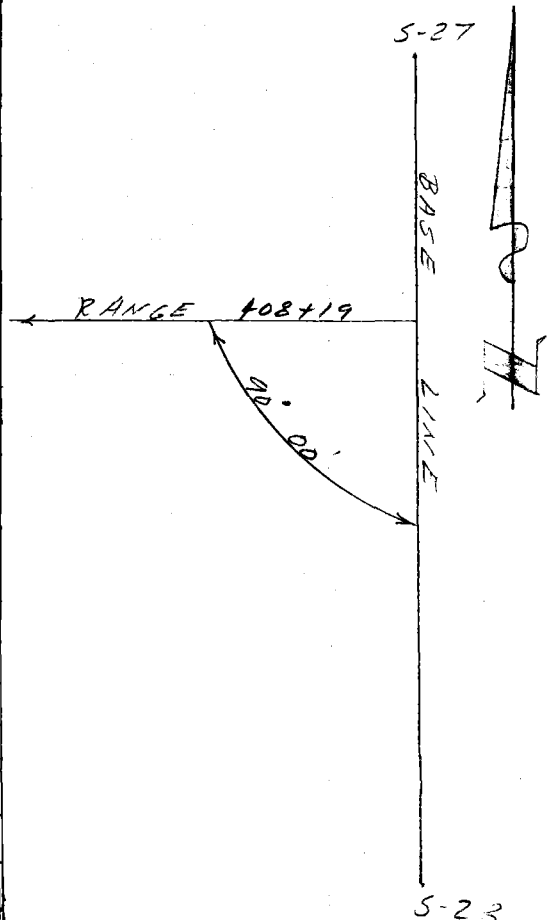
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'			
408+19	S-28	8:34	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
			20	"	"			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 28849 Pg. 12
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
Notes Chkd. ____ Checked ____ Survey by BAY Notes BAY Date 1-15-62
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2809 PG. 64 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No.

Survey by ~~RAY~~ H. E. OTT Notes BAY Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No. Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
40874	5-28		21	90°	00			
			22	"	"			
		8:38	23	"	"			

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.

761.298 307 Cdb 1-62

76L298 307 Cdb 1-62

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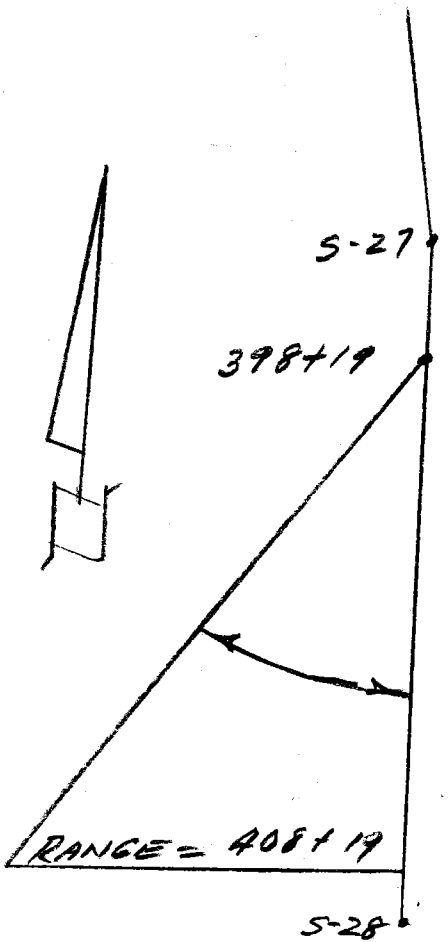
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
398+19	5-28	8:34	1	60.	00.			
			2	58.	32.			
			3	57.	00.			4082006
			4	55.	39.			
			5	53.	46.			
			6	52.	00.			4082007
			7	50.	23.			
			8	48.	21.			
			9	46.	08.			4082008
			10	44.	04.			
			11	41.	35.			
			12	38.	38.			4082009
			13	36.	06.			
			14	33.	51.			
			15	32.	18.			4082010
			16	30.	12.			
			17	28.	37.			
			18	26.	36.			4082011
			19	24.	33.			
			20	22.	49.			

over



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Date ____ Job No. 03000.02 Division No. 11 F. B. 28000 Pg. 65

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of REACH EROSION STUDIES Survey by ____ Map No. ____ Index ____ Notes H. E. OTT Date 1-15-62

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	20.	42.			4082012
			22	18.	48.			
		8:38	23	17.	00.			
				00.	00.			4082013
				00.	00.			
				00.	00.			
				00.	00.			4082014

F. B. 2809 Pg. 66 Job No. 030002 Division No. 11 Notes Red. Plotted. Profile

Survey of EROSION STUDIES Date Date No. X-Sec.

Survey by BAY Notes BAZEN Notes Chkd. Checked

Indexed H. E. OTT Date Date Date No.

76L-298 CE 307 11-58

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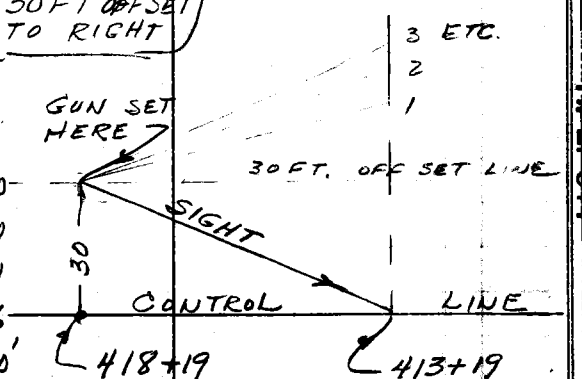
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		1436				1454 circle
T.P.	0 97	11 30	403	10 33		413+19
413+19			12	10 1	CONTROL	LINE
			03	11 0	20° L. B. BANK	
			64	49		40° R.
			79	34		70° R.
			92	21		100° R.
T.P.	234	444	920	21 0	T.P. FOR SWIM PARTY	100° R.
					GUN AT (418+19 30 FT OFFSET TO RIGHT)	SIGHT ON 413+19
			38	06	1 15° 16'	
			45	-01	2 19 18	
			52	-08	3 24 21	
			62	-18	4 28 22	
			72	-28	5 33 20	
			75	-31	6 37 10	
			83	-39	7 40 41	
			112	-68	8 45 16	
			147	-103	9 48° 50'	



Profile Notes Red ____ Plotted ____ Job No. 700.02 Division No. 11
No. ____ X-Sec. ____ Date ____ Date ____ Survey of HEAVY EROSION STD BIES
No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ____ Date ____ Notes ____ Date ____
Date ____ Map No. ____ Index H. E. OTT Date ____

F.B. 2809 PG. 67

F.B. 2809 Pg. 68

Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L-286 CE 307 11-58

76L298 307 Cdb 1-62

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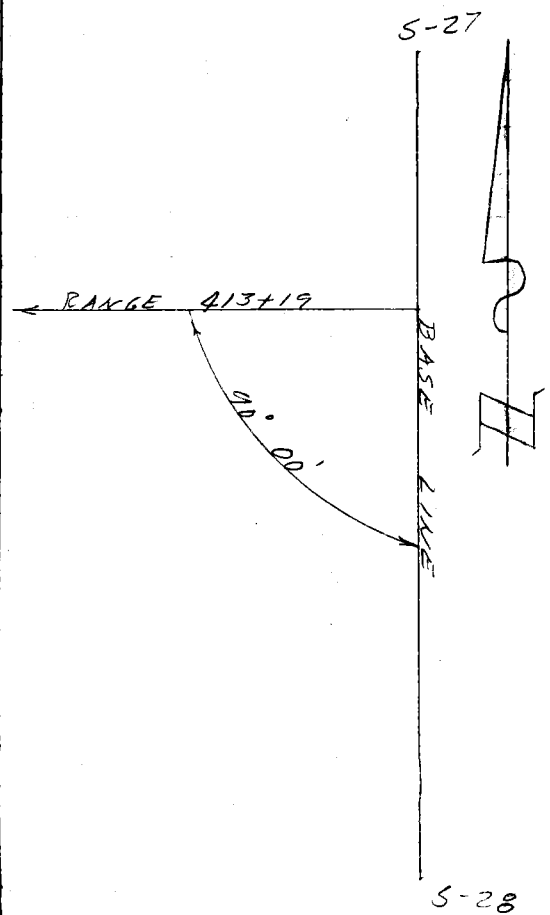
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'			
413+19	5-28	8:51	1	"	"			
			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
			20	"	"			



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 0300.07 Division No. 11 F. B. 1808 Pg. 62
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of BEACH EROSION STUDIES
Survey by RAY Notes RAY Date 1-15-62
Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2809 PG. 70 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
4/3+19	5-28		21	90°	00			
			22	"	"			
			23	"	"			
			24	"	"			
			25	"	"			
			26	"	"			
			27	"	"			
			28	"	"			
			29	"	"			
		8.56	30	"	"			

76L298 307 Cdb 1-62

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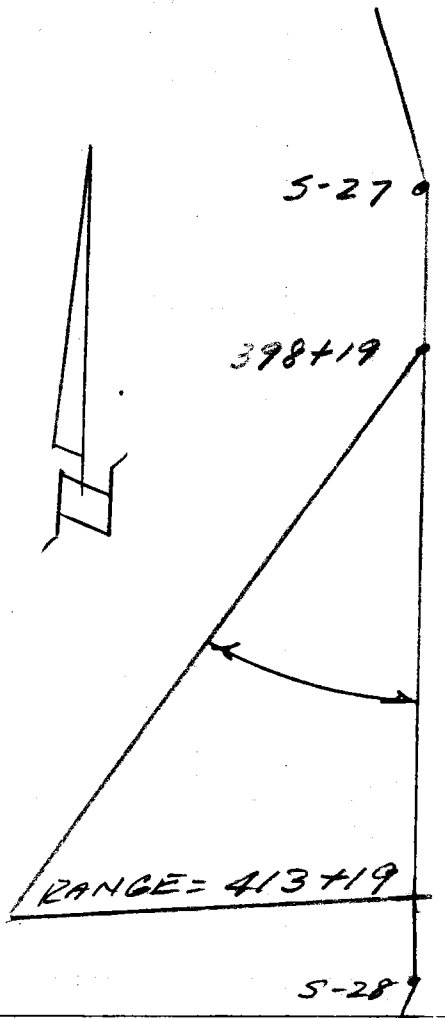
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
398+19	5-28	8:51	1	52.	25.			
			2	51.	22.			
			3	50.	15.			4132006
			4	49.	16.			
			5	48.	18.			
			6	47.	18.			4132007
			7	46.	09.			
			8	44.	45.			
			9	43.	14.			4132008
			10	42.	05.			
			11	40.	38.			
			12	38.	50.			4132009
			13	37.	12			
			14	35.	21.			
			15	33.	43.			4132010
			16	31.	42.			
			17	29.	50.			
			18	27.	51.			4132011
			19	26.	04.			
			20	24.	51.			

over



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2800 Pg. 71
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
Notes Chkd. ____ Checked ____ Survey by ____ Notes BAKER Date 1-15-62
Date ____ Date ____ Map No. ____ Index H. E. OTT Date ____

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	23.	32.			4132012
			22	22.	25.			
			23	21.	36.			
			24	20.	30.			4132013
			25	19.	07.			
			26	17.	50.			
			27	16.	30.			4132014
			28	15.	12.			
			29	13.	57.			
		8:56	30	12.	20.			4132015
				00.	00.			
				00.	00.			
				00.	00.			4132016

F. B. 2809 Pg. 72 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No. X-Sec.

Survey by BAY Notes BAZEN Notes Chkd. Checked

Indexed H. E. OTT. Date Date Date No.

76L-298 CE 307 11-58

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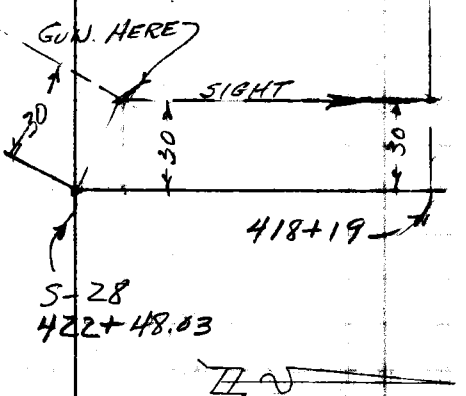
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		11 30				IN SHORE
TP.	457	11 33	454	676		418+49
					BEGIN 30.00 OFFSET LINE	
418+19			50	63	30.00 OFF SET LINE	
			38	75	7° L. PART. OF CURVE	
			81	32		45 R.
			99	14		90 R.
TP.	322	465	990	143	TP. FOR SWING PARTY	90 R.
					GUN AT S-28, 30 FT OFFSET TO RIGHT (W.) SIGHT ON 418+19 30 FT OFF. RT.	
			45	01	1 18° 08	
			53	-07	2 23 35	
			63	-17	3 28 41	
			67	-21	4 33 00	
			70	-24	5 37 45	
			88	-42	6 41 01	
			105	-59	7 45° 33	
			123	-77	8 49° 02'	
			132	-86	9 51 22	
			139	-93	10 53 57	
			152	-106	11 54 47	



Profile Notes Red ____ Plotted ____ Job No. 0300-2 Division No. 11
No. ____ X-Sec. ____ Date ____ Date ____ Survey of BEACH AND SUN STA DIST
No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 1-15-52
Date ____ Date ____ Map No. ____ Index H. E. OTT Date ____

F.B. 2809 PG. 73

F. B. 2809 PG. 74 Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L-288 CE 307 11-58

76L298 307 Cdb 1-62

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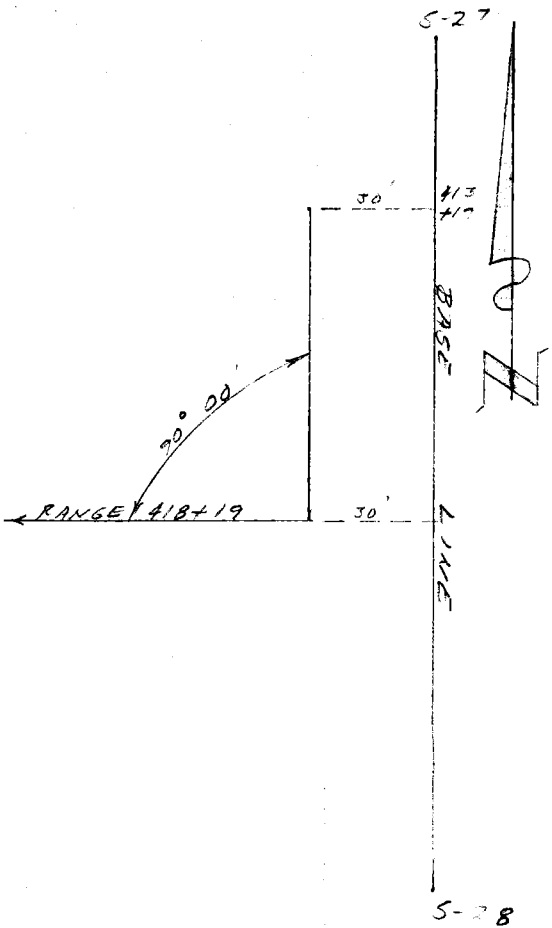
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	90°	00'			
418+19	5-28	9:07	1	"	"			
30' OFFSET			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
			20	"	"			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0320.02 Division No. 11 F. B. 5844 Pg. 75

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of BEACH EROSION Survey by BAY Notes BAY Date 1-15-62 Map No. ____ Indexed H F OTT Date ____

F. B. 2509 Pg. 76 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No.

Survey by BAY H. E. OTT Notes BAY Notes Chkd. Checked X-Sec.

Indexed Date 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.
4137+12	5-28		21	"	"			
30' OFFSET		9:11	22	"	"			

Do not extend notes this side of this line.

76L298 307 Cdb 1-62

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.

76L298 307 Cdb 1-62

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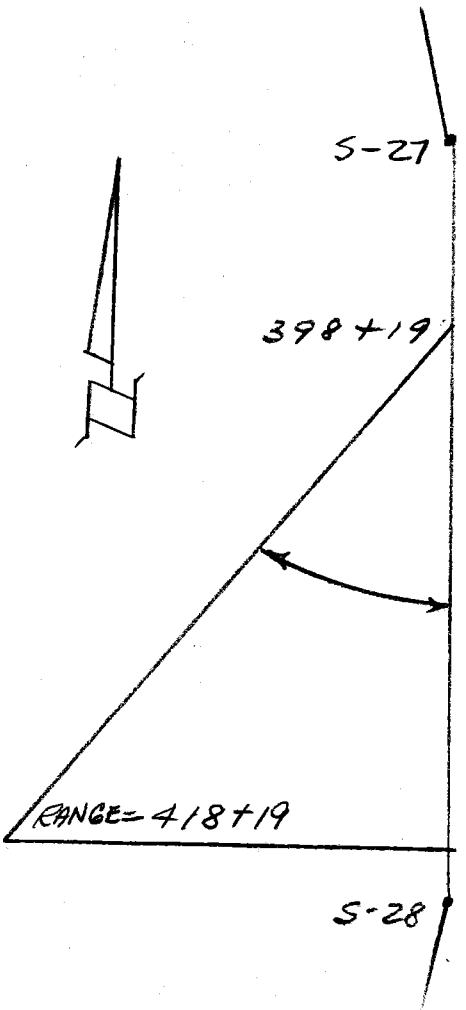
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
398+19	S-28	9:07	1	40.	40.			
			2	39.	38.			
			3	38.	21.			4182006
			4	36.	38.			
			5	34.	39.			
			6	33.	08.			4182007
			7	31.	19.			
			8	29.	42.			
			9	27.	40.			4182008
			10	25.	41.			
			11	23.	45.			
			12	21.	44.			4182009
			13	19.	40.			
			14	17.	54.			
			15	16.	30.			4182010
			16	15.	30.			
			17	14.	20.			
			18	13.	25.			4182011
			19	11.	41.			
			20	11.	18.			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03000.02 Division No. 11 F. B. 2809 Pg. 77
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
Notes Chkd. ____ Checked ____ Survey by BAY Notes BAY Date 1-15-62
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L298 307 Cdb 1-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	09.	48.			4182012
		9:11	22	09.	05.			
				00.	00.			
				00.	00.			4182013
				00.	00.			
				00.	00.			
				00.	00.			4182014

F. B. 2509 Pg. 78 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date No.

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

Indexed H.E. OTT Date Date No.

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.			
		11 33					INSHORE
T.P.	408	10 48	493	6 40			423+19
423+19			40	6 5	30 OFF SET LINE		
			00	10 5	25° L. B. CLIMP		
			70	3 5			40 R. (OF 30 FT OFFSET)
			85	20			80 R. "
— TP	245	443	850	198	TP. FOR SWIM PARTY		80 R. "
					GUN SET ON 428+19, 30 FT. OFFSET RT.		
					SIGHT ON 423+19, 30 " " "		
			37	07	1	13°	30'
			55	-11	2	21	20
			70	-26	3	29	38
			72	-28	4	35	40
			115	-71	5	43	00
			111	-67	6	46	44
			110	-66	7	51	03
			126	-82	8	55	25
			147	-103	9	58°	09'

ROCK BOTTOM

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2807 Pg. 79
No. X-Sec. Date ____ Date ____ Survey of BEACH RECREATION STUDIES
No. ____ Notes Chk'd ____ Checked ____ Survey by ____ Note H. L. OTT Date 1-3-62
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2809 Pg. 80

Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH BROSHOW STUDIES Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L-298 CE 307 11-58

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76L298 307 Cdb 1-62

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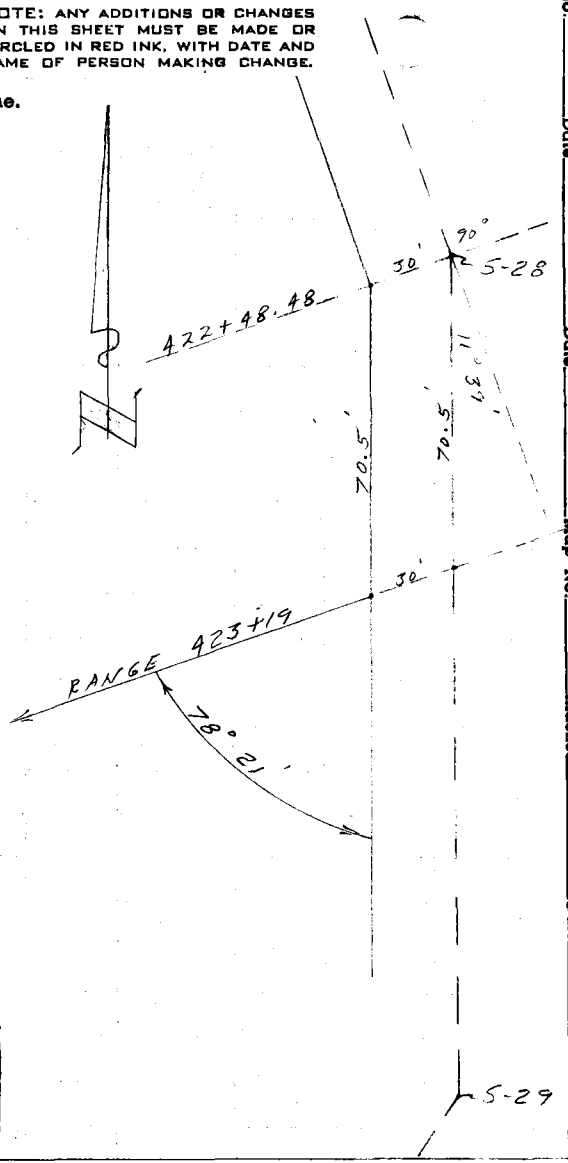
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	78°	21'			
423+19	5-29	9:59	1					
30' OFFSET			2					
			3					
			4					
			5					
			6					
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2809 Pg. 01

No. Date Date Survey of BEACH EROSION STUDIES

X-Sec. Notes Chkd. Checked Survey by BAY Notes BAY Date 1-15-62

No. Date Date Map No. Indexed H. E. OTT Date

F. B. 2809 Pg. 82 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDIES | Date | Date | No.

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

Indexed H. E. OTT | Date | Date | Date | No.

761298 307 Cdb 1-62

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Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
423+19	5-29		21	78°	21'			
30' OFFSET		10:03	22	"	"			

76L298 307 Cdb 1-62

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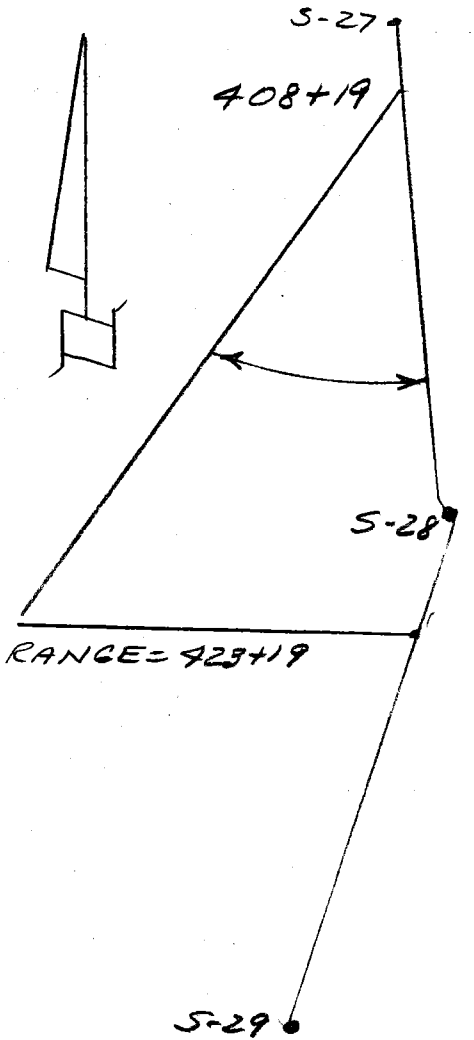
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
408+19	5-28	9:59	1	52.	30.			
			2	51.	15.			
			3	49.	39.			4232007
			4	48.	08.			
			5	46.	36.			
			6	44.	45.			4232008
			7	42.	55.			
			8	41.	00.			
			9	38.	48.			4232009
			10	36.	43.			
			11	34.	30.			
			12	32.	17.			4232010
			13	30.	18.			
			14	28.	34.			
			15	26.	26.			4232011
			16	24.	00.			
			17	21.	54.			
			18	19.	38.			4232012
			19	17.	39.			
			20	15.	46.			

over



Profile Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11 F. B. 2809 Pg. 83
No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 1-15-62
No. ____ Date ____ Date ____ Map No. ____ Indexed F. OTT Date ____

76L298 307 Cdb 1-62

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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.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	13.	40.			4232013
		10:03	22	12.	32.			
				00.	00.			
				00.	00.			4232014
				00.	00.			
				00.	00.			
				00.	00.			4232015

F. B. 2869 Pg. 84 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of BEACH EROSION STUDIES Date Date No.
Survey by H. E. OTT Notes BAZEN Notes Chkd. Checked X-Sec.
Indexed Date Date Date No.

76L-298 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		10 48				INSHORE
T.P.	488	9 60	576	472		428+19
T.P.	487	9 59	488	472		
T.P.	746	12 47	458	501		
T.P.	754	17 85	216	10 31		
T.P.	1036	27 13	108	1677		
T.B.M #1			513	22 00	T.B.M #1 EL= 22.00.	
423+19			52	44	30.00 OFF SET LINE	
			38	58	20 L. BLDG	
			10	106	50 L. R. CLIFF	
			68	28		40° R
			85	11		85 R.
T.P.	228	3 88	800	10	T.P FOR SWIM PARTY	85 R.
					GUN AT 423+19 30FT OFFSET	
					SIGHT ON 428+19, 30FT. OFFSET	
			37	02	1 14° 02'	SCATTERED ROCKS
			48	-09	2 17 48	
			54	-15	3 22 30	
			62	-23	4 25 45	
			76	-37	5 28 40	
			90	-51	6 32 17	CONT. NEXT PAGE

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0360.02 Survey of BEACH EROSION STUDIES Survey by Map No. Division No. 1 Indexed H. E. Date Notes Date 1-12-62

F.B. 2809 Pg. 85

F.B. 2809 Pg. 86

Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of PEACH KELLSION STUDIES Date _____ Date _____ No. _____

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

Indexed H. E. UIT Date _____ Date _____ Date _____ No. _____

STATION	B.S.	H.I.	F.S.	ELEV	
		388.			
			95	-56.	7 36° 08'
			107	-68.	8 38 41
			114	-75.	9 40 42
			123	-84.	10 42 50
			135	-96.	11 44 36
			153	-114.	12 45 29
			135	-96.	13 46 38

76L-298 CE 307 11-58

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76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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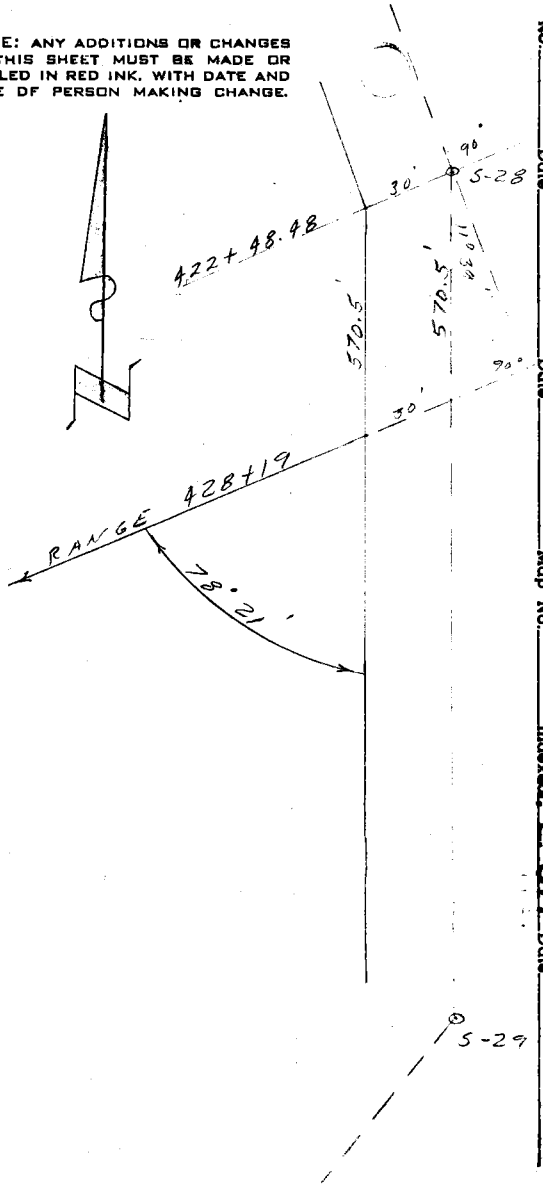
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	78°	21'			
428+19	S-29	10:16	1	"	"			
30' OFFSET			2	"	"			
			3	"	"			
			4	"	"			
			5	"	"			
			6	"	"			
			7	"	"			
			8	"	"			
			9	"	"			
			10	"	"			
			11	"	"			
			12	"	"			
			13	"	"			
			14	"	"			
			15	"	"			
			16	"	"			
			17	"	"			
			18	"	"			
			19	"	"			
			20	"	"			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.37 Division No. 11 F. B. 2809 Pg. 87

X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION STUDIES

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by BAY Notes BAY Date 1-15-62

Map No. ____ Indexed E. OTT Date ____

F. B. 2809 PG. 88 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

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

Indexed H. E. OTT 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.
428+19	5-29		21	78°	21'			
30' OFFSET			22	"	"			
			23	"	"			
		10:20	24	"	"			

Do not extend notes this side of this line.

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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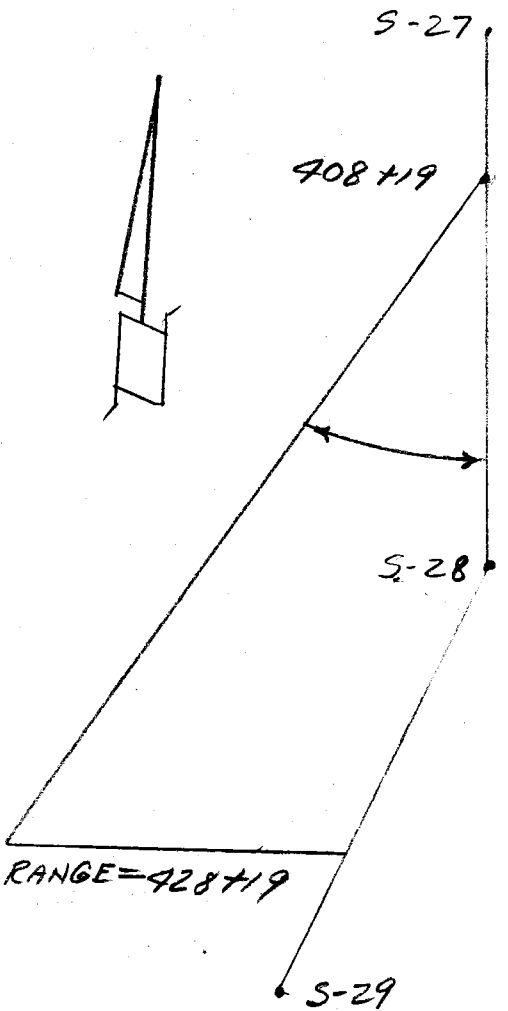
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
408+19	S-28	10:16	1	46.	05.			
			2	44.	46.			
			3	43.	18.			4282007
			4	42.	16.			
			5	40.	45.			
			6	39.	25.			4282008
			7	37.	51.			
			8	36.	12.			
			9	34.	38.			4282009
			10	32.	49.			
			11	31.	12.			
			12	29.	36.			4282010
			13	27.	46.			
			14	25.	44.			
			15	24.	00.			4282011
			16	22.	35.			
			17	21.	28.			
			18	20.	15.			4282012
			19	19.	24.			
			20	18.	07.			

over



Profile Notes Red. Plotted Job No. 030002 Division No. 11 F. B. 2807 Pg. 87
No. Date Date Survey of BEACH EROSION STUDIES
X-Sec. Notes Chkd. Checked Survey by BAY Notes Date 1-15-62
No. Date Date Map No. Indexed H. E. OTT Date

76L298 307 Cdb 1-62

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Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	17.	10.			4282013
			22	15.	47.			
			23	14.	45.			
		10:20	24	13.	33.			4282014
			25	00.	00.			
				00.	00.			
				00.	00.			4282015

F. B. 2809 Pg. 90 Job No. 300.02 Division No. 11 Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No.

Survey by BAY Notes BAZEN Notes Chkd. Checked X-Sec.

Indexed H. E. OTT Date Date Date No.

Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 0300.02 Tape Std °F
Office Work K.R.S.	Surveyed by
Checked	Notes Date
Date	Indexed H. E. OTT

F. B. 7809 PG. 91

TIDE GAUGE READINGS

JAN. 12, 1962

DATUM - M.L.L.W.

TIME - P.S.T.

TIME P.S.T.	GAUGE READING M.L.L.W.
5:30 AM	28
6:00	25
6:30	215
7:00	20
7:30	19
8:00	18
8:30	185
9:00	19
9:30	20
10:00	22
10:30	23
11:00	26
11:30	28
12:00 N	31
12:30 PM	33
1:00	34
1:30	34

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76F3085 CE # 310 3-61

F. B 2809 PG 92

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403 Los Angeles County Engineering Bldg.

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Notes Ck'd by	Survey of Beach Erosion Studies	F. B. 2009 PG. 93
Map No.	JN 0300 02 Tape Std °F	
Office Work K.R.C.	Surveyed by	
Checked	Notes Date	
Date	Indexed H. E. OTT	

TIDE GAUGE READINGS

JAN. 15, 1962

DATUM - M.L.L.W.

TIME - P.S.T.

TIME P.S.T.	GAUGE READING M.L.L.W.
5:30 AM	51
6:00	495
6:30	475
7:00	45
7:30	41
8:00	37
8:30	32
9:00	28
9:30	24
10:00	20
10:30	15
11:00	12
11:30	10
12:00 N.	08
12:30 PM	07
1:00	07
1:30	09

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

78E3095 CE # 310 3-61

F. B. 2809 PG. 94

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Notes Ck'd by	Survey of Hydrog. Survey
Map No.	JN 0300 02 Tape Std °F
Office Work	Surveyed by Land
Checked	Notes Land Date 7-64
Date	Indexed H. E. Ott Jul 31 '64

F. B. 2809 PG. 95

JN 0300 02

RE DONDO BEACH TO MALAGA COVE

HYDROGRAPHIC SURVEY

FROM: HONSTAD PER STA. 294+65

TO: MALAGA COVE STA. 428+19

July 21-27, 1964

OFF SHORE

LAND
ENGLISH
TOLLISON
MASUDA
MA BELLS

BOAT

SHOEMAKER
FOWLER

ON SHORE

CONTROL

RICHARDS
OCHSNER
TURRILL
SHEYANN

NEWMAN
FANGAS
N. SMITH

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

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F. B. 2809 PG 96

NOT TO SCALE

Note:
ALL TIME REC. ON THIS SURVEY WAS DAYLIGHT SAVINGS TIME

INDEX

S-16
294+10.95
FB 2100-26

FB. 2809
99-114

S-17
298+38.22
FB. 2100-27

FB 2809
115-124

S-18
301+70.96
FB. 2100-28

FB. 2809
125-134

S-19
305+72.62
FB. 2100-29

FB 2809
135-150

S-20
312+01.58
FB 2100-30

FB 2809
151-170

S-21
317+97.39
FB 2100-31

CONT ON TOP PG 97

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403 Los Angeles County Engineering Bldg.
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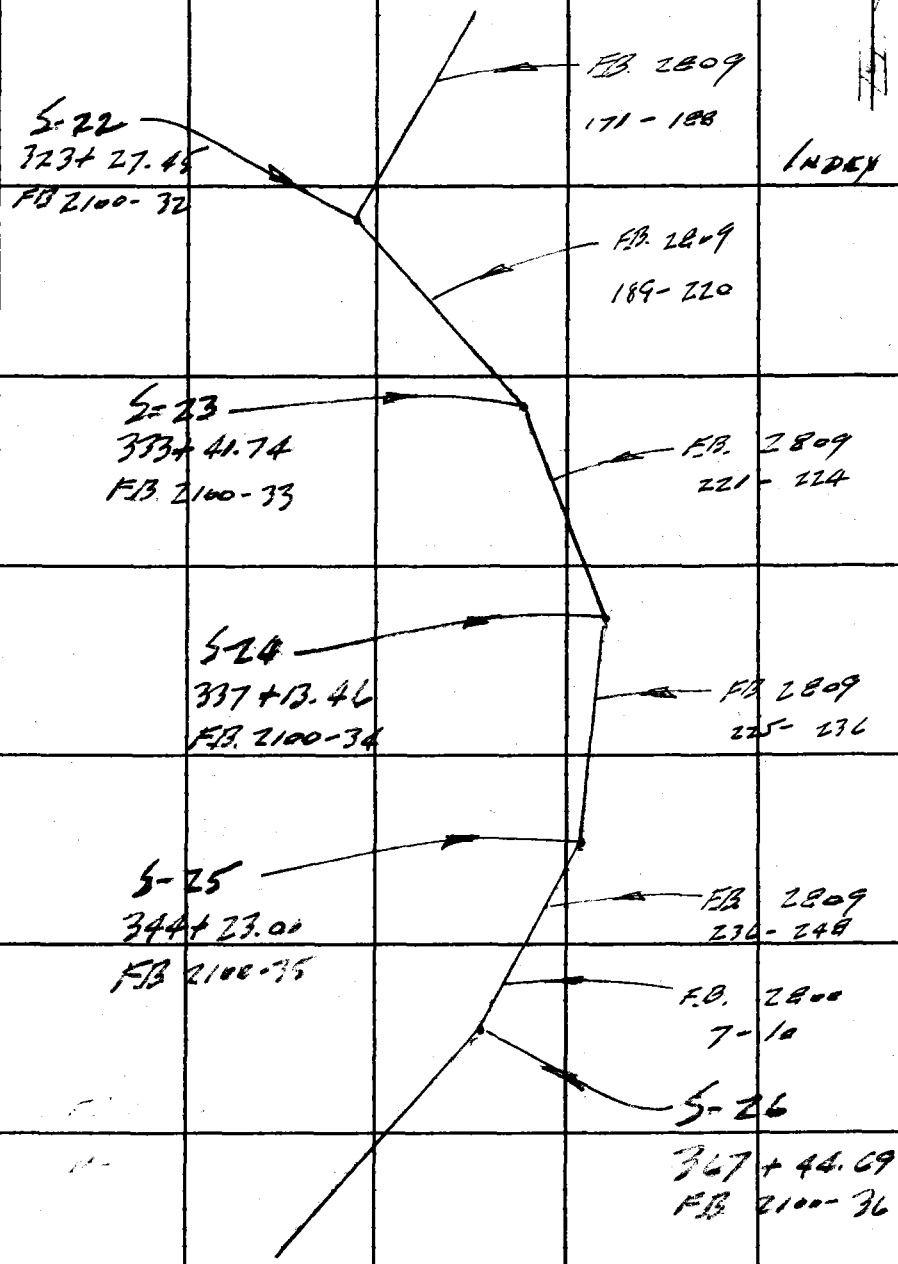
Notes Ck'd by	Survey of Hydrog Survey
Map No.	JN Tape Std °F
Office Work	Surveyed by LWD
Checked	Notes LWD Date 7-64
Date	Indexed M. E. OTT

F. B. 2809 PG. 97

Not to Scale

Cont. to Top pg 96



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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 C.E. #310 6-62

F. B. 2809 PG 98

Not to Scale

Lost Alay Rect. 14 97

INDEX

S-26
367+44.09
FB 2100-36

FB 2800
11-30

S-27
388+19.02
FB 2100-38

FB 2800
3-54

LINE

25.00 OFFSET

FB. 2800
54-62

S-28
422+48.03
FB 2100-38

S-29

NOTE:
ALL RANGE LINES
SOUTH OF S-27
WERE MEAS
FROM 25.00
OFF SET LINE

LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

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76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	294+65	
B.M. S-19	1.58	23.15		21.57	B.M. S-19 ELEV. = 21.57 FB. 2100-158 BRASS CAP MON. IN PUT.	
T.P.	5.56	12.36	16.35	6.80		
T.P.	2.86	6.08	9.14	3.22		
T. P.	1.66	4.71	3.03	3.05		
					TRANSIT AT S-17	SIGHT ON 294+65
294+65			1.6	3.1	07° 10'	BOT. ROCK. WALL
			4.4	0.3	17° 15'	SAND.
			5.2	-0.5	19° 35'	
			6.2	-1.5	20° 20'	
			7.9	-3.2	27° 30'	
			10.6	-5.9	32° 20'	
			12.5	-7.8	36° 35'	
			15.2	-10.5	42° 00'	
T. P.	1.93	4.98	1.66	3.05		

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11
No. ____ Date ____ Date ____ Survey of RED. BEACH HYD. SURVEY
X-Sec. Notes Ch. R. CLARK Checked ____ Survey by RICHARDS Notes W.R.E. Date 7-27-64
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____
F.B. 28-9 Pg. 99

F.B. 1809 PG. 180 | Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____

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

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76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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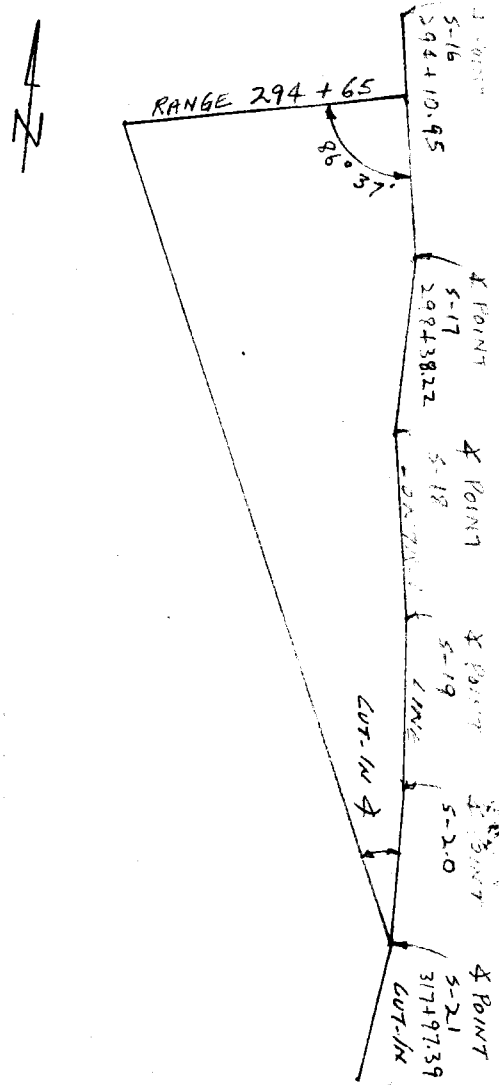
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
S-21	S-20	10:20	1	92.	26.			
			2	92.	09.			
			3	91.	51.			2946608
			4	91.	27.			
			5					
			6	90.	57.			
			7	90.	47.			2946609
			8	90.	27.			
			9	90.	22.			
			10	89.	59.			2946610
			11	89.	44.			
			12	89.	24.			
			13	89.	22.			2946611
			14	88.	49.			
			15	88.	28.			
			16	88.	05.			2946612
			17	87.	42.			
			18	87.	17.			
			19	86.	56.			2946613
			20	86.	33.			



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

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes ____ Date JULY 27, 1964

No. ____ Date ____ Date ____ Map No. ____ Indexed H. L. Date

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F. B. 7809 Pg. 102 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

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

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked

Indexed H. E. OTT Date Date Date No.

Inst. At	Sight On	Time D.S.T.	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					
S-21	S-20		21	86.	06.			
			22	85.	42.			2946614
			23	—	—			
			24	84.	42.			
			25	84.	11.			
			26	83.	37.			2946615
			27	83.	08.			
			28	82.	38.			
			29	82.	10.			2946616
			30	81.	36.			
			31	81.	04.			
			32	—	—			
			33	79.	49.			2946617
			34	79.	22.			
			35	78.	50.			
			36	78.	13.			2946618
			37	76.	05.			
			38	76.	13.			
			39	75.	15.			2946619
			40	74.	31.			

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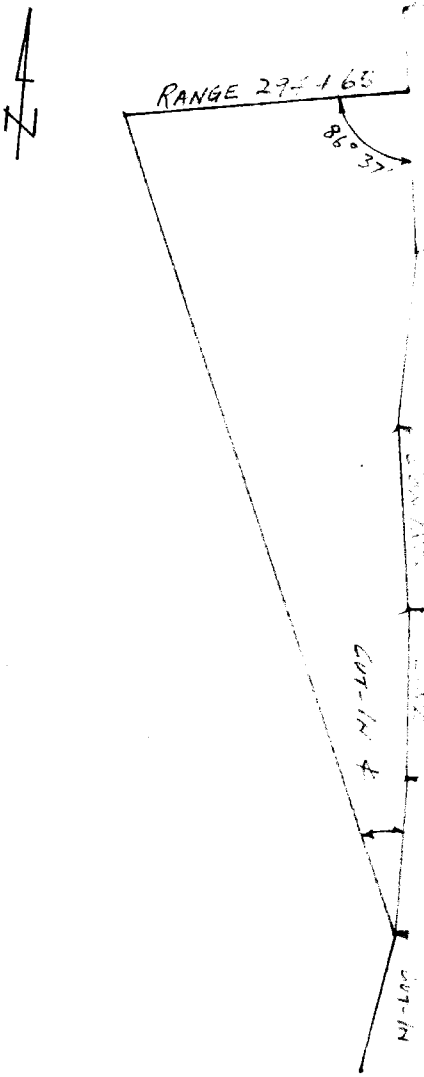
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
5-21	5-20		41	73.	45.			
			42	72.	31.			2946620
			43	72.	00.			
			44	70.	53.			
			45	69.	48.			2946621
			46	68.	50.			
			47	67.	31.			
			48	66.	41.			2946622
			49	65.	42.			
			50	64.	51.			
			51	63.	32.			2946623
			52	62.	24.			
			53	61.	24.			
			54	60.	07.			2946624
			55	58.	54.			
			56	57.	29.			
			57	56.	11.			2946625
			58	54.	49.			
			59	53.	32.			
			60	52.	33.			2946626



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 1 F. B. 1402 Pg. 163

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY Date JULY 27 1964

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

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F. B. 2809 Pg. 104 Job No. 9300.02 Division No. 11 Notes Red. Plotted. Profile

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

Survey by ENG. OFF. Notes HASUPA Notes Chkd. Checked. No.

Indexed H.L. OTT Date. Date. Date.

Inst. At	Sight On	Time D.S.T.	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					
5-21	5-20		61	50.	26.			
		10:36	62	48.	41.			
		10:39	63	56.	06.			2946627
			64	54.	55.			
			65	53.	58.			
			66	52.	43.			2946628
			67	51.	40.			
			68	50.	34.			
			69	49.	14.			2946629
			70	48.	27.			
			71	47.	20.			
			72	46.	21.			2946630
			73	45.	22.			
			74	44.	28.			
			75	43.	30.			2946631
			76	42.	27.			
			77	41.	29.			
			78	40.	07.			2946632
			79	39.	31.			
			80	38.	06.			

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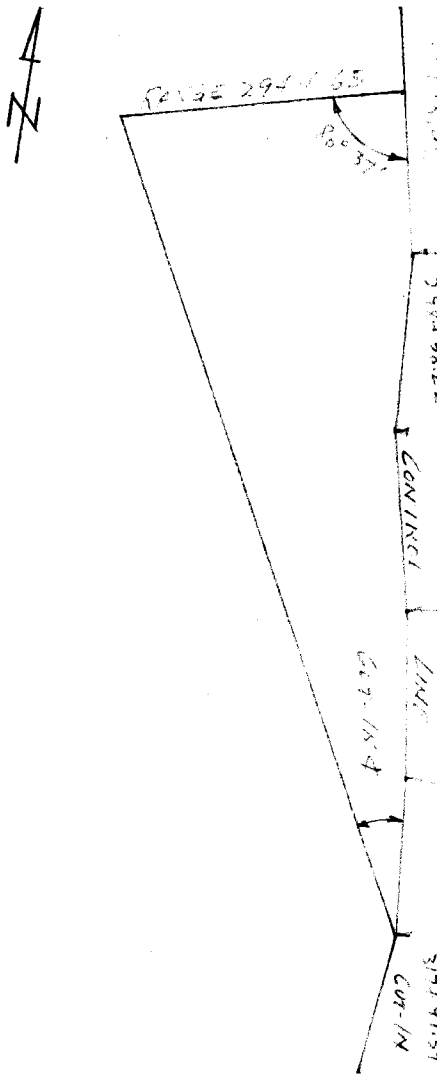
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
[illegible]	[illegible]		91	36.	45.			2946633
			92	34.	55.			
			83	33.	31.			
			84	31.	40.			2946634
			85	30.	43.			
			86	29.	22.			
			87	27.	54.			2946635
			88	26.	47.			
			89	25.	02.			
			90	23.	27.			2946636
			91	22.	08.			
			92	20.	51.			
			93	19.	15.			2946637
			94	17.	38.			
			95	16.	23.			
		10:46	96	15.	51.			2946638
				00.	00.			
				00.	00.			
				00.	00.			2946639

(over)


N
Range 29-W 33
Cont-IN
Cont-IN
Line
Cont-IN
Cont-IN
Cont-IN

76L298 307 Cdb 12-62

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Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

F. B. 2809 Pg. 106

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.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				86.	37.			
				00.	00.			
				00.	00.			2946640
				00.	00.			
				00.	00.			
				00.	00.			2946641

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	296+65	
					TRANSIT AT 5-17, SIGHT ON 296+65	
		4.98				
296+65			14.6	-9.6'	60° 50'	
			13.1	-8.1'	60° 35'	
			8.9	-3.9'	51° 00'	
			6.7	-1.7'	44° 55'	
			5.4	-0.4'	37° 05'	
			4.2	0.8'	29° 55'	
			3.4	1.6'	20° 35'	
			2.9	2.1'	17° 00'	BOT. ROCK WALL.

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03000 2 Division No. 11 F.B. 28-7 Pg. 107
No. ____ X-Sec. ____ Date ____ Date ____ Survey of RED BEACH HYD. SURVEY
No. ____ Notes Chkd. ____ Checked R. CLARK Survey by RICHARDS Noted W.P.K. Date 7-27-64
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 209 Pg. 48 | 030002

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

Survey of RED. BEACH HYD. SURVEY _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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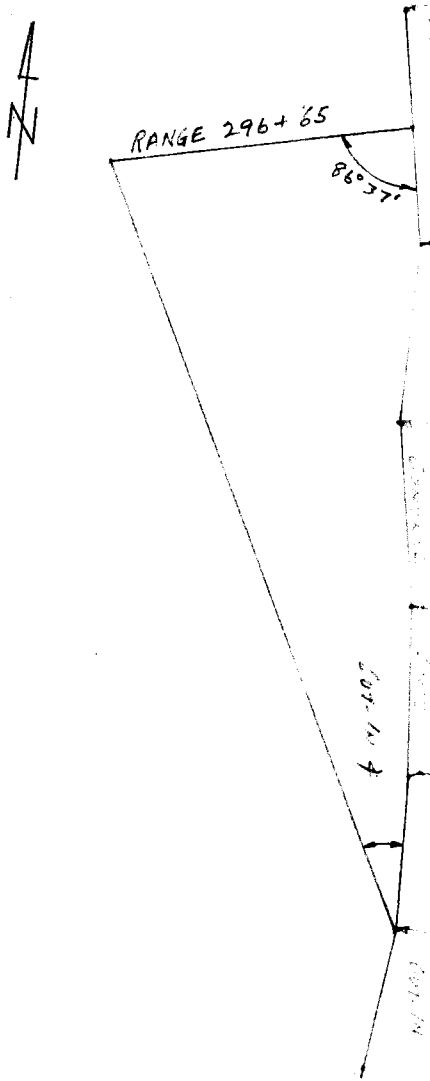
INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
5-21	5-20	9:36	1	92.	21.			
			2	92.	12.			
			3	92.	04.			2966608
			4	91.	49.			
			5	91.	31.			
			6	91.	11.			2966609
			7	90.	49.			
			8	90.	34.			
			9	90.	14.			2966610
			10	89.	51.			
			11	89.	34.			
			12	89.	11.			2966611
			13	88.	58.			
			14	88.	33.			
			15	88.	12.			2966612
			16	87.	42.			
			17	87.	13.			
			18	86.	43.			2966613
			19	86.	16.			
			20	—				



Profile Notes Red. ____ Plotted ____ Job No. 4330-01 Division No. ____ F. B. 1390 Pg. 16

No. ____ Date ____ Date ____ Survey of MARCOS BRANCH SURVEY

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

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F. B. 28-7 Pg. 110 Job No. 030002 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
5-21	5-20		21	85.	19.			
			22	84.	48.			2966614
			23	84.	12.			
			24	83.	37.			
			25	83.	03.			2966615
			26	82.	34.			
			27	81.	51.			
			28	81.	13.			2966616
			29	80.	45.			
			30	79.	47.			
			31	79.	21.			2966617
			32	78.	02.			
			33	77.	18.			
			34	76.	22.			2966618
			35	75.	21.			
			36	74.	20.			
			37	73.	42.			2966619
			38	72.	51.			
			39	71.	36.			
			40	70.	32.			2966620

76L298 307 Cdb 12-62

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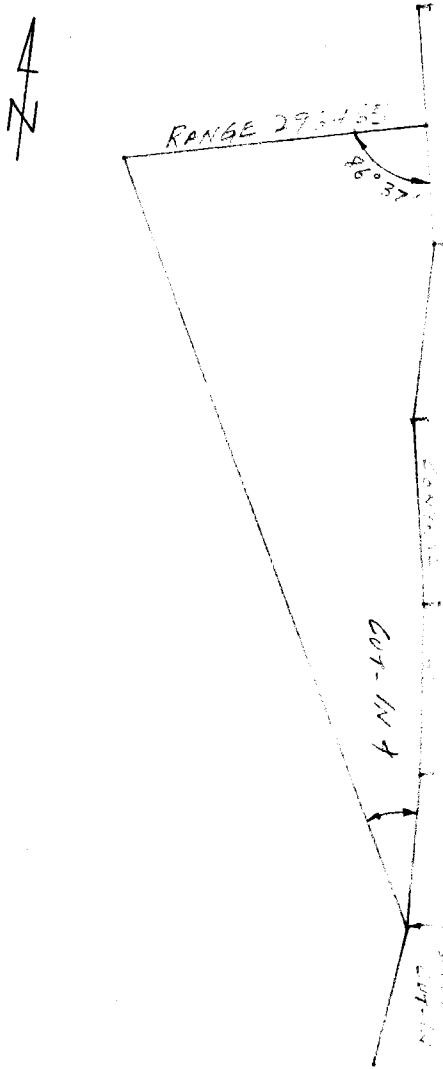
INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
S-21	S-20		41	69.	27.			
			42	68.	15.			
			43	67.	17.			2966621
			44	66.	12.			
			45	65.	07.			
			46	64.	07.			2966622
			47	62.	41.			
			48	61.	32.			
			49	60.	12.			2966623
			50	59.	10.			
			51	57.	40.			
			52	56.	03.			2966624
			53	54.	25.			
			54	52.	37.			
			55	50.	28.			2966625
			56	49.	09.			
			57	47.	44.			
			58	46.	16.			2966626
			59	44.	51.			
			60	43.	26.			



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

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of HYDROGRAPHIC SURVEY Survey by CONFIDENTIAL Notes MISSION Date JULY 27 1964

Map No. ____ Index H. E. OTT Date ____

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Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
S-21	S-20		61	41.	45.			2966627
			62	39.	37.			
			63	38.	09.			
			64	36.	42.			2966628
			65	35.	02.			
			66	33.	40.			
			67	31.	45.			2966629
			68	30.	31.			
			69	29.	15.			
			70	27.	58.			2966630
			71	25.	34.			
			72	25.	33.			
			73	24.	12.			2966631
			74	23.	00.			
			75	21.	49.			
			76	20.	39.			2966632
			77	19.	36.			
			78	18.	27.			
			79	17.	03.			2966633
			80	15.	41.			

F. B. 2307 Pg. 112

Survey of HYDROGRAPHIC SURVEY

Survey by ENGLISH Notes MASUDA

Indexed H. E. OTT Date

Job No. 23002 Division No. 11 Notes Red. Plotted

Date Date

Notes Chkd. Checked

Date Date

Profile No. X-Sec. No.

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INST. AT	SIGHT ON	TIME D.S.T.	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					
5-21	5-20		51	13.	53.			
		9:55	82	14.	21.			2966634
				00.	00.			
				00.	00.			
				00.	00.			2966635
				86.	37.			
				00.	00.			
				00.	00.			2966636
				00.	00.			
				00.	00.			
				00.	00.			2966637

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

No. Date Date Survey of Survey by Notes Date

X-Sec. Notes Chkd. Checked Map No. Indexed Date

No. Date Date Date

F. B. 2809 PG. 114 | Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by ~~H. E. OTT~~ Notes _____ Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 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.

STATION	B. S.	H. I.	F. S.	ELEV.	298+65	
		4.98			TRANSIT AT 300+65 SIGHT ON 298+65	
298+65			14.8	-9.8	58° 55'	
			12.1	-7.1	55° 10'	
			9.1	-4.1	49° 05'	
			6.7	-1.7	41° 55'	
			5.7	-0.7	35° 00'	
			4.5	0.5	27° 00'	
			3.5	1.5	19° 30'	
			2.7	2.3	11° 40'	BOT. ROCK WALL

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No.
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked K. R. CLAPP
Job No. 03000.02 Division No. 11
Survey of RED. BEACH HYD. SURVEY
Survey by RICHARDS Note W.D.R. Date 7-27-64
Map No.
Indexed H. E. OTT Date
F. B. 28-1 Pg. 115

F. B. 2809 Pg. 116 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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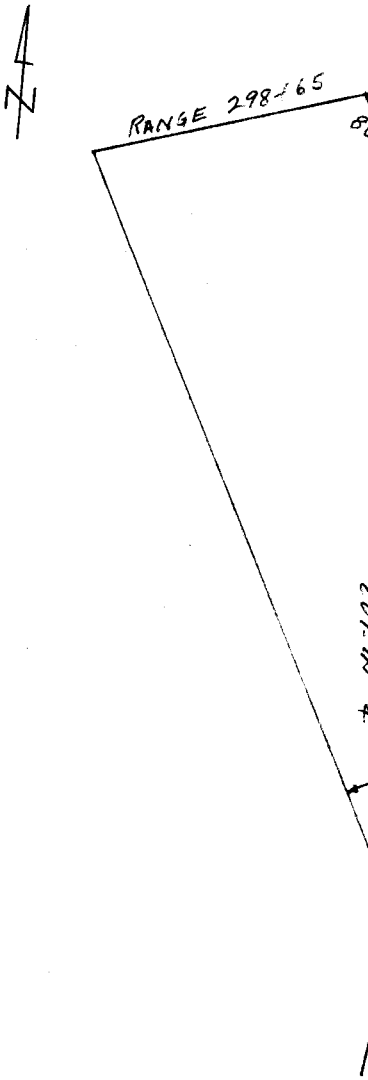
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
S-21	S-20	8:59	1	[illegible]	[illegible]			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			2986607
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			2986608
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			2986609
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			2986610
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			2986611
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			2986612
			19	[illegible]	[illegible]			
			20	[illegible]	[illegible]			



Profile Notes Red. ____ Plotted ____ Job No. 23000.00 Division No. 11 F. B. [illegible] Pg. 117

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes MASON Date JULY 27, 1964

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

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. 2309 Pg. 118 Job No. 0300.02 Division No. 11 Notes Red. Plotted. Profile No.

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

Survey by ENGLISH Notes MASWDA Notes Chkd. Checked.

Indexed H. E. OTT Date Date Date No.

Inst. At	Sight On	Time D.S.T.	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					
5-21	5-20		21	[illegible]	[illegible]			2986613
			22	[illegible]	[illegible]			
			23	[illegible]	[illegible]			
			24	[illegible]	[illegible]			2986614
			25	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			2986615
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			2986616
				[illegible]	[illegible]			
				[illegible]	[illegible]			
				[illegible]	[illegible]			29866 17
				[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			2986618
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			2986619
				[illegible]	[illegible]			

76L298 307 Cdb 12-62

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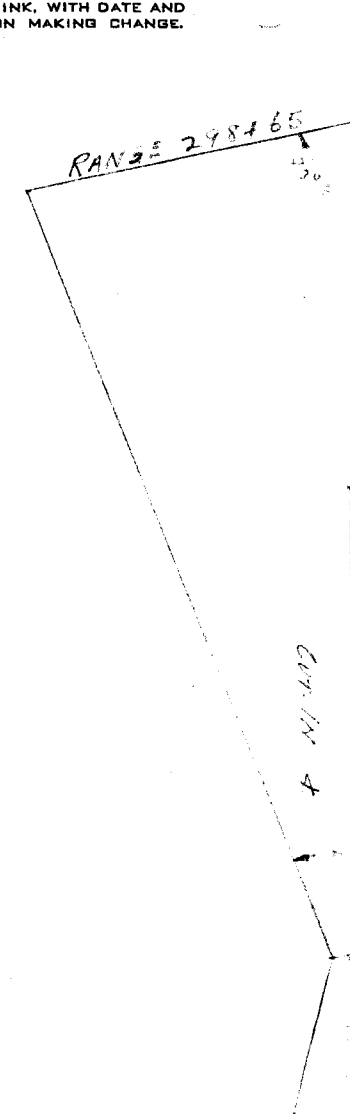
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
				.	.			
				.	.			2986620
				.	.			
				.	.			
				.	.			2986621
				.	.			
				.	.			
				.	.			2986622
				.	.			
				00.	00.			
				00.	00.			2986623
				00.	00.			
				00.	00.			
				00.	00.			2986624
				80.	31.			
				00.	00.			
				00.	00.			2986625
				00.	00.			
				00.	00.			
				00.	00.			2986626

(over)



Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 116
X-Sec. No. ____ Date ____ Date ____ Survey of ____ Date ____
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Notes Date

Job No. Notes Date

Survey of

Survey by

Indexed

F. B. 2809 Pg. 110

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				80.	31.			
				00.	00.			
				00.	00.			3006620
				00.	00.			
				00.	00.			
				00.	00.			3006621
				104.	27.			
				00.	00.			
				00.	00.			3021519
				00.	00.			
				00.	00.			
				00.	00.			3021520
				104.	27.			
				00.	00.			
				00.	00.			3046618
				00.	00.			
				00.	00.			
				00.	00.			3046619

76-L-296 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.	300+65,	
		4 98			TRANSIT AT S-17	SIGHT ON 300+65
300+65			0.8	4.2	BOT. ROCK WALL	10° 40'
			3.9	1.1		21° 00'
			4.9	0.1		25° 40'
			5.6	-0.6		30° 35'
			6.7	-1.7		36° 10'
			10.1	-5.1		42° 50'
			12.4	-7.4		48° 20'
			15.2	-10.2		53° 30'
T.P.	2.08	6.22	0.84	4.14		

DATUM
MEAN LOWER LOW WATER

Profile No. ____ X-Sec. No. ____
Notes Red. ____ Date ____ Notes Chkd. ____ Date ____
Plotted ____ Date ____ Checked K. R. CLARK Date ____
Job No. 03000.02 Division No. 11
Survey of RED. BEACH HYD. SURVEY
Survey by RICHARDS Noted M.A.R. Date 7-27-64
Map No. ____ Indexed H. E. OTT Date ____
F.B. 2807 Pg. 14

F.B. 1809 Pg. 12 | 0300.02

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

Survey of RED BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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

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

76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

PLEASE RETURN TO

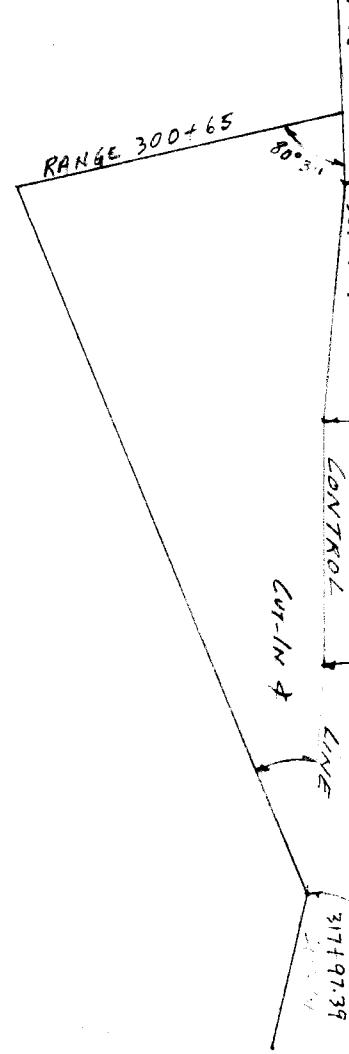
LOS ANGELES COUNTY SURVEYOR

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 D.S.T.	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					
5-21	5-20	[illegible]	1	[illegible]	[illegible]			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			3006607
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			3006608
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			3006609
			10	54.	15.			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			3006610
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			3006611
			16	48.	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			3006612
			19	[illegible]	[illegible]			
			20	[illegible]	[illegible]			



Profile Notes Red. ____ Plotted ____ Job No. 4300.02 Division No. 11 F. B. 1450 Pg. 123

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes MASSUM Date JULY 27, 1964

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

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. 7809 Pg. 124 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile No.

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

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked

Indexed H. E. OTT Date Date Date No.

Inst. At	Sight On	Time D.S.T.	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					
5-21	5-20		21	[illegible]	[illegible]			3006613
			22	[illegible]	[illegible]			
			23	[illegible]	[illegible]			
			24	—	[illegible]			
			25	[illegible]	[illegible]			3006614
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3006615
				[illegible]	[illegible]			
				[illegible]	[illegible]			
				[illegible]	[illegible]			3006616
				[illegible]	[illegible]			
			33	[illegible]	[illegible]			
				[illegible]	[illegible]			3006617
				[illegible]	[illegible]			
				[illegible]	[illegible]			
				00.	00.			3006618
				00.	00.			
				00.	00.			
				00.	00.			3006619

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.	301+90	
					TRANSIT AT 304+65 SIGHT ON 301+90	
		6.22				
301+90			(+)4.3	10.5		05° 00' TOP BK
			(+)2.8	9.0	0° 00'	CONTROL LINE
			0.0	6.2	04° 25'	BK.
			3.0	3.2	10° 05'	
			5.3	0.9	18° 15'	
			6.7	-0.5	23° 00'	
			7.3	-1.1	25° 35'	
			8.5	-2.3	28° 50'	
			10.6	-4.4	31° 45'	
			12.3	-6.1	34° 50'	
			14.0	-7.8	37° 15'	
			16.0	-9.8	40° 00'	
T. P.	7.28	12.61	0.89	5.33		

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. 030002 Division No. 11 F. B. 1661 Pg. 125
No. ____ X-Sec. ____ Date ____ Date ____ Survey of RED. BEACH HYD. SURVEY
No. ____ Notes Chkd. ____ Checked R. CLARKE Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2809 Pg. 126 | 0300.02 Job No. _____ Division No. 11 _____ Notes Red _____ Plotted _____ Profile

Survey of RED BERCH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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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.	302+14	
		12.61			TRANSIT AT 304+65	SIGHT ON 302+14
302+14			2.3	10.3		05° 20' SAND
			3.0	9.6	0° 00'	CONTROL LINE
			5.3	7.3	03° 50'	
			7.8	4.8	07° 40' M.H.T.	
T. P.	0.21	5.46	7.36	5.25		
			3.7	1.8	11° 55'	
			4.1	1.4	16° 25'	
			5.5	0.0	22° 05'	
			6.2	−0.7	26° 40'	
			7.5	−2.0	30° 20'	
			9.8	−4.3	34° 35'	
			12.2	−6.7	38° 50'	
			15.5	−10.0	44° 00'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ X-Sec. No. ____
Notes Red. ____ Date ____
Notes Chkd. ____ Date ____
Plotted ____ Date ____
Checked K. R. CLARKE
Job No. R3000.02 Division No. 11
Survey of RED BEACH HYD. SURVEY
Survey by RICHARDS Noted W. A. R. Date 7-27-64
Map No. ____ Indexed H. E. OTT Date ____
F. B. 1301 Pg. 127

F. B. 1809 Pg. 12 | Job No. 03000.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

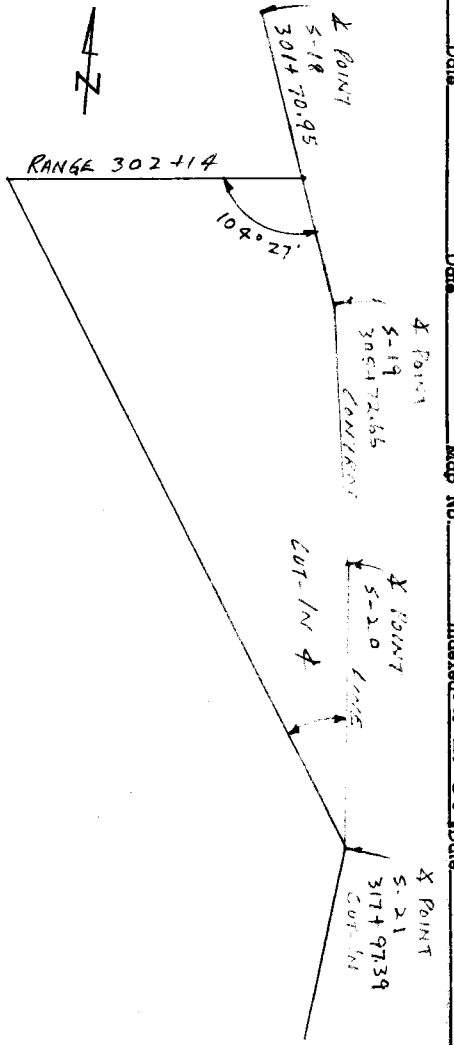
LOS ANGELES COUNTY SURVEYOR

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 D.S.T.	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					
S-21	S-20		1	.	.			
			2	.	.			
			3	.	.			3021506
			4	.	.			
			5	.	.			
			6	.	.			3021507
			7	.	.			
			8	.	.			
			9	.	.			3021508
			10	.	.			
			11	.	.			
			12	.	.			3021509
			13	.	31.			
			14	50.	42.			
			15	.	.			3021510
			16	.	.			
			17	.	.			
			18	.	.			3021511
			19	.	.			
			20	.	.			



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 2409 PG. 129

No. ____ Date ____ Date ____ Survey of ____ Notes ____ Date ____

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. U. Date ____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2209 Pg. 190 | Job No 0300.02 Division No. 11 | Notes Red. | Plotted | Profile No.

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

Survey by ENGLISH | Notes MASUDA | Notes Chkd. | Checked

Indexed H. E. OTT | Date | Date | Date | No.

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time D.S.T. (Don't Punch)	Angle No (Don't Punch)	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
5-21	5-20		21	37.	[illegible]			3021512
			22	35.	[illegible]			
			23	33.	19.			
			24	30.	52.			3021513
			25	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3021514
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3021515
			[illegible]	21.	[illegible]			
			32	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3021516
			[illegible]	17.	[illegible]			
			[illegible]	[illegible]	[illegible]			
		[illegible]	[illegible]	[illegible]	[illegible]			3021517
				00.	00.			
				00.	00.			
				00.	00.			3021518

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.	304+65	
		5.46			TRANSIT AT 302+14	SIGHT ON 304+65
304+65			14.0	-8.5		64° 40'
			11.1	-5.6		58° 35'
			8.9	-3.4		53° 40'
			7.2	-1.7		49° 00'
			6.3	-0.8		44° 05'
			5.4	0.1		37° 20'
			4.2	1.3		30° 20'
			4.0	1.5		25° 40'
			1.5	4.0	DATUM MEAN LOWER LOW WATER	21° 35'
			0.8	4.7		20° 50' M.H.T
T. P.	10.67	15.92	0.21	5.25		
			10.1	5.8		19° 00'
			5.9	10.0		12° 25'
			4.5	11.4		06° 50'
			1.5	14.4		0° 00' CONT. LINE

Profile No. ____ Notes Red. ____ Plotted ____
X-Sec. No. ____ Date ____ Date ____ Job No. 030002 Division No. 11
Notes Chkd. ____ Date ____ Check K. R. CLARKE Survey of RED BEACH HYD. SURVEY
Survey by RICHARDS Map No. ____ Indexed H. F. OTT Date ____
Notes K.R.R. Date 7-27-64
F.B. 2209 Pg. 131

F. B. 2809 Pg. 132 | Job No. 0300.02 | Division No. 11 | Notes Red | Plotted | Profile

Survey of RED. BEACH HYD. SURVEY | Date | Date | No.

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

Indexed H. E. OTT | Date | Date | Date | No.

76-L-298 CE 307 2-63

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

STATION	B.S.	H.I.	F.S.	ELEV.	
T. P.	10.33	15.92			
		25.83	0.42	15.50	
B.M. S-19			4.11	21.72	B.M. S-19 EL. = 21.57 FB. 2100-158
					BRASS CAP MON. IN. PVT.

76L298 307 Cdb 12-62

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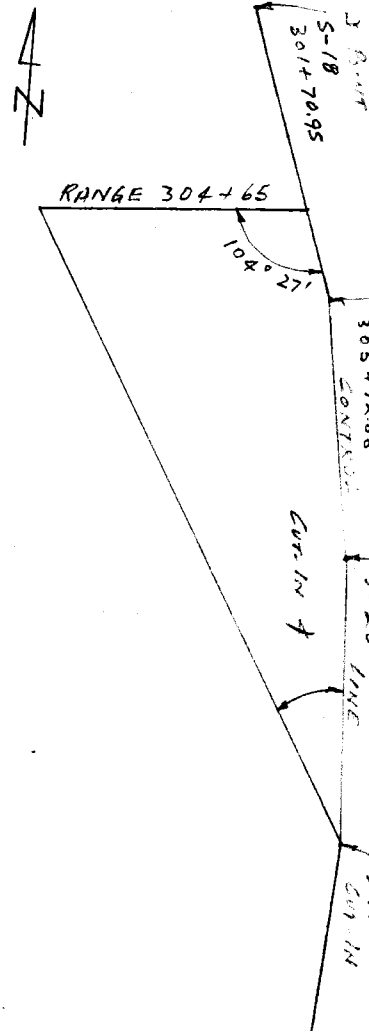
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 D.S.T.	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					
S-21	S-22	7:15	[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3046606
			[illegible]	6	35			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3046607
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3046608
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3046609
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3046610
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			3046611
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			



Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. ____ F. B. [illegible] Pg. 133

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY Date [illegible] 1964

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date [illegible]

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	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					
5-21	5-20		21	.	.			3046612
			22	.	.			
			23	.	.			
			24	.	.			3046613
			25	.	.			
				.	.			
				21.	.			3046614
				.	.			
				.	.			
				.	.			3046615
				.	.			
				00.	00.			
				00.	00.			3046616
				00.	00.			
				00.	00.			
				00.	00.			3046617

F. B. 7299 Pg. 114 Job No 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked

Indexed H. E. OTT Date Date Date No.

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	306+65	
B.M. S-19	0.74	22.31		21.57	B.M. S-19 EL. = 21.57	F.B. 2100 - 158
					BRASS CAP DN. 2"	
					TRANSIT @ S-20 - SIGHT ON 306+65	
306+65			1.38	20.93	0° 00' CONTROL LINE	
"			1.47	20.84	0° 40' CONC. CB.	
"			3.8	18.5	01° 35' SAND	
"			6.4	15.9	04° 05' "	
"			9.8	12.5	05° 48' "	
"			14.1	8.2	08° 40' "	
"			15.6	6.7	09° 48' "	"
"	0.30	7.00	15.61	6.70	~~09° 58'~~ T.P.	
"			23	4.7	11° 14' M.H.T.	
"			58	1.2	14° 12'	
"			72	- 0.2	18° 35'	
			80	- 1.0	22° 26'	
			95	- 2.5	24° 05'	
			124	- 5.4	28° 14'	
			148	- 7.8	32° 08'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03000.02 Division No. 11 F.B. 2109 Pg. 135
X-Sec. No. ____ Date ____ Date ____ Survey of RED. BEACH HYD. SURVEY
Notes Chkd. ____ Date ____ Check W. R. CLARKE Survey by RICHARDS Notes W.P.R. Date 7-21-64
Map No. ____ Indexed H. E. OTT Date ____

F. B. 2809 PG. 136 | 030002 Job No. _____ Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 2-63

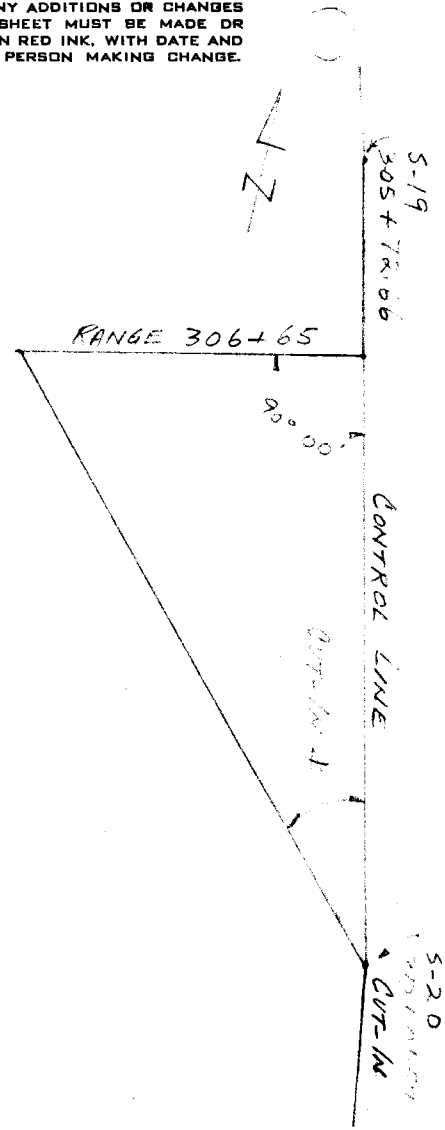
76L298 307 Cdb 12-62

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 D.S.T.	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					
S-20	S-19	6:18	1	75.	57.			
			2	75.	44.			
			3	75.	34.			3066604
			4	74.	58.			
			5	74.	33.			
			6	74.	12.			3066605
			7	74.	07.			
			8	73.	53.			
			9	73.	50.			3066606
			10	73.	17.			
			11	72.	57.			
			12	72.	31.			3066607
			13	71.	51.			
			14	71.	43.			
			15	—				
			16	71.	08.			3066608
			17	70.	20.			
			18	69.	42.			
			19	69.	11.			3066609
			20	68.	18.			



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 308 Pg. 137
No. ____ Date ____ Date ____ Survey of PHOTOGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes MASUDA Date JULY 21, 1964
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2909 Pg. 138 Job No 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Notes Date Date

Survey by ENGLISH Notes MASTER Notes Chkd. Checked

Indexed H. E. OTT Date Date Date

Profile No. X-Sec. No.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
5-20	5-19		21	67.	38.			
			22	66.	42.			3066610
			23	55.	12.			
			24	64.	41.			
			25	6[illegible].	[illegible].			3066611
			26	62.	53.			
			27	61.	34.			
			28	65.	19.			3066612
			29	52.	28.			
			30	57.	26.			
			31	[illegible].	[illegible].			3066613
			32	38.	38.			
			33	[illegible].	[illegible].			
			34	[illegible].	[illegible].			3066614
			35	[illegible].	36.			
			36	[illegible].	[illegible].			
			37	43.	20.			3066615
			38	41.	53.			
			39	[illegible].	[illegible].			

76L298 307 Cdb 12-62

PLEASE RETURN TO

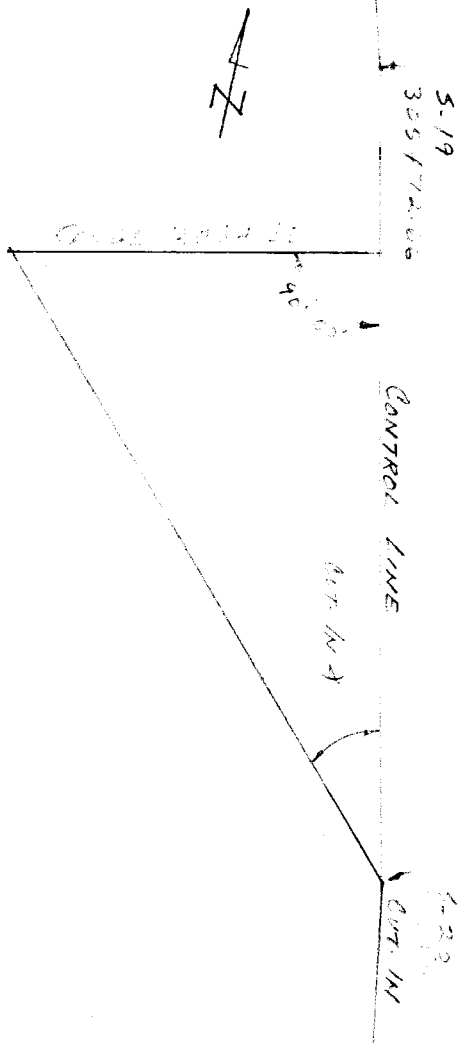
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
			40	[illegible]	[illegible]			3066616
			41	[illegible]	[illegible]			
			42	[illegible]	[illegible]			
			43	[illegible]	[illegible]			3066617
			44	[illegible]	[illegible]			
			45	[illegible]	[illegible]			
		[illegible]	46	[illegible]	[illegible]			3066618
				00.	00.			
				00.	00.			
				00.	00.			3066619
				90.	00.			
				00.	00.			
				00.	00.			3066620
				00.	00.			
				00.	00.			
				00.	00.			3066621



Profile Notes Red. ____ Plotted ____ Job No. 02-00-02 Division No. 11 F. B. 1107 Pg. 139

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

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2809 Pg. 140 | 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. _____

76L298 307 Cdb 12-62

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726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

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.	308+65		
		7.00			TRANSIT AT S-7.0		
308+65			13.2	-6.2	44°	23'	
"			9.5	-2.5	38°	05'	
"			7.8	-0.8	31°	58'	
			7.0	0.0	26°	40'	M.L.L.W.
"		19.6	5.7	1.3	21°	50'	
T.P.	12.88	19.55	0.33	6.67			T.P.
"			14.8	4.7	16°	20'	M.H.T.
			8.3	11.3	07°	50'	
			5.0	14.6	04°	46'	
			4.1	15.5	02°	33'	BOT. BK.
			0.69	18.86	01°	01'	PVT. & TOP BK.
			0.53	19.02	0°	00'	CONTROL LINE

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. 03000.02 Division No. 11 F.B. 1809 Pg. 44
No. X-Sec. Date ____ Date ____ Survey of REDONDO BEACH HYD. SURVEY
No. ____ Notes Chkd. ____ Check W. R. CLARKE Survey by PICHARDS Notes W.R.R. Date 7-21-64
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2809 Pg. 142 | 0300.02

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

Survey of RED. BEACH HYD. SURVEY. Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

PLEASE RETURN TO

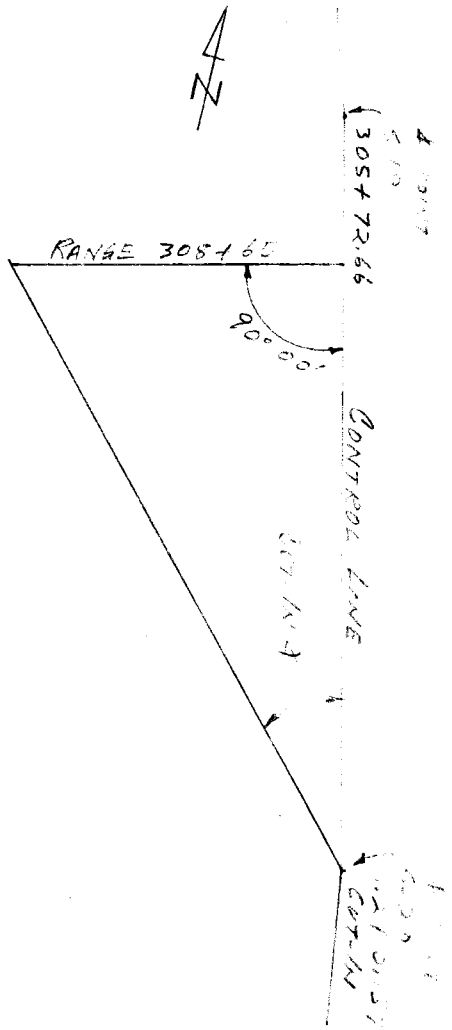
LOS ANGELES COUNTY SURVEYOR

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 D.S.T.	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					
5-20	5-19	6:48	1	80.	27.			
			2	80.	10.			
			3	80.	04.			3086604
			4	79.	49.			
			5	79.	40.			
			6	79.	13.			3086605
			7	78.	58.			
			8	78.	31.			
			9	78.	05.			3086606
			10	77.	46.			
			11	77.	30.			
			12	77.	09.			3086607
			13	76.	43.			
			14	76.	37.			
			15	76.	11.			3086608
			16	75.	47.			
			17	75.	13.			
			18	74.	38.			3086609
			19	73.	51.			
			20	73.	22.			



Profile

No. Date Notes Red. Plotted Job No. 0390.25 Division No. 11 F. B. 1869 Pg. 42

X-Sec. Date Date Survey of: RANGE LINE SURVEY

No. Notes Chkd. Checked Survey by Field Notes Date JULY 21, 1962

Date Date Map No. Indexed H. E. OTT Date

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	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					
5-20	5-19		21	72.	55.			3086610
			22	72.	07.			
			23	71.	01.			
			24	70.	13.			3086611
			25	69.	16.			
			26	68.	14.			
			27	67.	26.			3086612
			28	66.	31.			
			29	64.	47.			
			30	63.	43.			3086613
			31	62.	00.			
			32	60.	06.			
			33	59.	30.			3086614
			34	56.	07.			
			35	54.	07.			
			36	51.	44.			3086615
			37	48.	51.			
			38	46.	28.			
			39	44.	11.			3086616
		6:56	40	41.	22.			

F. B. 2809 Pg. 144

Survey of HYDROGRAPHIC SURVEY

Survey H. E. Cutt

Indexed

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. 11 Notes MASSIVE

Job No. 4200.02 Notes Date

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	310+65	
		19.55			TRANSIT AT 308+65	
310+65			1.48	18.07		0° 00'
"			1.62	17.93		01° 48'
"			3.1	16.5		04° 09'
"			4.1	15.5		06° 46'
"			7.9	11.7		11° 37'
"			13.3	6.2		19° 21'
T.P.	0.22	6.82	12.95	6.60	T.P.	
			2.1	4.7	M.H.T.	21° 35'
			5.5	1.3		29° 50'
			6.3	0.5		35° 00'
			7.0	-0.2		39° 42'
			7.8	-1.0		45° 20'
			9.3	-2.5		49° 52'
			11.0	-4.2		54° 06'
			13.7	-6.9		58° 16'
			15.4	-8.9		60° 43'

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F.B. 2105 Pg. 155
No. X-Sec. Date Date Survey of RED BEACH HYD. SURVEY
No. Date Notes Chkd. Date Checked R. CLARKE Survey by RICHARDS Noted W.A.R. Date 7-21-64
Date Map No. Indexed H. E. OTT Date

F. B. 2809 Pg. 14b | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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

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

76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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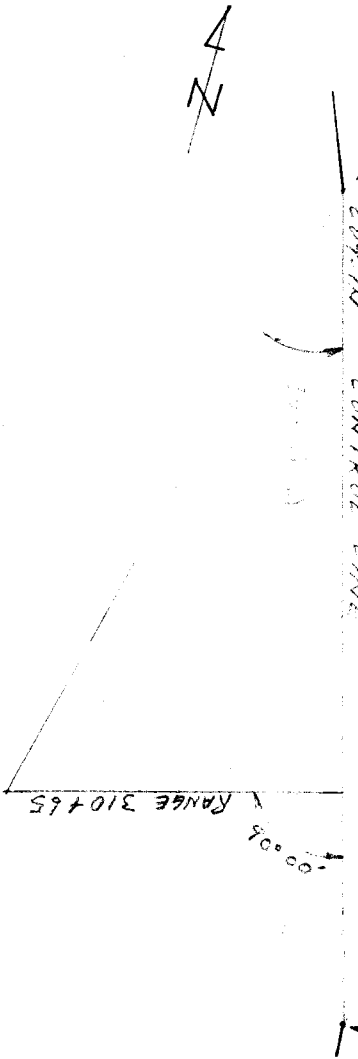
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 D.S.T.	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					
S 11	S-20	7:12	1	75.	25.			
			2	75.	18.			
			3	75.	27.			3106606
			4	74.	40.			
			5	74.	18.			
			6	73.	37.			3106607
			7	73.	18.			
			8	72.	34.			
			9	72.	41.			3106608
			10	72.	28.			
			11	71.	39.			
			12	71.	21.			3106609
			13	70.	55.			
			14	70.	30.			
			15	69.	46.			3106610
			16	69.	09.			
			17	68.	29.			
			18	67.	51.			3106611
			19	66.	52.			
			20	66.	10.			



Profile No.____ Date____ Notes Red____ Plotted____ Job No. 2300-02 Division No. 11 F. B. 2003 Pg. 147

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of HYDROGRAPHIC SURVEY Survey by EXGINEERING Notes HASUDA Date JULY 21 1962 Map No.____ Indexed H. E. OTT Date____

* POINT
S-20

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

F. B. 7809 Pg. 140 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | No. | Profile

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

Survey by ENGELHARDT | Notes MAISUDA | Notes Chkd. | Checked

Indexed H. E. OTT | Date | Date | No.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
5-19	5-20		21	65.	20.			3106612
			22	63.	21.			
			23	62.	26.			
			24	60.	37.			3106613
			25	59.	07.			
			26	57.	44.			
			27	55.	51.			3106614
			28	53.	37.			
			29	52.	28.			
			30	50.	21.			3106615
			31	47.	16.			
			32	44.	20.			
			33	41.	32.			3106616
			34	39.	37.			
			35	38.	01.			
			36	36.	32.			3106617
			37	35.	15.			
			38	33.	54.			
			39	31.	35.			3106618
			40	28.	42.			

76L298 307 Cdb 12-62

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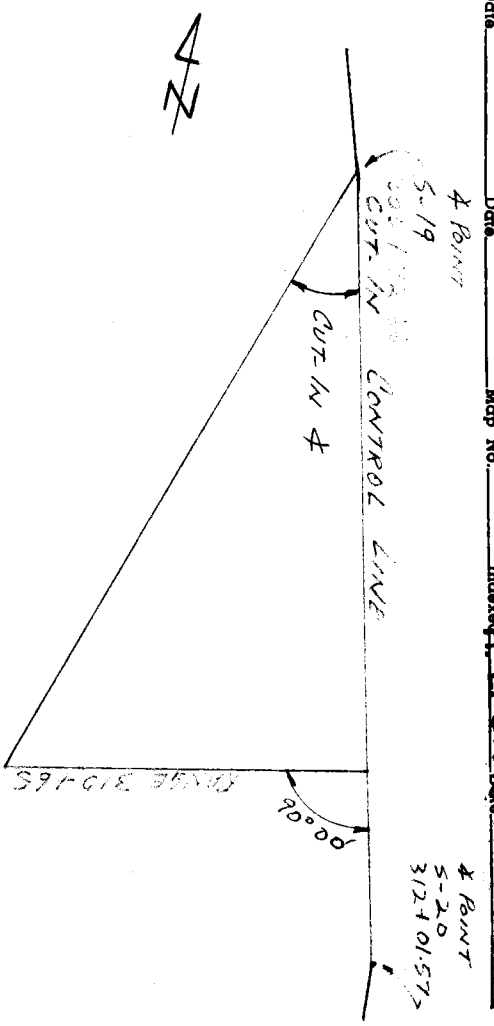
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
5-19	5-20		41	[illegible]	[illegible]			
		7:20	42	22.	31.			3106519
				00.	00.			
				00.	00.			
				00.	00.			3106620
				90.	00.			
				00.	00.			
				00.	00.			3106604
				00.	00.			
				00.	00.			
				00.	00.			3106605



Profile

No. Date Notes Red. Plotted Job No. Division No.

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

No. Date Date Map No. Indexed H. E. QIL Date

F. B. Pg.

F. B. 2809 PG. 150 | Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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.	312+65	
		6.82			TRANSIT AT S-21	
312+65			16.2	-9.4	33° 20'	
"			13.6	-6.8	29° 22'	
			10.3	-3.5	25° 11'	
			8.3	-1.5	20° 42'	
			7.0	-0.2	16° 28'	
			5.9	0.9	12° 03'	
			3.7	3.1	09° 04'	
			2.1	4.7	07° 51'	M.H.T.
T. P.	12.15	18.75	0.22	6.60		
			5.7	13.1	02° 46'	
			4.2	14.6	02° 18'	
			1.70	17.05	0° 52'	CONC. C.B.
			1.60	17.15	0° 00'	CONT. LINE.
B.M. S-20	0.77	18.17	1.45	~~17.30~~ 17.40	B.M. S-20 EL. = 17.40 F.B. 2100-158	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____
No. ~~2-60~~ Date ____ Date ____ Survey of ____
No. ____ Notes Chkd. ____ Checked K. R. CLARK Survey by R.K.H./R.D.S. Notes W.A.R. Date 7-21-64
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2809 Pg. 151

F. B. 2809 Pg. 182 | Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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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79-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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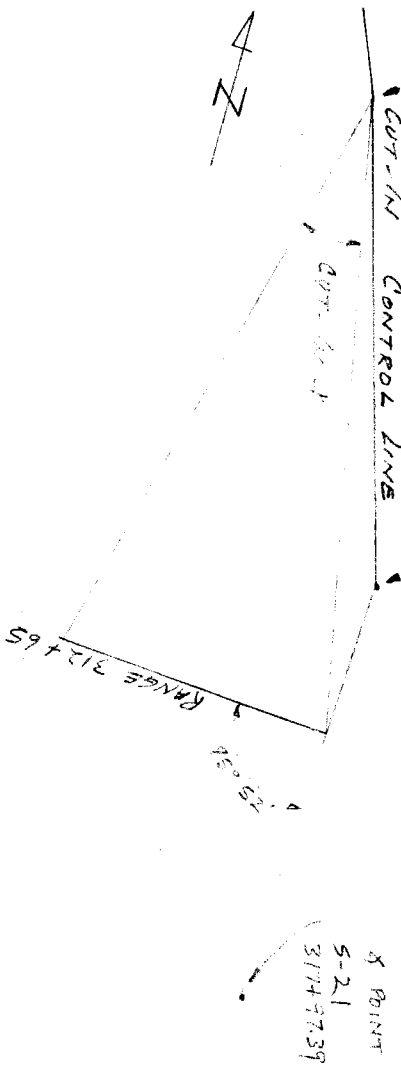
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
S-19	312+65		1	68.	46.			
			2	68.	34.			
			3	68.	30.			3126606
			4	68.	08.			
			5	67.	44.			
			6	67.	26.			3126607
			7	66.	42.			
			8	66.	10.			
			9	65.	34.			3126608
			10	65.	12.			
			11	64.	29.			
			12	63.	53.			3126609
			13	63.	09.			
			14	62.	33.			
			15	61.	40.			3126610
			16	61.	01.			
			17	60.	14.			
			18	59.	31.			3126611
			19	58.	42.			
			20	57.	50.			



Profile Notes Red. Plotted Job No. 2320.00 Division No.

No. Date Date Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked Survey by Notes Date NOV 21 1962

No. Date Date Map No. Indexed H. E. OTT Date

F. B. Pg. 153

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
S-19	312+65		21	56.	54.			3126612
			22	55.	42.			
			23	54.	47.			
			24	53.	34.			3126613
			25	52.	14.			
			26	50.	54.			
			27	49.	39.			3126614
			28	47.	58.			
			29	45.	45.			
			30	44.	15.			3126615
			31	42.	14.			
			32	40.	34.			
			33	38.	58.			3126616
			34	37.	27.			
			35	36.	26.			
			36	34.	59.			3126617
			37	32.	58.			
			38	30.	26.			
			39	27.	52.			3126618
			40	26.	03.			

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

F. B. 2209 Pg. 114

Survey of

Survey by H. E. OTT

Indexed

76L298 307 Cdb 12-62

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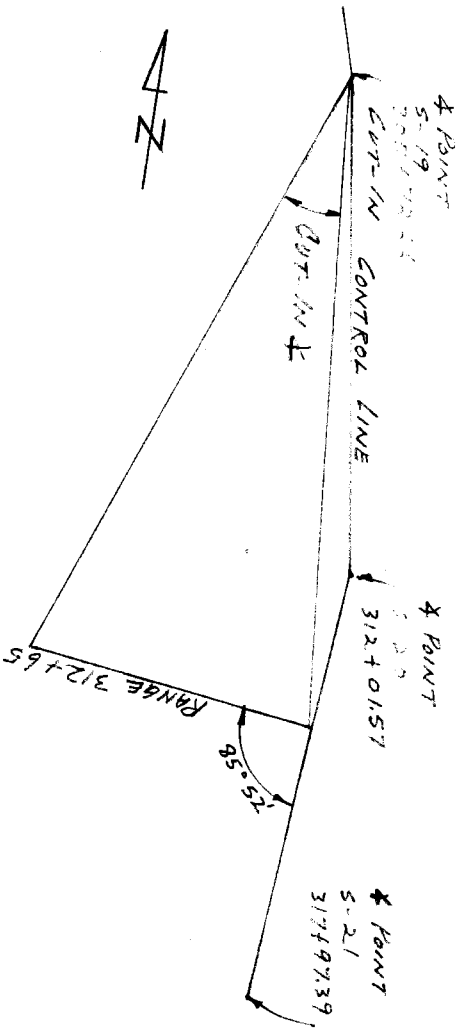
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
5-19	312+65		41	23.	52.				
			42	21.	27.				3126619
			43	19.	15.				
			44	16.	58.				
		7:43	45	15.	15.				3126620
				00.	00.				
				00.	00.				
				00.	00.				3126621
				90.	23.				
				00.	00.				
				00.	00.				3126604
				00.	00.				
				00.	00.				
				00.	00.				3126605



Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 4 F. B. ____ Pg. 125

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

Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____

Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2809 PG. 196 | Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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.	314+65	
		18.17			TRANSIT AT S-21	
314+65			0.63	17.54	0° 00'	CONT. LINE
			1.0	17.2	01° 38'	EDGE PVT.
			3.0	15.2	02° 57'	SAND.
			4.8	13.4	03° 51'	"
			7.2	11.0	06° 00'	"
			12.6	5.6	10° 47'	"
			13.5	4.7	11° 52'	M.H.T.
T.P.	1.40	7.45	12.12	6.05		
			6.7	0.8	17° 09'	
			7.7	-0.4	23° 24'	
			8.2	-0.8	28° 42'	
			9.0	-1.5	32° 47'	
			11.0	-3.5	37° 45'	
			13.5	-6.0	42° 16'	
			14.5	-7.0	46° 39'	
			17.3	-9.8	51° 27'	

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No.
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked R. CLARKE
Job No.
Survey of REDONDO BEACH TYPE SUBDIVISION
Survey by Notes Date
Map No. Indexed H. F. OTT Date
Division No. 11
F.B. 2907 Pg. 157

F.B. 2809 Pg. 168 | 030002

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

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-296 CE 307 2-63

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76L298 307 Cdb 12-62

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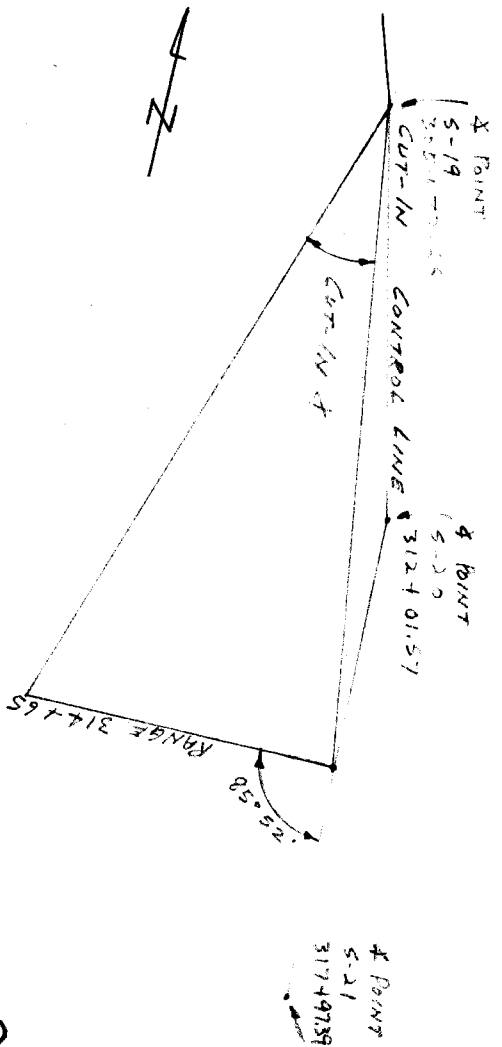
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
S-19	3144 65	7:56	1	65.	05.			
			2	64.	33.			
			3	64.	04.			3146606
			4	63.	31.			
			5	62.	54.			
			6	62.	32.			3146607
			7	62.	11.			
			8	61.	27.			
			9	60.	43.			3146608
			10	60.	03.			
			11	59.	16.			
			12	58.	34.			3146609
			13	57.	29.			
			14	56.	42.			
			15	55.	51.			3146610
			16	54.	49.			
			17	53.	51.			
			18	52.	57.			3146611
			19	51.	46.			
			20	50.	39.			

(OVER)



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Do not extend notes this side of this line.

F. B. 2809 Pg. 160 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked No.

Indexed H. E. OIT Date Date Date

Inst. At	Sight On	Time D.S.T.	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					
S-19	31L465		21	49.	35.			3146612
			22	48.	17.			
			23	46.	32.			
			24	44.	51.			3146613
			25	43.	07.			
			26	41.	23.			
			27	39.	45.			3146614
			28	37.	46.			
			29	36.	11.			
			30	34.	26.			3146615
			31	32.	29.			
			32	31.	04.			
			33	30.	04.			3146616
			34	29.	03.			
			35	28.	34.			
			36	26.	58.			3146617
			37	24.	43.			
			38	22.	96.			
			39	22.	51.			3146618
			40	18.	38.			

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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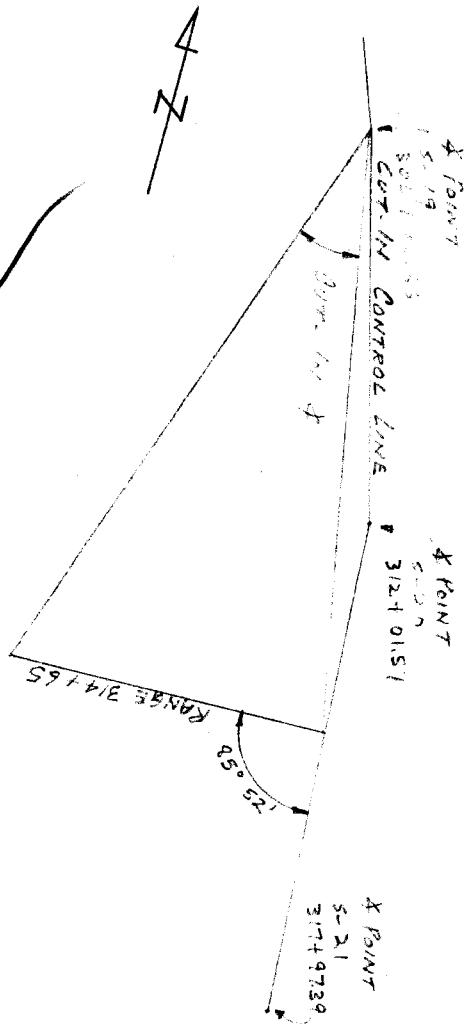
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
[illegible]	[illegible]		[illegible]	16.	38.			
		[illegible]	[illegible]	15.	41.			3146619
				00.	00.			
				00.	00.			
				00.	00.			3146620
				91.	13.			
				00.	00.			
				00.	00.			3146604
				00.	00.			
				00.	00.			
				00.	00.			3146605



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGINEER Notes MASTER Date MAY 21, 1964

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 1808 PG. 141

F. B. 2609 PG. 162 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.

761298 307 Gdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

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.	315+10	
		7.45				TRANSIT AT 5-21
315+10			17.3	-9.8	54° 59'	
			14.9	-7.4	49° 55'	
			11.9	-4.4	42° 50'	
			9.4	-1.9	37° 50'	
			8.6	-1.1	30° 56'	
			7.4	0.1	23° 56'	
			6.6	0.9	19° 23'	
			2.8	4.7	13° 48'	M.H.T.
T. P.	13.05	19.10	1.40	6.05		T. P.
			11.6	7.5	09° 37'	
			7.7	11.4	08° 17'	
			5.7	13.4	06° 28'	
			3.0	16.1	03° 00'	
			1.65	17.45	01° 58'	
			1.40	17.70	0° 00'	

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked R. CLARKE Date Job No. Survey of PIER BEACH HYD. SURVEY Survey by Map No. Index H. E. OTT Division No. 11 Notes Date Date F.B. 2809 Pg. 113

F.B. 2609 Pg. 164 | Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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

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76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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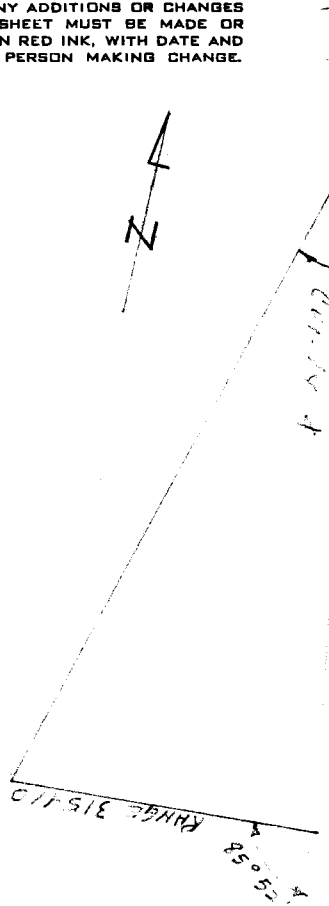
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 D.S.T.	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					
5-19	3151	8:19	1	64.	33.			
			2	64.	21.			
			3	64.	01.			3151106
			4	63.	18.			
			5	62.	40.			
			6	62.	08.			3151107
			7	61.	38.			
			8	61.	04.			
			9	60.	24.			3151108
			10	59.	49.			
			11	59.	20.			
			12	58.	09.			3151109
			13	57.	32.			
			14	56.	54.			
			15	56.	14.			3151110
			16	55.	37.			
			17	54.	52.			
			18	54.	11.			3151111
			19	52.	56.			
			20	52.	07.			



Profile Notes Red_____ Plotted_____ Job No. 2000-A Division No. 11

No._____ Date_____ Date_____ Survey of Hydrographic Survey Notes Date Nov 21 1934

X-Sec. Notes Chkd._____ Checked_____ Survey by Engineering Notes Date

No._____ Date_____ Date_____ Map No._____ Indexed H. E. Ott Date_____

F. B. 449 Pg. 165

76L298 307 Cdb 12-62

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F. B. 2809 Pg. 146 Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date Profile

Survey by H. E. OTT Notes MASUDA Notes Chkd. Checked X-Sec.

Indexed Date Date No. No.

Inst. At	Sight On	Time D.S.T.	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					
S-19	[illegible]		21	51.	16.			3151112
			22	50.	24.			
			23	49.	19.			
			24	48.	13.			3151113
			25	46.	[illegible].			
			26	[illegible].	[illegible].			
			27	[illegible].	[illegible].			3151114
			28	42.	[illegible].			
			29	[illegible].	[illegible].			
			30	[illegible].	[illegible].			3151115
			31	39.	31.			
			32	38.	16.			
			33	[illegible].	[illegible].			3151116
			34	34.	[illegible].			
			35	[illegible].	[illegible].			
			36	31.	17.			3151117
			37	29.	28.			
			38	[illegible].	[illegible].			
			39	[illegible].	[illegible].			3151118
			40	26.	12.			

76L298 307 Cdb 12-62

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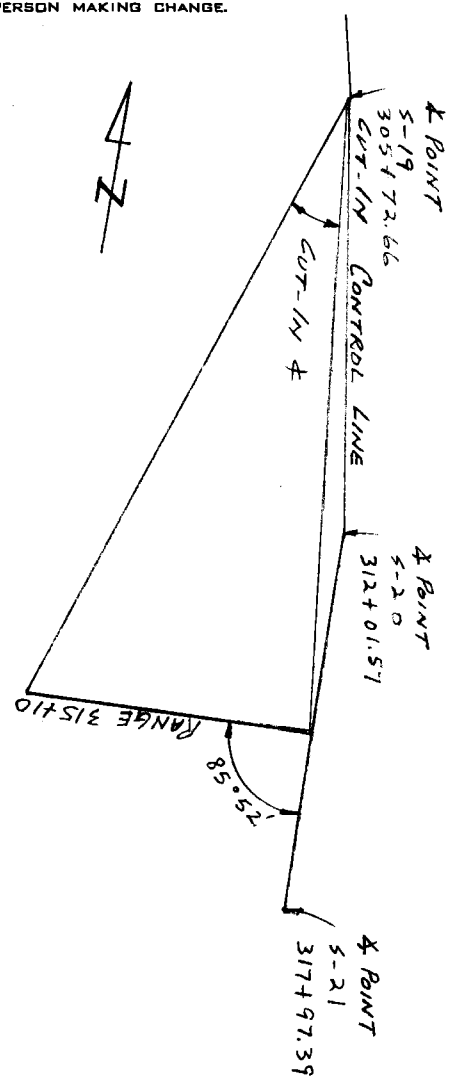
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
5-19	[illegible]		41	24.	00.			
			42	22.	27.			3151119
			43	20.	18.			
			44	17.	51.			
			45	[illegible].	22.			3151120
			[illegible]	14.	37.			
		8:27	47	[illegible].	31.			
				00.	00.			3151121
				00.	00.			
				00.	00.			
				00.	00.			3151122
				91.	22.			
				00.	00.			
				00.	00.			3151104
				00.	00.			
				00.	00.			
				00.	00.			3151105



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 7809 Pg. 127

No. Date Date Survey of AEROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked Survey by ENGLISH Notes PAS 1104 Date JULY 21, 1964

No. Date Date Map No. Indexed H. E. OTT Date

76L298 307 Cdb 12-62

PLEASE RETURN TO

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

Do not extend notes this side of this line.

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

Profile

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

Date _____ Date _____ Date _____ No. _____

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

Date _____ Date _____ Date _____ No. _____

Survey of _____

Survey by _____

Indexed _____

F. B. 7209 Pg. 148

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.	315+40	
		19.10				TRANSIT AT 5+21
315+40			1.30	17.80	0° 00'	CONT. LINE
			1.60	17.50	02° 10'	EDGE PUT.
			3.4	15.7	04° 12'	SAND.
			8.3	10.8	12° 03'	
			11.3	7.8	14° 28'	
			14.4	4.7	19° 31'	M.H.T.
T.P.	1.61	7.43	13.78	5.82	—	T.P.
			6.8	0.6	26° 37'	
			8.0	-0.6	34° 00'	
			8.9	-1.5	39° 52'	
			11.7	-3.8	43° 49'	
			12.9	-5.5	46° 55'	
			14.4	-7.0	50° 42'	
			15.5	-8.1	51° 49'	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. 03000 Division No. 11 F.B. 2409 Pg. 146
No. ____ X-Sec. Date ____ Date ____ Survey of RED BEACH UNIF. SURVEY
No. ____ Notes Chkd. ____ Checked R. CLARKE Survey by ELLIOTT Notes WEBB Date 1-21-67
Date ____ Date ____ Map No. ____ Index H. E. OTT Date ____

F. B. 2809 Pg. 170 | 030002

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

Survey of RED. BERCH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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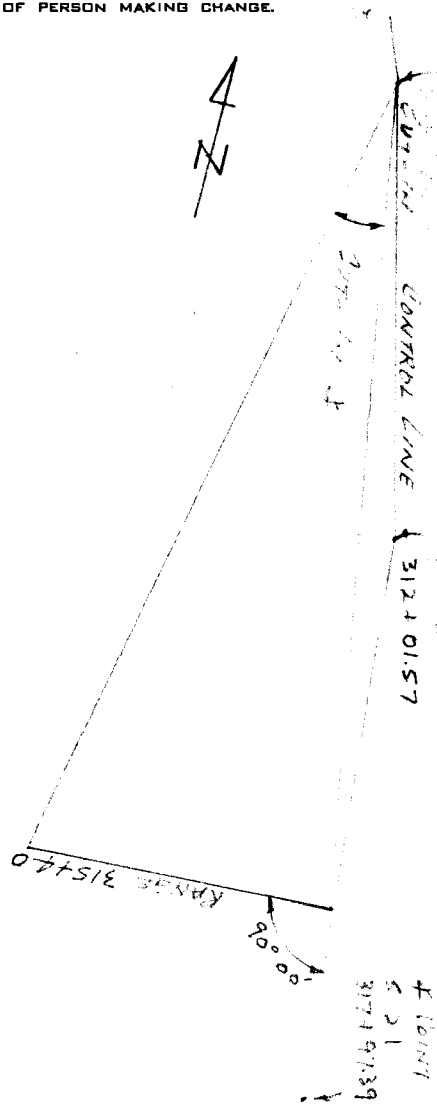
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 D.S.T.	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					
S-19	315+40	8:40	1	37.	31.			
			2	35.	13.			
			3	33.	22.			3154106
			4	31.	29.			
			5	30.	03.			
			6	28.	55.			3154107
			7	27.	24.			
			8	22.	54.			
			9	22.	27.			3154108
			10	22.	12.			
			11	20.	41.			
			12	19.	23.			3154109
			13	17.	26.			
			14	15.	39.			
			15	14.	09.			3154110
			16	12.	46.			
		8:42	17	11.	24.			
				00.	00.			3154111
				00.	00.			
				00.	00.			
				00.	00.			3154112



Profile Notes Red_____ Plotted_____ Job No 0300.02 Division No. 1 F. B. 2809 Pg. 171
No._____ Date_____ Date_____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd_____ Checked_____ Survey by ENGLISH Notes MSUDA Date JULY 24, 1964
No._____ Date_____ Map No._____ Indexed H. F. OTT Date_____

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No.	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				87.	19.			
				00.	00.			
				00.	00.			3154104
				00.	00.			
				00.	00.			
				00.	00.			3154105

Profile No. ____ Plotted ____ Date ____ Checked ____ Date ____

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

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

Survey of ____ Survey by ____ Indexed ____

F. B. 1209 Pg. 171

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.	317+00		
		7.43			TRANSIT AT 314+65.		
317+00			15.7	-8.3		48°	24'
			13.2	-5.8		47°	18'
			10.0	-2.6		42°	15'
			8.2	-0.8		37°	02'
			7.5	-0.1		30°	50'
			6.4	1.0		25°	02'
			2.7	4.7	M.H.T.	19°	47'
T.P.	13.87	17.71	11.61	5.82	T.P.		
			7.8	11.9		08°	51'
			5.6	14.1		06°	52'
			3.2	16.5		03°	30'
			1.42	18.31	EDGE PVT.	01°	48'
			1.14	18.57	CONTROL LINE	0°	00'

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 2300 Division No. 11 F. B. 2605 Pg. 173
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked R. CLARKE Survey of RED BEACH HYD. SURVEY Notes ____ Date ____
Date ____ Map No. ____ Indexed H. E. OTT Date ____ Survey by ____

F. B. 2209 Pg. 174 | Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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76-L-288 CE 307 2-63

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 D.S.T.	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					
S-19	317+00	8:56	1	33.	49.			
			2	32.	22.			
			3	31.	33.			3170106
			4	30.	21.			
			5	29.	17.			
			6	27.	52.			3170107
			7	26.	24.			
			8	25.	01.			
			9	23.	31.			3170108
			10	21.	56.			
			11	20.	05.			
			12	18.	33.			3170109
			13	16.	08.			
			14	14.	52.			
			15	13.	36.			3170110
			16	12.	20.			
			17	11.	17.			
		8:59	18	9.	27.			3170111
				00.	00.			
				00.	00.			
				00.	00.			3170112

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1109 PG. 175

No. ____ Date ____ Date ____ Survey of ____ Notes ____ Date ____

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only		
						Range Line		Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch			Deg.	Min.	
				91.	50.			
				00.	00.			
				00.	00.			3170104
				00.	00.			
				00.	00.			
				00.	00.			3170105

Profile No. ____ X-Sec. No. ____

Plotted ____ Date ____ Checked ____ Date ____

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

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

F. B. 2209 Pg. 170

Survey of ____

Survey by ____

Indexed ____

76-L-296 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.	319+00	
		19.71		18.50		TRANSIT AT 322+00
B.M.S-21	1.26	19.76	1.05	~~18.66~~	B.M. S-21 EL. = 18.50 FB. 2100 -1.58	
					L. & T. IN PVT.	
319+00			0.67	19.09	0° 00'	CONTROL LINE
			0.75	19.01	01° 28'	TOP CURB.
			1.0	18.8	02° 17'	BK.
			2.9	16.9	04° 28'	
			4.3	15.5	06° 57'	
			8.2	11.6	09° 40'	
			12.2	7.6	14° 30'	
			15.1	4.7	18° 05'	M.H.T.
T.P.	1.49	6.80	14.45	5.31		T.P.
			6.1	0.7	25° 37'	
			7.2	-0.4	32° 18'	
			7.8	-1.0	38° 30'	
			9.3	-2.5	49° 18'	
			11.9	-5.1	50° 15'	
			15.0	-8.2	56° 09'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 03000 Division No. 11 F.B. 2809 Pg. 177
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked R. CLARKE Survey of REDONDO BEACH HYD. SURVEYS
Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2209 Pg. 178 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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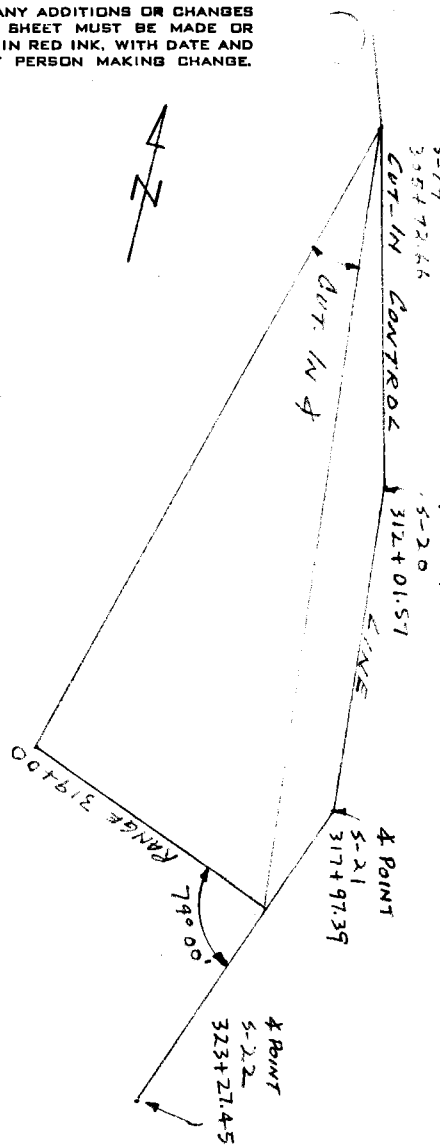
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
5-19	319+00	9:54	1	28.	47.			
			2	27.	23.			
			3	25.	57.			3190106
			4	24.	53.			
			5	23.	08.			
			6	—				
			7	20.	40.			3190107
			8	19.	17.			
			9	17.	59.			
			10	16.	23.			3190108
			11	14.	44.			
			12	13.	43.			
			13	12.	27.			3190109
			14	10.	52.			
			15	9.	22.			
			16	8.	23.			3190110
		9:59	17.	7.	32.			
				00.	00.			
				00.	00.			3190111

(over)



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F.B. 1819 Pg. 112

No. ____ Date ____ Date ____ Survey of ____ SURVEY

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

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00.	00.			
				00.	00.			3190112
				00.	00.			
				92.	16.			
				00.	00.			
				00.	00.			3190104
				00.	00.			
				00.	00.			
				00.	00.			3190105

Profile

Division No. ____ Plotted ____ No. ____

Job No. ____ Notes Red. ____ Date ____ X-Sec. ____

Notes ____ Date ____ Notes Chkd. ____ Checked ____ No. ____

Date ____ Date ____

F. B. 2801 Pg. 160

Survey of ____

Survey by ____

Indexed ____

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.	320+50	
		6.80				TRANSIT AT 322+00
320+50			13.5	-6.7	69° 25'	
"			10.7	-3.9	63° 02'	
"			8.6	-1.8	57° 48'	
"			7.1	-0.3	53° 34'	
"			6.5	0.3	43° 27'	
"			4.0	2.8	35° 58'	
"			2.1	4.7	31° 30'	
T.P.	14.20	19.51	1.49	5.31	—	M.H.T. T.P.
			10.4	9.1	22° 10'	
			3.3	16.2	11° 45'	
			1.1	18.4	05° 13'	
		+	0.1	19.6	03° 28'	TOP CURB
		+	0.2	19.7	0° 00'	CONTROL LINE
B.M. 5-21			0.99	18.52	B.M. 5-21 ELEV. 18.50 F.B. 2100-150 L.S.T. IN MEC. PUT.	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. ____ Plotted ____ Job No. 03000.02 Division No. 11 F.B. 2089 Pg. 181
No. ____ Date ____ Date ____ Survey of RED BEACH HYD. SURVEY
X-Sec. ____ Notes Chkd. ____ Checked R. CLARK Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 1809 Pg. 182 | 0300.02

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

Survey of RED BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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

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

76-L-298 CE 307 2-53

76L298 307 Cdb 12-62

PLEASE RETURN TO

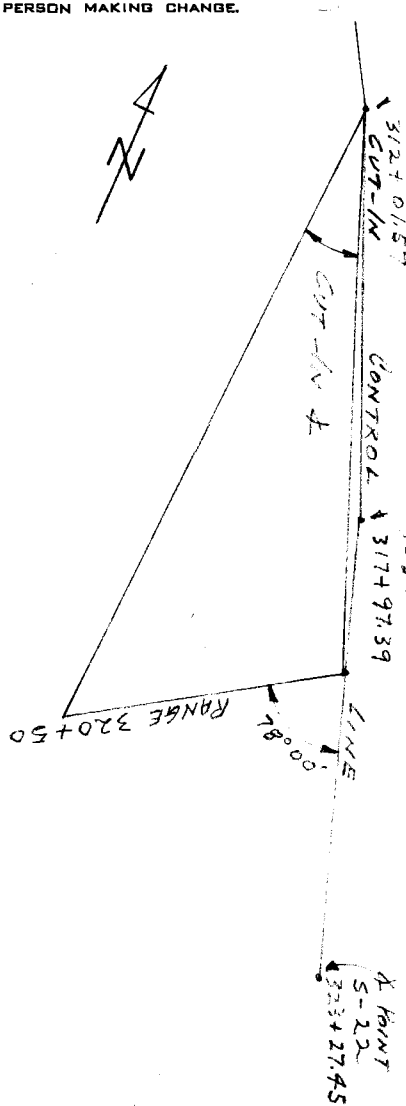
LOS ANGELES COUNTY SURVEYOR

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 D.S.T.	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					
S-20	320+50	6:20	1	41.	39.			
			2	40.	21.			
			3	38.	13.			3205106
			4	36.	36.			
			5	34.	15.			
			6	33.	42.			3205107
			7	30.	41.			
			8	28.	29.			
			9	26.	12.			3205108
			10	23.	38.			
			11	21.	03.			
			12	18.	51.			3205109
			13	16.	15.			
		6:22	14	14.	19.			
				00.	00.			3205110
				00.	00.			
				00.	00.			
				00.	00.			3205111



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2125 Pg. 153

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY Date MAY 23 1961

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Notes Date

Job No. Notes Date

F. B. 2809 Pg. 181

Survey of

Survey by

Indexed

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				96.	51.			
				00.	00.			
				00.	00.			3205104
				00.	00.			
				00.	00.			
				00.	00.			3205105

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.

7.00
4.7
2.3

76
4.7
2.9

STATION	B. S.	H. I.	F. S.	ELEV.	322+00	
					TRANSIT AT S-21	SIGHT ON S-22
B.M.S-22	0.98	21.59		20.61	B.M.S-22 EL.= 20.61 FB.2100-157	
					BR. CAP MON.	
322+00			1.00	20.59		0° 00' CONTROL LINE
"			1.22	20.37		1° 20' TOP CURB.
"			1.8	19.8		1° 40' SAND.
"			4.5	17.1		2° 35'
"			10.0	11.6		5° 35'
"			15.1	6.5		9° 35'
" T.P.	0.72	7.61	14.70	6.89		
"			2.9	4.7		11° 03' M.H.T.
"			6.2	1.4		15° 10'
"			7.1	0.5		19° 18'
"			8.0	-0.4		27° 32'
"			9.5	-1.9		28° 00'
"			11.3	-3.7		30° 10'
"			13.4	-5.8		33° 30'
"			15.8	-8.2		37° 15'

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked R. CLARKE Date Job No. 63000.02 Survey of RED BEACH HYD. SURVEY Survey by RICHARDS Notes Rec'd Date 7-22-64 Map No. Indexed H. E. OT Date Division No. 11

F.B. 2805 Pg. 185

F.B. 2869 Pg. 186 | Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

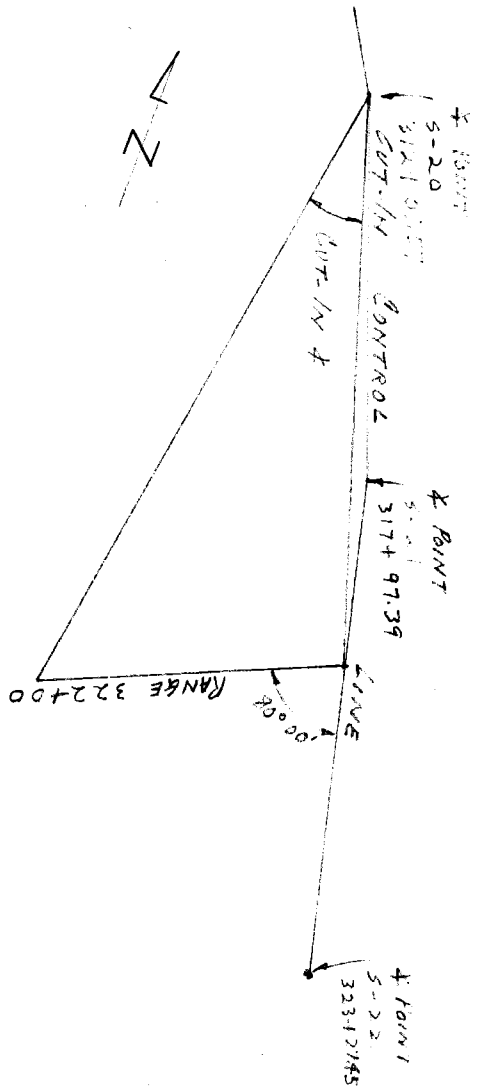
LOS ANGELES COUNTY SURVEYOR

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 D.S.T.	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					
5-20	322+00	7:06	1	46.	04.			
			2	45.	12.			
			3	44.	36.			3220106
			4	43.	33.			
			5	42.	53.			
			6	42.	08.			3220107
			7	41.	37.			
			8	40.	41.			
			9	39.	45.			3220108
			10	38.	48.			
			11	37.	55.			
			12	37.	11.			3220109
			13	36.	25.			
			14	35.	22.			
			15	34.	18.			3220110
			16	32.	09.			
			17	32.	07.			
			18	30.	25.			3220111
			19	28.	29.			
			20	26.	31.			



Profile

No. Date Date Date

X-Sec. Notes Chkd. Checked

No. Date Date Date

Notes Red. Plotted Job No. 03300.02 Division No. 11

Survey of HYDROGRAPHIC SURVEY

Survey by ENGELISH Notes MASUDA Date JULY 22, 1964

Map No. Index H. E. OTT Date

F. B. 329 PG. 37

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
S-20	322+00		21	24.	29.			3220112
			22	22.	24.			
			23	19.	59.			
			24	17.	39.			3220113
			25	15.	03.			
			26	13.	07.			
		7:10	27	12.	03.			3220114
				00.	00.			
				00.	00.			
				00.	00.			3220115
				95.	37.			
				00.	00.			
				00.	00.			3220104
				00.	00.			
				00.	00.			
				00.	00.			3220105

F. B. 2809 Pg. 133 Profile

Survey of HYDROGRAPHIC SURVEY Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey by ENGLISH Notes MASUDA Date Date X-Sec.

Indexed H. E. OTT Date Notes Chkd. Checked Date No.

76-L-298 CE 307 2-63

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

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

7.6
4.7
2.9

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	323+00	
					TRANSIT AT 327+00 SIGHT ON 323+00	
323+00		7.61	15.6	- 8.0	49° 30′	
"			13.4	- 5.8	43° 15′	
"			10.6	- 3.0	36° 10′	
"			9.1	- 1.5	30° 45′	
"			8.2	- 0.6	24° 50′	DATUM MEAN LOWER LOW WATER
"			7.3	0.3	18° 28′	
"			6.2	1.4	13° 32′	
"			2.9	4.7	10° 40′	M. H. T.
T.P	14.50	21.48	0.63	6.98		
"			10.3	11.2	5° 05′	
"			4.0	17.5	1° 35′	
"			1.0	20.5	0° 49′	
"			0.6	20.9	0° 00′	CONTROL LINE
B.M. S-22 T.P			0.86	20.~~62~~ 61	B.M. S-22 EL. = 20.61 - FB. 2100 - 15.8 B.R. CAP. MON. DN. 2"	

Profile Notes Red. Plotted
No. X-Sec. Date Date
No. Notes Chkd. Date Chkd. K. R. CLARKE Date
Survey of KED. BEACH HYD. SURVEY
Survey by RICHARDS Notes R. S. Date 7-22-64
Job No. 0300.02 Division No. 11
Map No. Index H. E. OTT Date
F. B. 2809 Pg. 129

F. B. 2809 Pg. 190 | 030002

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

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-288 CE 307 2-63

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

76L298 3D7 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

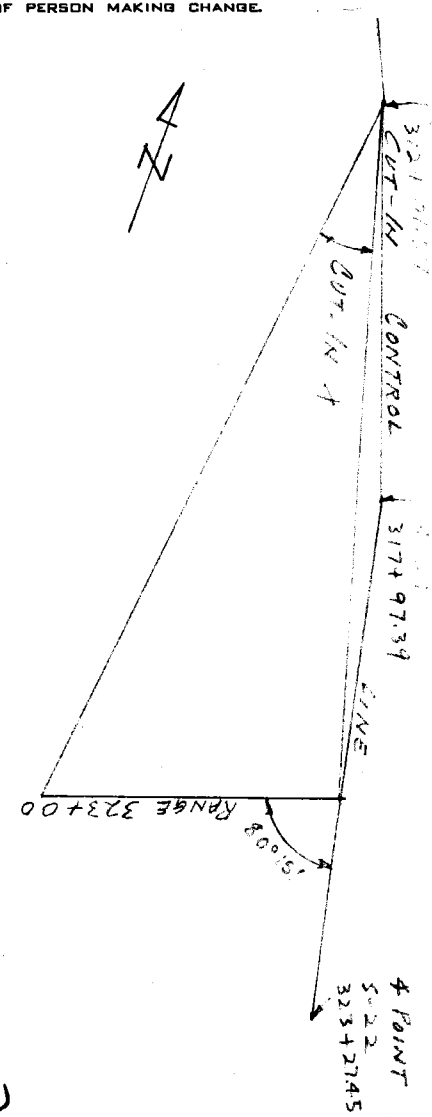
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 D.S.T.	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					
S-20	323+00	7:28	1	43.	38.			
			2	43.	05.			
			3	42.	22.			3230106
			4	41.	45.			
			5	41.	01.			
			6	40.	04.			3230107
			7	39.	24.			
			8	38.	44.			
			9	38.	10.			3230108
			10	37.	29.			
			11	36.	29.			
			12	36.	14.			3230109
			13	35.	24.			
			14	34.	22.			
			15	33.	19.			3230110
			16	32.	38.			
			17	31.	44.			
			18	30.	54.			3230111
			19	30.	09.			
			20	29.	09.			

(over)



Profile Notes Red_____ Plotted_____ Job No. 0300.02 Division No. 11 F. B. 1198 Pg. 191

No._____ Date_____ Date_____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd._____ Checked_____ Survey by ENGLISH Noted HASKUDA Date JULY 22, 1964

No._____ Date_____ Date_____ Map No._____ Index H. E. OTT Date_____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2209 Pg. 18 Job No. 4300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked No.

Indexed H. E. OTT Date Date Date

Inst. At	Sight On	Time D.S.T.	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					
S-20			21	27.	46.			3230112
			22	26.	07.			
			23	24.	15.			
			24	22.	16.			3230113
			25	20.	13.			
			26	17.	51.			
			27	16.	02.			3230114
			28	14.	18.			
			29	12.	33.			
			30	11.	09.			3230115
			31	10.	01.			
		7:33	32	08.	37.			
				00.	00.			3230116
				00.	00.			
				00.	00.			
				00.	00.			3230117

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.

7 c
4.7
2 4

STATION	B. S.	H. I.	F. S.	ELEV.	324+00	
					TRANSIT ON 327+00 SIGHT ON S-22	
B.M. S-22	0.86	21.47		20.61	B.M. S-22 EL. = 20.61 FB. 2100-158 BRASS CAP MON. DN. 2"	
324+00			022	21.3	0° 00'	CONTROL LINE
"			040	21.1	00° 45'	TOP CURB
"			060	20.9	1° 40'	SAND
"			10.3	10.2	7° 10'	
"			15.2	6.3	12° 40'	
" T.P	0.88	7.60	14.75	6.72		
"			2.9	4.7	14° 30'	M.H.T.
"			6.8	0.8	20° 05'	
"			7.2	0.4	23° 40'	
"			7.6	0.0	30° 05'	
"			8.3	- 0.7	35° 20'	
"			10.1	- 2.5	41° 20'	
"			12.3	- 4.7	45° 50'	
"			14.7	- 7.1	50° 00'	
"			16.0	- 8.4	52° 55'	

DATUM
MEAN LOWER LOW WATER

Profile No. 2-Sec. Notes Red. Date Notes Blue Date Plotted Date Checked K. R. CLARKE Date Job No. 03000.02 Survey of RED BEACH HYD. SURVEY Survey by RICHARDS Date 7-22-69 Division No. 11 Map No. Indexed H. E. OTT Date F.B. 7209 Pg. 143

F.B. 2809 Pg. 194 | 0300.02

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

Survey of RED. BEACH HYD. SURVEY _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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

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

76-L-288 CE 307 2-63

76L298 307 Cdb 12-62

PLEASE RETURN TO

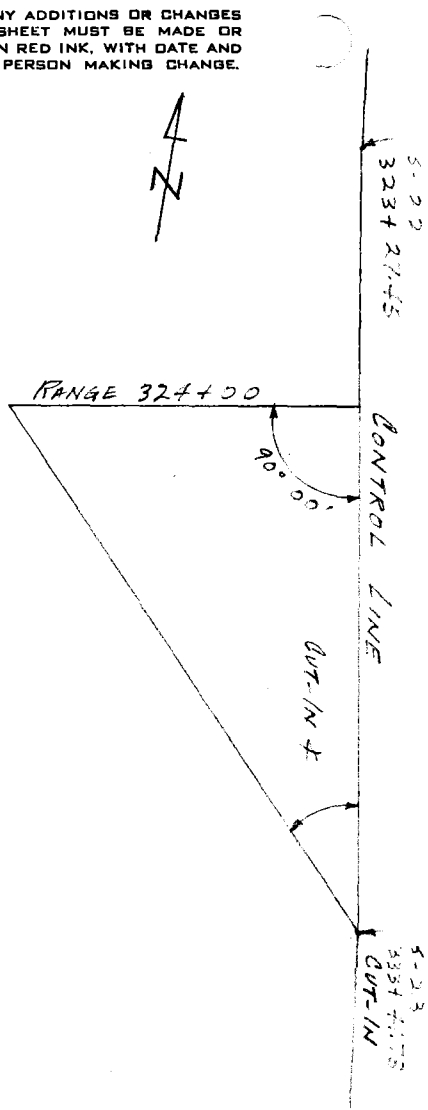
LOS ANGELES COUNTY SURVEYOR

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 D.S.T.	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					
S-23	S-22	7:48	1	57.	43.			
			2	57.	30.			
			3	—				
			4	55.	19.			3240104
			5	54.	04.			
			6	52.	45.			
			7	51.	17.			3240105
			8	49.	54.			
			9	49.	01.			
			10	47.	35.			3240106
			11	45.	22.			
			12	45.	10.			
			13	44.	07.			3240107
			14	43.	09.			
			15	41.	16.			
			16	39.	19.			3240108
			17	37.	40.			
			18	35.	51.			
			19	33.	49.			3240109
			20	31.	51.			



Profile Notes Red____ Plotted____ Job No. 030002 Division No. 11 F. B. 138 Pg. 165

No.____ Date____ Date____ Survey of HYDROGRAPHIC SURVEY Date JULY 22, 1964

X-Sec. Notes Chkd.____ Checked____ Survey by EVERETT Notes MASTER Date

No.____ Date____ Date____ Map No.____ Indexed H. E. OTT Date

(OVER)

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. 2309 PG. 194 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked X-Sec.

Indexed H. E. OTT Date Date Date No.

Inst. At	Sight On	Time D.S.T.	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					
5-23	5-22		21	29.	51.			
			22	26.	56.			3240110
			23	24.	22.			
			24	21.	50.			
			25	19.	12.			3240111
			26	16.	32.			
			27	14.	42.			
			28	12.	58.			3240112
		7:52	29	10.	59.			
				00.	00.			
				00.	00.			3240113
				00.	00.			
				00.	00.			
				00.	00.			3240114
				90.	00.			
				00.	00.			
				00.	00.			3240115
				00.	00.			
				00.	00.			
				00.	00.			3240116

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.	325+50	
					TRANSIT AT 327+00 SIGHT ON 5.22	
325+50		7.60	16.5	- 8.9	71° 20'	
"			13.9	- 6.3	69° 40'	
"			11.4	- 3.8	65° 08'	
"			8.9	- 1.3	60° 45'	
"			7.8	- 0.2	55° 20'	DATUM MEAN LOWER LOW WATER
"			7.5	0.1	48° 45'	
"			7.0	0.6	42° 15'	
"			4.8	2.8	33° 30'	
"			2.9	4.7	29° 35'	M. H. T.
" T.P.	15.82	22.55	0.87	6.73		
"			11.8	10.8	19° 28'	
"			11.7	10.9	14° 20'	
"			6.9	15.7	10° 40'	
"			3.7	18.9	5° 35'	
"			1.5	21.1	4° 00	
"			0.85	21.70	2° 10'	TOP CURB
"			0.75	21.80	0° 00'	CONTROL LINE
"						
"						

Profile No. X-Sec. No.
Notes Rel. Date
Notes Chkd. Date
Plotted Date
Checked R. R. CLARKE
Job No. 0300.02
Division No. 11
Survey of RED, BEACH HYD. SURVEY
Survey by RICHARDS Notes R. S. Date 7-22-64
Map No.
Indexed H. E. OTT Date
F. B. 2609 Pg. 187

F. B. 2809 Pg. 198 | 0300.02

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

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

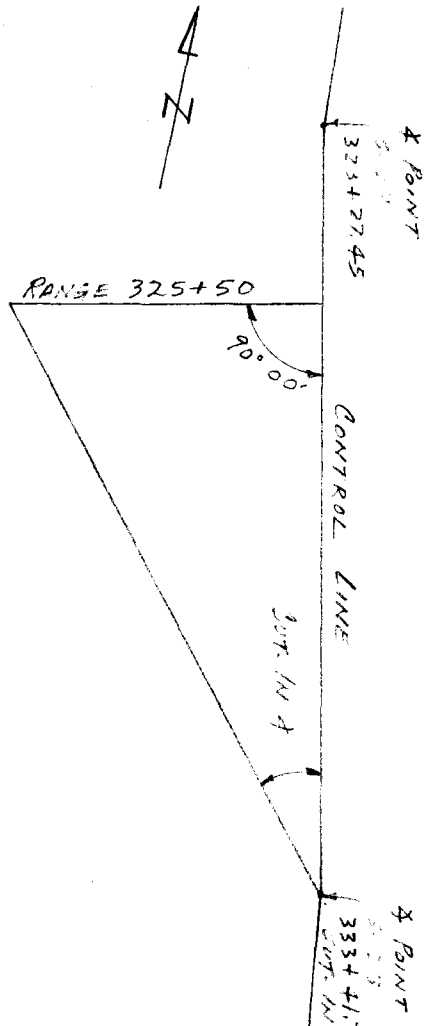
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
S-23	S-22	8:03	1	68.	15.			
			2	68.	05.			
			3	67.	27.			3255104
			4	66.	56.			
			5	66.	11.			
			6	65.	29.			3255105
			7	64.	39.			
			8	63.	48.			
			9	63.	09.			3255106
			10	62.	23.			
			11	61.	38.			
			12	60.	48.			3255107
			13	59.	33.			
			14	58.	18.			
			15	56.	59.			3255108
			16	55.	47.			
			17	54.	13.			
			18	52.	44.			3255109
			19	51.	02.			
			20	49.	47.			

(OVER)



Profile Notes Red ____ Plotted ____ Job No. 0300.07 Division No. 11 F. B. 1350 Pg. 192

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes MASUDA Date JULY 22, 1964

No. ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	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					
S-23	S-22		21	48.	09.			3255110
			22	46.	05.			
			23	43.	54.			
			24	41.	54.			3255111
			25	39.	22.			
			26	37.	28.			
			27	34.	37.			3255112
			28	31.	49.			
			29	29.	23.			
			30	26.	50.			3255113
			31	24.	09.			
			32	20.	35.			
			33	18.	39.			3255114
			34	16.	37.			
		8:09	35	14.	48.			
				00.	00.			3255115
				00.	00.			
				00.	00.			
				00.	00.			3255116

F. B. 2305 Pg. 100 Job No. 0200.02 Division No. 11 Notes Red. Plotted Profile No.

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

Survey by ENGLISH Notes HASHIDA Notes Chkd. Checked

Indexed H. E. OTT Date Date 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.

7.6
4.7
2.8

STATION	B. S.	H. I.	F. S.	ELEV.	327+00	
					TRANSIT AT 324+00	SIGHT ON 327+00
327+00		22.55	0.18	22.37		0° 00' CONTROL LINE
"			0.20	22.35		1° 30' CURB
"			1.4	21.2		2° 40'
"			4.9	17.7		4° 50'
"			8.8	13.8		6° 25'
"			13.6	9.0		10° 35'
"			16.1	6.5		14° 08'
" T.P.	0.52	7.52	15.55	7.00		
"			2.8	4.7		16° 00' M.H.T.
"			6.5	1.0		19° 35'
"			7.3	0.2		26° 25'
"			8.0	- 0.5		32° 00'
"			8.5	- 1.0		35° 40'
"			9.0	- 1.5		40° 25'
"			10.2	- 2.7		44° 00'
"			11.8	- 4.3		47° 30'
"			13.1	- 5.6		50° 05'
"			14.6	- 7.1		52 25'

DATUM
MEAN LOWER LOW WATER

Profile No. 1-Sta. Notes Red. Date Notes Chkd. Date Plotted Date Checked R. R. CLARK Date Job No. 03000.02 Survey of RED. BEACH HYD. SURVEY Survey by R. RICHARDS Notes R. S. Date 7-22-64 Map No. Indexed H. E. OTT Date Division No. 11 F.B. 2805 Pg. 201

F. B. 2209 Pg. 22 | 03000 2 Job No. Division No. 11 Notes Red Plotted Profile

Survey of RED. BEACH HYD. SURVEY Date Date No.

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

Indexed Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	
327+00		7.52	15.6	-8.1	TRANSIT AT 327+00 SIGHT ON 327+00 53° 40'

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

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76L298 307 Cdb 12-62

PLEASE RETURN TO

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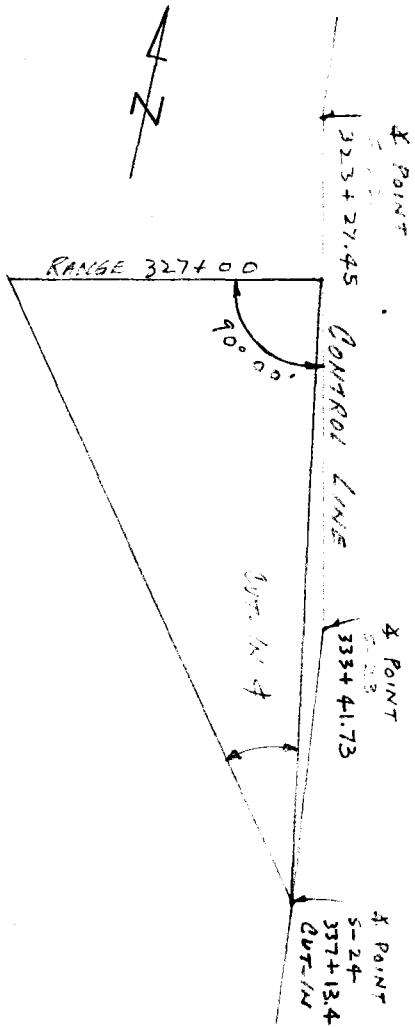
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
S-24	327+00	8:21	1	67.	28.			
			2	67.	03.			
			3	66.	40.			3270104
			4	66.	15.			
			5	65.	35.			
			6	64.	59.			3270105
			7	64.	26.			
			8	63.	49.			
			9	63.	12.			3270106
			10	62.	31.			
			11	61.	47.			
			12	60.	59.			3270107
			13	60.	22.			
			14	59.	41.			
			15	58.	43.			3270108
			16	57.	47.			
			17	56.	44.			
			18	55.	42.			3270109
			19	54.	20.			
			20	53.	11.			

(OVER)



Profile Notes Red ____ Plotted ____ Job No. 1300.02 Division No. 11 F. B. ____ Pg. 203

No. ____ Date ____ Date ____ Survey of LEVELING Notes MESSED Date MAY 22, 1967

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. L. UIT Date ____

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
5-24	327100		21	51.	55.			3270110
			22	50.	14.			
			23	48.	51.			
			24	47.	27.			3270111
			25	46.	03.			
			26	44.	22.			
			27	42.	26.			3270112
			28	40.	29.			
			29	38.	02.			
			30	36.	09.			3270113
			31	33.	37.			
			32	31.	49.			
			33	29.	34.			3270114
			34	27.	21.			
			35	24.	50.			
			36	22.	06.			3270115
			37	19.	12.			
			38	16.	31.			
			39	15.	29.			3270116
		8:28	40	13.	59.			

F. B. 2809 Pg. 204 Job No. 0300-02 Division No. 11 Notes Red. Plotted Profile No.

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

Survey by ENGLISH Notes HASUDA Notes Chkd. Checked

Indexed H. E. OTT Date Date 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.	328+16	
					TRANSIT AT 329+00	SIGHT ON 328+16
328+16		7 52	16.0	- 8.5		45° 25'
"			14.2	- 6.7		41° 45'
"			11.8	- 4.3		36° 50'
"			9.4	- 1.9		32° 35'
"			8.0	- 0.5		27° 30'
"			7.3	0.2		20° 25'
"			6.5	1.0		15° 35'
"			2.8	4.7		12° 25' M.H.T.
" T.P.	15 25	22 25	0.52	7.00		
"			12.0	10.3		8° 05'
"			8.3	14.0		4° 45'
"			3.7	18.6		3° 20'
"			1.2	21.1		2° 03'
"			0.50	21.75		1° 13' T.C.
"			0.50	21.75		0° 00' CONT. LN.

DATUM
MEAN LOWER LOW WATER

Profile Notes Red _____ Plotted _____ Job No. 03000.2 Division No. 11 F.B. 2809 Pg. 2005
No. X-Sec. Date _____ Date _____ Survey of RED BEACH HYD. SURVEY
No. Notes Chkd. Date _____ Checked R. CLARKE Survey by RICHARDS Notes R.S. Date 7-22-64
Date _____ Map No. _____ Indexed H. E. OTT Date _____

F.B. 2809 Pg. 206 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

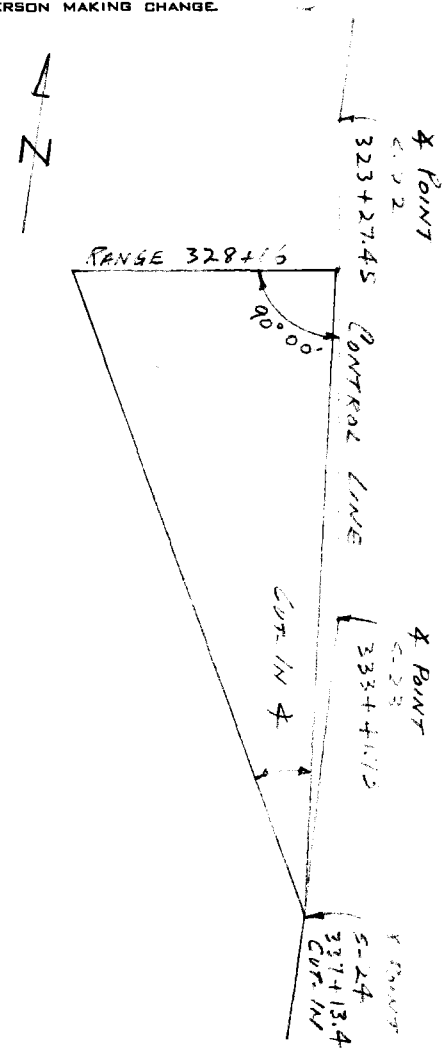
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
S-24	328+16	8:37	1	70.	54.			
			2	70.	21.			
			3	69.	55.			3281704
			4	69.	31.			
			5	68.	54.			
			6	68.	24.			3281705
			7	67.	57.			
			8	67.	11.			
			9	66.	32.			3281706
			10	65.	47.			
			11	65.	05.			
			12	63.	51.			3281707
			13	62.	42.			
			14	61.	35.			
			15	60.	28.			3281708
			16	59.	18.			
			17	59.	22.			
			18	55.	25.			3281709
			19	54.	14.			
			20	52.	37.			

(OVER)



Profile Notes Red ____ Plotted ____ Job No. 0300.03 Division No. 11 F. B. ____ Pg. 207

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by FAGERLSH Notes MASUDA Date JULY 22, 1964

No. ____ Date ____ Date ____ Map No. ____ Index H. E. OTT Date ____

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 D.S.T.	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					
5-24	328416		21	50.	35.			3281710
			22	48.	32.			
			23	46.	13.			
			24	43.	37.			3281711
			25	41.	22.			
			26	39.	[illegible]			
			27	36.	16.			3281712
			28	31.	01.			
			29	27.	39.			
			30	24.	23.			3281713
			31	21.	15.			
			32	17.	32.			
			33	15.	[illegible]			3281714
		8:44	34	13.	[illegible]			
				00.	00.			
				00.	00.			3281715
				00.	00.			
				00.	00.			
				00.	00.			3281716

F. B. 2809 Pg. 208

Job No. 03.00.02 Division No. 11

Survey of HYDROGRAPHIC SURVEY

Survey by ENGLIGHT Notes MASUDA

Indexed H. E. OTT Date

Profile No. X-Sec. No.

Plotted Date

Checked Date

Notes Red. Date

Notes Chkd. Date

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

8.5
4.7
3.6

STATION	B. S.	H. I.	F. S.	ELEV.	328+44	
					TRANSIT AT 328+00	SIGHT ON 328+44
328+44		22.25	0.60	21.65		0° 00' CONT. LN.
"			0.65	21.60		1° 08' T. CURB
"			1.5	20.8		2° 03'
"			7.8	14.5		4° 46'
"			10.6	11.7		7° 45'
"			13.3	9.0		9° 35'
"			15.4	6.9		11° 40'
" T.P.	0.96	8.27	14.94	7.31		
"			3.6	4.7		13° 35' M.H.T.
"			7.6	0.7		16° 20'
"			8.9	-0.6		19° 50'
"			10.6	-2.3		24° 25'
"			10.0	-1.7		28° 45'
"			10.8	-2.5		32° 50'
"			12.9	-4.6		37° 10'
"			15.0	-6.7		40° 35'
"			16.8	-8.5		43° 50'

DATUM
MEAN LOWER LOW WATER

Profile No. 1-Sec. Date
Notes Red. Date
Notes Ckd. Date
Plotted Date
Checked R. CLARKE Survey by RICHARDS Notes F.S. Date 7-22-64
Job No. 03000.2
Division No. 11
Survey of RED. BEACH HYD. SURVEY
Map No.
Indexed H. E. OTT Date
F.B. 2909 Pg. 29

F. B. 289 Pg. 210 | 030002

Job No. Division No. 11 Notes Red Plotted Profile

Survey of RED. BEACH HYD. SURVEY Date Date No.

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

Indexed Date Date Date No.

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

76-L-298 CE 307 2-63

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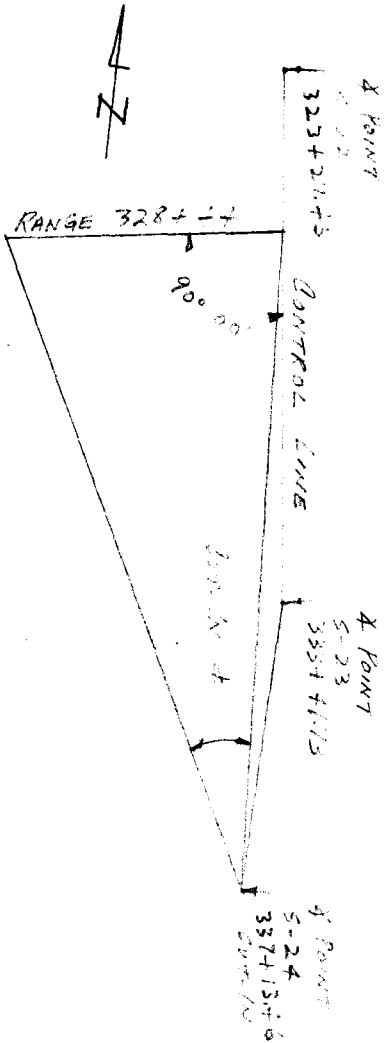
726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE 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 D.S.T.	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					
S-24	327144	8:51	1	61.	09.			
			2	60.	18.			
			3	59.	09.			3284504
			4	57.	44.			
			5	55.	55.			
			6	54.	11.			3284505
			7	51.	56.			
			8	49.	55.			
			9	47.	43.			3284506
			10	45.	56.			
			11	43.	37.			
			12	41.	04.			3284507
			13	37.	38.			
			14	33.	23.			
			15	29.	51.			3284508
			16	26.	27.			
			17	22.	37.			
			18	21.	25.			3284509
			19	17.	57.			
			20	15.	31.			



Profile Notes Red_____ Plotted_____ Job No. 0300.92 Division No. 11 F. B. 19.8 Pg. 24

No._____ Date_____ Date_____ Survey of HYDROGRAPHIC SURVEY Date JULY 22, 1964

X-Sec. Notes Chkd._____ Checked_____ Survey by EMPIRICAL Notes HASUDA

No._____ Date_____ Date_____ Map No._____ Indexed H. E. OTT Date_____

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
S-24	328452		21	13.	23.			3284510
		8:55	22	12.	25.			
				00.	00.			
				00.	00.			3284511
				00.	00.			
				00.	00.			
				00.	00.			3284512
				88.	57.			
				00.	00.			
				00.	00.			3284513
				00.	00.			
				00.	00.			
				00.	00.			3284514

F. B. 2307 Pg. 212 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile No.

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

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked

Indexed H. E. OTT Date Date Date

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.	330+00	
					TRANSIT AT 324+00	SIGHT ON 330+00
330+00		8.27	18.1	- 9.8		35° 40'
"			16.2	- 7.9		32° 47'
"			13.4	- 5.1		28° 35'
"			10.8	- 2.5		24° 15'
"			9.3	- 1.0		21° 15'
"			8.7	- 0.4		17° 50'
"			8.1	0.2		14° 10'
"			6.0	2.3		11° 47'
"			3.6	4.7		10° 18' M.H.T.
" T.P.	15.08	22.39	0.96	7.31		
"			13.0	9.4		7° 25'
"			9.5	12.9		3° 50'
"			2.1	20.3		1° 17'
"			1.60	20.79		0° 47' T.C.
" T.P.			1.60	20.79		0° 00' CONT. L.N.

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No.
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked M. R. CLARKE
Job No. 03000.02
Division No. 11
Survey of RED BEACH HYD. SURVEY
Survey by R. RICHARDS Notes R. S. Date 7-22-64
Map No.
Indexed H. E. OTT Date
F. B. 1009 Pg. 103

F. B. 2809 Pg. 214 | Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. CONTROL Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

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76L298 307 Cdb 12-62

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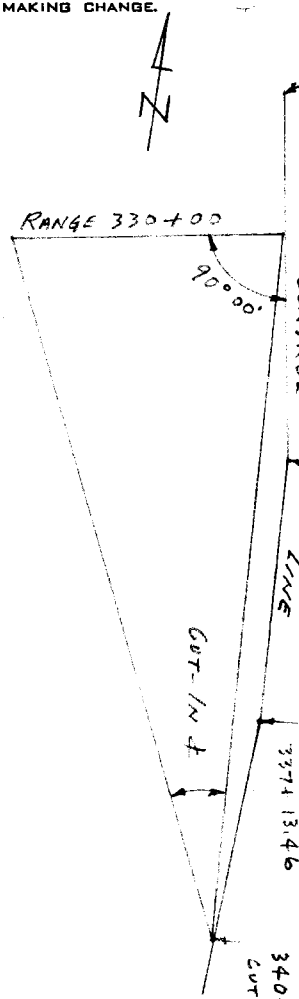
INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
40+50	330+00	9:06	1	56.	10.			
			2	55.	07.			
			3	53.	27.			3300104
			4	51.	31.			
			5	49.	38.			
			6	47.	29.			3300105
			7	45.	11.			
			8	43.	12.			
			9	41.	27.			3300106
			10	39.	26.			
			11	36.	30.			
			12	34.	00.			3300107
			13	30.	54.			
			14	27.	46.			
			15	25.	02.			3300108
			16	21.	53.			
			17	18.	52.			
			18	16.	15.			3300109
			19	13.	36.			
			20	11.	07.			

(OVER)



Profile Notes Red.____ Plotted____ Job No. 1300.02 Division No. 11

No.____ Date____ Date____ Survey of HYDROGRAPHIC SURVEY Notes____ Date____

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

No.____ Date____ Date____ Map No.____ Indexed H. E. OTT Date____

F. B. 1309 PG. 215

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INST. AT	SIGHT ON	TIME D.S.T.	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						
340450	330400	9:09	21	09.	21.				3300110
				00.	00.				
				00.	00.				
				00.	00.				3300111
				86.	32.				
				00.	00.				
				00.	00.				3300112
				00.	00.				
				00.	00.				
				00.	00.				3300113

F. B. 7309 Pg. 216 Job No. 0300.02 Division No. 11 Notes Red. ____ Date ____ Notes Chkd. ____ Date ____ Plotted ____ Date ____ Checked ____ Date ____ Profile No. ____ X-Sec. No. ____

Survey of HYDROGRAPHIC SURVEY

Survey by ENGELSH Notes MASUDA

Indexed H. E. OTT Date ____

76-L-298 CE 307 2-63

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80
47
7.3

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STATION	B. S.	H. I.	F. S.	ELEV.	333+00	
					TRANSIT AT S-24	SIGHT ON 333+00
T.P. 333+00	1.63	22 42		20.79		
"			2.00	20 42	0° 00'	CONTROL LINE
"			2.00	20 42	0° 52'	TOP CURB
"			7.8	14 6	5° 50'	
"			12.0	10 4	10° 32'	
"			14.7	7 7	14° 40'	
" T.P.	000	8 02	14.40	8 02		
"			3 3	4 7	17° 35'	M.H.T.
"			7 5	0 5	21° 35'	
"			8.0	0.0	26° 02'	
"			9.2	- 1.2	32° 50'	
"			10.6	- 2.6	38° 00'	
"			11.5	- 3.5	40° 10'	DATUM MEAN LOWER LOW WATER
"			13.4	- 5.4	43° 55'	
"			16.0	- 8.0	47° 35'	
"			18.0	- 10.0	50° 40'	

Profile No. X-300. Notes Red. Date Notes Chkd. Date Plotted Date Checked B. CLARK Date Job No. 03000.2 Survey of RED. BEACH HYD. CONTROL Survey by CISHARPS Map No. Division No. 11 Notes R. S. Indexed H. E. OTT Date F.B. 2801 Pg. 27 Date 7-22-64

F. B. 2209 PG 48 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. CONTROL Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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76-L-298 CE 307 2-63

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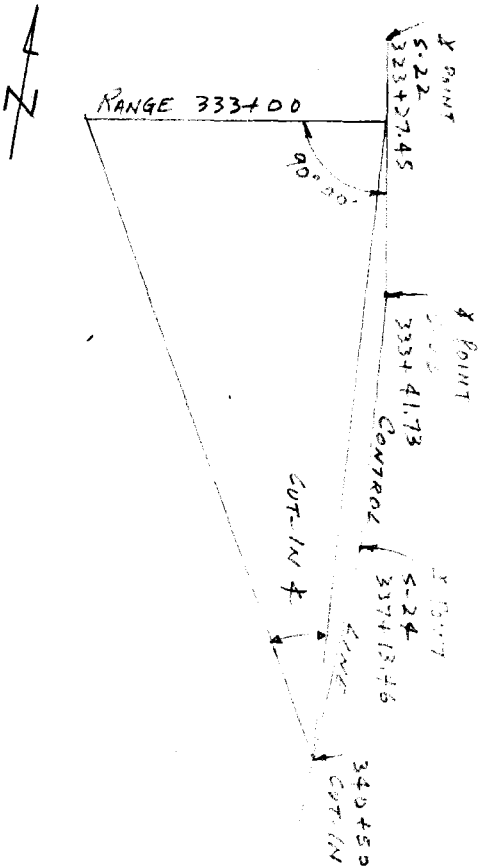
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
340+50	333+00	9:12	1	69.	39.			
			2	67.	21.			
			3	65.	26.			3330104
			4	63.	02.			
			5	61.	43.			
			6	60.	25.			3330105
			7	57.	46.			
			8	56.	34.			
			9	54.	22.			3330106
			10	51.	24.			
			11	48.	21.			
			12	45.	06.			3330107
			13	41.	36.			
			14	38.	27.			
			15	34.	55.			3330108
			16	30.	45.			
			17	27.	20.			
			18	24.	12.			3330109
			19	21.	37.			
			20	19.	43.			



(OVER)

Profile No.____ Date____ Notes Red____ Date____ Plotted____ Date____ Job No. 0300.02 Division No. 11 Survey of HYDROGRAPHIC SURVEY Survey by [illegible] Notes MASTER Date Jan. 21 1964 F. B. 369 Pg. 42

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Map No.____ Indexed H. E. OTT Date____

76L298 307 Cdb 12-62

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F. B. 1209 Pg. 112 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile No.

Survey of TOPOGRAPHIC SURVEY | Date | Date | X-Sec. No.

Survey by ENGLISH | Notes HASUDA | Notes Chkd. | Checked

Indexed H. E. OTT | Date 1 | Date | Date

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
3330130	3331100		21	18.	19.			3330110
		9:22	22	16.	05.			
				00.	00.			
				00.	00.			3330111
				00.	00.			
				00.	00.			
				00.	00.			3330112
				85.	09.			
				00.	00.			
				00.	00.			3330113
				00.	00.			
				00.	00.			
				00.	00.			3330114

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	335+00	
					TRANSIT AT S-29	SIGHT ON 333+00
					LT	RT
335+00		8 02	16.6	- 8.6	65° 00'	
"			13.6	- 5.6	62° 10'	
"			11.0	- 3.0	57° 50'	
"			9.3	- 1.3	53° 15'	
"			8.6	- 0.6	45° 45'	
"			8.4	- 0.4	40° 15'	
"			5.6	2.4	37° 05'	
"			3.3	4.7	33° 55'	
" T.P.	15.50	23.52	0.00	8 02		
"			12.9	10.6	25° 33'	
"			10.5	13 0	18° 25'	
"			5.0	18.5	7° 45'	
"			2.35	21.17	1° 23'	TOP CURB
"			2.35	21.17		0° 15' CONT. LN.
B.M.S-23		?	3.35	20.06 ~~17~~	B.M.S-23 EL. = 20.06 FB. 2100-157	
					BR. CAP. MON. ON. 4"	

DATUM
MEAN LOWER LOW WATER

Profile No. X-[illegible]
Notes Rod. No.
Date
Notes Chkd. No.
Date
Plotted Date
Checked R. CL[illegible]
Date
Job No. 03000.02
Survey of RED BEACH HYD. CONTROL
Survey by RICHARDS
Map No.
Division No. 11
Notes R.S. Date 7-22-63
Indexed H. E. OTT
Date
F.B. 2809 Pg. 24

Pg. 24

F. B. 2809 Pg. 222 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
24+00	335+00	9:21	1	56.	07.			
			2	54.	39.			
			3	52.	47.			3350106
			4	51.	01.			
			5	49.	14.			
			6	47.	54.			3350107
			7	45.	41.			
			8	42.	42.			
			9	40.	23.			3350108
			10	38.	10.			
			11	35.	36.			
			12	32.	43.			3350109
			13	29.	34.			
			14	26.	55.			
			15	24.	14.			3350110
			16	22.	15.			
			17	19.	26.			
			18	18.	07.			3350111
			19	15.	51.			
			20	12.	15.			

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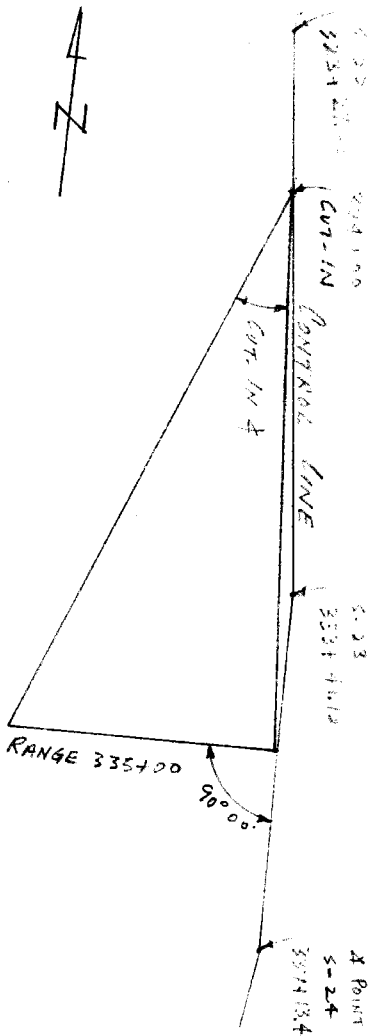

Profile Notes Red. Plotted Job No. 0300.02 Division No.

No. Date Date Survey of HYDROGRAPHIC SURVEY

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

No. Date Date Map No. Indexed Date

F. B. 707 Pg. 423

M. E. Ot

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
324100	335100	9:44	21	13.	49.			3350112
				00.	00.			
				00.	00.			
				00.	00.			3350113
				87.	55.			
				00.	00.			
				00.	00.			3350104
				00.	00.			
				00.	00.			
				00.	00.			3350105

F. B. 72-9 Pg. 124 Job No. 0380.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by ENGLISH Notes HASUDA Notes Chkd. Checked No.

Indexed H. E. OTT Date Date Date No.

76-L-298 CE 307 2-63

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82
4.7
2.4

STATION	B. S.	H. I.	F. S.	ELEV.	338+00	
					TRANSIT AT 340+50 SIGHT ON S-24	
B.M.S-24	1.53	23.44		21.91	B.M. S-24 EL.= 21.91 PER F.B. 2100 - 156	
338+00			0.95	22.49	00° 00'	CONTROL LIN.
			0.80	22.64	1° 35'	TOP CURB
			2.4	21.0	1° 35'	SAND
			5.8	17.6	6° 55'	
			9.7	13.7	9° 55'	
			15.9	7.5	28° 10'	
T.P.	0.23	8.17	15.50	7.94		
			3.5	4.7	32° 25'	M.H.T.
			8.5	- 0.3	40° 35'	
			9.0	- 9.8	45° 10'	
			10.6	- 2.4	51° 10'	
			11.8	- 3.6	58° 05'	DATUM MEAN LOWER LOW WATER
			11.5	- 3.3	64° 20'	
			14.7	- 6.5	69° 50'	
			16.8	- 8.6	71° 55'	

Profile No. Notes Red. Date Plotted Date
X-Sec. No. Notes Chkd. Date Checked R. R. CLARK Date
Job No. 0300.02 Division No. 11
Survey of RED. BEACH HYD. SURVEY
Survey by [redacted] Date
Map No. Indexed H. E. OTT Date
F.B. 7449 Pg. 24

F. B. 2809 Pg. 224 | Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes F.S. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

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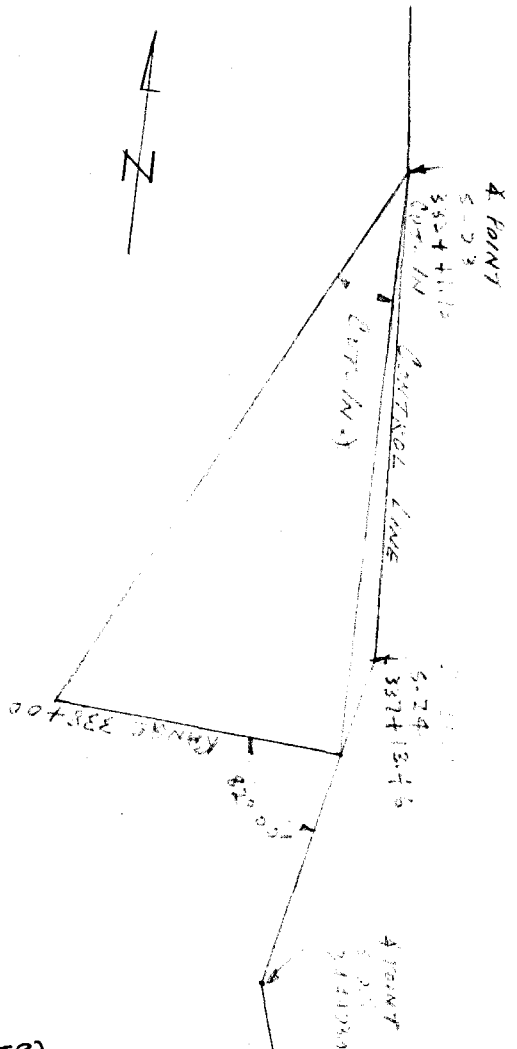
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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					
S-23	338+00	[illegible]	1	[illegible]	[illegible]			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			3380106
			4	[illegible]	[illegible]			
			5	70.	29.			
			6	69.	33.			3380107
			7	[illegible]	52.			
			8	[illegible]	05.			
			9	[illegible]	[illegible]			3380108
			10	66.	21.			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			3380109
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			3380110
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			3380111
			19	[illegible]	37.			
			20	[illegible]	[illegible]			



(OVER)

Profile Notes Red ____ Plotted ____ Job No. 0300-02 Division No. 11 F. B. [illegible] PG. 227

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

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

No. ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

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Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
5-2-3	3324-00		[illegible]	[illegible]	[illegible]			3380112
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
		6.12	[illegible]	[illegible]	[illegible]			3380113
				00.	00.			
				00.	00.			
				00.	00.			3380114
				93.	23.			
				00.	00.			
				00.	00.			3380104
				00.	00.			
				00.	00.			
				00.	00.			3380105

F. B. 2809 Pg. 228 Job No. 1299.02 Division No. 11 Notes Red. ____ Plotted ____ Profile ____

Survey of HYDROGRAPHIC SURVEY Date ____ No. ____

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

Indexed H.E. OTT Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	340+50	
					TRANSIT AT 338+00 SIGHT ON 340+50	
340+50		8 17	16.3	-8.1		52° 10'
			14.3	-6.1		49° 40'
			11.5	-3.3		45° 35'
			11.5	-3.3		41° 30'
			10.0	-1.8		36° 15'
			8.5	-0.3		30° 30'
			7.9	0.3		27° 00'
			3.5	4.7		22° 30' M.H.T
T.P.	16 60	24.55	0.22	7.95	DATUM MEAN LOWER LOW WATER	
			12.2	12.4		13° 30'
			7.5	17.1		10° 05'
			4.1	20.5		2° 50' TOP CURB
			4.0	20.6		0° 00' CONT. LN.
T.P.	1 60	22 30	3.85	20.70		

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked R. R. CLARKE Job No. 03000-7 Survey of RED. BEACH HYD. SURVEY Division No. 11 Survey by RICHARDS Notes R-1 Date 7-22-64 Map No. Indexed H. E. OTT Date F.B. 2909 Pg. 129

F. B. 2809 PG. 240 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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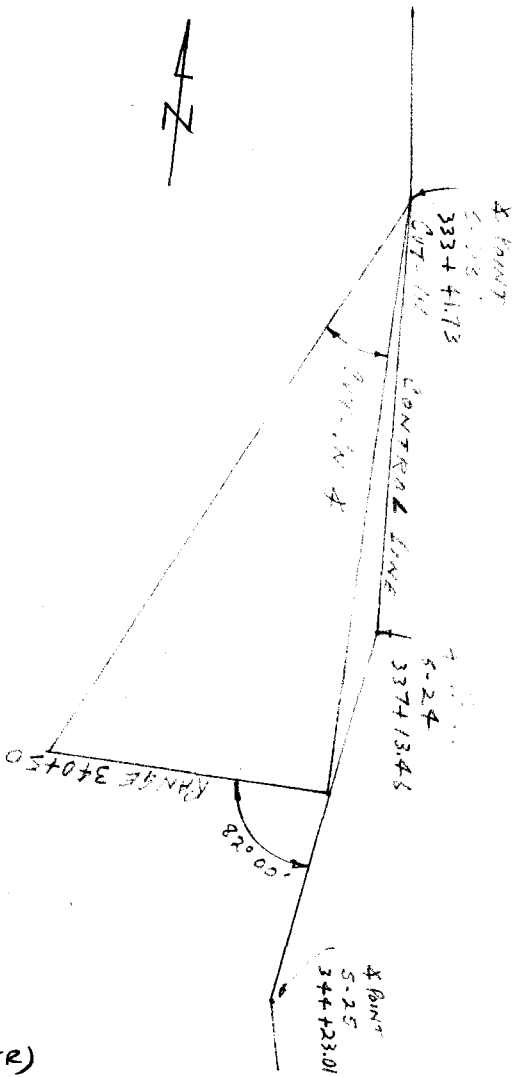
LOS ANGELES COUNTY SURVEYOR

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 D.S.T.	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.	
[illegible]	[illegible]	[illegible]	1	[illegible]	33.			
			2	63.	58.			
			3	[illegible]	[illegible]			3405106
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			3405107
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			3405108
			10	56.	39.			
			11	55.	31.			
			12	[illegible]	[illegible]			3405109
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			3405110
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			3405111
			19	[illegible]	29.			
			20	[illegible]	35.			



Profile Notes Red ____ Plotted ____ Job No. 63-00-62 Division No. 11 F. B. ____ Pg. 231

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

(OVER)

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 D-S.T.	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
S-23	[illegible]		21	[illegible]	[illegible]			3405112
			22	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			24	[illegible]	[illegible]			3405113
			25	[illegible]	[illegible]			
				[illegible]	[illegible]			
		1100	[illegible]	[illegible]	[illegible]			3405114
				00.	00.			
				00.	00.			
				00.	00.			3405115
				95.	01.			
				00.	00.			
				00.	00.			3405104
				00.	00.			
				00.	00.			
				00.	00.			3405105

F. B. 1209 Pg. 132 Job No. 2202 Division No. 11 Notes Red. Plotted Profile No.

Survey of LOS ANGELES COUNTY SURVEY Date Date X-Sec. No.

Survey by ENGELSH Notes MASSUPA Notes Chkd. Checked

Indexed H. E. OTT Date Date Date

76-L-298 CE 307 2-63

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	343+00	
					TRANSIT AT 5-25	SIGHT ON 343+00
343+00		22 30	3.8	18.5	TOE SLOPE	20° 20'
			4.9	17.4	0° 00'	CONTROL LINE
			4.6	17.7	7° 40'	SAND
			10.2	12.1	15° 20'	
			14.8	7.5	27° 20'	
T.P.	0.90	8 80	14.40	7.90		
			4.1	4.7	35° 50'	M. H. T.
			7.5	1.3	46° 25'	
			8.9	- 0.1	56° 55'	
			9.8	- 1.0	65° 30'	
			10.8	- 2.0	71° 05'	
			12.2	- 3.4	76° 20'	
			14.0	- 5.2	79° 00'	
			15.5	- 6.7	80° 55'	
			17.2	- 8.4	83° 30'	
T.P.	3 85	11.75	0.90	7.90		
T.P.	0 55	8.95	3.35	8.40		

DATUM
MEAN LOWER LOW WATER

Profile No. Notes Red. Date Plotted Date Job No. Division No. 11
X-Sec. No. Notes Chkd. Date Check R. R. CLARK Date Survey of RED BEACH HYD. SUPPLY
Survey by RICHARDS Notes 5-5 Date 7-23-64
Map No. Indexed H. E. OTT Date
03 00.07
F.B. 7809 Pg. 239

F. B. 2809 Pg. 23A Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

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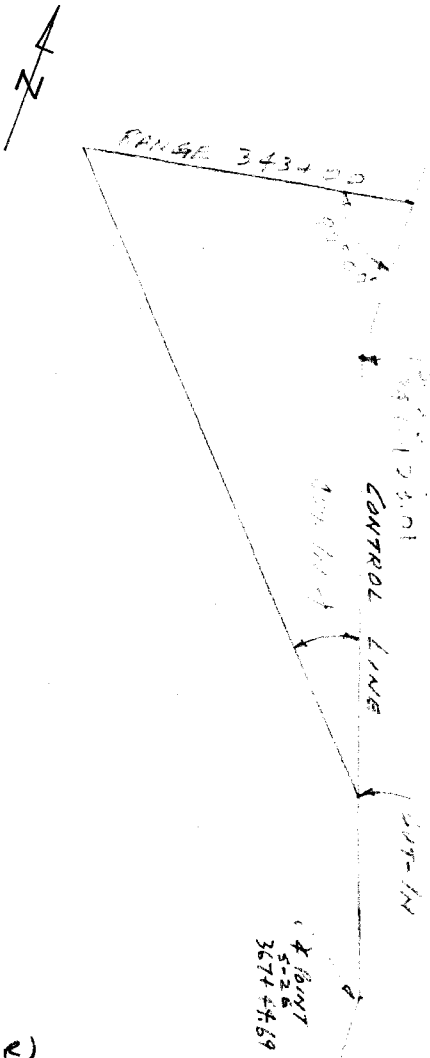
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 D.S.T.	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					
54+22.91	343+00	6:58	1	[illegible]	[illegible]			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			3430105
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			3430106
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			3430107
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			3430108
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			3430109
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			3430110
			19	[illegible]	[illegible]			
			20	[illegible]	[illegible]			

(OVER)



Profile Notes Red____ Plotted____ Job No.____ Division No.____ F. B. ____ Pg. ____

No.____ Date____ Date____ Survey of ____

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

No.____ Date____ Date____ Map No.____ Indexed H. E. OTT Date____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	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					
35412291	3431100		21	21.	31.			3430111
			22	19.	17.			
			23	17.	18.			
			24	14.	51.			3430112
			25	13.	22.			
		6:57	26	12.	37.			
				00.	00.			3430113
				00.	00.			
				00.	00.			
				00.	00.			3430114
				82.	00.			
				00.	00.			
				00.	00.			3430115
				00.	00.			
				00.	00.			
				00.	00.			3430116

F. B. 2809 Pg. 174 Job No. 03[illegible] Division No. [illegible] Notes Red. [illegible] Plotted [illegible] Profile No. [illegible]

Survey of [illegible] Date [illegible] Notes Chkd. [illegible] Checked [illegible] X-Sec. No. [illegible]

Survey by [illegible] Notes [illegible] Date [illegible]

Indexed H. E. OTT Date [illegible]

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.

80
47
4.3

STATION	B. S.	H. I.	F. S.	ELEV.	348+00	
					TRANSIT AT 5-25	SIGHT ON 348+00
348+00		8.95	16.2	- 7.2		43° 25'
			13.7	- 4.7		37° 50'
			11.0	- 2.0		30° 55'
			10.0	- 1.0		23° 50'
			9.2	- 0.2		16° 30'
			6.6	2.4 ~~3.4~~		12° 50'
			4.3	4.7		9° 45' M.H.T.
T. P.	10.20	19.10	0.55	8.40		
			4.6	14.5 ~~15.4~~	CONT. LN.	0° 00'
			3.5	15.6 ~~16.5~~	2° 30'	TOE SLOPE

DATUM
MEAN LOWER LOW WATER

Profile Notes Red. Plotted Job No. 0300002 Division No. 11 F.B. 7869 Pg. 237
No. Date Date Date Survey of REED, BEACH HYD. SURVEY
X-Sec. Notes Chkd. Check R. CLARKE Survey by RICHARDS Notes R.S. Date 7-23-64
No. Date Date Map No. Indexed H. E. OTT Date

F.B. 2209 Pg. 138 | 030002 Job No. _____ Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of RED BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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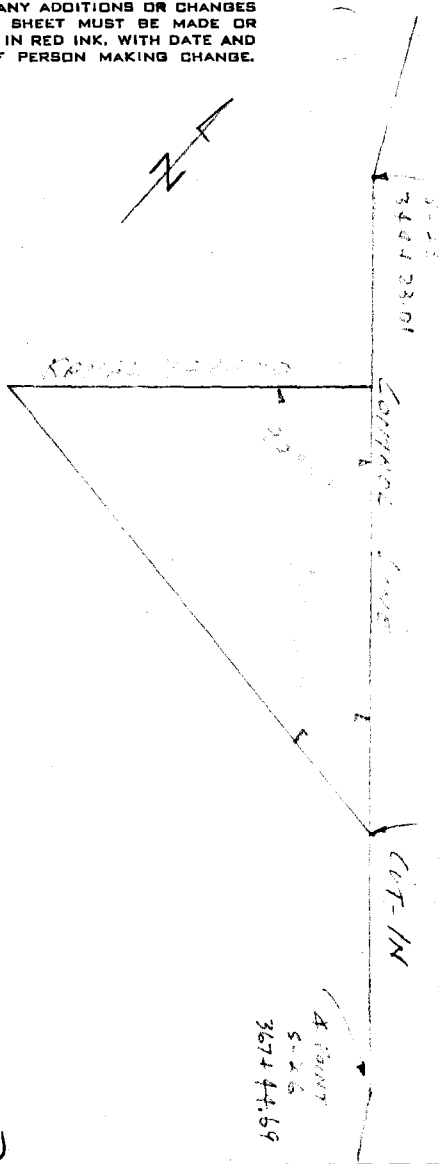
Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	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.	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
			[illegible]	68.	25.			
			[illegible]	[illegible]	[illegible]			3480104
			[illegible]	[illegible]	[illegible]			
			5	65.	20.			
			6	64.	02.			3480105
			7	62.	37.			
			8	[illegible]	2[illegible].			
			9	[illegible]	[illegible].			3480106
			[illegible]	[illegible]	[illegible].			
			[illegible]	26.	4[illegible].			
			[illegible]	[illegible]	[illegible].			3480107
			[illegible]	50.	50.			
			[illegible]	50.	[illegible].			
			[illegible]	[illegible]	[illegible].			3480108
			[illegible]	45.	21.			
			[illegible]	[illegible]	35.			
			17	40.	[illegible].			3480109
			[illegible]	[illegible]	21.			
			[illegible]	[illegible]	[illegible].			



(OVER)

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. [illegible] Pg. 239

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

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

No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	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					
354+22.11	348+00		[illegible]	32.	47.			3480110
			32	30.	35.			
			[illegible]	27.	42.			
			[illegible]	[illegible]	[illegible]			3480111
		7/13	25	[illegible]	[illegible]			
				00.	00.			
				00.	00.			3480112
				00.	00.			
				00.	00.			
				00.	00.			3480113
				90.	00.			
				00.	00.			
				00.	00.			3480114
				00.	00.			
				00.	00.			
				00.	00.			3480115

F. B. 2809 Pg. 140

Job No. [illegible] Division No. 11

Survey of [illegible]

Survey by H. E. OTT Notes [illegible]

Indexed [illegible] Date [illegible]

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. 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.

9.5
4.7
3.9
8
4.7
3.3

STATION	B. S.	H. I.	F. S.	ELEV.	353+00	
					TRANSIT AT 348+00	SIGHT ON 353+00
53+00		19.10	5.1	14.0	TOE SLOPE & CONTROL LINE	0° 00'
			9.0	10.1		3° 10'
			12.3	6.8		5° 35'
T.P	068	8 03	11.75	7.35		
			3.3	4.7	M.H.T.	7° 35'
			8.5	-0.5		11° 20'
			8.5	-0.5		16° 15'
			9.0	-1.0		18° 45'
			9.8	-1.8		22° 50'
			12.8	-4.8		29° 55'
			14.0	-6.0		34° 40'
			15.5	-7.5		37° 15'
T.P.	5.80	13 15	0.68	7.35		
T.P.	0.93	9 58	4.50	8.65		

DATUM
MEAN LOWER LOW WATER

Profile No. Date Notes Red. Plotted Job No. 03000 Division No. 11
X-Sec. No. Date Notes Chkd. Date Checked R. CLARKE Survey of RED BEACH HYD. SURVEY
Date Map No. Date Survey by RICHARD Notes K.S. Date 7-23-64
Indexed H. E. OTT Date

F.B. 2709 Pg. 141

F.B. 2809 Pg. 140 | 0300.02

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

Survey of RED. BEACH HYD. SURVEY Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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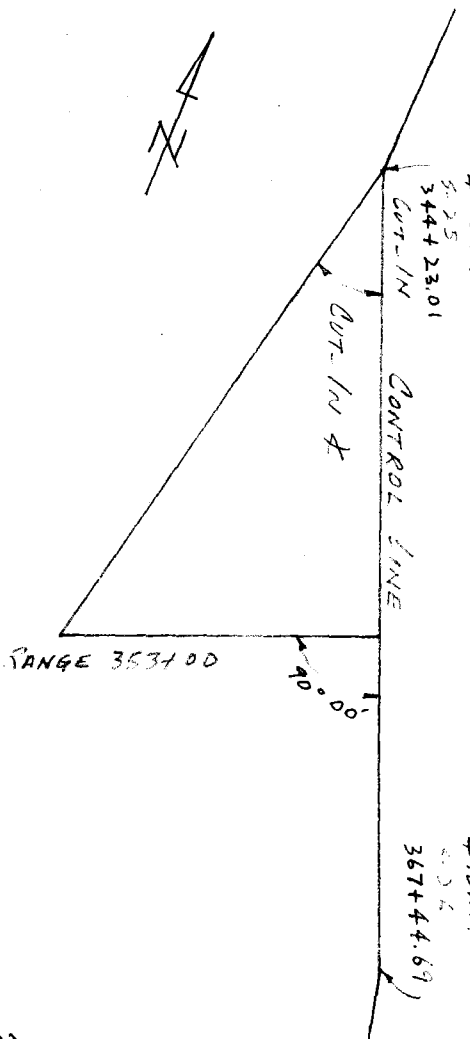
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	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.	
5-25	5-26	7:35	1	63.	21.			
			2	62.	14.			
			3	61.	22.			3530106
			4	60.	11.			
			5	59.	03.			
			6	57.	19.			3530107
			7	56.	08.			
			8	54.	35.			
			9	52.	50.			3530108
			10	50.	45.			
			11	48.	17.			
			12	45.	35.			3530109
			13	43.	16.			
			14	40.	47.			
			15	37.	47.			3530110
			16	35.	14.			
			17	32.	25.			
			18	29.	22.			3530111
			19	26.	27.			
			20	23.	38.			



(OVER)

Profile Notes Red. Plotted Job No. Division No. F. B.
No. Date Date Survey of Notes Date Pg. 143
X-Sec. Notes Chkd. Checked Survey by Date
No. Date Date Map No. Indexed H. E. OTT Date

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
S-25	S-26		21	20.	42.			3530112
			22	18.	19.			
		7:39	23	15.	42.			
				00.	00.			3530113
				00.	00.			
				00.	00.			
				00.	00.			3530114
				90.	00.			
				00.	00.			
				00.	00.			3530104
				00.	00.			
				00.	00.			
				00.	00.			3530105

F. B. 2369 Pg. 144 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by ENGLISH Notes MASONA Date Date No.

Indexed H. E. OTT 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.

Profile No. Notes Red. Plotted
X-Sec. Date Date
Notes Chkd. Date Checked K. R. CLARK Survey of RED BEACH HYD. SURVEY
Date Date Survey by RICHARDS Notes R.S. Date 7-23-64
Map No. Indexed H. E. OH Date
Job No. 03000.02 Division No. 11 F.B. 2809 Pg. 7115

STATION	B. S.	H. I.	F. S.	ELEV.	358+00	
					TRANSIT AT 353+00	SIGHT ON 358+00
358+00		9.58	19.0	-9.4		41° 00'
			18.0	-8.4		38° 45'
			16.5	-6.9		35° 30'
			14.3	-4.7	DATUM MEAN LOWER LOW WATER	31° 40'
			12.6	-3.0		28° 35'
			11.5	-1.9		24° 30'
			10.5	-0.9		20° 15'
			9.7	-0.1		16° 20'
		??	10.0	0.6	*	12° 30'
			7.2	2.4		10° 40'
			4.9	4.7	M.H.T.	8° 25'
			1.2	8.4		5° 30'
T.P.	10.85	19.50	0.93	8.65		
			7.3	12.2		3° 30'
			4.3	15.2	CONT. LN.	0° 00'
			3.3	16.2	25' E. TOE SLOPE	

F.B. 2809 Pg. 146 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

Survey of RED. BEACH. HYD. SURVEY Date Date No.

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

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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
Los Angeles County Engineering Bldg.

76-L-298 CE 307 2-63

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

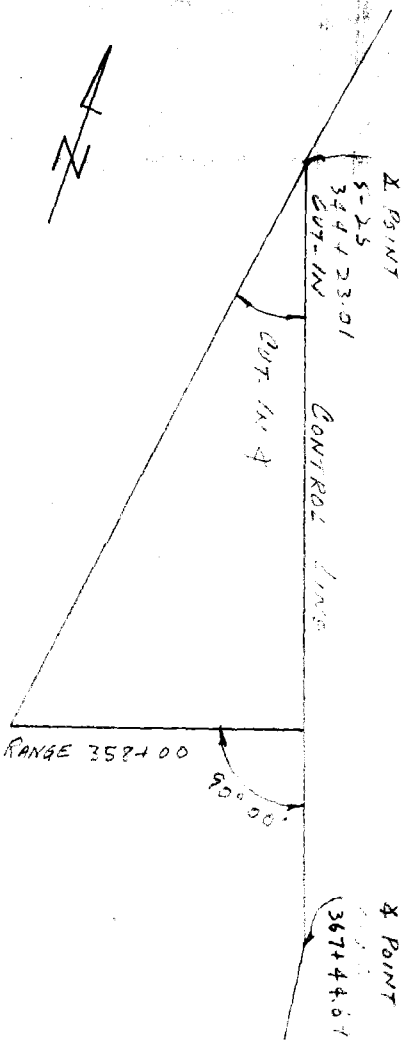
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 D.S.T.	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					
S-25	S-26	7:48	1	47.	45.			
			2	46.	47.			
			3	45.	05.			3580106
			4	43.	18.			
			5	41.	45.			
			6	40.	04.			3580107
			7	37.	56.			
			8	35.	02.			
			9	32.	57.			3580108
			10	30.	59.			
			11	28.	37.			
			12	26.	38.			3580109
			13	24.	07.			
			14	21.	52.			
			15	19.	50.			3580110
			16	17.	49.			
			17	16.	04.			
			18	13.	59.			3580111
			19	11.	56.			
			20	10.	57.			

(OVER)



Profile Notes Red. ____ Plotted ____ Job No. 6300-02 Division No. 11 F. B. ____ Pg. 241

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY Date ____

No. ____ Date ____ Date ____ Checked ____ Survey by ____ Notes ____ Date ____

Map No. ____ Indexed H. E. OTT Date ____

F. B. 2809 Pg. 248 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

Survey by ENGLISH | Notes MASUDA | Notes Chkd. | Checked

Indexed H. E. OTT | Date | Date | Date

| | | |