Profile	Notes Red	Plotted	Job No. 0300.02	Division No. 11	F.B.	Pg. 5
	Date	Date	Survey of BEACH EROSION STUDIES			
X-Sec.	Notes Chkd.	Checked	Survey by LIND	Notes LIND	Date 8-24-62	
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date SEP 4 '62	

(Cont. From F.B. 2811-250)

J.N. 0300.02

BEACH EROSION STUDIES

OF

REDONDO-CLIFTON BEACH

FROM STATION 294+65

TO STATION 430+19

NOTE: All time recorded on this job were Pacific Standard Time.

The datum of MLLW was used for all elevations.

AUGUST 1962

Boat Party	Shore Party
Lind	Brooks
Bazen	Maldonade
Shoemaker	Cook
Foulger	Martinez
Valdez	Beck
Huckaby	Merritt
Mather	Stidham
~~Rodriguez R.R.~~	
Rodriguez R.J.	
McKnight	
Masuda	
Ohashi	

Microfilmed June '85

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Building
76-1200 CE 307 8-61

F. B. 2312 Pg. 6 | Job No. 0300 02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

Survey by LIND Notes _____ 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-L298 CE 307 3-61

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 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.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
388+00	5-27	9:12	1	90°	00'			
			2	00.	00.			
			3	00.	00.			3880104
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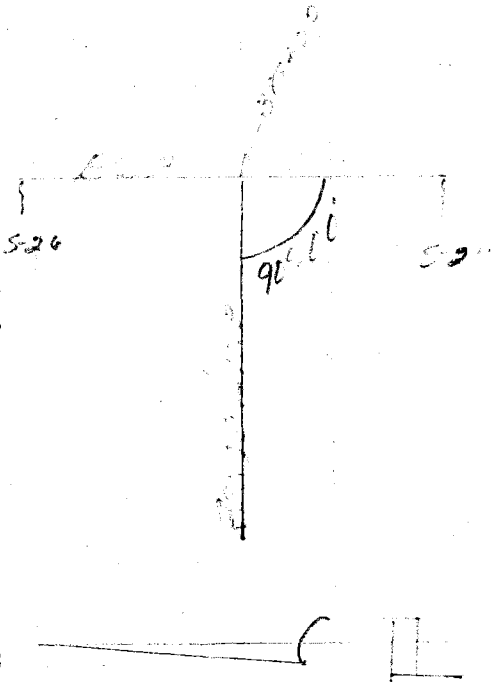

Profile Notes Red. Plotted Job No. Division No. 4 F. B. 2012 Pg. 7

No. Date Date Survey of

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

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

F. B. 2812 PG. 8 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of BERM EROSION Date Date No.

Survey by C-K-LINA Notes R. Rodriguez Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 1-62

76L298 307 Cdb 1-62

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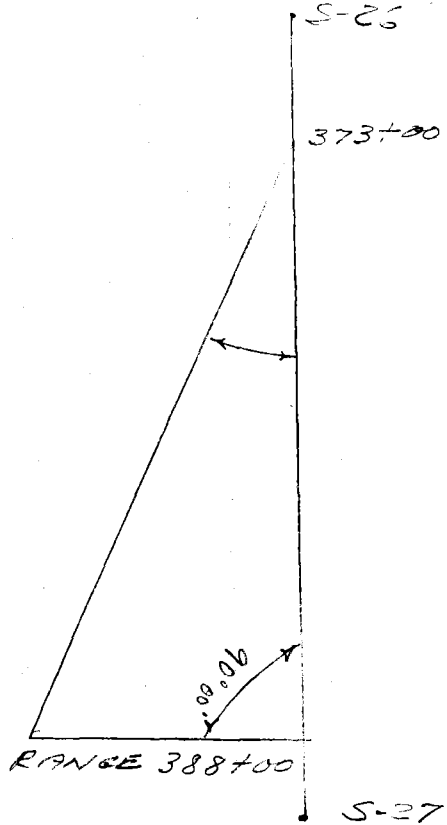
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
373+00	S-27	9:11	1	42.	47.			
			2	41.	30.			
			3	39.	47.			3880106
			4	38	13			
			5	36	15			
			6	34	33			3880107
			7	32	05			
			8	29	17			
			9	27	23			3880108
			10	24	09			
			11	21	50			
			12	20	07			3880109
			13	18	32			
			14	16	42			
			15	15	25			3880110
			16	14	42			
			17	13	35			
		9:15	18	11	32			3880111
			19	00	00			
			20	00	00			
				00	00			3880112



Profile No. ____ Date ____ Date ____

Notes Red. ____ Plotted ____ Job No. 23000.12 Division No. 11 F. B. 2011 Pg. 1

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey of B.E. STAHLES (REDONDO) Survey by LNO Notes Date 8-31-62

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

F. B. 2012 PG. 10 Job No. 2300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B. E. STUDIES (REDONDO) Date _____ Date _____ No. _____

Survey by LIND 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					

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	393+19	Inshore
TP	306	8 24		518		
393+19			+5 2	134		Control line
			+4 2	124		15.4 RT
			03	99		41.8 RT
			56	46		100.0 RT
			+9 6	153	342 LT	Toe slope
					TP @ 5-27	Sight @ 395+19
			74	26	19° 52'	Water
			84	-5 2	22° 22'	"
			92	-1 0	27° 05'	"
			106	-2 4	30° 48'	"
			120	-5 8	35° 18'	"
			136	-3 4	40° 08'	"
			165	-10 3	44° 11'	"
T.P.			352	472		
TP	402	3 77	325	547		

Profile Notes Red. ____ Plotted ____ Job No. 2300 Division No. 11 F. B. 2018 Pg. 11
No. X-Sec. ____ Date ____ Date ____ Survey of Beach Erosion Survey Aug 1957
No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 Pg. 12 | 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

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	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DEG.	MIN.	
393+19	5-28	9:28	1	90°	00'			
			2					
			3					
			4					
			5					
			6					
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			8					
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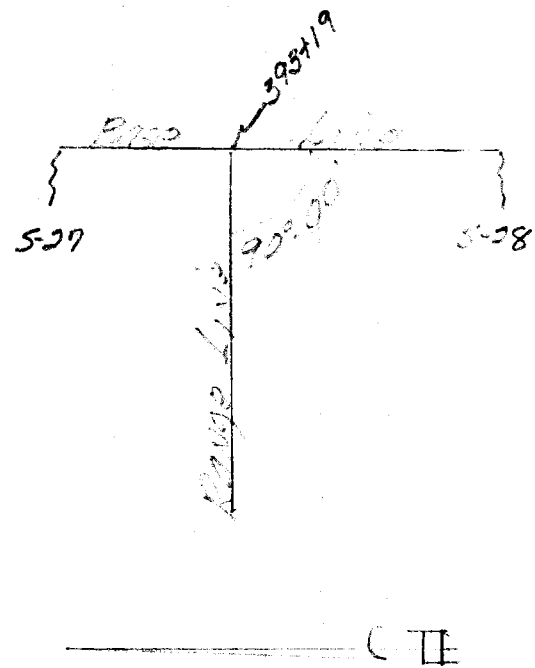
			20					



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 C. J. GALL Date ____

F. B. 3312 Pg. 13

F. B. 2812 PG. 14 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No.

Survey by C.K. Lind Notes R.J. Rodriguez Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

Inst. At (Don't Punch)	Sight On (Don't Punch)	Time (Don't Punch)	Angle No (Don't Punch)	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
393+19	5-28							
		9:33	22					
				90°	00'			

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

76L298 307 Cdb 1-62

PLEASE RETURN TO

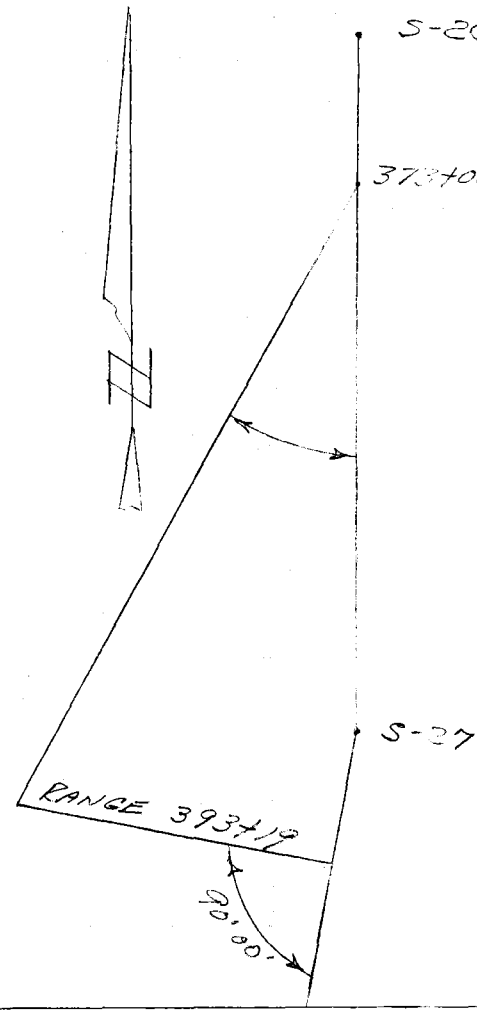
LOS ANGELES COUNTY SURVEYOR

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.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
373+00	S-27	9:29	1	41	33			
			2	40	17			
			3	38	42			3932012
			4	37	00			
			5	35	07			
			6	33	17			3932014
			7	31	05			
			8	28	45			
			9	26	37			3932016
			10	23	50			
			11	21	31			
			12	19	47			3932018
			13	17	55			
			14	15	47			
			15	13	50			3932020
			16	12	42			
			17	12	00			
			18	11	40			3932022
			19	12	55			
			20	11	36			
				10	42			3932023



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2014 Pg. 15

No. ____ Date ____ Date ____ Survey of B.E. STUDIES (REVISED)

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

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

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. 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	~~10~~	~~42~~			
		9:33	22	29	55			
			23	00	00			
				00	00			3932025
				00	00			
				00	00			
				00	00			3932027
				90	00			
				00	00			
				00	00			3932028
				00	00			
				00	00			
				00	00			3932030

F. B. 2812 Pg. 16 Job No. 03002 Division No. 11 Notes Red. Plotted. No. Profile

Survey of B. E. STUDIES (REDONDO Date Date X-Sec.

Survey by LIND Notes BAZEN Notes Chkd. Checked.

Indexed C. J. GALLI Date Date Date No.

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	398+19	Thalwe
TP	292	3 41		549		
398-19			+26	110		Centerline
			69	75		29.02 Rt
			39	45		68.02 Rt
			62	22		100 Rt
			+76	160	51.3 Lt Toe Slope	
					PI @ 398+19	Sta. 398+19
			77	07	170° 52'	Water
			84	00	23° 23'	"
			102	-18	29° 00'	"
			131	-47	34° 18'	"
			170	-86	37° 55'	"
			180	-96	40° 57'	"
TP.	10 93	17 97	137	704		
TP.	9 01	26 12	086	1711		
- TBM#1			422	2190	TBM #1 Elev 22.002 FB 2100-154	

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. Survey of Survey by Map No. Division No. Notes Indexed C. J. GALLI Date Date F. B. 2012 Pg. 17

F. B. 2812 Pg. 18 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

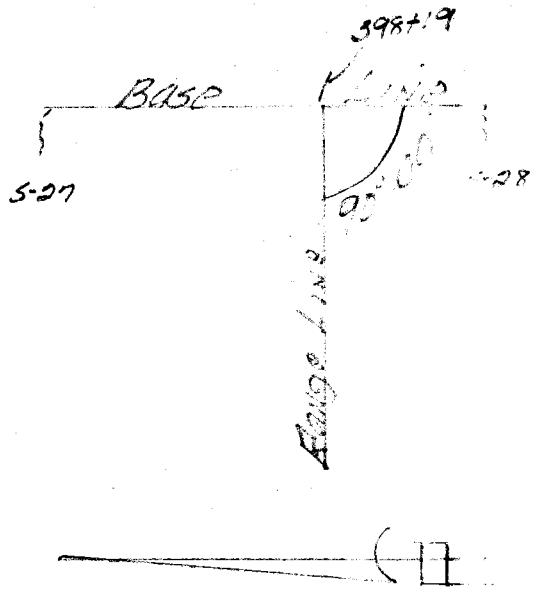
LOS ANGELES COUNTY SURVEYOR

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					
398+19	5-28	9 45	1	90°	00'			
			2					
			3					
			4					
			5					
			6					
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
		9:47	16					



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

X-Sec. No. Date Date Survey of

Notes Chkd. Checked Survey by Notes Date

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

F. B. 2112 Pg. 19

F. B. 2812 PG. 20 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of Date Date No.

Survey by C.G. Lind Notes E.J. Rodriguez Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
[illegible]	5-28			90°	00'			

Do not extend notes this side of this line.

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 Cdb 1-62

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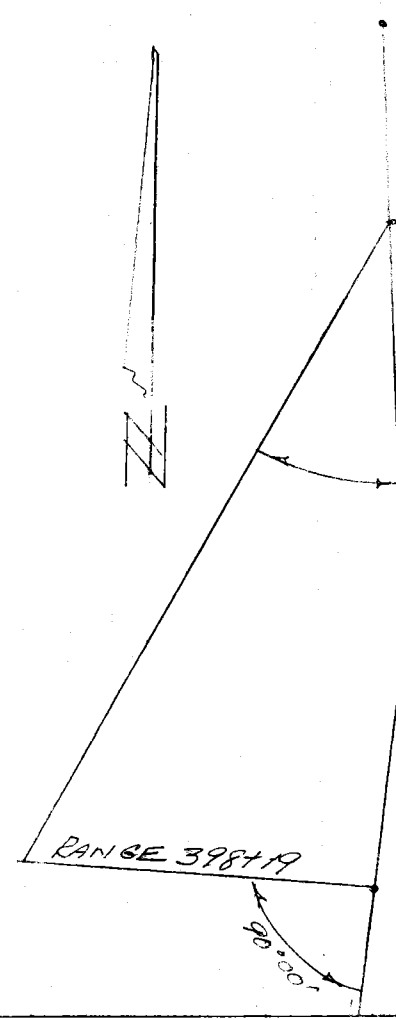
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
378+00	S-27	9:46	1	37	07			
			2	35	32			
			3	34	07			3982014
			4	32	38			
			5	30	37			
			6	28	45			3982016
			7	27	12			
			8	25	17			
			9	23	23			3982018
			10	21	12			
			11	19	39			
			12	17	00			3982020
			13	14	09			
			14	12	17			
			15	11	07			3982022
		9:49	16	10	17			
			17	00	00			
			18	00	00			3982024
			19	00	00			
			20	00	00			
				00	00			3982026



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

Notes Red.____ Date____ Notes Chkd.____ Date____

Plotted____ Date____ Checked____ Date____

Job No. 3003 Division No. 11 Survey of B.F. STUDIES (REDONDO)

Survey by [illegible] Notes [illegible] Date [illegible]

Map No.____ Indexed C. J. CALL Date____

F. B. [illegible] Pg. 24

F. B. 2811 PG. 22 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B. E. STUDIES (REDONDO) Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	403+19	/ Inshore
				22 00	TBM #1 Elev. 22.002	F.B. 2103-159
T.P.	125	23 35	242	1193		
T.P.	522	12 15	575	640		
T.P.	253	3 93				
4 [illegible]+19			+15	104		Centerline
			33	56		50 Rt
			66	23		100 Rt
			+107	196	75.0 Rt	edge paved parking pad
					TB @ 398+19 Sight @ 403+19	
			76	13	16° 21'	Water
			90	-01	21° 35'	"
			104	-15	27° 27'	"
			125	-36	32° 39'	"
			143	-54	35° 27'	"
			164	-65	38° 55'	"
			185	-96	42° 31'	"
T.P.			246	647		

Profile Notes Red. Plotted Job No. [illegible] Division No. [illegible]
No. X-Sec. Date Date Survey of Beach Erosion Survey
No. Date Notes Chkd. Checked Survey by F.F.P. Notes F.B. 2103 Date [illegible]
Date Map No. Indexed F. Gatti Date

F. B. 2812 Pg. 23

F. B. 28N Pg. 24 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.

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

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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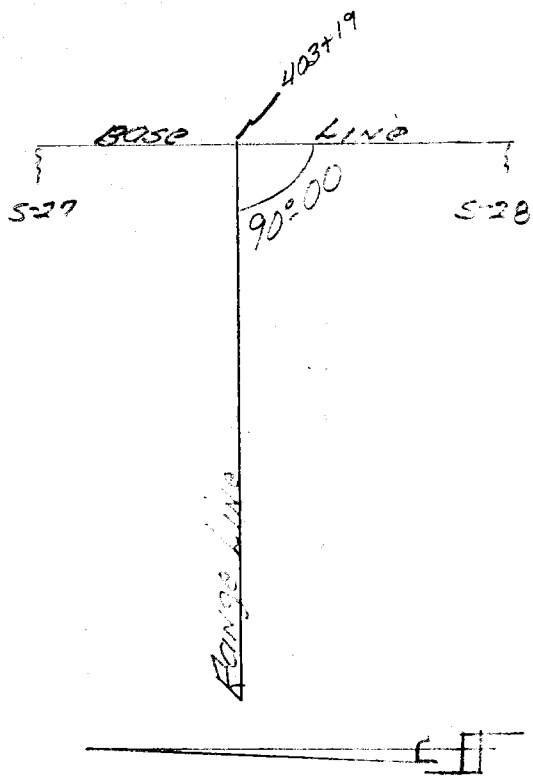
Do not extend notes this side of this line.

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					
403+19	5-28	10:35	1	90°	00'			
			2					
			3					
			4					
			5					
			6					
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
		10:37	16					



Profile Notes Red. Plotted Job No. Division No. 03000.03 F. B. 2112 PG. 25

No. X-Sec. Date Date Survey of BASE LINE

No. Notes Chkd. Checked Survey by Notes Date

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

F. B. 2812 PG. 26 | 030002 Job No. ____ Division No. 11 Notes Red. ____ Plotted ____ Profile

Survey of Beach Erosion Date ____ Date ____ No. ____

Survey by C.K. Lind Notes R.J. Rodriguez Notes Chkd. ____ Checked ____ X-Sec.

Indexed C. J. GALLI 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.	For Office Use Only Range Line Min.	For Office Use Only Card No.
48+19	5-28			90°	00'			

76L298 307 Cdb 1-62

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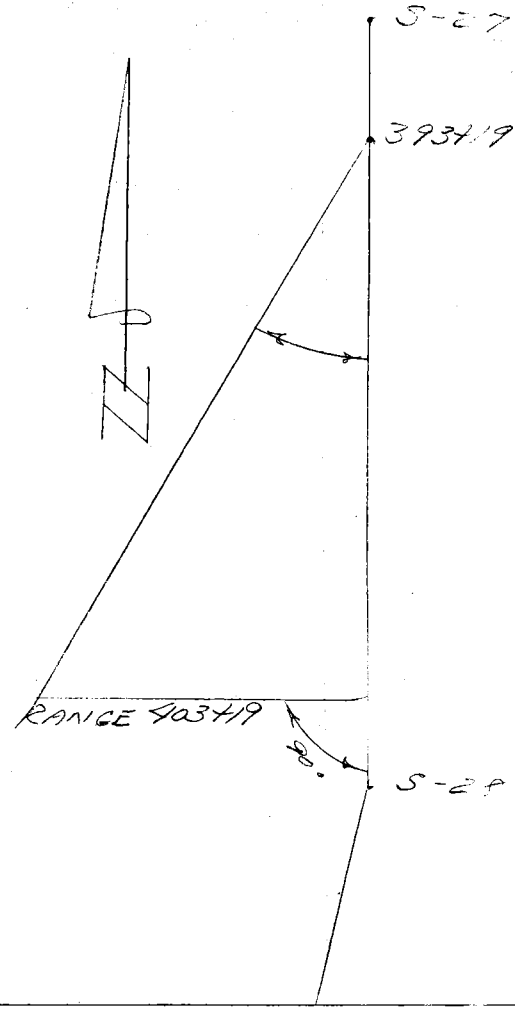
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
393419	5-28	10:35	1	52	13			
			2	50	55			
			3	49	09			4032014
			4	46	46			
			5	43	55			
			6	41	28			4032016
			7	37	27			
			8	34	20			
			9	31	22			4032018
			10	27	14			
			11	23	45			
			12	21	22			4032020
			13	19	13			
			14	17	18			
			15	16	33			4032022
		10:38	16	15	00			
			17	00	00			
			18	00	00			4032024
			19	00	00			
			20	00	00			
				00	00			403202[illegible]



Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F. B. 2011 Pg. 27
No. ____ Date ____ Date ____ Survey of B. E. STAUFFER (REDONDO BEACH)
X-Sec. Notes Chkd. ____ Checked ____ Survey by LUND Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2212 PG. 28 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (REDONDO) Date _____ Date _____ No. _____

Survey by LIND Notes HUCKABY 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					

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	408+19	Inshore
T.P.	241	388		647		
408+19			+15	104 ~~94~~		Centerline
			20	69		405 RT
			89	00		100 RT
			+70	159	66 Lt Toe slope	
					JT @ 403+19 Sight @ 408+19	
			80	09	11° 19'	Water
			76	11	15° 54'	
			90	-01	20° 47'	
			105	-16	26° 37'	
			124	-45	31° 27'	
			146	-57	35° 06'	
			150	-61	39° 21'	
			170	-61	43° 34'	
			183	-94	46° 00'	
			311	577		

Profile Notes Red. ____ Plotted ____ Job No. 6100.12 Division No. 11 F. B. 5114 Pg. 23
No. ____ Date ____ Date ____ Survey of Beach Erosion Survey Date 07/19/1956
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 30 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.

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

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76L-200 S & E #307—1-56

76L298 307 Cdb 1-62

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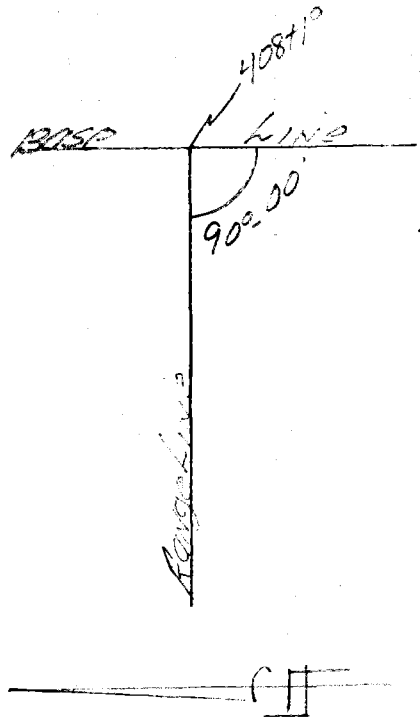
Do not extend notes this side of this line.

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			DEG.	MIN.	
408+19	5-28	1353	1	90°	00'			
			2					
			3					
			4					
			5					
			6					
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
		1356	20					



Profile

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

X-Sec. Date Survey of BASE LINE

No. Notes Chkd. Checked Survey by Notes Date

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

F. B. 2012 Pg. 31

F. B. 2812 PG. 32 | 030002 Job No. Division No. 11 Notes Red. Plotted Profile

Survey of BC. R. ECOSION Date Date No.

Survey by C.K. Lind Notes R. Rodriguez Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
408+19	5-28			90°	00'			

Do not extend notes this side of this line.

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761298 307 Cdb 1-62

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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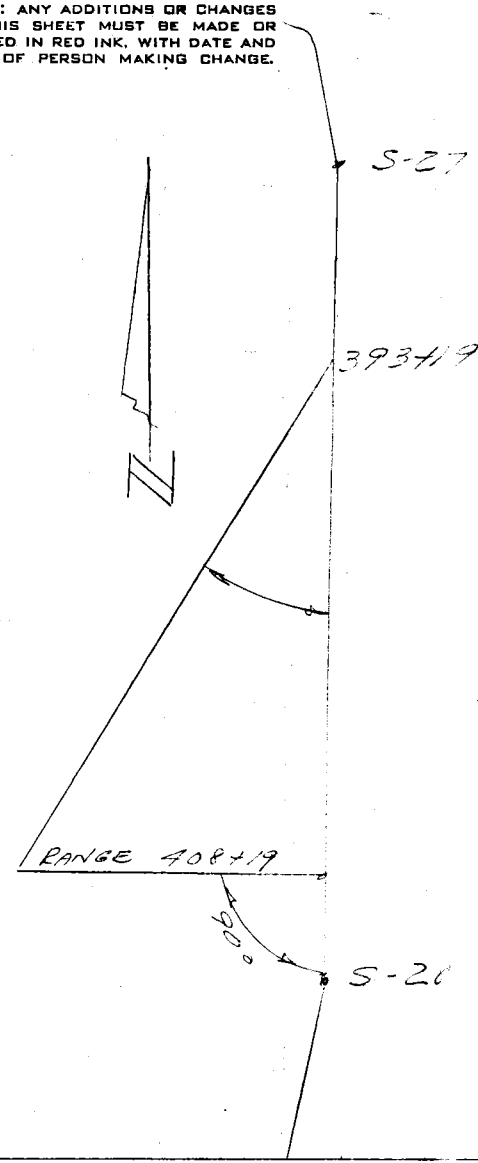
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

INST. AT	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					
393+19	S-28	10:53	1	46	07			
			2	45	00			
			3	43	22			4082012
			4	41	55			
			5	40	27			
			6	38	25			4082014
			7	36	45			
			8	34	50			
			9	33	07			4082016
			10	31	12			
			11	29	05			
			12	26	27			4082018
			13	24	05			
			14	21	52			
			15	19	16			4082020
			16	17	12			
			17	14	52			
			18	13	05			4082022
			19	12	07			
		10:57	20	11	14			
				00	00			4082024



Profile
No. Date Notes Red Plotted Job No. 832032 Division No. 11 F. B. 2112 PG. 33
X-Sec. Notes Chkd Date Date Survey of S.E. STREETS (REDONDO)
No. Date Date Checked Survey by Notes Date
Map No. Indexed C. J. GALLI Date

F. B. 2812 PG. 34 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (REDONDO) Date _____ Date _____ No. _____

Survey by LIND Notes Huckaby 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					

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	413 +19	Inshore
T.P.	4.61	10.38		5.77		
T.P.	2.77	9.09	4.06	6.32		
413+19			01	9.04		Centerline
			16	7.5		30 RT
			38	5.3		41 RT
			75	1.6		99 RT
			85	0.6		103 RT
			80	1.1		105 RT
			+14	10.5	14.5 LT Toe Slope	
					TC [illegible] Sig Int @ 413+19	
			80	1.1	[illegible]	Water
			105	-1.4	26° 51'	"
			148	-5.7	31° 04'	"
			152	-6.1	36° 01'	"
			162	-7.1	40° 58'	"
			180	-8.9	44° 00	"
T.P.			[illegible]	6.13		

Profile Notes Red ____ Plotted ____ Job No. 07-[illegible] Division No. 11 F. B. 2014 Pg. 35
No. ____ X-Sec. Date ____ Date ____ Survey of Bagell Erosion Survey [illegible] 1962
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by EFB Notes EFB Date [illegible]
Date ____ Map No. ____ Indexed C. J. GAILI Date ____

F. B. 2812 Pg. 36 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.

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

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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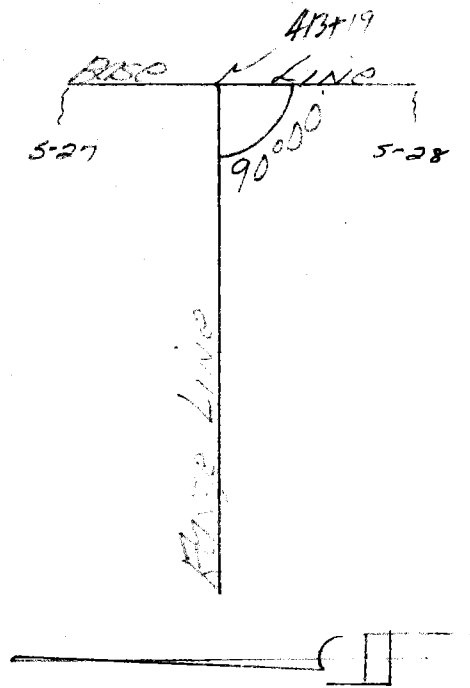
Do not extend notes this side of this line.

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			DEG.	MIN.	
413+19	5-27	11:09	1	90°	00'			
			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. F. B.

No. Date Date Survey of

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

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

Pg. 37

F. B. 2812 PG. 38 Job No. 0800-02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BEACH & ROSON Date _____ Date _____ No. _____

Survey by C.K. LIND Notes R.J. Rodriguez Notes Chkd. _____ Checked _____ X-Sec.

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

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
4+18	5+28		21	90°	00'			
			22					
			23					
			24					
		1:13	25					
		1:18	26					

Do not extend notes this side of this line.

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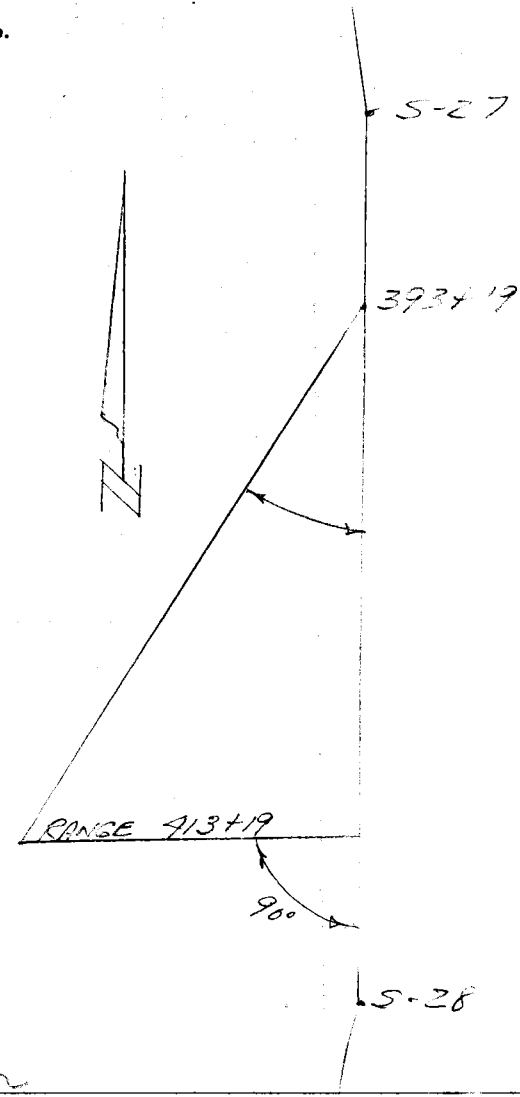
Do not extend notes this side of this line.

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					
393+19	5-28	11:08	1	44	16			
			2	43	00			
			3	41	32			4132012
			4	40	10			
			5	38	50			
			6	37	50			4132014
			7	36	40			
			8	35	05			
			9	32	32			4132016
			10	31	32			
			11	30	16			
			12	28	27			4132018
			13	26	42			
			14	25	15			
			15	23	27			4132020
			16	21	42			
			17	19	37			
			18	17	55			4132022
			19	16	07			
			20	14	17			



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 6300-02 Division No. 1
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of B. E. STUDER Survey by ____ Notes ____ Date ____
Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2 Pg. 39

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	12	55			4132024
			22	11	32			
			23	10	35			
			24	09	50			4132026
			25	08	45			
		11:13	26	07	52			
				00	00			4132028
				00	00			
				00	00			
				00	00			4132030

F. B. 2812 Pg. 40 Job No. 23002 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (REDONDO) Date Date No.

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

Indexed C. J. GALLI Date Date No.

76L-298 S & E #307—1-56

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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.	418+19	Inshore
T.P.	272	8 85		613		
418+19			[illegible]	75	30' offset line	
			[illegible]	50		25 RT
			69	20		615 RT
			80	09		65 RT
			72	17		68 RT.
			00	39	12 Lt Toe Slope	
					TC @ 423+19	Start @ 423+19
			85	04	12° 20'	Water
			90	-01	15° 41'	"
			105	-16	21° 44'	"
			123	-34	27° 18'	"
			144	-55	32° 05'	"
			156	-67	36° 44'	"
			170	-81	41° 24'	"
			183	-94	44° 05'	"
						"
T.P.			353	532		

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 6322.02 Division No. 11 F. B. 5312 Pg. 41
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Survey by ____ Notes ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 42 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.

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

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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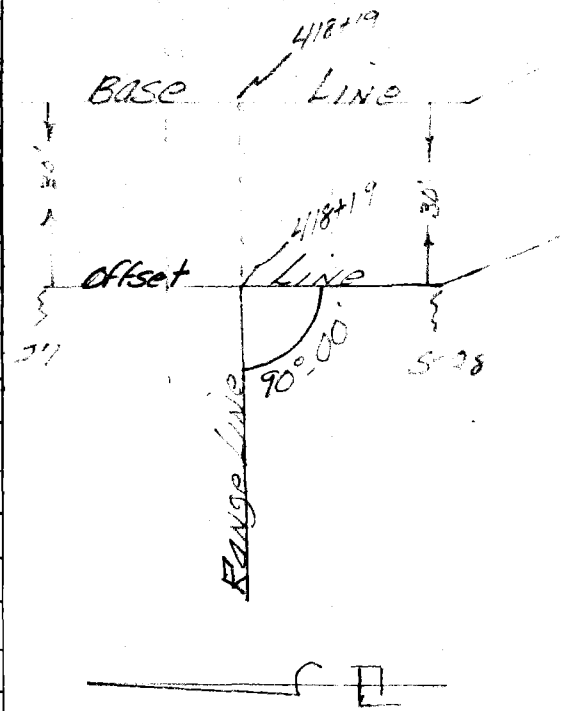
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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					
418+19	5+28	11:36	1	90°	00'			
			2					
			3					
			4					
			5					
			6					
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
		11:38	18					



Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2012 Pg. 48

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

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

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

F. B. 2812 PG. 44 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of BEGIN E POSION | Date | Date | No.

Survey by E-K-Lind | Notes RJ Rodriguez | Notes Chkd. | Checked | X-Sec.

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

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
4N-19	5-28			90°	00'			

Do not extend notes this side of this line.

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76L298 307 Cdb 1-62

76L298 307 Cdb 1-62

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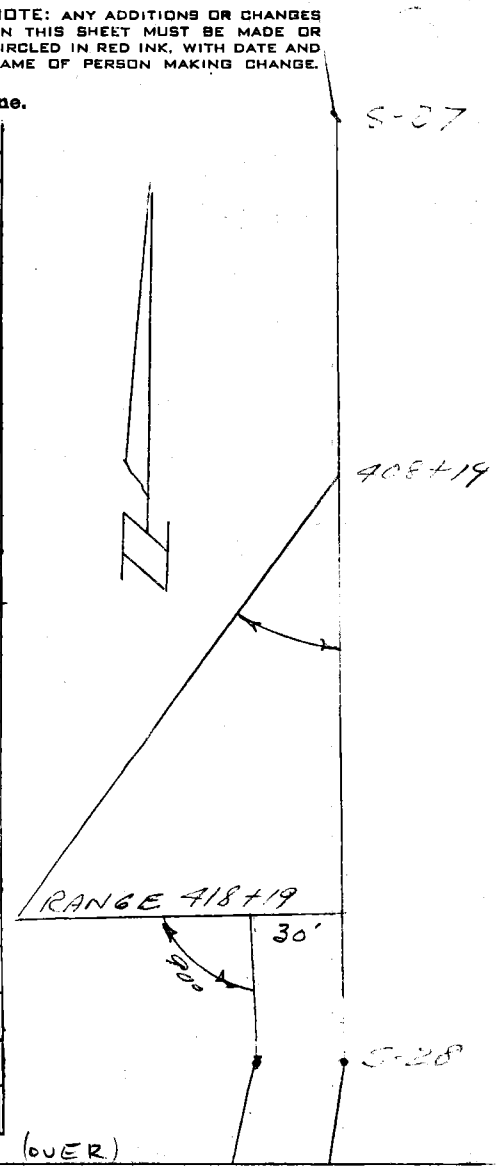
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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					
408+19	5-28	11:36	1	56	30			
			2	55	00			
			3	53	38			4182011
			4	52	17			
			5	50	52			
			6	49	00			4182013
			7	46	50			
			8	44	50			
			9	42	51			4182015
			10	40	27			
			11	37	52			
			12	35	00			4182017
			13	32	13			
			14	29	15			
			15	27	07			4182019
			16	25	00			
			17	22	52			
		11:39	18	21	18			4182020
			19	00	00			
			20	00	00			
				00	00			4182022

(OVER)



Profile
No. Date Date Date
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed C. J. GALLI Date

Notes Red. Plotted Job No. 2310.02 Division No. 11
Survey of B. E. STUDIES
F. B. 2818 Pg. 45

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					
				00	00			
				00	00			
				00	00			4182024

F. B. 2812 Pg. 46 Job No. 03000.07 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (REDONDO) Date No. X-Sec.

Survey by LIND Notes H.U.E. KABY Chkd. Checked

Indexed Date Date No.

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	423+19	Inshore
				532		
T.P.	467	999	344	655		
T.	100	805				
			03	78		30 Offset line
			29	52		32.5 RT
			67	14		30 RT
			87	-06		62 RT
			68	13		65.3 RT
			+26	107	29 Lt Toe slope	
					T @ 418+19 Sight @ S 28 30 ft off	
			75	06	15° 16'	Water
			84	-03	20° 03'	"
			97	-16	25° 02'	"
			133	-52	31° 32'	"
			160	-79	37° 17'	"
			155	-74	40° 27'	"
			148	-67	43° 46'	"
			162	-81	45° 49'	"
TP.			309	496		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 33042 Division No. 11 F. B. 2812 Pg. 47
X-Sec. ____ Date ____ Date ____ Survey of Beach Erosion Survey Notes Date
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 48

Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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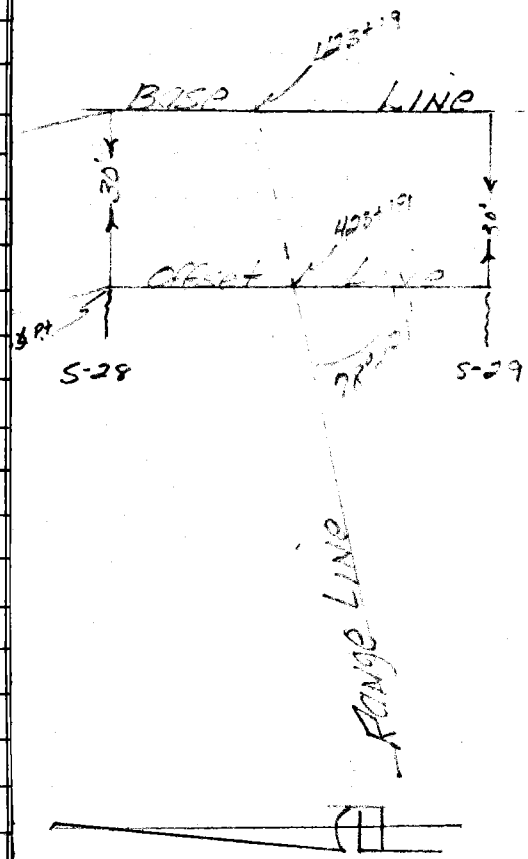
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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					
423+19	S-29	11:50	1	78°	21'			
			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. ____ Division No. 11 F. B. 5114 Pg. 49

X-Sec. No. ____ Date ____ Date ____ Survey of BRICH & PASTON Date ____

Notes Chkd. ____ Checked ____ Survey by ____ Notes Rec'd ____ Date ____

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

F. B. 2812 PG. 50 | Job No. 020002 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

Survey by EK-LND Notes RJRodriguez Notes Chkd. _____ Checked _____ X-Sec.

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

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
493719	5-29		21					
			22					
			23					
			24					
			25					
		13 01	26					

Do not extend notes this side of this line.

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76L298 307 Cdb 1-62

76L298 307 Cdb 1-62

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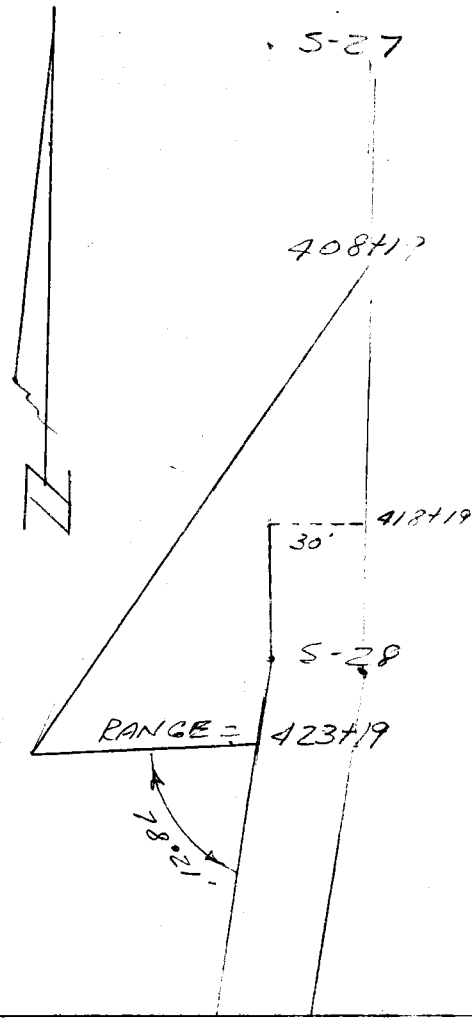
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
408+19	5-28	11:57	1	52	15			
			2	51	14			
			3	50	05			4182015
			4	48	55			
			5	47	44			
			6	46	30			4182017
			7	45	08			
			8	43	50			
			9	42	07			4182019
			10	40	40			
			11	39	18			
			12	37	18			4182021
			13	35	16			
			14	33	14			
			15	31	22			4182023
			16	29	17			
			17	27	32			
			18	26	00			4182025
			19	24	07			
			20	22	20			



Profile No.____ Date____ Notes Red____ Plotted____ Job No. 3000-12 Division No. 11 F. B. 1-12 Pg. 51

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of B.E. STUDIES (PEDRANDO) Survey by [illegible] Notes [illegible] Date [illegible]

Map No.____ Indexed C. J. GALL Date____

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. Deg.	Angle Min.	For Office Use Only: Range Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
			21	20	50			4182027
			22	18	45			
			23	17	10			
			24	15	17			4182029
			25	14	00			
		12:01	26	12	40			
				00	00			4182031
				00	00			
				00	00			
				00	00			4182033

F. B. 2012 Pg. 52 Job No 03303.02 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (12ED0 N/2) Date Date No. X-Sec.

Survey by L.N.D. Notes 4182029 Notes Chkd. Checked

Indexed C. J. GALLI Date Date Date No.

76L-298 S & E #307—1-56

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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.	428 + 19	Inshore.
				496		
TP.	241	737	204	533		
TP.	190	723				
			19	53		30 H offset
			37	35		28 Rt.
			62	10		83 Rt
			75	-03		85.5 Rt.
			74	-02		89 Rt
			+26	98	35 H Toe Slope	
					X @ 423+19	Sight @ 426+19
			72	00	14° 12'	Water
			93	-21	17° 50'	"
			95	-23	21° 21'	"
			100	-28	24° 08'	"
			118	-46	28° 45'	"
			133	-61	33° 22'	"
			140	-68	36° 14'	"
			150	-78	39° 18	"

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2318 Pg. 53
No. ____ Date ____ Date ____ Survey of Beach Erosion Date ____
X-Sec. Notes Chkd. ____ Checked ____ Survey by F.T.R. Notes F.T.R. Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 54 | 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.

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

Do not extend notes this side of this line.

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7SL-298 S & E #307—1-56

76L298 307 Cdb 1-62

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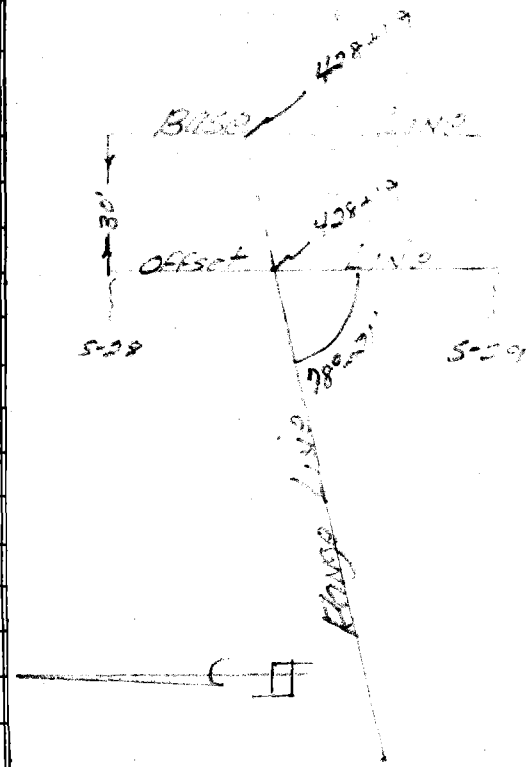
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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					
428+19	S-29	12 14	1	78°	21'			
			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. 11 F. B. 2112 Pg. 55

No. Date Date Survey of

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

No. Date Date Map No. Indexed C. J. GATTI Date

F. B. 2812 PG. 56 | Job No. 03002 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Date _____ Date _____ No. _____

Survey by C.K. Lind Notes R.J. Rodriguez Notes Chkd. _____ Checked _____ X-Sec.

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

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
1/3/2/19	5-39		21	180	21			
			22					
			23					
		1/10	24					

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761.298 307 Cdb 1-62

76L298 307 Cdb 1-62

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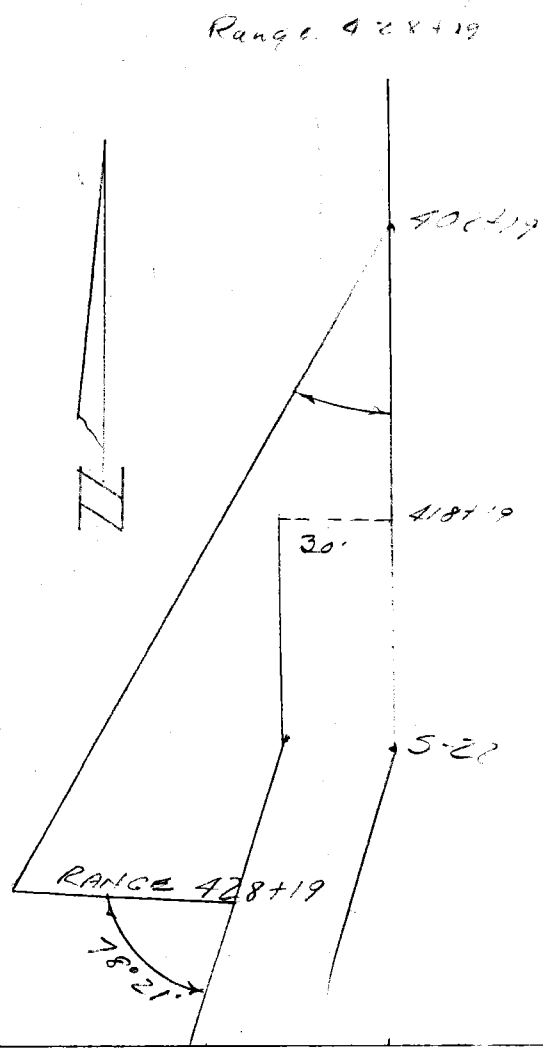
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
408+19	S-28	12:13	1	47	05			
			2	45	46			
			3	44	12			4282013
			4	42	30			
			5	40	55			
			6	39	47			4282015
			7	38	15			
			8	37	05			
			9	35	30			4282017
			10	33	52			
			11	32	07			
			12	30	40			4282019
			13	29	05			
			14	27	00			
			15	25	05			4282021
			16	23	14			
			17	21	05			
			18	19	35			4282023
			19	18	08			
			20	16	22			



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 0300.03 Division No. 11 F. B. 2112 Pg. 57
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of BE STUDIES (REDONDO)
Survey by Lind Notes Huckaby Date 8-27-62
Map No. ____ Indexed C. J. GALLI Date ____

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. 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	14	45			4282025
			22	13	17			
			23	12	25			
		12:17	24	11	45			4282027
				00	00			
				00	00			
				00	00			4282029
				101	39			
				00	00			
				00	00			4301908
				00	00			
				00	00			
				00	00			4301910
				13	23			
				18	01			
				21	26			4301912
				24	20			
				26	40			
				29	05			4301914

F. B. 2811 Pg. 58 Job No. 03000.02 Division No. 11

Survey of B.E. STUDIES (REDONDO)

Survey by L.N.D. Notes Hockaby

Indexed C. J. GALLI Date

Notes Red. Plotted Profile

Date Date No.

Notes Chkd. Checked X-Sec.

Date Date No.

76L-298 S & E #307—1-56

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	S. S.	H. I.	F. S.	ELEV.	430 +19	Inshore
		1 23				
			10	62		30 ft [illegible] line
			37	35		37 Rt
			60	12		100 Rt
			+28	100	19 Lt toe slope	
					T @ 423 +19 Sight @ 430 +19	
			60	-08	13° 23'	Water
			98	-26	18° 01'	"
			77	-05	21° 26'	"
			124	-52	24° 20'	"
			138	-66	26° 40'	"
			152	-80	29° 05'	"
			158	-86	30° 22'	"
T.P.			019	704		
T.P.	320	1024	247	777		
T.P.	2 [illegible]	1023	283	740		
T.P.	304	1044	299	745		
T.P.	363	1108	078	1030		
			over			

Profile Notes Rod ____ Plotted ____ Job No. ____ Division No. ____ F. B. 2112 Pg. 57

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

No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Date ____

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

76L-298 S & E #307—1-56

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	7.96	18.20		10.30		
T.P.	8.22	25.02	1.40	16.80		
TBM#1			3.02	22.00	TBM#1 Elev. 22.00	F.B. 2100-154

F. B. 2112 Pg. 60

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

Date ____ Date ____ No. ____ X-Sec.

Survey of ____ Notes ____ Checked ____ No.

Survey by ____ Date ____ Date ____

Indexed C. J. GALLI

76L298 307 Cdb 1-62

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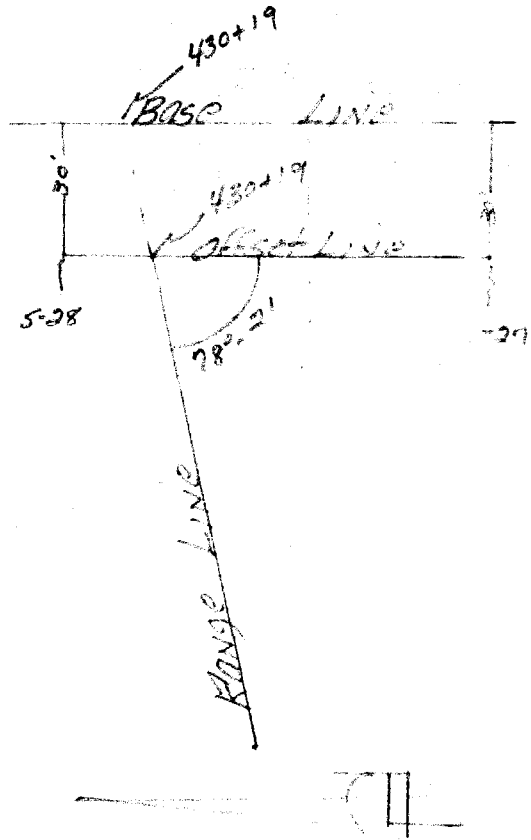
Do not extend notes this side of this line.

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					
430+19	5-29	12:33	1	78°	21			
			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. 11

No. ____ Date ____ Date ____ Survey of Beach & Lines Notes ____ Date ____

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

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

F. B. 2812 PG. 61

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					
430+19	5-29		21	78°	21'			
			22					
			23					
			24					
			25					
		1234	26					

Profile No.

X-Sec. No.

Plotted Date

Checked Date

Notes Red. Date

Notes Chkd. Date

Division No. 11

Job No. 0300.02

Notes Rodriguez

Date

F. B. 2812 Pg. 62

Survey of Roads & Bridges

Survey by C. J. GALLI

Indexed

76L298 307 Cdb 1-62

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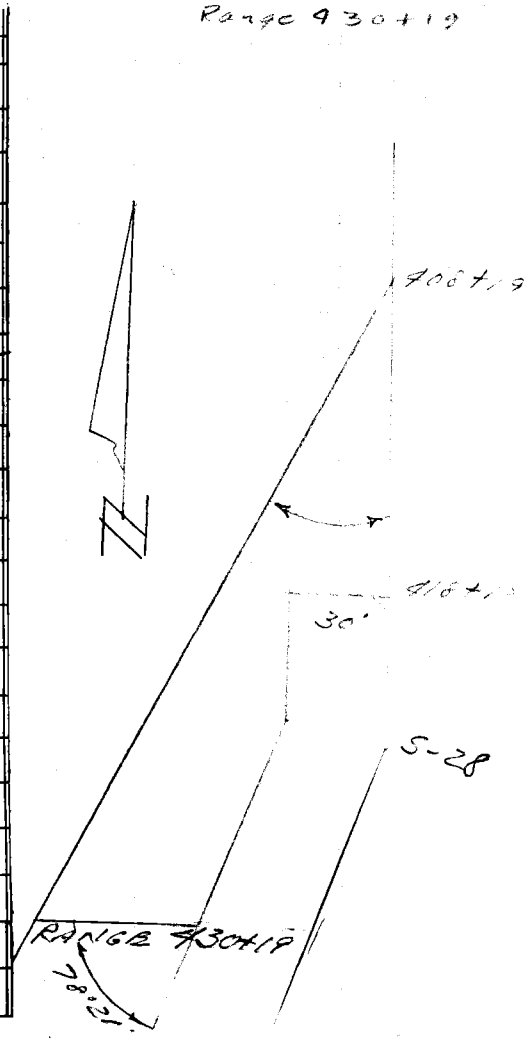
Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle Nº	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Deg.	For Office Use Only Line Min.	For Office Use Only Card Nº
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
408+19	5-28	12:33	1	41	16			
			2	39	52			
			3	38	40			4302013
			4	37	10			
			5	36	03			
			6	35	10			4302015
			7	34	02			
			8	32	55			
			9	31	45			4302017
			10	30	35			
			11	29	28			
			12	28	03			4302019
			13	26	50			
			14	25	45			
			15	24	23			4302021
			16	23	07			
			17	21	52			
			18	20	25			4302023
			19	19	20			
			20	18	07			



Profile Notes Red_____ Plotted_____ Job No 63100-42 Division No. 11 F. B. 2112 Pg. 63

No._____ Date_____ Date_____ Survey of B.F. STUDIES (REDONDO)

X-Sec. Notes Chkd._____ Checked_____ Survey by LIND Notes by Date 8-4-62

No._____ Date_____ Map No._____ Indexed C. J. GALLI 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	00			4302025
			22	16	00			
			23	14	45			
			24	13	30			4302027
			25	12	28			
		12:36	26	11	40			
				00	00			4302029
				00	00			
				00	00			
				00	00			4302031

F. B. 2814 Pg. 64 Job No. 2300.02 Division No. 11 Profile No.

Survey of B.E. STUDIES (REDONDO)

Survey by LIND Notes Hickey Date Plotted

Indexed C. J. GALLI Date Notes Chkd. Date Checked Date

Notes Red. Date X-Sec. No.

Profile No.	Notes Red Date	Plotted Date	Job No. 0754.05	Division No. 11	F.B. 2812	Pg. 65
X-Sec. No.	Notes Chkd. Date	Checked Date	Survey of BEACH EROSION STUDIES			
			Survey by LIND	Notes LIND	Date 8-29-62	
			Map No.	Indexed C. J. GALLI	Date ~~SEP 1962~~ SEP 11 62	

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76-L298 CE 307 3-61

0754.05

J.N. ~~0300.02~~

BEACH EROSION STUDIES

OF

ZUMA BEACH

AUG. 29, thru SEPT. 4, 1962

FROM: STATION 0+00

TO: STATION 209+27.42

REF. F.B. 2100

NOTE: ALL TIME RECORDED ON THIS JOB WAS PACIFIC STANDARD TIME.
ALL ELEVATIONS ARE BASED ON M.L.L.W. DATUM.

	BOAT PARTY	SWIM PARTY
F.S.	LIND	BROOKS
H.I.	Shoemaker Bazen Foulger Huckaby Rodriguez R.J.	Maldonado Cook Martinez Beck
B.S.	Ohashi Rodriguez R.R. Mather	
STATION	McKnight Masuda	

F.B. 2812 PG. 66 | Job No. 0754.05 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.

Do not extend notes this side of this line.

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76-L298 CE 307 3-61

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	S. S.	H. I.	F. S.	ELEV.	0+00	Inshore
Z-1A	322	1551		12.29	Z-1A Elev. 12.229	F.B. 2410-130
T.P.	367	1133	785	766		
					T@ 5+00 sight @ 0+00	
0+00			+24	137	0° 30'	Ht. of Control line
			+19	132	0° 00'	Control line
			05	108	4° 06'	RT of " "
			00	113	7° 30'	" " " " 3+00
			13	100	9° 14'	" " " "
			13	100	9° 58'	" " " " Brush
			40	73	10° 41'	" " " "
			70	43	12° 56'	" " " " Water
			92	21	15° 49'	" "
			133	-20	22° 24'	" " " "
			164	-51	26° 03'	" " " "
			185	-72	32° 19'	" " " " "
T.P.			157	976		

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0754.05 Division No. 11
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Survey Date 24 Aug 19??
Survey by FEB Notes ____ Date ____
Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 PG. 67

F. B. 2812 Pg. 68 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.

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

Do not extend notes this side of this line.

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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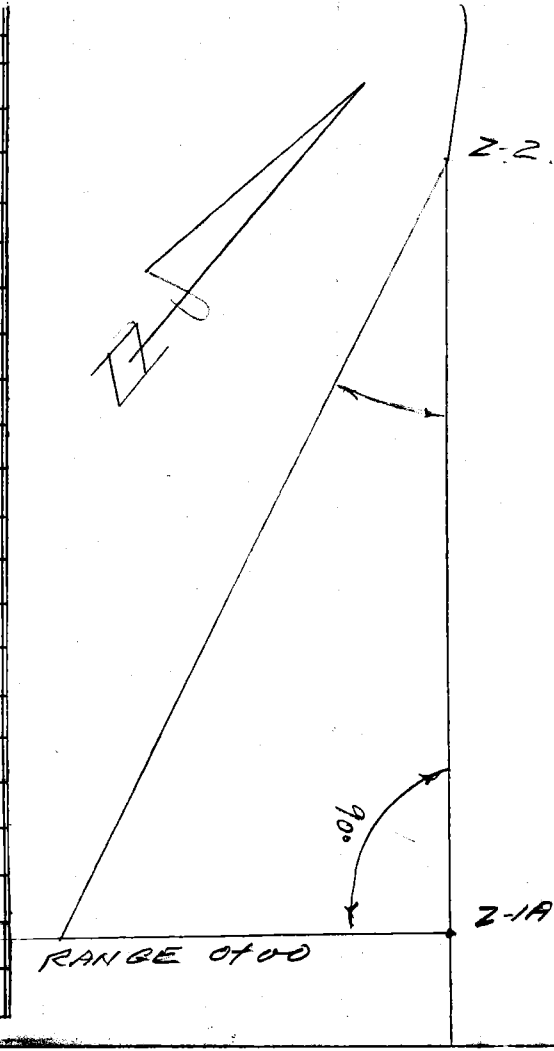
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
Z-2	Z-1A	6:59	1	14	42			
			2	13	40			
			3	12	28			00000112
			4	11	33			
			5	10	28			
			6	09	23			00000114
			7	08	24			
			8	07	30			
			9	06	50			00000116
			10	05	58			
			11	05	18			
		7:01	12	04	46			00000118
				00	00			
				00	00			
				00	00			00000120



Profile
No. Date
X-Sec.
No. Date
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Job No. 0754.05
Survey of B.F. STUDIES (2MAP)
Survey by LIND
Map No.
Division No. 11
Notes Checked Date 3-29-62
Indexed C. J. GALL Date
F. B. 28112 Pg. 19

F. B. 2812 PG. 70 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

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

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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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.

761298 307 Cdb 1-62

76L-298 S & E #307—1-56

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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.	5+00		Inshore		
T.P.	121	1097		976					
5+00					T @ 0+00 sight @ 22				
			+59	169	0° 00'		Center	line	
			+45	155	30° 53'	Lt. of	"	"	
			+36	146	5° 26'	" "	"	"	
			+13	123	6° 44'	" "	"	"	
			+11	121	12° 57'	" "	"	"	
			22	~~58~~ 76	16° 04'	" "	"	"	
			76	~~24~~ 34	19° 19'	" "	"	"	Water
			114	-04	22° 30'	" "	"	"	"
			134	-24	26° 45'	" "	"	"	"
			170	-60	36° 23'	" "	"	"	"
			185	-75	36° 33	" "	"	"	"
T.P.			200	897					
T.P.	430	1327	455	872					

Profile Notes Red. Plotted Job No. 0764.06 Division No. 11 F. B. 2812 PG. 71
No. Date Date Date Survey of Bridge Foundation
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 2812 Pg. 72

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.

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

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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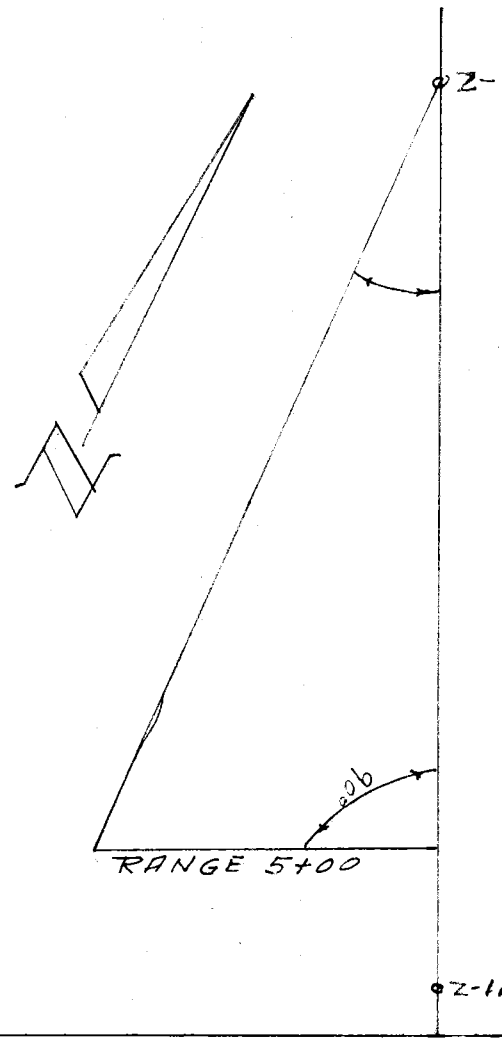
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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					
Z-2	Z-1A	7:16	1	21	13			
			2	19	20			
			3	17	25			0050112
			4	15	50			
			5	14	15			
			6	13	15			0050114
			7	12	07			
			8	11	03			
			9	10	10			0050116
			10	09	13			
			11	08	17			
			12	07	45			0050118
			13	07	20			
		7:18	14	07	05			
				00	00			0050120
				00	00			
				00	00			
				00	00			0050140



Profile Notes Red ____ Plotted ____ Job No. 0157.5 Division No. 11 F. B. 2812 PG. 73
No. ____ Date ____ Date ____ Survey of RESTUDIES (Z.U.B.)
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes Hukeum Date 8-29-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 PG. 74 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

Survey by LINO Notes Huckaby Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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					

76L-298 S & E #307—1-56

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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.	10+00		Inshore		
T.P.	204	1076		872					
					TG 5+00 Sight @ Z-2				
10+00			+56	164	0° 00'		Control line		
			+25	133	6° 15'	Lt. of	"	"	
			+12	120	10° 38'	" "			
			46	62	13° 28'	" "	"	"	
			97	11	14° 07'	" "	"	"	Water
			120	-12	21° 45'	" "	"	"	
			134	-26	25° 15'	" "	"	"	"
			168	-69	30° 44'	" "	"	"	"
			180	-72	34° 56'	" "	"	"	"
T.P.			206	870					

Profile Notes Red. Plotted Job No. 0754.05 Division No. 11 F. B. 7612 Pg. 75
No. X-Sec. Date Date Survey of Beach Erosion Survey Notes FFB Date 20 Aug 1962
No. Notes Chk'd. Checked Survey by FFB
Date Date Map No. Interred C. J. GALL Date

F. B. 2812 Pg. 76 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.

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

Do not extend notes this side of this line.

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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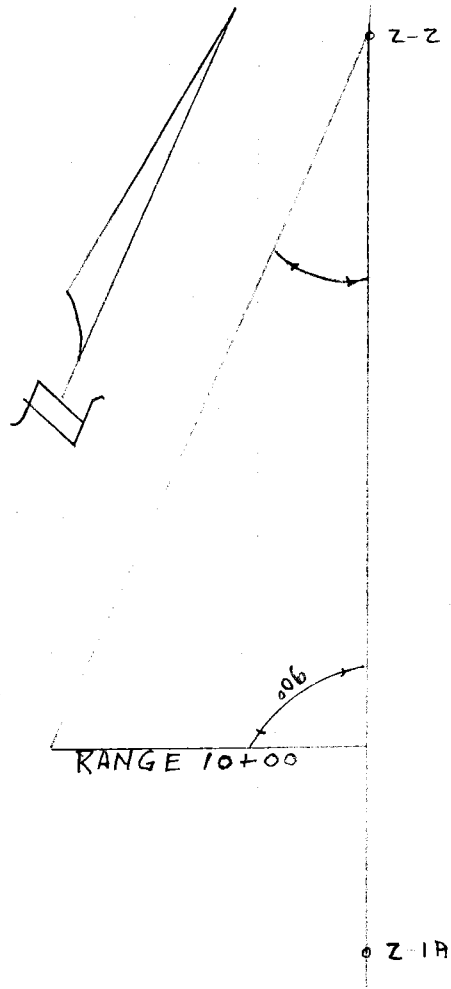
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
Z-2	Z-1A	7:28	1	29	14			
			2	28	00			
			3	26	47			0100124
			4	25	29			
			5	23	52			
			6	22	42			0100126
			7	21	20			
			8	20	05			
			9	18	48			0100128
			10	17	24			
			11	16	25			
			12	15	05			0100130
			13	14	07			
			14	13	37			
			15	13	00			0100132
			16	12	17			
			17	11	06			
			18	09	55			0100134
		7:31	19	09	06			
				00	00			
				00	00			0100136



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0759.05 Division No. 11 F.B. 2812 PG. 77

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of BE. STUDIES (ZUMA) Survey by LIND Notes Huckabu Date 8-29-62 Map No. ____ Indexed G. L. GALL Date ____

F. B. 2812 PG. 79 | Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (ZUMA) Date _____ Date _____ No. _____

Survey by LIND Notes Huckaby 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					

76L-298 S & E #307—1-56

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.

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STATION	S. S.	H. I.	F. S.	ELEV.	15+00 Inshore				
T.P.	195	1065		870					
					TG 10+00 sight @ 22				
15+00			+73	180	0° 00'		Control	line	
			+37	144	2° 51'	Lt.	of	"	"
			+23	130	6° 06'	"	"	"	"
			84	23	13° 45'	"	"	"	" Water
			120	-13	20° 44'	"	"	"	" "
			141	-34	24° 25'	"	"	"	" "
			150	-43	27° 27'	"	"	"	" "
			166	-59	28° 49'	"	"	"	" "
			183	-76	31° 33'	"	"	"	" "
T.P.			236	829					

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 0754-05 Survey of Beach Map No. Indexed C. L. GALL Date Division No. 11 Survey by FFB Notes FFB Date 20 Aug 1956 F. B. 2812 Pg. 79

F. B. 2812 Pg. 80 | 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.

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

Do not extend notes this side of this line.

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO
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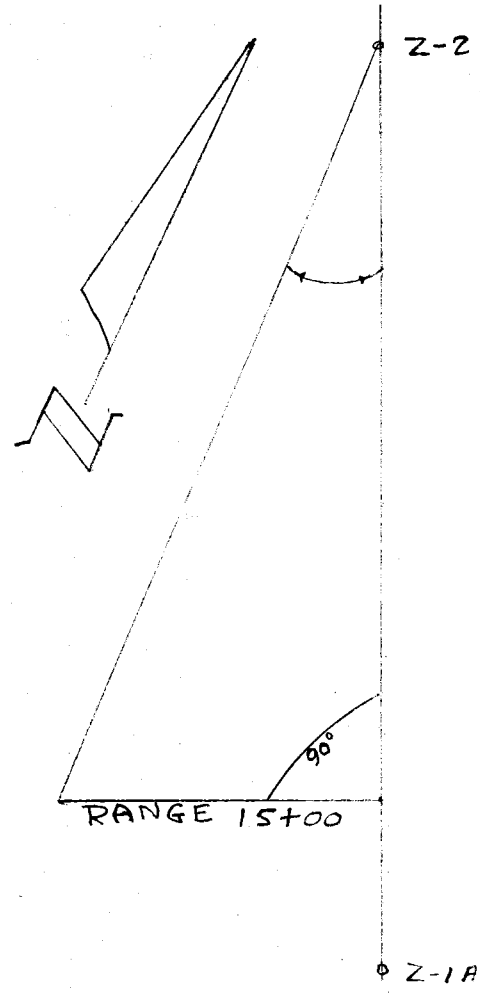
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
Z-2	Z-1A	7:40	1	36	40			
			2	34	28			
			3	32	20			0150112
			4	30	52			
			5	29	10			
			6	27	14			0150114
			7	25	15			
			8	23	53			
			9	22	26			0150116
			10	21	08			
			11	20	00			
			12	18	08			0150118
			13	16	40			
			14	14	43			
			15	13	33			0150120
			16	12	00			
			17	11	04			
			18	10	03			0150122
		7:43	19	09	23			
				00	00			
				00	00			0150124



over

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0759.05 Division No. 11 F.B. 2412 Pg. 91
X-Sec. No. ____ Date ____ Date ____ Survey of BE. STUDIES (ZUMA)
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by LIND Notes Heck Lab Date 8-29-62
Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 PG. 82 | Job No. 0759-05 Division No. 11 | Notes Red. | Plotted | Profile

Survey of B.E. STUDIES (ZUMA) | Date | Date | No.

Survey by LIND | Notes Huckaby | 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			0150126

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76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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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.	20+00		Inshore		
T.P.	157	986		829					
					TC @ 15+00		Sight @ Z 2		
20+06			+72	171	0° 00'		Control	line	
			+38	137	30° 08'	Lt. of	"	"	
			+31	130	7° 52'	" "	"	"	
			52	47	13° 54'	" "	"	"	
			90	09	18° 46'	" "	"	"	Water
			105	-06	23° 27'	" "	"	"	"
			132	-33	29° 51'	" "	"	"	"
			165	-66	35° 22'	" "	"	"	"
			185	-86	41° 21'	" "	"	"	"
T.P.			280	70					

Profile Notes Red ____ Plotted ____ Job No. 0754.05 Division No. 11
No. ____ X-Sec. Date ____ Date ____ Survey of Beach Erosion
No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 2-2-1957
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2412 PG. 83

F. B. 2412 Pg. 84 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.

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

Do not extend notes this side of this line.

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76L-268 S & E #307—1-56

76L298 307 Cdb 1-62

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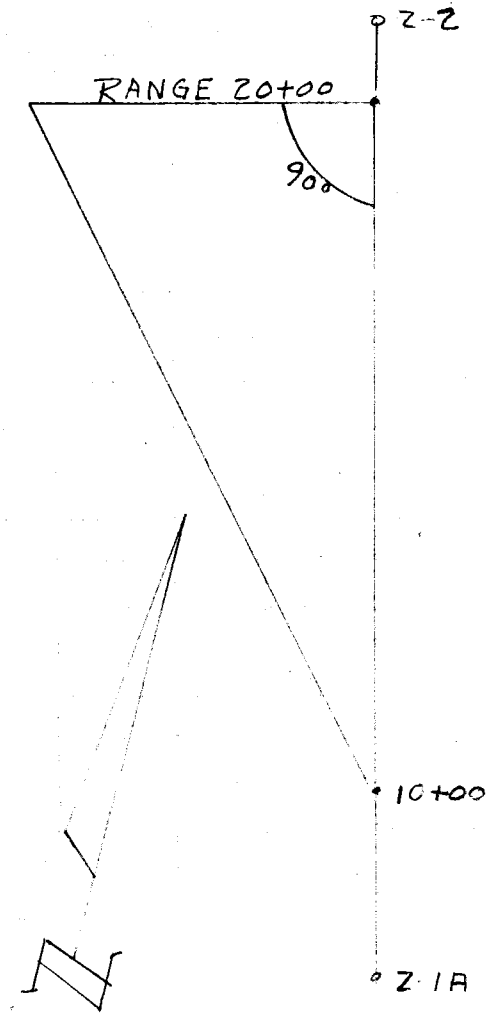
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
10+00	Z-Z	8:00	1	44	20			
			2	42	10			
			3	40	07			
			4	37	32			
			5	35	28			
			6	33	04			
			7	30	45			
			8	28	08			
			9	25	47			
			10	24	15			
			11	21	13			
			12	21	52			
			13	20	20			
			14	18	50			
			15	17	50			
			16	17	25			
			17	16	00			
			18	14	40			
		8:03	19	13	33			
			20					



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. 11 F.B. 2412 Pg. 85
X-Sec. No. ____ Date ____ Date ____ Survey of BEST STUDIES (ZUMA)
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by LIND Notes Huckaby Date 3-29-62
Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 PG. 86

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

Survey of _____ Date _____ Date _____

Survey by _____ Notes _____ Notes Chkd. _____ Checked _____

Indexed _____ Date _____ Date _____ Date _____

Profile No. _____

X-Sec. No. _____

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	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					

76L298 307 Cdb 1-62

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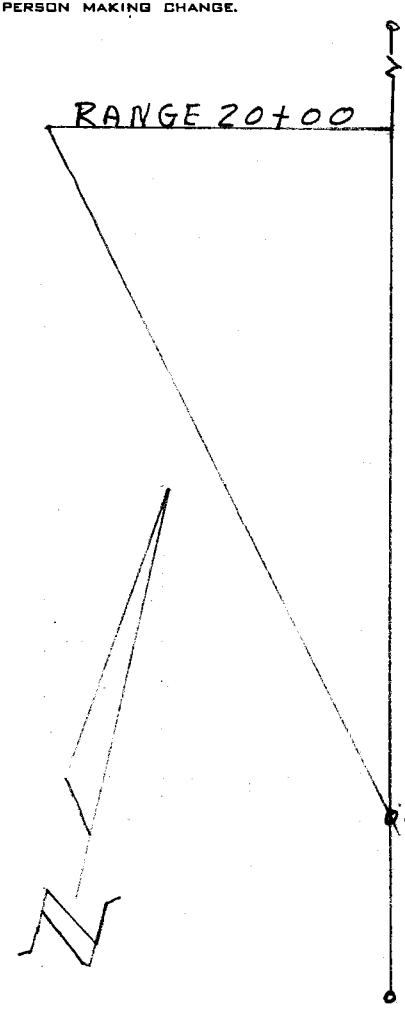
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
10+00	Z-2	8:07	1	37	55			
			2	36	20			
			3	34	35			0200108
			4	32	27			
			5	30	00			
			6	26	55			0200110
			7	25	00			
			8	22	27			
			9	20	00			0200112
			10	17	52			
			11	16	13			
			12	14	45			0200114
		8:09	13	14	13			
				00	00			
				00	00			0200116
				00	00			
				00	00			
				00	00			0200118



Profile No. Notes Red. Plotted Job No. 01254 05 Division No. 11 F. B. 2816 Pg. 87
X-Sec. No. Date Date Date Survey of BE STUDIES (ZUMA)
Notes Chkd. Checked Survey by LIND Noted HUCKABY Date 8-29-62
Date Date Map No. Indexed J. GALLI Date

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. 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					
						90		
						00		
						00		0200120
						00		
						00		
						00		0200122

F. B. 2812 Pg. 88

Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date No. X-Sec.

Survey by LIND Notes Hucaby Notes Chkd. Checked

Indexed Date Date Date No.

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	25+00 Inshore				
T.P.	322	1028		706					
					T @ 20+00 Sight @ 2-2				
25+00			+35	138	0° 00'		Control	line	
			+29	132	3° 32'	Lt	of	"	"
			+27	130	6° 01'	"	"	"	"
			+29	132	9° 03'	"	"	"	"
			57	46	15° 37'	"	"	"	"
			97	06	21° 15'	"	"	"	" Water
			130	-27	28° 20'	"	"	"	"
			160	-57	32° 30'	"	"	"	" "
			183	-80	36° 10'	"	"	"	" "
T.P.			408	620					
T.P.	516	1136	360	776					

Profile Notes Red. Plotted Job No. 0754-05 Division No. 11 F. B. 2812 PG. 39
No. Date Date Survey of Beach Erosion Date 10 Aug 19
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed C. J. GALL Date

F. B. 2812 Pg. 90

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.

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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L-298 S & E #307—1-36

76L298 307 Cdb 1-62

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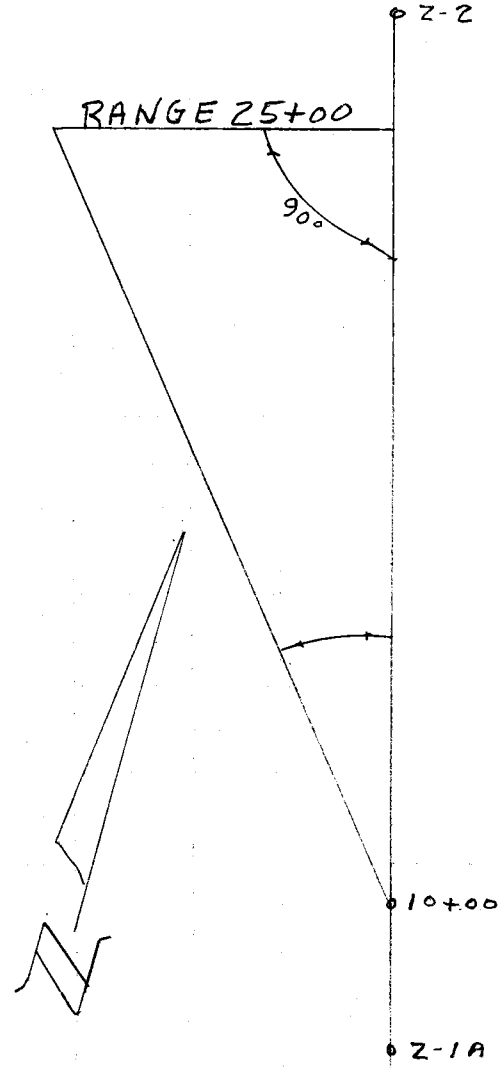
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
10+00	Z-2	8:23	1	26	51			
			2	25	23			
			3	23	00			0250112
			4	21	30			
			5	20	07			
			6	18	53			0250114
			7	17	41			
			8	16	10			
			9	14	32			0250116
			10	12	55			
			11	11	28			
			12	10	13			0250118
			13	09	17			
		8:25	14	08	45			
			15	00	00			0250120
			16	00	00			
			17	00	00			
				00	00			0250122



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0754-05 Division No. 11 F. B. 2812 Pg. 21
X-Sec. No. ____ Date ____ Date ____ Survey of BE STUDIES (ZUMA)
Notes Chkd. ____ Date ____ Checked ____ Survey by LIND Notes Hydrology Date 8-29-62
Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 PG. 92 | Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (ZUMA) Date _____ Date _____ No. _____

Survey by LIND Notes Huckaby 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					

76L-298 S & E #307—1-56

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STATION	S. S.	H. I.	F. S.	ELEV.	30+00	Pushaw
T.P.	241	1017		776		
					T @ Z 2 sight @ 30+00	
			+143	245	1° 04'	Rt of Control line Edge of Blacktop
			+68	170	2° 00'	Control line
			+66	168	3° 35'	Lt. of " "
			+50	152	7° 30'	" " " "
			+36	138	11° 08'	" " " "
			+19	121	12° 04'	" " " "
			87	15	24° 08'	" " " "
			102	00	28° 35'	" " " " Water
			123	-21	35° 38'	" " " " "
			141	-39	40° 45'	
			174	-72	46° 26'	
			188	-86	52° 03	
T.P.			329	688		

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0254.05 Survey of Survey by Map No. Division No. 11 Notes Indexed C. J. GALLI F. B. 2612 Pg. 93 Date Date

F. B. 2812 Pg. 94

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.

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

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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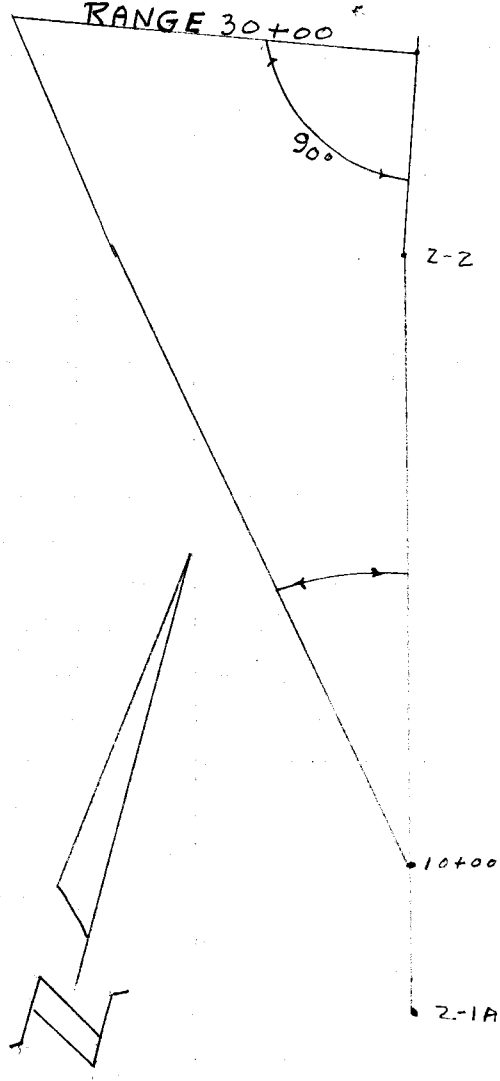
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
10+00	Z-2	8:40	1	23	22			
			2	22	01			
			3	20	30			0300110
			4	19	12			
			5	17	53			
			6	16	47			0300112
			7	15	32			
			8	14	22			
			9	13	20			0300114
			10	12	00			
			11	10	55			
			12	09	50			0300116
			13	09	00			
			14	08	21			
			15	07	40			0300118
			16	06	50			
			17	06	14			
		8:44	18	05	40			0300120
				00	00			
				00	00			
				00	00			0300122



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2812 Pg. 55
X-Sec. No. ____ Date ____ Date ____ Survey of B.E. STUDIES (ZUMP)
Notes Chkd. ____ Checked ____ Survey by LIND Notes Checked Date 8-29-62
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 PG. 96 | Job No. 2759.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

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

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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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.	35+00 Inshore				
T.P.	314	1002		688					
					T@ Z-2 Sight @ 35+00				
			+112	212	0° 00'		Con tol	line	
			+109	209	2° 06'	H	A	"	"
			+40	140	3° 45'	"	"	"	"
			+27	127	3° 50'	"	"	"	"
			85	15	8° 55'	"	"	"	" WATER
			116	-16	13° 35'	"	"	"	" "
			133	-33	16° 37'	"	"	"	" "
			170	-70	21° 48'	"	"	"	" "
			184	-84	23° 39'	"	"	"	" "
T.P.			392	610					

Profile Notes Red. Plotted Job No. 0757.05 Division No. 11 F. B. 2812 PG. 57
No. Date Date Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by FEB Notes Date 29 Aug 1972
No. Date Date Map No. Indexed G. J. GALLI Date

F. B. 2812 Pg. 98 | 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.

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

Do not extend notes this side of this line.

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

76L-208 S & E #307—1-56

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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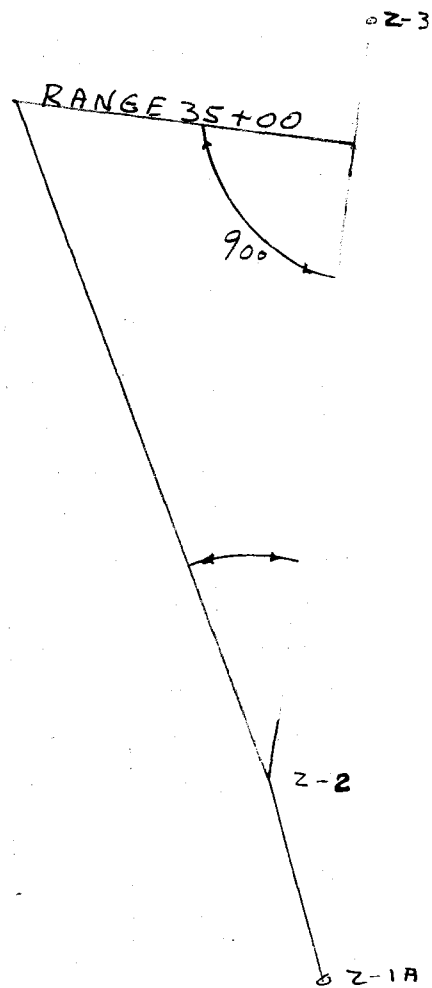
Do not extend notes this side of this line.

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					
Z-2	Z-3	8:57	1	49	00			
			2	46	45			
			3	43	55			0350108
			4	41	18			
			5	38	36			
			6	36	12			0350110
			7	34	23			
			8	31	04			
			9	29	00			0350112
			10	27	20			
			11	25	52			
			12	25	28			0350114
			13	24	03			
			14	21	32			
			15	18	39			0350116
			16	16	45			
		9:01	17	15	42			
				00	00			0350118
				00	00			
				00	00			
				00	00			0350120



Profile Notes Red. Plotted Job No. 2354-05 Division No. 11 F. B. 2872 Pg. 99
No. Date Date Survey of K.F. STUDIES (ZUMA)
X-Sec. Notes Chkd. Checked Survey by LIND Notes Hughes Date 8-29-62
No. Date Date Map No. Index C. J. GALL Date

F. B. 2812 PG. 100 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____

Survey of B.E. STUDIES (ZUMA) Date _____ Date _____

Survey by LIND Notes Huckaby Notes Chkd. _____ Checked _____

Indexed _____ Date _____ Date _____ Date _____

Profile No. _____

X-Sec. 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

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76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	40+00 in above				
T.P.	339	949		610					
					T.@ 35+00 sight 40+00				
			+55	150	0° 00'	Control line			
			+44	139	1° 48'	Lt. of	"	"	
			+40	135	3° 33'	" "	"	"	
			62	33	11° 14'	" "	"	"	Water
			90	05	15° 36'	" "	"	"	"
			117	-22	22° 28'	" "	"	"	"
			136	-41	27° 32'	" "	"	"	"
			155	-60	31° 34'	" "	"	"	"
			184	-89	40° 16'	" "	"	"	"
T.P.			356	593					

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 0754.05 Survey of Survey by Map No. Division No. Beach Notes Indexed R. J. GALLI Date F. B. Pg.

F. B. 2212 Pg. 102 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.

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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO
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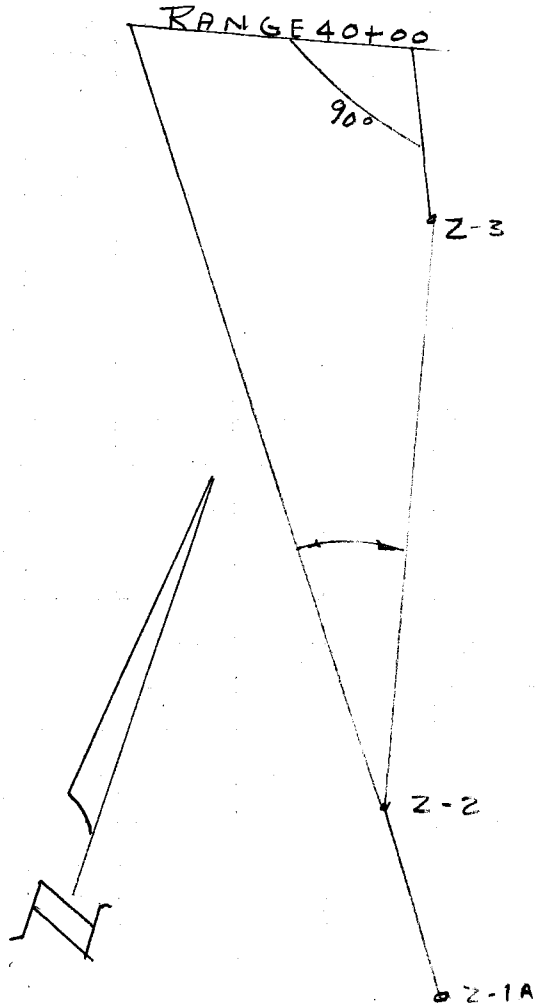
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
Z-2	Z-3	9:14	1	37	52			
			2	36	00			
			3	33	52			0400110
			4	31	15			
			5	28	16			
			6	25	44			0400112
			7	23	12			
			8	20	33			
			9	18	40			0400114
			10	16	40			
			11	14	51			
			12	14	00			0400116
			13	12	27			
			14	11	27			
		9:17	15	10	05			0400118
				00	00			
				00	00			
				00	00			0400120



Profile Notes Red. Plotted Job No. 2754.05 Division No. 11 F. B. 2812 Pg. 103
No. Date Date Survey of R.E. STUDIES (ZUMA)
X-Sec. Notes Chkd. Checked Survey by LIND Notes Luckey Date 8-29-62
No. Date Date Map No. Indexed C. J. GALL Date

F. B. 2812 PG. 104 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of BE STUDIES (ZUMA) Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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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	S. S.	H. I.	F. S.	ELEV.	45+00	Inshore
T.P.	312	905		593		
					T @ 40+00 sight @ 45+00	
			+82	173	3° 20'	Rt of Control line
			+70	161	1° 30'	" " " "
			+50	141	0° 00'	" Control line
			71	20	9° 38	Lt of " "
			92	-01	15° 08'	" " " " Water
			132	-41	24° 02'	" " " " "
			160	-69	29° 00'	" " " " "
			184	-93	32° 45'	" " " " "
T.P.			353	552		
T.P.	444	996	958	538		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 754.05 Division No. 16
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion Study
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 105

F. B. 2812 Pg. 106 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.

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

Do not extend notes this side of this line.

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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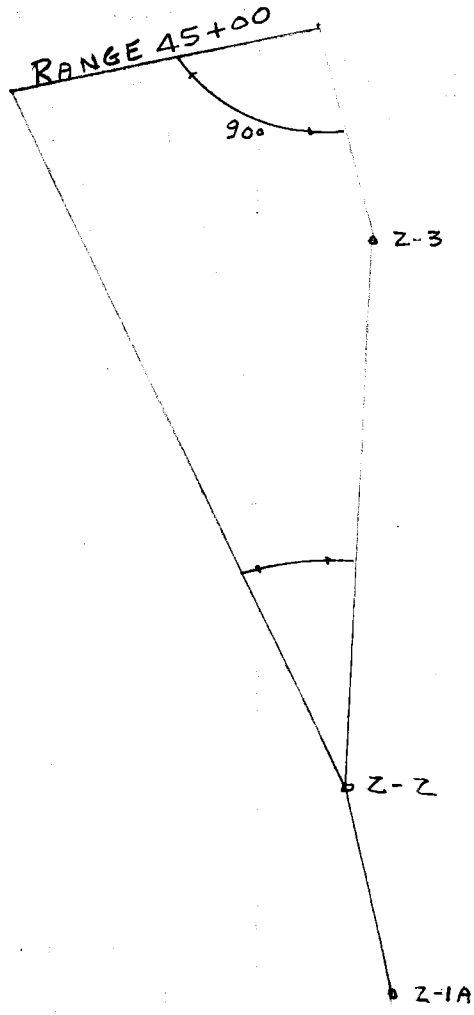
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
Z-2	Z-3	9:31	1	25	00			
			2	23	42			
			3	21	45			
			4	19	43			
			5	17	40			
			6	16	05			
			7	14	00			
			8	12	33			
			9	11	07			
			10	09	54			
		9:33	11	09	20			
			12					
			13					
			14					
			15					

Put on page



Profile No.
X-Sec. No.
Notes Red Date
Notes Chkd. Date
Plotted Date
Checked Date
Job No. 754.05 Division No. 11
Survey of B.E. STUDIES (ZUMA)
Survey by Linn Notes Huckaby Date 8-29-62
Map No. Indexed C. J. GALL Date
F. B. 2812 PG. 107

F. B. 2812 PG. 108 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of BE STUDIES (ZUMA) Date Date No.

Survey by LIND Notes HUCKABY 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					

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	50+00 Inshore				
T.P.	292	830		538					
					T @ 45+00 Sight @ 00+00'				
			+60	143	0° 00'	Control line			
			+50	133	0° 43'	Lt. of	"	"	"
			+40	123	3° 56'	"	"	"	"
			00	83	5° 25'	"	"	"	"
			70	13	13° 35'	"	"	"	" Water
			86	-03	18° 18'	"	"	"	"
			125	-42	27° 24'	"	"	"	"
			154	-71	31° 21'	"	"	"	"
			186	-103	35° 15'	"	"	"	"
T.P.			288	542					

Profile Notes Red. Plotted Job No. 0754.05
No. X-Sec. Date Date Survey of Division No. 11
No. Notes Chkd. Checked Survey by Notes Date
Date Date Map No. Indexed C. J. GALL Date

F. B. 2012 PG. 19

F. B. 2812 Pg. 118 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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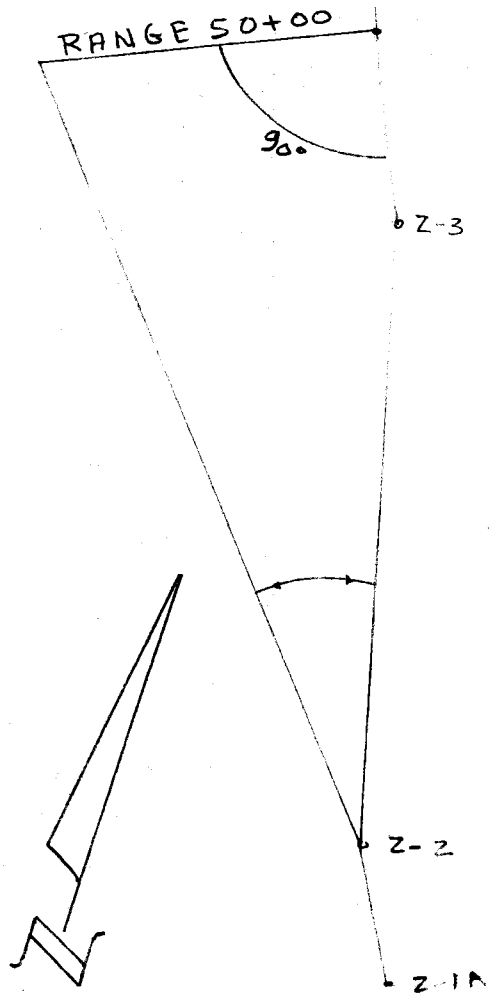
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
2-2	2-3	9:42	1	23	10			
			2	21	06			
			3	19	17			0500110
			4	17	50			
			5	16	20			
			6	15	00			0500112
			7	13	23			
			8	12	00			
			9	11	00			0500114
		9:44	10	10	20			
			11	00	00			
			12	00	00			0500116
				00	00			
				00	00			
				00	00			0500118



Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0785.05 Division No. 11 F. B. 2812 Pg. 111

X-Sec. No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of LE STUDIES (ZUMA) Survey by LIND Notes Blackbury Date 8-29-62 Map No. ____ Indexed B. J. GALL Date ____

F. B. 2812 PG. 112 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BE STUDIES (ZUMA) Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 1-62

76L-295 S & E #307—1-56

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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.	55+00	Inshore
T.P.	322	864		542		
					T @ 45+00	Sight @ 55+00
			+40	126	0° 00'	Center line
			+33	119	2° 32'	Lt of "
			00	36	4° 40'	" " "
			64	22	9° 28'	" " " "
			90	-04	10° 52'	" " " " Water
			101	-15	14° 59'	" " " " "
			140	-54	18° 40'	" " " " "
			166	-82	21° 45'	" " "
			185	-99	23° 50'	" "
T.P.			013	851		
T.P.	827	1676	464	1214		
TBM	905	2119	281	1838	TBM N. cor conc slab at Warren Lost Road	

Profile Notes Red. Plotted Job No. 0754.05 Division No. 11 F. B. 2812 PG. 113
No. X-Sec. Date Date Survey of Broad Excavation
No. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed E. J. GALL Date

F. B. 2812 Pg. 114 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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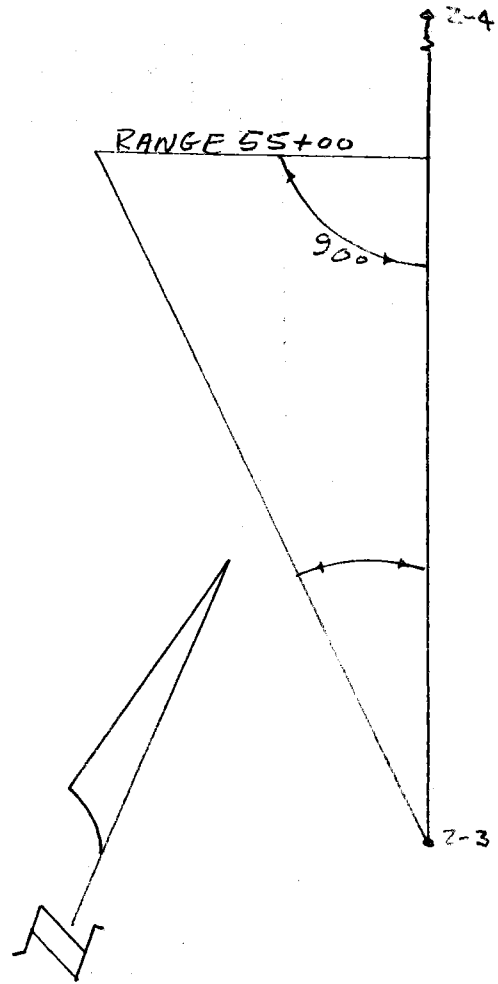
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
Z-3	Z-4	9:54	1	25	05			
			2	22	33			
			3	21	05			0550108
			4	19	15			
			5	17	07			
			6	15	00			0550110
			7	13	21			
			8	11	22			
			9	10	00			0550112
			10	09	20			
		9:56	11	08	30			
				00	00			0550114
				00	00			
				00	00			
				00	00			0550116



Profile Notes Red. Plotted Job No. 07524-05 Division No. 11 F. B. 28/42 Pg. 1/5

No. Date Date Survey of BE STUDIES (ZUMA)

X-Sec. Notes Chkd. Checked Survey by LIND Notes Hucker Date 8-29-62

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

F. B. 2812 PG. 116 Job No. 0764.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (ZUMA) Date _____ Date _____ No. _____

Survey by LIND Notes Huckaby 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					

76L-298 S & E #307—1.56

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	60+00		Washington
				1838	TBM N. Cor. conc slab at Women's Restroom		
TP	195	2033	901	1132			
TP	313	1445	721	724			
TP	333	1057					
					TP @ 55+00 [illegible]		
			+05	111	0°00'		Control line
			+04	110	4°49'	Lt. of	" "
			00	106	10°45'	" "	" "
			74	32	14°49'	" "	" " Water
			120	-14	29°29'	" "	" " "
			138	-32	32°33'	" "	" " "
			165	-59	36°16'	" "	" " "
			182	-76	38°33'	" "	" " "
					Ditch @ 53+24 center of		
			49	57	16°24'	Lt of	Control line
			25	81	8°45'	" "	" "
			20	86	0°00'		" "
			25	81	12°42'	Rt of	" "
TP			241	816			

Profile No. ~~Sec.~~ Date
Notes Rod. Date
Notes Chkd. Date
Plotted Date
Checked Date
Job No. 0754205
Survey of Bra[illegible] Exposition
Survey by [illegible] Date [illegible]
Division No. 11
Map No.
Notes [illegible]
Indexed C. J. GALLI Date
F. B. 2812 Pg. 112

F. B. 2812 Pg. 118 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.

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

Do not extend notes this side of this line.

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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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO
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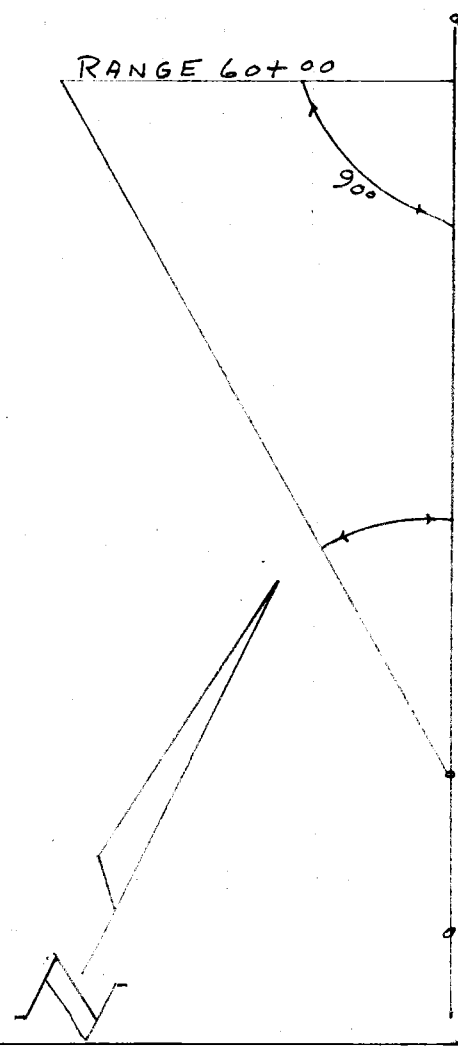
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
50+00	Z-4	6:30	1	47	05			
			2	46	00			
			3	44	40			0600108
			4	43	18			
			5	41	27			
			6	39	36			0600110
			7	37	32			
			8	35	40			
			9	33	33			0600112
			10	31	37			
			11	29	17			
			12	28	03			0600114
			13	26	12			
			14	23	50			
			15	21	50			0600116
			16	20	32			
		6:33	17	19	15			
				00	00			0600118
				00	00			
				00	00			
				00	00			0600120



Profile No. Notes Red. Plotted Job No. 0754.05 Division No. 11 F.B. 2812 PG. 119
X-Sec. No. Date Date Survey of BE. STUDIES (ZUMA) Date B-30-62
Notes Chkd. Checked Survey by Lind Noted Lusk
Date Date Map No. Indexed C. J. GALLI Date

F. B. 2812 PG. 120 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (ZUMA) Date _____ Date _____ No. _____

Survey by LIND Notes Huckaby 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.	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					

76L-298 S & E #307—1-56

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.	65+00	Inshore	
T.P.	273	10 89		811			
					T @ 60+00	Sight @ 65+00	
			+12	121	0° 00'	Control line	
			+11	120	4° 58'	Lt. of "	"
			+10	119	8° 08'	" " "	"
			82	27	18° 11'	" " "	" Water
			97	12	21° 55'	" " "	" "
			120	-11	27° 50'	" " "	" "
			146	-37	33° 32'	" " "	" "
			175	-66	37° 04'	" " "	" "
			185	-76	40° 53'	" " "	" "
T.P.			329	760			
T.P.	322	11 42	375	967			

Profile Notes Red. _____ Plotted _____ Job No. 0754 05 Division No. 11 F. B. 2812 PG. 121
No. _____ Date _____ Date _____ Survey of Beach Erosion
X-Sec. Notes Chkd. _____ Checked _____ Survey by F.E.S. Notes F.E.S. Date _____
No. _____ Date _____ Date _____ Map No. _____ Indexed C. J. GALLI Date _____

F. B. 2812 Pg. 122 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

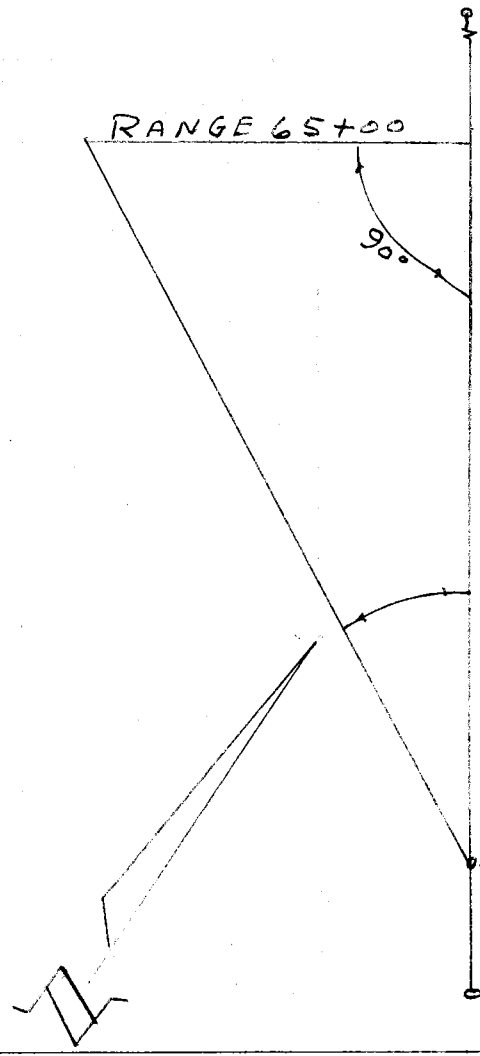
LOS ANGELES COUNTY SURVEYOR

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					
50+00	Z-4	6:41	1	31	45			
			2	29	55			
			3	28	25			0650108
			4	26	42			
			5	25	05			
			6	23	41			0650110
			7	21	45			
			8	19	45			
			9	18	00			0650112
			10	16	47			
			11	15	07			
			12	14	03			0650114
			13	12	45			
		6:44	14	12	02			
			15	00	00			0650116
			16	00	00			
			17	00	00			
				00	00			0650118



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2612 PG. 123

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of DE. STUDIES (ZONA) Survey by LIND Notes Hucker Date 8-30-64

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

F. B. 2812 PG. 124 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of BE STUDIES (ZUMA) Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

| | | |

76L-298 S & E #307—1-56

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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.	70 + 00 Foreshore				
T.P.	387	1154		767					
					TS 65+00 sight @ 70+00				
			11	104	0° 00	Initial line			
			10	105	4° 11'	H. of "	"	"	
			08	107	7° 20'	" "	"	"	
			66	49	15° 32'	" "	"	"	
			100	15	22° 07'	" "	"	"	Note
			122	-07	29° 43'	" "	"	"	"
			145	-30	33° 45'	" "	"	"	"
			170	-55	38° 08'	" "	"	"	"
			186	-71	41° 35'	" "	"	"	"
T.P.			330	824					

Profile Notes Red ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2812 Pg. 125
No. ____ X-Sec. Date ____ Date ____ Survey of Beach Erosion Notes F.B. Date 7-8-72
No. ____ Notes Chkd ____ Checked ____ Survey by ____ Map No. ____ Indexed G. J. GALLI Date ____
Date ____ Date ____

F. B. 2812 Pg. 126 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.

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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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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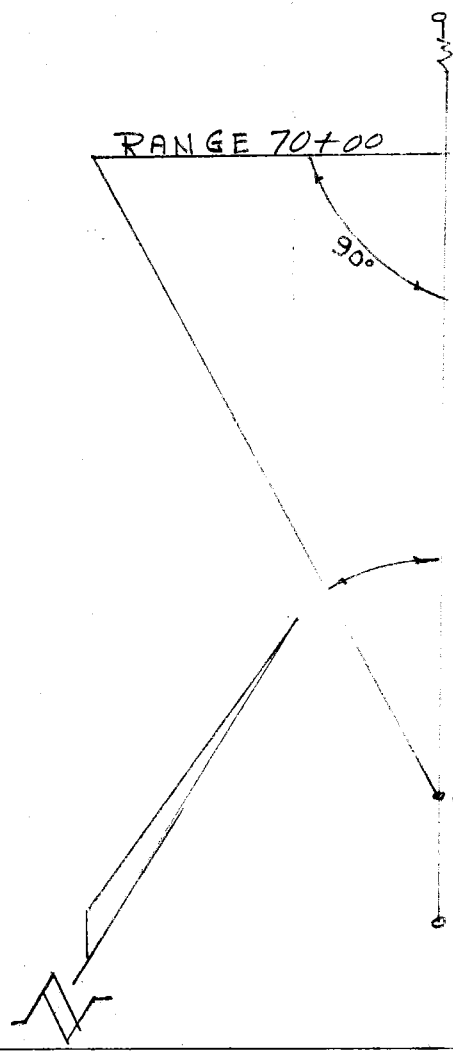
LOS ANGELES COUNTY SURVEYOR

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					
50+00	Z-4	6:52	1	26	47			
			2	25	07			
			3	23	05			0700107
			4	20	55			
			5	19	00			
			6	17	47			0700109
			7	16	18			
			8	15	00			
			9	13	40			0700111
			10	12	20			
			11	11	30			
			12	10	45			0700113
		6:54	13	10	05			
			14	00	00			
			15	00	00			0700115
				00	00			
				00	00			
				00	00			0700117



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0759 05 Division No. 11 F. B. 2012 Pg. 127

X-Sec. No. ____ Date ____ Date ____ Survey of LE STUDIES (ZUMA)

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ____ Notes ____ Date 8-30-62

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

F. B. 2812 PG. 128 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (LUMA) Date _____ Date _____ No. _____

Survey by LIND Notes Huckaby 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					

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	75+00	Inshore
T.P.	303	11 27		824		
					T @ 75+00 Sight @ 75+00	
			+27	140	0° 00'	Control line
			00	113	4° 05'	" "
			05	108	11° 54'	" " " "
			17	96	13° 50'	" " " "
			81	32	20° 50'	" " " " 1/2 tide
			95	18	24° 23'	" " " " "
			123	-10	31° 36'	" " " " "
			145	-32	35° 37'	" " " " "
			175	-62	40° 15'	" " " " "
			187	-74	43° 22'	" " " "
T.P.			391	736		

Profile Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 28/12 Pg. 129
No. ____ Date ____ Date ____ Survey of Beach Erosion Date 20 July 1956
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812a-130 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.

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

Do not extend notes this side of this line.

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76L-293 S & E #307—1-56

76L298 3D7 Cdb 1-62

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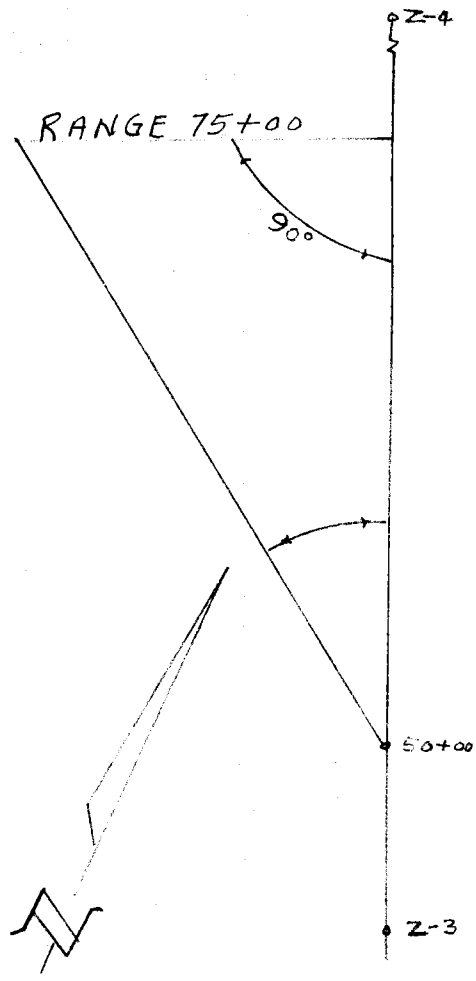
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
50+00	Z-4	7:03	1	20	00			
			2	18	00			
			3	16	35			0750108
			4	15	35			
			5	14	25			
			6	13	15			0750110
			7	12	00			
			8	11	05			
			9	10	22			0750112
			10	09	25			
		7:05	11	08	50			
			12	00	00			0750114
			13	00	00			
			14	00	00			
				00	00			0750116



Profile No. ____ Notes Red ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2112 PG. 131

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of H.E. STUDIES (ZUMA) Survey by KIND Notes Hucker Date 8-30-62 Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 PG. 132 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (LUMA) Date Date No.

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

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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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.

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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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.	80+00 Inshore			
T.P.	342	1078		736				
					TC @ 75+00		Sight @ 80+00	
			420	128	1° 59'	Lt of	Control	line
			01	107	8° 53'	" "	"	"
			00	108	13° 48'	" "	"	"
			16	92	16° 28'	" "	"	"
			68	40	22° 10'	" "	"	"
			86	22	25° 36'	" "	"	"
			110	-02	32° 32'	" "	"	"
			124	-16	35° 41'	" "	"	"
			140	-32	39° 30'	" "	"	"
			160	-52	41° 44'	" "	"	"
			184	-76	44° 30'	" "	"	"
T.P.			336	742				

Profile Notes Red_____ Plotted_____ Job No. 7554.05 Division No. 11
No. X-Sec. Date_____ Date_____ Survey of Rancho
No. Notes Chkd_____ Checked_____ Survey by FEB Notes FEB Date 10-24-61
Date_____ Date_____ Map No._____ Indexed C. J. GALLI Date_____

F. B. 2812 Pg. 133

F. B. 2812 Pg. 134 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.

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

Do not extend notes this side of this line.

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76L-298 S & E #307—1.56

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					
70+00	Z-4	7:21	1	44	25			
			2	42	15			
			3	39	50			0800108
			4	37	50			
			5	36	00			
			6	33	45			0800110
			7	32	25			
			8	30	40			
			9	29	41			0800112
			10	26	51			
			11	25	45			
			12	28	47			0800114
			13	27	40			
			14	25	50			
			15	24	40			0800116
			16	22	47			
		7:25	17	21	52			
				00	00			0800118
				00	00			
				00	00			
				00	00			0800120

Profile Notes Red ____ Plotted ____ Job No. 0754.05 Division No. 11 F.B. 2812 Pg. 135
No. ____ Date ____ Date ____ Survey of D.E. STUDIES (2 UMA)
X-Sec. Notes Chkd. ____ Checked ____ Survey by LINO Notes Checked Date 8-30-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 PG. 136 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (2 UMA) Date Date No.

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

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761299 307 Cdb 1-62

76L-298 S & E #307—1-56

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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.	85+00 Inshore				
T.P.	349	1091		742					
					TO @ 80+00		Sight @ 85+00		
			+21	130	0° 00'		Control line		
			+06	115	7° 07'	Lt of	"	"	
			08	101	12° 58'	" "	"	"	
			17	92	17° 29'	" "	"	"	
			72	37	23° 22'	" "	"	"	Water
			94	15	30° 30'	" "	"	"	"
			114	-05	35° 58'	" "	"	"	"
			132	-23	40° 18'	" "	"	"	"
			148	-39	42° 48'	" "	"	"	"
			170	-61	44° 44'	" "	"	"	"
			184	-75	47° 48'	" "	"	"	"
T.P.			378	713					
TP	382	1095	387	708					

Profile Notes Red ____ Plotted ____ Job No. 0754.05 Division No. ____
No. ____ Date ____ Date ____ Survey of ____
~~X-Sec.~~ Notes Chkd ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 PG. 137

F. B. 2812 Pg. 138 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.

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

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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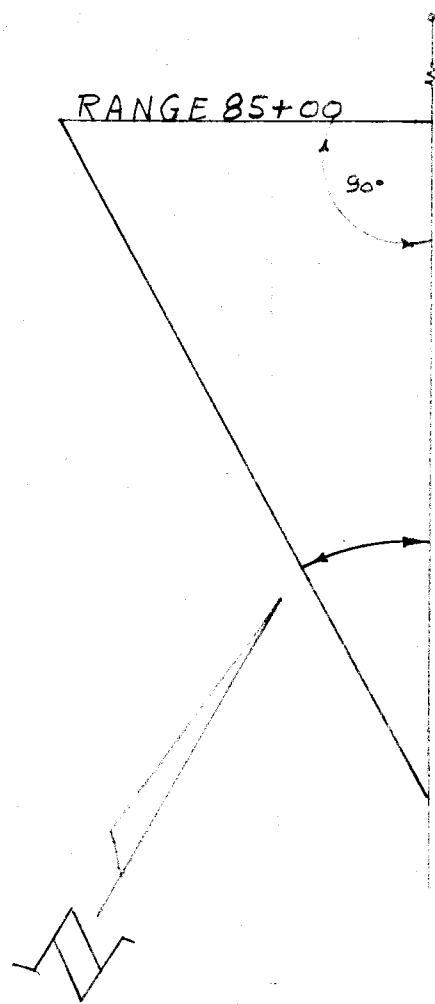
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
70+00	Z-4	7:35	1	35	00			
			2	33	05			
			3	31	07			0850108
			4	29	05			
			5	27	20			
			6	25	45			0850110
			7	24	03			
			8	22	15			
			9	21	27			0850112
			10	20	27			
			11	19	07			
		7:37	12	18	12			0850114
			13					
			14					
			15					



Profile Notes Red. Plotted Job No. 7547.05 Division No. 11 F. B. 2812 Pg. 139

No. Date Date Survey of B.E. STUDIES (ZUMA)

X-Sec. Notes Chkd. Checked Survey by Lind Notes Hucka Date 8-30-62

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

F. B. 2812 PG. 140 | Job No. 0754.05 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of BE. STUDIES ZUMA | Date | Date | No.

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

Indexed | Date | Date | Date | No.

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

Do not extend notes this side of this line.

76L298 307 Cdb 1-62

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76L-298 S & E #307—1-56

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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.	90+00 Inshore			
T.P.	453	1161		708				
					TA @ I-4 88+62.96 Sight @ 90+00			
			+27	143	0° 00'		Control line	
			00	116	190° 50'	Lt of	"	"
			18	98	39° 00'	" "	"	"
			24	92	46° 09'	" "	"	"
			38	73	52° 11'	" "	"	"
			71	45	58° 26'	" "	"	" Water
			96	20	65° 25'	" "	"	" "
			113	03	69° 38'	" "	"	" "
			140	-24	72° 33'	" "	"	" "
			154	-38	74° 16'	" "	"	" "
			172	-56	76° 43'	" "	"	" "
			184	-68	76° 04'	" "	"	" "
			428	733				

Profile Notes Red ____ Plotted ____ Job No. 0154.05 Division No. 11 F. B. 2812 PG. 141
No. ____ Date ____ Date ____ Survey of ____
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 142 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.

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

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700 Los Angeles County Engineering Bldg.

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76L-298 S & E #907—1-56

76L298 307 Cdb 1-62

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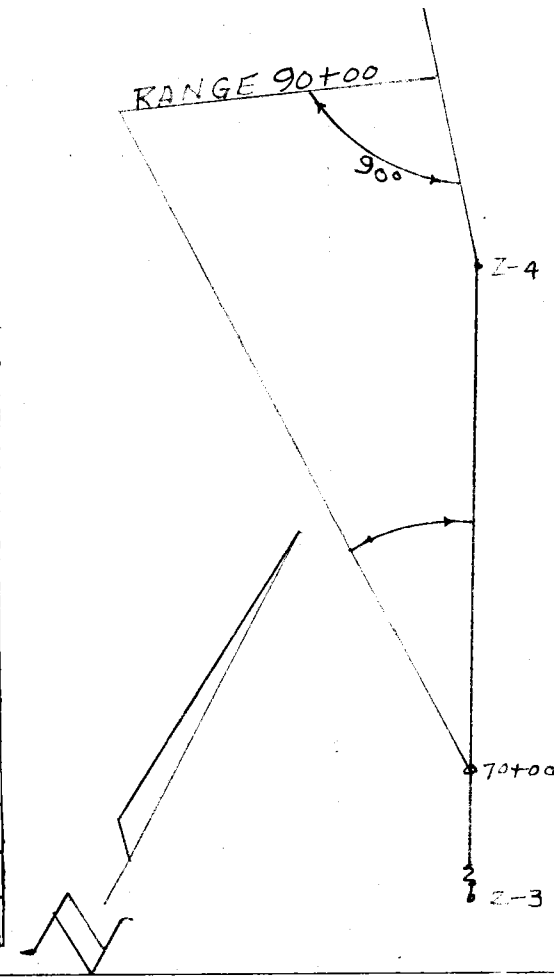
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
70+00	Z-4	7.52	1	27	45			
			2	26	05			
			3	24	07			0900110
			4	22	00			
			5	20	32			
			6	19	00			0900112
			7	17	40			
			8	16	30			
			9	15	45			0900114
			10	14	50			
		7:54	11	14	30			
			12	00	00			0900116
			13	00	00			
			14	00	00			
				00	00			0900118



Profile Notes Red. _____ Plotted _____ Job No. 07547.05 Division No. 11 F. B. 2812 Pg. 143

No. _____ Date _____ Date _____ Survey of B.E. STUDIES (ZUMA)

X-Sec. Notes Chkd. _____ Checked _____ Survey by LINR Notes Checked Date 8-30-62

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

F. B. 2812 Pg. 144 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of RE. STUDIES (ZUMA) Date _____ Date _____ No. _____

Survey by LIND Notes HUCKABY 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.	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					

Do not extend notes this side of this line.

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726 Los Angeles County Engineering Bldg.

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76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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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.	95+00	Inshore
T.P.	3.47	10.80		7.33		
					T @ 90+00 sight @ 95+00	
			+10	11.3	0° 00'	Control line
			12	10.6	5° 52'	" "
			17	9.1	16° 27'	" " " "
			76	3.2	26° 16'	" " " " " "
			88	2.0	30° 46'	" " " " "
			112	-0.7	36° 30'	" " " " "
			128	-2.0	42° 01'	" " " "
			140	-5.2	44° 35'	" " " "
			183	-7.5	47° 43	" " " "
T.P.			3.93	6.87		

Profile Notes Red_____ Plotted_____ Job No. 0754.05 Division No. 11 F. B. 2012 PG. 145
No. X-Sec. Date_____ Date_____ Survey of Beach & Ferry Road
No. Notes Chkd. Checked_____ Survey by [illegible] Notes [illegible] Date [illegible]
No. Date_____ Date_____ Map No._____ Indexed C. J. GALLI Date_____

F. B. 2812 PG. 146 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.

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

Do not extend notes this side of this line.

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.

78L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

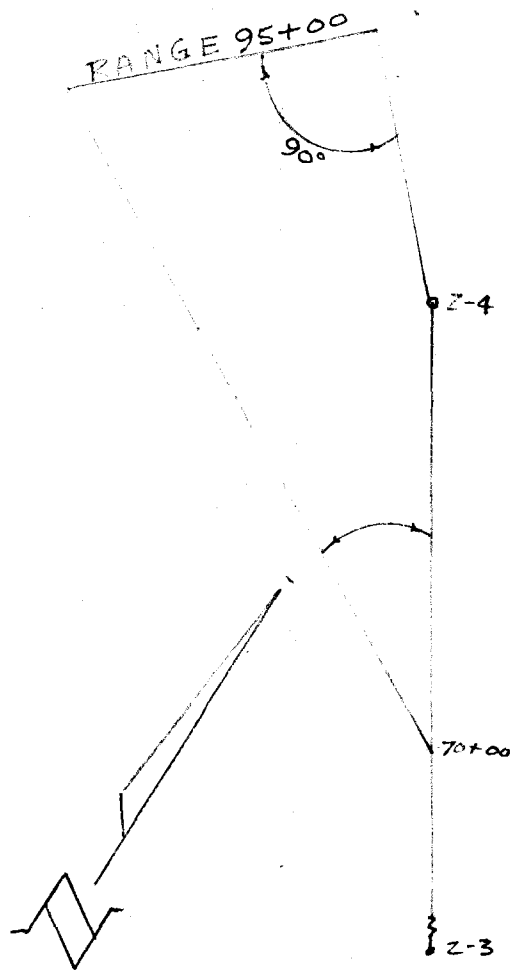
LOS ANGELES COUNTY SURVEYOR

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.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
70+00	Z-4	8:13	1	24	00				
			2	22	15				
			3	20	32				0950110
			4	18	52				
			5	17	10				
			6	16	05				0950112
			7	14	50				
			8	13	55				
			9	12	30				0950114
			10	11	37				
		3:15	11	11	10				
			12	00	00				0950116
			13	00	00				
				00	00				
				00	00				0950118
				90	00				
				00	00				
				00	00				0950120
				00	00				
				00	00				
				00	00				0950122



Profile

Notes Red. _____ Plotted _____ Job No. 254-05 Division No. 11 F. B. 2812 Pg. 147

No. _____ Date _____ Date _____ Survey of B.E. STUDIES (ZUMA)

X-Sec. Notes Chkd. _____ Checked _____ Survey by LIND Notes Hickey Date 8-30-62

No. _____ Date _____ Date _____ Map No. _____ Indexed C. J. GATH Date _____

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. 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					
				01	42			
				12	09			
				15	31			1000008
				21	55			
				29	00			
				33	57			1000010
				44	12			
				46	50			
				47	38			1000012
				00	00			
				00	00			
				00	00			1000014
				90	00			
				00	00			
				00	00			1000016
				00	00			
				00	00			
				00	00			1000018

F. B. 2812 Pg. 148 Job No. 0754.05 Division No. 11 (ZUMA) Notes Red. Plotted Date Profile No.
Survey of B.E. STUDIES Date X-Sec. No.
Survey by LINR Notes HUCKABY Notes Chkd. Checked Date
Indexed Date

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	S. S.	H. I.	F. S.	ELEV.	100 +00	Inshore
T.P.	388	1075		687		
					At @ 95+00	Sight @ 100+00
			+12	120	0° 30'	Control line
			00	108	7° 42'	4 of " "
			05	103	12° 09'	" " " "
			21	87	15° 31'	" "
			66	42	21° 55'	" " " Water
			84	24	29° 00'	" " " " "
			100	08	33° 57'	" " " " "
			146	-38	44° 12'	" " " " "
			165	-57	46° 50'	" " " " "
			185	-77	47° 38	" " " " "
T.P.			349	726		

Profile Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. ____ F. B. 2812 PG. 149
No. X-Sec. Date ____ Date ____ Survey of ____
No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

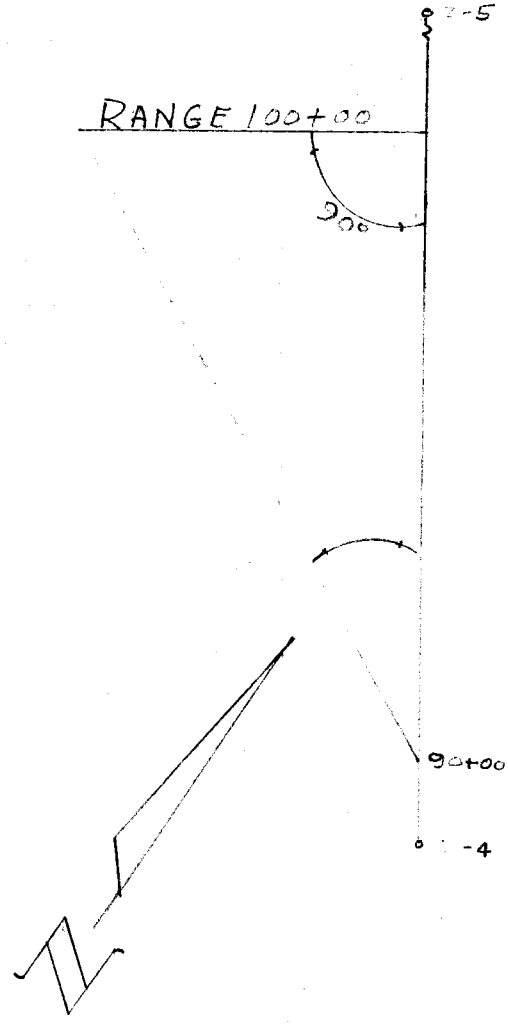
76L298 307 Cdb 1-62

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 LINE DEG.	RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
90+00	Z-5	8:30	1	43	25			
			2	41	00			
			3	39	15			1000108
			4	37	40			
			5	33	30			
			6	31	12			1000110
			7	28	40			
			8	26	30			
		8:31	9	25	30			1000112
				00	00			
				00	00			
				00	00			1000114



Profile
No. Date
X-Sec.
No. Date

Notes Red. Plotted Job No. 075405 Division No. 11 F. B. 2812 Pg. 151
Notes Chkd. Checked Survey of B.F. STUDIES (ZUMA)
Survey by LIND Notes Checked Date 8-30-62
Map No. Indexed C. J. GALL Date

Date

F. B. 2812 PG. 152 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of BE STUDIES (ZUMA) Date Date No.

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

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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

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

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	105+00	Inshore
T.P.	303	1079		726		
					T @ 100+00	Sight @ 105+00
			03	105	0° 00'	Control line
			11	97	8° 11'	Lt of " "
			10	98	12° 30'	" " " "
			72	36	22° 10'	" " " " "
			95	23	27° 16'	" " " " "
			101	07	33° 30'	" " " " "
			124	-16	39° 43'	" " " " "
			144	-36	42° 25'	" " " " "
			184	-76	47° 01'	" " " " "
T.P.			379	700		

Profile Notes Red. _____ Date _____ Plotted _____ Date _____ Job No. 0754.05 Division No. _____ F. B. 2812 PG. 153

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

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

F. B. 2812 Pg. 154 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

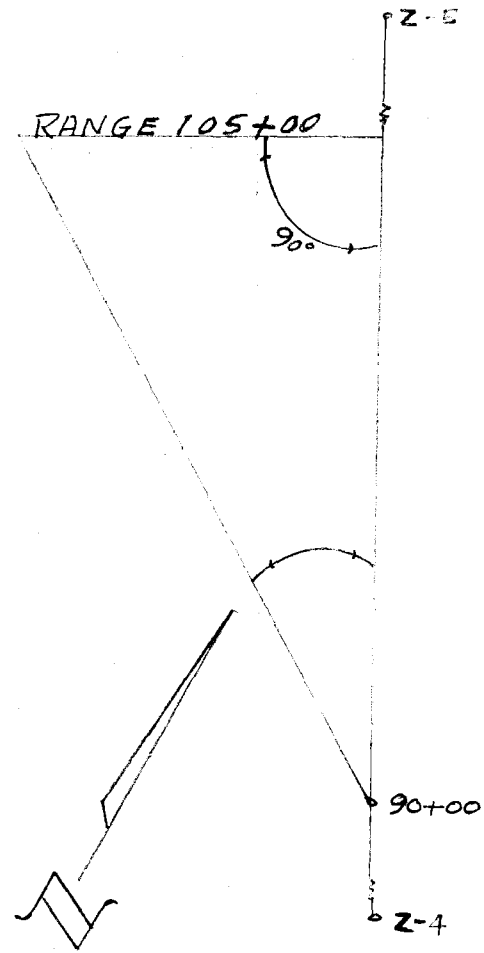
76L298 307 Cdb 1-62

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.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
90+00	Z-5	8:42	1	30	05				
			2	28	35				
			3	27	00				1050108
			4	25	20				
			5	23	44				
			6	22	30				1050110
			7	21	12				
			8	20	12				
			9	18	47				1050112
			10	17	50				
			11	16	40				
		8:44	12	16	12				1050114
				00	00				
				00	00				
				00	00				1050116
				90	00				
				00	00				
				00	00				1050118
				00	00				
				00	00				
				00	00				1050120



Profile Notes Red ____ Plotted ____ Job No. 754-05 Division No. 11 F. B. 2912 Pg. 155
X-Sec. Notes Chkd. ____ Checked ____ Survey of BF STUDIES (ZUMA)
No. ____ Date ____ Date ____ Survey by LIND Notes HUKKABY Date 8-30-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 PG. 156 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES ZUMA Date Date No.

Survey by LIND Notes HUCKABY 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 Deg.	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.

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. B.	ELEV.	110 +00 Inshore	
T.P.	341	1041		700		
					TO 105+00 Sight @ 110+00	
			+06	110	0° 00'	Control line
			02	102	3° 11' Lt of	"
			00	104	9° 02' " "	"
			14	90	11° 45' " "	"
			32	42	18° 13' " "	"
			80	24	24° 33' " "	" Water
			92	12	29° 24' " "	"
			114	-10	36° 00' " "	"
			130	-26	41° 10' " "	"
			150	-46	43° 41' " "	"
			166	-64	44° 50' " "	"
			184	-80	46° 17' " "	"
T.P.			370	671		
T.P.	325	996	307	689		

Profile Notes Red. Plotted Job No. 0754-05 Division No. F. B. 2812 Pg. 157
No. X-Sec. Date Date Survey of Date
No. Notes Chkd. Checked Survey by L. E. B. Notes Date
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 2812 Pg. 158 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.

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

76L-298 S & E #307—1-56

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

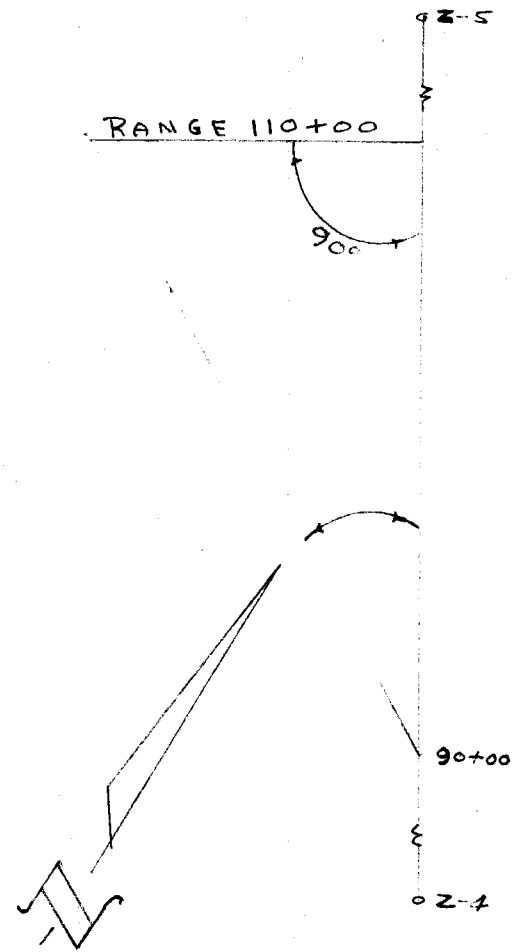
76L298 307 Cdb 1-62

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.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
90+00	Z-5	8:56	1	24	15			
			2	22	50			
			3	21	05			1100008
			4	19	40			
			5	18	17			
			6	17	08			1100010
			7	15	50			
			8	14	45			
			9	13	50			1100012
		8:58	10	13	17			
			11	00	00			
			12	00	00			1100014
				00	00			
				00	00			
				00	00			1100016
				90	00			
				00	00			
				00	00			1100018
				00	00			
				00	00			
				00	00			1100020



Profile
Notes Red. Plotted Job No. 0759-05 Division No. 11 F. B. 2812 Pg. 159
No. Date Date Survey of B.E. STUDIES (ZUMA)
X-Sec. Notes Chkd. Checked Survey by CK, LNP Notes LNP Date 8-30-62
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 2812 PG. 160 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E STUDIES (ZUMA) Date Date No.

Survey by C.K. LIND Notes HUCKABY Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	115 +00 Inshore
T.P.	2.54	9.43		6.89	
					T @ 110+00 Sight @ 115+00
			+10	10.4	0° 00' Control " "
			+15	10.9	7° 16' Lt of " "
			00	9.4	9° 18' " " " "
			66	2.8	20° 13' " " " " Note
			80	1.4	27° 05' " " " " "
			90	0.4	32° 29' " " " " "
			105	-1.1	39° 15' " " " " "
			168	-7.4	45° 12' " " " " "
			184	-9.0	48° 15 " " " " "
T.P.			1.82	7.61	
T.P.	7.69	15.30			
Z-4B			5.04	10.26	Z-4B Elev. 10.219 F.B. 2100-191

Profile No. X-Sec. No.
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Job No. 0754-05
Survey of
Survey by
Map No.
Division No.
Notes J. GALLI
Indexed
Date
Date
F. B. 2812 Pg. 161

F. B. 2812 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.

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

76L-298 S & E #307—1-56

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

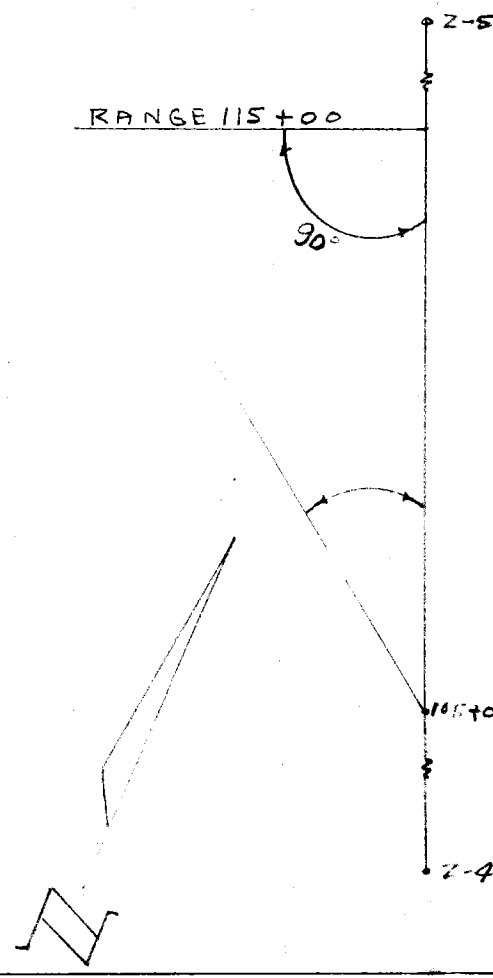
76L298 307 Cdb 1-62

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
105+00	Z-5	9:12	1	40	12			
			2	38	05			
			3	35	50			1150108
			4	33	40			
			5	31	15			
			6	29	04			1150110
			7	27	40			
			8	26	15			
			9	24	47			1150112
			10	23	55			
		9:14	11	22	40			
				00	00			1150114
				00	00			
				00	00			
				00	00			1150116
				90	00			
				00	00			
				00	00			1150118
				00	00			
				00	00			
				00	00			1150120



Profile
No.
X-Sec.
No.

Notes Red. Date
Notes Chkd. Date
Date

Plotted Date
Checked Date

Job No. 0754-05 Division No. 11
Survey of BE STUDIES (ZUMA)
Survey by CK Lind Notes Lind Date 8-30-62
Map No. Indexed C. J. GALL Date

F. B. 2912 PG. 163

F. B. 2812 PG. 164 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES LUMA Date _____ Date _____ No. _____

Survey by C.K. LIND Notes HUCKABY Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	120+00	Inshore
Z-4B				10 21	Z 43	Elev. 10.216 FB 2100-191
T.P.	854	13 75	377	14 98		
T.P.	266	17 64	11 50	6 14		
T.P.	419	10 33				
					T.@ 115+00	sight @ 124+
			+36	139	0° 00'	Control line
			+21	124	0° 52'	Lt. of " " "
			+14	117	4° 47'	" " " "
			00	103	6° 32'	" " " "
			47	56	10° 57'	" " " "
			73	30	16° 36'	" " " " Water
			90	13	22° 53'	" " " "
			112	-09	33° 14'	" " " "
			124	-21	36° 16'	" " " "
			160	-57	41° 05'	" " " "
			184	-81	44° 51'	" " " "
T.P.			336	699		

Profile Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2012 Pg. 165
No. X-Sec. ____ Date ____ Date ____ Survey of Beach Erosion Date 2-19-
No. ____ Notes Chkd. ____ Checked ____ Survey by FEK Notes FK Date
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 PG. 166 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.

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

700 LOS ANGELES COUNTY ENGINEERING BLDG.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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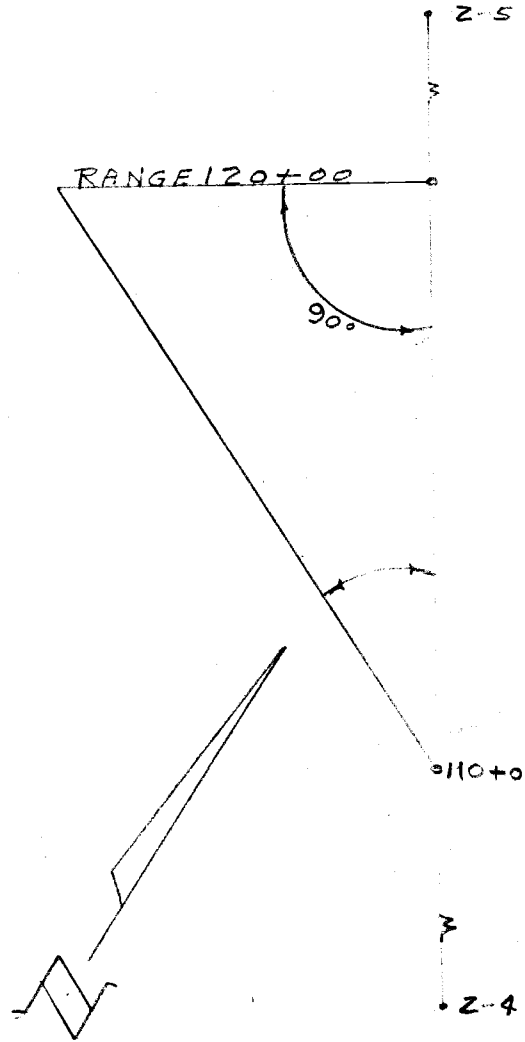
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
110+00	Z-5	6:18	1	46	18			
			2	44	17			
			3	42	17			1200108
			4	40	20			
			5	38	25			
			6	36	52			1200110
			7	35	05			
			8	33	10			
			9	31	17			1200112
			10	29	23			
			11	27	40			
			12	25	44			1200114
		6:20	13	24	12			
			14	00	00			
				00	00			1200116
				00	00			
				00	00			
				00	00			1200118



Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 0754-05 Division No. 11 F. B. 20/12 PG. 16/7
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of B.F. STUDIES (ZUMA)
Survey by C.K. LINDSTROM Notes Hucker Date 8-31-62
Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 PG. 168 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (2 UMA) Date Date No.

Survey by C.K. Lind Notes Huckaby 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					

76L-298 S & E #307—1-56

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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.	125+00	Inshore
T.P.	3 32	1029		697		
					T.P. Z 4B	Sight @ 125+00
			+17	120	0° 00'	Control line
			+07	113	3°52'	Lt of " "
			00	103	5°09'	" " " "
			58	45	11°45'	" " " "
			78	25	16°55'	" " " " Water
			88	15	21°21'	" " " " "
			98	05	25°17'	" " " " "
			114	-11	32°15'	" " " " "
			126	-23	34°33'	" " " " "
			168	-65	41°50'	" " " " "
			185	-82	43°28'	" " " " "
T.P.			317	712		
T.P.	3 68	1080	400	680		

Profile Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2812 Pg. 169
No. X-Sec. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by EEJ Notes ____ Date ____
No. ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 170 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.

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

Do not extend notes this side of this line.

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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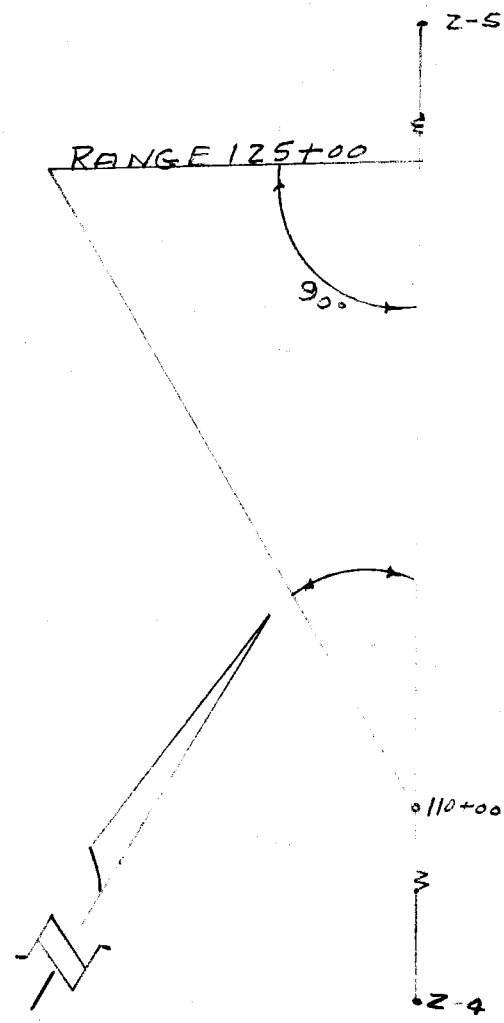
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
110+00	Z-5	6:32	1	35	45			
			2	34	00			
			3	32	17			1250108
			4	30	50			
			5	29	22			
			6	28	05			1250110
			7	26	47			
			8	25	25			
			9	24	07			1250112
			10	22	55			
			11	21	27			
			12	20	00			1250114
			13	18	25			
			14	17	15			
			15	15	50			1250116
			16	15	00			
		6:34	17	13	55			
				00	00			1250118
				00	00			
				00	00			
				00	00			1250120



Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0759.05 Division No. 11 F.B. 2812 Pg. 171
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of DEL STUD DIES (Z UNIT A)
Survey by C.H.L. INC. Notes Hurtsky Date 8-31-62
Date ____ Map No. ____ Indexed G. J. GALL Date ____

F. B. 2812 PG. 172 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (ZUMA) Date _____ Date _____ No. _____

Survey by C.K. LIND Notes HUCKABY 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.

761.298 307 Cdb 1-62

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76L-298 S & E #307—1-56

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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.		
					130+00	Pushore
	305	985		680		
					Tie 125+00	Sight @ 307+0
			+30	129	8°42'	Rt of Control line
			05	94	2°48'	" " " "
			+05	104	0°00'	" "
			+16	115	4°00'	Lt of " "
			00	99	6°25'	" " " "
			50	49	10°33'	" " " "
			72	27	16°00'	" " " " Water
			84	15	22°15'	" " " " "
			103	-04	29°48'	" " " " "
			124	-25	36°12'	" " " "
			150	-51	41°38'	" " " "
			185	-86	46°15'	" " " " "
T.P.			312	673		

Profile Notes Red. Plotted Job No. 0759.05 Division No. 1
No. X-Sec. Date Date Survey of Beach Erosion Study
Notes Chkd. Checked Survey by F.C.H. Notes F.B. 28/2 Pg. 173
No. Date Date Map No. Indexed C. L. GAUM Date Date 3-1-1966

F. B. 2812 Pg. 174 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.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

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75L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

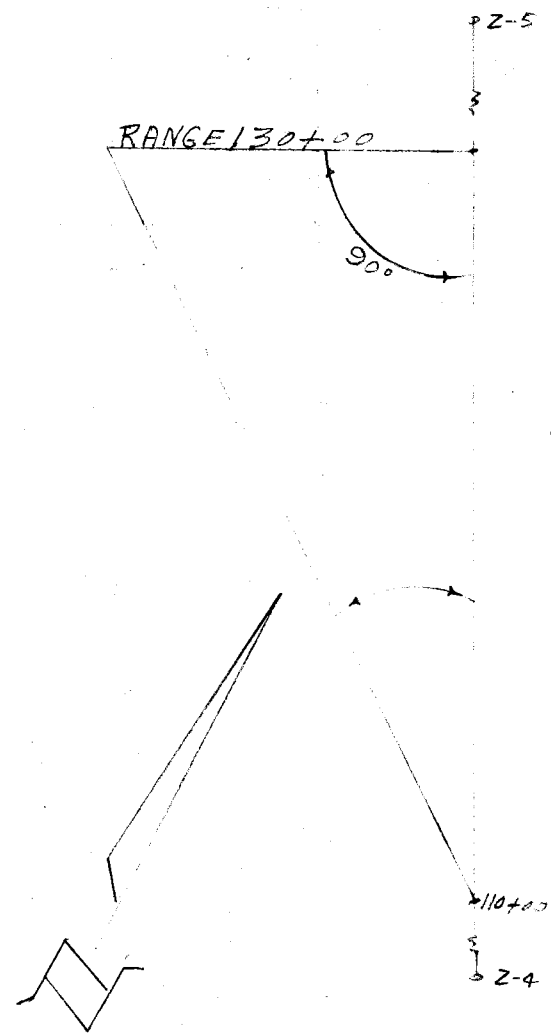
LOS ANGELES COUNTY SURVEYOR

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.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
110+00	Z-5	6:44	1	26	55			
			2	25	27			
			3	23	55			1300108
			4	22	22			
			5	21	03			
			6	20	15			1300110
			7	19	20			
			8	18	18			
			9	17	27			1300112
			10	16	16			
			11	15	16			
			12	14	05			1300114
			13	13	05			
			14	12	28			
		6:47	15	11	40			1300116
				00	00			
				00	00			
				00	00			1300118
				90	00			
				00	00			
				00	00			1300120



Profile No.____ Date____ Notes Red____ Plotted____ Job No. 0754.05 Division No. 11 F.B. 2912 PG. 175

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of B.E. STUDIES (ZUMA) Survey by C.K. LING Notes Huckaby Date 8-31-62 Map No.____ Indexed C. J. GALL Date____

F. B. 2812 PG. 176 Job No. 0754-05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (ZUMA) Date _____ Date _____ No. _____

Survey by C.K. LINO Notes Huckaby Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO

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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.

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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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.	135 +00	Inshore
	3 05	9 78		6 73		
					A @ 130 +00	sight @ 135+00
			+32	130	6°26' Rt of Control line	
			+04	102	1°12' " " "	"
			+0.7	105	0°00' "	"
			+1.9	117	4°29' Lt of "	"
			+1.0	108	5°41' " " "	"
			5.2	46	11°09' " " "	" Water
			7.1	27	16°30' " " "	" "
			8.8	10	26°27' " " "	" "
			10.4	-06	32°56' " " "	" "
			110	-12	38°04' " " "	" "
			128	-30	42°15' " " "	" "
			180	-92	45°01' " " "	" "
						"
TP.			250	726		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 2754-05 Division No. 11 F. B. 2812 Pg. 177
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Date ____ Checked ____ Survey by F.T.B. Notes F.T.B. Date 31 Aug 1956
Map No. ____ Date ____ Indexed C. I. GALL Date ____

F. B. 2812 Pg. 178 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.

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

Do not extend notes this side of this line.

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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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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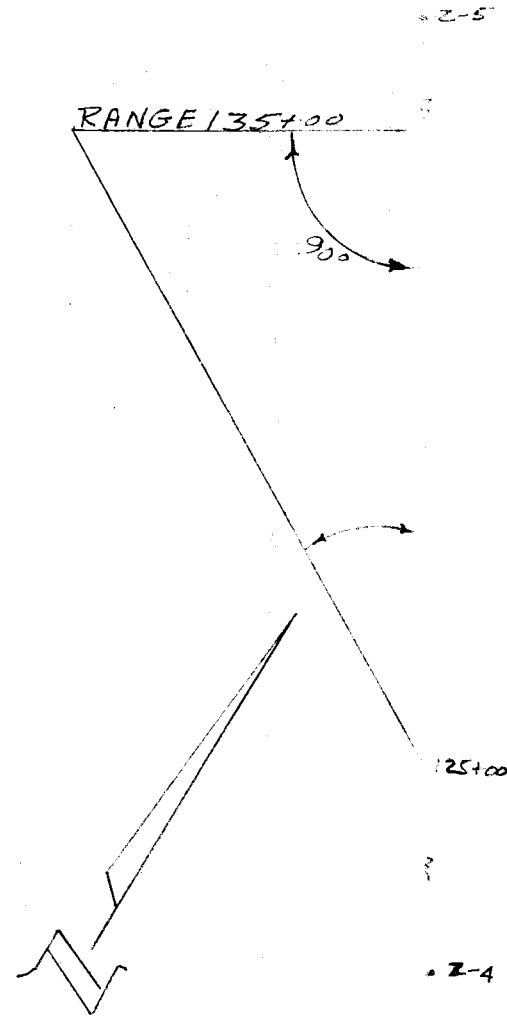
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
125+00	Z-5	6:57	1	44	33				
			2	43	15				
			3	41	40				1350108
			4	40	12				
			5	38	40				
			6	37	16				1350110
			7	35	25				
			8	33	35				
			9	32	25				1350112
			10	30	35				
			11	29	13				
			12	28	12				1350114
			13	26	30				
			14	25	18				
			15	24	25				1350116
			16	23	00				
		6:59	17	21	32				
				00	00				1350118
				00	00				
				00	00				
				00	00				1350120



Profile Notes Red. Plotted Job No. 2754.05 Division No. 11 F. B. 2812 Pg. 179
No. Date Date Survey of BE STUDIES ZUMA
X-Sec. Notes Chkd. Checked Survey by C.K. LINO Notes Hutchins Date 8-31-62
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 2812 PG. 180 | Job No. 0754.05 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of RE STUDIES (ZUMA) | Date | Date | No.

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

Indexed | Date | Date | Date | No.

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

Do not extend notes this side of this line.

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76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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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	S. S.	H. I.	F. S.	ELEV.	140+00	Inshore
T.P.	302	10 30		7 28		
					TC @ 135+00	Sight @ 140+00
			+23	12 6	4°45' Rt of	Control line
			+05	10 8	0°00'	" "
			+14	11 7	6°23' Lt of	" "
			+10	11 3	7°26' " "	" "
			52	5 1	12°18' " "	" "
			76	2 7	18°28' " "	" " Visual
			95	0 8	28°07' " "	" " "
			116	-1 3	36°41' " "	" " "
			164	-6 1	43°50' " "	" " "
			184	-8 1	48°25' " "	" " "
T.P.			321	7 09		

Profile No. ____ Notes Rod. ____ Plotted ____ Job No. 0754.05 Division No. ____ F. B. 2812 Pg. 181
X-Sec. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by FEB Notes FEB Date 31 Aug 86
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 Pg. 182 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.

STATION	S. 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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78L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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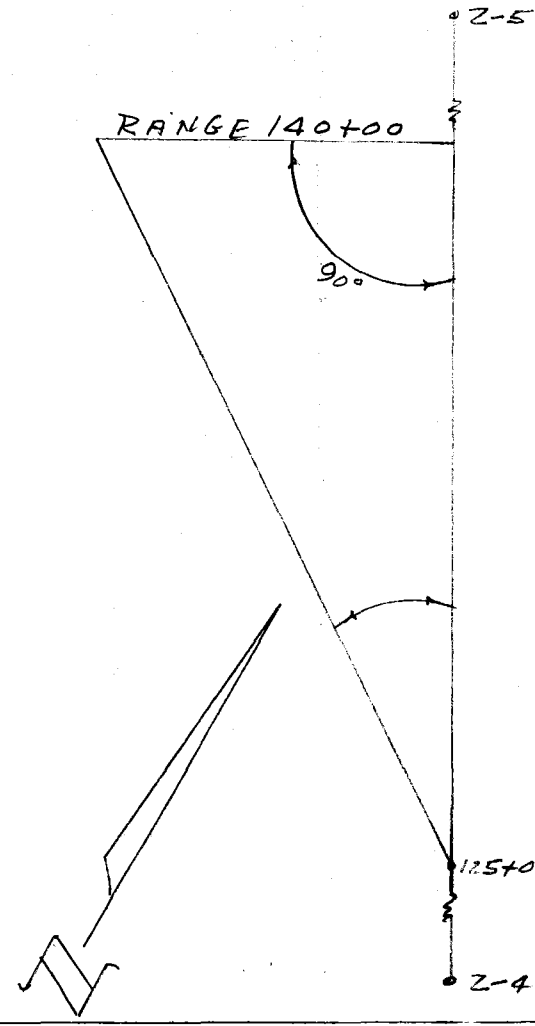
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
125+00	Z-4	7:10	1	31	32			
			2	29	53			
			3	28	05			1400108
			4	26	33			
			5	24	40			
			6	23	14			1400110
			7	21	40			
			8	20	42			
			9	19	35			1400112
			10	18	30			
			11	17	10			
			12	16	14			1400114
		7:12	13	15	32			
			14	00	00			
			15	00	00			1400116
				00	00			
				00	00			
				00	00			1400118



Profile

Notes Red. Plotted Job No. 07594.05 Division No. 11 F. B. 2812 PG. 163

No. Date Date Survey of BE STREETS (ZUMA)

X-Sec. Notes Chkd. Checked Survey by CK LIND Notes Hutsby Date 9-31-67

No. Date Date Map No. Indexed G. J. GALL Date

F. B. 2812 PG. 184 Job No. 075405 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (2 UMA) Date _____ Date _____ No. _____

Survey by C.K. LIND Notes Huckaby Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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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

76L-298 S & E #307—1-56

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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.	144+30	Inshore
		11 44			Center of Trancas Creek	
					T @ 140+00 Sight @ 145+00	
			42	72	16°09' Rt of Control line	
			37	77	13°00' " "	"
			36	78	0°00'	" "
			00	114	11°34' Lt of	" "
			33	81	13°36' " "	" "
			57	57	16°21' " "	" "

Profile Notes Rod ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2812 Pg. 185
No. ____ Date ____ Date ____ Survey of Pacific Electric Railway
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 8-31-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 186 | 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.

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

Do not extend notes this side of this line.

76L-298 S & E #307—1-56

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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.

76L-298 S & E #307—1-56

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	145+00 Pashaw
T.P.	435	11 44		709	
					To 140+00 Sight @ 145+00
			27	37	0°00' Control line
			34	30	1°16' Lt. of " "
			41	93	3°26' "
			35	79	6°20' "
			00	114	10°39' " " " "
			62	52	15°23' " " " " "
			90	24	21°17' " " " "
			104	10	27°30' " " " " "
			110	04	31°40' " " " " "
			126	-12	36°22' " " " " "
			135	-21	40°00' " " " " "
			166	-52	44°41' " " " " "
			180	-66	45°00' " " " " "
T.P.			306	836	

Profile No. X-Sec. No.
Notes Red. Date Notes Chkd. Date
Plotted Date Checked Date
Job No. 075405 Survey of Beach Erosion
Division No. 11 Survey by FKB Notes FKB Date 7/14/62
Map No. Indexed C. J. GALL Date
F. B. 2812 Pg. 112

F. B. 2812 Pg. 188 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.

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

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-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

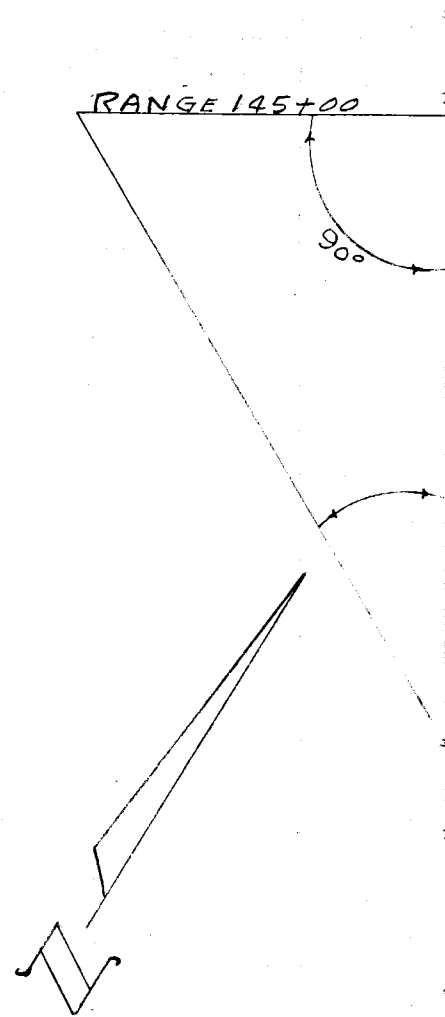
LOS ANGELES COUNTY SURVEYOR

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.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
125+00	Z-5	7:25	1	29	20			
			2	27	17			
			3	25	33			1450108
			4	24	07			
			5	22	32			
			6	21	10			1450110
			7	19	20			
			8	17	45			
			9	15	12			1450112
			10	14	47			
			11	13	15			
			12	11	46			1450114
			13	11	12			
		7:27	14	10	17			
			15	00	00			1450116
				00	00			
				00	00			
				00	00			1450118



Profile Notes Red. Plotted Job No. 0754.05 Division No. 11 F. B. 2812 Pg. 189

No. Date Date Survey of BE. STUDIES (ZUMA)

X-Sec. Notes Chkd. Checked Survey by CKL/WD Notes Date 8-31-62

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

F. B. 2812 PG. 190 | Job No. 0754.05 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of B.E. STUDIES (ZUMA) | Date | Date | No.

Survey by CK Lino | Notes Huckaby | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

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

Do not extend notes this side of this line.

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

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

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	150 +00	Inshore			
T.P.	236	1074		838					
					PI @ 145 +49.2	Sight @ 150+00			
			03	104	0° 00'	Control line			
			00	107	7° 14'	Lt. of	"	"	
			+24	131	9° 07'	" "	"	"	
			+17	124	15° 12'	" "	"	"	
			+08	115	16° 15'	" "	"	"	
			65	42	22° 54'	" "	"	"	Nay
			87	20	29° 48'	" "	"	"	"
			110	-03	38° 05'	" "	"	"	"
			126	-19	44° 15'	" "	"	"	"
			160	-53	50° 17'	" "	"	"	"
			185	-78	52° 55'	" "	"	"	"
T.P.			236	838					

Profile Notes Red. _____ Plotted _____ Job No. 07574.05 Division No. 11 F. B. 2812 Pg. 191
No. X-Sec. Date _____ Date _____ Survey of Beach Erosion
No. _____ Notes Chkd. _____ Checked _____ Survey by F.H.H. Notes F.H.H. Date 7-11-4
Date _____ Date _____ Map No. _____ Indexed C. J. GALL Date _____

F. B. 2812 Pg. 192 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

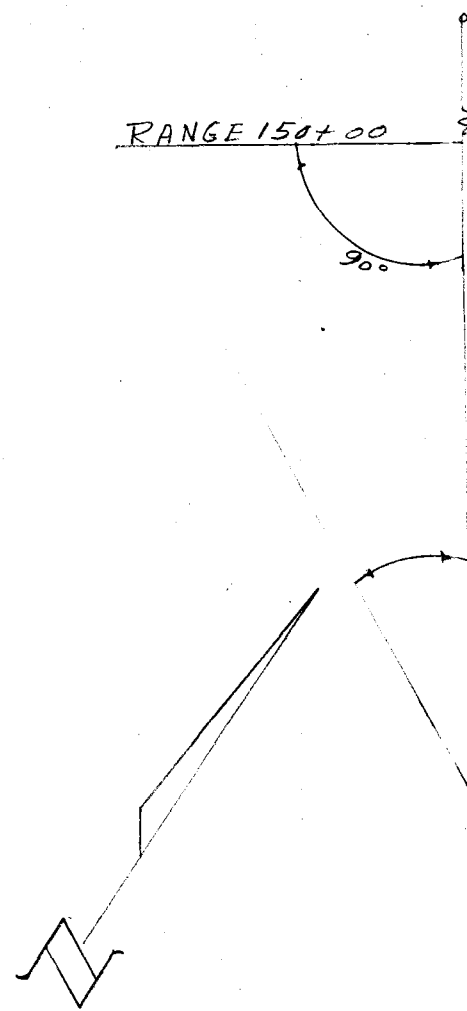
76L298 307 Cdb 1-62

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
140+00	Z-5	7:41	1	49	05			
			2	47	30			
			3	45	32			1500123
			4	43	30			
			5	41	16			
			6	39	30			1500120
			7	37	22			
			8	35	52			
			9	34	02			1500119
			10	32	22			
			11	30	50			
			12	28	50			1500117
			13	27	30			
			14	26	30			
			15	26	33			1500115
			16	24	47			
		7:44	17	23	15			
				00	00			1500118
				00	00			
				00	00			
				00	00			1500120



Profile Notes Red. Plotted Job No. 2759.05 Division No. 11 F. B. 2112 Pg. 193
No. Date Date Survey of BE STUDIES (2 UMA)
X-Sec. Notes Chkd. Checked Survey by C.K. LINE Notes Date 8-31-62
No. Date Date Map No. Indexed G. J. GALL Date

F. B. 2812 PG. 194 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of BE. STUDIES (ZUMA) Date Date No.

Survey by LIND Notes Huckaby 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.

761.298 307 Cdb 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	155+00	Inshore
T.P.	2 80	11 18		8 38		
					T.P. @ 2-5 100' offset W'ly Sig.	
					@ 160+00 100' offset W'ly	
			+10	12 2	11°31' Rt. of 100' offset line	
			122	13 4	5°28' " " " " "	
			+20	13 2	0°25' " " " " "	
			00	11 2	1°26' Lt " " " " "	
			77	3 5	8°12' " " " " "	Water
			90	2 2	13°25' " " " " "	"
			103	09	20°11' " " " " "	"
			112	00	23°12' " " " " "	"
			135	-23	29°43' " " " " "	"
			150	-38	32°52' " " " " "	"
			165	-53	35°43' " " " " "	"
			182	-70	37°38' " " " " "	"
T.P.			307	8 11		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2843 Pg. 185
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion FTP Date 3/1/56
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____
Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 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.

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

Do not extend notes this side of this line.

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.

76L-208 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

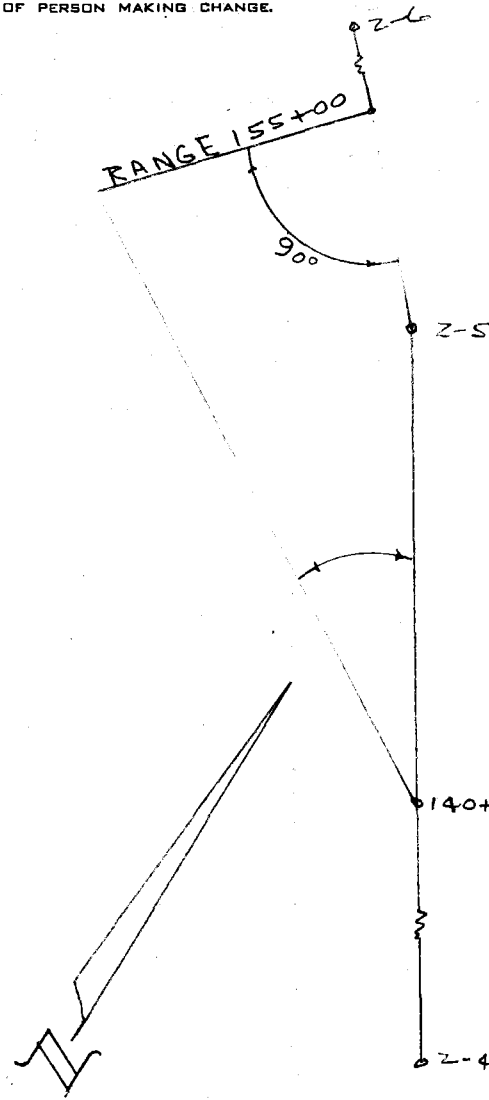
LOS ANGELES COUNTY SURVEYOR

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.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
140+00	Z-5	8:01	1	40	00			
			2	38	25			
			3	36	35			1500110
			4	34	25			
			5	32	15			
			6	30	05			1500112
			7	28	35			
			8	26	40			
			9	24	52			1500114
			10	23	20			
			11	21	47			
			12	20	06			1500116
			13	19	10			
		8:03	14	18	27			
				00	00			1500118
				00	00			
				00	00			
				00	00			1500120



Profile Notes Red. Plotted Job No. 2754-95 Division No. 11 F. B. 2812 Pg. 197

No. Date Date Survey of B.E. STUDIES (ZUMA)

X-Sec. Notes Chkd. Checked Survey by S.K. LIND Notes Huckaby Date 8-31-61

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

F. B. 2812 PG. 198 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

Survey by C.K. LIND Notes Huckaby 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					

76L-298 S & E #307—1-56

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.	160 +00 Finshore	
T.P.	253	10 64		8 11		
T.P.	290	10 59	295	769		
					T @ 2-5 100' offset Line with 5 pts	
					@ 160+00 100' offset line with	
			+40	14 6	5°52'	Rt of 100' offset line
			+52	158	2°45'	" " " " " Tape down
			+22	128	1°52'	" " " " "
			+11	117	0°48'	" " " " "
			09	97	0°00'	" " "
			70	36	3°17'	Lt of " " "
			85	21	6°41'	" " " " "
			104	02	11°52'	" " " " "
			122	-16	16°11'	" " " " "
			158	-52	20°24'	" " " " "
			166	-80	23°37'	" " " " "
T.P.			332	727		

Profile Notes Rod ____ Plotted ____ Job No. 0754-05 Division No. 11 F. B. 2812 Pg. 199
No. ____ Date ____ Date ____ Survey of Beach Fire Station
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 200 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

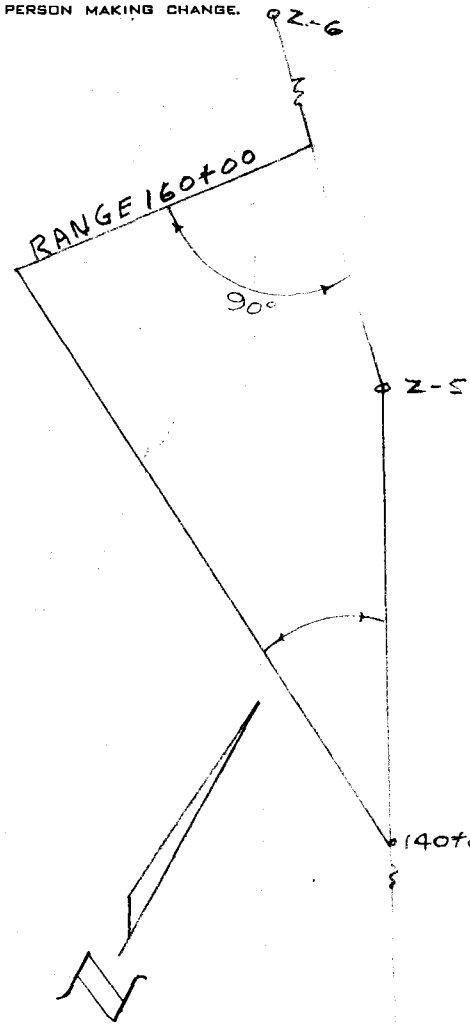
LOS ANGELES COUNTY SURVEYOR

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
140+00	Z-5	8:11	1	32	32			
			2	31	10			
			3	29	30			1600110
			4	27	55			
			5	26	14			
			6	24	45			1600112
			7	23	13			
			8	21	43			
			9	20	15			1600114
			10	18	35			
			11	17	25			
			12	16	14			1600116
			13	15	45			
		8:13	14	14	32			
				00	00			1600118
				00	00			
				00	00			
				00	00			1600120



Profile Notes Red ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2812 PG. 201

No. ____ Date ____ Date ____ Survey of BE STU RIES (Z U M A)

X-Sec. Notes Chkd. ____ Checked ____ Survey by CK LIND Notes Hutchby Date 8-31-62

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

F. B. 2812 PG. 202 Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of BE STUDIES (ZUMA) Date Date No.

Survey by CK LIND Notes Hucksaby 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					

76L-298 S & E #307—1-56

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	165+00 Inshore					
T.P.	323	1050		727						
					TP @ 160+00 100' offset					
					Sight @ 165+00 100' offset					
			+15	120	11°15'	24	55	105' offset		
			+27	132	10°41'	"	"	"	"	
			+85	190	5°46'	"	"	"	"	"
			+30	135	6°12'	"	"	"	"	
			+21	126	2°17'	"	"	"	"	
			78	27	9°39'	4		"		
			90	15	15°38'	"	"	"	"	"
			100	05	20°30'	"	"	"	"	"
			123	-13	30°12	"	"	"	"	"
			160	-55	36°00'	"	"	"	"	"
			185	-80	38°51'	"	"	"	"	"
T.P.	322	1070	302	748						

Profile No. X-Sec. No.
Notes Rod Date Notes Chkd. Date Date
Plotted Date Checked Date
Job No. 0754.05 Survey of Stack Eros Survey by FF Notes FER Date 3/10/56 Map No. Indexed C. J. GALLI Date
Division No. 11
F. B. 3812 Pg. 203

F. B. 2812 Pg. 204 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L296 307 Cdb 1-62

PLEASE RETURN TO

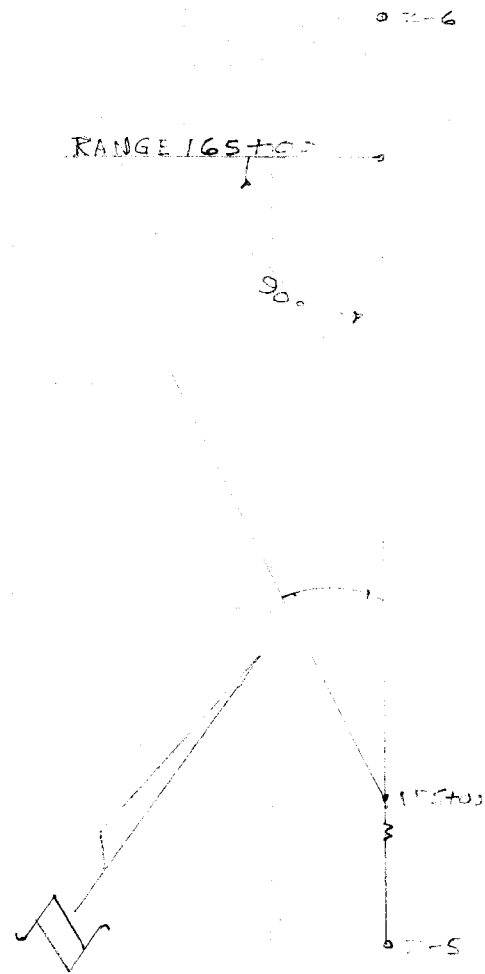
LOS ANGELES COUNTY SURVEYOR

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.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
165+00	Z-6	8:36	1	45	15				
			2	43	55				
			3	42	13				1650108
			4	40	07				
			5	38	09				
			6	36	03				1650110
			7	33	30				
			8	31	32				
			9	29	17				1650112
			10	27	02				
			11	25	12				
			12	23	20				1650114
			13	22	05				
		8:38	14	20	30				
			15	00	00				1650116
			16	00	00				
				00	00				
				00	00				1650118



Profile Notes Red ____ Plotted ____ Job No. 75F05 Division No. 11 F. B. 2812 PG. 205

No. ____ Date ____ Date ____ Survey of [illegible] (Z-6 TO Z-5) Notes ____ Date 8-31-62

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

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

F. B. 2812 PG. 206 Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES (ZUMA) Date _____ Date _____ No. _____

Survey by C.K. LIND Notes Huckaby 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					

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	170+00	Inshore
		10 70				
					TC @ 2-6 100' of 500' line	
					Sight @ 172+00 100	
			+24	13 1	24° 20'	24 of 100' of 500' line
			+22	12 7	8°56'	" " " " "
			14	9 3	5°16'	" " " " "
			7	3 0	11°01'	14 " " " "
			3	1 4	22°58'	" " " " "
			0	-0 3	34°51'	" " " " "
			140	-3 3	46°30'	" " " " "
			164	-5 7	53°37'	" " " " "
			180	-7 9	57°56'	" " " " "
TP			378	6 92		

Profile Notes Red ____ Plotted ____ Job No. 0754.05 Division No. ____ F. B. 2812 Pg. 207
No. ____ Date ____ Date ____ Survey of Erosion Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 31 May 1956
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 PG. 208 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.

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

Do not extend notes this side of this line.

76L-208 S & E #307—1-56

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.

76L298 307 Cdb 1-62

PLEASE RETURN TO

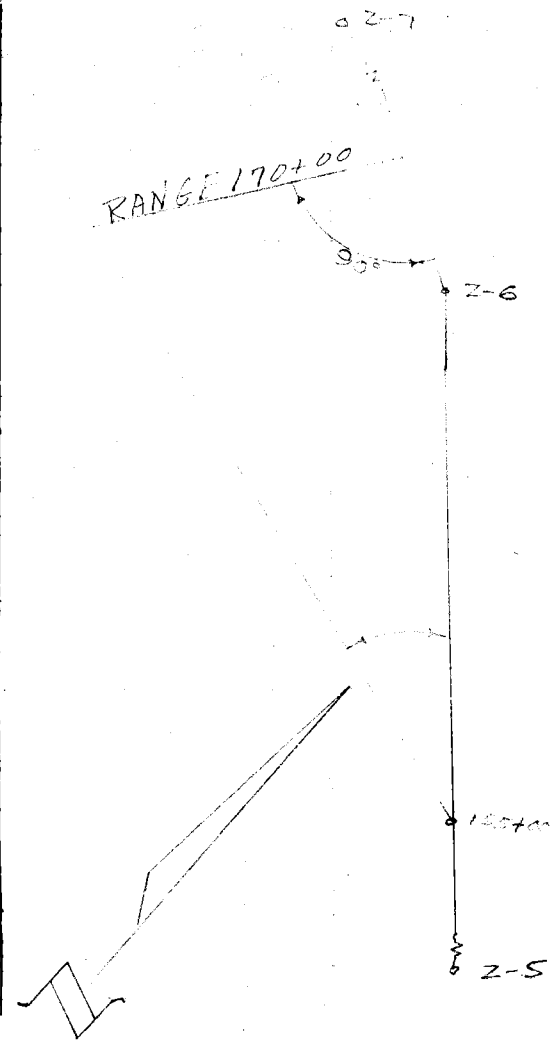
LOS ANGELES COUNTY SURVEYOR

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					
155+00	Z-6	9:50	1	31	40			
			2	29	45			
			3	28	32			1700 1
			4	26	47			
			5	25	45			
			6	24	35			1700112
			7	23	05			
			8	21	24			
			9	20	17			1700114
			10	18	40			
			11	17	22			
			12	16	35			1700116
		9:52	13	15	25			
				00	00			
				00	00			1700118
				00	00			
				00	00			
				00	00			1700120



Profile Notes Red. Plotted Job No. 07754.05 Division No.

No. Date Date Survey of BE STUDIES (2 UNITS) F. B. 2812 PG. 209

X-Sec. Notes Chkd. Checked Survey by CK LLD Notes Illegible Date 8-21-62

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

F. B. 2812 PG. 210 Job No. 0754-05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

Survey by C.K. LIND Notes Hvalcaby 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 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	175+00	Inshore
	286	978		692		
					TP @ Z-6 100' offset line W/	
					Sight @ 175+00 100' of	
			+60	158	10°30' Rt of	100 ft offset line
			+40	133	6°56' " "	" "
			00	98	5°30' " "	" "
			60	38	1°20' "	" "
			80	18	5°27' Lt "	" "
			96	02	10°24' " "	" "
			108	-10	17°10' " "	" "
			127	-29	21°43' " "	" "
			165	-67	24°57' " "	" "
			185	-85	27°44' " "	" "
T.P.	1140	1832	296	692		
Z-6			716	1116	Z-6 Elev. 11.083	F.B. 2100-112

Profile No. X-Sec. No. Notes Red Date Date Notes Chkd. Date Plotted Date Checked Date Job No. 0757.05 Survey of Survey by Map No. Division No. Notes Indexed C. J. GALLI Date F. B. 2112 PG. 211

F. B. 2812 Pg. 212 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.

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

Do not extend notes this side of this line.

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.

76L-398 S & E #307—1-56

76L298 307 Cdb 1-62

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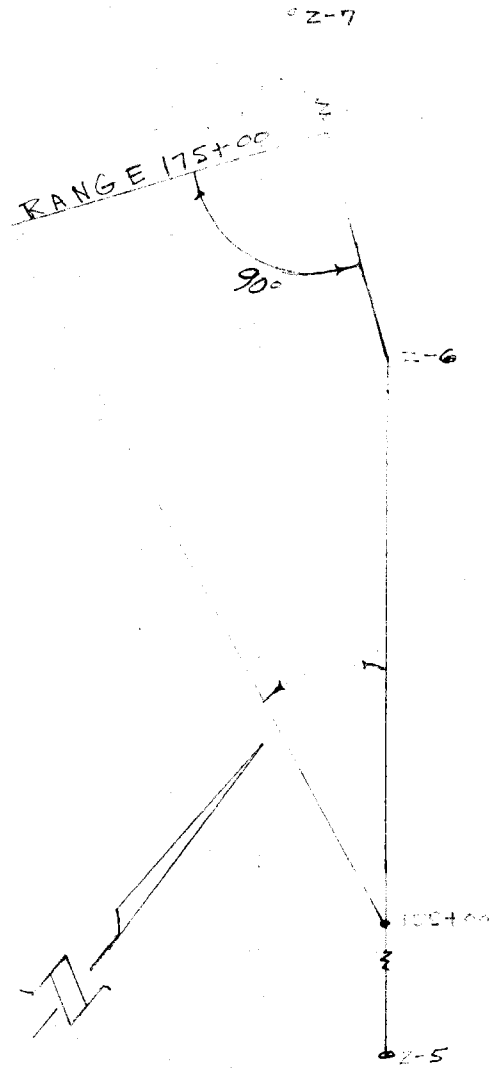
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
155+00	Z-6	9:00	1	28	00			
			2	26	45			
			3	25	20			1750110
			4	24	10			
			5	23	07			
			6	22	00			1750112
			7	21	00			
			8	19	52			
			9	18	38			1750114
			10	17	40			
			11	16	40			
			12	15	30			1750116
			13	15	03			
			14	14	35			
			15	13	32			1750118
			16	12	40			
		9:02	17	12	05			
				00	00			1750120
				00	00			
				00	00			
				00	00			1750122



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

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

Plotted ____ Date ____ Checked ____ Date ____

Job No. 2759.05 Division No. 11 Survey of BE STUDIES Survey by CLEVELAND Notes Date 8-31-62 Map No. ____ Indexed C. J. GALLI Date ____

F. B. 28/12 Pg. 213

F. B. 2812 PG. 214 | Job No. 0754-05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

Survey by C.K. LIND Notes Huckaby 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 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	180+00 Inshore	
Z-6				11 08	Z-6 Elev 11.083	FB 2100 - 122
T.P.	716	18 27	219	16 05	on of Red brick	wall
T.P.	186	17 91	931	6 57		
T.P.	260	11 17	442	6 75		
T.P.	361	10 36	364	6 72		
T.P.	236	9 08				
					TB @ 175+00 sight @ 180+00	
			+5 2	14 74	1° 40' Rt of Control	line
			+3 6	12 78	0° 00' "	"
			+0 5	9 82	1° 25' Lt of "	"
			52	3 90	8° 43' " " "	" Water
			74	1 78	17° 31' " " "	" "
			83	0 52	24° 25' " " "	"
			110	-1 98	32° 30' " " "	"
			158	-6 76	39° 42' " " "	"
			165	-7 73	40° 02' " " "	"
T.P.			245	6 73		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0759.05 Division No. 11 F. B. 2812 Pg. 215
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by EEP Notes TEP Date 4 Sept 72
Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 216

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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

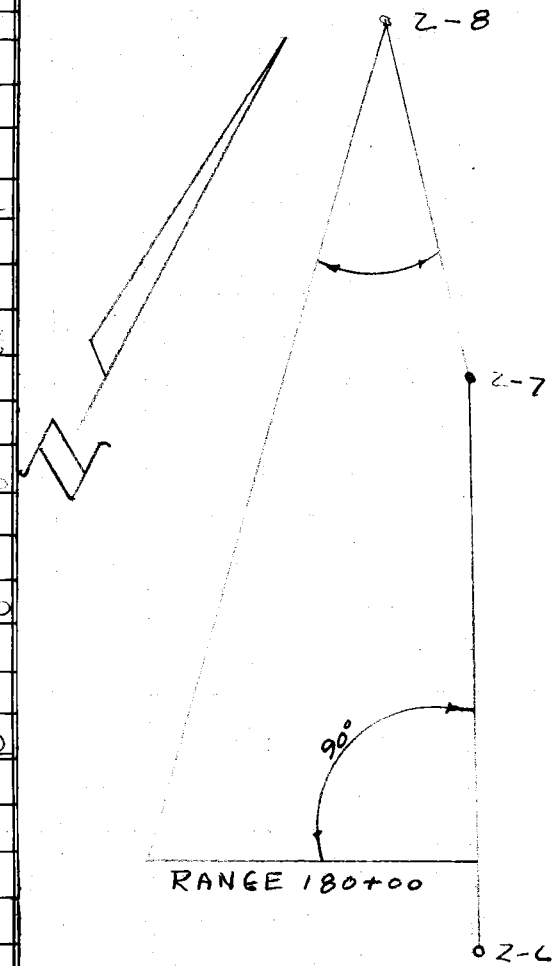
LOS ANGELES COUNTY SURVEYOR

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
Z-8	Z-7	7:00	1	26	22			
			2	25	10			
			3	23	50			1800114
			4	22	28			
			5	21	17			
			6	20	00			1800116
			7	18	50			
			8	17	40			
			9	16	55			1800118
			10	16	10			
			11	15	27			
		7:02	12	14	42			1800120
				00	00			
				00	00			
				00	00			1800122



Profile Notes Red. Plotted Job No. 075-425 Division No. 11 F. B. 78-12 Pg. 217

No. Date Date Survey of B.E. STUDIES (ZUMA)

X-Sec. Notes Chkd. Checked Survey by C.K. Lund Notes Hickey Date 9-4-62

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

F. B. 2812 PG. 218 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

Survey by C.K. LIND Notes Huckaby 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					

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	185+00 Inshore		
T.P.	2.15	9.38		6.63 (73)			
					TN @ 180+00	sight @ 185+00	
			+51	1.45	2°09'	Rt of Control line	
			+45	1.39	[illegible]	" "	" "
			+20	1.15 (5)	0°47'	Lt. "	" "
			00	9 (5)	6°35'	" "	" "
			57	3 (8)	9°18'	" "	" " Water
			72	2 (3)	15°16'	" "	" "
			81	1 (4)	21°51'	" "	" "
			105	-1 (0)	33°12'	" "	" "
			130	-3 (5)	35°41'	" "	" "
			155	-6 (0)	37°35'	" "	" "
			165	-7 (0)	39°26'	" "	" "
T.P.			262	6 (86)			

Profile Notes Red. _____ Plotted _____ Job No. 075405 Division No. 11 F. B. 2812 Pg. 29
No. _____ Date _____ Date _____ Survey of Beach Erosion
X-Sec. Notes Chkd. _____ Checked _____ Survey by EF&B Notes FEB Date 4 Sept 62
No. _____ Date _____ Date _____ Map No. _____ Indexed G. J. GALL Date _____

F. B. 2812 Pg. 220

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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

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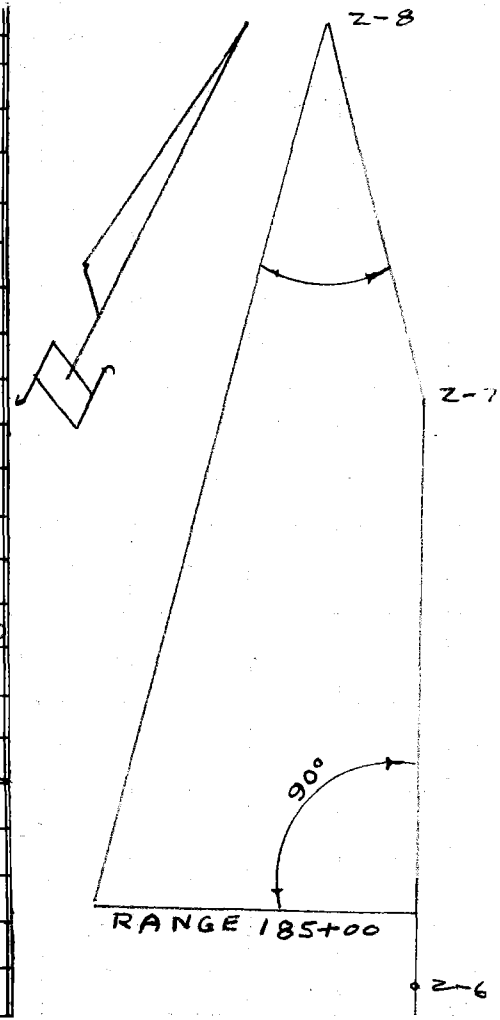
LOS ANGELES COUNTY SURVEYOR

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					
Z-8	Z-7	7:10	1	27	45			
			2	26	40			
			3	25	10			1850114
			4	23	55			
			5	22	44			
			6	21	20			1850116
			7	20	12			
			8	19	14			
			9	17	50			1850118
			10	17	07			
			11	16	27			
		7:11	12	15	35			1850120
				00	00			
				00	00			
				00	00			1850122



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 754.05 Division No. 11 F. B. 7912 PG. 121

X-Sec. No. ____ Date ____ Date ____ Survey of RE. STYOLES (ZUMA)

Notes Chkd. ____ Date ____ Checked ____ Survey by CK. LINQ Notes by Date 9-4-62

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

F. B. 2812 PG. 222 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES ZUMA Date Date No.

Survey by C.K. LIND Notes Huscaby Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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.	190+00 Inshore
T.P.	247	9 23		6 ~~21~~ 06	
					TC @ 185+00 Sight @ 190+00
			+53	14 ~~1~~ 6	0°00' Control line
			+41	13 ~~1~~ 4	1°11' Left " "
			+39	13 ~~1~~ 2	3°16' " " "
			00	9 ~~1~~ 3	6°51' " " "
			58	3 ~~1~~ 5	13°20' " " " Water
			74	1 ~~1~~ 9	23°26' " " " "
			105	-1 ~~1~~ 2	34°36' " " " "
			137	-4 ~~1~~ 4	40°07' " " " " "
			195	-10 ~~1~~ 2	45°34' " " " "
T.P.			279	6 ~~21~~ 54	

Profile Notes Red. Plotted Job No. 0759.05 Division No. 11 F. B. 2812 Pg. 223
No. Date Date Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by PES Notes PES Date 8/5/57
No. Date Date Map No. Indexed C. J. GALI Date

F. B. 2812 Pg. 224

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 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
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.

76L-298 S & E #307—1-56

cdb 1-62

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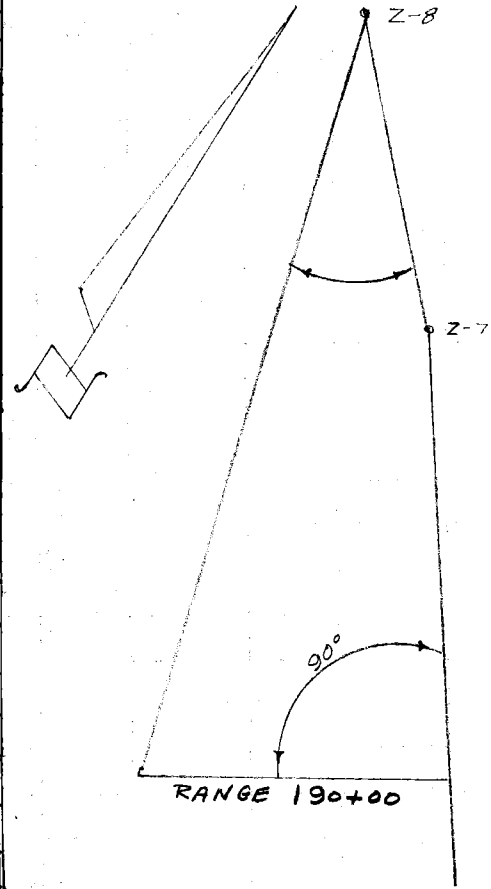
LOS ANGELES COUNTY SURVEYOR

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					
Z-8	Z-7	7:18	1	33	40			
			2	32	00			
			3	30	45			1900114
			4	29	30			
			5	28	26			
			6	27	30			1900116
			7	25	33			
			8	23	45			
			9	22	06			1900118
			10	20	17			
			11	18	55			
			12	18	01			1900120
		7:20	13	17	14			
				00	00			
				00	00			1900122
				00	00			
				00	00			
				00	00			1900124



Profile

No. Notes Red. Plotted Job No. 2764.05 Division No. 11 F. B. 7-7 Pg. 225

Date Date Survey of BESTWOIES (ZUMA)

X-Sec. Notes Chkd. Checked Survey by CKLIND Notes Hackney Date 9-4-62

No. Date Date Map No. Index C. J. GAUL Date

F. B. 2812 PG. 226 | Job No. 0759-05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

Survey by C.K. LIND Notes Huckaby 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 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	192+00 Inshore				
TP	267	911		644					
					T@ 190+00	Sight @ 192+00			
			+5.5	14X2	5°50'	Lt of Control line			
			+54	14X6	6°16'	"	"	"	
			+41	13X3	9°38'	"	"	"	
			00	9X2	13°37'	"	"	"	
			40	5X2	20°35'	"	"	"	
			62	3X9	29°32'	"	"	"	Water
			73	1X9	37°55'	"	"	"	"
			75	1X7	41°50'	"	"	"	"
			85	0X7	45°54'	"	"	"	"
			97	-0X5	48°00'	"	"	"	"
			113	-2X1	52°25'	"	"	"	"
			133	-4X1	57°08'	"	"	"	"
			154	-6X2	62°20	"	"	"	"
			190	-8X8	64°50'	"	"	"	"

Profile Notes Rod ____ Plotted ____ Job No. 0754-05 Division No. 11 F. B. 2812 Pg. 227
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by FEB Notes FEB Date 4 March 62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg 228 | 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.

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

Do not extend notes this side of this line.

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.

76L-296 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

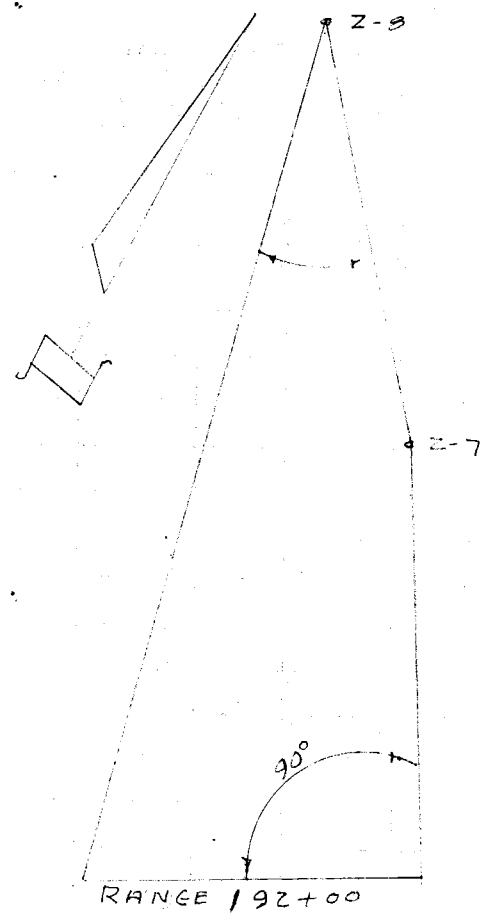
LOS ANGELES COUNTY SURVEYOR

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					
Z-8	Z-7	7:32	1	38	43			
			2	37	15			
			3	35	17			1920114
			4	33	33			
			5	31	35			
			6	29	47			1920116
			7	28	20			
			8	27	26			
			9	25	30			1920118
			10	23	00			
			11	21	47			
			12	20	17			1920120
			13	19	00			
		7:34	14	18	00			
				00	00			1920122
				00	00			
				00	00			
				00	00			1920124



Z-6

Profile Notes Red. Plotted Job No. 2757.05 Division No. 11 F. B. 1912 Pg. 229

No. Date Date Survey of BEESTUBIES (ZUMB)

X-Sec. Notes Chkd. Checked Survey by SKLIND Notes Hucka by Date 9-4-62

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

F. B. 2812 PG. 230 | Job No. 0754-05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E STUDIES ZUMA Date Date No.

Survey by C.KLIND Notes Huckaby Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	195+00 Inshore				
		9 11							
					T @ 197+50	Sight @ 195+00			
			+25	16 X7	0°00'	Control	line		
			-56	14 X8	6°17'	Rt	of	"	"
			00	9 X2	12°16'	"	"	"	"
			55	3 X7	24°12'	"	"	"	" Water
			69	2 X3	35°55'	"	"	"	" "
			77	1 X5	42°57'	"	"	"	" "
			110	-1 X8	56°34'	"	"	"	" "
			140	-4 X8	60°08'	"	"	"	" "
			167	-7 X5	62°03	"	"	"	" "
T.P.			162	7 X9					

Profile Notes Red ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 2672 Pg. 231
No. X-Sec. ____ Date ____ Date ____ Survey of Beach Erosion
No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

F. B. 2812 Pg. 232

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.

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

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76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

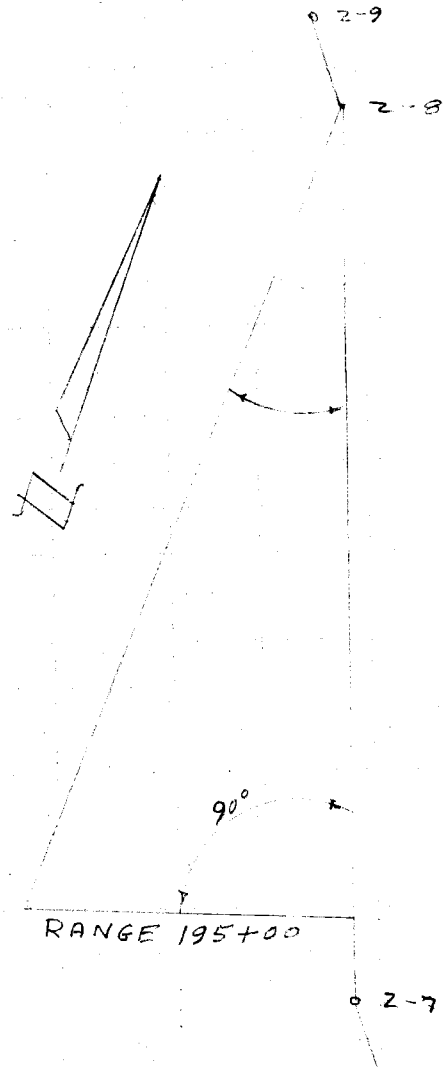
LOS ANGELES COUNTY SURVEYOR

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					
Z-8	Z-7	7:39	1	38	42			
			2	37	05			
			3	35	33			1950112
			4	33	55			
			5	31	50			
			6	29	55			1950114
			7	27	48			
			8	26	17			
			9	24	47			1950116
			10	23	30			
			11	21	15			
		7:41	12	20	35			1950118
				00	00			
				00	00			
				00	00			1950120



Profile

Notes Red. ____ Plotted ____ Job No. 075905 Division No. 11 F. B. 7912 Pg. 33

No. ____ Date ____ Date ____ Survey of B.E. STRODLES (ZUMA)

X-Sec. Notes Chkd. ____ Checked ____ Survey by CLINE Notes Hackley Date 9-4-62

No. ____ Date ____ Date ____ Map No. ____ Indexed C. A. GALL Date ____

F. B. 1812 PG. 234 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES ZUMA Date Date No.

Survey by C.K. LIND Notes Huckaby 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					

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	197+50 Inshore					
T.P.	243	992		749						
					TA @ 195+00		Sight @ 197+50			
			+32	13 X2	0°00'		Control	line		
			+24	12 X4	2°56'	Lt. of	"	"		
			00	10 X0	6°03'	"	"	"	"	
			29	7 X1	10°31'	"	"	"	"	
			70	3 X5	22°39'	"	"	"	"	Water
			77	2 X3	31°08'	"	"	"	"	"
			88	1 X2	40°52'	"	"	"	"	"
			96	0 X4	46°45'	"	"	"	"	"
			110	-1 X0	50°02'	"	"	"	"	"
			119	-2 X2	53°23'	"	"	"	"	"
			145	-4 X5	56°35'	"	"	"	"	"
			190	-9 X0	60°16'	"	"	"	"	"
T.P.			200	8 X3						

Profile Notes Red. Plotted Job No. 0754.05 Division No. 11 F. B. 2812 PG. 235
No. X-Sec. Date Date Survey of
No. Notes Chkd. Checked Survey by Notes Date
Date Date Map No. Indexed C. J. GALLI Date

F. B. 2812 Pg. 236 | 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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

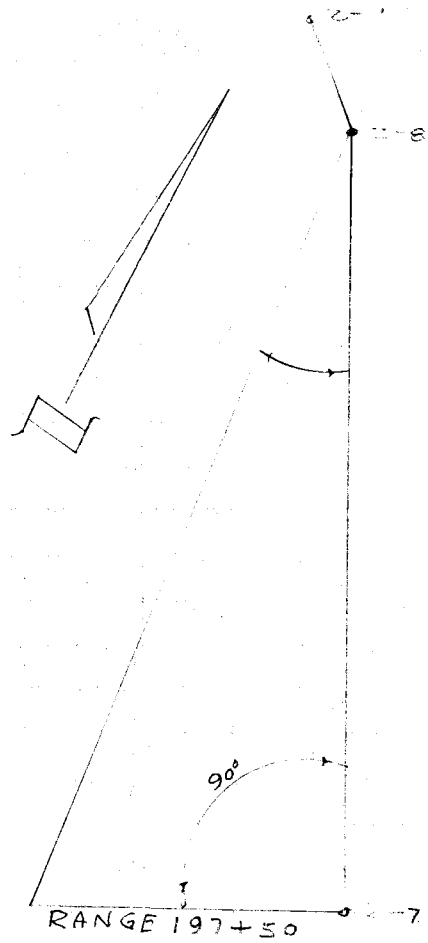
LOS ANGELES COUNTY SURVEYOR

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					
Z-8	Z-7	7:45	1	50	07			
			2	48	55			
			3	47	35			1975112
			4	45	50			
			5	44	05			
			6	42	40			1975114
			7	40	15			
			8	39	10			
			9	37	10			1975116
			10	35	14			
			11	34	12			
			12	31	45			1975118
			13	29	47			
			14	28	00			
		7:48	15	25	15			1975120
				00	00			
				00	00			
				00	00			1975122



Profile No.____ X-Sec. No.____

Notes Red____ Date____ Notes Chkd____ Date____

Plotted____ Date____ Checked____ Date____

Job No. 2767.05 Division No. 11 Survey of B.E. STUDILES (2 YMB) Survey by C.K. LINN Notes Hurlbert Date 9-4-62 Map No.____ Indexed C. J. GALL Date____

F. B. 1912 Pg. 737

F. B. 2812 PG. 238 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

Survey by C.K LIND Notes Huckaby Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	S. S.	H. I.	F. S.	ELEV.	200 + 00 Inshore				
T.P.	268	1060		8 ~~79~~ 02					
					T @ 197+50 sight @ 200+00				
			+37	14 ~~5~~ 4	5°24'	Rt. of	Control line		
			+17	12 ~~5~~ 4	0°00'		"	"	
			00	10 ~~4~~ 7	3°01'	Lt. of	"	"	
			26	8 ~~4~~ 1	5°51'	"	"	"	"	
			78	2 ~~8~~ 1	20°26'	"	"	"	"	Water
			92	1 ~~4~~ 5	33°24'	"	"	"	"	"
			104	0 ~~4~~ 1	44°18'	"	"	"	"	"
			124	-1 ~~8~~ 1	50°11'	"	"	"	"	"
			159	-5 ~~4~~ 2	55°22'	"	"	"	"	"
			190	-8 ~~4~~ 3	57°40	"	"	"	"	"

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0754.05 Division No. 11 F. B. 7812 Pg. 239
X-Sec. No. ____ Date ____ Date ____ Survey of Bridge Frost Loop
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed C. J. GAUL Date ____

F. B. 282 Pg. 240

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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

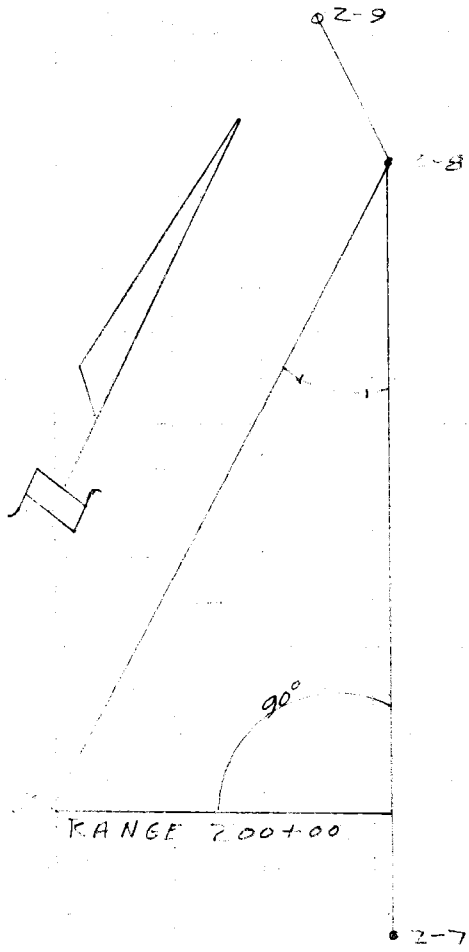
76L298 307 Cdb 1-62

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					
Z-8	Z-7	7:54	1	61	35			
			2	60	27			
			3	58	35			2000112
			4	56	45			
			5	55	14			
			6	53	33			2000114
			7	51	15			
			8	48	45			
			9	47	15			2000116
			10	45	00			
			11	42	17			
			12	40	17			2000118
			13	37	20			
			14	35	10			
			15	33	18			2000120
		7:56	16	32	07			
				00	00			
				00	00			2000122
				00	00			
				00	00			
				00	00			2000124



Profile
Notes Red
Plotted
Job No. 754-05
Division No. 11
F. B. 2812 Pg. 241
No. Date Date Survey of B.E. STUDIES (ZONA)
X-Sec. Notes Chkd. Checked Survey by CK LHP Notes Illegible Date 3-4-62
No. Date Date Map No. Indexed C. J. GALL Date

F. B. 2812 PG. 242 | Job No. 075405 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES ZUMA Date Date No.

Survey by C.K. LIND Notes HUCKABY 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.

76L298 307 Cdb 1-62

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.

76L-298 S & E #307—1-56

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.	202 + 00 Inshore				
		10 60							
					A @ 200 + 00 sight @ 202+00				
			+36	14 ~~8~~ 3	10°03'	Rt of	Control	line	
			+22	12 ~~8~~ 9	4°04'	"	"	"	"
			+22	12 ~~8~~ 9	0°00'		"	"	
			+20	12 ~~8~~ 7	3°23'	Lt of	"	"	
			72	3 ~~4~~ 5	8°11'	"	"	"	"	Water
			85	2 ~~X~~ 2	22°12'	"	"	"	"	"
			93	1 ~~X~~ 4	33°30'	"	"	"	"	"
			119	-1 ~~X~~ 2	44°21'	"	"	"	"	"
			142	-3 ~~X~~ 5	54°33'	"	"	"	"	"
			155	-4 ~~7~~ 8	59°27'	"	"	"	"	"
			165	-5 ~~7~~ 8	62°58'	"	"	"	"	"
T.P.			314	7 ~~46~~ 56						

Profile Notes Red _____ Plotted _____ Job No. 0754-05
No. _____ Date _____ Date _____ Survey of Bicycle Trail
X-Sec. Notes Chkd. _____ Checked _____ Survey by _____ Division No. 11
No. _____ Date _____ Date _____ Map No. _____ Indexed C. J. GALLI Date _____ Notes _____ Date _____

F. B. 2872 PG. 243

F. B. 2812 Pg. 244

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.

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

Do not extend notes this side of this line.

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.

76L-298 S & E #307—1-56

76L298 307 Cdb 1-62

PLEASE RETURN TO

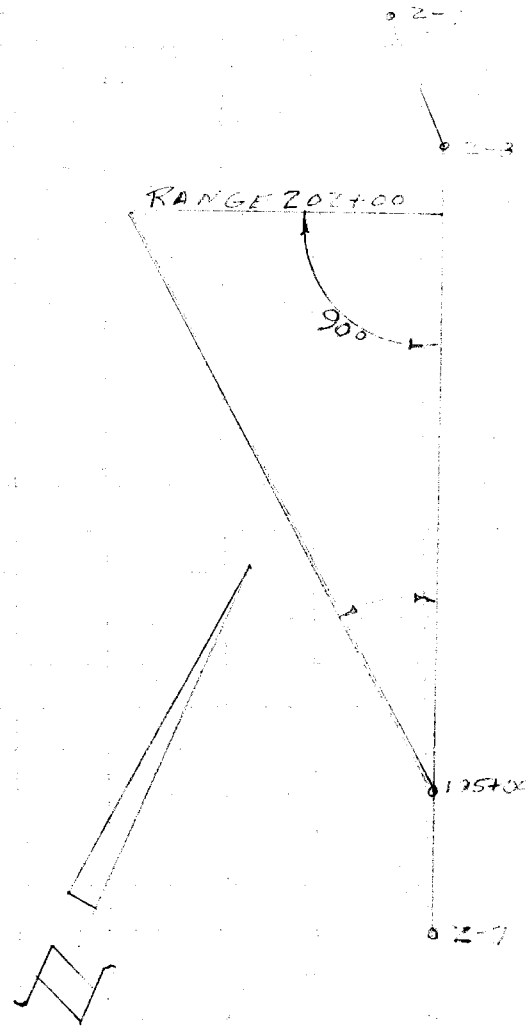
LOS ANGELES COUNTY SURVEYOR

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					
195+00	Z-8	8:09	1	53	45			
			2	51	45			
			3	49	25			2020108
			4	47	15			
			5	45	20			
			6	43	20			2020110
			7	40	40			
			8	38	12			
			9	35	45			2020112
			10	34	05			
			11	31	47			
			12	30	05			2020114
			13	28	40			
		9:12	14	27	18			
			15	00	00			2020116
				00	00			
				00	00			
				00	00			2020118



Profile Notes Red_____ Plotted_____ Job No. 0754-95 Division No. 11 F. B. 2912 Pg. 245

No._____ Date_____ Date_____ Survey of B.E. STUDIES (ZUMA)

X-Sec. Notes Chkd._____ Checked_____ Survey by C.K. LINP Notes Huckaby Date 9-4-62

No._____ Date_____ Date_____ Map No._____ Indexed C. J. GALL Date_____

F. B. 2812 PG. 246 | Job No. 0754.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES Date Date No.

Survey by C.KLIND Notes HUCKABY Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

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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.

76L298 307 Cdb 1-62

76L-295 S & E #307—1-56

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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	S. S.	H. I.	F. S.	ELEV.	204+00 Inshore	
T.P.	368	11 14		7 5/6		
					Ⓚ 202+00	Sight @ 204+00
			+33	14 X5	0°00'	Control line
			+16	12 X8	5°35'	Lt of " "
			+12	12 X4	10°52'	" " " "
			28	8 X4	13°45'	" " " "
			55	5 X7	14°20'	" " " " Water
			86	2 X6	34°25'	" " " "
			96	1 X6	47°25'	" " " " "
			121	- X9	56°48'	" " " " "
			153	-4 X1	63°45'	" " " " "
			164	-5 X2	65°31'	" " " " "
			185	-7 X3	69°10'	" " " " "

Profile Notes Red ____ Plotted ____ Job No. 0754-05 Division No. 11 F. B. 2812 Pg. 247
No. X-Sec. ____ Date ____ Date ____ Survey of Beach Erosion Study
No. ____ Notes Chkd. ____ Checked ____ Survey by EKB Notes EKB Date ____
Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2812 Pg. 248

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.

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

Do not extend notes this side of this line.

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.

76L-288 S & R #307—1-56

76L298 307 Cdb 1-62

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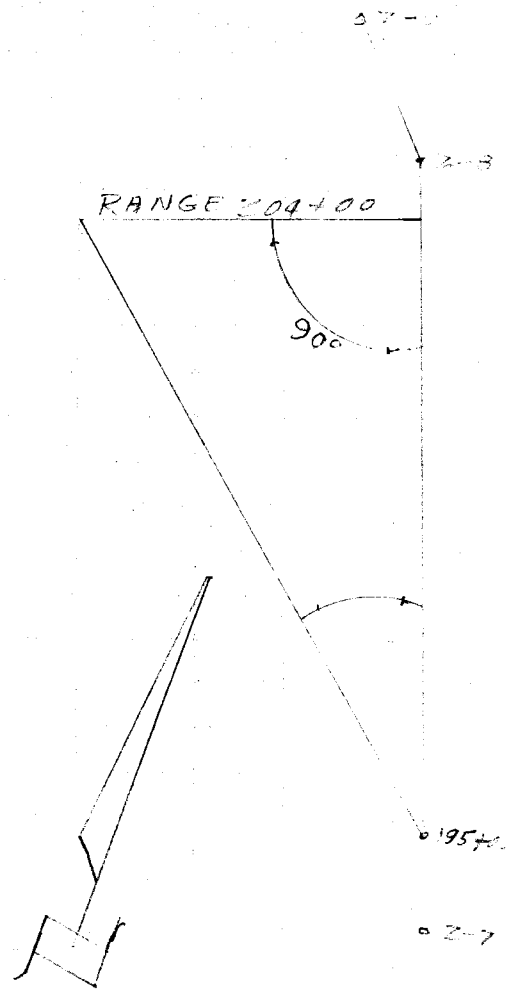
LOS ANGELES COUNTY SURVEYOR

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					
195+00	2-8	8:17	1	49	50			
			2	48	00			
			3	47	00			2040108
			4	45	25			
			5	44	12			
			6	42	50			2040110
			7	41	05			
			8	39	30			
			9	38	00			2040112
			10	36	00			
			11	34	00			
			12	31	50			2040114
			13	30	07			
			14	28	12			
			15	26	40			2040116
			16	24	40			
			17	22	40			
		8:19	18	21	20			2040118
				00	00			
				00	00			
				00	00			2040120



Profile

Notes Red. Plotted Job No. 075405 Division No. 11 F. B. 2912 PG. 249

No. Date Date Survey of [illegible]

X-Sec. Notes Chkd. Checked Survey by [illegible] Notes [illegible] Date 9-4-62

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

F. B. 2812 Pg. 250 | Job No. 0254.05 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (2 UMA) Date Date No.

Survey by C.K. LIND Notes HUCKABY Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Z-8 205+24.27 [redacted]
		11 14 ✓			
					A @ 202+00 Sight @ Z-8
			37	7 ~~X~~5 ✓	14° 03' Lt. of Control Line
			73	3 ~~X~~2 ✓	22° 45' " " " " "
			85	2 ~~X~~7 ✓	31° 10' " " " " "
			102	~~2~~ ~~X~~0 ✓	41° 15' " " " " "
			142	-3 ~~X~~0 ✓	50° 24' " " " " "
			153	- ~~4~~ 3 ✓	55° 34' " " " " "
			160	- ~~4~~ 4 ✓	57° 50' " " " " "
			178	- 6 ~~X~~6 ✓	60° 35' " " " " "
T.P.			260	8 ~~54~~ 64 ✓	
T.P.	264	11 18 ✓	084	10 ~~32~~ 44 ✓	10.30
T.P.	11 97	22 31 ✓	11 41	10 ~~79~~ 66 ✓	
T.P.	4 14	15 54 ✓	541	10 ~~72~~ 23 ✓	

Profile Notes Red ____ Plotted ____ Job No. 0754-05
No. ____ Date ____ Date ____ Survey of ____ Division No. 11
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2812 Pg. 251

F. B. 2812 Pg. 252

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.

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

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76L-298 S & E #207—1-56

76L298 307 Cdb 1-62

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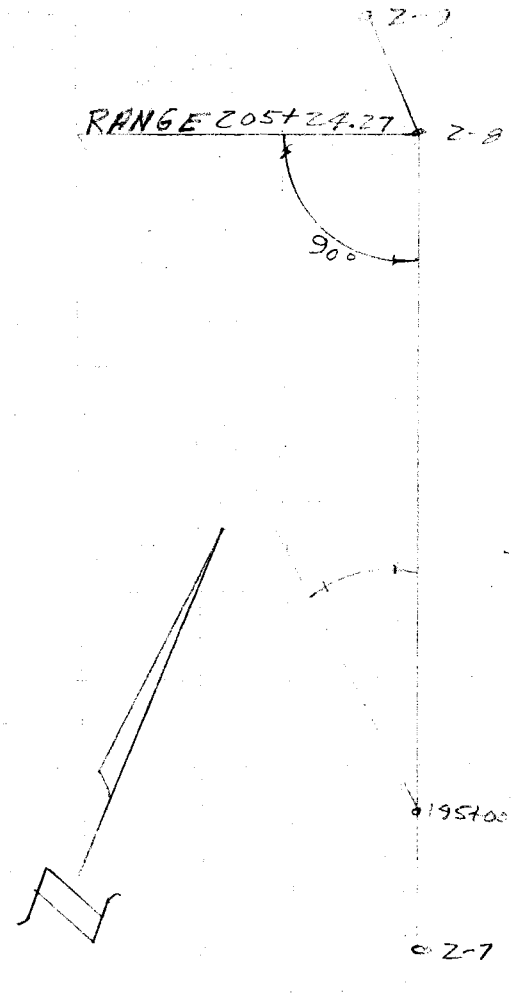
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
195700	Z-8	9:29	1	45	44			
			2	44	45			
			3	43	45			2052508
			4	43	12			
			5	42	44			
			6	38	44			2052510
			7	37	27			
			8	35	50			
			9	33	52			2052512
			10	32	27			
			11	31	15			
			12	29	25			2052514
		8:31	13	28	25			
			14	00	00			
			15	00	00			2052516
				00	00			
				00	00			
				00	00			2052518



Profile Notes Red ____ Plotted ____ Job No. 075405 Division No. 11 F. B. 2812 Pg. 253
No. ____ Date ____ Date ____ Survey of B.E. STUDIES (ZUMA)
X-Sec. Notes Chkd. ____ Checked ____ Survey by C.P. / [illegible] Notes [illegible] Date 9-4-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 7812 PG. 254 Job No. 075405 Division No. 11 Notes Red. Plotted Profile

Survey of B.E. STUDIES (ZUMA) Date Date No.

Survey by C.K. LIND Notes Huckaby Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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76L298 307 Cdb 1-62

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	Z-9 20+27.42 Instore
T.P.	2 11	12 24 ✓		10 23/~~13~~ ✓	6' extension added to rod.
					T @ Z-8 Sight @ Z-9
					line run 90° to forward
			10 0	2 3/~~5~~ ✓	5° 15' Lt. of Control
			12 0	0 3/~~1~~ ✓	5° 15' " " "
			21 6	-9 3/~~4~~ ✓	9° 30' " " "
			20 8	-8 5/~~6~~ ✓	9° 47' " " "
			23 5	-11 2/~~3~~ ✓	10° 16' " " "
T.P.			0 01	12 33/~~35~~ ✓	
T.P.	10 12	22 35 ✓	0 21	22 24/~~24~~ ✓	
T.P.	9 02	31 96 ✓	1 94	30 12/~~12~~ ✓	
Z-9	Elev	38 62 ✓	4 61	34 ~~01~~ ✓	Z-9 Elev. 34.269 F.B. [illegible]

Something wrong - Z-9 is off .259'. One-tenth ft. (.10) was added to all elevations until preceding bench mark was reached as a correction.

Profile Notes Rod ____ Plotted ____ Job No. 0754.05 Division No. ____
No. ____ X-Sec. ____ Date ____ Date ____ Survey of ____
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 7812 Pg. 255

F. B. 2812 Pg. 256

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.

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

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76L-208 S & E #307—1-56

76L298 307 Cdb 1-62

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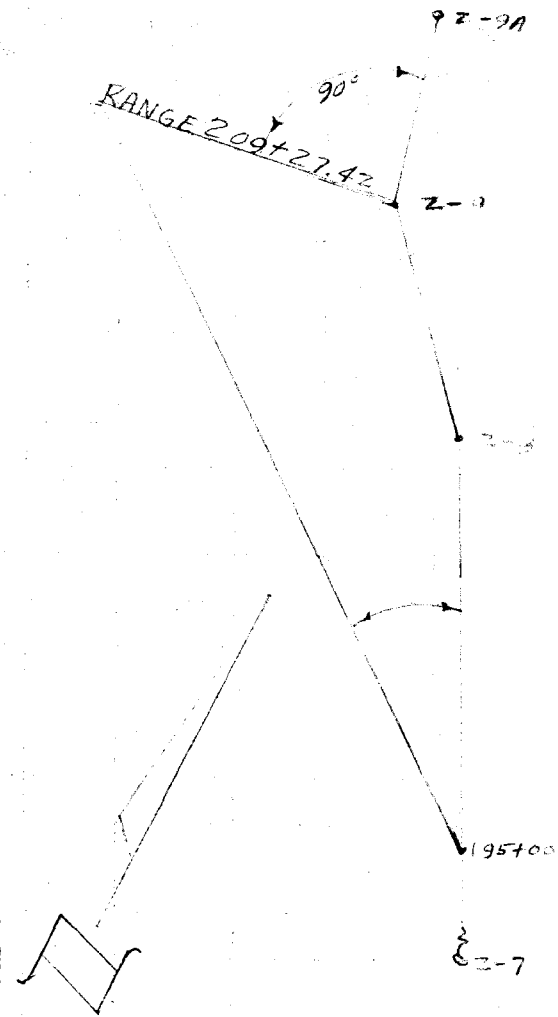
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
195+00	Z-8	8:46	1	40	20			
			2	38	35			
			3	36	27			2092810
			4	35	45			
			5	34	40			
			6	33	55			2092812
			7	31	30			
			8	31	00			
			9	29	55			2092814
			10	29	05			
			11	28	30			
			12	27	45			2092816
			13	26	45			
		8:51	14	26	20			
			15	00	00			2092818
				00	00			
				00	00			
				00	00			2092820



Profile Notes Red. Plotted Job No. 754.05 Division No. 11 F. B. 2812 PG. 257
No. Date Date Survey of RESTUDIES (YUMA)
X-Sec. Notes Chkd. Checked Survey by C.K. LIND Notes Hulsey Date 9-4-62
No. Date Date Map No. Indexed C. L. GALL Date

F. B. 2812 PG. 258 | Job No. 0754.05 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of B.E. STUDIES ZUMA Date _____ Date _____ No. _____

Survey by C.K. LIND Notes Hackley 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					

Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 0300.02 Tape Std °F
Office Work K.R.C.	Surveyed by
Checked	Notes Date
Date	Indexed E. J. GALLI NOV 30 '62

F. B. 2812 PG. 259

TIDE GAUGE READINGS
AUG. 22, 1962
DATUM - M.L.L.W.
TIME - P.S.T.

TIME (P.S.T.)	GAUGE READING (M.L.L.W.)
6:30 AM.	2.3
7:00	2.3
7:30	2.2
8:00	2.3
8:30	2.2
9:00	2.4
9:30	2.5
10:00	2.6
10:30	3.0
11:00	3.3
11:30	3.5

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE # 310 3-61

F. B. 2812 PG. 260

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Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 2[illegible].02 Tape Std °F
Office Work K.R.C.	Surveyed by
Checked	Notes Date
Date	Indexed G. J. GALLI

F. B. 2812 PG. 261

TIDE GAUGE READING
AUG. 23, 1962
DATUM - M.L.L.W.
TIME = P.S.T.

TIME (P.S.T.)	GAUGE READING (M.L.L.W.)
6:00 AM	3.4
6:30	3.4
7:00	3.1
7:30	2.9
8:00	2.7
8:30	2.7
9:00	2.6
9:30	2.5
10:00	2.4
10:30	2.5

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 CE # 310 3-61

F. B. 2812 PG. 262

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Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 8360.02 Tape Std °F
Office Work K.R.C.	Surveyed by
Checked	Notes Date
Date	Indexed B. J. GALLI

F. B. 2812 PG. 263

TIDE GAUGE READING
AUG. 29, 1962
DATUM - M.L.L.W.
TIME - P.S.T.

TIME (P.S.T.)	GAUGE READING (M.L.L.W)
6:00 AM	3.7
6:30	3.7
7:00	3.7
7:30	3.6
8:00	3.3
8:30	3.2
9:00	3.0
9:30	2.8
10:00	2.7

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 CE # 310 3-61

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

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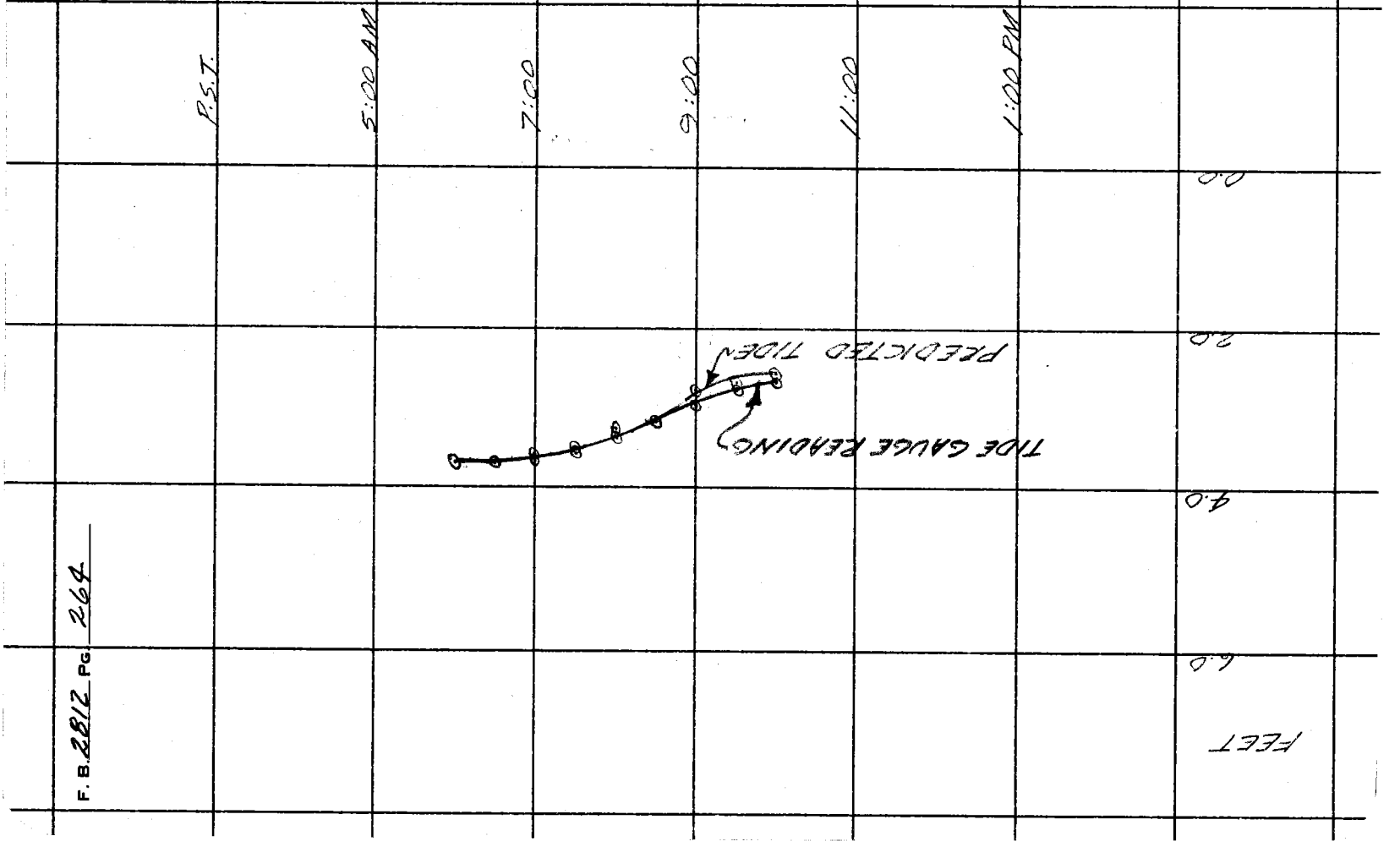
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.



F. B. 2812 PG. 264

Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 0300.00 Tape Std °F
Office Work K.P.C.	Surveyed by
Checked	Notes Date
Date	Indexed C. J. GALLI

F. B. 2812 PG. 265

TIDE GAUGE READING
AUG. 27, 1962
DATUM - M.L.L.W.
TIME - P.S.T.

TIME (P.S.T)	GUAGE READING (M.L.L.W)
10:00 A.M.	3.8
10:30	3.4
11:00	3.0
11:30	2.8
12:00 N.	2.5
12:30 PM	2.2
13:00	2.1

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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76F3085 CE # 310 3-61

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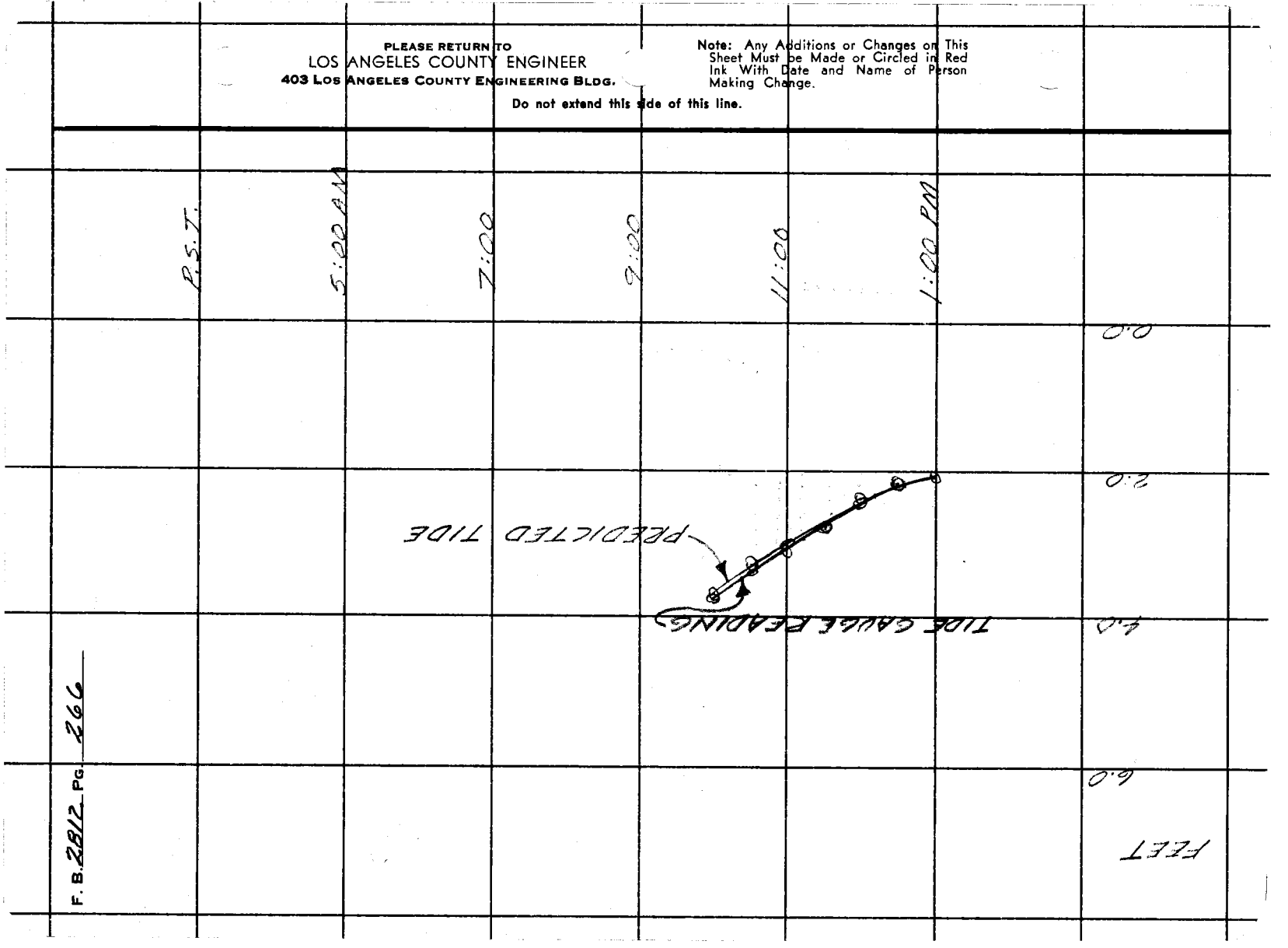
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 this side of this line.



F. B. 2812 PG. 266

Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 0306.06 Tape Std °F
Office Work F.R.C.	Surveyed by
Checked	Notes Date
Date	Indexed G. J. GALLI

F. B. 2812 PG. 267

TIDE GUAGE READING
AUG. 28, 1962
DATUM - M.L.L.W.
TIME - P.S.T.

TIME (P.S.T.)	GUAGE READING (M.L.L.W.)
6:00 AM.	2.7
6:30	3.3
7:00	3.7
7:30	4.0
8:00	4.3
8:30	4.5
9:00	4.5
9:30	4.4
10:00	4.2

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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76F3095 CE # 310 3-61

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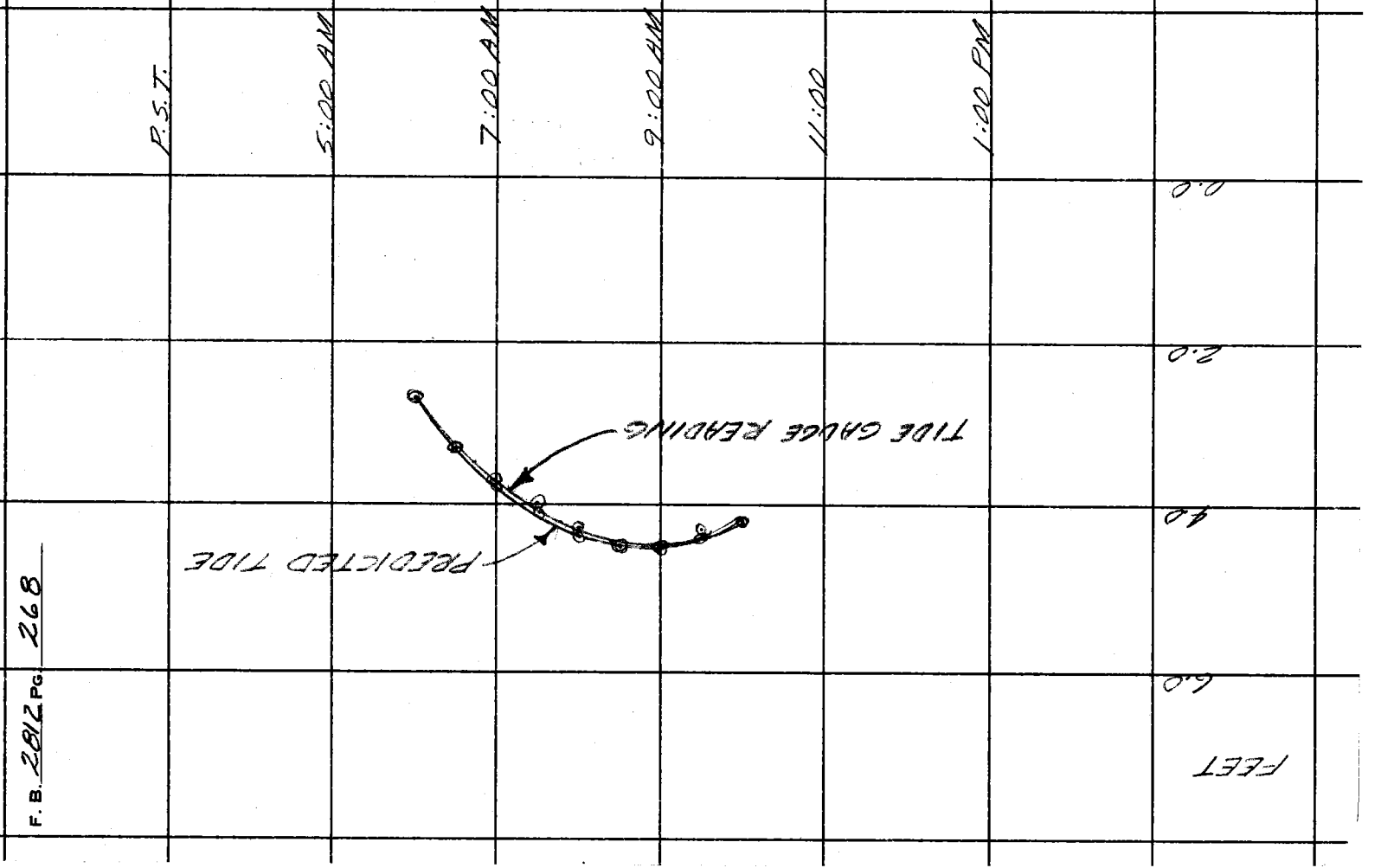
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.



F. B. 2812 PG. 268

Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 0739.05 Tape Std °F
Office Work K.R.C	Surveyed by
Checked	Notes Date
Date	Indexed E. J. GALLI

F. B. 2812 PG. 269

TIDE GAUGE READING
AUG. 29, 1962
DATUM - M.L.L.W.
TIME - P.S.T.

TIME (P.S.T.)	GAUGE READING (M.L.L.W.)
6:30 AM.	2.9
7:00	3.4
7:30	3.8
8:00	4.2
8:30	4.5
9:00	4.6
9:30	4.5
10:00	4.4
10:30	4.2

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE # 310 3-61

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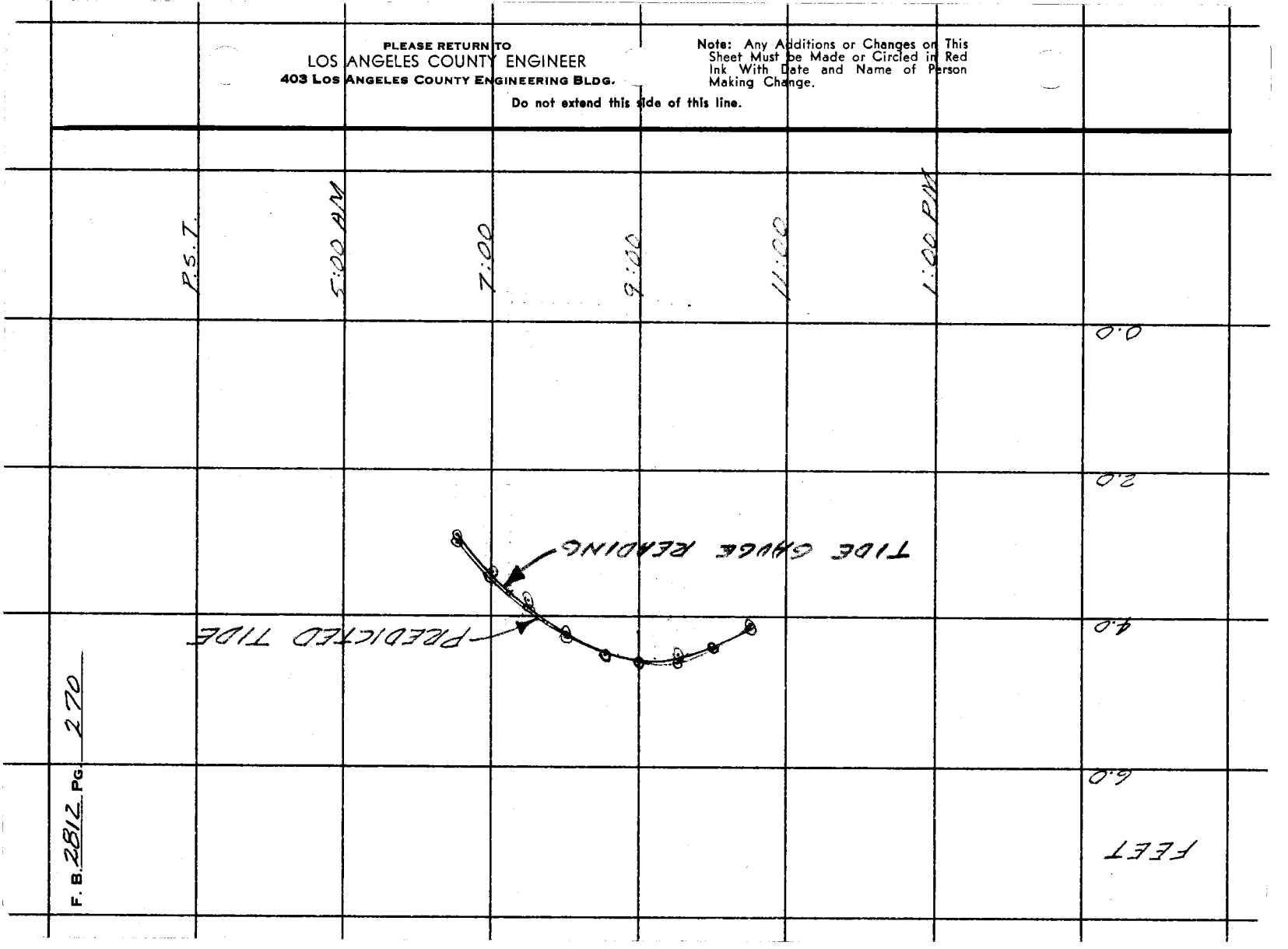

F. B. 2812 PG. 270

Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 075405 Tape Std °F
Office Work KPC	Surveyed by
Checked	Notes Date
Date	Indexed G. J. GALLI

F. B. 2812 PG. 271

TIDE GAUGE READING
AUG 30, 1962
DATUM - M.L.L.W.
TIME - P.S.T.

TIME (P.S.T.)	GAUGE READING (M.L.L.W.)
5:00 A.M.	0.9
5:30	1.4
6:00	1.9
6:30	2.5
7:00	3.1
7:30	3.7
8:00	4.0
8:30	4.3
9:00	4.5
9:30	4.6
10:00	4.6
10:30	4.4
11:00	4.2
11:30	4.0

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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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE # 310 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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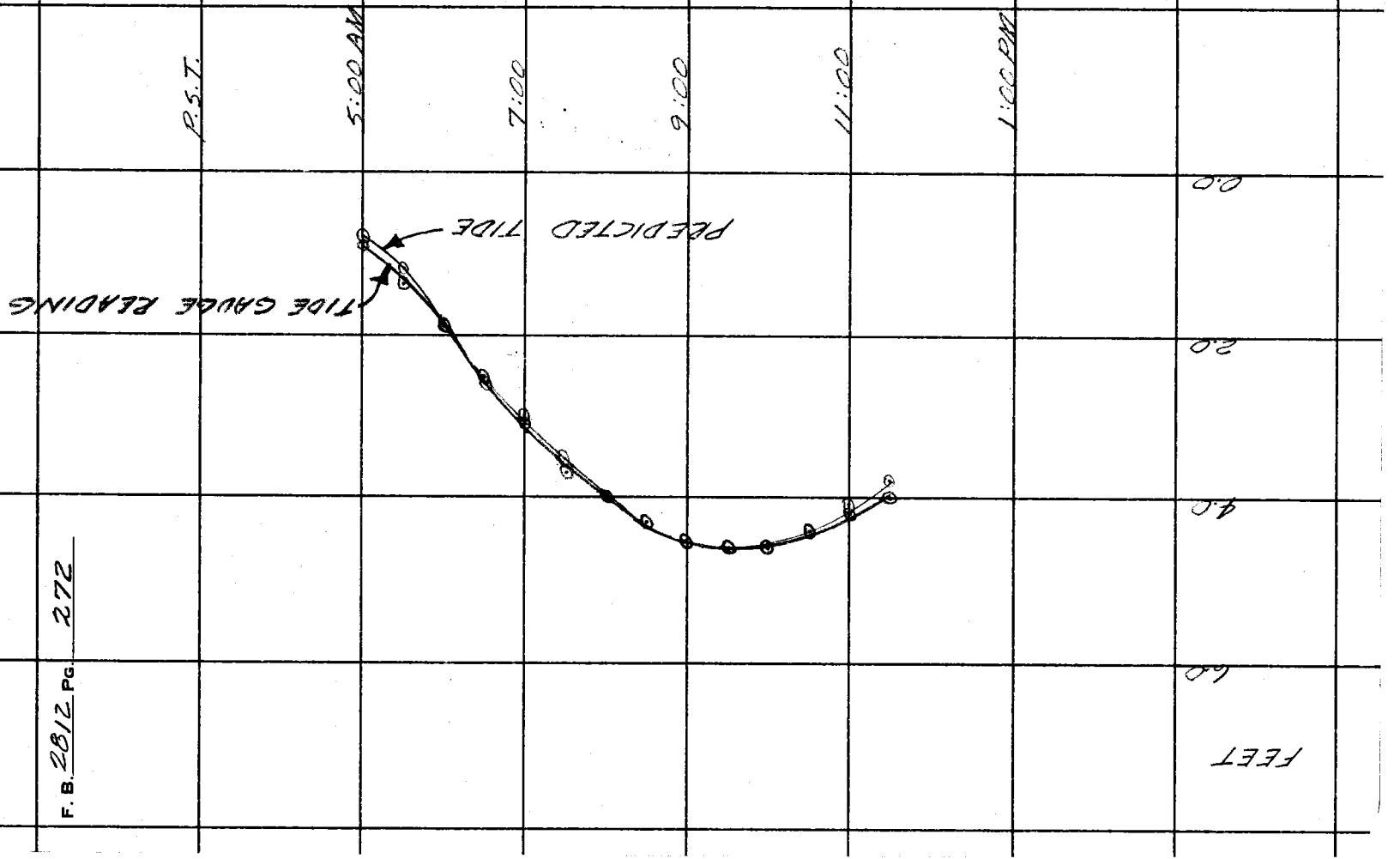
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.



F. B. 2812 PG. 272

Notes Ck'd by	Survey of Beach Erosion Studies
Map No.	JN 0754.05 Tape Std °F.
Office Work K.R.C.	Surveyed by
Checked	Notes Date
Date	Indexed C. J. GALLI

F. B. 281 Z PG. 273

TIDE GAUGE READING
AUG 31, 1962
DATUM - M.L.L.W.
TIME - P.S.T.

TIME (P.S.T.)	GAUGE READING (M.L.L.W.)
5:00 A.M.	1.0
5:30	1.4
6:00	1.9
6:30	2.2
7:00	2.8
7:30	3.3
8:00	3.8
8:30	4.2
9:00	4.6
9:30	4.7
10:00	4.8
10:30	4.7
11:00	4.5
11:30	4.4

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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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 CE # 310 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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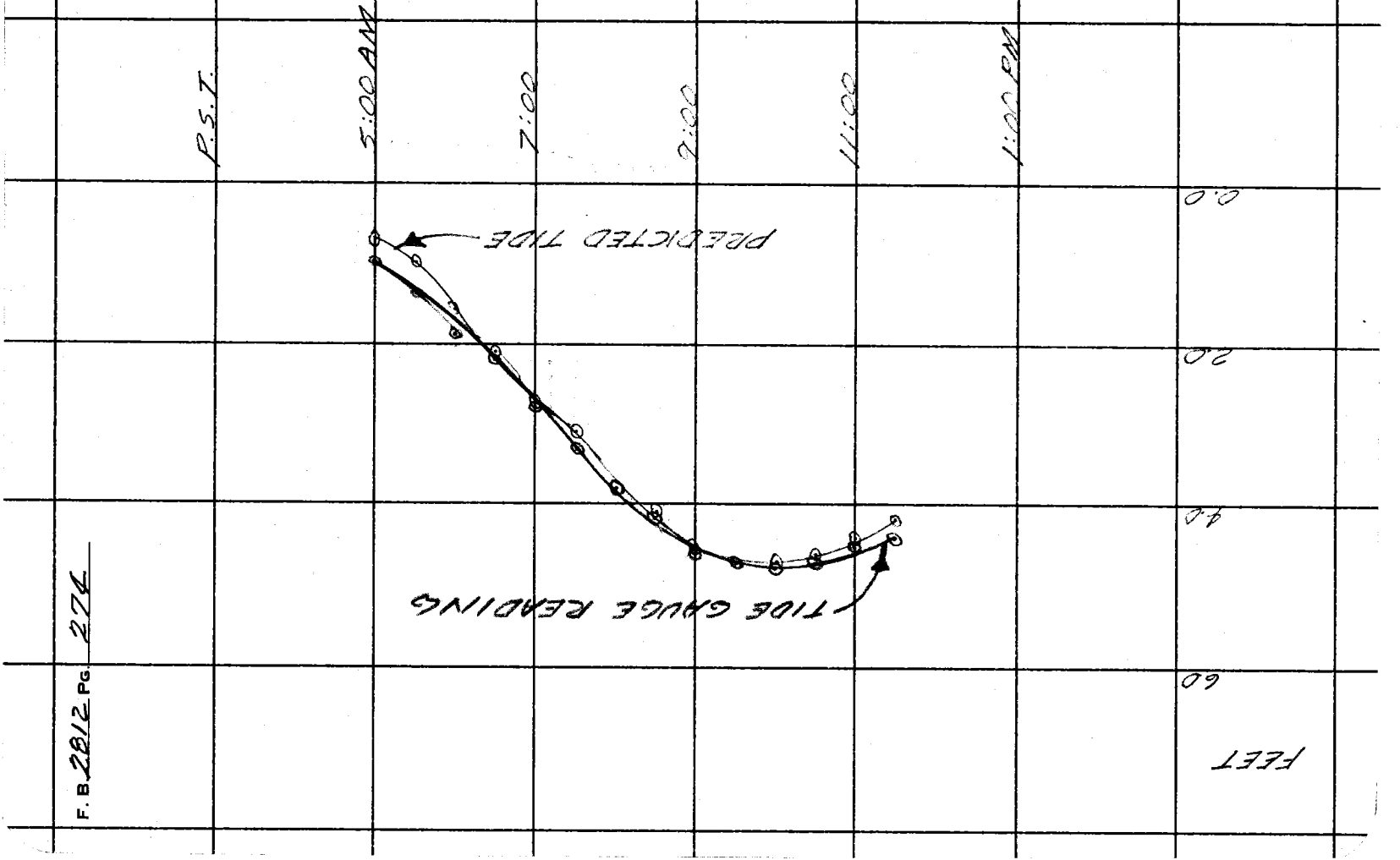
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.



F. B. 2812 PG. 27L

Notes Ck'd by
Man No.
Office Work K.R.C.
Checked
Date

Survey of Beach Erosion Studies
JN 07 29 95 Tape Std °F
Surveyed by
Notes Date
Indexed C. J. GALLI

F. B. 2812 PG. 275

TIDE GAUGE READING
SEPT. 4, 1962
DATUM - M.L.L.W.
TIME - P.S.T.

TIME (P.S.T.)	GAUGE READING (M.L.L.W.)
5:00 AM	
5:30	No Reading on Gauge
6:00	
6:30	
7:00	
7:30	2.5
8:00	2.7
8:30	3.0
9:00	3.3
9:30	3.8
10:00	4.0
10:30	4.2
11:00	4.4
11:30	4.5

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.
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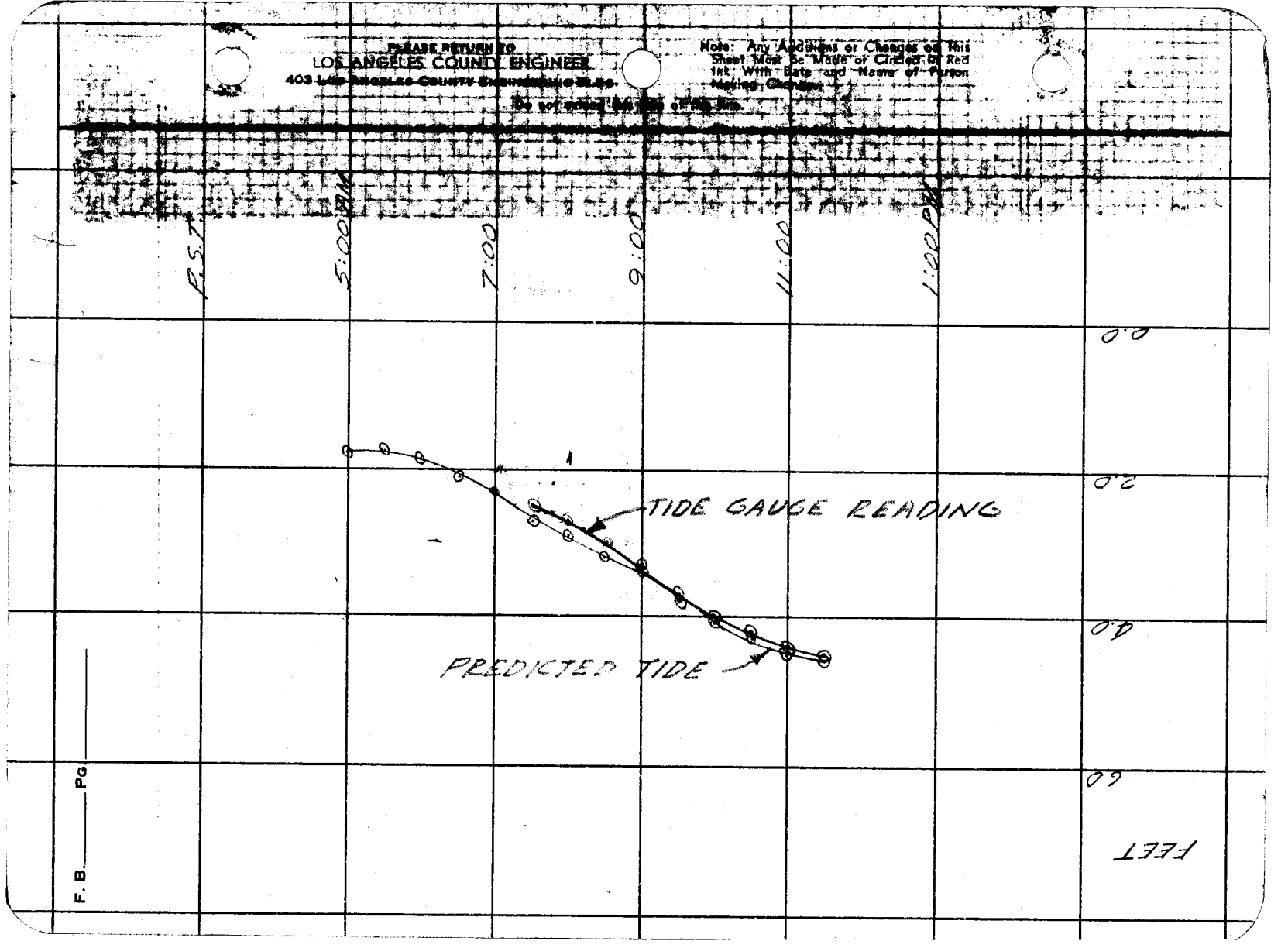
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE # 310 2-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
Do not [illegible] of this Bldg.

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



F. B. _____ Pg. _____