Ck'd by

Work

Survey of Hydro. Survey

JN [illegible] Tape Std °F

Surveyed by Lind

Notes Lind Date 7-66

Indexed H. E. OTT [illegible]

F. B. [illegible] PG. 5

JUL [illegible]

Cont from FB 2809

J.N 0300.02

Redondo Beach to Malaga Cove

Hydrographic Survey

[illegible]: Monstrous Pier Sta [illegible]

[illegible]: Malaga Cove Sta [illegible]

July [illegible], [illegible]

[illegible] Shore — Boat

Lind — Shoe Maker

English — Foulger

[illegible]lleison

Masuda

Robbins

[illegible] Shore — Control

[illegible]chards — Newman

[illegible]sner — Spriggs

[illegible]rrill — N. Smith

Sieaman

[illegible] microfilmed. May [illegible]

F.B. 2800 PG 6

SEE FB 2809

PAGES 96-98

FOR INDEX

NOTE:

TIME RECORDED ON THIS

SURVEY WAS DAY LIGHT

SAVINGS TIME.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
408 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not record this side of this line.
NOTE: Any Additions or Changes on This Sheet Must Be Made on Chart in Red Ink With Date and Name of Person Making Change.

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.

Do not extend notes this side of this line.

9
4.7
4.7

STATION	B. S.	H. I.	F. S.	ELEV.	363+00	
					TRANSIT AT 358+00	SIGHT ON 363+00
363+00		19.50	53	14.2	CONTROL LN.	0° 00'
			44	15.1	3° 45'	TOE SLOPE
			67	12.8	SAND	3° 35'
			87	10.8		5° 50'
			11.4	8.1		8° 00'
T.P.	1.00	9.62	10.88	8.62		
			4.9	4.7	M.H.T.	10° 30'
			8.8	0.8		13° 30'
			9.5	0.1		17° 25'
			10.2	-0.6		21° 35'
			10.8	-1.2		24° 45'
			11.5	-1.9		28° 35'
			13.1	-3.5		31° 50'
			15.0	-5.4		35° 25'
			16.6	-7.0		38° 55'
T.P.	1.05	9.67	1.00	8.62		

MEAN LOWER LOW WATER DATUM

MEAN DATUM

Profile Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11 F.B. 2800 Pg. 7
No. ____ Date ____ Date ____ Survey of RED SEACH HYD. SURVEY
X-Sec. Notes Chkd. ____ Checked R. CLARKE Survey by RICHARDS Notes R. S. Date 7-23-64
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 1800 PG. 8 | 0300.02

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

76-L298 CE 307 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

76L298 307 Cdb 12-62

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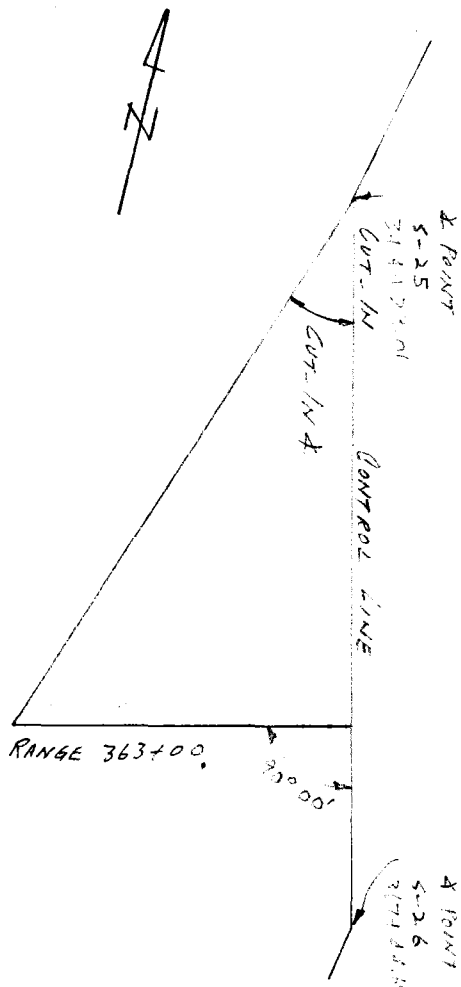
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
5-25	5-26	8:01	1	43.	29.			
			2	43.	02.			
			3	42.	04.			3630106
			4	41.	00.			
			5	39.	47.			
			6	38.	32.			3630107
			7	37.	01.			
			8	35.	25.			
			9	33.	40.			3630108
			10	32.	04.			
			11	30.	04.			
			12	28.	57.			3630109
			13	26.	16.			
			14	24.	01.			
			15	21.	58.			3630110
			16	20.	04.			
			17	17.	54.			
			18	15.	11.			3630111
			19	14.	07.			
			20	12.	47.			

(OVER)



Profile Notes Red_____ Plotted_____ Job No. A3042 Division No. 11 F. B. 2400 Pg. 9

No._____ Date_____ Date_____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd._____ Checked_____ Survey by ENGLISH Notes MASUDA Date JULY 23, 1964

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

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
S-25	S-26		21	11.	32.			3630112
		8:05	[illegible]	0.	[illegible].			
				00.	00.			
				00.	00.			3630113
				00.	00.			
				00.	00.			
				00.	00.			3630114
				90.	00.			
				00.	00.			
				00.	00.			3630104
				00.	00.			
				00.	00.			
				00.	00.			3630105

F. B. 7800 Pg. 10

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

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

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Do not extend notes this side of this line.

97
47
50

STATION	B. S.	H. I.	F. S.	ELEV.	368+00	
					TRANSIT AT 363+00	SIGHT ON 368+00
368+00		9.67	16.0	- 6.3		41° 00'
			12.8	- 3.1		36° 24'
			12.8	- 3.1		30° 45'
			11.8	- 2.1		23° 45'
			11.5	- 1.8		19° 15'
			10.4	- 0.7		16° 50'
			5.0	4.7	M. H. T.	12° 35'
T.P.	11.15	18.87	1.95	7.72		
			8.8	10.1		7° 50'
			5.1	13.8		4° 15'
			3.7	15.2	CONT. LN.	
			3.0	15.9	2° 05'	TOE SLOPE
T.P.	4.75	23.54	0.08	18.79		
T.B.M. #2			2.10	21.44	T.B.M. #2 EL. = 21.32 PER. F.B. 2100-155	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 11
No. ____ Date ____ Date ____ Survey of RED. BEACH HYD. SURVEY
X-Sec. Notes Chkd. ____ Check K. R. CLARKE Survey by RICHARDS Notes R. S. Date 7-23-69
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OIT Date ____

F.B. 2800 PG. 12 | 0300.02

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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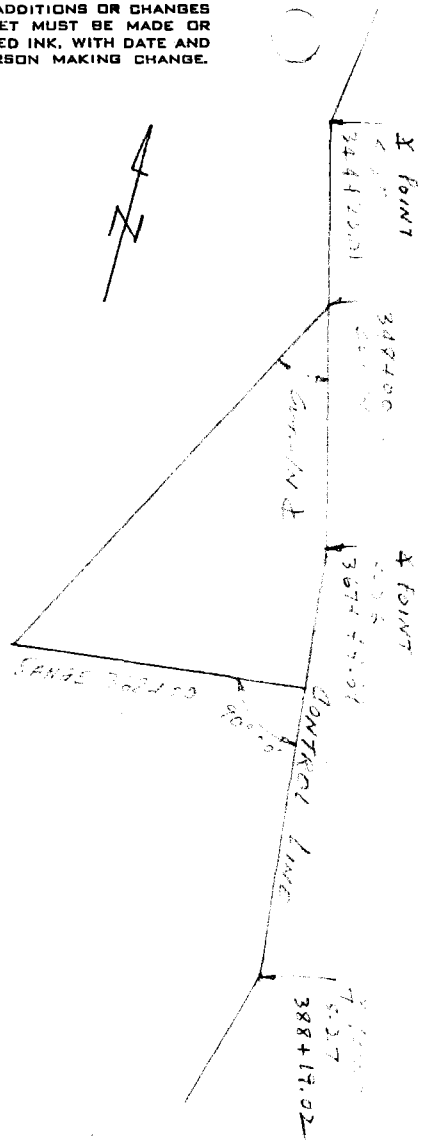
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
348+00	[illegible]	[illegible]	1	48.	09.			
			2	46.	55.			
			3	45.	15.			3680107
			4	43.	45.			
			5	42.	04.			
			6	40.	34.			3680108
			7	38.	44.			
			8	37.	24.			
			9	[illegible]	[illegible]			3680109
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			3680110
			13	[illegible]	[illegible]			
			14	26.	12.			
			15	24.	35.			3680111
			16	23.	22.			
			17	[illegible]	12.			
			18	17.	09.			3680112
			19	15.	04.			
			20	13.	14.			

(OVER)



Profile Notes Red.____ Plotted____ Job No. [illegible] Division No.____ F. B. [illegible] PG. 13

No.____ Date____ Date____ Survey of [illegible] SURVEY

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

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

F. B. 2800 Pg. 14 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

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

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

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
348400	5-26		21	11.	52.			3680113
			22	12.	37.			
			23	9.	17.			
		8:22	24	8.	22.			3680114
				00.	00.			
				00.	00.			
				00.	00.			3680115
				90.	00.			
				00.	00.			
				00.	00.			3680105
				00.	00.			
				00.	00.			
				00.	00.			3680106

76-L298 CE 307 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.

89
47
6.2

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	373+00	
					TRANSIT AT 368+00	SIGHT ON 373+00
T.B.M. #2	2 87	24 19		21 32	T.B.M. #2 EL.= 21.32	PER. F.B. 2100-155
T.P.	3 28	18 62	8.85	15.34		
373+00			34	15.2	6° 50'	TOE SLOPE
			4.0	14.6	CONTROL LN.	0° 00'
			7.5	11.1		4° 20'
			10.4	8.2		7° 05'
T.P.	0.20	8 94	9.88	8.74		
			4.2	4.7	M.H.T.	9° 55'
			8.0	0.9		12° 55'
			10.5	-1.6		14° 30'
			11.0	-2.1		16° 20'
			13.5	-4.6		19° 30'
			10.0	-1.1		23° 30'
			11.5	-2.6		28° 25'
			13.2	-4.3		33° 20'
			14.8	-5.9		35° 05'
			17.5	-8.6		38° 50'

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 15
No. ____ Date ____ Date ____ Survey of RED BEACH HYD. SURVEY
X-Sec. Notes Chkd. ____ Checked K. R. CLARKE Survey by RICHARDS Notes R. S. Date 7-23-64
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OIL Date ____

F.B. 2800 Pg. 16 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

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

STATION	B.S.	H.I.	F.S.	ELEV.
T.P.	0.20	8.94 / 8.96	0.18	8.76

76-L298 CE 307 3-61

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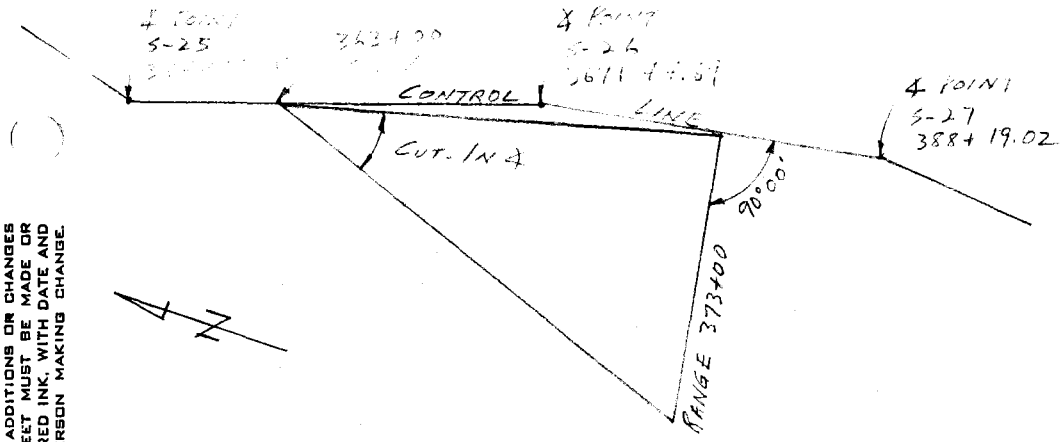
Profile	Notes Red.	Plotted	Job No. [illegible]	Division No. [illegible]	F. B. 2800 Pg. 17
No.	Date	Date	Survey of HYDROGRAPHIC SURVEY		
X-Sec.	Notes Chkd.	Checked	Survey by ENGLISH	Notes MASUDA	Date JULY 23, 1964
No.	Date	Date	Map No.	Indexed H. E. OTT	Date



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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
363+00	373+00	8:57	1	65.	01.			
			2	64.	10.			
			3	63.	03.			3730106
			4	62.	05.			
			5	60.	45.			
			6	59.	37.			3730107
			7	57.	49.			
			8	56.	18.			
			9	54.	13.			3730108
			10	52.	19.			
			11	50.	14.			
			12	48.	36.			3730109
			13	46.	16.			
			14	44.	07.			
			15	41.	26.			3730110
			16	38.	32.			
			17	36.	11.			
			18	33.	21.			3730111
			19	30.	43.			
			20	27.	45.			

(OVER)

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
363400	373400		21	25.	02.			3730112
			22	21.	54.			
			23	18.	42.			
			24	17.	37.			3730113
		9:02	25	16.	24.			
				00.	00.			
				00.	00.			3730114
				00.	00.			
				00.	00.			
				00.	00.			3730115
				85.	84.			
				00.	00.			
				00.	00.			3730104
				00.	00.			
				00.	00.			
				00.	00.			3730105

F. B. 2800 PG. 18

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

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	378+00	
					TRANSIT AT 373+00	SIGHT ON 378+00
378+00		8.96	16.1	- 7.1		37° 30'
			14.1	- 5.1		34° 40'
			12.1	- 3.1		31° 00'
			10.6	- 1.6		27° 00'
			10.0	- 1.0		23° 05'
			9.5	- 0.5		19° 30'
			9.3	- 0.3		16° 30'
			9.3	- 0.3		13° 50'
			7.2	1.8		11° 50'
			4.3	4.7	M.H.T.	9° 00'
T.P.	962	17.70	0.88	8.08		
			6.7	11.0		3° 00'
			4.3	13.4	CONT. LN.	0° 00'
			1.5	16.2	7° 10'	TOE SLOPE

DATUM
MEAN LOWER LOW WATER

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked K. R. CLARKE Date Job No. 0300.02 Division No. 11 Survey of RED BEACH HYD. SURVEY Survey by RICHARDS Notes R.S. Date 7-23-64 Map No. Indexed H. E. OTT Date F.B. 600 Pg. 19

F.B. 2200 Pg. 20 | Job No. 03000 Z Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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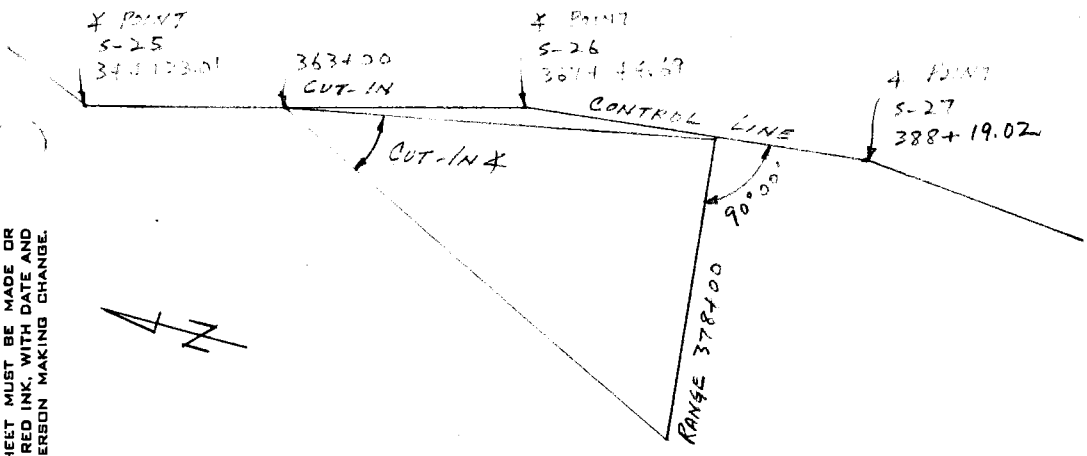
F. B. 2800 Pg. 21

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

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

Notes Chkd. _____ Checked _____ Survey by ENGLISH Notes [illegible] Date [illegible]

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



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PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
363+00	378+00	9:10	1	48.	12.			
			2	47.	12.			
			3	45.	20.			3780106
			4	43.	52.			
			5	42.	32.			
			6	40.	53.			3780107
			7	38.	44.			
			8	36.	44.			
			9	34.	34.			3780108
			10	32.	24.			
			11	29.	49.			
			12	27.	38.			3780109
			13	26.	01.			
			14	23.	23.			
			15	21.	43.			3780110
			16	19.	04.			
			17	16.	56.			
			18	15.	03.			3780111
			19	14.	02.			
			20	13.	45.			

(OVER)

76L298 307 Cdb 12-62

F. B. 2800 PG. 22 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEY Date _____ Date _____ No. _____

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

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

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
363400	378400	9:14	21	11.	17.			3780112
				00.	00.			
				00.	00.			
				00.	00.			3780113
				87.	16.			
				00.	00.			
				00.	00.			3780104
				00.	00.			
				00.	00.			
				00.	00.			3780105

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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	383+00	
					TRANSIT AT 378+00	SIGHT ON 383+00
383+00		17.70	1.0	16.70	5° 30'	TOE SLOPE
			4.2	13.5	CONT. LN.	0° 00'
			7.5	10.2		4° 35'
			10.5	7.2		7° 05'
T.P.	0.93	8.68	9.95	7.75		
			4.0	4.7		9° 35'
			7.0	1.7		12° 25'
			9.2	-0.5		13° 05'
			8.8	-0.1		16° 30'
			9.3	-0.6		21° 35'
			10.0	-1.3		25° 10'
			11.1	-2.4		28° 30'
			12.4	-3.7		32° 05'
			14.6	-5.9		36° 40'
			16.1	-7.4		38° 30'
T.P.	0.45	8.21	0.92	7.76		° '
						° '

DATUM

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 73
Date ____ Date ____ Survey of RED BEACH HYD. SURVEY
X-Sec. No. ____ Notes Chkd. ____ Check K. R. CLARKE Survey by RICHARDS Notes R.S. Date 7-23-64
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2300 Pg. 24 | 030002

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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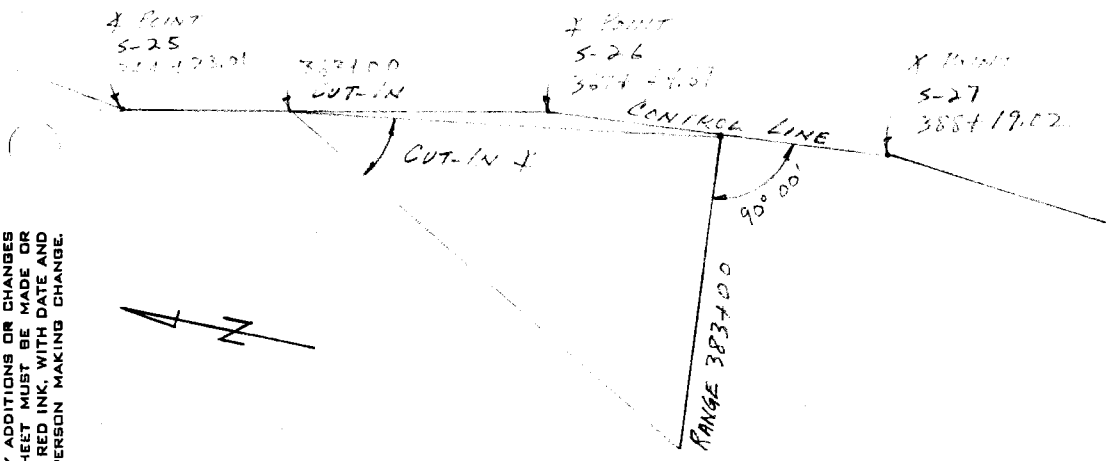
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Profile No. _____ Notes Red. _____ Date _____ Plotted _____ Date _____ Job No. 2500.02 Division No. 11

X-Sec. No. _____ Notes Chkd. _____ Date _____ Checked _____ Date _____ Survey of HYDROGRAPHIC SURVEY Survey by ENGLISH Notes MASUDA Date JULY 23, 1964 Map No. _____ Indexed H. E. OTT Date _____

F. B. 2800 Pg. 25



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
363+00	383+00	9:22	1	43.	03.			
			2	41.	51.			
			3	40.	17.			3830106
			4	38.	51.			
			5	37.	02.			
			6	35.	14.			3830107
			7	33.	27.			
			8	32.	09.			
			9	30.	32.			3830108
			10	28.	35.			
			11	26.	42.			
			12	24.	19.			3830109
			13	22.	46.			
			14	20.	42.			
			15	17.	49.			3830110
			16	16.	45.			
			17	14.	48.			
			18	13.	03.			3830111
			19	11.	28.			
			20	9.	48.			

(OVER)

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
363400	383400	9:26	21	8.	07.			3830112
				00.	00.			
				00.	00.			
				00.	00.			3830113
				87.	57.			
				00.	00.			
				00.	00.			3830104
				00.	00.			
				00.	00.			
				00.	00.			3830105

F. B. 7800 PG. 24

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

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	388+00	
					TRANSIT AT 383+00	SIGHT ON 388+00
388+00		8.21	15.5	- 7.3		41° 40'
			12.5	- 4.3		37° 00'
			10.2	- 2.0		31° 10'
			8.7	- 0.5		24° 00'
			8.3	- 0.1		19° 30'
			8.2	0.0		15° 00'
			3.5	4.7	M.H.T.	12° 00'
			0.4	7.8		8° 45'
T.P.	11.05	19.26 ~~18.26~~	0.00	8.21		
			8.9	10.4 ~~9.4~~		4° 10'
			6.8	12.5 ~~11.5~~	CONT. LN	0° 00'
T.P.			3.50	15.76	N. Edge BOT. STEP	150' ± S. of S-27

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2300 Pg. 21
No. ____ X-Sec. ____ Date ____ Date ____ Checked K. R. CLARKE Survey of REDONDO BEACH HYD. SURVEY
Notes Chkd. ____ Survey by RICHARD SNYDER Noted R. S. Date 7-23-64
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2300 PG. 28 | 0300.02

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

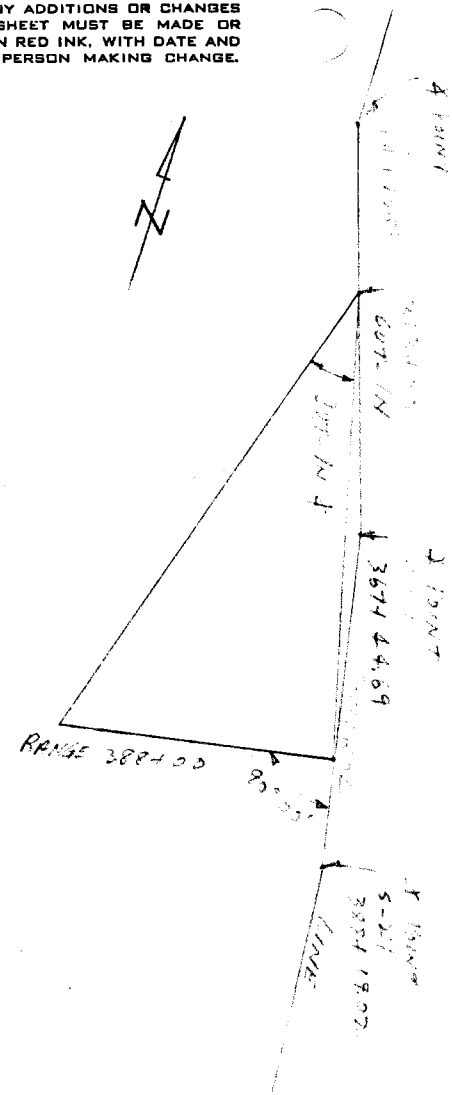
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
3634+00	3884+00	9:35	1	38.	46.			
			2	37.	31.			
			3	36.	22.			3880106
			4	35.	27.			
			5	33.	58.			
			6	32.	34.			3880107
			7	31.	18.			
			8	29.	49.			
			9	28.	35.			3880108
			10	27.	14.			
			11	25.	41.			
			12	24.	20.			3880109
			13	22.	52.			
			14	21.	44.			
			15	19.	28.			3880110
			16	17.	43.			
			17	15.	59.			
			18	14.	17.			3880111
			19	12.	58.			
			20	11.	36.			

(OVER)



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of HYDROGRAPHIC SURVEY Date

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

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

F. B. Pg.

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
363+00	388+00		21	10.	27.			3880112
			22	9.	31.			
			23	8.	39.			
			24	7.	37.			3880113
			25	7.	27.			
		[illegible]	26	6.	50.			
				00.	00.			3880114
				00.	00.			
				00.	00.			
				00.	00.			3880115
				88.	22.			
				00.	00.			
				00.	00.			3880104
				00.	00.			
				00.	00.			
				00.	00.			3880105

F. B. 7900 Pg. 70

Job No. 8300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

6.5
4.7
1.8

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	393+19	
					TRANSIT AT 398+19	SIGHT ON 393+19
T. P.	030	16.06		15.76	T.P., N. EDGE, BOT. STEP, PED. RAMP. 150' ± S. OF S-27	
393+19			5.0	11.1	0° 00'	CONT. LN.
			2.6	13.5	TOE SLOPE	2° 10'
			8.5	7.6	4° 00'	
			12.1	4.0	7° 55'	
T.P.	222	6.53	11.75	4.31		
			1.8	4.7	7° 05'	M.H.T.
			5.5	1.0	12° 20'	
			6.5	0.0	15° 00'	
			7.1	-0.6	18° 10'	
			8.1	-1.6	24° 35'	
			9.1	-2.6	27° 55'	
			11.3	-4.8	32° 35'	
			13.3	-6.8	36° 50'	
			15.0	-8.5	40° 30'	

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 2320 Pg. 41
X-Sec. No. ____ Date ____ Date ____ Survey of RED. BEACH HYD. SURVEY
Notes Chkd. ____ Checked R. CLARKE Survey by RICHARDS Notes R.S. Date 7-24-69
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2800 Pg. 32 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

Profile No. _____ Notes Red. _____ Date _____ Plotted _____ Date _____

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

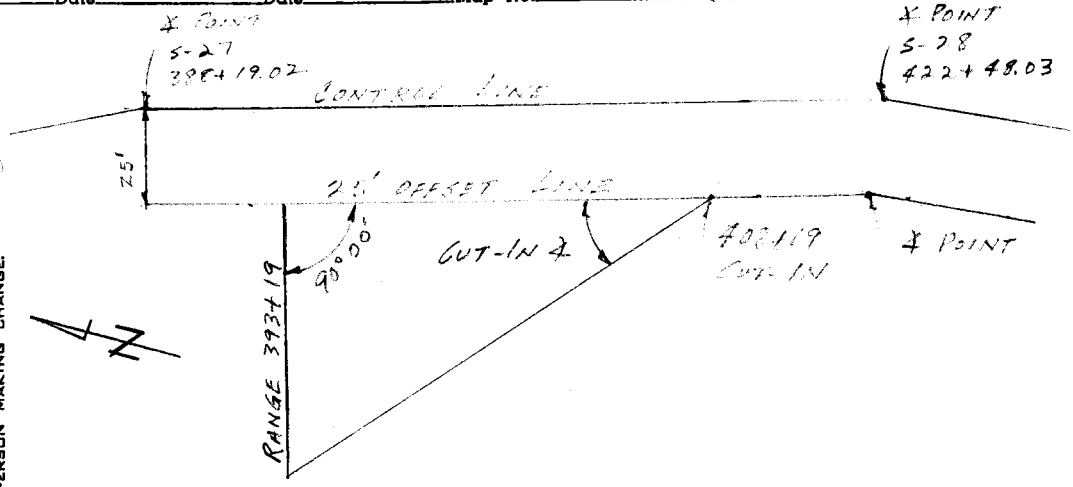
Job No. 0300.02 Division No. 11

Survey of HYDROGRAPHIC SURVEY

Survey by ENGLISH Notes MASUDA Date JULY 24, 1964

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

F. B. 2900 Pg. 33



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
408+19	393+19	6:07	1	56.	54.			
			2	56.	07.			
			3	55.	12.			3932006
			4	53.	51.			
			5	52.	28.			
			6	51.	24.			3932007
			7	50.	02.			
			8	48.	36.			
			9	47.	29.			3932008
			10	45.	47.			
			11	44.	24.			
			12	42.	44.			3932009
			13	40.	49.			
			14	38.	52.			
			15	37.	12.			3932010
			16	35.	14.			
			17	33.	22.			
			18	31.	39.			3932011
			19	29.	55.			
			20	28.	25.			

(OVER)

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
408+19	393+19		21	25.	[illegible]			3932012
			22	25.	37.			
			23	22.	28.			
			24	22.	23.			3932013
			25	[illegible]	[illegible]			
			26	[illegible]	[illegible]			
			27	[illegible]	[illegible]			3932014
		6:11	28	13.	[illegible]			
				00.	00.			
				00.	00.			3932015
				00.	00.			
				00.	00.			
				00.	00.			3932016
				90.	00.			
				00.	00.			
				00.	00.			3932017
				00.	00.			
				00.	00.			
				00.	00.			3932018

F. B. 7800 PG. 34 Job No. 0300.02 Division No. 11 Notes Red. Plotted No. Profile

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked

Indexed H. E. OTT Date Date Date No.

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	398+19	
					TRANSIT AT 393+19	SIGHT ON 398+19
398+19		6.53	17.1	-10.6		46° 45'
			15.8	-9.3		40° 35'
			14.8	-8.3		37° 05'
			13.0	-6.5		34° 25'
			11.3	-4.8		31° 35'
			9.5	-3.0		28° 20'
			8.2	-1.7		25° 00'
			7.2	-0.7		20° 50'
			6.8	-0.3		17° 10'
			6.4	0.1		11° 50'
			3.7	2.8		7° 30'
			1.8	4.7	M.H.T.	5° 20'
T.P.	1280	1713	2.20	4.33		
			9.8	7.3		3° 05'
			7.6	9.5	25' off.	0° 00'
			5.2	11.9	2° 55'	CONT. LN.
T.P.	805	2388	1.30	15.83		
T.B.M.#1			1.90	22.00 ~~21.98~~	T.B.M.#1 EL: 22.00 Per F.B. 2100-154	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2400 Pg. 35
No. ____ Date ____ Date ____ Survey of RED BEACH HYD. SURVEY
X-Sec. Notes Chkd. ____ Checked K. R. CLARKE Survey by RICHARDS Notes R.S. Date 7-24-
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2800 PG. 36 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

7. - 8 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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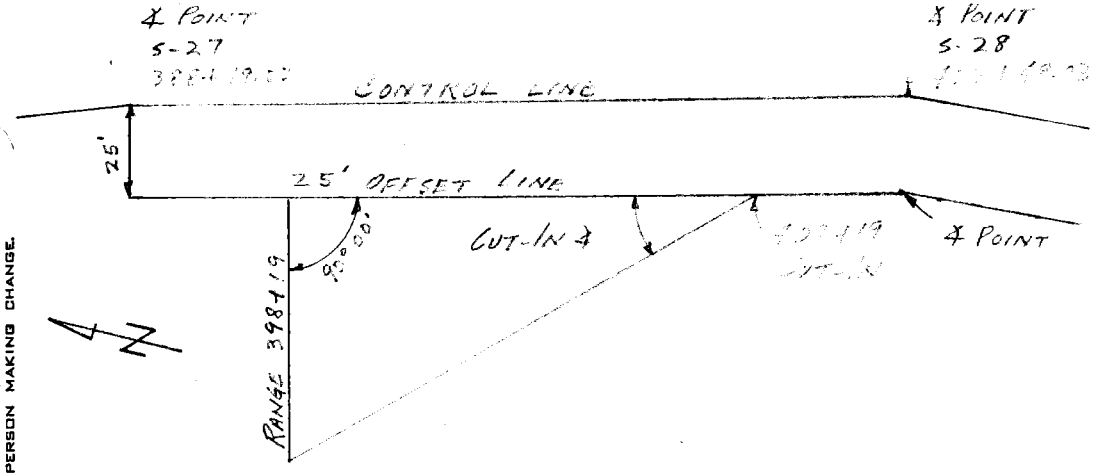
Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 | F. B. 2900 Pg. 37

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

Survey by ENGLISH Notes MASUDA Date JULY 24, 1964

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



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
[illegible]	[illegible]	6:20	[illegible]	67.	53.			
			[illegible]	67.	16.			
			[illegible]	66.	30.			3982006
			[illegible]	66.	07.			
			[illegible]	65.	21.			
			[illegible]	64.	26.			3982007
			[illegible]	63.	21.			
			[illegible]	62.	24.			
			[illegible]	61.	21.			3982008
			[illegible]	60.	14.			
			[illegible]	59.	00.			
			[illegible]	57.	32.			3982009
			[illegible]	56.	35.			
			[illegible]	54.	47.			
			[illegible]	53.	02.			3982010
			[illegible]	51.	13.			
			[illegible]	48.	50.			
			[illegible]	46.	56.			3982011
			[illegible]	44.	38.			
			[illegible]	[illegible]	[illegible]			

(OVER)

76L298 307 Cdb 12-62

F. B. 2800 PG. 38 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME D.S.T. 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.
408+19	398+19		21	39.	51.			3982012
			22	35.	55.			
			23	34.	55.			
			24	31.	15.			3982013
			25	25.	41.			
			26	25.	37.			
			27	24.	40.			3982014
			28	23.	25.			
			29	21.	35.			
		6:26	30	19.	27.			3982015
				00.	00.			
				0.0.	00.			
				00.	00.			3982016
				90.	00.			
				00.	00.			
				00.	00.			3982017
				00.	00.			
				00.	00.			
				00.	00.			3982018

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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	403+19	
					TRANSIT AT 398+19	SIGHT ON 403+19
T.B.M. #1	1.02	23.02		22.00	T.B.M. #1 EL: 22.00	Per F.B. 2100-154
403+19			9.9	13.1	3° 25'	CONT. LN.
			12.8	10.2	1° 40'	BRK.
			13.9	9.1	25' off	0° 00'
			16.2	6.8		3° 10'
T.P.	0.35	7.57	15.80	7.22		
			2.9	4.7		5° 10'
			6.0	1.6		9° 15'
			7.3	0.3		13° 25'
			8.0	-0.4		20° 15'
			8.8	-1.2		26° 15'
			10.4	-2.8		31° 20'
			13.3	-5.7		37° 35'
			15.0	-7.4		40° 35'

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 PG. 49
X-Sec. No. ____ Date ____ Date ____ Survey of RED. BEACH HYD. SURVEY
Notes Chkd. ____ Check K. R. CLARKE Survey by RICHARDS Notes K.S. Date 7-24-64
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2800 Pg. 40 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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

Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

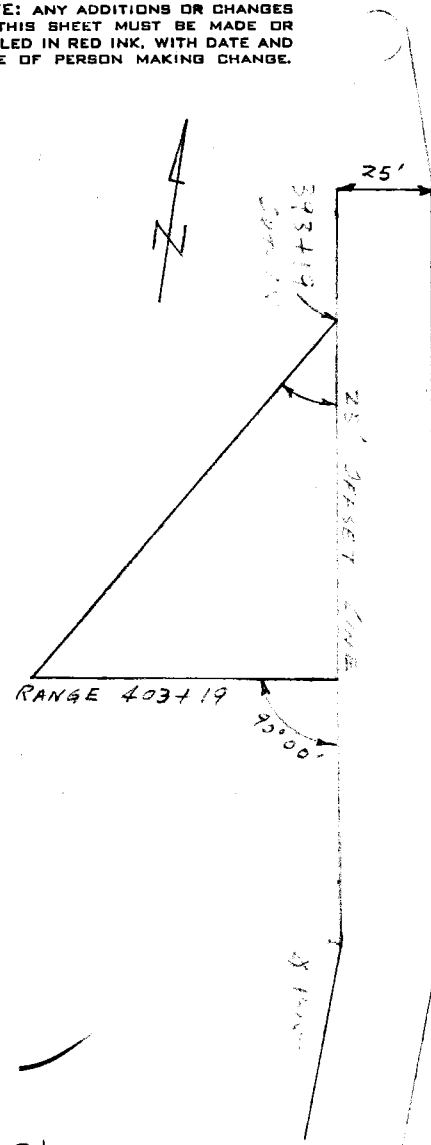
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
393+19	403+19	6:41	1	71.	34.			
			2	72.	55.			
			3	72.	14.			4032008
			4	69.	42.			
			5	68.	58.			
			6	68.	21.			4032009
			7	67.	23.			
			8	66.	27.			
			9	65.	21.			4032010
			10	64.	49.			
			11	63.	21.			
			12	62.	57.			4032011
			13	61.	48.			
			14	60.	35.			
			15	59.	17.			4032012
			16	57.	35.			
			17	55.	54.			
			18	54.	19.			4032013
			19	52.	34.			
			20	50.	38.			



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

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

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

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

F. B. 2300 Pg. 41

(OVER)

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time D.S.T.	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
403419	403419		21	[illegible]	[illegible]			4032014
			22	[illegible]	[illegible]			
			23	[illegible]	20.			
			24	[illegible]	[illegible]			4032015
			25	35.	48.			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			4032016
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			4032017
				[illegible]	[illegible]			
		[illegible]	[illegible]	[illegible]	[illegible]			
				00.	00.			4032018
				00.	00.			
				00.	00.			
				00.	00.			4032019

F. B. 7200 Pg. 41 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date No. X-Sec.

Survey by H. E. OTT Notes Chkd. Checked

Indexed Notes Date Date No.

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.

2.9

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	408+19	
					TRANSIT AT 403+19	SIGHT ON 408+19
408+19		7.57	15.9	- 8.3		42° 45'
			15.5	- ~~8.4~~ 7.9		39° 10'
			13.4	- 5.8		34° 50'
			10.4	- 2.8		29° 40'
			8.3	- 0.7		24° 20'
			7.2	0.4		16° 40'
			6.0	1.6		10° 25'
			2.9	4.7	M.H.T.	4° 50'
T.P.	B 35	13 72	2.20	5.37		
			5.2	8.5	25' off.	0° 00'
			2.8	10.9	2° 40'	CONT. LN.

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11
No. ____ Date ____ Date ____ Survey of RED BEACH HYR. SURVEY
X-Sec. ____ Notes Chkd. ____ Checked A. R. CLARKE Survey by ____ Notes ____
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____ Date ____

F.B. 7800 Pg. 43

F.B. 2800 Pg. 44 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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

Do not extend notes this side of this line.

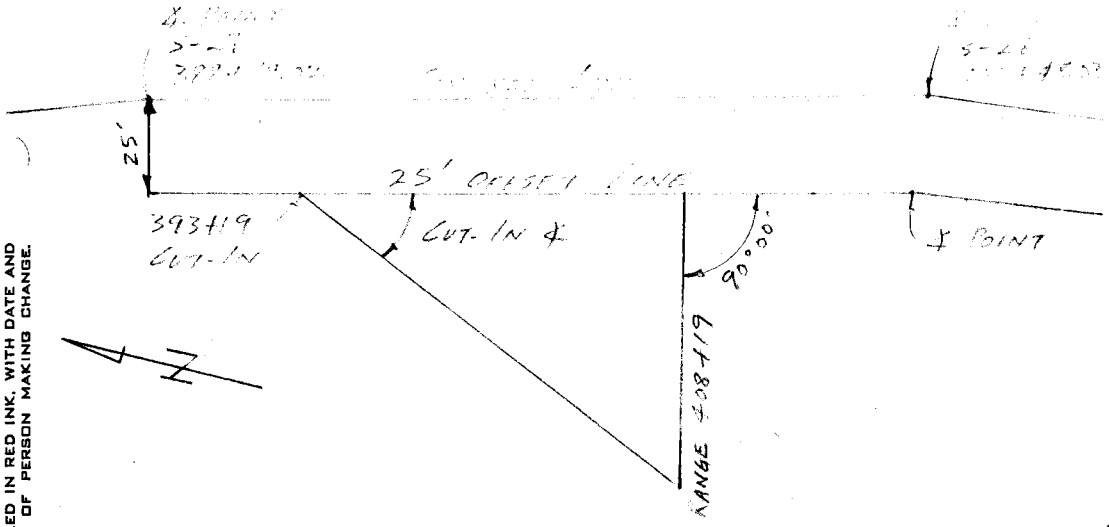
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 11 | F. B. 2900 Pg. 45

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

Notes Chkd. _____ Checked _____ Survey by ENGLISH Notes MASUDA Date [illegible]

Date _____ Date _____ Map No. _____ Indexed H. E. OIT Date _____



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
[illegible]	408+19	6:55	1	64.	40.			
			2	64.	14.			
			3	63.	02.			408 20 08
			4	62.	24.			
			5	61.	32.			
			6	61.	00.			408 20 09
			7	60.	08.			
			8	59.	07.			
			9	58.	18.			408 20 10
			10	57.	24.			
			11	56.	12.			
			12	54.	15.			408 20 11
			13	53.	31.			
			14	52.	16.			
			15	50.	42.			408 20 12
			16	49.	50.			
			17	47.	38.			
			18	46.	04.			408 20 13
			19	44.	36.			
			20	42.	58.			

(OVER)

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
393+19	408+19		21	[illegible]	[illegible]			4082014
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			4082015
			[illegible]	33.	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	2[illegible].	3[illegible].			4082016
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
			[illegible]	21.	43.			4082017
			[illegible]	19.	36.			
		7:02	32	17.	31.			
			[illegible]	—	—			
			34	1[illegible].	36.			4082018
			[illegible]	15.	38.			
			[illegible]	13.	4[illegible].			
		7:03	[illegible]	12.	3[illegible].			4082019
				00.	00.			
				00.	00.			
				00.	00.			4082020

F. B. 2800 PG. 44 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

76-L298 CE 307 3-61

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

13.7
4.7
9.0

7.2
4.7
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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	413 +19	
					TRANSIT AT 408+19	SIGHT ON 413+19
413+19		13 72	6.0	7.7	25' off	0° 00'
			3.3	10.4	2° 50'	CONT. LN.
			9.0	4.7	M.H.T.	5° 05'
T.P.	212	7.24	8.60	5.12		
			4.6	2.6		9° 25'
			5.7	1.5		13° 35'
			6.4	0.8		17° 25'
			7.3	-0.1		22° 25'
			8.5	-1.3		27° 50'
			10.8	-3.6		33° 15'
			13.2	-6.0		37° 55'
			14.8	-7.6		41° 20'
			15.5	-8.3		44° 50'

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 47
No. ____ Date ____ Date ____ Survey of RED BENCH HYD. SURVEY
X-Sec. Notes Chkd. ____ Checked K. R. CLARKE Survey by RICHARDS Notes R.S. Date 7-24-64
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2800 PG. 46 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

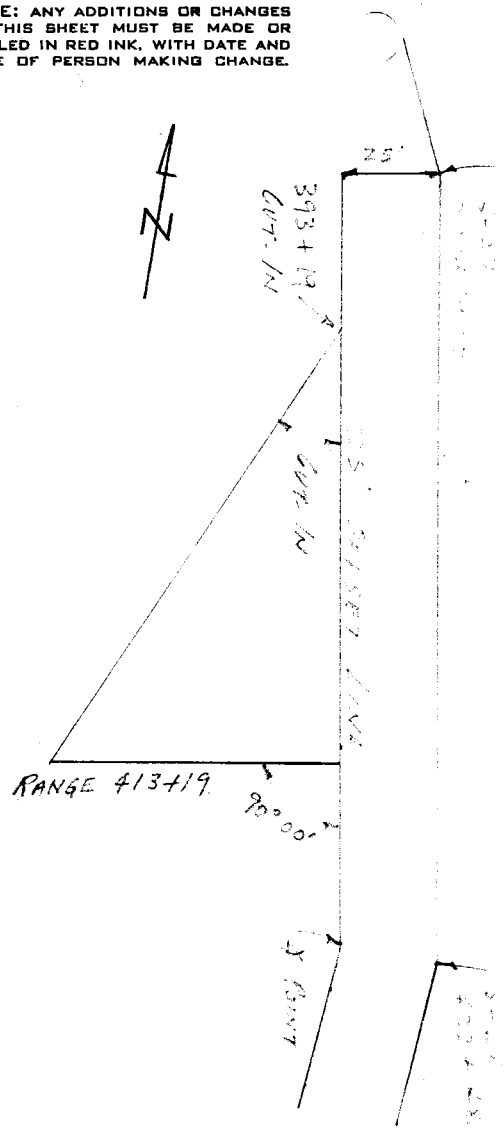
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
413419	413419	7:14	1	53.	54.			
			2	52.	47.			
			3	51.	38.			4132008
			4	50.	38.			
			5	49.	39.			
			6	48.	32.			4132009
			7	47.	02.			
			8	46.	00.			
			9	44.	47.			4132010
			10	43.	43.			
			11	42.	12.			
			12	40.	34.			4132011
			13	38.	55.			
			14	37.	19.			
			15	35.	39.			4132012
			16	33.	45.			
			17	32.	14.			
			18	30.	29.			4132013
			19	28.	32.			
			20	26.	21.			



(OVER)

Profile Notes Red. ____ Plotted ____ Job No. 03000 Division No. 11 F. B. 7320 Pg. 49

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
393+19	413+19		21	[illegible]	[illegible]			4132014
			22	[illegible]	[illegible]			
			23	[illegible]	[illegible]			
			24	[illegible]	[illegible]			4132015
			25	15.	22.			
			26	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			4132016
			[illegible]	[illegible]	[illegible]			
		7:19	[illegible]	[illegible]	[illegible]			
				00.	00.			4132017
				00.	00.			
				00.	00.			
				00.	00.			4132018
				90.	00.			
				00.	00.			
				00.	00.			4132006
				00.	00.			
				00.	00.			
				00.	00.			4132007

F. B. 2800 Pg. 60

Job No. 0300-02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	418+19	
					TRANSIT AT 413+19	SIGHT ON 418+19
418+19		7 24	15.0	- 7.8		41° 55'
			13.5	- 6.3		38° 50'
			12.8	- 5.6		34° 50'
			9.6	- 2.4		29° 35'
			7.8	- 0.6		24° 10'
			6.5	0.7		18° 10'
			5.7	1.5		14° 00'
			4.5	2.7		9° 35'
			2.5	4.7	M.H.T	5° 00'
			0.2	7.0	25' off	0° 00'
T.P.	1 20	7.96 ~~8.06~~	0.48	6.76 ~~6.86~~		

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 PG. 50
No. ____ Date ____ Date ____ Survey of RED BEACH HYD. SURVEY
X-Sec. Notes Chkd. ____ Check K. R. CLARKE Survey by RICHARDS Notes K. S. Date 7-24-64
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2200 Pg. 52 | 0300.02 Job No. Division No. 11 Notes Red Plotted Profile

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

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

Indexed Date Date Date No.

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

76-L298 CE 307 3-61

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

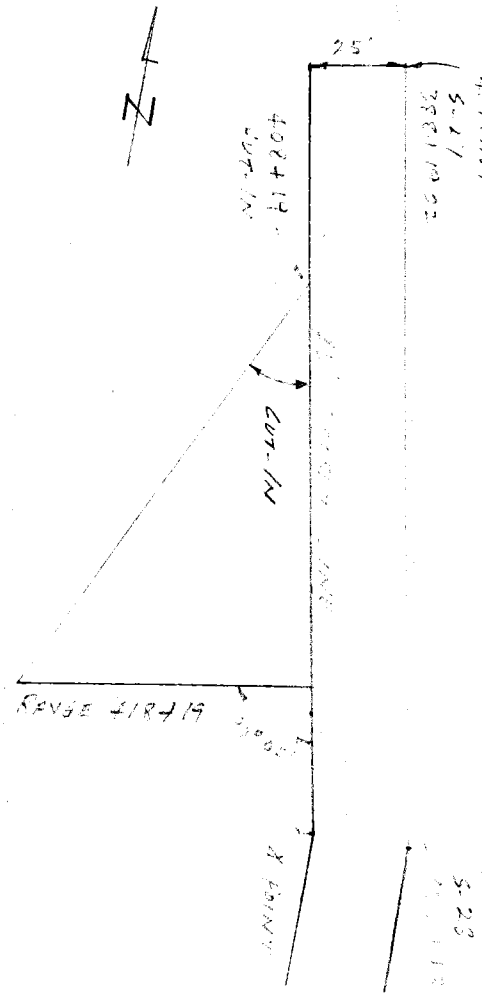
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
408+19	418+19	7:36	1	73.	09.			
			2	72.	24.			
			3	72.	01.			4182008
			4	71.	51.			
			5	71.	21.			
			6	70.	55.			4182009
			7	70.	16.			
			8	69.	57.			
			9	69.	41.			4182010
			10	68.	10.			
			11	67.	35.			
			12	66.	33.			4182011
			13	65.	41.			
			14	64.	37.			
			15	63.	16.			4182012
			16	62.	25.			
			17	60.	27.			
			18	58.	55.			4182013
			19	57.	13.			
			20	55.	30.			

(OVER)



Profile Notes Red. Plotted Job No. Division No. 11 F. B. 2260 Pg. 53

No. Date Date Survey of HYDROGRAPHIC SURVEY

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
4184 9	4184 9		21	53.	50.			4182014
			22	52.	06.			
			23	50.	15.			
			24	47.	[illegible]			4182015
			25	[illegible]	[illegible]			
			26	[illegible]	[illegible]			
				[illegible]	[illegible]			4182016
				[illegible]	[illegible]			
				34.	[illegible]			
			30	[illegible]	[illegible]			4182017
			31	[illegible]	[illegible]			
			32	[illegible]	[illegible]			
			33	[illegible]	[illegible]			4182018
			34	[illegible]	[illegible]			
		7:43		[illegible]	50.			
				00.	00.			4182019
				00.	00.			
				00.	00.			
				00.	00.			4182020

F. B. 2800 PG. 44

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

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	423 +19	
					TRANSIT AT 428+19	SIGHT ON 423+19
423+19		~~8.06~~ 7.96	+0.5	8.5	0° 20'	TOE SLOPE
			3.4	4.~~7~~6	7° 00'	
			5.0	3.~~1~~0	10° 55'	
			6.0	2.~~1~~0	15° 20'	
			7.2	0.~~4~~8	20° 40'	
			8.3	-0.~~2~~3	25° 45'	
			9.5	-1.~~4~~5	30° 10'	
			11.5	-3.~~4~~5	34° 50'	
			13.0	-~~4.9~~ 5.0	37° 25'	
			14.5	-6.~~4~~5	41° 20'	
			14.0	-~~5.9~~ 6.0	45° 15'	
T.P.	1 65	~~8.71~~ 8.61	1.00	~~7.06~~ 6.96		

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 55
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked K. R. CLARKE Date ____ Survey of RED BEACH HYD. SURVEY
Survey by RICHARDS Notes K. S. Date 7-24-64
Map No. ____ Date ____ Indexed H. E. OTT Date ____

F. B. 1800 Pg. 56 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-81

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76L298 307 Cdb 12-62

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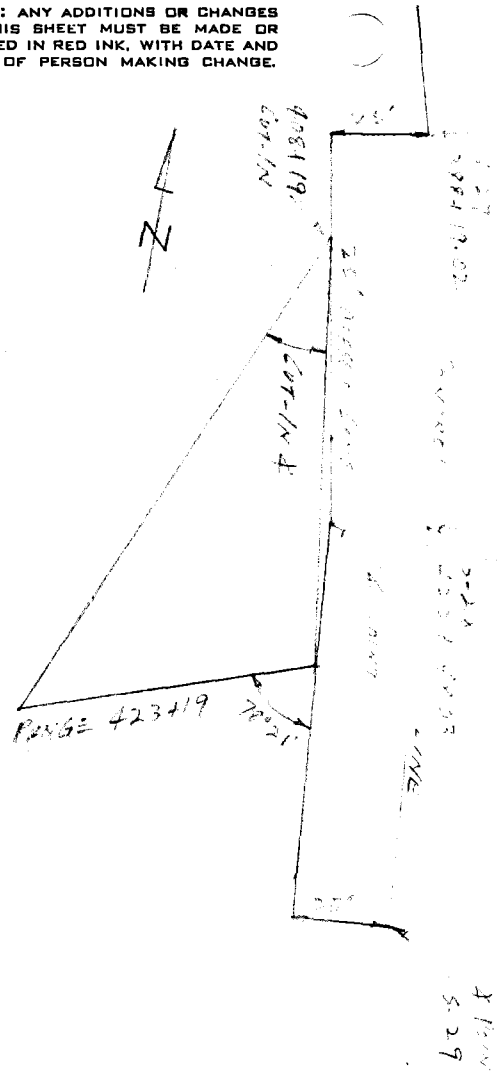
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
408+19	423+19	7:55	1	62.	57.			
			2	62.	15.			
			3	61.	42.			4232008
			4	60.	45.			
			5	60.	02.			
			6	59.	10.			4232009
			7	58.	11.			
			8	57.	07.			
			9	55.	59.			4232010
			10	54.	43.			
			11	53.	31.			
			12	52.	09.			4232011
			13	50.	57.			
			14	49.	39.			
			15	48.	11.			4232012
			16	46.	40.			
			17	44.	52.			
			18	43.	20.			4232013
			19	41.	19.			
			20	39.	16.			

(OVER)



Profile Notes Red. Plotted Job No. Division No. F. B. 2800 Pg. 57

No. Date Date Survey of

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

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

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
408+19	423+19		21	37.	21.			4232014
			22	35.	27.			
			23	33.	23.			
			24	31.	27.			4232015
			25	28.	48.			
			26	26.	18.			
			27	24.	06.			4232016
			28	[illegible]	[illegible]			
			29	[illegible]	[illegible]			
			30	18.	41.			4232017
			31	[illegible]	[illegible]			
			32	[illegible]	[illegible]			
			[illegible]	12.	58.			4232018
		8:02	34	—				
				00.	00.			
				00.	00.			
				00.	00.			4232019

F. B. 28 ae PG. 58

Job No. 0300-02 Division No. [illegible] Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed H. E. OTT Date Date Date No.

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	428+19	
					TRANSIT AT 423+19	SIGHT ON 428+19
428+19		~~8.71~~ 8.61	14.2	- 5.~~5~~ 6		34° 45'
			12.8	- 4.~~1~~ 2		31° 15'
			10.4	- 1.~~7~~ 8		26° 40'
			8.9	- 0.~~2~~ 3		20° 40'
			7.3	1.~~4~~ 3		15° 40'
			6.3	2.~~4~~ 3		10° 40'
			4.0	4.~~7~~ 6	M.H.T.	4° 00'
			2.7	~~6.0~~ 5.9	25' off	0° 00'
			0.0	8.~~7~~ 6	2° 55'	CONT. LN.
T.P.	4.15	11 ~~21~~ 11	1.65	~~7.06~~ 6.96		
T.P.	3.88	11 ~~31~~ 21	3.78	7.~~43~~ 33		
T.P.	10.00	19 ~~78~~ 68	1.53	9.~~78~~ 68		
T.P.	7.58	24 ~~91~~ 81	2.45	17.~~33~~ 23		
T.B.M. #1			2.82	~~22.09~~ 21.99	T.B.M. #1 EL = 22.00 PER F.B 2100-154	

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0700.02 Division No. 11 F.B. 2800 Pg. 79
No. ____ Date ____ Date ____ Survey of RED BEACH HYD. SURVEY
X-Sec. Notes Chkd. ____ Check K. R. CLARKE Survey by RICHARDS Notes R.S. Date 7-24-64
No. ____ Date ____ Date ____ Map No. ____ Indexed E. OTT Date ____

F.B. 2800 Pg. 60 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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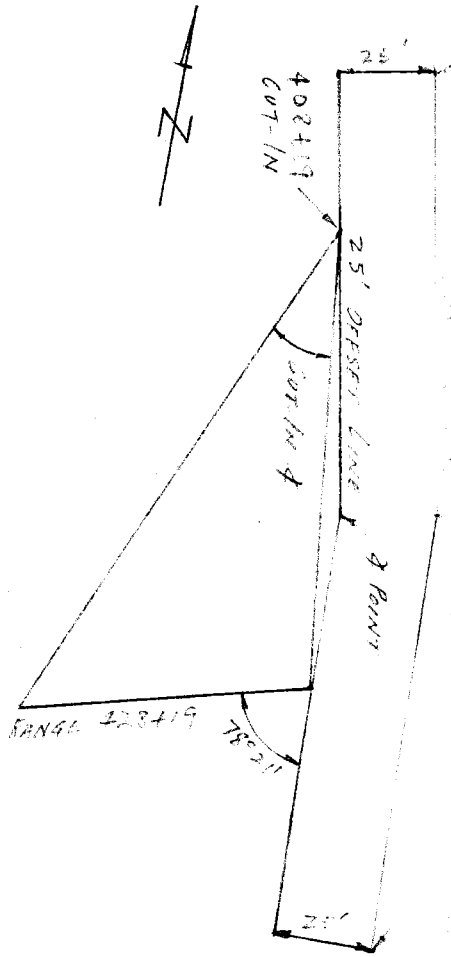
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
428+19	428+19	[illegible]	1	[illegible]	19.			
			2	54.	30.			
			3	53.	44.			4282008
			4	53.	04.			
			5	51.	55.			
			6	50.	44.			4282009
			7	49.	46.			
			8	[illegible]	34.			
			9	[illegible]	[illegible]			4282010
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			4282011
			13	[illegible]	27.			
			14	[illegible]	[illegible]			
			15	[illegible]	18.			4282012
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			4282013
			19	[illegible]	[illegible]			
			20	[illegible]	6.			



(OVER)

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 2800 Pg. 61

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

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

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

F. B. 28 00 PG. 6N Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEY Date _____ Date _____ No. _____

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

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME D.S.T.	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	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					
408+19	428+19		21	30.	15.			4282014
			22	28.	27.			
			23	26.	24.			
			24	24.	50.			4282015
			25	22.	32.			
			26	20.	32.			
			27	18.	47.			4282016
			28	16.	28.			
			29	15.	24.			
			30	13.	21.			4282017
			31	11.	34.			
			32	9.	15.			
		800	33	8.	31.			4282018
				00.	00.			
				00.	00.			
				00.	00.			4282019

Notes Ck'd by	Survey of Hydrographic Survey
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by C. K. Lind
Checked	Notes Uharrie Date 7-21-64
Date	Indexed H. E. OTT

F. B. 2800 PG. 63

— TIDE GAUGE READINGS —
JULY 21, 1964
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
5:00 A.M.	1.8
5:30	2.2
6:00	2.6
6:30	2.9
7:00	3.3
7:30	3.5
8:00	3.5
8:30	3.6
9:00	3.4
9:30	3.3
10:00	3.1
10:30	2.9
11:00	2.7

NOTE — Tide Station is located at south end of Berth 60, L.A. Outer Harbor

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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76F309S CE #310 6-63

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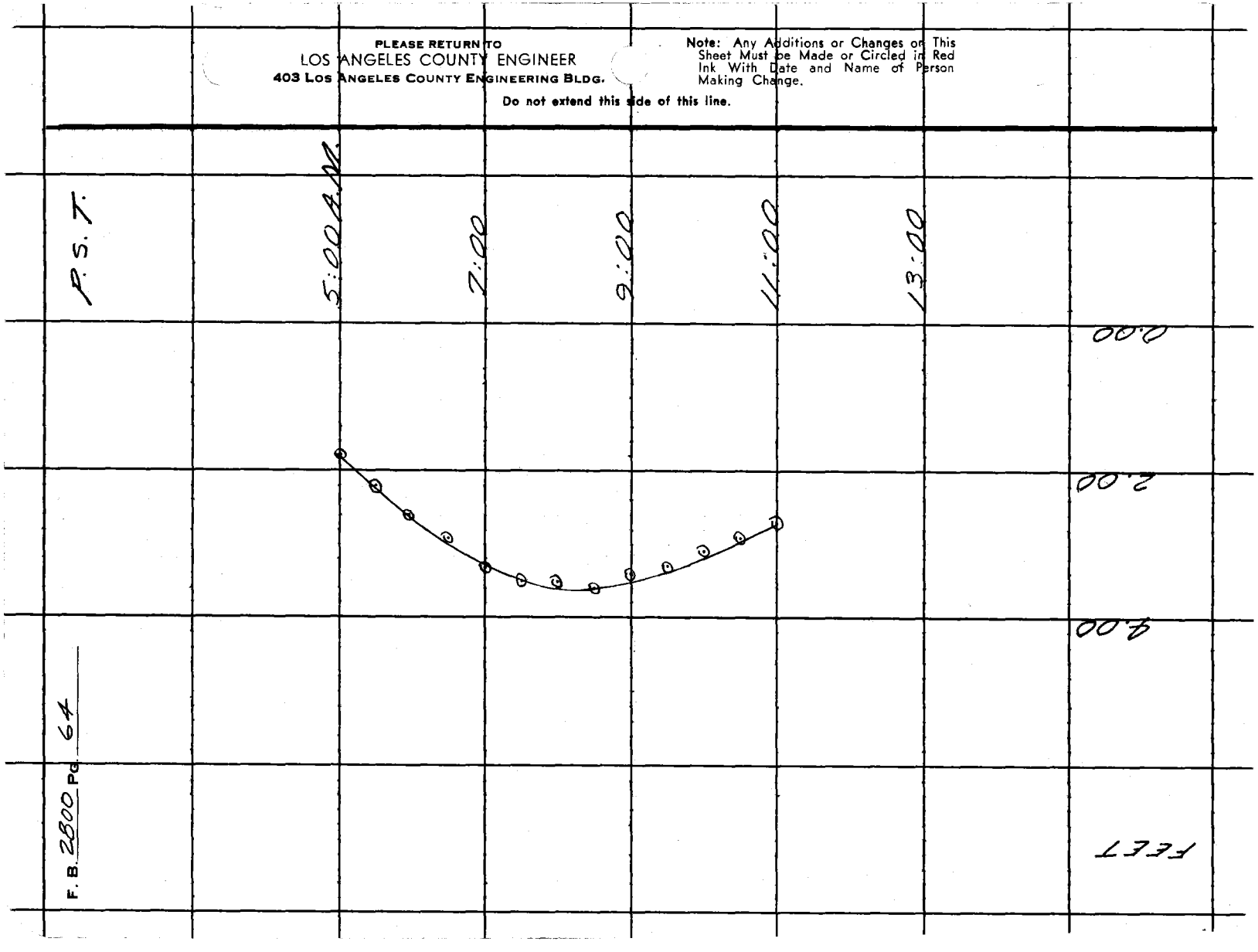

F. B. 2800 Pg. 64

Notes Ck'd by	Survey of Hydrographic Survey
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by C.K. Lind
Checked	Notes Uharriet Date 7-22-64
Date	Indexed H. E. OTT

F. B. 2800 PG. 65

— TIDE GAUGE READINGS —
JULY 22, 1964
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
5:00 A.M.	1.0
5:30	1.5
6:00	2.1
6:30	2.5
7:00	3.0
7:30	3.3
8:00	3.5
8:30	3.6
9:00	3.7
9:30	3.6
10:00	3.5
10:30	3.3
11:00	3.1

NOTE - Tide Station is located at south end of Berth 60, L.A. Outer Harbor

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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76F309S CE #310 6-63

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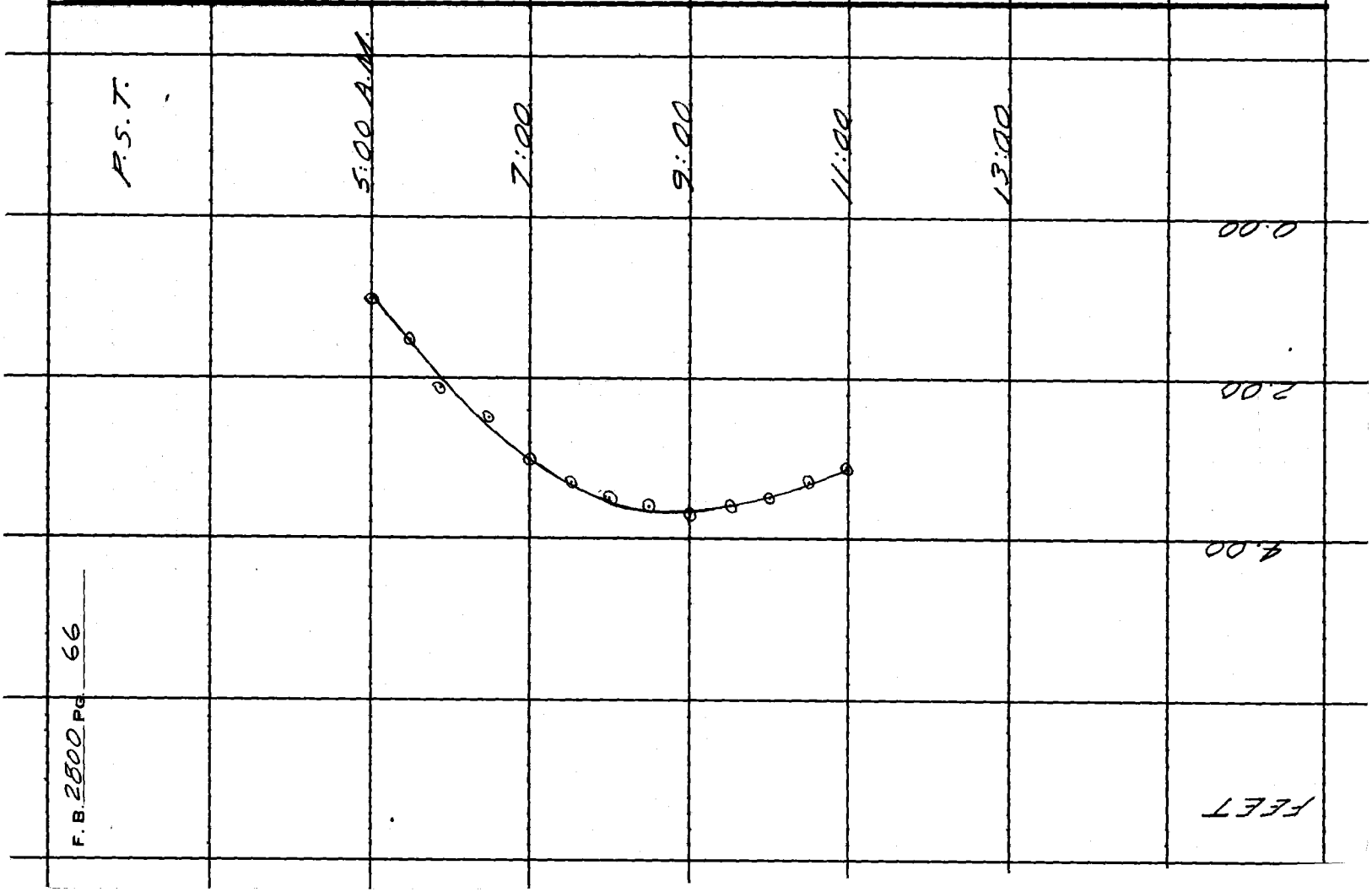
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.



F.B. 2800 PG. 66

Notes Ck'd by	Survey of Hydrographic Survey
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by C.K. Lind
Checked	Notes Uharriet Date 7-23-64
Date	Indexed H. E. OTT

F. B. 2800 Pg. 67

— TIDE GAUGE READINGS —
JULY 23, 1964
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
5:00 A.M.	0.6
5:30	1.0
6:00	1.6
6:30	2.1
7:00	2.6
7:30	3.0
8:00	3.4
8:30	3.6
9:00	3.7
9:30	3.8
10:00	3.6
10:30	3.5
11:00	3.3

NOTE — Tide Station is located at south end of Berth 60, L.A. Outer Harbor

Note: Any Additions or Changes of This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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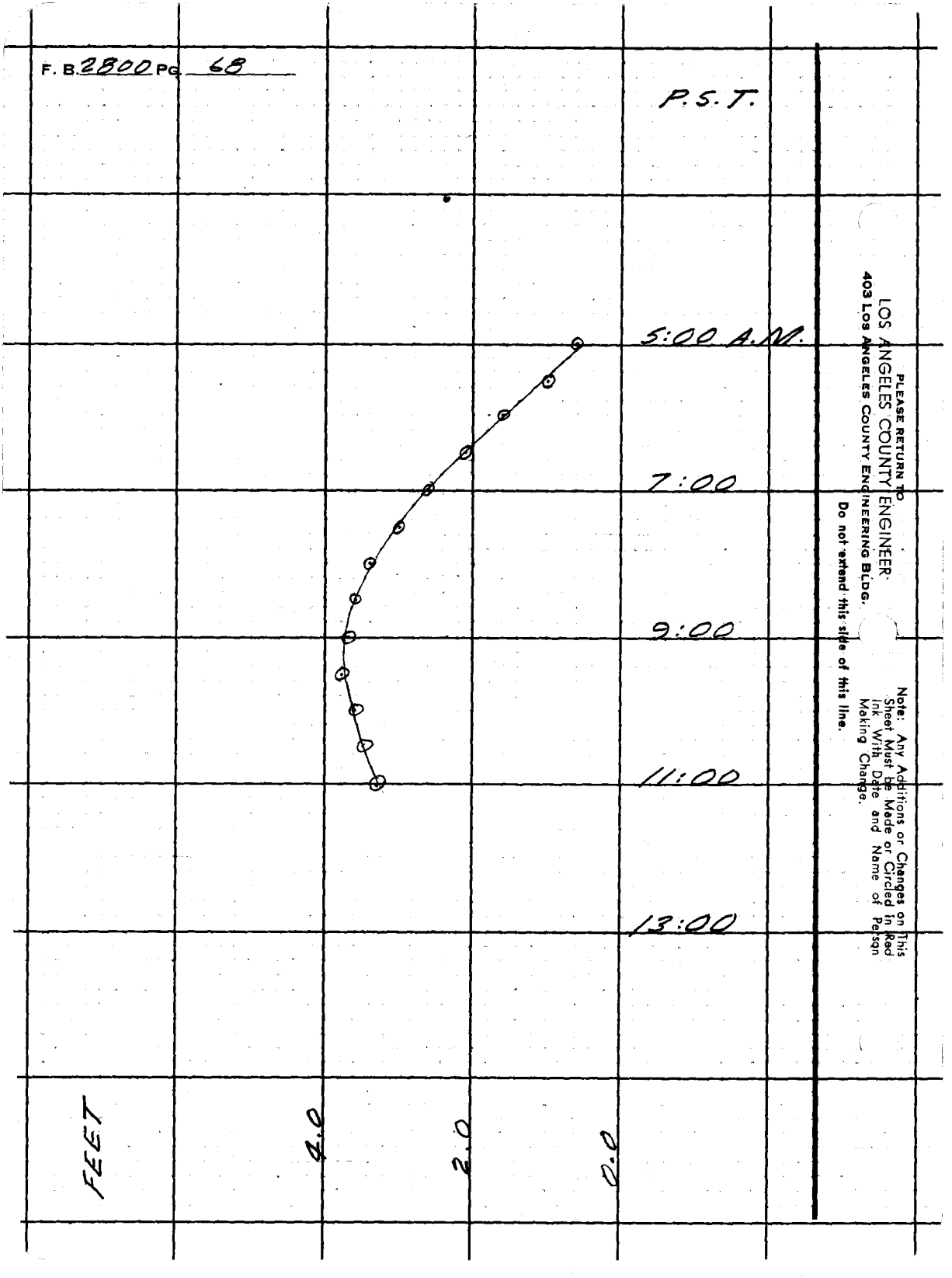
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 CE #310 6-63

F. B. 2800 PG. 68



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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.

Notes Ck'd by	Survey of Hydrographic Survey
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by C.K. Lind
Checked	Notes Uharriet Date 7-24-64
Date	Indexed H. E. WIF

F. B. 2800 PG. 69

TIDE GAUGE READINGS
JULY 24, 1964
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
5:00 A.M.	0.1
5:30	0.5
6:00	1.1
6:30	1.6
7:00	2.2
7:30	2.7
8:00	3.1
8:30	3.4
9:00	3.6
9:30	3.9
10:00	3.8
10:30	3.8
11:00	3.7

NOTE- Tide Station is located at south end of Berth 60, L.A. Outer Harbor

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

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76F309S CE #310 6-63

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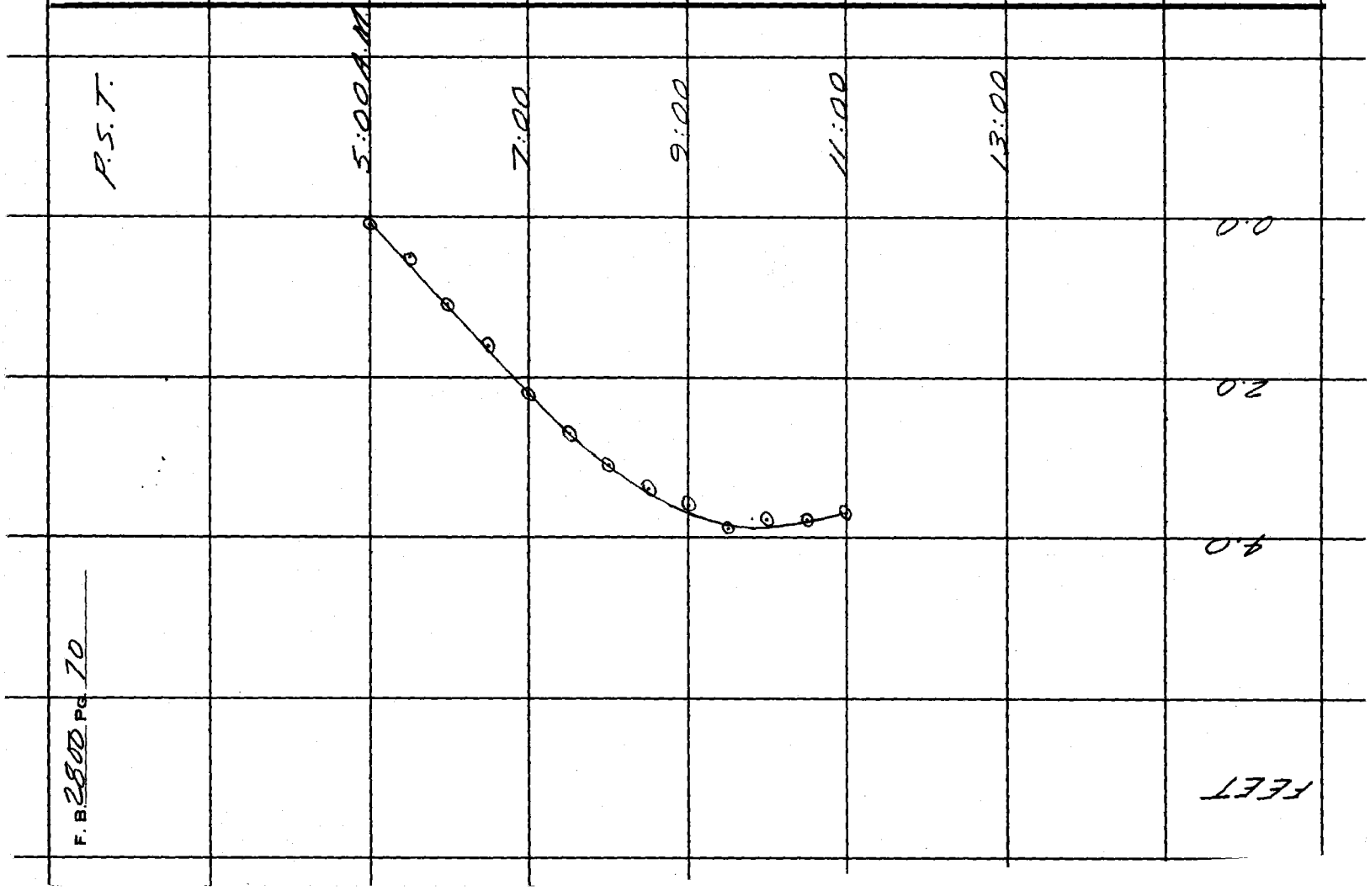
Do not extend this side of this line.



Notes Ck'd by	Survey of Hydrographic Survey
Map No.	JN 0300.02 Tape Std °F
Office Work	Surveyed by C.K. Lind
Checked	Notes Unofficial Date 7-27-64
Date	Indexed H. L. M.

F. B. 2800 PG. 71

— TIDE GAUGE READINGS —
JULY 27, 1964
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
5:00 A.M.	-0.2
5:30	-0.1
6:00	0.2
6:30	0.6
7:00	1.0
7:30	1.4
8:00	2.1
8:30	2.5
9:00	3.1
9:30	3.4
10:00	3.6
10:30	3.9
11:00	4.1

NOTE — Tide Station is located at south end of Berth 60, L.A. Outer Harbor

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
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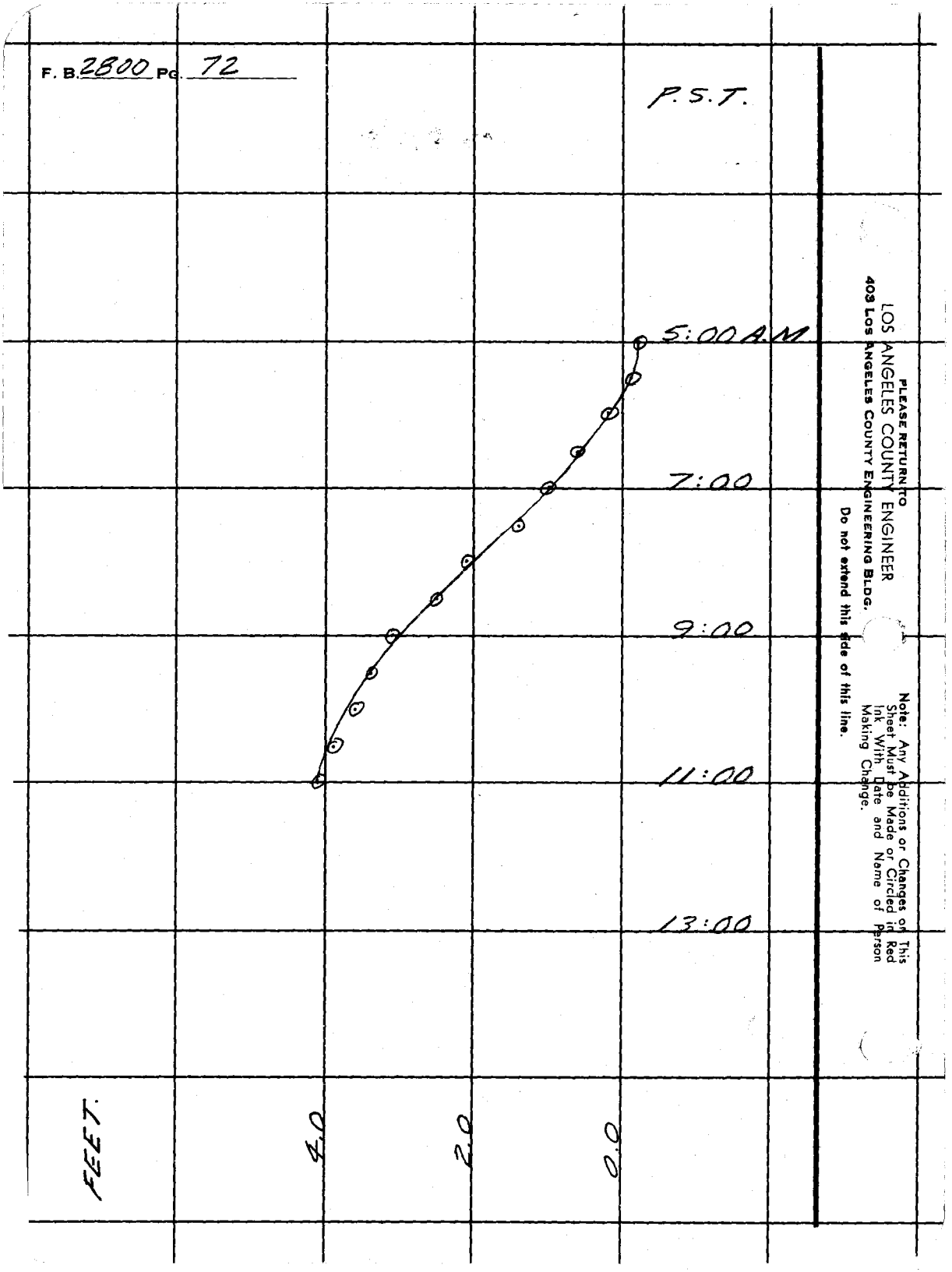
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE #310 6-63

F. B. 2800 PG. 72



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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.

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEYS
Map No.	JN 0300.02 Tape — Std — °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 2-66
Date	Indexed C. H. GALLI FEB 2 3 '68

F. B. 2800 Pg. 73

J. N. 0300.02

HYDROGRAPHIC SURVEYS

OF

PLAYA DEL REY BEACH

FROM 8+00 N. TO 210+00 N. (0+00 - N-11)

FOR HORIZONTAL CONTROL ON OFFSHORE BREAK-WATER, SEE F.B. 3223: 79-90, INC.

SHORE CONTROL IS REC. PER F.B. 2100 & F.B. 930

SEE SURVEY DIVISION MAP #100-9, SHEET 2

VERTICAL DATUM = M.L.L.W. TIME = P.S.T.

SURVEY DIV. LETTER FILE NO. 4407

SEE F.B.S 2997 & 0309 FOR TIDE GAUGE DATA

OFFSHORE PARTS	CONTROL PARTS	SURF PARTS
RICHARDS	VOGE	GREIER
OCHSNER	SMILEY	WILL
BRZEN	BUSTRUM	
FOULGER	LIEBER	
TURRILL	DONLEVY	
SIEMANN		

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

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76F309S CE #310 6-63

(BLANK)

F. B 2800 PG. 74

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76-L298 CE 307 3-61

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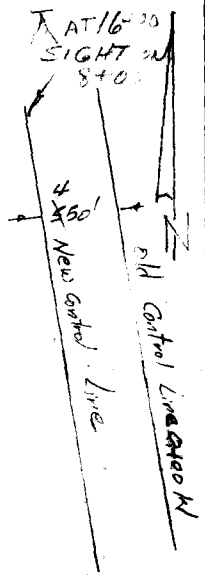
Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	8+00	
BM 27-4	0 91	28.16		27.253	BM 27-4 (US C&GS)	
T.P.	2 61	18 97	11 80	16.36	@ Standard Oil Co Salt water pumping plant N.E. Cor, Vertical in conc wall, a U.S. C&GS Brass disc marked B-768 1945 per FB 2100-167	
					Range 8+00 N	
			04	18 6	310' W Edge of conc. wall.	
			31	15 9	354' W brk	
			46	14 4	450 W	
T.P.	4.49	19.44	4.02	~~14.95~~	~~484 W Top of brk.~~ (T.P.) (LOST)	
T.P.			7.63	11.81	~~490 W bottom~~ (T.P.) (")	
					2-2-66	
T.P.	100	15 40		14 4	450 W	
			05	14 9	480 LEFT TOP BRK	
			37	11 7	482 " BOT. BRK	
			85	6 9	515 "	
T.P	400	10 22	9 28	6.22	T.P. #1	
			05	-03		11° 46' TURNED RT.
			29	-27	2	18° 05'



CONT.

Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 2800 Pg. 75
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge Date 2-1-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. Gallo Date ____

F.B. 2800 PG. 76

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

76-L[illegible]8 CE 307 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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		10 22	18 5	-8 3	8+00	
						28° 11'

76L298 307 Cdb 12

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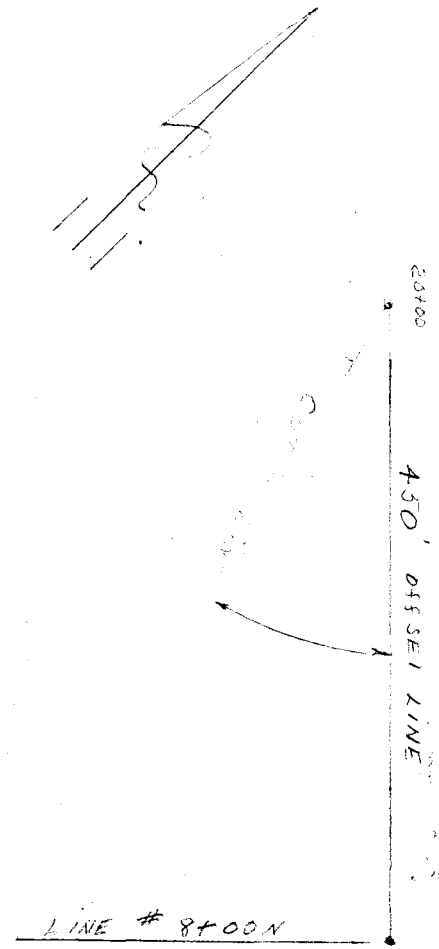
Do not extend notes this side of this line.

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					
20+00 N	0+00 N	8:20	1	70	50			
			2	69	50			
			3	68	20'			0080010
			4	67	30'			
			5	66	25			
			6	65	25'			0080012
			7	64	20			
			8	63	10'			
			9	61	40'			0080014
			10	60	50'			
			11	59	20'			
			12	57	30			0080016
			13	55	50'			
			14	54°	20'			
			15	52	45'			0080018
			16	50	30'			
			17	48	30'			
			18	46	15'			0080020
			19	43	30'			
			20	40	00'			

CONT. Pg.



Profile Notes Red. Plotted Job No. 0200.02 Division No. 11 F.B. 2800 Pg. 77
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes R.T. Date 2-2-66
No. Date Date Map No. Indexed ~~C. J. GALLI~~ Date

76 37 Cdb 12-62

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F. B. 2800 Pg. 78 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of HYDROGRAPHIC SURVEY | Date | Date | No.

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

Indexed G. J. GALLI | 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	CONT. FROM P.				
# 20+00	0+00		21	36°	40'			0080022
			22	32°	35'			
			23	25°	45'			
			24	22°	40'			0080024
		8:29	25	18°	50'			
				00	00			
				00	00			0080026
				00	00			
				00	00			
				00	00			0080028
				90	00			
				00	00			
				00	00			0080006
				00	00			
				00	00			
				00	00			0080008

76L298 307 Cdb 12

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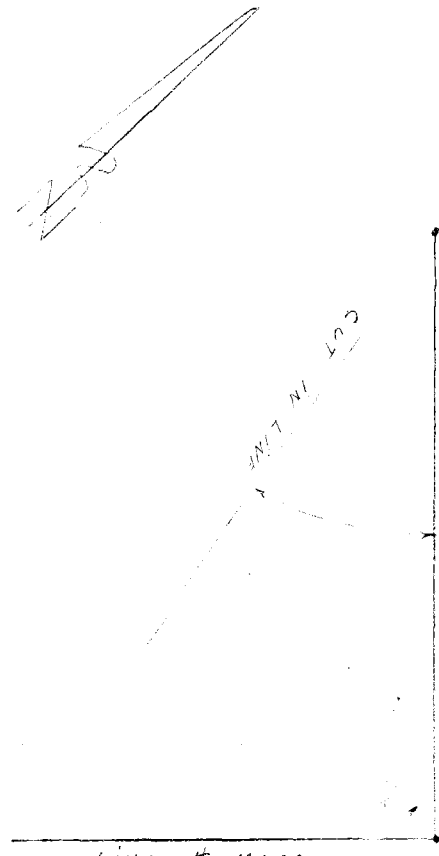
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
20+00	0+00	8:40	1	74°	50'			
			2	74°	20'			
			3	73°	35'			0100010
			4	72°	40'			
			5	71°	35'			
			6	70°	30'			0100012
			7	69°	15'			
			8	67°	50'			
			9	66°	10'			0100014
			10	64°	30'			
			11	62°	35'			
			12	60°	30'			0100016
			13	58°	40'			
			14	56°	45'			
			15	54°	40'			0100018
			16	52°	40'			
			17	50°	05'			
			18	46°	50'			0100020
			19	44°	20'			
			20	41°	35			

CONT. PG.



Profile Notes Red. Plotted Job No. Division No. F. B. 2800 Pg. 81
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes R. T. Date 2-2-66
No. Date Date Map No. Indexed J. CALLI Date

76L29A 307 Cdb 12-62

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch	Cont. From Pg.				
20+00	0+00		21	38°	50'			0100022
			22	34°	40'			
			23	29°	55'			
	Boat Turned Around		24	[illegible]	45'			0100024
			25	[illegible]	[illegible]			
			26	26°	20'			
			27	24°	05'			0100026
		8:50	28	22°	00'			
				00	00			
				00	00			0100028
				00	00			
				00	00			
				00	00			0100030
				90	00			
				00	00			
				00	00			0100006
				00	00			
				00	00			
				00	00			0100008

F. B. 2800 Pg. 82 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile No.
Survey of HYDROGRAPHIC SURVEY Date Date X-Sec. No.
Survey by RICHARDS Notes Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date

76-L298 CE 307 3-61

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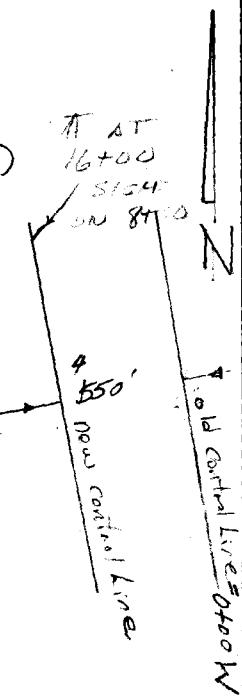
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 10+00 N	
T.P.	7.60	19.41		11.81	(from Range 8+00, 490 W)	
			+3.0	22.4 ~~19.7~~	70 W	Edge of fence
			+1.8	21.2	98 W	break
			4.7	14.7 ~~4~~	178 W	Flat
			6.5	12.9	236 W	break
			5.0	14.4	326 W	Flat
			4.8	14.6	450 W	Flat
TP	4.61	19.63	4.39	15.02	481 W	top of break (T.P.)
TP			~~7.45~~	12.18	488 W	bottom " " (T.P.)
						out 2-2-66
T.P.	0.02	15.04		15.02	48 W.	
			3.2	11.8	485 W.	
	3.77	9.91	8.90	6.14	518 W.	Dist
			171	-.72	#1	837' 32° 49' TURN LT.
			136	-.37	2	770' 28° 05' " "
			104	-.05	3	690' 21° 49' " "
			102	-.03	4	591 13° 18' " "
			86	.13	5	554 9° 50' " "



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 79
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Yoge Notes Yoge & DREIER Date 2-2-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. L. GALL Date ____

F.B. 2800 Pg. 80

Job No. 250002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed C. 1 GALLI Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L298 CE 307 3-61

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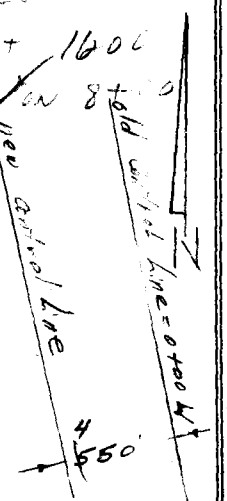
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 12+00 N	
T.P.	7.52	19.70		12.18	(from Range 10+00 @ 488' W.)	
			3.1	16.6	85 W. Toe of slope	
			4.8	14.9	125 W Flat	
			5.3	14.4	207 W "	
			5.5	14.2	297 W "	
			5.2	14.5	391 W "	
			5.0	14.7	450 W "	
T.P.	4.68	19.65	4.73	14.97	475 W Top of break	(T.P.)
T.P.			7.40	~~12.25~~	480 W bottom of break	(T.P.)
T.P.	0.08	15.05		14.97	475 LEFT TOP BRK	
			3.7	11.3	477 BOT BRK	
T.P.	2.50	8.23	9.32	5.73	510 W	
			5.5	2.7	535 W	
			9.8	-1.6	#1 Dist 604' 21° 02'	TURNED RT
			9.0	-0.8	2 680' 27° 56'	" "
			11.8	-3.6	3 811' 42° 06'	" "
			18.2	-10.0	4 947' 51° 10'	" "



Profile No. X-Sec. No.
Notes Red Date
Notes Chkd. Date
Plotted Date
Checked Date
Job No. 66-02 Division No. 11
Survey of Beach Erosion
Survey by VAC. Notes VAC & PETERK
Map No. Indexed J. GALLI Date
Date 2-2-66
F.B. 2800 Pg. 83

F. B. 2300 PG. 84

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-1 298 CE 307 3-61

76L298 307 Cdb 12-62

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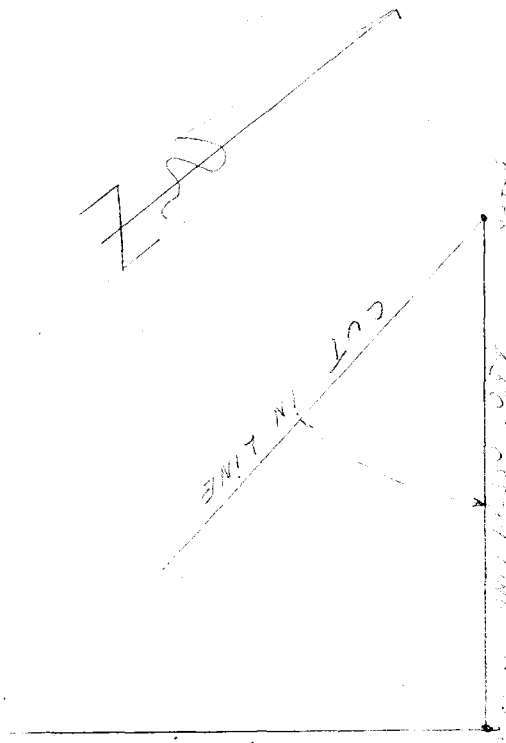
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
20+00 N	0+00 N	9:06	1	78°	20'			
			2	77°	50'			
			3	77°	05'			0120010
			4	76°	30'			
			5	75°	40'			
			6	74°	50'			0120012
			7	74°	00'			
			8	73°	10'			
			9	72°	10'			0120014
			10	70°	50'			
			11	69°	30'			
			12	68°	05'			0120016
			13	65°	50'			
			14	63°	40'			
			15	61°	05'			0120018
			16	58°	20'			
			17	55°	50'			
			18	51°	50'			0120020
			19	48°	05'			
			20	44°	50'			

CONT. Pg.



Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
Notes Chkd. ____ Checked ____ Survey by R. HARDY Notes R. T. Date 2-2-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2800 Pg. 85

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch	CONT. FROM PG.				
#20+00 N	0+00 N		21	42°	15'			0120022
			22	40°	05'	1153		
			23	37°	15'	10[illegible]		
	BOAT TURNED AROUND		24	38°	05'	1076		0120024
			25	33°	50'	986		
			26	30°	10'	915		
		9:14	27	28°	40'	857		0120026
				00	00			
				00	00			
				00	00			0120028
						90	00	
						00	00	
						00	00	0120006
						00	00	
						00	00	
						00	00	0120008

F. B. 2800 Pg. 86 | Job No. 0300.02 | Division No. 11 | Notes Red. | Plotted | Profile

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

Survey by RICHARDS | Notes R. T. | Notes Chkd. | Checked

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

76-L298 CE 307 3-61

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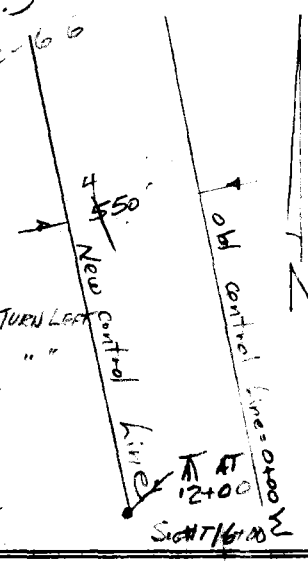
Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 16+00 N	
T.P.	7.29	19.54		12.25	(from Range 12+00 @ 480' W)	
T.P.	4.83	19.39	4.98	14.56		
			0.7	18.7 18.4	95' W Toe of slope	
			2.8	16.6	192 W flat	2-1-66
			3.0	16.4	288 W "	
			4.1	15.3	385 W "	
			5.02	14.37	450 W " (on 1x2)	
			5.2	~~14.2~~	~~457 W Top of break~~	out
T.P.			8.47	10.92	~~470 W Bott. of break (T.P.)~~	
						2-2-66
T.P.	0.46	14.83		14.37	450 W	
			0.8	14.0	460 W	
			3.0	11.8	465 W	
T.P.	2.38	7.91	9.30	5.53	510 W	
			22.0±	14.1	1 ESTIMATED ROD 932 50° 20' TURN LEFT	
			22.0±	14.1	2 " " 916 49° 22' " "	
			19.5±	11.6	3 " " 915 49° 18'	
			17.2	9.3	4 ACTUAL ROD 47° 31'	
			13.0	5.1	5 40 53	
			8.2	0.3	6 28 45	
					19 16	
					15 37	



CONT.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2302.02 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge & DREIER Date 2-2-66
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2800 Pg. 87

F.B. 2800 PG. 88

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

Survey by G. J. [illegible] Notes _____ Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		791				
			75	04	#7 590	19° 16'
			73	06	#8 (360 W)	15° 37'

76L298 307 Cdb 12-62

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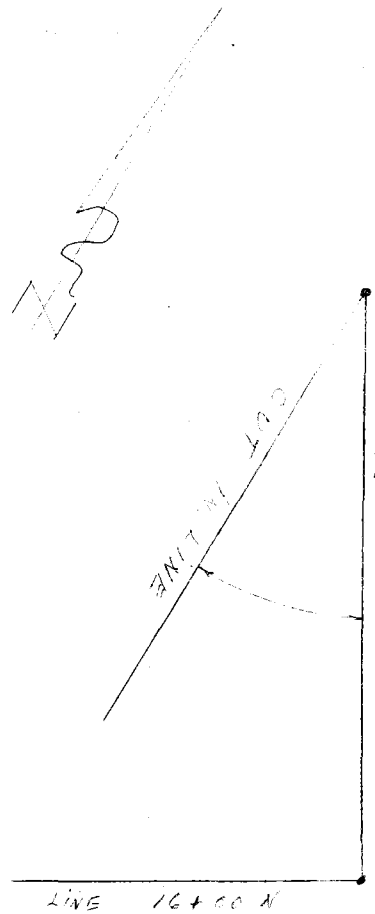
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DIST ~~DEG.~~	MIN.	
32+00 N	0+00 N	9:34	1	65°	50'	4016		
			2	64°	45'	3842		
			3	62°	30'	3524		0160010
			4	61°	05'	3346		
			5	59°	40'	3184		
			6	58°	00'	3012		0160012
			7	56°	15'	2844		
			8	53°	40'	2626		
			9	50°	10'	2369		0160014
			10	47°	35'	2201		
			11	44°	35'	2027		
			12	42°	20'	1907		0160016
			13	38°	45'	1734		
			14	34°	55'	1567		
			15	31°	05'	1415		0160018
			16	28°	10'	1307		
	BOAT TURNED AROUND.		17	25°	00'	1196		
			18	24°	15'	1170		0160020
			19	22°	15'	1104		
			20	21°	45'	1097		

CONT. Pg.



Profile Notes Red. Plotted Job No. 0300 Division No. 11 F. B. 2800 Pg. 89

No. Date Date Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes R.T. Date 2-2-66

No. Date Date Map No. Indexed C. J. GULL Date

76L298 307 Cdb 12-62

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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					
32+00 N	0+00			CONT. FROM P.				
	BOAT TURNED AROUND		21	1[illegible]	05	1003		0160022
		9:43	22	16°	40	929		
				00	00			
				00	00			0160024
				00	00			
				00	00			
				00	00			0160026
						90	00	
						00	00	
						00	00	0160006
						00	00	
						00	00	
						00	00	0160008

F. B. 2800 Pg. 90 Profile

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

Survey of HYDROGRAPHIC SURVEY Date Date

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

Indexed J. GALLI Date Date Date X-Sec. No. No.

76-L298 CE 307 3-61

PLEASE RETURN TO
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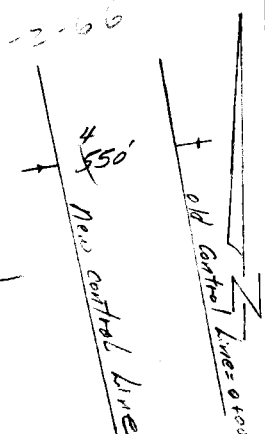
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 20+00 N	
T.P.	9 60	20 .52		10.92	(from Range 16+00 N, @ 470' W.)	
			1.9	18.6	105' W. Toe of slope	
			3.3	17.2	207' W. flat	
			4.3	16.2	306' W. "	2-1-66
			4.7	15.8	390' W. "	
			4.92	15.60	450' W. " (on 1x2)	
			~~5.7~~	~~14.8~~	~~465' W. Top of break~~	
			~~10.47~~	~~10.05~~	~~483' W bottom of " (T.P.)~~	
T.P.	0 31	15 91		15 60	450 W., LEFT	2-2-66
			1 0	14 9	467 W TOP BRK	
			4 1	11 8	471 W BOT BRK	
			10 7	5 2	500 W ON SLOPE	
T.P.	1 72	5.23 9 23	12 40	3.51 7.51	520 W ON SLOPE	
			4 4	.4 8	#1 18° 10' TURN LEFT	
			5 0	.2 4 2	#2 25° 52'	
			7 4	-2.2 1 8	3 34° 17'	
			11 5	-6.3 2 3	4 42° 49'	
			14 0	-8.8 4 8	5 46° 25'	
			19 1	-13.9 7 9	6 50° 54'	



GUN ON 16+00
SIGHT ON 20+00

Profile Notes Red ____ Plotted ____ Job No. 3802 Division No. ____
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Vuge Notes Vuge & DREIER Date 2-2-66
No. ____ Date ____ Date ____ Map No. ____ Indexed by J. GALLI Date ____

F.B. 2800 Pg. 91

F. B. 2800 PG. 92

Job No. 030.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed K. J. CALL Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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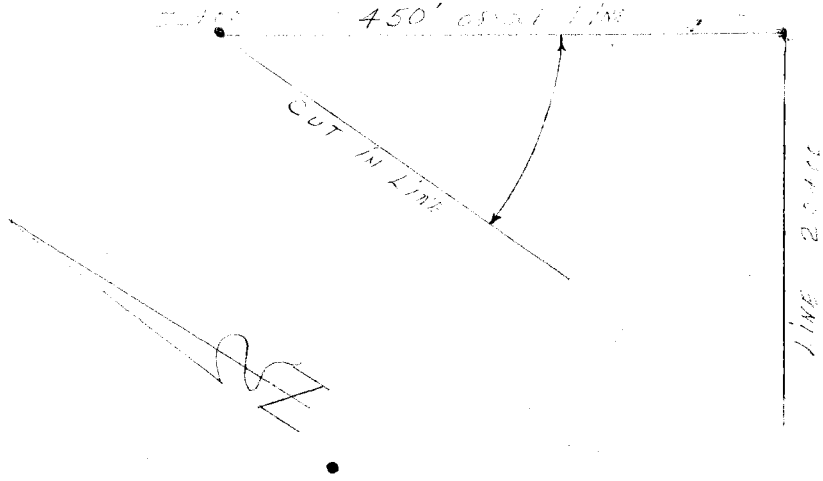
Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.04 Division No. 11 F. B. 2800 Pg. 93

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

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R. T. Date 2-2-66

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



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DIST. MIN.	
22+00N	0+00N	10:00	1	72°	45'	[illegible]	
			2	71°	50'	[illegible]	
			3	70°	35'	3854	0200010
			4	69°	15'	[illegible]	
			5	67°	50'	3395	
			6	66°	40'	[illegible]	0200012
			7	65°	00'	3023	
			8	62°	40'	[illegible]	
			9	60°	35'	[illegible]	0200014
			10	57°	50'	[illegible]	
			11	54°	00'	[illegible]	
			12	51°	10'	[illegible]	0200016
			13	47°	40'	[illegible]	
			14	44°	50'	[illegible]	
			15	42°	20'	1343	0200018
			16	40°	05'	1460	
			17	38°	15'	1396	
			18	35°	50'	[illegible]	0200020
			19	32°	50'	1224	
	BOAT TURNED AROUND		20	35°	35'	[illegible]	

CONT. B.

76L298 307 Cdb 12-62

F. B. 2800 PG. 94 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. I. GALL Date Date Date No.

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG. DIST	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					
				CONT FROM PG.				
32+00	0+00		21	32°	10'	[illegible]		0200022
			22	29°	20'	1124		
			23	26°	25'	1316		
			24	22°	40'	951		0200024
		10:09	25	20°	00'	887		
				00	00			
				00	00			0200026
				00	00			
				00	00			
				00	00			0200028
						90	00	
						00	00	
						00	00	0200006
						00	00	
						00	00	
						00	00	0200008

76-L298 CE 307 3-61

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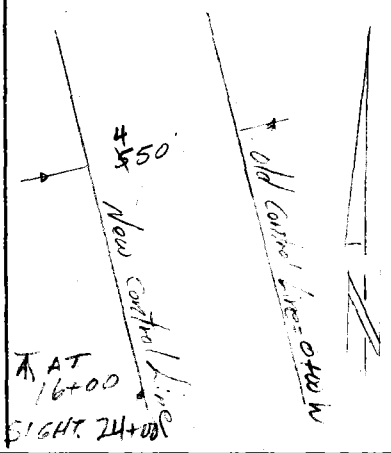
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 24+00 N	
T.P.	9.98	20.03		10.05	(from Range 20+00 @ 483' W)	
			2.3	17.7	121' W	Toe of slope
			1.7	18.3	215' W	flat
			3.0	17.0	312' W	"
			3.5	16.5	389' W	"
T.P.	1.42	17.42	4.03	16.00	450' W	"
			3.5	13.9	480' W	Top
T.P.	0.78	8.57	9.63	7.79	510' W	(T.P.)
T.P.	2.61	5.28	5.90	2.67	560' W	ON SAND & T.P.
			18.5	-13.2	# 1 970	33° 02'
			15.5	-10.2	2 913	30° 04'
			11.3	-6.0	3 813	24° 24'
			6.9	-1.6	4 720	18° 38'
			4.8	+0.5	5 654	14° 18'
			5.5	-0.2	6 606	11° 00'

TURN LEFT



Profile Notes Red ____ Plotted ____ Job No. 03 ... Division No. ____
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voyc Notes Voyc & Dreier Date 2-2-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 280 Pg. 95

F. B. 2800 PG. 96 | 030002

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed E. J. GALLE Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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298 CE 307 3-61

76L298 307 Cdb 12-62

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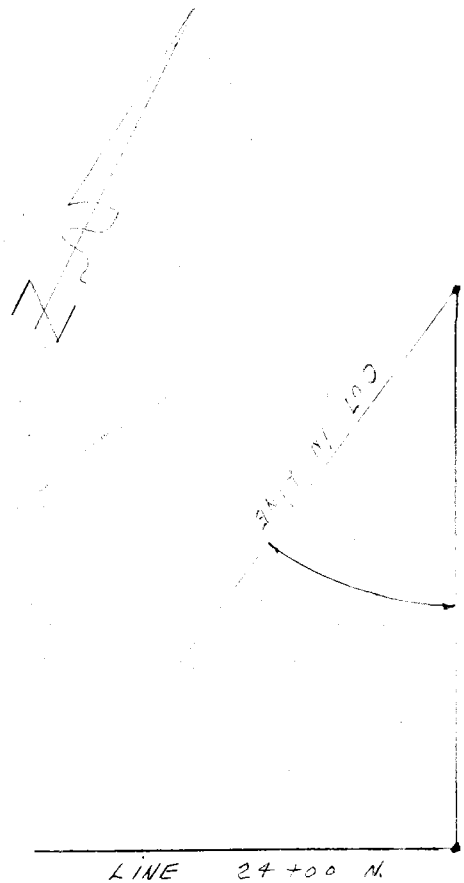
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			~~DEG.~~ DIST.	MIN.	
32+00 N	0+00 N	10:20	1	78°	35'	4412		
			2	77°	40'	4109		
			3	76°	50'	3870		0240010
			4	75°	45'	3600		
			5	74°	55'	3418		
			6	73°	40'	3180		0240012
			7	72°	20'	2962		
			8	70°	50'	2752		
			9	69°	05'	2543		0240014
			10	67°	30'	2381		
			11	65°	35'	2205		
			12	64°	00'	2091		0240016
			13	62°	10'	1965		
			14	59°	40'	1817		
			15	56°	40'	1666		0240018
			16	54°	05'	1554		
			17	52°	10'	1477		
			18	49°	50'	1398		0240020
			19	46°	50'	1303		
			20	43°	45	1213		

CONT. PG.



Profile Notes Red. Plotted Job No. 32044 Division No. 11
No. Date Date Survey of HIGHLANDS UNITED SCALE 1" = 50'
X-Sec. Notes Chkd. Checked Survey by R.C. HARRIS Notes R.T. Date 2-2-66
No. Date Date Map No. Indexed Date
F. B. 2800 Pg. 97

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. 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					
				Cont. From Pg.				
32+00.	0+00		21	41°	10'	1150		0240022
			22	37°	50'	1071		
			23	34°	05'	991		
			24	30°	10'	915		0240024
	Boat Turned Around		25	30°	30'	921		
		10:28	26	26°	50			
				00	00			0240026
				00	00			
				00	00			
				00	00			0240028
						90	00	
						00	00	
						00	00	0240006
						00	00	
						00	00	
						00	00	0240008

Profile No. ___ X-Sec. No. ___

Plotted ___ Date ___ Checked ___ Date ___

Notes Red. ___ Date ___ Notes Chkd. ___ Date ___

Division No. 11 Job No. 0300.02

Survey of HYDROGRAPHIC SURVEY

Survey by RICHARDS Notes R.T.

Indexed C. J. CALLA Date ___

F. B. 2800 Pg. 98

76-L298 CE 307 3-61

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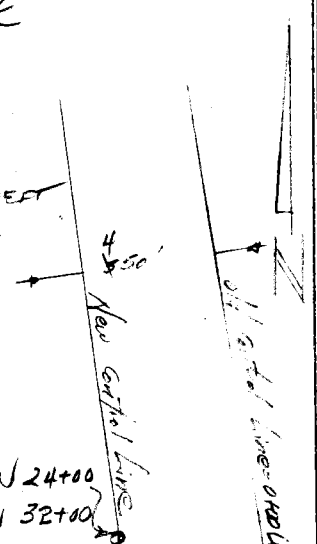
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 28+00 N
T.P.	9.63	17.42		7.79	(from Range 24+00N, 510 W)
T.P.	4.62	21.47	0.57	16.85	
			4.3	17.2	118 W Toe of Slope
			3.5	18.0	161 W break
			3.7	17.8	242 W flat
			4.2	17.3	328 W "
			4.88	16.59	450 W " (on 1x2)
			6.0	15.5	517 W Top of break
			10.6	10.9	538 W bottom of break
T.P.	0.74	10.02	12.19	9.28	548 W (T.P.)
			6.6	3.4	600 W
T.P.	1.77	3.91	7.88	2.14	
			4.1	-0.2	#1 671 28° 56' turn left
			5.5	-1.6	2 717 33° 45' " "
			5.3	-1.4	3 776 39° 10' " "
			7.3	-3.4	4 830 43° 33'
			13.7	-9.8	5 990 53° 27'
			17.3	-13.4	6 1008 56° 40'



SET ON 24+00
SIGHT ON 32+00

Profile Notes Red ____ Plotted ____ Job No. 6202 Division No. 11
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge & Dreier Date 2-2-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. [illegible] Date ____

F.B. 2800 Pg. 99

F. B. 2800 PG. 100

Job No. 03002 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed B. J. GALL Date _____ Date _____ Date _____ No. _____

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

7 8 CE 307 3-61

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76L298 307 Cdb 12-62

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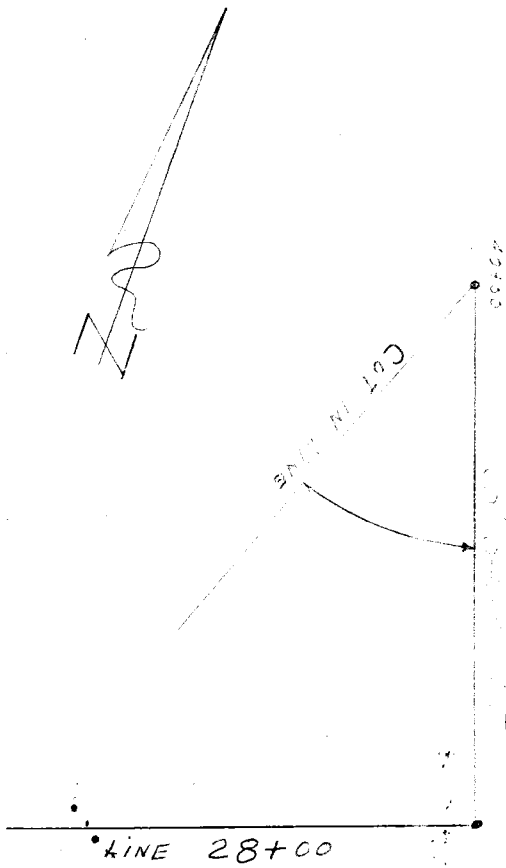
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
40+00	0+00	10:48	1	73°	45'	4567		
			2	72°	40'			
			3	71°	25'			0280010
			4	70°	10'			
			5	68°	15'			
			6	66°	40'			0280012
			7	65°	05'			
			8	63°	40'			
			9	61°	35'			0280014
			10	59°	20'	2473		
			11	57°	45'			
			12	55°	25'	2190		0280016
			13	51°	30'	1959		
			14	49°	25'	1851		
			15	47°	20'	1752		0280018
			16	44°	50'	1643		
			17	42°	50'	1563		
			18	40°	50'	1487		0280020
			19	38°	10'	1393		
			20	35°	30'	1306		

CONT. Pg.



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2 800 Pg. 101

No. ____ Date ____ Date ____ Survey of DY DROGHEDA SANITY

X-Sec. Notes Chkd. ____ Checked ____ Survey by AL HARDS Notes RT Date 2-2-66

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

76L298 307 Cdb 12-62

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F. B. 2800 Pg. 102 Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date

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

Indexed Date Date Date

Profile No. X-Sec. No.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
40+00	0+00			CONT. Pg.	FROM			
			21	33°	50'	1254		0280022
			22	31°	15'	1178		
			23	28°	35'	1104		
			24	26°	20'	1044		0280024
			25	22°	45'	953		
		10:56	26	20°	15'	893		
				00	00			0280026
				00	00			
				00	00			
				00	00			0280028
						90	00	
						00	00	
						00	00	0280006
						00	00	
						00	00	
						00	00	0280008

76-L298 CE 307 3-61

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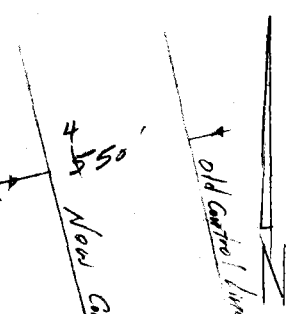
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 32+00 N	
T.P.	12.14	21.42		9.28	(from Range 28+00 N)	@ 548' W.
T.P.	3.00	19.99	4.43	16.99		
			2.7	17.3 18.3	105' W	toe of slope
			3.5	16.5	187' W	flat
			3.8	16.2	287' W	"
			4.2	15.8	355' W	"
			4.75	15.24	450' W	" (on ivy)
			5.5	14.5	549' W	top of break
			8.4	11.6	551' W	bott of break
T.P.	1.09	9.06	12.02	7.97	571' W	(T.P.)
			5.2	3.9	605 W	
			8.5	.56	660 W	
T.P.	4.42	4.46	9.02	.04	T.P.	
			6.9	-2.4	#1 104	17° 35' TURNED LEFT
			6.2	-1.7	2 144	21° 26'
			7.2	-2.7	3 827	25° 14'
			8.6	-4.1	4 877	28° 07'
			10.5	-6.0	5 930	30° 58'
			12.3	-7.8	6 970	33° 01'
			14.4	-9.9	7 1016	35° 16'
			15.5	-11.0	8 1000	34° 58'



Profile Notes Red ____ Plotted ____ Job No. 63-2-2 Division No. 11 F.B. 2800 Pg. 103
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Beach Erosion Date 2-2-66
No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by Leyk ____ Map No. ____ Indexed C. J. Gall Date ____ Notes by Porter

F.B. 2800 Pg. 104

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

Survey of BEACH EROSION 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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78-L298 CE 307 3-61

76L298 307 Cdb 12-62

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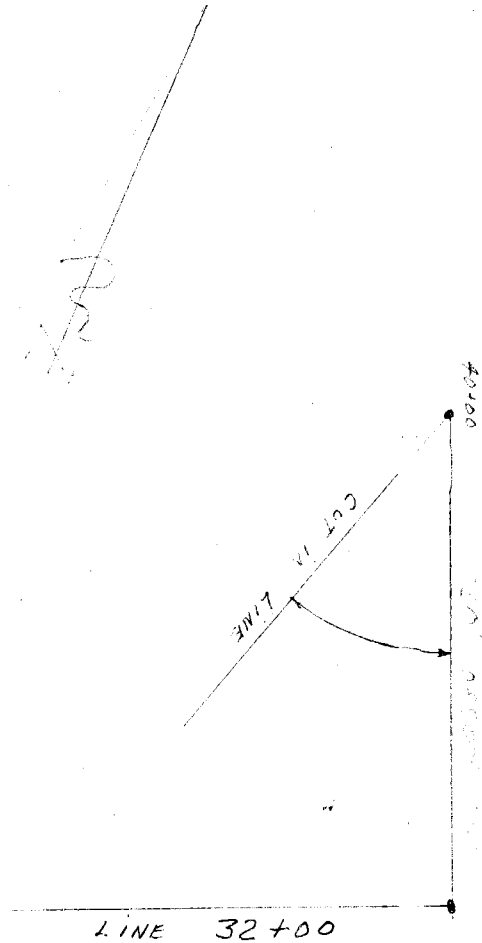
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG. DIST	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
40+00	0+00	11:05	1	77°	20'	4010		
			2	76°	20'	3740		
			3	75°	20'	3507		0320010
			4	74°	25'	3318		
			5	73°	10'	3094		
			6	71°	45'	2876		0320012
			7	70°	20'	2688		
			8	68°	45'	2507		
			9	66°	55'	2327		0320014
			10	65°	25'	2199		
			11	64°	00'	2090		
			12	62°	30'	1987		0320016
			13	60°	15'	1850		
			14	58°	55'	1777		
			15	57°	25'	1702		0320018
			16	54°	25'	1568		
			17	51°	35'	1459		
			18	48°	35'	1357		0320020
			19	46°	05'	1281		
			20	44°	10'	1227		

CONT. PG.



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2800 Pg. 105

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 2-2-66

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

F. B. 2800 PG. 106 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEY Date _____ Date _____ No. _____

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

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

Inst. At	Sight On	Time	Angle No.	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg. dist	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				Cont. from Pg				
40+00 N	0+00		21	44°	55'	1240		0320022
		BOAT TURNED AROUND	22	41°	55'	1168		
			23	41°	05'	1127		
		11:14	24	36°	10'	1035		0320024
				00	00			
				00	00			
				00	00			0320026
						90	00	
						00	00	
						00	00	0320006
						00	00	
						00	00	
						00	00	0320008

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 12-62

76-L298 CE 307 3-61

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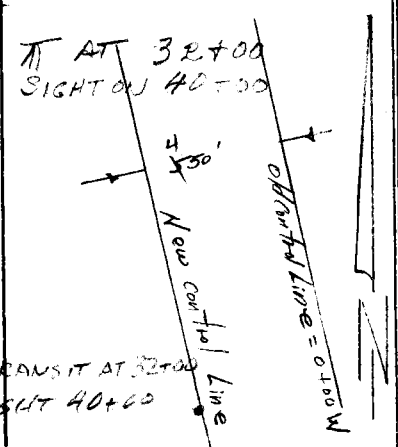
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 36+00 N	
T.P	11.26	19.23		7.97	(from Range 32+00 @ 571' W.)	
T.P.	5.58	21.31	3.50	15.73	"	
			1.1	20.2	105 W	Toe of slope
			2.9	18.4	160 W	flat
			3.8	17.5	208 W	break
			4.8	16.5	300 W	flat
			5.1	16.2	393 W	"
			5.08	16.23	450 W	" (on 1x2)
			7.6	13.7	553 W	Top of break
T.P.	1.08	10.20	12.19	9.12	578 W	Slope (T.P.)
			61	4.1	621 W.	HI. TIDE LINE
T.P.	3.74	4.44	10.90	-.07	650 W	BRK
			40	.04	#1 ~~[illegible]~~ 40° 27'	
			61	-.17	2 872 46 34	
			85	-.41	3 952 51 26	
			140	-.96	4 1054 56 30	
			155	-.111	5 1140 59 54	



Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 286 Pg. 107
Date ____ Date ____ Survey of Beach Erosion & Drainage 2-2-66
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge & Date
Date ____ Date ____ Map No. ____ Indexed C. & Gall Date

F. B. 2800 Pg. 108 | Job No. 030062 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed R. J. GALLI Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

76L298 307 Cdb 12-62

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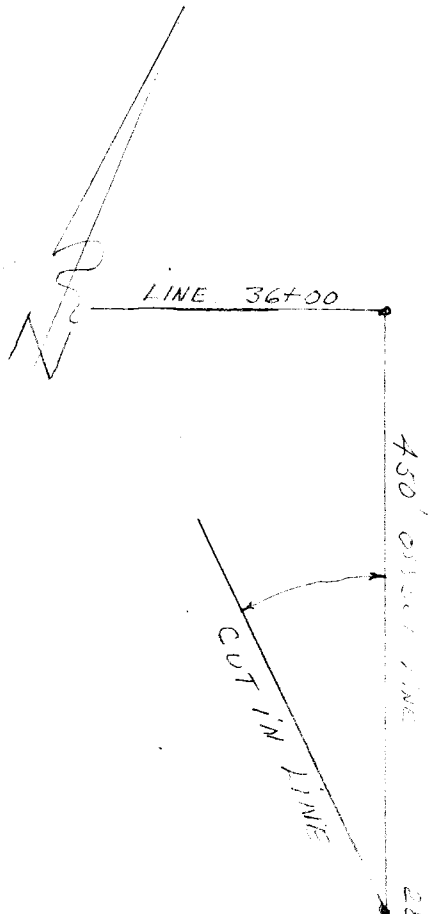
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
28+00	40+00	11:38	1	79°	35'			
			2	78°	50'			
			3	77°	55'			0360006
			4	77°	00'			
			5	75°	50'			
			6	74°	35'			0360008
			7	73°	20'			
			8	72°	00'			
			9	70°	30'			0360010
			10	68°	35'	2489		
			11	67°	15'	2358		
			12	65°	10'	2179		0360012
			13	63°	10'	2031		
			14	60°	25'	1859		
			15	58°	15'	1743		0360014
			16	54°	35'	1575		
			17	51°	15'	1447		
			18	48°	20'	1349		0360016
			19	45°	45'	1271		
			20	42°	35'	1185		

CONT. Pg.



Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 109
X-Sec. No. ____ Date ____ Date ____ Survey of BY CARSONBURG SEWER
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by RICHARDS Notes R.T. Date 2-2-66
Map No. ____ Date ____ Indexed G. J. GALL Date ____

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				CONT. FROM PG.				
28+00	40+00		21	39°	30'	1109		0360018
	BOAT TURNED AROUND		22	37°	05'	1055		
			23	36°	10'	1035		
		11:48	24	35°	00.	1010		0360020
				00	00			
				00	00			
				00	00			0360022
						90	00	
						00	00	
						00	00	0360024
						00	00	
						00	00	
						00	00	0360026

F. B. 2800 Pg. 110 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile
Survey of NYD ROGRAPHIC SURVEY Date Date No.
Survey by RICHARDS Notes R. T. Notes Chkd. Checked X-Sec.
Indexed J. GALL Date Date Date No.

76-L298 GE 307 3-61

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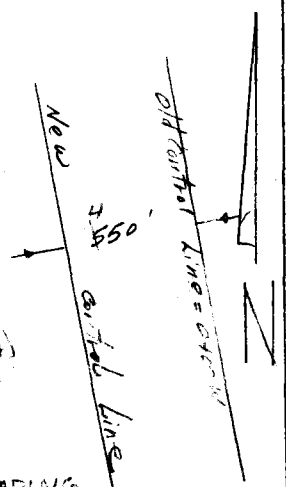
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 40+00 N	
T.P.	8.83	17.95		9.12	(from Range 36+00 N, @ 578' W.)	
T.P.	4.51	20.05	2.41	15.54	" " "	
			+2.0	22.0	40 W E. Edge of Rd, Toe of slope	
			+2.0	22.0	62 W W. " " "	
			2.1	18.0	109 W (E) edge of Parking lot	
			2.4	17.6	187 W Pvmt	
			3.3	16.7	234 W (W) Edge of Parking lot	
			3.5	16.5	310 W flat	
			4.0	16.0	394 W "	
			4.66	15.39	450 W " (on inv)	
			6.6	13.4	531 W Top of break	
			9.0	11.0	532 W bot " "	
T.P.	1.30	9.12	12.23	7.82	557 W (T.P.)	
			50	4.1	589 W Hi tide	
			59	3.2	600 W on slope	
T.P.	1.89	3.14	7.87	1.25	T.P.	
			18.3	-15.2	1 1244 44° 47'	
			14.1	-11.0	2 1149 41 08	
			9.0	-5.9	3 1005 34 44	
			10.0	-6.9	4 973 33 10	
			7.0	-3.9	5 ?92A 30 39	

Assume 800 dist. CKD.

? BAD READING BUT NO EVID. OF BEING WRONG.



Profile Notes Red ____ Plotted ____ Job No. 23-22-02 Division No. ____
No. ____ Date ____ Date ____ Survey of Beach Tms 1002
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2[illegible] Pg. 1/1

76 298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		3 14			CONT.	BOTTOM IRREGULAR
			103	-.72	#6 903 29° 30'	WITH BAD KIN TIDES
			87	-.56	7 821 24 52	
			59	-.28	8 759 21 08	
			55	-.24	9 700 17 23	
			43	-.12	10 674 15 39	

F. B. 2800 PG. 112 Job No. 0300.02 Division No. 11 Notes Red Plotted Profile
Survey of BEACH EROSION Date Date No.
Survey by [redacted] J. GALLI Notes Notes Chkd. Checked X-Sec.
Indexed Date Date No.

76L298 307 Cdb 12-62

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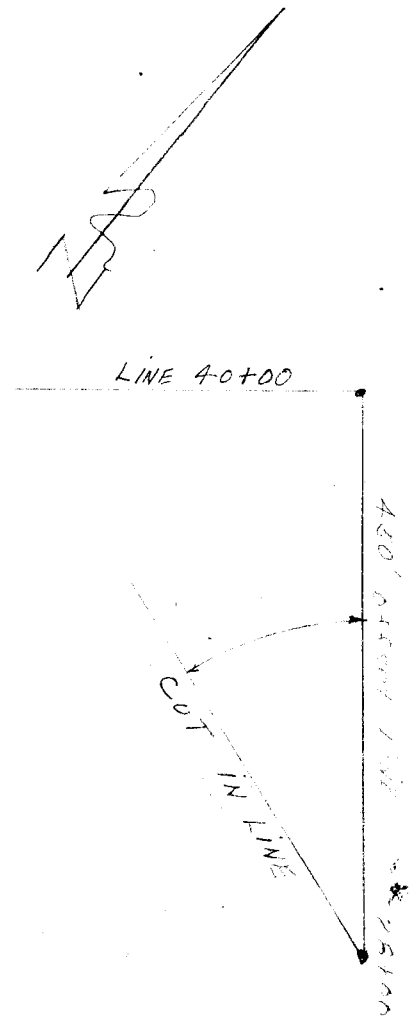
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
28+00	40+00	11:56	1	70°	15'			
			2	69°	00'			
			3	67°	45'			0400006
			4	66°	25'			
			5	65°	10'			
			6	63°	05'			0400008
			7	61°	30'			
			8	59°	30'			
			9	56°	50'			0400010
			10	54°	20'	2122		
			11	51°	40'	1968		
			12	48°	35'	1810		0400012
			13	45°	10'	1657		
			14	43°	30'	1589		
			15	41°	25'	1509		0400014
			16	38°	55'	1419		
			17	37°	30'	1371		
	BOAT TURNED AROUND		18	34°	55'	1288		0400016
			19	38°	00'	1388		
			20	35°	35'	1309		

CONT. Pg.



Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 11 F. B. 2800 Pg. 1/3
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-2-66
No. ____ Date ____ Date ____ Map No. ____ Indexed R. J. GALLI Date ____

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

Do not extend notes this side of this line.

F. B. 2800 Pg. 114 Job No. 0300.02 Division No. 11 Notes Red. Plotted. Profile No.
Survey of HYDROGRAPHIC SURVEY Date. Date. X-Sec. No.
Survey by RICHARDS Notes Chkd. Checked.
Indexed G. J. GALLI Date. Date. Date. No.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only Range	Line Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
				Cont. From Pg.					
28+00	40+00		21	34°	20'	1270			0400020
		12:05	22	33°	15'	1237			
				00	00				
				00	00				0400022
				00	00				
				00	00				
				00	00				0400024
						90	00		
						00	00		
						00	00		0400026
						00	00		
						00	00		
						00	00		0400028
						00	00		
						00	00		
						00	00		0440022
						00	00		
						00	00		
						00	00		0440024

76-L298 CE 307 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.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 44+00 N	
T.P.	12.19	20.01		7.82	(from Range 40+00 N @ 557' W)	
T.P.	6.53	22.72	3.82	16.19		
T.P.	12.08	34.66	0.14	22.58		
T.P.	8.79	36.21	7.24	27.42		
N-1			4.40	31.81	BM N-1	Elev = 31.896
					2" Brass Cap mon. Marked N-1	
					per FB 2100-169	
N-1	2.20	34.10		31.90	BM N-1	Elev. 31.896
T.P.	3.97	26.27	11.80	22.30	(See above) per FB 2100-169.	
T.P.	9.45	27.04	8.68	17.59		
			4.9	22.1	17' W (E) edge of Rd, toe of slope	
			5.0	22.0	33' W (W) " " "	
			8.5	18.5	96 W (E) edge of Parking Lot	
			9.1	17.9	152 W Parking Lot	
			10.0	17.0	222 W (W) edge of Parking Lot	
T.P.	2.30	19.89	9.45	17.59		
			3.1	16.8	300' W flat	
			4.4	15.5	370 W "	
			5.06	14.83	450 W " (on 1x2)	

New control line

Old control line = 0+00 N

Profile Notes Red ____ Plotted ____ Job No. 3200-2 Division No. 11 F.B. 2800 Pg. 115
No. X-Sec. Date ____ Date ____ Survey of Beach Erosion Survey by Kay Notes Veg. Date ____
No. ____ Notes Chkd ____ Checked ____ Map No. ____ Indexed J. GALLI Date ____
Date ____ Date ____

76 298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 44+00 N	
		19 89				
			5.3	14.6	510 W	Top of Break
			7.0	12.89 7.6	516 W	bott of "
T.P.	1.00	11.57	9.32	10.57	532 W	slope (TP)
			6.5	5.1	57[illegible]	Dist
			9.2	2.4	1 21° 00' 604'	⊼ AT 40+00
			14.0	-2.4	2 32° 08' 701'	SIGHT ON 44+00
			13.5	-1.9	3 40° 51' 796'	
			14.0	-2.4	4 48 54 908'	
			16.6	-5.0	5 53 09 984'	

F.B. 2800 Pg. 116 Job No. 230002 Division No. 11 Notes Red Plotted Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Voge Notes Voge Notes Chkd. Checked
Indexed C. J. GALL Date Date Date No.

76L296 307 Cdb 12-62

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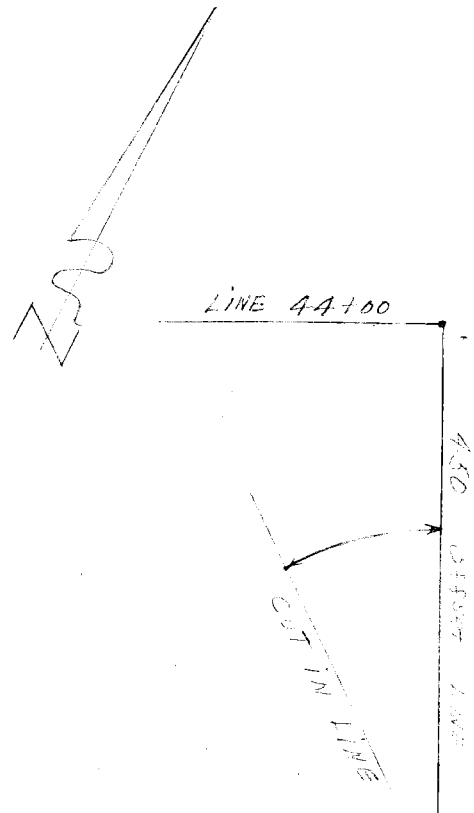
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY RANGE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
36+00	44+00	8:05	1	76°	55'	Dist 3442		
			2	76°	20'	3290'		
			3	75°	15'	3,039'		0440010
			4	74°	10'	2,821'		
			5	73°	25'	2,686'		
			6	71°	40'	2,414'		0440012
			7	70°	00'	2,198'		
			8	68°	05'	1,988'		
			9	65°	40'	1,769'		0440014
			10	63°	15'	1,587'		
			11	59°	10'	1,340'		
			12	55°	15'	1,153'		0440016
			13	50°	35'	973'		
			14	43°	25'	757'		
			15	38°	55'	646'		0440018
			16	32°	50'	516'		
			17	28°	50'	440'		
		8:12	18	26°	15'	395'		0440020
			19			00	00	
			20			00	00	
						00	00	0440008



Profile Notes Red. Plotted Job No. Division No. 11 F. B. 2 800 Pg. 117
No. Date Date Survey of HYDROGEOLOGIC SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes R.T. Date 2-2-66
No. Date Date Map No. Indexed Date

76L298 307 Cdb 12-62

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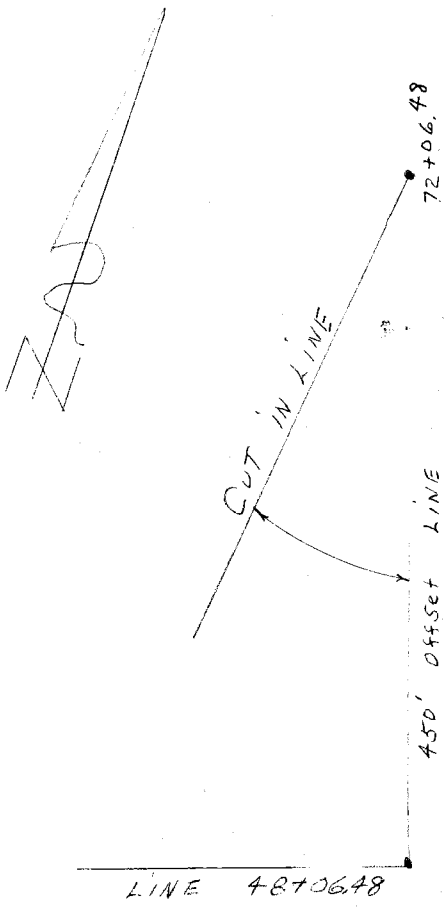
Do not extend notes this side of this line.

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					
72+06.48	47+06.67	8:47	1	1+013 55°	19+018 40			
			2	19+023 53°	24+028 05			13 19
			3	29+033 50°	34+039 10			0480010
			4	46°	55'			
			5	44°	50'			
			6	42°	10'			0480012
			7	38°	35'			
			8	35°	50'			
			9	31°	50'			0480014
			10	27°	05'			
			11	22°	45'			
			12	18°	35'			0480016
			13	15°	25'			
			14	14°	05'			
			15	12°	35'			0480020
			16	10°	50'			
		8:58	17	09°	30'			
				00	00			0480022
						90	00	
						00	00	
						00	00	0440006



Profile

X-Sec.

Plotted No.

Date

Checked No.

Date

Notes Red.

Date

Notes Chkd.

Date

Division No. 11

Job No. 0300.02

Survey of HYDROGRAPHIC SURVEY

Survey by RICHARDS

Notes R.T.

Date

Indexed

Pg. 118

F. B. 2800

76-L298 CE 307 3-61

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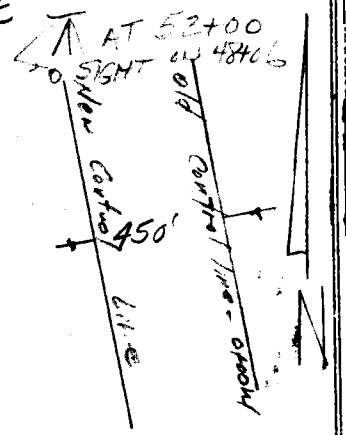
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 48+06 48 N
T.P.	8.48	19.05		10.57	(from Range 44+00 @ 532' W)
	4.71	19.16	4.60	14.45	
			+1.4	20.6	30 W Toe of Slope, E edge of Road
			+1.5	20.7	50' W (W) edge of Rd
			0.6	18.6	100' W (E) " " parking lot
			1.2	18.0	160' W parking lot
			1.9	17.3	228' W (W) edge of parking lot
			3.6	15.6	315' W flat
			4.5	14.7	390 W "
			4.74	14.42	450 W " (on 1x2)
			4.6	14.6	493 W Top of break
			6.4	12.8	495 W bott of "
T.P.	1.30	9.59	10.87	8.29	520 W Slope (T.P)
			18.0	-.84	#1 52° 48'
			14.4	-.48	2 51° 26
			12.3	-.27	3 45 15
			12.0	-.24	4 35 39
			11.4	-.18	5 29 50
			11.2	-.16	6 23 48
			9.0	.06	7 19 00
			5.1	4.547	557 W HIGH TIDE



Profile Notes Red ____ Plotted ____ Job No. 2300-02 Division No. ____
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Beach F-43.0 Notes Yoga
No. ____ Notes Chkd. ____ Checked ____ Survey by Yoga Date ____ 3-66
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2800 Pg. 119

F. B. 2800 PG. 120

Job No. 030.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L268 CE 307 3-61

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76-L298 CE 307 3-61

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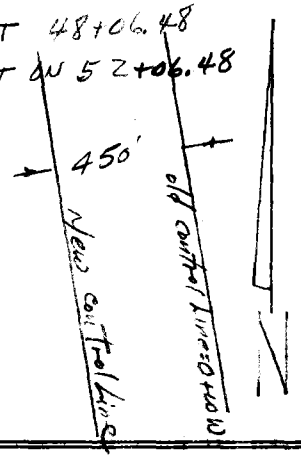
STATION	B.S.	H.I.	F.S.	ELEV.	Range 52+06 48 N	
T.P	10.86	19.15		8.29	(from Range 48+06 48 @ 520 W.	
T.P	5.06	19.04	5.17	13.98		
			0.2	18.8	115 W. Toe of slope	
			3.5	15.5	175 W break	
			4.8	14.2	265 W flat	
			5.6	13.4	358 W "	
			5.09	13.95	450 W " (on 1x2)	
			4.9	14.1	480 W Top of break	
			6.8	12.2	481 W bott. " "	
T.P	0.00	10.05	8.99	10.05	496 W slope (T.P)	
			53	47	538 W SLOPE HI TIDE	
			70	30	#1 13 36	⊼ AT 48+06.48
			101	01	2 17 10	SIGHT ON 52+06.48
			103	03	3 27 37	
			101	01	4 32 01	
			115	15	5 38 40	
			133	33	6 43 18	
			164	64	7 48 5	



Profile Notes Red ____ Plotted ____ Job No. 0300 02 Division No. 11 F.B. 2800 Pg. 121
No. ____ Date ____ Date ____ Survey of Beach Erosion & Drift
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge Date 2-3-66
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2800 Pg. 122

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-1 198 CE 307 3-61

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76L298 307 Cdb 12-62

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

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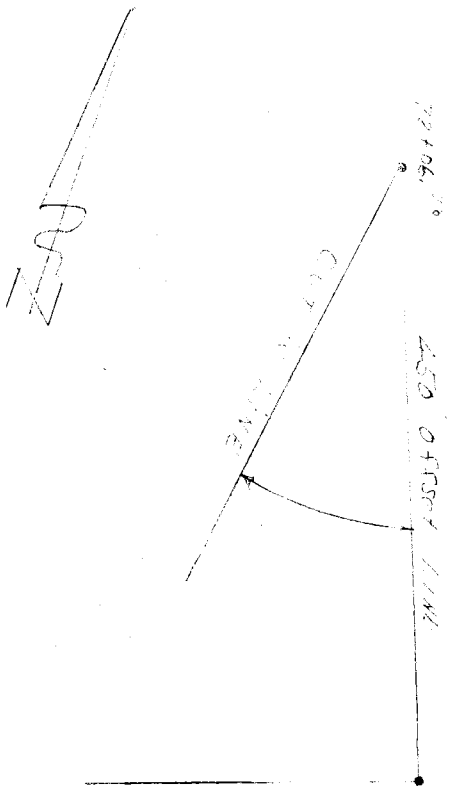
INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
72+06.48	47+06.67	9:05	1	60°	10'			
			2	58°	20'			
			3	56°	40'			0520012
			4	54°	50'			
			5	52°	25'			
			6	50°	10'			0520014
			7	47°	10'			
			8	44°	40'			
			9	41°	30'			0520016
			10	38°	30'			
			11	35°	25'			
			12	31°	25'			0520018
			13	27°	15'			
			14	23°	30'			
			15	20°	45'			0520020
			16	18°	45'			
			17	17°	20'			
			18	15°	30'			0520022
			19	13°	30'			
	Boat Turned AROUND		20	12°	25'			

CONT. Pg.



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 800 Pg. 123

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 2-3-66

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

76L298 307 Cdb 12-62

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F. B. 2800 Pg. 124 Job No. 0300.07 Division No. 11 Notes Red. Plotted. Profile No.

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

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

Indexed E. J. CALL Date Date Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				CONT. FROM PG.				
72+06.98	47+06.47		21	12°	35'			0520024
			22	11°	05'			
		9/12	23	090	35'			
				00	00			0520026
						90	00	
						00	00	
						00	00	0480006
						00	00	
						00	00	
						00	00	0480008
						00	00	
						00	00	
						00	00	0480024
						90	00	
						00	00	
						00	00	0520008
						00	00	
						00	00	
						00	00	0520010

76-L298 CE 307 3-61

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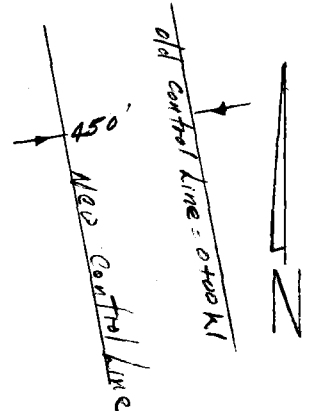
Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 56+06 48 N	
T.P.	9.19	19.24		10.05	(from Range 52+06 48 N @ 496 W)	
	4.87	18.87	5.24	14.00		
			3.9	15 0	295 W Toe of slope	
			5.5	13 4	375 W flat	
			4.83	14.04	450 W "	(on 1x2)
			5.5	13 4	470 W Top of Break	
T.P.	-0.08	9.02	9.77	9.10	490 W slope	(T.P.)
		"	180	-90	#1 32° 24	⊼ AT 48+06 48
			151	-61	2 28 54	SIGHT ON 56+06 48
			135	-45	3 27 20	
			113	-23	4 20 45	
			97	-07	5 15 02	
			87	03	6 10° 37	
			79	11	7 8° 32	
			43	47	526 HIGH TIDE	



Profile No. ____ Notes Red ____ Plotted ____ Job No. 03000 Division No. 11 F.B. 2800 Pg. 125
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion Profile
Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge Date
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date

F. B. 2306 Pg. 126 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 3-61

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76L298 307 Cdb 12-62

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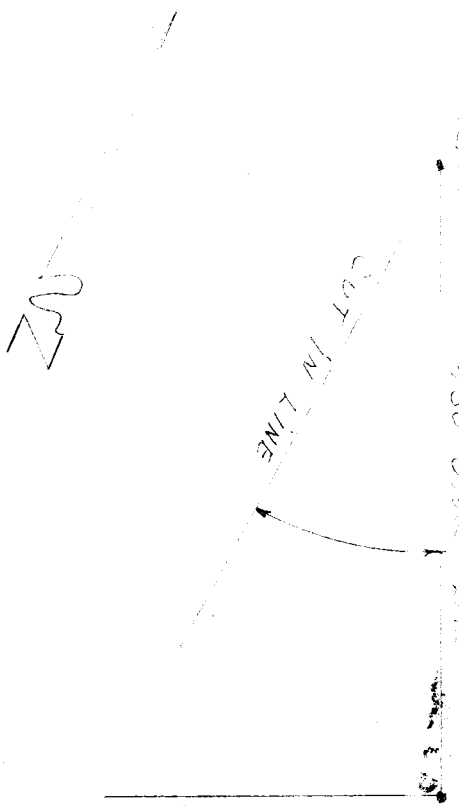
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
72+06.48	47+06.47	9:21	1	64°	05'			
			2	61°	35'			
			3	58°	45'			0560012
			4	56°	25'			
			5	54°	45'			
			6	52°	20'			0560014
			7	50°	10'			
			8	46°	55'			
			9	43°	30'			0560016
			10	40°	10'			
			11	36°	25'			
			12	32°	10'			0560018
			13	29°	10'			
			14	25°	05'			
			15	20°	25'			0560020
			16	18°	45'			
			17	17°	00'			
	BOAT TURNED AROUND		18	17°	50'			0560022
			19	16°	30'			
		9:28	20	14°	50'			
				00	00			0560024



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 800 Pg. 127

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes R. T. Date 2-3-66

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

76L298 307 Cdb 12-62

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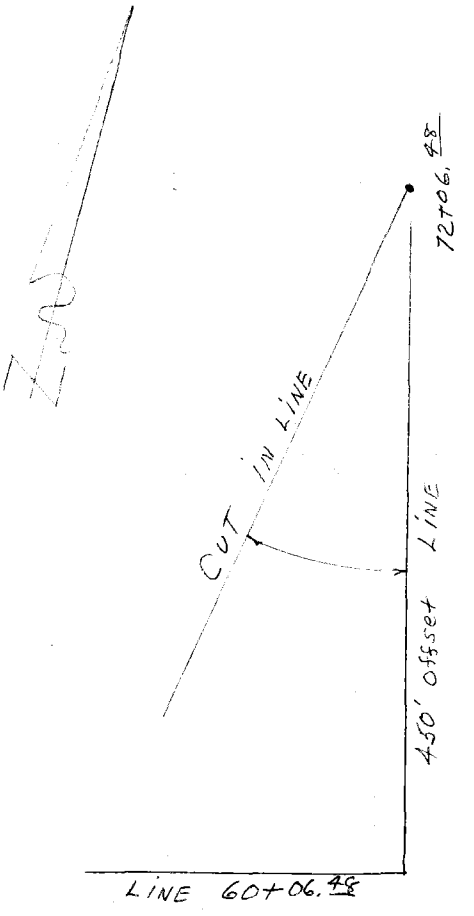
F. B. 2800 Pg. 128 Job No. 0300.12 Division No. 11 Notes Red. Plotted Profile No.
Survey of HYDROGRAPHIC SURVEY Date Date X-Sec. No.
Survey by RICHARDS Notes Notes Chkd. Checked
Indexed C. J. GALL Date Date Date

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					
72+06.48	47+06.67	9:45	1	72°	05'			
			2	70°	40'			
			3	68°	45'			0600012
			4	65°	50'			
			5	64°	10'			
			6	62°	25'			0600014
			7	60°	30'			
			8	57°	50'			
			9	54°	35'			0600016
			10	51°	05'			
			11	47°	50'			
			12	44°	10'			0600013
			13	39°	25'			
			14	34°	30'			
			15	30°	35'			0600020
			16	28	35'			
			17	26°	00'			
			18	23°	50'			0600022
		9:52	19	22°	05'			
				00	00			
				00	00			0600024



76-L298 CE 307 3-61

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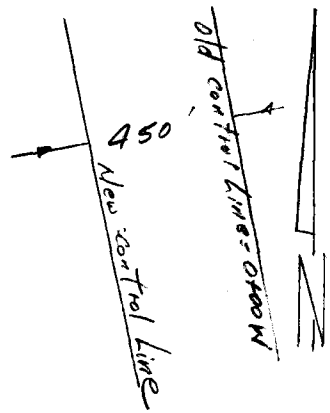
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 60+06 48 N	
TP	10.32	19.42		9.10	(from Range 56+06 48 N @ 490' W)	
	4.94	19.24	5.12	14.30		
			3.3	15.9	290 W toe of Slope	
			5.1	14.1	390 W flat	
			5.05	14.19	450 W " (on 1x2)	
			5.0	14.2	507 W Top of break	
			8.1	11.1	508 W bottom " "	
I.P	0.83	9.72	10.35	8.89	522 W Slope (TP)	
			50	47	558 W HI TIDE	AT 68+06 45
			85	12	1 10 44	SIGHT ON 60+06 48
			97	00	2 13 29	
			105	-08	3 17 14	
			104	-07	4 17 18	
			116	-19	5 20 59	
			146	-49	6 28 04	
			179	-82	7 32 57	



Profile No. ____ Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 2500 Pg. 129
Date ____ Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge Date ____
Date ____ Date ____ Map No. ____ Indexed E. J. GALLI Date ____

F. B. 2800 Pg. 130

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed C. J. Gall Date _____ Date _____ Date _____ No. _____

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

7 '98 CE 307 3-61

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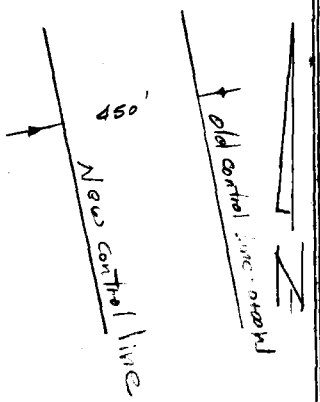
Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 64+06 48 N	
T.P	9.92	18.81		8.89	(from Range 60+06 48 N @ 522 W)	
T.P.	4.45	18.81	4.45	14.36		
			4.7	14.1	190 W (W) edge of	Parking lot
			4.2	14.6	272 W flat	
			5.4	13.4	356 W "	
			4.92	13.89	450 W "	(on 1x2)
			4.5	14.3 18.3	492 W Top of	break
			6.8	12.0	494 W bottom "	"
T. P.	056	8 61	10.76	8.05	518 W slope	(T.P.)
			19.7	11.1	(EST.) #1 54° 21	⊼ AT 68+06 18
			17.2	8.6	2 51 17	SIGHT ON 64+06 18
			13.3	4.7	3 41 15	
			11.0	2.4	4 40 52	
			10.7	2.1	5 33 12	
			10.0	1.4	6 24 16	
			8.2	0.4	7 19 50	
			3.9	4.7	568 W. HI TIDE	



Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 2800 Pg. 131
No. ____ Date ____ Date ____ Date ____ Survey of Beach Erosion Profile
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. Gall Date ____

F.B. 2800 Pg. 132 Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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76L298 307 Cdb 12-62

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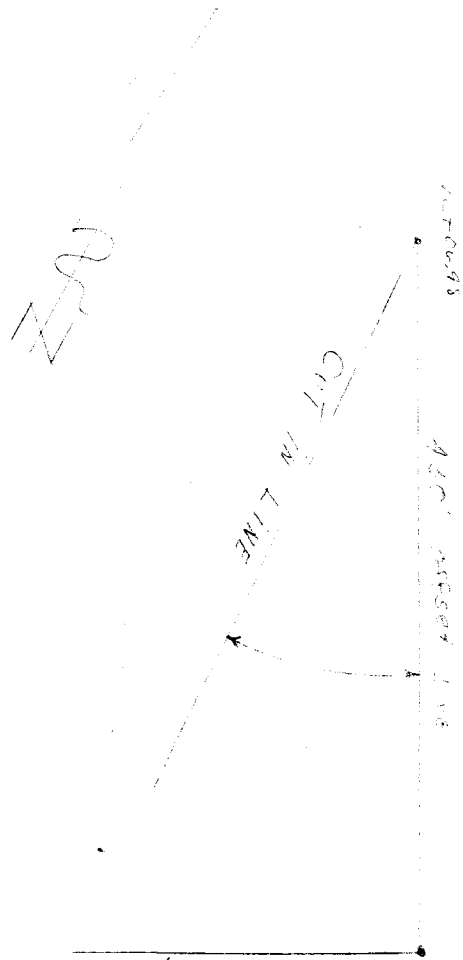
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH						
72+06.48	97+06.67	10:00	1	75°	15'				
			2	73°	40'				
			3	72°	05'				0640012
			4	70°	40'				
			5	68°	50'				
			6	66°	35'				0640014
			7	64°	15'				
			8	61°	40'				
			9	58°	30'				0640016
			10	54°	50'				
			11	50°	40'				
			12	46°	15'				0640018
			13	42°	30'				
			14	41°	20'				
			15	37°	45'				0640020
			16	33°	30'				
			17	29°	45'				
		10:05	18	28°	00'				0640022



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. Index Date

F. B. Pg. 133

76L25 07 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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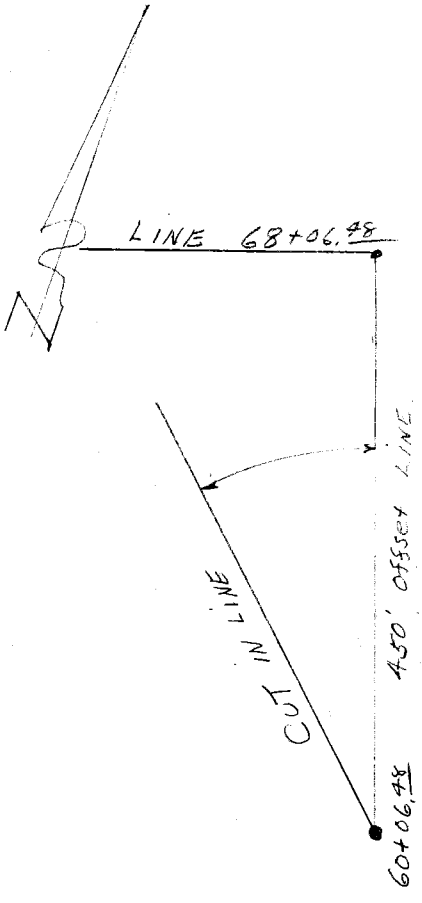
F. B. 2800 Pg. 134 Job No. 0300.02 Division No. 11 Notes Red. Plotted
Survey of HYDROGRAPHIC SURVEY Date Date No.
Survey by RICHARDS Notes Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No. Profile

Inst. At	Sight On	Time	Angle No.	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
60+06.48	87+37.53	10:27	1	77°	15'			
			2	76°	00'			
			3	74°	45'			0680008
			4	73°	35'			
			5	71°	55'			
			6	70°	15'			0680010
			7	68°	30'			
			8	66°	00'			
			9	64°	25'			0680012
			10	62°	35'			
			11	60°	05'			
			12	57°	20'			0680014
			13	53°	30'			
			14	49°	50'			
			15	47°	45'			0680016
			16	45°	30'			
			17	43°	30'			
			18	40°	50'			0680018
			19	37°	20'			
			20	33°	50'			
			21	30°	35'			0680020
		10:34	22	27°	50'			
				00	00			
				00	00			0680022



76-L298 CE 307 3-61

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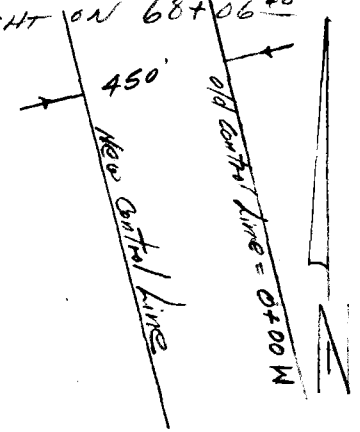
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 68+06 48 N
T.P.	10.78	18.83		8.05	(from Range 64+06 48 N @ 518 W)
	4.77	19.19	4.41	14.42	
			4.5	14.7	168' W (W) edge of Parking Lot
			3.8	15.4	270 W break
			5.2	14.0	356 W flat
			5.23	13.86	450 W " (on 1x2)
			4.8	14.4	490 W Top of break
			7.2	12.0	491 W bottom " "
T P.	040	8 08	11.51	7.68	520 W Slope (TP)
			3.4	4.7	544 W " HI TIDE
			7.6	0.5	#1 19° 18' AT 64+06 48
			9.1	-1.0	2 23 50 SIGHT ON 68+06 48
			10.5	-2.4	3 31 16
			10.0	-1.9	4 37 45
			10.6	-2.5	5 41 20
			14.1	-6.0	6 48 57
			17.1	-9.0	7 54 04



Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300 02 Division No. 11 F.B. 2800 Pg. 135
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge & Dreier Date 2-3-76
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2800 Pg. 136

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 3-61

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76-L298 CE 307 3-61

PLEASE RETURN TO
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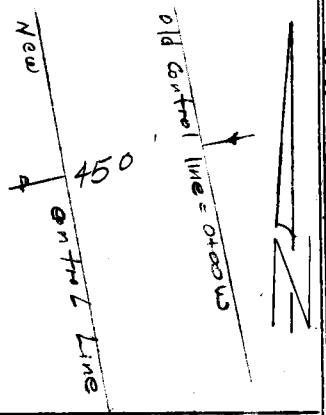
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 72+06 48 N	
TP	11.31	18.99		7.68	(from Range 68+06	48N @ 520' W)
	4.65	19.18	4.46	14.53		
			4.3	14.7 14.9	186 W (W) (edge	of Parking lot)
			3.3	15.9	260 W break	
			4.3	14.9	350 W "	
			4.98	14.20	450' W " (on	1x2)
			4.7	14.5	481 W Top of	break
			6.5	12.7	482 W bottom "	"
T. P.	0.49	7.79	11.88	7.30	515 W slope	(on 1x2) T.P
			19.5	-11.7	(EST.) 1 35° 05'	⊼ AT 64+04
			16.7	-8.9	2 33 03	SIGHT ON 72+06 48
			13.0	-5.2	3 28 28	
			13.0	-5.2	4 23 47	
			11.2	-3.4	5 20 18	
			10.8	-3.0	6 18 34	
			10.4	-2.6	7 15 43	
			9.5	-1.7	8 12 53	
			9.4	.04	9 10 01	
			31	.47	538 W. HI TIDE LINE	



Profile No. ____ Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. [illegible] Pg. 137
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge & Preiser Date [illegible]
Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date [illegible]

F.B. 2800 PG. 138 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed E. J. GALLI Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 Cdb 12-62

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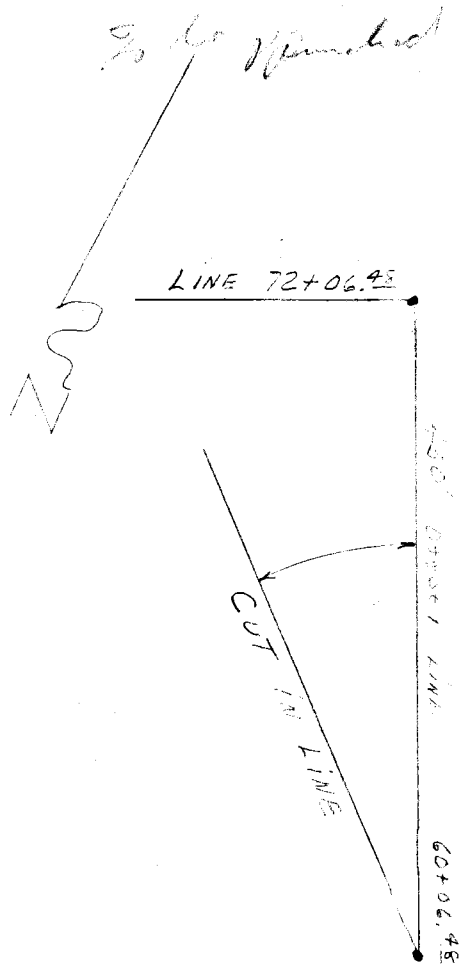
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
60+06.48	27+37.53	10:45	1	68°	55'			
			2	67°	05'			
			3	65°	40'			0720003
			4	64°	10'			
			5	62°	30'			
			6	60°	10'			0720010
			7	58°	05'			
			8	55°	50'			
			9	52°	30'			0720012
			10	49°	30'			
			11	45°	25'			
			12	42°	35'			0720014
			13	38°	55'			
			14	35°	15'			
			15	33°	20'			0720016
			16	30°	30'			
			17	28°	05'			
			18	25°	30'			0720018
			19	22°	00'			
		10:50	20	20°	50'			
				00	00			0720020



Profile Notes Red. Plotted Job No. Division No. 11 F. B. 2800 Pg. 139
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by Notes R.T. Date
No. Date Date Map No. Indexed G. A. GALLI Date

76L298 307 Cdb 12-62

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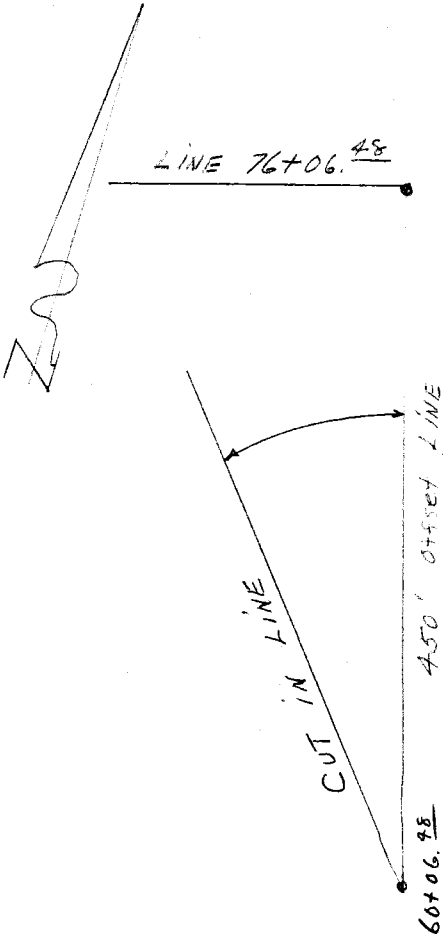
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
60+06.48	87+37.53	10:59	1	62°	35'			
			2	60°	10'			
			3	58°	15'			0760008
			4	56°	35'			
			5	54°	25'			
			6	51°	35'			0760010
			7	48°	55'			
			8	45°	50'			
			9	42°	50'			0760012
			10	40°	20'			
			11	36°	35'			
			12	33°	50'			0760014
			13	31°	45'			
			14	30°	15'			
			15	28°	30'			0760016
			16	26°	15'			
			17	24°	20'			0760018
			18	22°	05'			
			19	19°	55'			
			20	18°	20'			0760020
			21	16°	05'			
		11:05	22	14°	35'			
				0	0			0760022



F. B. 2800 Pg. 140 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

76-L298 CE 307 3-61

PLEASE RETURN TO
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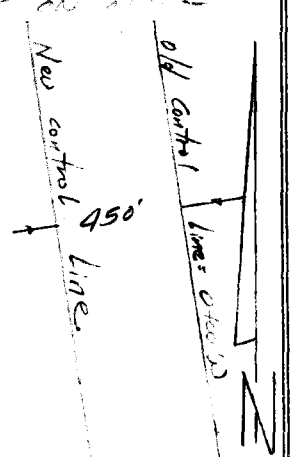
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 76+06 48N)	
T.P.	11.80	19.10		7.30	(from Range 72+06 48N @ 515' W)	
T.P.	4.98	19.32	4.76	14.34		
			5.2	14.1	190 W (W) edge of Parking Lot	
			5.5	13.8	270 W flat	
			5.9	13.4	386 W "	
			5.09	14.23	450 W "	
			4.9	14.4	477 W Top of break	
			6.3	13.0	479 W bott. of "	
T. P.	0.75	7.79	12.28	7.04	514 W slope (T.P.)	
			3.1	4.7	536 W " HI TIDE	↑ ON 72+06 48
			4.2	3.6	550 W "	SIGHT ON [illegible]
			8.6	-0.1	600 W " E	
T.P.	1.72	3.41	6.10	1.69	T.P.	
			5.6	-2.2	#1 24 53	
			5.1	-1.7	2 32 38	
			5.7	-2.3	3 40 29	
			7.0	-3.6	4 45 47	
			8.2	-4.8	5 48 49	
			10.7	-7.3	6 52 33	
			13.2	-9.8	7 54 42	



Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.01 Division No. 11 F.B. 2800 Pg. 141
Date ____ Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge Date
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3800 PG. 142 | Job No. 030002 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L288 CE 307 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

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76-L298 CE 307 3-61

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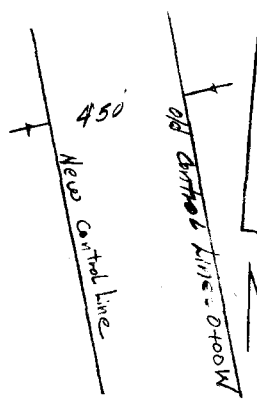
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 80+06 48 N	
T.P.	11.70	18.74		7.04	(from Range 76+06	48 N @ 514' W)
T.P.	4.93	18.68	4.99	13.75		
			4.1	14.6	186 W (w) edge	of Parking Lot
			5.5	13.2	270 W flat	
			5.7	13.0	350 W "	
			4.68	14.00	450 W " (on 1x2)	
			4.6	14.1	472 W Top of break	
			6.7	12.0	474 W bottom "	"
T.P.	0.38	7.26	11.80	6.88	508 W slope	(T.P.)
			2.6	4.7	529 W " HI TIDE	⊼ AT 72+06 48
			4.7	2.6	550 "	SIGHT ON 80+06 4
T.P.	1.24	1.39	5.11	2.15	T.P. "	
			4.0	-2.6	580 "	
			15.3	-13.9	#1 1044 36 36	
			10.8	-9.4	2 935 31 15	
			7.8	-6.4	3 836 25 45	
			5.4	-4.0	4 759 21 08	
			4.5	-3.1	5 708 17 52 TOP SAND BAR	
			5.8	-4.4	6 647 13 50	
			5.3	-3.9	7 613 11 30	



Profile No. ____ Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 2800 Pg. 143
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge Date ____
Date ____ Date ____ Map No. ____ Indexed G. L. GALLI Date ____

F. B. 2800 PG. 144 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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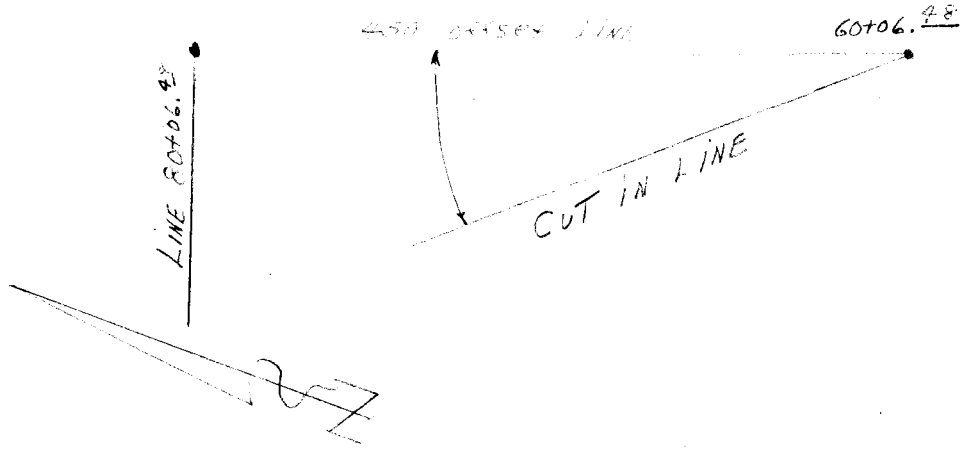
Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. _____ F. B. 2800 Pg. 145

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

Notes Chkd. _____ Checked _____ Survey by R. HARDS Notes R.T. Date 2-3-66

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



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
60+06.48	87+37.53	11:15	1	60°	05'			
			2	58°	35'			
			3	57°	00'			0800006
			4	55°	05'			
			5	53°	30'			
			6	51°	10'			0800008
			7	48°	40'			
			8	46°	15'			
			9	43°	25'			0800010
			10	40°	10'	2138		
			11	37°	20'	1075		
			12	34°	05'	1303		0800012
			13	30°	40'	1186		
			14	27°	25'	1487		
			15	24°	15'	1351		0800014
			16	21°	20'	1231		
			17	19°	30'	1158		
			18	18°	00'	1100		0800016
			19	16°	20'			
			20	14°	45'	987		0800018
		11:20	21	13°	45'	939		

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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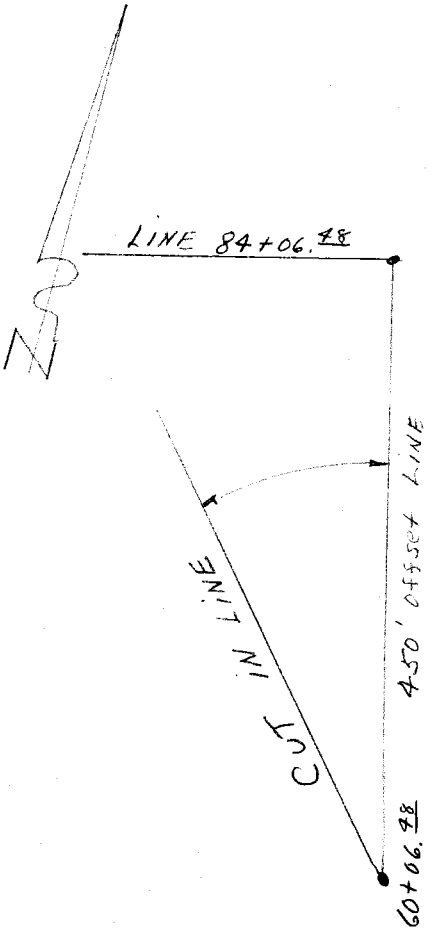
F. B. 2800 PG. 146 Job No. 0300.02 Division No. 11 Notes Red. Plotted
Profile No. Date Date
X-Sec. No. Notes Chkd. Checked
Date Date
Survey of HYDROGRAPHIC SURVEY
Survey by RICHARDS Notes R.F.
Indexed C. J. GALLI Date

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					
60+06.48	87+37.53	11:30	1	53°	30'			
			2	51°	10'			
			3	49°	25'			0840006
			4	47°	15'			
			5	45°	30'			
			6	43°	15'			0840008
			7	40°	45'			
			8	37°	55'			
			9	35°	25'			0840010
			10	32°	20'	1867		
			11	29°	40'	1817		
			12	26°	35'	1761		0840012
			13	23°	10'	1677		
			14	19°	35'	1604		
			15	16°	25'	1157		0840014
			16	14°	30'	1071		
			17	13°	25'	1022		
			18	11°	50'	953		0840016
		11:35	19	11°	15'	927		
				0	0			
				0	0			0840018



76-L298 CE 307 3-61

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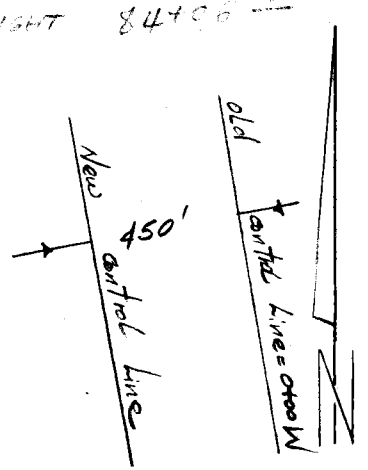
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 84+06 48 N
T.P.	11.61	18.49		6.88	(from Range 80+06 48 N @ 508 W)
T.P.	4.83	18.78	4.54	13.95	
			4.6	14.2	190 W. (W) edge of Parking Lot
			5.3	13.5	275 W. flat
			6.3	12.5	362 W. "
			4.87	13.91	450 W " (on 1x2)
			4.8	14.0	475 W Top of break
			6.7	12.1	476 W bottom "
T. P.	0.18	715	11.78	7.00	515 W slope (T.P.)
			2.4	4.8	535 W HI. TIDE "
			3.7	3.5	550 W "
			7.9	-0.7	600 W "
T.P.	2.42	2.93	6.67	0.51	T.P.
			4.80	-1.9	#1 642 25 36
			4.3	-1.4	2 667 28 15
			4.6	-1.1	3 715 33 31 TOP SAND BAR
			5.4	-2.5	4 812 42 08
			7.5	-4.6	5 813 47 56
			10.5	-7.6	6 972 52 31
			15.1	-12.2	7 1074 57 21

⊼ ON 80+06 48/48
SIGHT 84+06



Profile Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 2800 PG. 147
No. ____ Date ____ Date ____ Survey of Beach Erosion + Dredge
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge Date 2-3-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLE Date ____

F.B. 2800 PG. 148 | Job No. 0700.02 Division No. 11 | Notes Red | Plotted | Profile

Survey of BEACH EROSION | Date | Date | No.

Survey by C. J. GALLI | Notes | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

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

76-L298 CE 307 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

Do not extend notes this side of this line.

76-L298 CE 307 3-61

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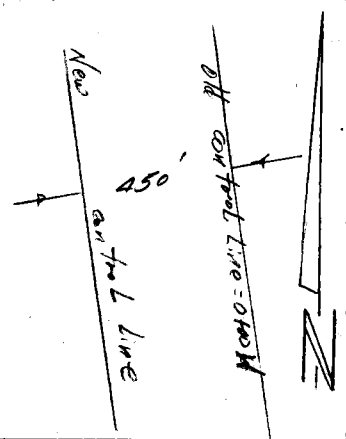
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 87+87 17 N	
T.P.	11.00	18.00		7.00	(from Range 84+06 48 N @ 515 W.)	
T.P.	12.29	29.47	0.82	17.18		
N-2			5.32	24.15	N-2	Elev. = 24.111
					Brass disc marked N-2, in road, per FB 2100-170	
BM N-2	1.50	25.61		24.11	N-2	Elev. = 24.111
					Brass disc, marked N-2, in road, per FB 2100-170	
			0.4	25.2	0+00' W ctr. of Rd	
			1.0	24.6	20' W (W) edge of Rd.	
			1.4	24.2	60' W flat	
			2.2	23.4	120' W top of break	
			7.9	17.7	1[illegible] W bott of "	
			11.2	14.4	230' W flat	
			11.8	13.8	320' W "	
			11.3	14.3	440' W Top of break	
T. P.			12.16	13.45	450' W Slope (1x2)	

CONT.



Profile Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 2800 Pg. 149
No. ____ Date ____ Date ____ Survey of Beach Erosion & Dredge
X-Sec. Notes Chkd. ____ Checked ____ Survey by Vogel Notes Vogel Date 2-7-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	RANGE 87+87.17	
T.P.	017	13 62		13 45	T.P. 450 W.	⊼ AT 95+87.17
			46	.90	475 W. ON SLOPE	SIGHT ON 87+87.17
SEE PG 159 FOR			89	.47	#1 5° 14'	
RE-RUN.			111	.25	2 9° 44'	
			134	+.02	3 11° 40'	ROUGH WATER
			169	-.33	4 16° 33'	
			179	-.43	5 21° 19'	
			170	-.34	6 24° 37'	
			183	-.47	7 28° 45'	

F.B. [illegible] Pg. 150

Job No. [illegible] Division No. Notes Red Plotted Profile

Survey of BEACH EROSION Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

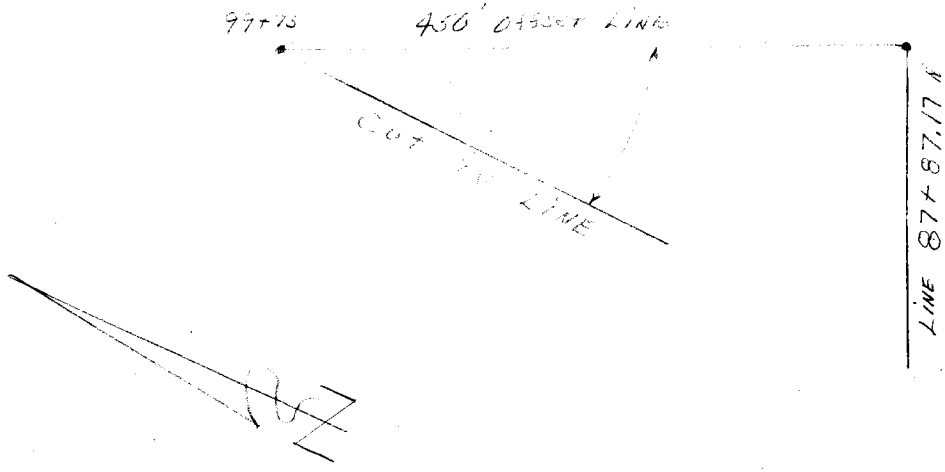
Indexed C. J. GALLI Date Date Date No.

Profile No. _____ Notes Red. _____ Plotted _____ Job No. [illegible] Division No. 11 | F. B. 2300 Pg. 151

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

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes _____ Date 2-7-66

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



FOR RERUN SEE Pg. 161

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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG. DIST	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
99+75	87+37.53	10:08	1	68°	45'			
			2	66°	20'			
			3	64°	00'			0878706
			4	62°	50'			
			5	61°	20'			
			6	60°	10'			0878708
			7	58°	25'			
			8	56°	20'			
			9	53°	50'			0878710
			10	51°	05'	1921		
			11	47°	30'	1746		
			12	44°	25'	1614		0878712
			13	40°	15'	1456		
			14	37°	10'	1350		
			15	33°	45'	1244		0878714
			16	29°	40'	1127		
			17	26°	05'	1031		
			18	23°	40'	970		0878716
			19	20°	10'	886		
			20	17°	40'	828		
		10:15	21	15°	20'	775		0878718

76L298 307 Cdb 12-62

F. B. 2800 Pg. 152 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEY Date _____ Date _____ No. _____

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

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

76L298 307 Cdb 12-62

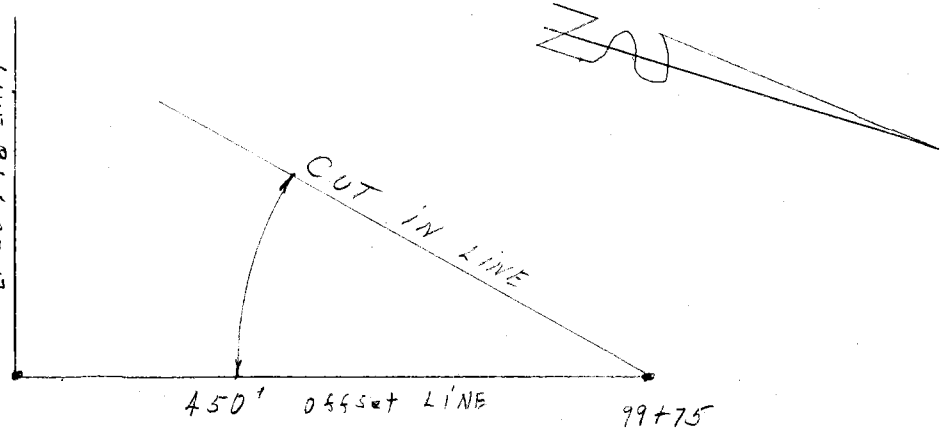
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

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.
99+75 Don't Punch	87+87.53 Don't Punch	10:30 Don't Punch	1 Don't Punch	73°	50'			
			2	73°	05'			
			3	71°	20'			0918706
			4	69°	30'			
			5	67°	25'			
			6	65°	50'			0918708
			7	64°	05'			
			8	61°	15'			
			9	57°	55'			0918710
			10	55°	05'			
			11	52°	15'			
			12	48°	30'			0918712
			13	45°	30'			
			14	41°	45'			
			15	37°	35'			0918714
		10:37	16	34°	35'			
				00	00			
				00	00			0918716
				80°	00			
				00	00			
				00	00			0918718

FOR SECOND RUN SEE PG. 165



76-L298 CE 307 3-61

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

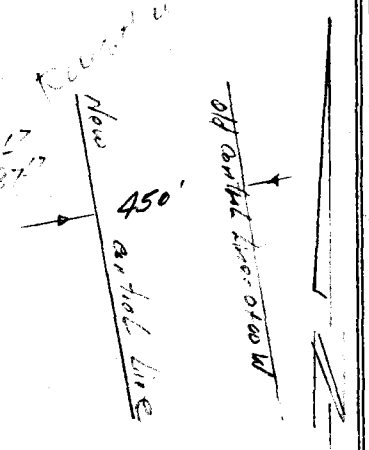
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 91+87 17 N
T.P.	5.82	19.27		13.45	(from Range 87+87 17 N @ 450' W.)
T.P.	11.47	27.50	3.24	16.03	
			2.5	25.0	0+00 W ctr. of Rd.
			2.8	24.7	10' W (W) edge of Rd. & bott. of break
			0.4	27.1	25' W top of break
			4.8	22.7	108' W " " "
			9.7	17.8	140' W bottom of break
			12.3	15.2	230' W flat
T.P.	3.91	19.22	12.19	15.31	(1x2)
			4.6	14.6	320 W flat
			4.5	14.7	372 W "
			4.5	14.7	438 W top of break
T.P.	0.19	12.97	6.44	12.78	450 W slope (on 1x2)
			4.0	9.0	473 W
			8.3	4.7	508 W
			17.8	-4.8	#1
			16.3	-3.3	2
			15.5	-2.5	3
			16.3	-3.2	4
			10.2	2.8	5
			9.2	3.8	6

VOID
SEE PG. 163
FOR RE-RUN

AT 95+87 17
AT 87+87 17



Profile Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11 F.B. ____ Pg. 153
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2300 PG. 154

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 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

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.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 95+87 17 N	
T.P.	6.30	19.08		12.78	(from Range 91+87 17 N @ 450' W)	
T.P.	12.06	27.97	3.17	15.91		
			3.6	24.4	0+00 W	ctr. of Road
			4.3	23.7	20' W,	(W) edge of Road
			0.9	27.1	40' W	Top of break
			3.5	24.5	90' W	Edge " break
			9.6	18.4	136' W	bott. edge of break
T - P.	2.68	18.61	12.04	15.93		
			3.6	15.0	200' W	flat
			4.8	13.8	285 W	"
			4.8	13.8	375 W	"
			4.83	13.78	450 W	Top of break (on 1x2)
T.P.	0.19	11.76	7.04	11.57	470 W	slope (1x2)
			4.1	7.7	500 W	
VOID			7.1	4.7	530 W	
			9.3	2.5	#1 17° 11'	↑ AT 91+87 17 SIGHT 95+87 17
SEE PG. 167			12.3	-0.5	2 23 05	
FOR RE-RUN			12.5	-0.7	3 31 54	
			13.0	-1.2	4 37° 04	
			14.8	-3.0	5	45° 54'
			18.8	-7.0	6 EST 18 ROD	52° 19'

New 450 control line

Old con. tot line = 0+00

Profile Notes Red ____ Plotted ____ Job No. D3-8292 Division No. 11
No. ____ Date ____ Date 2-2-66 Survey of Beach Extension
X-Sec. Notes Chkd. ____ Checked ____ Survey by Vega Notes Chkd. ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLE Date ____

F.B. 2810 Pg. 155

F. B. 2800 PG. 156

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed G. J. GALLI Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO
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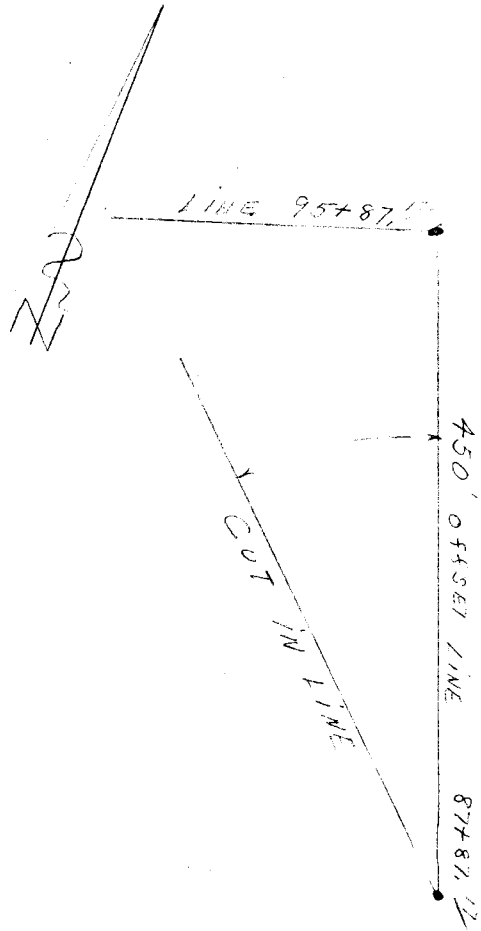
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
47+82.17	99+75	10:55	1	71°	45'			
			2	70°	05'			
			3	67°	45'			0958706
			4	65°	05'			
			5	63°	00'			
			6	60°	10'			0958708
			7	56°	50'			
			8	52°	50'			
			9	48°	30'			0958710
			10	44°	25'			
			11	40°	45'			
			12	34°	40'			0958712
		11:01	13	35°	35'			
				00	00			
				00	00			0958718
				00	00			
				00	00			
				00	00			0958720
				90°	00			
				00	00			
				00	00			0958722

FOR SECOND RUN SEE PG. 169



Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F. B. 800 Pg. 157
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes ____ Date 2-7-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. CALL Date ____

F. B. 2800 Pg. 158 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed G. J. GALLI Date Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

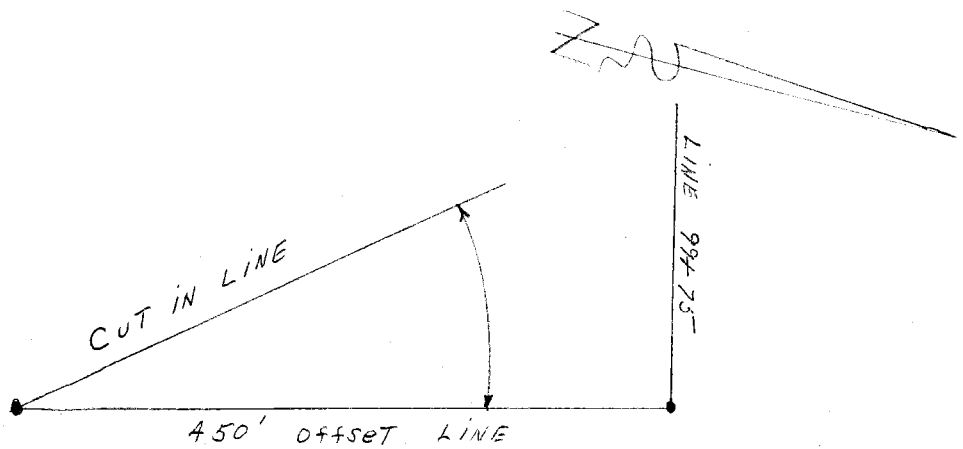
Do not extend notes this side of this line.

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

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
87+87.17	99+75	1116	1	64°	20'			
			2	61°	45'			
			3	59°	30'			0997506
			4	57°	25'			
			5	54°	15'			
			6	50°	45'			0997508
			7	0				
			8	0				
			9	0		90°	00	0997510
			10					
			11			00	00	
			12			00	00	0997512
						00	00	
						00	00	
						00	00	0997514

ROUGH WATER, HAD TO STOP RUNNING

FOR SECOND RUN SEE Pg. 173



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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	87+87 17 RERUN
T.P.	008	13 53		1345	TP. 450 W. CONT. FROM PAGE 150	
			20	11 5	459 W. BRK	
			34	71	500 W	
			89	47	530 W 4 TOP	T AT 95+87 17
T.P	1 57	[illegible]	7 90	5 [illegible]	T.P.	SIGHT ON 87+87 17
			47	25	#1 556 7° 35'	
			73	-01	2 600 11° 09	
			93	-21	3 640 13° 20	
			116	-44	4 737 19° 47	
			96	-24	5 822 24° 55	
			126	-54	6 893 28° 59	
			155	-83	7 968 32° 54	

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

F. B. 2400 Pg. 159

F.B. 2800 Pg. 160 | 6300.02

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed C. J. GALLI 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

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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

76L298 307 Cdb 12-62

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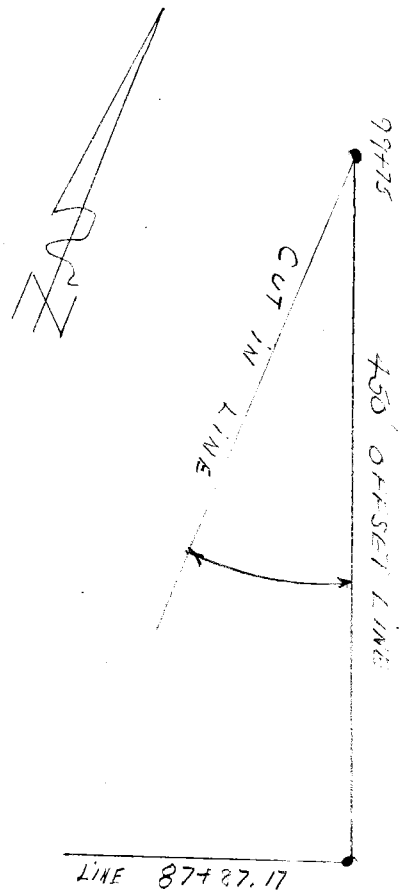
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
99+75	87+37.53	7:42	1	71°	15'			
			2	69°	40'			
			3	68°	20'			0878800
			4	66°	50'			
			5	65°	20'			
			6	62°	50'			0878808
			7	60°	10'			
			8	56°	45'			
			9	53°	00'			0878810
			10	50°	00'	1766		
			11	44°	30'	1617		
			12	37°	40'	1367		0878812
			13	33°	45'	1244		
			14	30°	10'	1140		
			15	26°	40'	1046		0878814
			16	24°	35'	993		
			17	22°	50'	926		
		7:48	18	20°	15'	888		0878816
			19	00	00			
			20	00	00			
				00	00			0878818

SECOND RUN. FOR FIRST RUN SEE P. 151



Profile Notes Red. ____ Plotted ____ Job No. 8800 Division No. 11 F. B. 3800 Pg. 161
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-9-66
No. ____ Date ____ Date ____ Map No. ____ Indexed R. J. [illegible] Date ____

F. B. 2800 PG. 162 Job No. 0300.02 Division No. 11 Notes Red. ____ Plotted ____ Profile

Survey of HYDROGRAPHIC SURVEY Date ____ Date ____ No. ____

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

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

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

Do not extend notes this side of this line.

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

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

76L298 307 Cdb 12-62

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE			91+87.17 RERUN
T.P.	085	13[illegible]		1278	450W.	T.P. CONT. FROM PAGE		(153) LKD
			7[illegible]	.63	500 W.			
			89	.47	520 W.			⊼ AT 95+87.17
T.P.	[illegible]57	828	692	.671	T.P.			SIGHT ON [illegible]
			[illegible]	-.132	#1 (EST. ROD)	53°	36'	Dist 543' . [illegible]
			173	-.90	#2	51	40	506' . 956
			128	-.45	#3	46	22	420' . 870
			116	-.33	#4	43	03	374' . 824
			119	-.36	5	31	07	241' . 691
			105	-.22	6	21	00	154' . 604
			59	-.06	7	18	05	131' . 591
								LKD

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 PG. 163
Date ____ Date ____ Survey of BEACH EROSION
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G.E. DREYER Notes G.E.D. Date 2-9-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2800 Pg. 164 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 Cdb 12-62

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

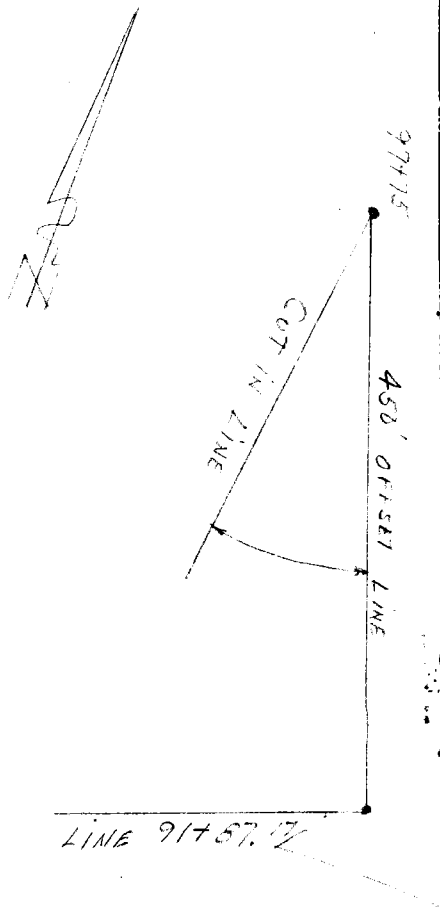
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	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.~~ DIST	MIN.	
99+75	87+37.53	7:50	1	76°	40'			
			2	75°	35'			
			3	74°	10'			0918806
			4	72°	50'			
			5	71°	35'			
			6	69°	50'			0918808
			7	67°	55'			
			8	65°	30'			
			9	62°	50'			0918810
			10	59°	30'	1787		
			11	55°	25'	1596		
			12	50°	45'	1414		0918812
			13	47°	50'	1320		
			14	45°	10'	1242		
			15	42°	45'	1178		0918814
			16	39°	50'	1107		
			17	36°	50'	1030		
	BACK TURNED AROUND		18	35°	15'	1007		0918816
			19	32°	35'	954		
			20	30°	05'	906		

SECOND RUN FOR FIRST RUN SEE PG. 152

CONT. PG.



Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. Checked Survey by DICKERSON Notes Date 2-9-66
No. Date Date Map No. Indexed G. J. GALL Date

F. B. 2000 Pg. 165

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2800 Pg. 166 Job No. 0300.07 Division No. 11 Notes Red. Plotted Profile

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

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

Indexed C. J. CALL Date Date Date No.

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	Count From Pg.				
99+75	87+37.53	8:02	21	270	45	864		0918818
				00	00			
				00	00			
				00	00			0918820
				90°	00			
				00	00			
				00	00			0918822
				00	00			
				00	00			
				00	00			0918824

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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.				95+87.17
T.P.	0 62	12 19		11 57	470 W. T.P. CONT. FROM PAGE 155			
			41	.8[illegible]	500 W ON SLOPE			
			75	.47	533 W. HI. WATER			
T.P.	1 84	73 [illegible]	6 64	.555				⊼ AT 91+87.17
			50	.24	#1	15°	00'	SIGHT ON 95+87.17
			73	.01	2	18	08	
			73	.01	3	22	59	
			80	-.06	4	30	54	
			87	-.13	5	36	00	
			101	-.27	6	44	37	
			138	-.64	7	58	45	
			178	-.104	8	54	14	

Dist	
557	1[illegible]7.
587	131.
6[illegible]	1[illegible]0.
689	[illegible]39.
731	[illegible]91.
846	395.
1109	659.
1005	553.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey by DREIER Notes [illegible] Date ____
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2800 PG. 167

F.B. 2800 Pg. 168 | 0300.02

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

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

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

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

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

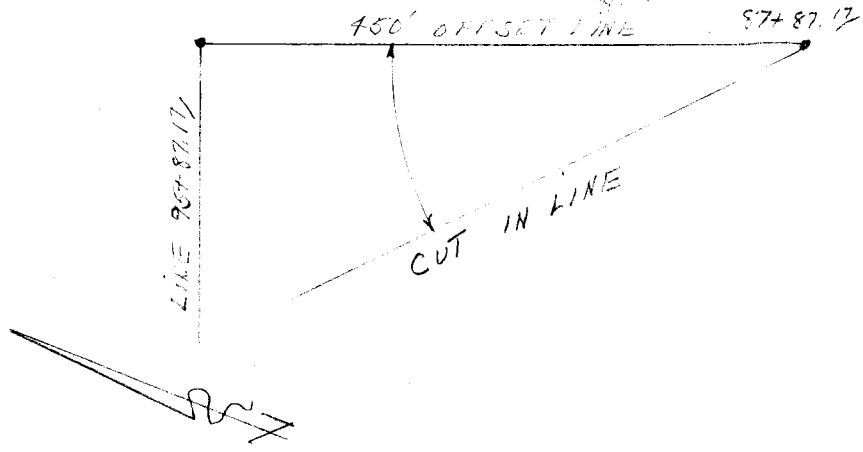
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.01 Division No. 11 | F. B. 2800 Pg. 169

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

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes B.J. Date 2-9-66

Date _____ Date _____ Map No. _____ Indexed C. J. GALLS Date FEB 2 3 '66



SECOND RUN; FOR FIRST RUN SEE Pg. 157

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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
87+87.17	99+75	8:26	1	78°	35'			
			2	77°	50'			
			3	77°	00'			0958806
			4	75°	55'			
			5	74°	50'			
			6	74°	00'			0958808
			7	72°	55'			
			8	71°	45'			
			9	69°	50'			0958810
			10	68°	05'			
			11	65°	50'	2233		
			12	63°	35'	2060		0958812
			13	61°	05'	1898		
			14	57°	50'	1722		
			15	54°	45'	1582		0958814
			16	51°	45'	1465		
			17	46°	45'	1306		
			18	42°	40'	1187		0958816
			19	39°	45'	1115		
			20	37°	10'	1056		

CONT. PG.

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				CONT. PG.	FROM			
87+87.12	99+75		21	34°	40'	1008		0958818
			22	33°	25'	968		
	BOAT TURNED AROUND		23	31°	60	931		
		8:33	24	26°	00	840		0958820
				00	00			
				00	00			
				00	00			0958822
				90°	00			
				00	00			
				00	00			0958824
				00	00			
				00	00			
				00	00			0958826

F. B. 2800 Pg. 170

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

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

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.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 99+75 N	
T.P.	5.90	17.47		11.57	(from Range 95+87.17 N @ 470' W)	
T.P.	11.87	28.52	0.82	16.65		
			3.8	24.7	0+00 W	Ct. of Rd.
			4.5	24.0	20' W	W. edge of Rd.
			3.3	25.2	85' W	Top of break
			10.8	17.7	135' W	bot. " "
			13.7	14.8	224' W	flat
T.P.	1.87	18.52	11.87	16.65	1+42	
			5.5	13.0	340 W	flat
			4.9	13.6	450 W	"
			2.3	16.2	496 W	Top of break
T.P.	0.35	71.3	11.74	6.78	577 W	Slope (slope)
			1.95	-12.4	EST. ROD. #1 1236 44° 57'	
			1.58	-8.7	2 1103 39° 41'	
			1.11	-4.0	3 973 33° 34'	
			7.5	-0.4	4 892 29 18	
			6.1	1.0	720' 5 (20 FT. LEFT LINE) 18°55'	
			5.0	2.1	664 6 (10 " " ") 15° 13'	
			3.4	3.7	617 7 11° 59'	
			2.4	4.7	605 W	
			0.4	6.7	577 W	

TRANS. AT 91+87.17
SIGHT ON 99+75

New 450 (on Ctrl line)
Old (on Ctrl line = 0+00 W)
720'

Profile No. ____ Notes Red ____ Plotted ____ Job No. 53-02-02 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion Survey by Vogt Notes Vogt Date 2-9-66
Notes Chkd. ____ Checked ____ Map No. ____ Indexed C. J. GALLI Date FEB 23
Date ____ Date ____

F.B. 22800 PG. 171

F. B. 2800 PG. 172 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

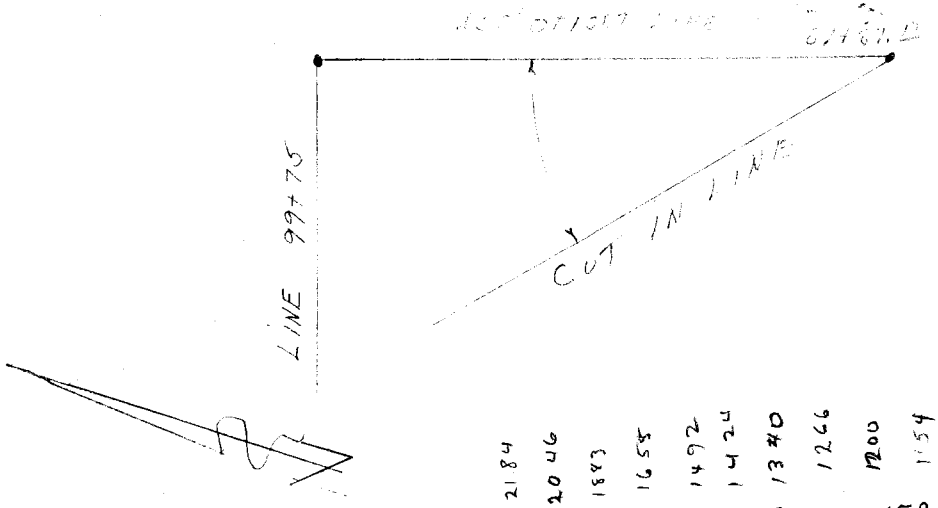
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. _____ F. B. [illegible] Pg. 173

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

Notes Chkd. _____ Checked _____ Survey by [illegible] Notes _____ Date 3-9-66

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



SECOND RUN, FOR FIRST RUN SEE PG. 158

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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
87+87.17	99+75	[illegible]	1	[illegible]	[illegible]	3,826		
			2	71°	10'	3,483		
			3	[illegible]	55'	3,249		0997606
			4	68°	40'	3,042		
			5	67°	10'	2,822		
			6	[illegible]	[illegible]	2,557		0997608
			7	62°	40'	2,293		
			8	60°	45'	2,121		
			9	58°	35'	1,945		0997610
			10	55°	35'	1,734		
			11	53°	20'	1,596		
			12	50°	20'	1,483		0997612
			13	45°	25'	1,205		
			14	41°	15'	1,042		
			15	39°	20'	974		0997614
			16	36°	50'	890		
			17	34°	30'	816		
			18	32°	15'	750		0997616
			19	30°	40'	704		
			20	31°	40'			

CONT. PG.

Boat turned around.

76L298 307 Cdb 12-62

76L298 '97 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.	
Don't Punch	Don't Punch	Don't Punch	Don't Punch						
87+87.12	99+75			Cont. From Pg					
			21	29°	55'	68	4	0997618	1134
	Boat Turned Around		22	29°	05'	66	1		1111
		8:54	23	27°	40'	62	2		1072
				00	00			0997620	
				00	00				
				00	00				
				00	00			0997622	
				90°	00				
				00	00				
				00	00			0997624	
				00	00				
				00	00				
				00	00			0997626	

F. B. 2800 Pg. 174 Job No. 0300.02 Division No. 11 Notes Red. Plotted. Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked.

Indexed G. GALL Date Date Date No.

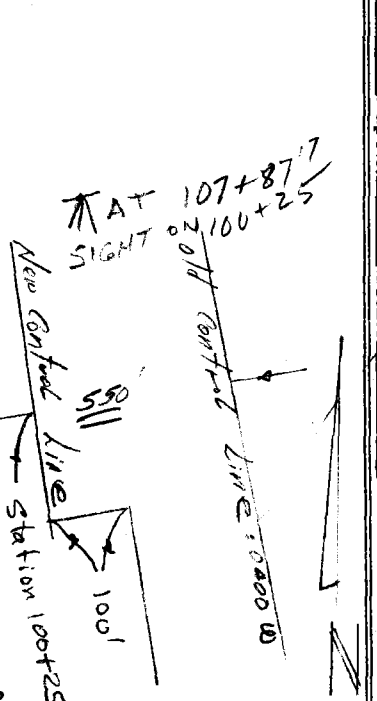
76-L299 CE 307 3-61

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.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 100+25N
TP	10.84	17.62		6.78	(from Range 99+75N @ 577' W)
TP	10.62	27.24	1.00	16.62	
			2.4	24.8	040 W ct of Road
			2.9	24.3	20 W W. edge of Road
			4.4	22.8	100' W. top of break
			8.3	18.9	125' W. bott. "
			12.1	15.1	230' W. flat
			14.6	12.6	317 W flat
T. P	1.78	18.40	10.62	16.62	TP. (1x)
			7.1	11.3	390' W. flat
			5.2	13.2	480' W flat
			2.5	15.9	505' W top of bnk
			5.0	13.4	556 W flat
			5.1	13.1	642 W top of bnk
T.P.	0.77	8.13	11.04	7.36	690 W slope (TP)
			1.5	6.6	700 W
			5.6	2.5	#1 16° 43' 679'
			9.2	-1.1	2 20 24 733
			14.4	-6.3	3 26 41 833
			16.4	-8.3	4 33° 35' 956
			18.5	-10.4	5 EST. ROD. 36° 35' 1016



Profile No. X-Sec. No.
Notes Red Date Notes Chkd. Date
Plotted Date Checked Date
Job No. 0307 Division No. 11
Survey of Beach Erosion Protection
Survey by Crew Notes Date 2-9-66
Map No. Indexed G. J. GALLI Date
F.B. 2800 Pg. 175

F.B. 2800 PG. 176

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed C. [illegible] Date _____ Date _____ Date _____ No. _____

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

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

Do not extend notes this side of this line.

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

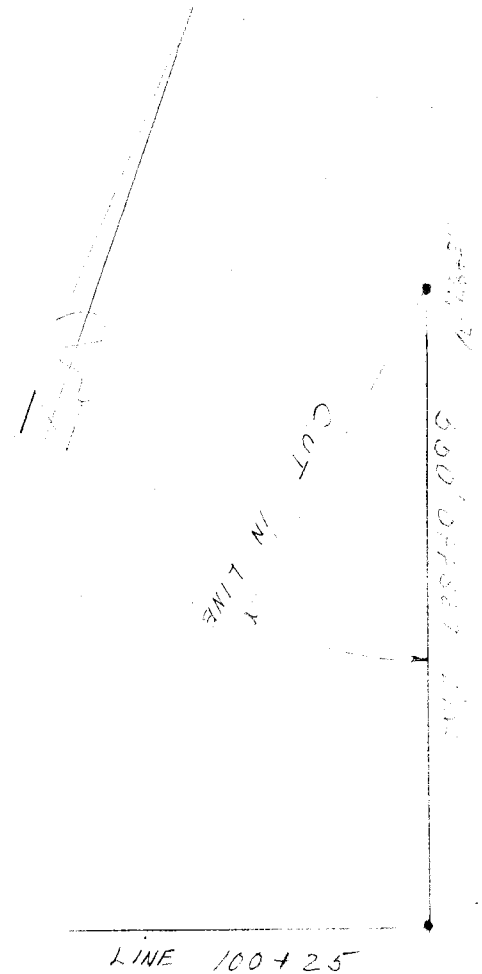
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
115+87.[illegible]	100+25	9:20	1	65°	45'			
			2	63°	25'			
			3	61°	30'			1002506
			4	59°	10'			
			5	56°	20'			
			6	53°	10'			1002508
			7	51°	00'			
			8	48°	30'			
			9	44°	55'	2008		1002510
			10	41°	05'	1812		
			11	37°	05'	1631		
			12	32°	10'	1432		1002512
			13	29°	20'	1328		
			14	26°	50'	1240		
			15	25°	15'	1187		1002514
			16	23°	10'	1118		
			17	21°	25'	1063		
			18	19°	20'	998		1002516
			19	17°	35'	945		
		9:26	20	17°	10'	932		

over



Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 11 F. B. [illegible] Pg. 177

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes B.T. Date 2-9-66

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			1002518
				00	00			
				00	00			
				00	00			1002520
				90°	00			
				00	00			
				00	00			1002522
				00	00			
				00	00			
				00	00			1002524

Profile

F. B. 2800 Pg. 178 Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Notes Date Date

Survey by RICHARDS Notes Chkd. Checked

Indexed C. J. GALLI Date Date Date

X-Sec. No. No.

76-L295 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.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.				
					Range 103+87.7 N			
T.P.	11.63	18.99		7.36	(from Range 100+25 N @ 690' W)			
T.P.	11.60	24.54	6.05	12.94				
			+6.0	30.5	0+00 W	ctr. of Rd.		
			+6.0	30.5	20' W.	(W) Edge of Rd		
			+4.4	28.9	70' W.	Top of break.		
			6.0	18.5	130 W	bott. of Break		
			12.1	12.4	230 W	break		
			12.8	11.7	330' W	flat		
T.P.	6.20	19.14	11.60	12.94	TP (1x2)			
			7.1	12.0	430 W	flat		⊼ AT 107+87
			4.9	14.2	520' W	"		LIGHT ON 100+25
			4.5	14.6	618 W	"		
			4.4	14.7	675 W	Top of break		
T.P.	1.08	3.43	11.79	7.35	715 W			
			3.7	4.7	741 W.			
			18.6	-10.2	*1	63° 08'	2055	
			15.4	-7.0	2	53 25	1577	
			11.8	-3.4	3	48 15	1404	
			9.9	-1.5	4	41 58	1093	
			8.6	-0.2	5	35 28		
			7.0	+1.4	6	31 13	1012	
			5.2	+3.2	7	27 31	947	

Off Control Line - Stored

New Control Line

550'

Profile Notes Red ____ Plotted ____ Job No. 8002 Division No. 11
No. ____ Date ____ Date ____ Survey of Beach Engineers
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F.B. 2800 Pg. 79

F.B. 2800 Pg. 180 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed G. J. GALLI Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

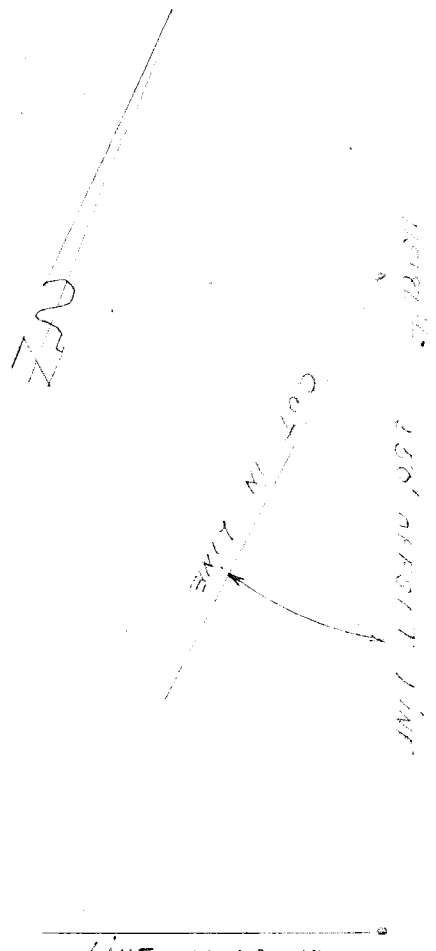
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
115+87.17	100+25	9:33	1	69°	00			
			2	66°	50'			
			3	65°	05'			1038704
			4	62°	40'			
			5	61°	05'			
			6	59°	15'			1038706
			7	57°	05'			
			8	54°	35'			
			9	51°	45'	2072		1038708
			10	47°	55'	1879		
			11	43°	20'	1678		
			12	39°	00'	1522		1038710
			13	34°	45'	1382		
			14	30°	40'	1262		
			15	28°	40'	1206		1038712
			16	26°	10'	1140		
			17	23°	40'	1076		
		9:39	18	23°	05'	1061		1038714

OVER



Profile Notes Red. Plotted Job No. Division No. F. B. Pg. 181

No. Date Date Survey of

X-Sec. Notes Chkd. Checked Survey by Notes R.T. Date 2-9-66

No. Date Date Map No. Indexed C. J. GALLI Date FEB 2 3 '66

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			1038716
				90°	00			
				00	00			
				00	00			1038718
				00	00			
				00	00			
				00	00			1038720

Profile

F. B. 2800 Pg. 182 Job No. 0300.02 Division No. 11 Notes Red. Plotted

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed G. J. GALU Date Date Date No.

76-L298 CE 307 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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 107+87 LN	
T.P.	11.48	1883		735	(from Range 103+87 LN @ 715' W)	
T.P.	10.34	27.52	1.65	17.18		
			2.7	24.8	0+00 W Ctr of	Road
			2.4	25.1	20' W (W) edge	of Rd.
			3.9	23.6	90' W Top of	break
T.P.	1.41	18.59	10.34	17.18		
			3.9	14.7	200' W. both of	break
			5.9	12.7	280 W Slat	
			7.3	11.3	386 W "	
			6.3	12.3	450 W "	
			3.5	15.1	550 W "	
			3.1	15.5	667 W Top of	break
T.P.	1.09	9.00	10.68	7.91	706 W Slope	T.P.)
			4.3	4.7	732	⊼ AT 103+87 LN
			6.7	2.3	#1 732 29° 03'	SIGHT ON 107+87 LN
			8.5	0.5	2 922 34 15	
			9.5	-1.05	3 970 38 42	
			12.2	-3.2	4 1032 50 18	
			19.5	-10.5	5 (ESTIM. ROD) 1108 54° 22'	

Old centerline (circled)
550'
Was centerline this

Profile Notes Red ____ Plotted ____ Job No. 0300-02 Division No. 11
No. ____ X-Sec. Date ____ Date ____ Survey of Beach Erosion & Dredge
No. ____ Notes Chkd. ____ Checked ____ Survey by Vogel Notes Vogel Date 2-9-76
Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

F.B. 2800 Pg. 183

F.B. 2800 Pg. 184 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed G. J. GALLI Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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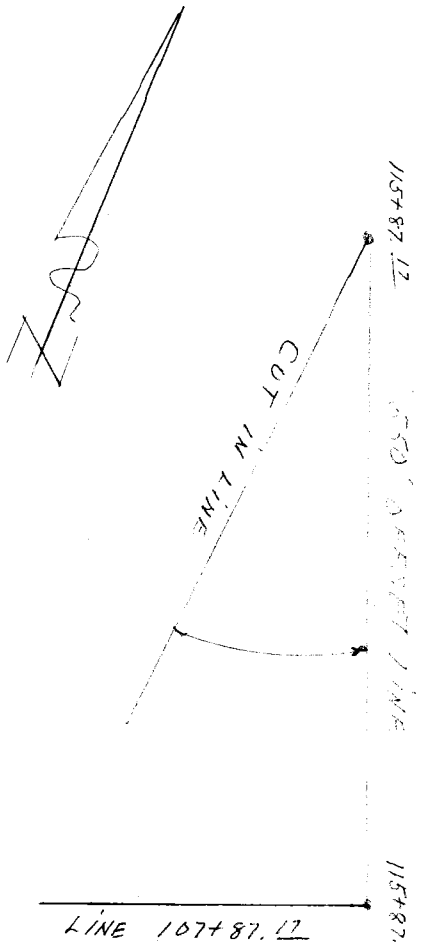
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
115+87.17	100+25	9:55	1	74°	30'			
			2	72°	50'			
			3	71°	20'			1078706
			4	69°	15'			
			5	67°	00'			
			6	65°	00'			1078708
			7	62°	20'	2076		
			8	58°	30'	1856		
			9	53°	20'	1625		1078710
			10	49°	40'	1492		
			11	45°	55'	1376		
			12	41°	45'	1264		1078712
			13	36°	45'	1147		
			14	34°	25'	1098		
			15	31°	30'	1040		1078714
		10:00	16	30°	05'	1013		
				00	00			
				00	00			1078716

OVER



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

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes P.J. Date 9-9-66

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

F. B. 2800 PG. 186 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEY Date _____ Date _____ No. _____

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

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
				00	00			
				00	00			
				00	00			1078718
				90°	00			
				00	00			
				00	00			1078720
				00	00			
				00	00			
				00	00			1078722

76-L298 CE 307 3-61

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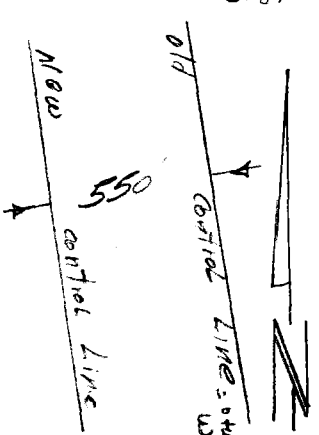
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 112+87 17 N	
T.P.	10.29	18.20		7.91	(from Range 107+87 17 N @ 706 W)	
T.P.	11.48	28.06	1.62	16.58		
			3.0	25.1	0+00 W ctr. of Rd	
			3.5	24.6	20' W W edge of Road	
			2.4	25.7	40' W top of break	
			3.9	24.2	70' W edge " "	
			4.9	16.2	150' W bott. of break	
T.P.	0.49	17.07	11.48	16.58	TP (1x2)	
			3.4	13.7	260' W flat	
			4.6	12.5	350' W "	
			5.0	12.1	440' W "	
			3.1	14.0	550 W "	
			2.2	14.9	665 W Top of break	
T.P.	1.08	7.87	10.28	6.79	715 W slope (TD)	
			3.1	4.8	741 W. HI WATER	
			18.6	-10.7	# 1 1082 EST. ROD 30° 36'	
			15.4	-7.5	2 1006 26 51	
			11.8	-3.9 -2.9	3 903 21 24	
			9.9	-2.0	4 848 18 20	
			8.6	-0.7	5 793 15 08	
			7.0	0.9	6 756 12 52	
			5.2	2.7	7 732 11° 26'	

TRANSIT AT 103+87 17
SIGHT ON 112+87 17



Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300 Division No. 11 F.B. 2800 Pg. 187
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion & BREIER 2-9-66
Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge Date
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date

F.B. 2800 Pg. 188

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

Do not extend notes this side of this line.

76-L.298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 Cdb 12-62

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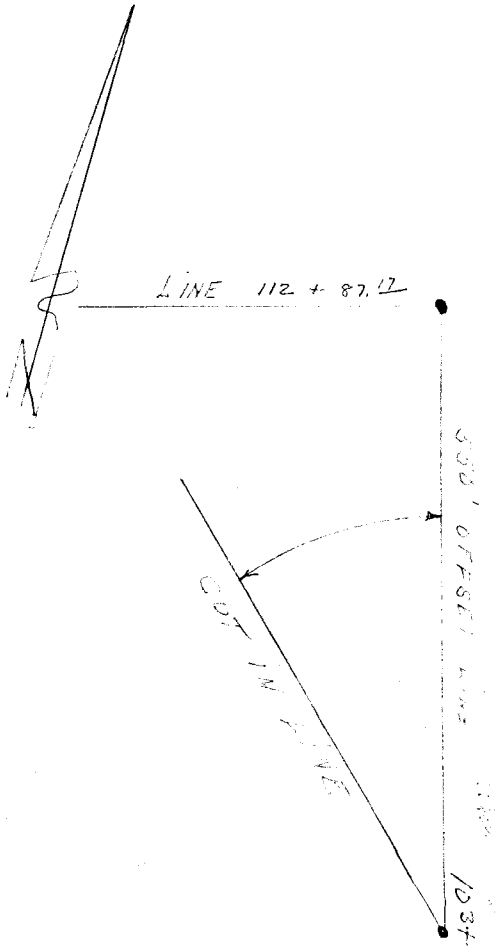
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
103+87.17	117+96.94	10:21	1	74°	00'			
			2	72°	45'			
			3	70°	45'			1128706
			4	69°	15'			
			5	67°	55'			
			6	65°	45'			1128708
			7	63°	25'			
			8	60°	20'			
			9	57°	10'	1944		1128710
			10	53°	20'	1759		
			11	49°	35'	1607		
			12	45°	05'	1453		1128712
			13	41°	40'	1350		
			14	38°	45'	1272		
			15	36°	25'	1214		1128714
			16	34°	10'	1161		
Boat Turned AROUND		2	17	33°	00'	1134		
			18	30°	10'	1073		1128716
		10:27	19	28°	40'	1042		
				00	00			
				00	00	OVER		1128718



Profile Notes Red. Plotted Job No. Division No. F. B.
No. Date Date Survey of HYDROGRAPHIC SURVEY Pg. 189
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes RT Date 2-9-66
No. Date Date Map No. Indexed C. J. GALLI Date FEB 23 '66

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

F. B. 2800 Pg. 190 Job No. 0390.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked No.

Indexed R. J. GALLI Date Date Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			1128720
				90°	00			
				00	00			
				00	00			1128722
				00	00			
				00	00			
				00	00			1128724

76-L298 CE 307 3-61

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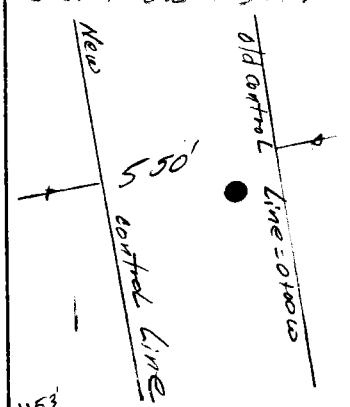
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 115+87 17 N	
T.P.	10.72	17.51		6.79	(from Range 112+87 17 N @ 715 W)	
T.P.	11.44	27.50	1.45	16.06		
			1.9	25.6	0+00 W Ctr of Road	
			2.1	25.4	10' W W edge of Rd	
			0.3	27.2	20' W Top of Break	
			4.4	23.1	92' W edge of Break	
			11.8	15.7	168' W bott. of "	
T - P	1.38	17.44	11.44	16.06	TP (1x2)	
			4.0	13.4 13.0	250' W flat	
			6.8	10.6	347' W break	
			4.9	12.5	448' W flat	TRANSIT AT 112+87
			4.1	13.3	550' W "	SIGHT ON 115+87
			2.8	14.6	670 W Top of break	
T.P.	0.78	9.98	9.24	8.20	705 W slope (TP	
			5.3	4.7	748 W	
			6.5	3.5	#1 972 36 31	
			7.5	2.5	2 402 40 03	
			9.5	0.5	3 873 47 05	
			10.7	0.7	4 934 52 00	
			11.5	1.5 2.5	5 982 55 15	
			14.5	4.5 5.5	6 59 35 1061'	
			19.4	9.4	7 EST. ROD 63° 33' 1153'	



Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 2800 Pg. 191
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge & Dreier Date 2-9-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLE Date ____

F.B. 2800 Pg. 192 | 0300.02

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

7 '98 CE 307 3-61

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76L298 307 Cdb 12-62

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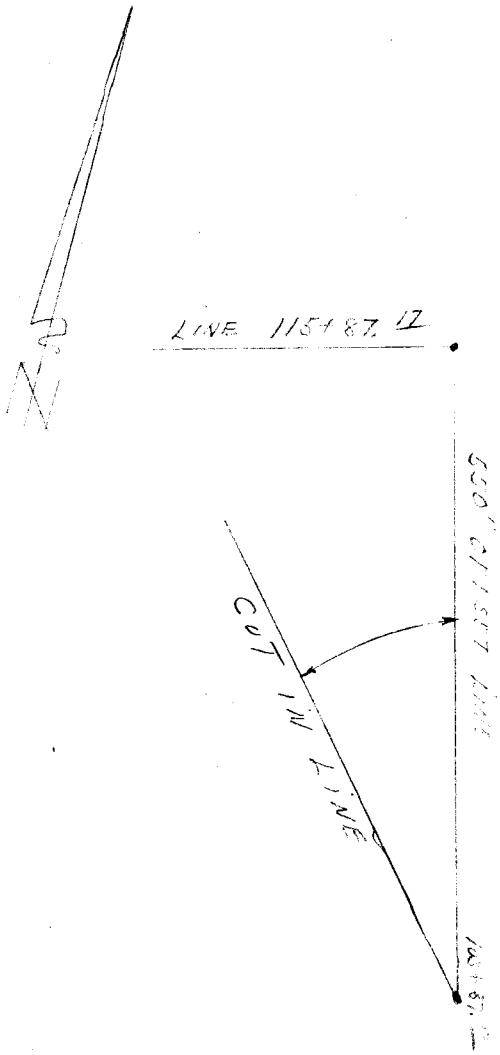
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
1034+87.17	117+96.94	10:35	1	65°	55'			
			2	64°	10'			
			3	61°	00'			1158706
			4	59°	10'			
			5	57°	00'			
			6	53°	25'			1158708
			7	50°	15'	1093		
			8	47°	20'	1852		
			9	43°	30'	1689		1158710
			10	38°	15'	1496		
			11	34°	00'	1377		
			12	30°	25'	1255		1158712
			13	28°	00'	1188		
			14	24°	20'	1093		
		10:39	15	22°	35'	1050		1158714
				00	00			
				00	00			
				00	00			1158716

OVER



Profile Notes Red.____ Plotted____ Job No.____ Division No.____ F. B. 500 Pg. 193

No.____ Date____ Date____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd.____ Checked____ Survey by ____ Notes R.T. Date 9-6-62

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

F. B. 2800 PG. 194 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT 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.
				90°	00			
				00	00			
				00	00			1158718
				00	00			
				00	00			
				00	00			1158720

76-L298 CE 307 3-61

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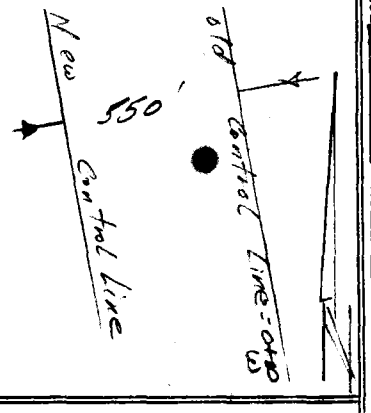
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 119+74 68	
T.P.	9.03	17.23		8.20	(from Range 115	+87 17 N @ 705 W)
T.P.	11.89	28.95	0.17	17.06	N-3	Elev = 24.146
			4.86	24.09	4" brass disc marked N-3, dn 14", in ctr of road, per FB 2100-171	
N-3	2.74	26.89		24.15	N-3	Elev. = 24.146
			1.5	25.4	@ 100 W ctr. of Rd	
			1.6	25.3	10' W. w edge of road	
			0.7	26.2	30' W Top of break	
			2.3	24.6	75' W. edge "	"
			7.7	19.2	105 W bott. of	"
			10.0	16.9	200 W. flat	↑ AT 119+74 68
T.P.	0.22	17.73	9.38	17.51	T.P. (1x2)	SIGHT ON 119+74
			2.4	15.3	287 W flat	
			5.8	11.9	383 W break	
			4.6	13.1	475 W "	
			3.9	13.8	550 W "	
			3.0	14.7	666 W Top of break	
T.P.	0.54	8.75	9.52	8.21	701 W slope (T.P.)	
			15.8	-7.0	#1 52° 26' 1070	
			13.0	-4.2	2 48 40' 1005	
			9.8	-1.0	3 40 26 691	



CONT.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 2800 Pg. 195
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion + Dreier 2-9-66
Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge Date
Date ____ Date ____ Map No. ____ Indexed C. J. GAUL Date ____

F.B. 2800 Pg. 196 | Job No. 030002 | Division No. 11 | Notes Red | Plotted | Profile

Survey of BEACH EROSION | Date | Date | No.

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

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

76-L298 CE 307 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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		8 75			CONT.	
			95	-.02	4 33° 09'	811'
			62	2.55	5 27° 43'	760
			41	47	731 W.	

76L298 307 Cdb 12-62

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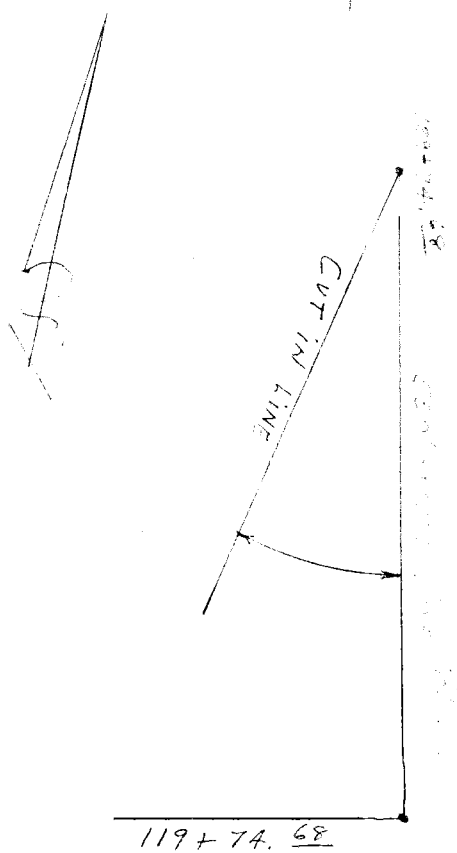
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
139+74.68	117+96.94	11:16	1	51°	50'			
			2	49°	45'			
			3	46°	40'			1197406
			4	43°	50'			
			5	40°	40'			
			6	37°	15'	2070		1197408
			7	33°	35'	1878		
			8	30°	10'	1712		
			9	26°	05'	1529		1197410
			10	23°	50'	1434		
			11	21°	10'	1324		
			12	18°	50'	1232		1197412
			13	15°	50'	1117		
		11:20	14	13°	20'	1024		
				00	00			1197414
				90°	00			
				00	00			
				00	00			1197416
				00	00			
				00	00			
				00	00			1197418



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 197

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-9-66

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

F. B. 2800 PG. 198 Job No. 0300.02 Division No. 11 Notes Red.____ Plotted____ Profile

Survey of HYDROGRAPHIC SURVEY Date____ Date____ No.____

Survey by RICHARDS Notes____ Notes Chkd.____ Checked____ X-Sec.

Indexed 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.	Range Line Deg. (For Office Use Only)	Range Line Min. (For Office Use Only)	Card No. (For Office Use Only)

Do not extend notes this side of this line.

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

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

76L298 307 Cdb 12-62

76-L298 CE 307 3-61

PLEASE RETURN TO
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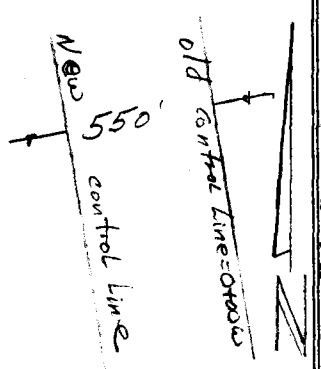
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 123+74.68 N
T.P	10.56	18.77		8.21	(from Range 119+74.68 N @ 70' W)
TP	8.38	25.99	1.16	17.61	
			1.2	24.8	0+00W ctr. of Rd.
			1.2	24.8	10' W w edge of road
			2.5	23.5	75' W Top edge of break
			7.6	18.4	120W bott. of break
			11.2	14.8	215W break
T - P	1.26	18.87	8.38	17.61	(1x2)
			3.7	15.2	310 W flat
			4.6	14.3	410 W "
			4.1	14.8	520 W "
			4.7	14.2	591 W "
			4.3	14.6	660W Top of break
T.P.	0.50	9.07	10.30	8.57	697W slope (1x2)
			4.4	4.7	730W
			6.1	.30	#1 26 36 749
			9.4	-.03	2 30 05 782
			9.8	-.07	3 36 15 843
			9.8	-.07	4 39 41 882
			10.8	-.17	5 44 35 944
			15.8	-.59	6 50 34 1036
			18.0		7 EST. ROD 54° 07' 1103'

TRANSIT AT 119+74.68
SIGHT ON 123+74.68



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 199
No. ____ Date ____ Date ____ Survey of Beach Erosion + Dreyer
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge Date 2-9-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date 2-7-68

F. B. 2800 Pg. 200

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

Do not extend notes this side of this line.

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403 Los Angeles County Engineering Bldg.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

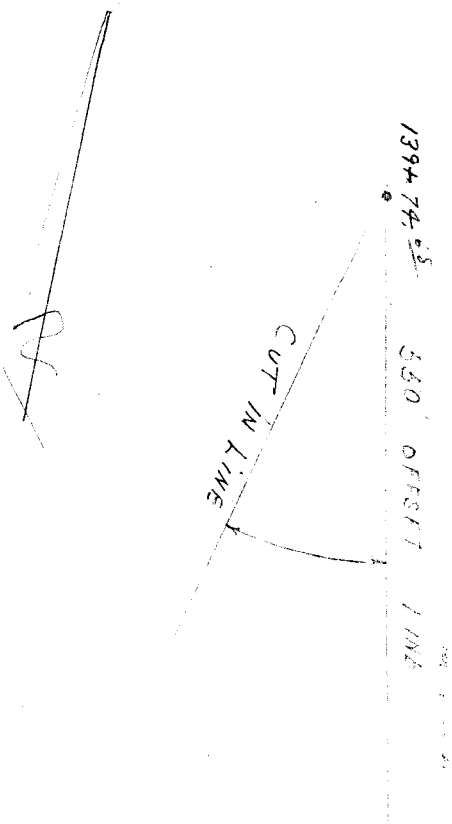
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
139+74.68	117+96.94	11:29	1	56°	05'			
			2	53°	15'			
			3	52°	05'			1237406
			4	49°	55'			
			5	47°	15'			
			6	44°	30'	2122		1237408
			7	41°	05'	1944		
			8	38°	00'	1800		
			9	34°	00'	1629		1237410
			10	31°	10'	1517		
			11	26°	30'	1348		
			12	23°	45'	1254		1237412
			13	22°	00'	1196		
			14	19°	50'	1127		
			15	17°	35'	1057		1237414
			16	15°	50'	1003		
		11:33	17	14°	05'	951		
				00	00			1237416

OVER



Profile Notes Red. ____ Plotted ____ Job No. 2002 Division No. 11 F. B. 2200 Pg. 201
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-9-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLE Date ____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			1237418
				90°	00			
				00	00			
				00	00			1237420
				00	00			
				00	00			
				00	00			1237422

F. B. 2800 Pg. 2 02 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed C. J. GALM Date Date Date No.

76-L298 CE 307 3-61

PLEASE RETURN TO
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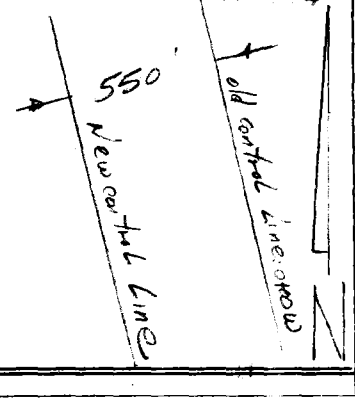
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 127+74 68 N
T.P.	10.04	18.61		8.57	(from Range 123+74 68 N @ 697' W)
+P	11.61	27.69	2.53	16.08	
			3.1	24.6	0+00 Ctr of Rd
			3.1	24.6	10' W (W) edge of Road
			2.7	25.0	60' W Top of break
			8.6	19.1	135 W bot. of break
T.P.	1.22	17.30	11.61	16.08	(1x2)
			4.1	13.2	250' W break
			2.9	14.4	338 W "
			5.0	12.3	430 W flat
			3.3	14.0	538 W "
			3.1	14.2	654 W Top of break (TRANSIT AT 119+74 SIGHT ON 127-74)
T.P.	0.45	8.66	9.09	8.21	692 W slope (1x2)
			1.85	-.98	STATION ROD #1 35° 44'
			1.25	-.41	2 31 51
			1.14	-.27	3 26 52
			1.06	-.19	4 21 55
			.87	.00	5 17 37
			.61	+.26	6 14 28
			.40	.47	726 W. HI WATER
			.07	.80	700 W. ON SLOPE



Profile Notes Red ____ Plotted ____ Job No. 03000-L Division No. 11
No. ____ Date ____ Date ____ Survey of Reach Eros 1-2
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 2-9-66
No. ____ Date ____ Date ____ Map No. ____ Date ____

F.B. 2860 Pg. 203

F.B. 2800 Pg. 204 | Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

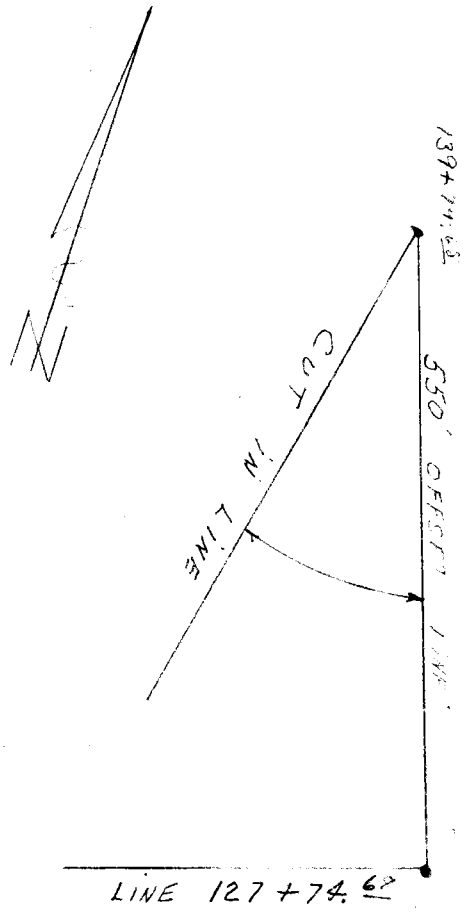
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
139+74.68	117+96.84	11:38	1	64°	50'			
			2	63°	25'			
			3	61°	30'			1277406
			4	59°	30'			
			5	57°	30'			
			6	55°	35'	2302		1277408
			7	52°	50'	2133		
			8	49°	50'	1972		
			9	46°	10'	1806		1277410
			10	41°	50'	1624		
			11	37°	50'	1482		
			12	33°	55'	1357		1277412
			13	32°	10'	1305		
			14	30°	10'	1247		
			15	28°	30'	1202		1277414
			16	25°	50'	1131		
			17	23°	50'	1080		
		11:42	18	22°	10'	1039		1277416

OVER



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

No. ____ Date ____ Date ____ Survey of HYDRO GRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-9-66

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

F. B. 2500 Pg. 205

F. B. 2800 PG. 206 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEY Date _____ Date _____ No. _____

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT 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.
				00	00			
				00	00			
				00	00			1277418
				90°	00			
				00	00			
				00	00			1277420
				00	00			
				00	00			
				00	00			1277422

76-L298 CE 307 3-61

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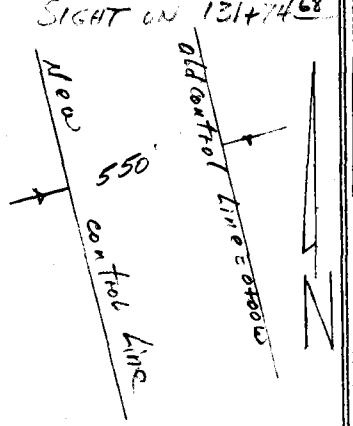
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 131+74 68 N			
T.P.	9.91	18.12		8.21	(from Range 127+74 68 N @ 692' W)			
T.P.	12.07	28.02	2.17	15.95				
			3.0	25.0	0+00	ctr of road		
			3.1	24.9	10' W	w. edge of road		
			4.1	23.9	92' W	top of slope		
			9.9	18.1	145 W	bott. " "		
T.P.	1.62	17.57	12.07	15.95	(1x2)			
			5.2	12.4	250 W	flat		
			6.5	11.1	350 W	break		
			5.5	12.1	440 W	flat		
			3.0	14.6	550 W	flat		⊼ AT 127+74 68
			3.3	14.3	655 W	top of break		SIGHT ON 131+74 68
T.P.	0.71	8.98	9.30	8.27	695 W	slope (1x2)		
			4.3	4.7	729 W. "HI WATER"			
			7.1	1.9	#1	27° 58'	762'	
			8.8	.02	2	30 39	785	
			9.5	-.05	3	33 59	820	
			11.0	-.20	4	39 25	881	
			11.8	-.28	5	46 49	976	
			14.2	-.52	6	50 43	1040	
			16.3	-.73	7	52 49	1077	



Profile Notes Red ____ Plotted ____ Job No. 2300 02 Division No. 11 F.B. 2800 Pg. 207
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge & Dreifer Date 2-9-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2800 Pg. 208 | 0300.02

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed C. J. GALLI 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

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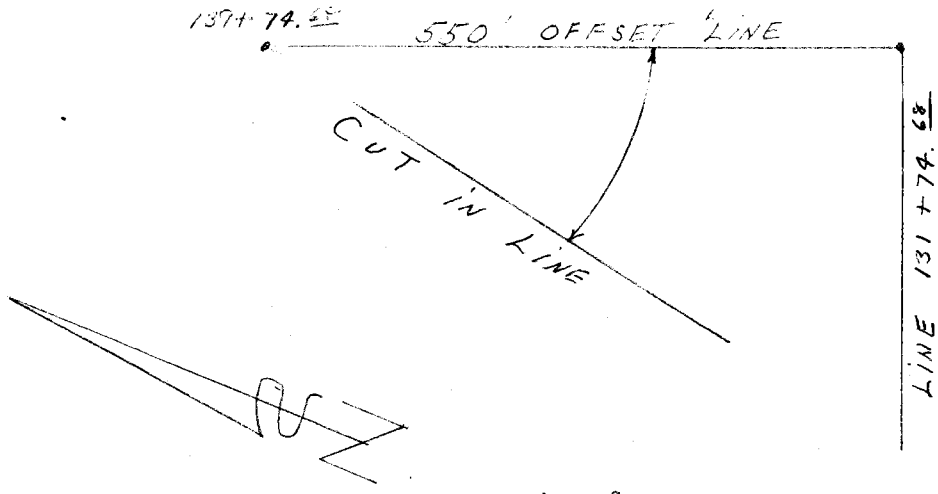
Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2800 Pg. 209

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

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-9-66

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



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1394+74.68	117+96.94	11:48	1	72°	45'			
			2	71°	45'			
			3	70°	25'			1317406
			4	68°	35'			
			5	66°	50'			
			6	64°	40'			1317408
			7	61°	50'			2044
			8	55°	40'			1864
			9	54°	40'			1317410
			10	51°	35'			1578
			11	47°	45'			1559
			12	43°	40'			1431
			13	39°	20'			1314
			14	36°	05'			1206
			15	31°	40'			1133
			16	30°	25'			1317414
			17	26°	45'			1043
		11:52	18	25°	15'			1020
								953
								927
								1317416

Boat turned around

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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F. B. 2800 Pg. 210 Job No. 0300.02 Division No. 11 Notes Red. Plotted. Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked. No.

Indexed C. J. GALLI Date. Date. Date.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			1317418
				90	00			
				00	00			
				00	00			1317420
				00	00			
				00	00			
				00	00			1317422

76-L298 CE 307 3-61

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 135+74.68 N	
TP	9.68	17.95		8.27	(from Range 131+74.68 N @ 695 W)	
TP	2.80	17.20	3.55	14.40	Cor of conc square	
TP	10.81	27.69	0.32	16.88		
			1.4	26.3	0+00 W ctr of Road	
			1.7	26.0	10' W w. edge of "	
			2.7	25.0	70' W Top of break	
			9.7	18.0	110' W bottom " "	
			14.6	13.1	180 W break	
T. P.	0.61	17.49	10.81	16.88	1x2	
			6.1	13.4	250' W break	TRANSIT AT 131+74.68
			5.5	12.0	340 W flat	SIGHT ON 135+74.68
			5.4	12.1	440' W "	
			3.6	13.9	540' W "	
			3.4	14.1	655' W Top of break (up 0.5)	
T.P.	0.75	6.80	11.44	6.05	720' W slope (1x2)	550'
			21	4.7	729 W " HI. WATER	
			66	0.2	#1 BRK 29° 22' 75	
			74	-0.6	2 34 19 823	
			71	-0.3	3 39 68 876'	
			82	-1.4	4 43 58 936	
			84	-1.6	5 44 22 941	

old Control Line = 0+00 W

New Control Line

CONT.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0-300-01 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by Vogt Notes Vogt Date 2-10-66
Map No. ____ Date ____ Indexed G. A. Gaal Date ____

F.B. 2400 Pg. 211

F.B. 2800 Pg. 212 | 0300.02 Job No. ____ Division No. ____ Notes Red ____ Plotted ____ Profile

Survey of BEACH EROSION Date ____ Date ____ No. ____

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

Indexed [illegible] Date ____ Date ____ Date ____ No. ____

76-L298 CE 307 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.

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		680			CONT	
			94	-26	#6 46° 48	976
			39	-71	7 52 23	1069
			183	-115	8 56 34	1156

76L298 307 Cdb 12-62

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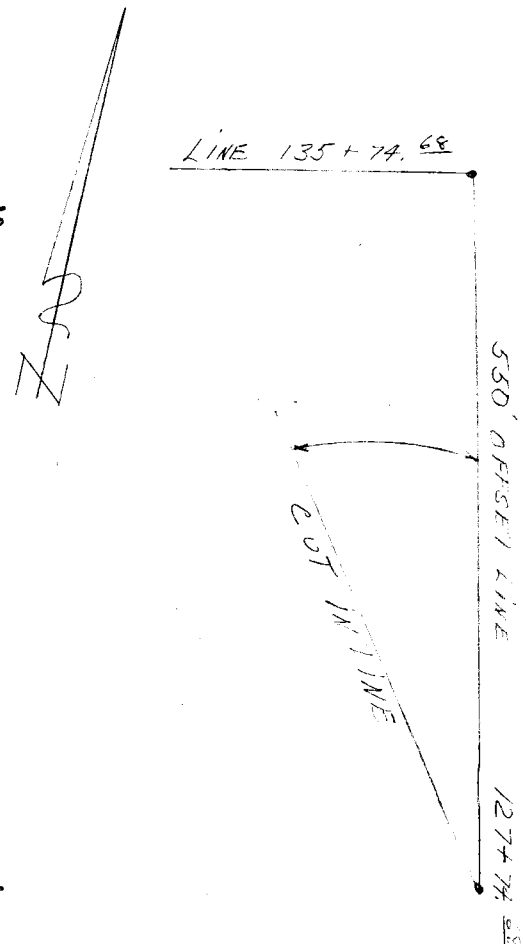
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
127+74.68	135+74.68	9:18	1	74°	15'			
			2	74°	00'			
			3	73°	15'			1357406
			4	72°	10'			
			5	71°	05'			
			6	70°	00'			1357408
			7	68°	40'			
			8	67°	45'			
			9	64°	35'			1357410
			10	63°	30'	2155		
			11	59°	45'	[illegible]		
			12	56°	50'	1774		1357412
			13	53°	45'	1641		
			14	50°	10'	1509		
			15	46°	50'	1403		1357414
			16	44°	45'	1343		
			17	42°	25'	1281		
BOAT TURNED AROUND			18	44°	20'	1332		1357416
			19	41°	55'	1268		
			20	40°	45'	1239		

CONT. Pg.



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 4 F. B. 2800 Pg. 213
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-10-66
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 2800 PG. 214 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile No.

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed C. J. GALL Date Date Date

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
1274 74.68	1357 74.68			CONT. PG.	FROM			
			21	39°	30'	1209		1357418
			22	37°	15'	1158		
			23	35°	00	1113		
		9:25	24	32°	00	1052		1357420
				00	00			
				00	00			
				00	00			1357422
				90°	00			
				00	00			
				00	00			1357424
				00	00			
				00	00			
				00	00			1357426

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 139+74.68 N	
T.P.	11.14	17.19		6.05	(from Range 135+74.68 N @ 720' W)	
	10.85	27.74	0.30	16.89		
			1.7	26.0	0+00 W ctr. of road	TRANSIT AT 131+74.68
			1.7	26.0	10' W w edge of road	SIGHT ON 139+74.68
			2.4	25.3	70' W Top of break	
			9.7	18.0	105 W bott. of "	NOTE SWIMMER
	1.14	18.03	10.85	16.89	190' W (1/2) flush	CAME IN ABOUT 2 FT
			4.4	13.6	300' W flat	LEFT OF RANGELINE TO
			5.7	12.3	385' W break	AVOID ROCKS WITH
			4.7	13.3	475' W "	BAD S'LY RIPE TIDE
			4.9	13.1	560' W flat	
			4.7	13.3	665 W Top of bank (edge of	
T.P.	0.35	6.98	11.40	6.63	710 W (south of 9+01 W) 1/2	
			18.0	-11.0	#1 40° 37' 1236	550'
			14.8	-8.8	2 37 51 1172	
			14.0	-7.0	3 36 43 1147	
			12.0	-5.0	4 35 33 1122	
			10.2	-3.2	5 34 02 1090	
			11.2	-4.2	6 28 18 980	
			8.8	-1.8	7 23 03 890	
			6.5	.05	8 19 08 827	

New control line

old control line = 0+00 W

Profile No. ____ Notes Red ____ Plotted ____ Job No. 63 ... Division No. 11 F.B. 2800 Pg. 215
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion & DREIER
Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge Date 2-10-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLO Date ____

F.B. 2800 Pg. 216

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed C. J. GALLY Date _____ Date _____ Date _____ No. _____

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		6 98			CONT	
			45	.25	#9 15° 41'	774
			23	.47	729 W. HI. WATER	

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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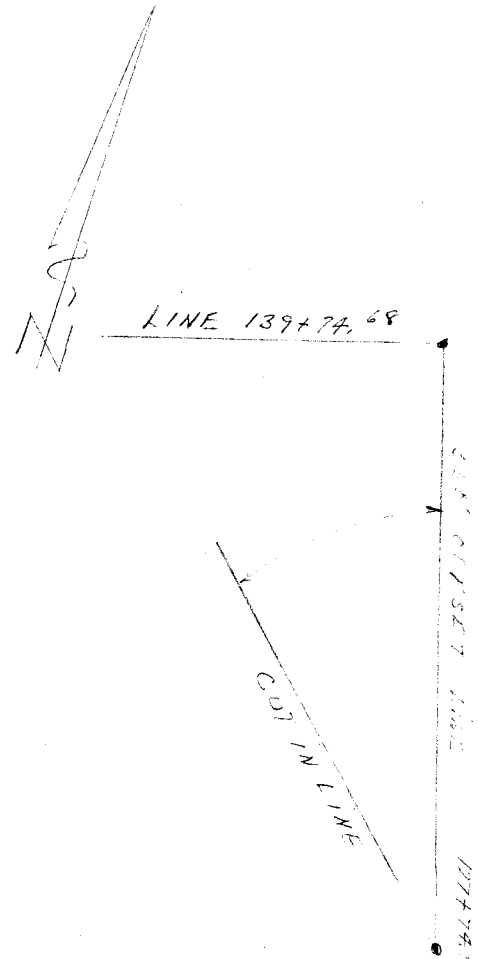
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
127+74.68	139+74.68	9:35	1	67°	30'			
			2	66°	30'			
			3	65°	35'			1397406
			4	64°	45'			
			5	63°	15'			
			6	62°	00'			1397408
			7	60°	40'			
			8	58°	55'			
			9	57°	15'			1397410
			10	54°	50'			
			11	53°	50'			
			12	51°	05'	[illegible]		1397412
			13	48°	45'	[illegible]		
			14	45°	20'	[illegible]		
			15	41°	30'	[illegible]		1397414
			16	37°	25'	[illegible]		
			17	35°	45'	[illegible]		
			18	33°	45'	13[illegible]		1397416
			19	32°	20'	1310		
			20	31°	05'	[illegible]		

CONT. PG.



Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 11 F. B. 2800 Pg. 217

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-10-66

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 2800 PG. 218 Job No. 0300.02 Division No. 11 Notes Red. Plotted. Profile No.

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

Survey by RICHARDS Notes Notes Chkd. Checked.

Indexed C. J. GALL Date. Date. Date.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
127+79.68	139+79.68			CONT. FROM PG.				
			21	29°	15'	1222		1397418
			22	28°	00'	1138		
BOAT TURNED AROUND			23	29°	15'	[illegible]		
			24	27°	45'	[illegible]		1397420
			25	26°	30'	[illegible]		
		9:40	26	24°	30'	[illegible]		
				00	00			1397422
				00	00			
				00	00			
				00	00			1397424
				90	00			
				00	00			
				00	00			1397426
				00	00			
				00	00			
				00	00			1397428

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Range 143+74.68 N	
T.P.	10.68	17.31		6.63	(from Range 139+74.68 @ 710 W.)	
T.P.	11.71	25.81	3.21	14.10		
			0.5	25.3	0+00' W (E.) edge of	Road
			1.2	24.6	18' W. (W.) "	"
			8.7	17.1	130' W. slope	
T.P.	4.21	18.31	11.71	14.10	220 W break (1:2)	flush
			6.0	12.3	315 W. flat	
			5.8	12.5	380 W break	
			4.8	13.5	470 W flat	
			5.2	13.1	570 W "	TC @ 139+74.68
			4.3	14.0	690 W. Top of break	SIGHT ON 143+74.68
T.P.	-0.12	6.33	11.86	6.45	750 W slope (1:2)	
			1.6	4.7	769 W HI WATER	
			4.7	1.6	#1 34° 21' 823	
			6.4	-0.1	2 38° 32 868	
			6.7	-0.4	3 43 12 925	
			8.2	-1.9	4 48 42 1005	
			12.7	-6.4	5 54 27 1110	
			18.0	-11.7	6 59 05 1218	

New Centerline

550'

Old Centerline: 0+00W

Profile No. ____ Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 2865 Pg. 219
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Survey by Yerke Notes 1936 Date 1-10-36
Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2800 Pg. 220 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed [illegible] Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76-L298 CE 307 3-61

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

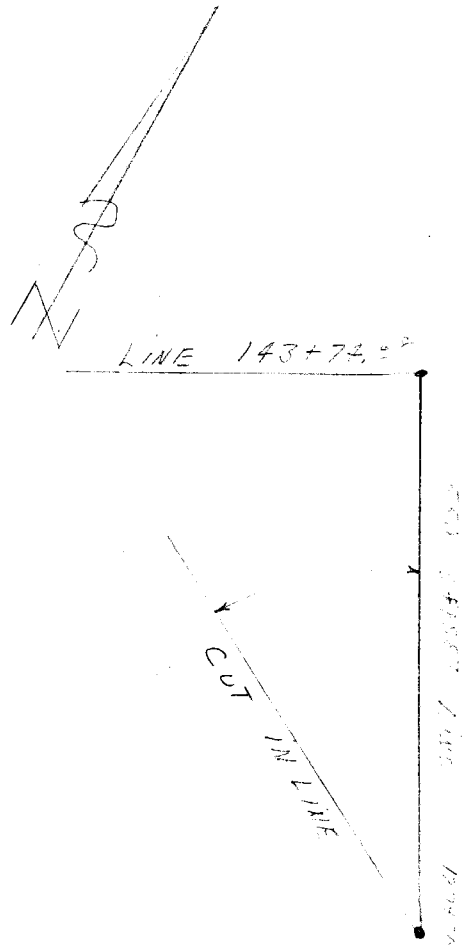
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
127+74.68	143+74.68	9:48	1	61°	50'			
			2	61°	00'			
			3	59°	45'			1437406
			4	57°	45'			
			5	56°	10'			
			6	54°	10'			1437408
			7	51°	50'			
			8	49°	45'			
			9	47°	30'			1437410
			10	44°	55'	2145		
			11	42°	05'	1995		
			12	39°	35'	1873		1437412
			13	37°	50'	1793		
			14	34°	00'	1629		
			15	31°	00'	1511		1437414
			16	28°	25'	1416		
			17	26°	00'	1330		
			18	24°	30'	1279		1437416
			19	23°	05'	1232		
			20	22°	55'	1226		

CONT. PG.



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 8800 Pg. 771

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-10-66

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

F. B. 2800 PG. 222 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of HYDROGRAPHIC SURVEY Date _____ Date _____ No. _____

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

Indexed G. J. GALL Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
127+74.68	143+74.68							
			21	20°	35'	1006		1437418
			22	19°	40'	1122		
		9:55	23	18°	10'	1075		
				00	00			1437420
				00	00			
				00	00			
				00	00			1437422
				90	00			
				00	00			
				00	00			1437424
				00	00			
				00	00			
				00	00			1437426

76-L 298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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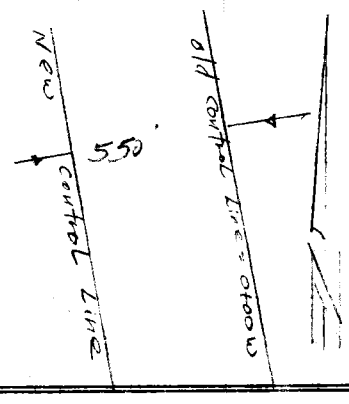
STATION	B. S.	H. I.	F. S.	ELEV.	Range 147+74 68 N	
T.P.	12.04	18.49		6.45	(from Range 143+74 68N @ 750' W)	
TP	9.67	22.55	5.61	12.88		
			3.4	19.2	0+20 W	Toe of slope
			1.7	20.9	50' W	Top of break
			4.3	18.3	70' W	bott "
			2.4	20.2	100' W	Top " " (east side)
			3.6	19.0	150' W	" " " (west side)
			8.3	14.3	250' W	slope
T. P.	5.28	18.16	9.67	12.88	(x2)	
			6.1	12.1	360' W.	Swale
			5.6	13.2	460 W.	break
			4.7	13.5	560 W	flat
			4.0	14.2	690 W	Top of break
T.P.	0.63	7.34	11.45	6.71	740 W.	Slope (x2)
			18.2	-10.9	#1	38° 58' 1185
			14.5	-7.2	#2	35 00 1110
			8.8	-1.5	3	28 32 985
			7.4	-0.1	4	21 19 863
			6.1	+1.2	5	19 08 833
			5.0	2.3	6	17 21 800
			2.6	4.7	761 W.	HI. WATER

TT ON 139+74 65
SIGHT ON 147+74 68



Profile Notes Red ____ Plotted ____ Job No. 0330.02 Division No. 11
No. ____ Date ____ Date ____ Date ____ Survey of Beach Erosion Project
X-Sec. Notes Clkd. ____ Checked ____ Survey by ____ Notes ____ Date 5-10-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

F. B. 28000 Pg. 223

F.B. 2800 Pg. 224 | 030002

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

Survey by C. J. GALLY Notes _____ Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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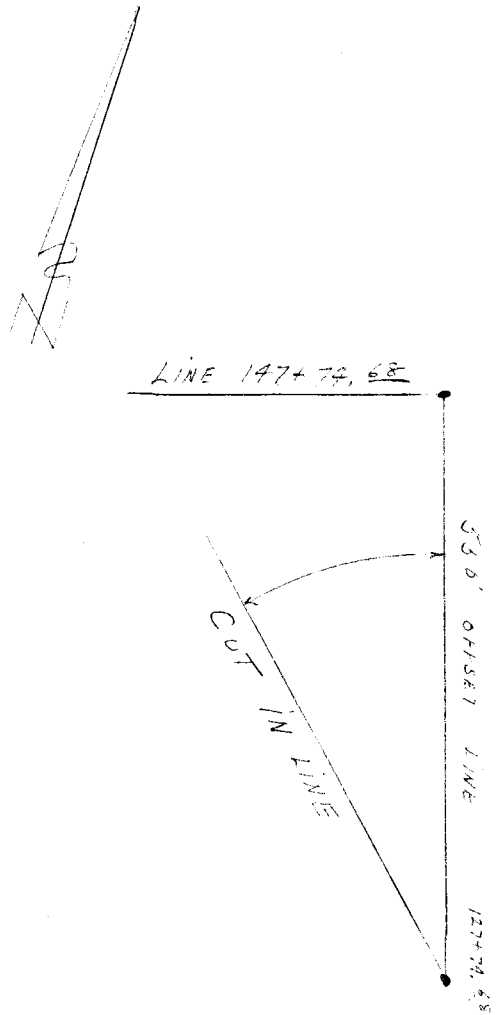
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
127+74.68	147+74.68	10:00	1	55°	20'			
			2	54°	15'			
			3	53°	45'			1477408
			4	51°	40'			
			5	50°	00'			
			6	48°	20'			1477410
			7	47°	10'			
			8	45°	20'			
			9	43°	45'			1477412
			10	41°	20'			
			11	39°	10'			
			12	36°	45'	2043		1477414
			13	34°	35'	1929		
			14	32°	10'	1808		
			15	28°	50'	1651		1477416
			16	25°	55'	1522		
			17	23°	30'	1420		
			18	20°	45'	1308		1477418
			19	19°	35'	1262		
			20	18°	10'	1206		

CONT. PS.



Profile Notes Red. ____ Plotted ____ Job No. 0800 [illegible] Division No. 11 F. B. 2800 Pg. 225

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-10-66

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 2800 PG. 226 | Job No. 0300.02 Division No. 11 Notes Red. Plotted

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GAUS Date Date Date No. Profile

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					
127+74.68	147+74.68			CONT. FROM PG.				
			21	16°	45'	1152		1477420
			22	15°	45'	1144		
		10:05	23	15°	00'	1056		
				00	00			1477422
				00	00			
				00	00			
				00	00			1477424
				90°	00			
				00	00			
				00	00			1477426
				00	00			
				00	00			
				00	00			1477428

76-L298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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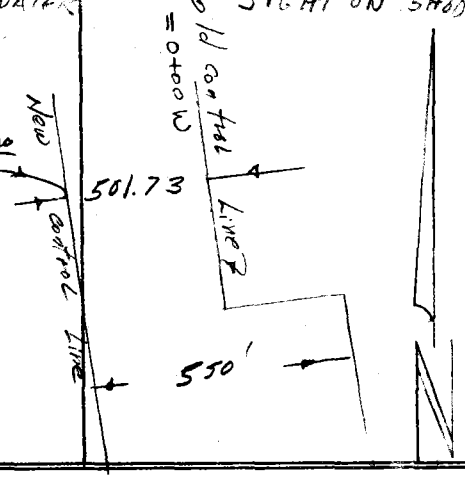
Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 151+80 40 N
T.P.	11.52	18.23		6.71	(from Range 147+74 68 N @ 740' W)
			2.5	15.7	122 W (E) edge of road (@ fence of W.P. Beach club)
			2.8	15.4	136 W (W) " " "
			3.6	14.6	222 W flat
			4.6	13.6	322 W "
			4.8	13.4	417 W "
			4.6	13.6	502 W "
			4.3	13.9	562 W "
			4.1	14.1	642 W Top of break
T.P.	0.66	7.33	11.56	6.67	702 W. slope (1v2)
		4.7	2.6	4.7	718 W. " HI WATER
			4.7	2.6	#1 745' 35° 03'
			7.0	0.3	2 760 36 40
			6.8	0.5	3 797 41 26
			7.8	-0.5	4 808 43 42
			8.5	-1.2	5 833 48 50
			10.7	-3.4	6 972 53 34
			14.2	-6.9	7 1043 57 20
			18.0	-10.7	8 1135 61 18



Profile Notes Red ____ Plotted ____ Job No. 03000L Division No. 11 F.B. 2800 Pg. 227
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge & Breiere Date 2-10-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

F.B. 2800 Pg. 228 | Job No. 0300.02 | Division No. | Notes Red | Plotted | Profile

Survey of BEACH EROSION | Date | Date | No.

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

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

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

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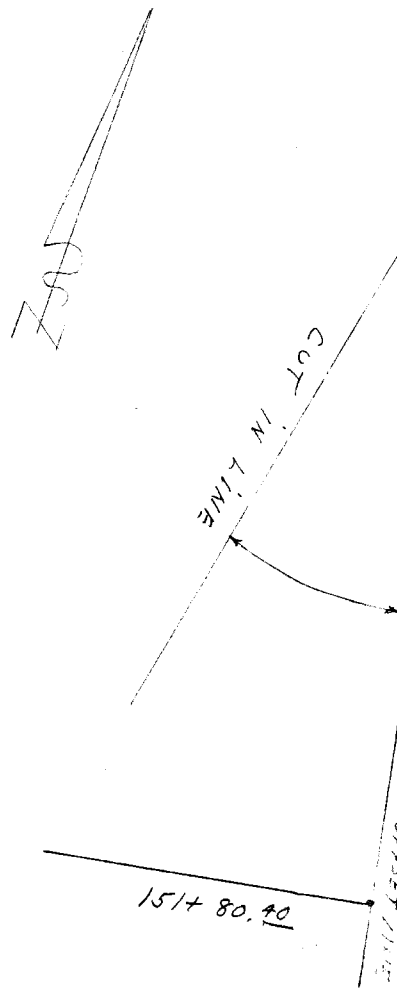
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
167+40.92	N-7 155+27.18	10:42	1	68°	15'			
			2	67°	00'			
			3	65°	40'			1518006
			4	63°	35'			
			5	61°	45'			
			6	60°	15'			1518008
			7	58°	20'			
			8	56°	40'			
			9	54°	45'			1518010
			10	53°	00'			
			11	50°	40'			
			12	47°	40'			1518012
			13	45°	45'			
			14	43°	50'			
			15	41°	40'			1518014
			16	39°	05'			
			17	36°	25'			
			18	35°	00'			1518016
			19	32°	40'			
			20	30°	25'			

CONT. Pg.



Profile Notes Red. Plotted Job No. Division No. F. B. PG. 229
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by Notes R.T. Date 2-10-66
No. Date Date Map No. Indexed C. J. GALLI Date

76L298 307 Cdb 12-62

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				CONT. PG.	From			
167+40.32	155+27.18		21	28°	50'			1518018
			22	28°	00'			
			23	26°	10'			
			24	23°	45'			1518020
			25	22°	05'			
BOAT TURNED AROUND			26	25°	10'			
			27	23°	45'			1518022
			28	25°	25'			
			29	23°	50'			
		10:50	30	22°	05'			1518024
				00	00			
				00	00			
				00	00			1518026
				90	00			
				00	00			
				00	00			1518028
				00	00			
				00	00			
				00	00			1518030

F. B. 2800 Pg. 230

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

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed C. J. GALL Date Date Date No.

76-L298 CE 307 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 notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 155+40 32	
T.P.	11.75	18.42		6.67	from Range 151+80 40 N @ 702 W	
			4.1	14.3	62 W. in road	
			3.6	14.8	117 W (E) edge of road	
			4.0	14.4	132 W (W) " " "	
			5.3	13.1	232 W flat	
			5.7	12.7	327 W "	
			5.3	13.1	422 W "	
			4.5	13.9	522 W "	
			5.0	13.4	667 W Top of break	
T.P.	042	8.04	10.80	7.62	697 W slope (1x2)	
		4.7	19.0	-11.0	ESTIM. ROD #1 41° 43' 1215	AT 163+40 32
		3	18.0	-10.0	2 39 53 1171	SIGHT ON 155+40 32
			17.2	-9.2	3 38 04 1128	
			14.0	-6.0	4 36 07 1086	
			10.5	-2.5	5 24 49 892	501.73
			7.2	+0.8	6 20 46 805	
			5.1	2.9	7 17° 14 750	
			3.3	4.7	727 FT. W. +HI WATER	

New Control Line

Old Control Line = 0+00 W

Profile Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11 F.B. 7800 Pg. 231
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge & Pfeffer Date 2-10-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 3800 Pg. 232 030002 Job No. _____ Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L298 CE 307 3-61

76L298 307 Cdb 12-62

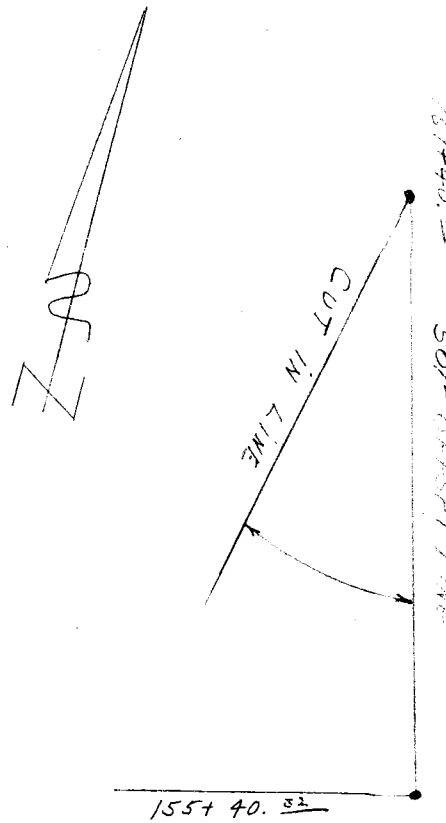
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
167+40.32	N-7 155+27.18	11:00	1	70°	10'			
			2	69°	05'			
			3	67°	55'			1554006
			4	66°	50'			
			5	65°	15'			
			6	63°	35'			1554008
			7	62°	00'			
			8	59°	55'			
			9	57°	45'			1554010
			10	55°	25'	2242		
			11	52°	50'	2085		
			12	49°	55'	1928		1554012
			13	48°	00'	1825		
			14	45°	25'	1710		
			15	41°	35'	1567		1554014
			16	39°	45'	1500		
			17	37°	45'	1431		
			18	36°	10'	1370		1554016
BOAT Turned AROUND			19	34°	15'	1319		
			20	37°	35'			

CONT. PG.



Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. 1
X-Sec. No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by RICHARDS Notes RT Date 2-10-66
Map No. ____ Date ____ Indexed C. J. GALLI Date ____

F. B. 5800 PG. 283

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No.	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
167+40.32	155+27.18		21	35°	50'			1554018
			22	34°	15'	1213		
			23	32°	30'	1266		
			24	30°	55'	1220		1554020
			25	29°	10'	1172		
			26	27°	20'	1122		
			27	24°	35'	1031		1554022
		11:07	28	23°	35'	1026		
				00	00			
				00	00			1554024
				00	00			
				00	00			
				00	00			1554026
				90	00			
				00	00			
				00	00			1554028
				00	00			
				00	00			
				00	00			1554030

F. B. 2800 Pg. 234 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed C. I. Date Date Date No.

76-1-298 CE 307 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 159+40 32 N
T.P.	11.35	18.97		7.62	from Range 155+40 32
			4.4	14.6	52' W edge of Wall
			4.3	14.7	102' W (E) edge of road
			4.3	14.7	122 W (W) " "
			5.0	14.0	220 W flat
			5.9	13.1	325 W " TRANSIT AT 155+40 32
			6.1	12.9	375 W break SIGHT ON 159+40 32
			4.6	14.4	462 W flat
			4.7	14.3	547 W "
			4.3	14.7	635' W Top of break SET 2-10-66
T.P.			~~11.70~~	~~7.27~~	~~685 W Slope (W)~~ LOST 2-11-66
T.P.	8.10	15.72	-	7.62	697 W. RANGE 155+40 32 (PREVIOUS PAGE)
			2.3	13.4	667 W " " " TOP BRK
			1.2	14.5	633 W RANGE 159+40 32 " " 501.73
			3.6	12.1 13.1	638 W " " " BOT BRK
			7.2	8.5	666 W " " DIP IN SLOPE
			9.6	6.1	700 W " " ON SLOPE
			11.0	4.7	713 W. "
T.P.	2.16	6.84	10.94	4.78	

New control line

old control line

Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 2800 Pg. 235
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 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 notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	159+40 32	
		6 84				
			64	'04	750 W. SLOPE IN WA	
			76	'-08	#1 34° 24'	TRANSIT AT 155+40 32
			63	'05	2 39 49	SIGHT ON 159+40 32
			81	'-13	3 44 05	
			101	'-33	4 47 12	
			136	'-68	5 52 13	
			073	'611	652 W RANGE 163+40 32 T.P	

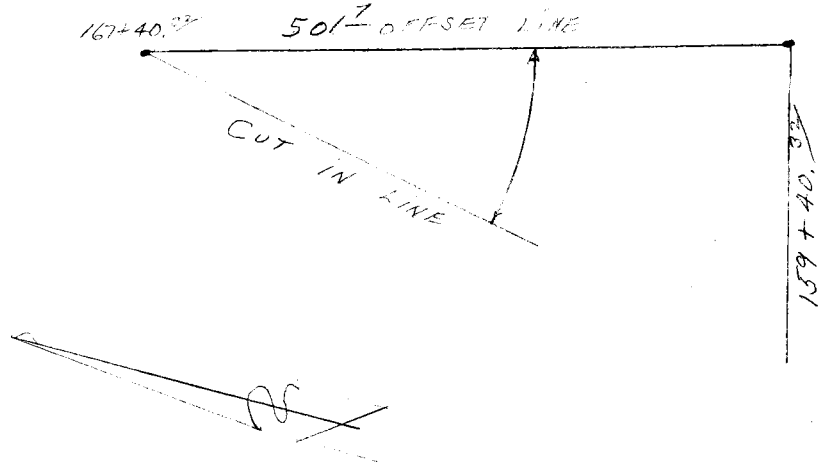
F.B. 2800 Pg. 236 Job No. 0300.02 Division No. Notes Red Plotted Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by Notes Notes Chkd. Checked
Indexed G. J. GALLI Date Date Date No.

Profile No. _____ Notes Red. _____ Date _____ Plotted _____ Date _____ Job No. 0300.02 Division No. 11 | F. B. 2800 Pg. 237

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

Survey by RICHARDS Notes R.T. Date 2-11-66

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



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
167+40.32	N-7 155+27.15	8:04	1	77°	25'			
			2	77°	00'			
			3	76°	20'			1594006
			4	75°	35'			
			5	74°	20'			
			6	73°	00'			1594008
			7	71°	35'			
			8	70°	05'			
			9	68°	05'			1594010
			10	65°	40'			
			11	63°	45'			
			12	61°	05'			1594012
			13	58°	20'			
			14	55°	00'			
			15	52°	25'			1594014
			16	48°	35'			
			17	44°	20'			
			18	40°	50'			1594016
			19	37°	30'			
			20	34°	30'			

CONT. Pg

76L298 307 Cdb 12-62

F. B. 2800 PG. 238 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
167+40 32	167+87.18			CONT. FROM PS.				
		8:11	21	30°	10'			1594018
			22	00	00			
				00	00			
				00	00			1594020
				90	00			
				00	00			
				00	00			1594022
				00	00			
				00	00			
				00	00			1594024

76-L298 CE 307 3-61

PLEASE RETURN TO
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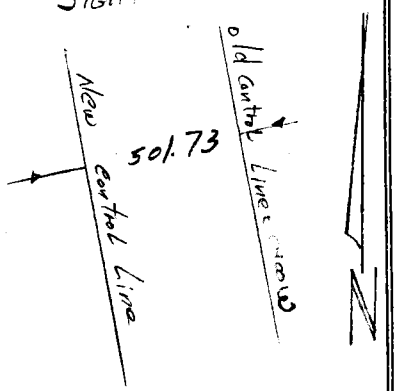
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 163 + 40 32 N
T.P.	1030	17.57		7.27	(from Range 159+40 32 N @ 685' W)
			3.6	14.0	37' W. edge of Wall
			2.9	14.7	82 W (E) eqe of road
			3.9	13.7	102 W (W) " " "
			3.9	13.7	192 W Slope
			5.5	12.1	292 W "
			5.8	11.8	327 W break
			4.6	13.0	427 W flat
			4.7	12.9	515 W "
			3.6	14.0	615 W Top of break
T.P.	075	6.87	11.45	6.12	652' W Slope (1x2)
			175	10.6	#1 36° 16' 1089
			143	9.4	2 33 00 1022
			97	2.8	3 29 16 950
			88	1.9	4 22 32 834
			80	1.1	5 20 33 802
			68	0.1	6 18 05 763
			53	1.6	7 14 45 713
			22	4.7	669 W HI WATER



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Vage Notes Vage & Dreier 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2800 Pg. 239

F.B. 2800 PG. 240 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed G. L. GALLI Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

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PLEASE RETURN TO

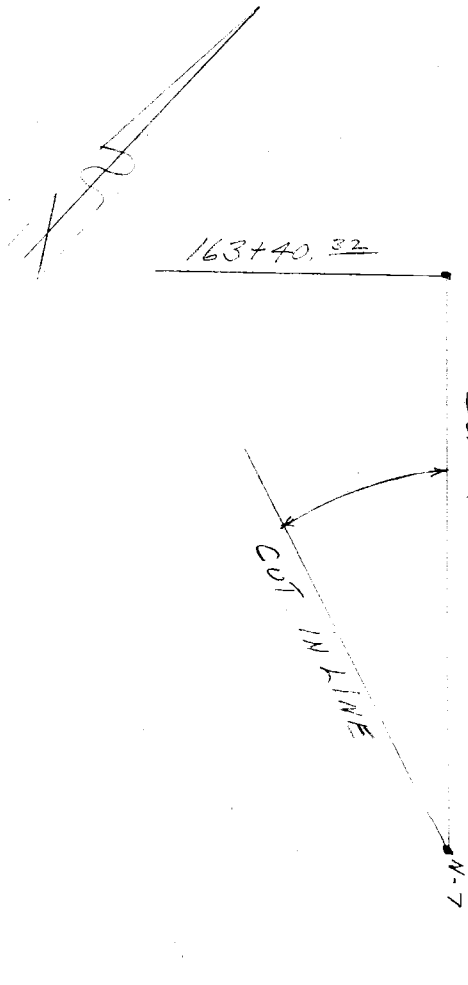
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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					
N-7 155+27.18	N-10 182+90.72	8:30	1	76°	45'			
			2	75°	35'			
			3	74°	15'			1634006
			4	73°	05'			
			5	71°	50'			
			6	69°	50'			1634008
			7	67°	45'			
			8	65°	50'			
			9	63°	15'			1634010
			10	60°	05'	1915		
			11	55°	45'			
			12	52°	55'	[illegible]		1634012
			13	49°	05'			
			14	46°	40'	30A		
			15	43°	55'			1634014
			16	39°	05'	[illegible]		
			[illegible]	36°	45'			
			18	33°	35'	1042		1634016
			19	31°	10'	99A		
		8:36	20	00	00			
				00	00 OVER			1634018



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2800 Pg. 241

No. Date Date Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes R.T. Date 2-11-66

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2800 Pg. 242 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed G. J. GALLI Date Date Date No.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			1634020
				90	00			
				00	00			
				00	00			1634022
				00	00			
				00	00			
				00	00			1634024

76-L298 CE 307 3-61

PLEASE RETURN TO
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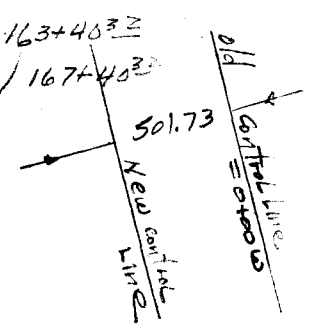
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	167 + 40 32 N	
T.P.	11.45	17.57		6.12	from Range 163 + 40 32 N @ 652' W	
			2.3	15'.3	0+00 W Toe of slope	
			2.3	15'.3	100' W flat	
			3.9	13'.7	192 W break	
			5.3	12'.3	292 W Swale	
			4.5	13.1	395 W flat	
			4.57	13.00	501 2 W " (on 1x2)	
			3.7	13.9	587 W Top of break	
T P.	1 27	12 21	5.63	11.94	597 W Slope (1x2) BOT BRK	
			51	71	625 W on "	
			75	47	653 W on "	
			100	22	685 W on "	
	277	485	1013	208	~~700 W on "~~ T.P.	
			34	14	700 W	
			55	-07	761 # 1 32° 52'	⊼ AT 163+40 32
			74	-26	812 2 37 46	SIGHT ON 167+40 32
			73	-25	880 3 43° 24'	
			111	-63	953 4 48° 27'	
			152	-104	1038 5 53 16'	



Profile Notes Red ____ Plotted ____ Job No. 0300 02 Division No. 11 F.B. 2800 PG. 243
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge & DREIER Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLA Date FEB 2 3 '66

F.B. 2800 PG 244 | 0300.02 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 3-61

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

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76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

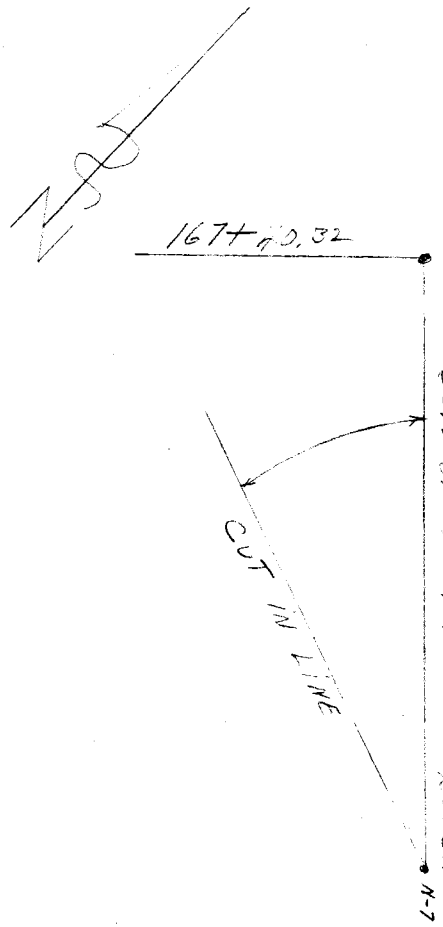
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-7 153+27.18	N-10 182+90.70	8:44	1	68°	45'			
			2	67°	10'			
			3	65°	35'			1674006
			4	64°	35'			
			5	62°	35'			
			6	60°	20'			1674008
			7	57°	50'			
			8	55°	05'			
			9	52°	20'			1674010
			10	49°	35'	1025		
			11	47°	00'	1802		
			12	44°	25'			1674012
			13	41°	15'	1565		
			14	37°	30'			
			15	34°	15'	1327		1674014
			16	29°	40'			
			17	27°	05'	1122		
			18	24°	40'			1674016
			19	22°	45'	1010		
			20	21°	15'	973		

CONT PG.



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

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-11-66

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

F. B. 2800 Pg. 745

76L298 307 Cdb 12-62

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F. B. 2800 PG. 246 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed C. I. CALL Date Date Date No.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				cont. from Pg.				
N-7 155+27.18	N-10 182+90.70	8:50	21	20°	10'	94		1674018
				00	00			
				00	00			
				00	00			1674020
				90	00			
				00	00			
				00	00			1674022
				00	00			
				00	00			
				00	00			1674024

76-L298 CE 307 3-61

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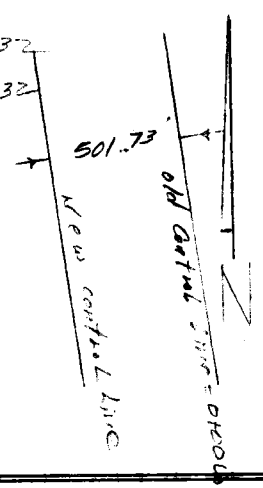
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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 notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	171+40 32 N	
T.P.	5.57	17.51		11.94	from Range 167+40 32 N @ 597 W.	
	4.13	17.25	4.39	13.12	(1x2)	
			01	17.2	0+00 W Top of slope	
			36	13.7	52' W Toe " "	
			35	13.8	150' W flat	
			37	13.5	242' W "	
			42	13.1	345' W "	
			44	12.9	440' W "	
			4.13	13.12	502.7' W (1x2)	
			36	13.7	552 W Top of break	
	0.85	6.46	11.64	5.61	627 W slope (1x2)	
			178	-11.3	#1 1104 36° 57' ⊼ AT 163+40 32	
			139	-7.4	2 939 31 20 SIGHT 171+40 32	
			120	-5.5	3 936 28 30	
			75	-1.0	4 850 23 31	
			63	.02	5 782 19 19	
			60	.05	6 736 16 18	
			69	-0.4	7 708 14 25	
			43	.22	8 677 12° 21'	
			18	.47	638 W HI WATER	



Profile No. ____ Notes Red ____ Plotted ____ Job No. 03002 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion + DREIER
Notes Chkd. ____ Checked ____ Survey by Vogel Notes Vogel Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2800 Pg. 247

F.B. 2800 Pg. 248 | 030002 Job No. Division No. Notes Red Plotted Profile

Survey of BEACH EROSION Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

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

76-L298 CE 307 3-61

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76L298 307 Cdb 12-62

PLEASE RETURN TO

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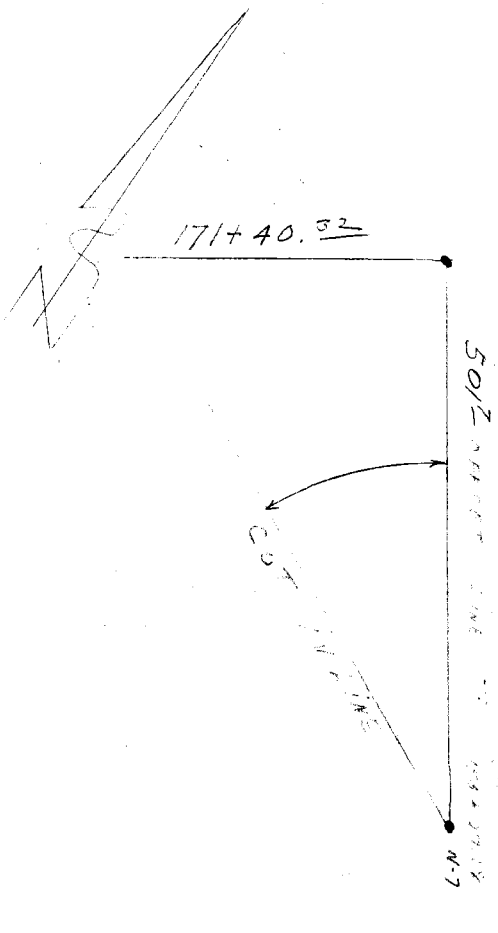
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
N-7 155+27.18	N-10 182+90.70	8:57	1	60°	35'			
			2	59°	50'			
			3	56°	40'			1714006
			4	53°	50'			
			5	51°	25'			
			6	49°	15'			1714008
			7	46°	15'			
			8	43°	50'	2050		
			9	39°	35'			1714010
			10	35°	50'	1667		
			11	31°	25'			
			12	28°	20'	1372		1714012
			13	25°	05'			
			14	22°	30'	1170		
			15	20°	50'			1714014
			16	19°	10'	1063		
		9:02	17	17°	35'	1013		
				00	00			1714016



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 249

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-11-66

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2800 PG. 250 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed G. H. SALL Date Date Date No.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				00	00			
				00	00			
				00	00			1714018
				90	00			
				00	00			
				00	00			1714020
				00	00			
				00	00			
				00	00			1714022

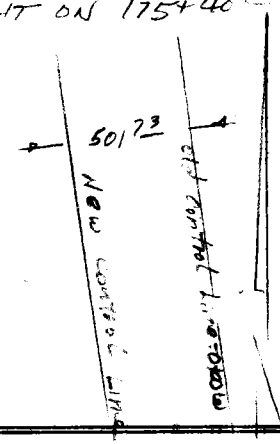
76-L298 CE 307 3-61

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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 175+40 32 N	
T.P.	12.15	17.76		5.61	from Range 171+40 32 N @ 627 W	
			0.7	17.1	0+02' W @ fence	
			2.5	15.3 17.3	22' W Top of slope	
			5.0	12.8	112 W break	
			5.2	12.6	215 W flat	
			5.0	12.8	310 W "	
			5.4	12.4	410 W "	
			4.58	13.18	501.7 W " (1x2)	
			3.9	13.9	562 W Top of break	
T.P.	0.89	7.08	11.57	6.19	632 W Slope (1x2)	
		2.4	2.4	4.7	642 W.	⊼ AT 171+40 32
			6.8	0.3	#1 23° 20'	SIGHT ON 175+40 32
			7.8	0.7	2 712 27 39	
			6.5	0.6	3 757 32 32	
			8.8	1.7	4 853 41 14	
			11.7	4.6	5 910 45 35	
			14.0	6.9	6 968' 49 21	



Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11
No. ____ Date ____ Date ____ Survey of Beach Erosion & BREIER
X-Sec. Notes Chkd. ____ Checked ____ Survey by Vogc Notes Vogc Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2800 Pg. 251

F.B. 2800 Pg. 252 | Job No. 030002 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 3-61

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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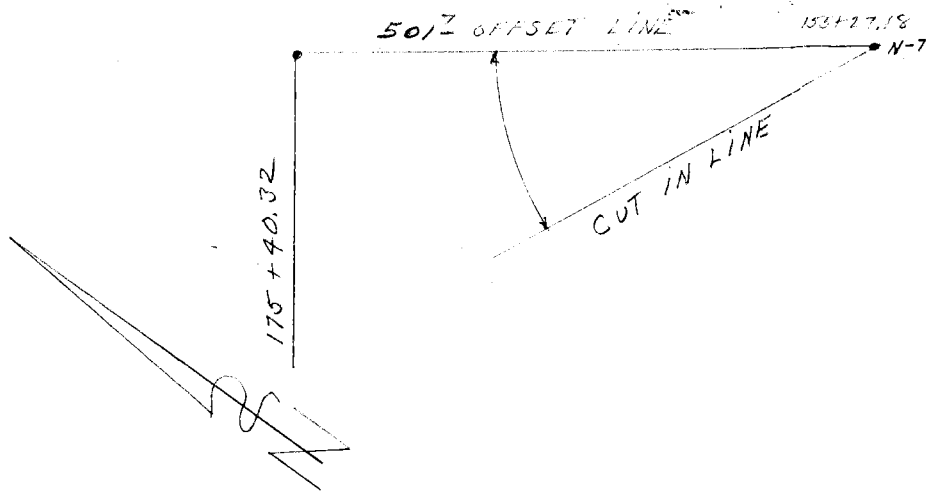
Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.62 Division No. 11 F. B. 3800 Pg. 253

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

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes R.T. Date 2-11-66

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



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Deg.	Line Min.	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
N-7 155+27.18	N-10 182+90.70	9:09	1	56°	25'			
			2	55°	00'			
			3	52°	40'			1754006
			4	50°	10'			
			5	47°	30'			
			6	44°	45'			1754008
			7	42°	10'			
			8	39°	20'	2152		
			9	36°	35'	1996		1754010
			10	33°	10'	1818		
			11	30°	00'	1664		
			12	28°	20'	1587		1754012
			13	25°	15'	1451		
			14	22°	50'	1350		
			15	20°	10'	1241		1754014
			16	17°	25'	1133		
			17	15°	50'	1073		
			18	14°	20'	1016		1754016
			19	12°	45'			
		9:15	20	11°	35'	915		
				00	00	OVER		1754018

76L298 307 Cdb 12-62

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. 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					
				0	00			
				0	00			
				0	00			1754020
				90	00			
				0	00			
				0	00			1754022
				0	00			
				0	00			
				0	00			1754024

F. B. 2800 Pg. 254 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Notes Date Date No.

Survey by RICHARDS Notes Chkd. Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

76-1-298 CE 307 3-61

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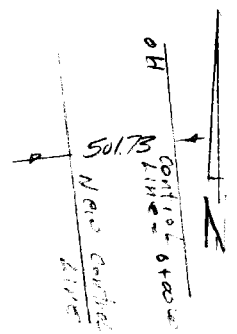
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 179+40 32 N
T.P	10.76	16.95		6.19	from Range 175+40 32 N @ 632' W
			+1.0	18.0	0' W Top of slope
			1.6	15.4	20' W Toe of slope
			5.0	12.0	120 W Break
			4.8	12.2	200 W flat
			4.6	12.4	300' W "
			5.0	12.0	410' W "
			4.30	12.65	501.7 W " (on 1x2)
			3.3	13.7	630' W Top of break
T.P.	0.38	6.22	11.11	5.84	692 W slope (1x2)
		4.7	16.8	-10.6	#1 1138 38° 30
		1.5	13.0	-6.8	2 1055 34 39
			9.7	-3.5	3 982 30 58
			7.5	-1.3	4 935 28 25
			7.4	-1.2	5 882 25 24
			6.1	+0.1	6 817 21 29
			5.1	1.1	7 768 18 24
			1.5	4.7	701 W. HI WATER

⊼ AT 171+40 32
SIGHT 179+40 32



Profile Notes Red ____ Plotted ____ Job No. 03000L Division No. 11 F.B. 2800 PG. 9255
No. ____ Date ____ Date ____ Survey of Beach Erosion & DREIGER
X-Sec. Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2800 Pg. 256 | 0300.02

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

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

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

76-L298 CE 307 3-61

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76L298 307 Cdb 12-62

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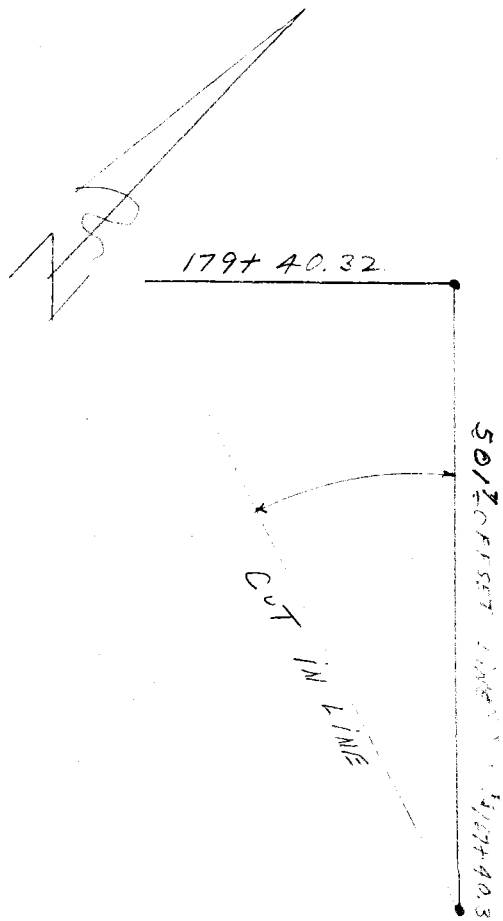
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
167+40.32	N-10 182+90.70	9:35	1	70°	15'			
			2	68°	25'			
			3	66°	55'			1794006
			4	65°	30'			
			5	63°	45'			
			6	61°	45'			1794008
			7	59°	35'			
			8	57°	20'			
			9	54°	30'			1794010
			10	51°	35'	2015		
			11	48°	55'			
			12	45°	50'	1730		1794012
			13	43°	35'			
			14	40°	40'	1533		
			15	37°	00'			1794014
			16	33°	00'	1281		
			17	30°	15'			
			18	27°	50'	1136		1794016
			19	26°	10'			
			20	23°	50'	1032		

CONT. PG



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 257

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes R.T. Date 2-11-66

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. 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					
				Cont. Pg.	From			
167+40.32	182+90.70	9:41	21	21°	30'			1794018
				00	00			
				00	00			
				00	00			1794020
				00	00			
				00	00			
				00	00			1794022
				00	00			
				00	00			
				00	00			1794024

F. B. 2800 Pg. 258 Job No. 0300.02 Division No. 11 Notes Red. Plotted

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed C. J. GALLI Date Date Date No. Profile

76-L298 CE 307 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 notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 181+40 32 W
T. P.	11.08	16.92		5.84	from Range 179+40 32 N @ 692' W
			3.4	13.5	0+00 W flat
			2.1	14.8	22' W Top of berm
			3.4	13.5	82' W Toe " "
			3.5	13.4	170' W flat
			4.2	12.7	265' W "
			4.3	12.6	370' W "
			4.47	12.45	501.7 W " (on 1x2)
			3.9	13.0	613 W Top of small rise
			4.3	12.6	705 W Top of break
T.P.	0.77	5.64	12.05	4.87	764 W Slope (1x2)
			0.9	4.7	765 W " HI WATER
			2.8	2.8	800 W "
			4.5	1.1	#1 857 30° 35'
			5.5	0.1	2 905 33 55
			6.6	-1.0	3 968 37 50
			9.6	-4.0	4 1057 42 45
			12.3	-6.7	5 1118 45 47
			15.5	-9.9	6 1195 49° 08'

501.7

Old Contract Line = 0+00 W

Main Contract Line

⊼ AT 175+40 32
SIGHT ON 181+40 32

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2800 Pg. 259
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge & DREIER Date 2-11-66
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date FEB 2 3 '66

F. B. 2800 Pg. 260 0300.02

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

76L298 307 Cdb 12-62

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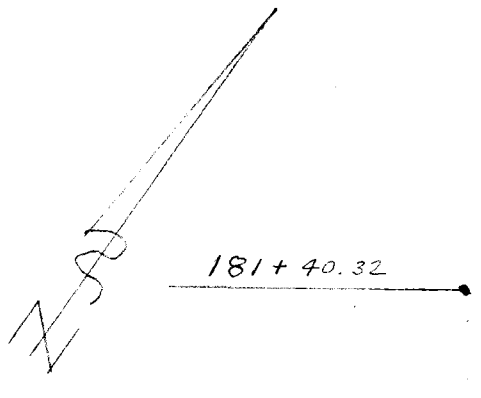
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
167+40.32	N-10 182+90.70	9:47	1	63°	05'			
			2	61°	15'			
			3	59°	05'			1814008
			4	56°	25'			
			5	53°	50'			
			6	51°	10'			1814010
			7	47°	40'	2039		
			8	43°	35'			
			9	40°	00	1677		1814012
			10	36°	30'			
			11	32°	50'	1405		
			12	28°	20'			1814014
			13	25°	10'	1160		
			14	23°	10'			
			15	21°	45'	1060		1814016
		9:52	16	19°	30'	938		
				00	00			
				00	00			1814018



Profile No. ____ Notes Red ____ Plotted ____ Job No. 3001.02 Division No. 11 F. B. 2 SEAL Pg. 261

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

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by [illegible] Notes R.T. Date 2-11-66

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

F. B. 2800 PG. 262 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT DON'T PUNCH	SIGHT ON DON'T PUNCH	TIME DON'T PUNCH	ANGLE Nº DON'T PUNCH	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº.
				00	00			
				00	00			
				00	00			18/4020
				90	00			
				00	00			
				00	00			18/4022
				00	00			
				00	00			
				00	00			18/4024

76-L298 CE 307 3-61

PLEASE RETURN TO
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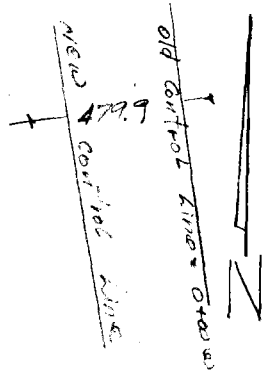
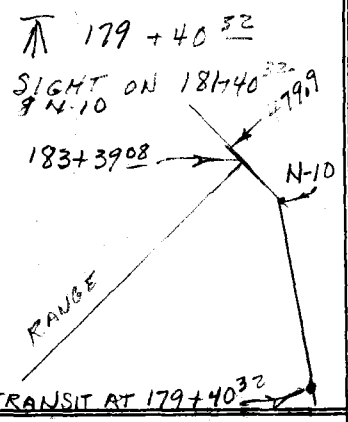
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 183+39.08	
T.P	11.34	16.21		4.87	from Range 181+40.32 N @ 764' W	
			+1.0	17.2	0+00W	Top of berm
			2.2	14.0	30' W	Toe " "
			3.5	12.7	140' W	flat
			3.7	12.5	240 W	"
			4.3	11.9	340 W	"
			4.6	11.6	455 W	
			4.78	11.43	479.9 W	(on 1x2')
			4.0	12.2	580' W	Top of rise
			4.6	11.6	675 W	break
			4.2	12.0	750 W	Top of break
T.P.	1.94	6.43	11.72	4.49	810 W	Slope (1x2)
			17	4.7 1.7	807 W	"HI WATER
			43	21	#1	47° 35'
			66	-02	2	54 25
			78	-14	3	57 15
			123	-59	4	62 54
			143	-79	5	64° 28'





Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge & DREIER Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2800 Pg. 263

F.B. 2800 Pg. 264 | 0300.02

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed G. J. GATTI Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

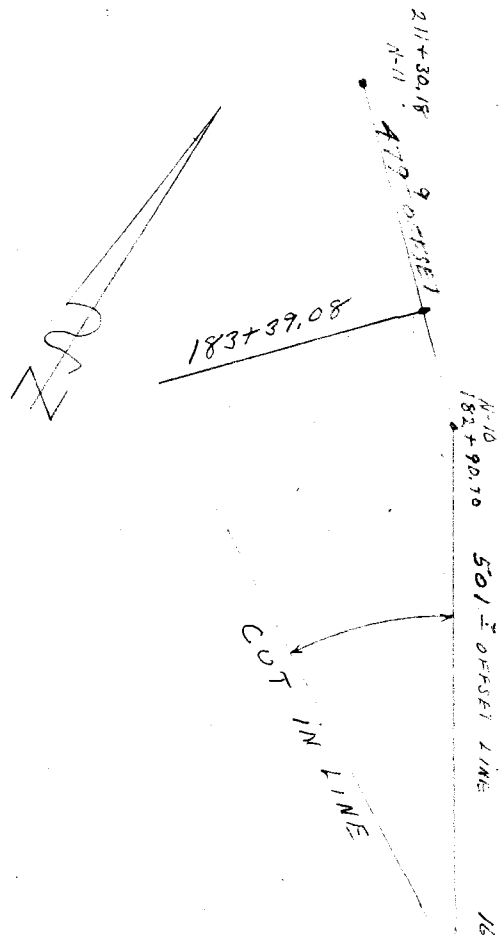
76L298 307 Cdb 12-62

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

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
167+40.32	N-10 182+90.70	10:06	1	59°	25'	3173	35.7	
			2	58°	00'	3028	34.0	
			3	56°	10'	2855	32.7	1833910
WEST OF			4	54°	20'	2699	31.6	
BREAKWATER			5	52°	55'	2584	30.2	
			6	48°	25'	2276	—	1833912
START			7	49°	30'	2281	—	
EAST OF BREAKWATER			8	48°	05'	2255	27.8	
			9	42°	20'	1933	24.2	1834010
			10	38°	15'	1737	22.3	
			11	33°	50'	1559	19.3	
			12	29°	40	1389	14.6	1834012
			13	27°	50'	1323	10.8	
			14	24°	45'	1216	7.6	
			15	22°	45'	1149	5.7	1834014
		10:11	16	21°	50'	1120	5.3	
				00	00			
				00	00			1834016
				00	00			
				00	00			
				00	00			1834018



Profile Notes Red. ____ Plotted ____ Job No. 03000.02 Division No. 11 F. B. 2800 Pg. 265
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes R.T. Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLA Date ____

F. B. 2800 PG. 266 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT 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.
				00	00			
				00	00			
				00	00			1833914
				90	00			
				00	00			
				00	00			1833916
				00	00			
				00	00			
				00	00			1833918
				90	00			
				00	00			
				00	00			1834020
				00	00			
				00	00			
				00	00			1834022

76-L298 CE 307 3-61

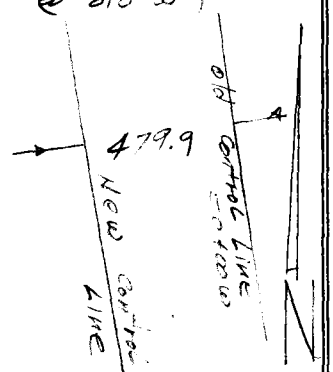
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 185+39.08 N
T.P.	9.39	13.88		4.49	(From Range 183+39.08 @ 810' W)
			+1.8	15.7	0+00 W Top of rise
			0.8	13.1	100' W slope
			2.9	11.0	210' W "
			4.7	9.2	320' W break
			5.4	8.5	410 W break
			5.05	8.83	479.9 W slope (1x2)
			2.8	11.1	600 W Top of rise
			4.4	9.5	700 W break
			3.4	10.5	830' W Top of break
T.P.	10.32	14.14	10.06	3.82	960 W slope (1x2)
T.P.	7.42	21.22	0.34	13.80	
BM 27-15A			5.97	15.25	BM 27-15A Elev. = 15.181
					Pacific Ave & 62nd Ave, N. E. Cor.
					a Flood Control Brass disc marked
					BM 115-38 1948
	311	6.93		3.82	960 W. T.P. CONT FROM ABOVE
			120	-5.1	#1 54° 29'
			102	-3.3	2 52 05
			78	-0.9	3 47 59

SEE NEXT PAGE



CONT.

Profile Notes Red ____ Plotted ____ Job No. 3005 Division No. 11 F.B. 2800 Pg. 267
No. ____ Date ____ Date ____ Survey of Beach Erosion & DREIER
X-Sec. Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLO Date FEB 2 3 '66

76-L298 CE 307 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 notes this side of this line.

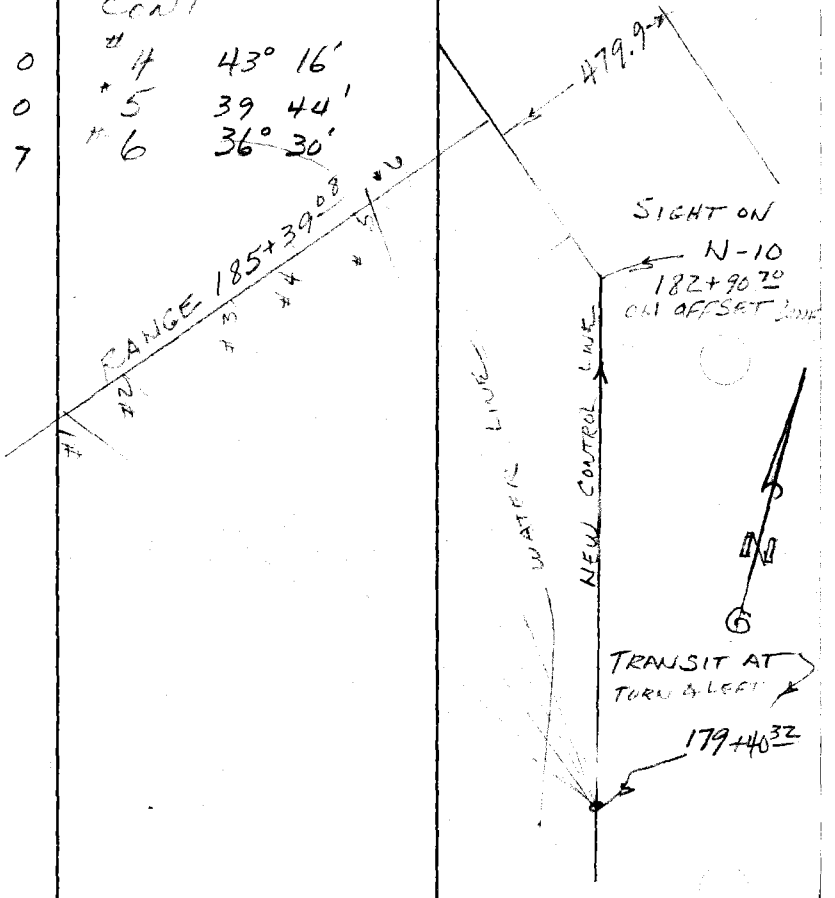
F.B. 2800 Pg. 268 | Job No. 0300.02 Division No. ____ Notes Red ____ Plotted ____ Profile No. ____

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

Survey by DREIER Notes: DREIER Notes Chkd. ____ Checked ____

Indexed ____ Date ____ Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.		
		6 93			CONT	
			59	+10	#4 43° 16'	
			39	+30	#5 39 44'	
			22	+47	#6 36° 30'	



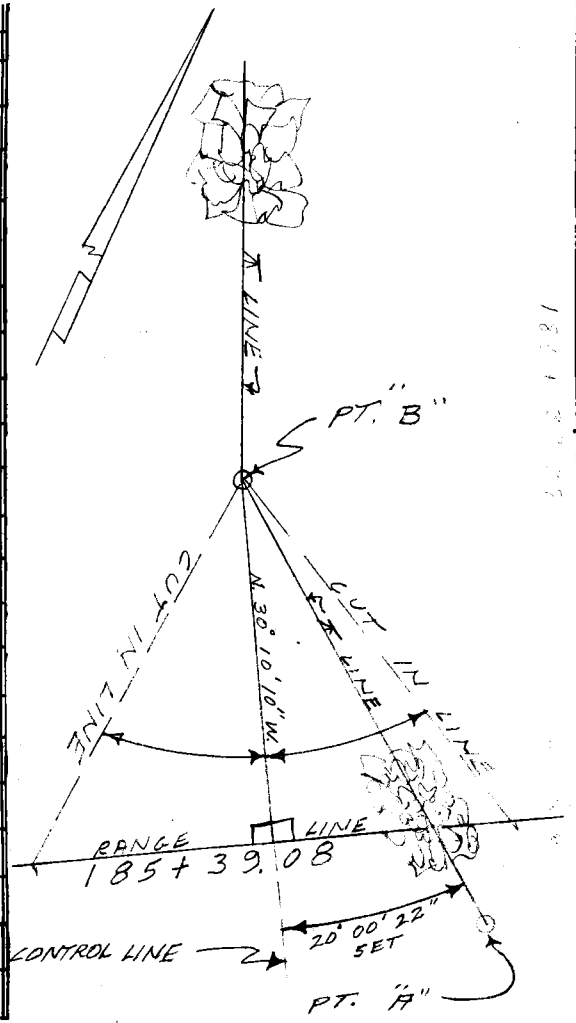
76L298 307 Cdb 12-62

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

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "B"	CONTROL LINE	11:23	1	67°	25' R	DIST.		
			2	63°	50' R			
WEST OF BREAKWATER			3	59°	20' R			1853912
			4	52°	10' R			
			5	42°	45' R	-		
			6	30°	30' R			1853914
			7	16°	20' R			
			8	03°	25' R			
			9	06°	25' L			1853916
EAST OF BREAKWATER			10	25°	20' L	184		
			11	38°	20' L	307		
			12	54°	15' L	539		1854012
			13	61°	45' L	722		
			14	66°	40' L	900		
			15	69°	55' L	1,062		1854014
			16	72°	20' L	1,219		
			17	73°	40' L	1,325		
			18	74°	50' L	1,432		1854016
			19	75°	15' L	1,474		
		11:31	20	75°	50' L	1,538		
				00	00			1854018



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 2800 Pg. 269
No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

76L298 307 Cdb 12-62

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F. B. 2800 PG 270 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed G. J. GALLI Date Date Date No.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
						90	00	
						00	00	
						00	00	1853908
						00	00	
						00	00	
						00	00	1853910
						00	00	
						00	00	
						00	00	1853918
						90	00	
						00	00	
						00	00	1854008
						00	00	
						00	00	
						00	00	1854010
						00	00	
						00	00	
						00	00	1854020

76-L298 CE 307 3-61

PLEASE RETURN TO
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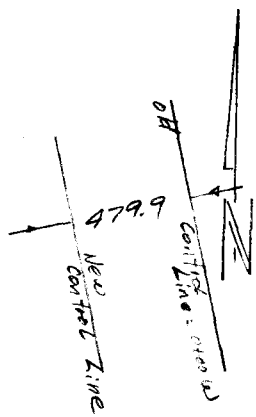
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 201+39.08 N	
BM N-12	5.14	19.53		14.39	BM N-12	Elev. 14.388
T.P.	5.32	20.05	4.80	14.73	L&T in Walk per FB 2100-174	
			5.5	14.6	10' W. edge of conc. walk	
			4.6	15.5	80' W flat	
			4.0	16.1	150' W Top of break	
			6.5	13.6	210' W bottom " "	
			6.5	13.6	330' W flat	
T - P	0.68	14.96	5.77	14.28	479.9 W " (1x2)	
			1.2	13.8	580 W flat	
			1.1	13.9	650 W Top of break	
			3.8	11.2	710 W slope	
			5.5	9.5	840 W bott of break	
			4.1	10.9	940 W Top of break	
T.P.	2.94	7.07	10.83	4.13	1000' W. Slope (1x2)	
			2.4	4.7	995 W. "	
			53	18	#1 37° 15'	
			74	-03	#2 39° 23	
			105	-34	3 42° 26	
			133	6.2 -56	4 45° 25	
			152	-81	5 47° 06	



AT 209+39 N.
SIGHT ON 201+39.08

Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11 F.B. 2800 Pg. 271
No. ____ Date ____ Date ____ Survey of Beach Erosion & Dreier
X-Sec. Notes Chkd. ____ Checked ____ Survey by Vogel Notes Vogel Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2800 Pg. 272 | 0300.02 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed G. J. GALLI Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

76L298 307 Cdb 12-62

PLEASE RETURN TO

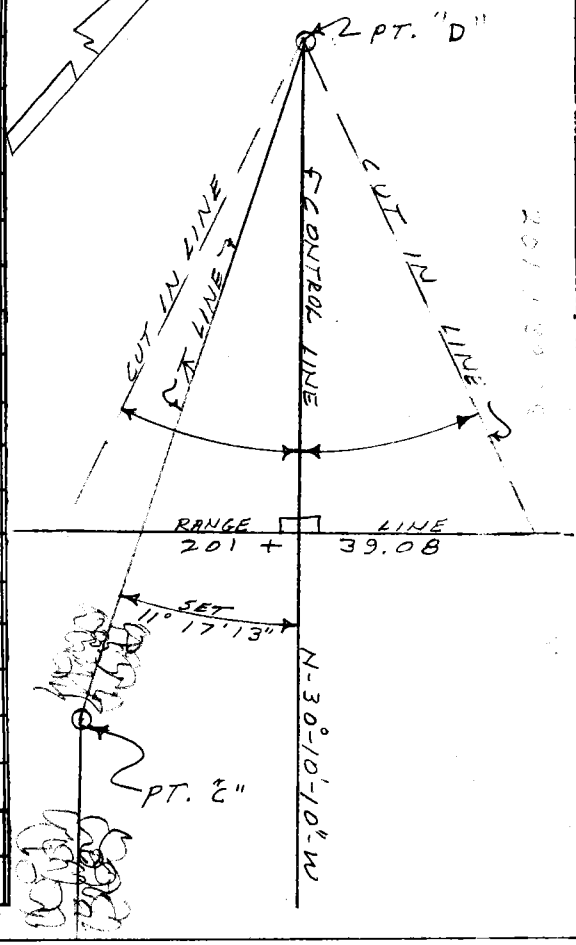
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "D"	CONTROL LINE	12:08	1	68°	00'R			
			2	65°	00'R			
WEST BREAKWATER			3	60°	35'R			2013912
			4	55°	20'R			
			5	48°	25'R			
			6	39°	50'R			2013914
			7	28°	10'R			
			8	22°	45'R			
EAST OF	BREAKWATER		9	04°	00'R			2013916
			10	06°	15'L			
			11	29°	00'L			
			12	47°	40'L			2014012
			13	54°	50'L			
			14	60°	25'L			
			15	63°	55'L			2014014
			16	66°	50'L			
			17	68°	55'L			
			18	70°	50'L			2014016
		12:15	19	71°	45'L			
				00	00			
				00	00			2014018



Profile Notes Red. ____ Plotted ____ Job No. 030[illegible] Division No. 11 F. B. 3800 Pg. 273

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-11-66

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

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2800 PG. 274 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

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	00	
						00	00	2013908
						00	00	
						00	00	
						00	00	2013910
						00	00	
						00	00	
						00	00	2014006
						90	00	
						00	00	
						00	00	2014008
						00	00	
						00	00	
						00	00	2014010

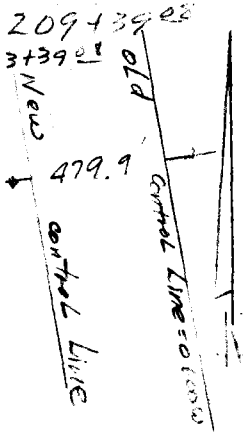
76-L298 CE 307 3-61

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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 203+39 08 N
T.P.	11.65	15.78		4.13	(from Range 201+39 08 N @ 1000' W)
			+1.5	17.3	10' W edge of walk
			+0.9	16.7	100' W Top of break
			1.0	14.8	200' W bott. " "
			1.5	14.3	300' W flat
			1.8	14.0	400' W
			0.70	15.08	479.9 W (on 1x2) flat
			0.5	15.3	590 W Top of break
			4.5	11.3	680 W bott " "
			3.9	12.9 (11.9)	810 W Top of break
T.P.	225	7.08	10.95	4.83	920 W Slope (1x2)
			179	-10.8	#1 51° 46' ⊼ AT 209+39 08
			152	-8.1	2 49 43 SIGHT ON 203+39 08
			109	-3.8	3 45 49
			79	-0.8	4 39 54
			57	1.4	5 36° 27'
			24	4.7	921 W. SLOPE HI WATER



Profile Notes Red ____ Plotted ____ Job No. 03002 Division No. 11
No. ____ Date ____ Date ____ Survey of Beach Erosion & Dreier
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voye Notes Voye Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. Gall Date ____

F.B. 2800 PG 275

F.B. 2800 Pg. 276 | 030002 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed G. J. GALLI Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

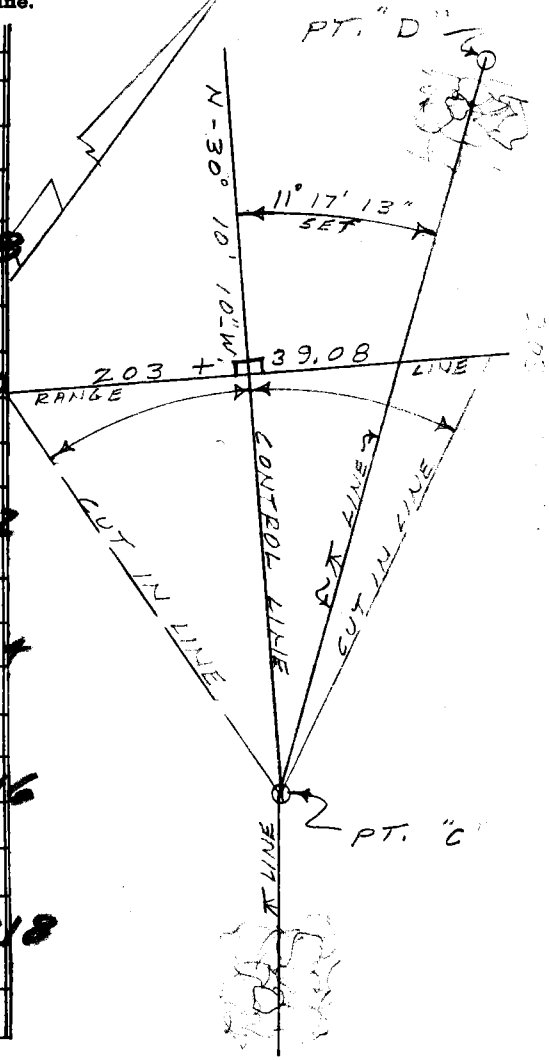
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "C"	CONTROL LINE	[illegible]	1	67°	35' L			
			2	63°	50' L			
			3	60°	05' L			2033908
WEST OF	BREAKWATER		4	55°	40' L			
			5	47°	55' L			
			6	38°	15' L			2033910
			7	25°	40' L			
			8	15°	35' L			
			9	02°	45' L			2033912
EAST OF	BREAKWATER		10	18°	00' R			
			11	28°	10' R			
			12	46°	10' R			2033914
			13	54°	30' R			
			14	60°	50' R			
			15	65°	20' R			2033916
			16	69°	00' R			
			17	71°	45' R			
			18	73°	35' R			2033918
			19	74°	25' R			
			20	75°	20' R			

CONT. Pg.



Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 11 F. B. 2800 Pg. 277

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes R.T. Date 2-11-66

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

F. B. 2800 PG. 278 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed [illegible] J. GALLI Date Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
POINT "C"	POINT "D"	12:38	21	75°	50'			203920
				CONT. FROM PG.	FROM			

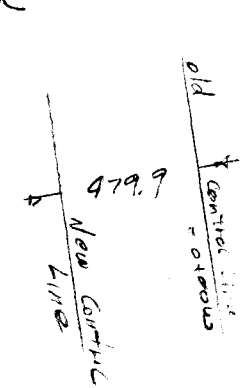
76-L298 CE 307 3-61

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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 205+39.08 N
T.P.	12.12	16.95		4.83	from Range 203+39.08 N @ 920 W.
			2.5	14.5	10' W edge of conc walk
			1.5	15.5	110' W. Top of break
			1.9	15.1	210' W Slope
			3.1	13.9	315' W "
			3.3	13.7	380' W break
			1.59	15.36	479.9 W (1x2) flat
			1.9	15.1	545' W Top of break
			5.3	11.7	650' W bott. " "
			4.1	12.8	720' W Top of break
T.P.	11.96	18.13	10.78	6.17	800 W Slope (1x2)
T.P.	4.77	19.28	3.62	14.51	
			4.88	14.40	
T.P.	1.74	7.91		6.17	T.P. 800 W. (↑ ON 201+39.08 SIGHT ON 205+39.08)
			32	.47	814 W. SLOPE HI WATER
			58	.21	#1 42° 44'
			76	.03	2 47 13
			134	-.55	3 54 17
			170	-.91	4 57° 24'



Profile Notes Red ____ Plotted ____ Job No. 8W.0 Division No. 11 F.B. 2800 Pg. 279
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Yoge Notes Yoge & Dreier Date 3-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

F. B. 2800 PG. 280 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed G. J. GALLI Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 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

76L298 307 Cdb 12-62

PLEASE RETURN TO

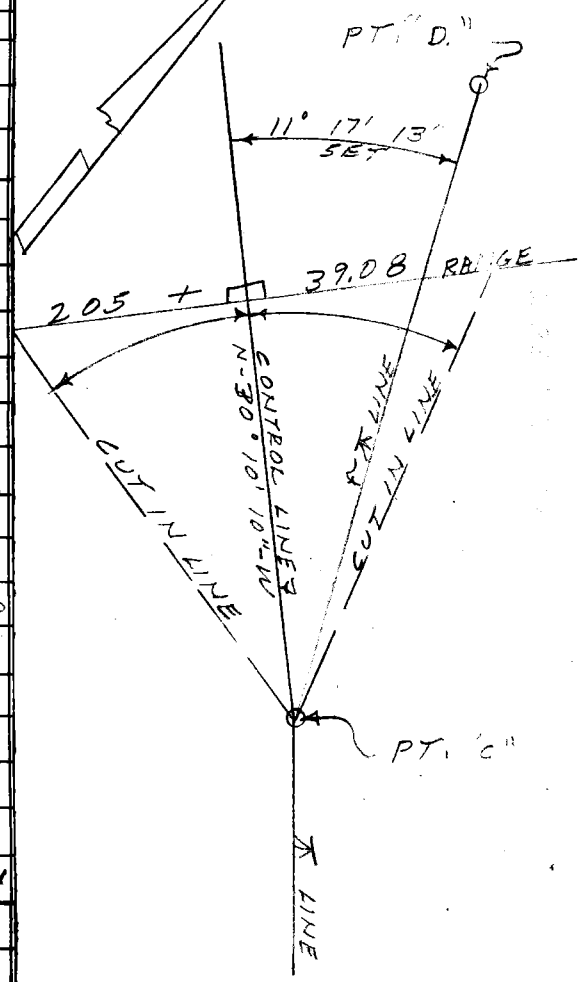
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "C"	CONTROL LINE	12:45	1	63°	30' L			
			2	60°	10' L			
			3	55°	35' L			2053908
			4	49°	55' L			
WEST OF	BREAKWATER		5	42°	35' L			
			6	34°	25' L			2053910
			7	24°	00' L			
			8	14°	10' L			
			9	06°	55' L			2053912
			10	00°	40' R			
EAST OF	BREAKWATER		11	16°	30' R			
			12	27°	50' R			2053960
			13	42°	30' R			
			14	50°	40' R			
			15	56°	20' R			2053962
			16	60°	50' R			
			17	64°	15' R			
			18	66°	50' R			2053964
			19	68°	30' R			
			20	69°	35' R			
				70	25			2053966



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2800 Pg. 281

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 2-11-66

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2800 PG. 282 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed G. J. GALLI Date Date Date No.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				CONT FROM PG.				
POINT "C"	POINT "D"	12:58	21	~~70°~~	~~25'~~			
				00	00			
				00	00			
				00	00			2053968

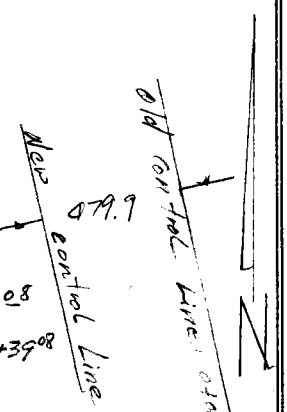
76-L 298 CE 307 3-61

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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 207+39.08 N
TP	4.40	18.80		14.40	from T.P. previous page
			4.4	14.4	10' W edge of walk
			4.1	14.7	110' W flat
			2.8	16.0	210 W Top of break
			5.0	13.8	330' W bolt " "
			3.8	15.0	430' W flat
			3.9	14.9	500' W Top of break (E edge)
			5.2	13.6	640' W " " " (W edge)
T.P.	1.11	8.33	11.58	7.22	710' W Slope (1x2)
			17.4	-9.1	#1 41° 18' ⊼ AT 201+39.08
			13.4	-5.1	2 37° 05 SIGHT ON 207+39.08
			9.2	-0.9	3 32° 00'
			6.7	1.6	4 27° 53'
			5.7	2.6	5 25° 00'
			3.6	4.7	734' W. SLOPE HI WATER



Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2800 Pg. 283
No. ____ Date ____ Date ____ Survey of Beach Erosion & Dreier
X-Sec. Notes Chkd. ____ Checked ____ Survey by Voge Notes Voge & Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2800 PG 284 | 0300.02

Job No. Division No. Notes Red Plotted Profile

Survey of BEACH EROSION Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76-L298 CE 307 3-61

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 Cdb 12-62

PLEASE RETURN TO

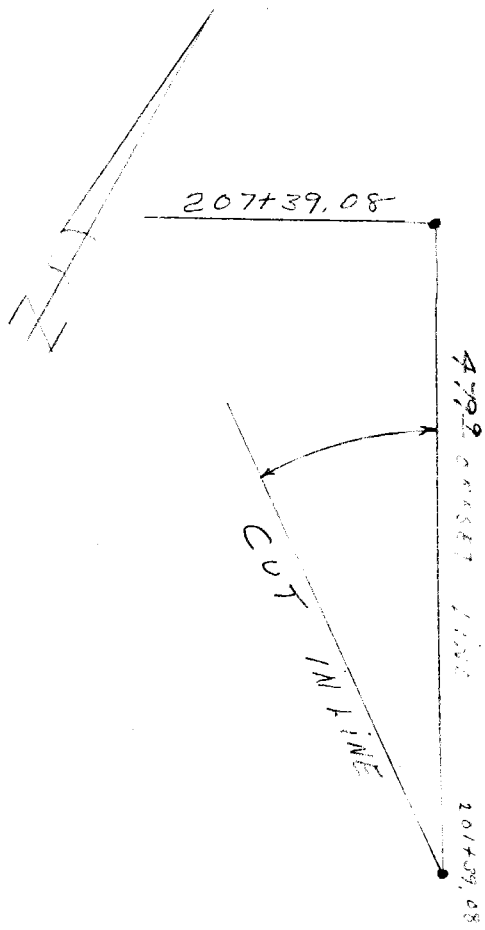
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
201+39.38	N-11 211+30.18	13:20	1	76°	05'			
			2	75°	05'			
			3	74°	10'			2073908
			4	73°	05'			
			5	71°	35'			
			6	69°	55'			2073910
			7	68°	10'			
			8	65°	50'			
			9	63°	20'			2073912
			10	60°	25'			
			11	56°	45'			
			12	53°	10'			2073914
			13	49°	40'			
			14	45°	45'			
			15	41°	25'			2073916
			16	37°	15'			
		13:24	17	33°	35'			
				00	00			2073918



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

X-Sec. No.____ Date____ Date____ Survey of HYDROGRAPHIC SURVEY

Notes Chkd.____ Date____ Checked____ Date____ Survey by [illegible] Notes R.T. Date 2-11-66

Map No.____ Indexed C. J. GALLI Date____

F. B. [illegible] Pg. 785

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			2073920
				90	00			
				00	00			
				00	00			2073922
				00	00			
				00	00			
				00	00			2073924

F. B. 2800 Pg 286 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed C. J. GALLI Date Date Date No.

76-1-298 CE 307 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 notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 209+39 08 N
T.P.	11.55	18.77		7.22	from Range 207+39 08 N @ 710 W
			4.6	14.2	10' W edge of walk
			4.1	14.7	110' W flat
			4.3	14.5	220' W "
			4.6	14.2	335' W "
			5.0	13.8	380' W break
			3.26	15.51	479.9 W (Top of Rise) on 1x2
			4.9	13.9	570 W Top of break
T. P.	11.08	18.83	11.02	7.75	635 W Slope (on 1x2)
BM N-11			5.06	13.77	BM N-11 Elev = 13.753
					Brass disc in walk marked N-11 per FB 2100-174
T.P.	0.67	8.42		7.75	T.P. 635 W. CONT.
			3.7	4.7	679 FT. W. SLOPE HI WATER
			6.2	2.2	#1 16° 08'
			8.4	0.0	2 20 55
			13.5	-5.1	3 26 33
			17.0	-8.6	4 30 19

Now control line

old Control line = 0+00 W

479.9'

⊼ AT 201+39 03
SIGHT ON 209+39 03

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Vogel Notes Vogel & DRIER Date 2-11-66
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2800 Pg. 287

F.B. 2800 Pg. 288 | 0300.02

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

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

Indexed R. J. GALLI Date _____ Date _____ Date _____ Date _____ No. _____

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

76-L296 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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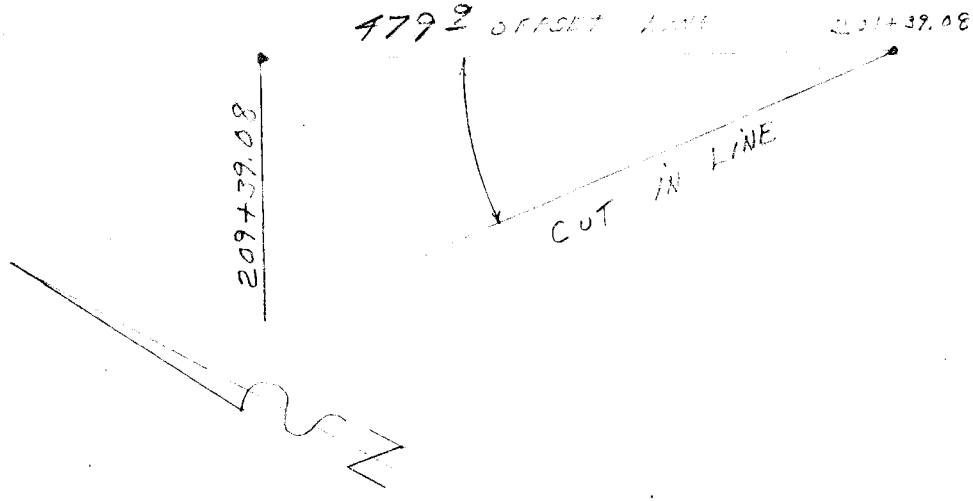
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE.

Profile No. _____ Notes Red. _____ Plotted _____ Job No. [illegible] Division No. 11 | F. B. 2800 Pg. 289

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

Notes Chkd. _____ Checked _____ Survey by RICHARDS Notes P.T. Date 2-11-66

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



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 SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
201+39.08	N-11 211+30.18	13:28	1	74°	40'			
			2	73°	00'			
			3	71°	50'			2093908
			4	70°	35'			
			5	69°	20'			
			6	68°	00'			2093910
			7	65°	45'			
			8	63°	25'			
			9	61°	10'			2093912
			10	58°	00'			
			11	54°	35'			
			12	50°	15'			2093914
			13	45°	45'			
			14	40°	00'			
			15	34°	00'			2093916
			16	29°	25'			
			17	25°	10'			
		13:33	18	22°	15'			2093918

298 307 Cdb 12-62

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
				00	00			
				00	00			
				00	00			2093920
				90	00			
				00	00			
				00	00			2093922
				00	00			
				00	00			
				00	00			2093924

F. B. 2800 Pg. 290 Job No. 0300.02 Division No. 11 Notes Red. Plotted No.

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed G. J. Date Date Date No.

Profile

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

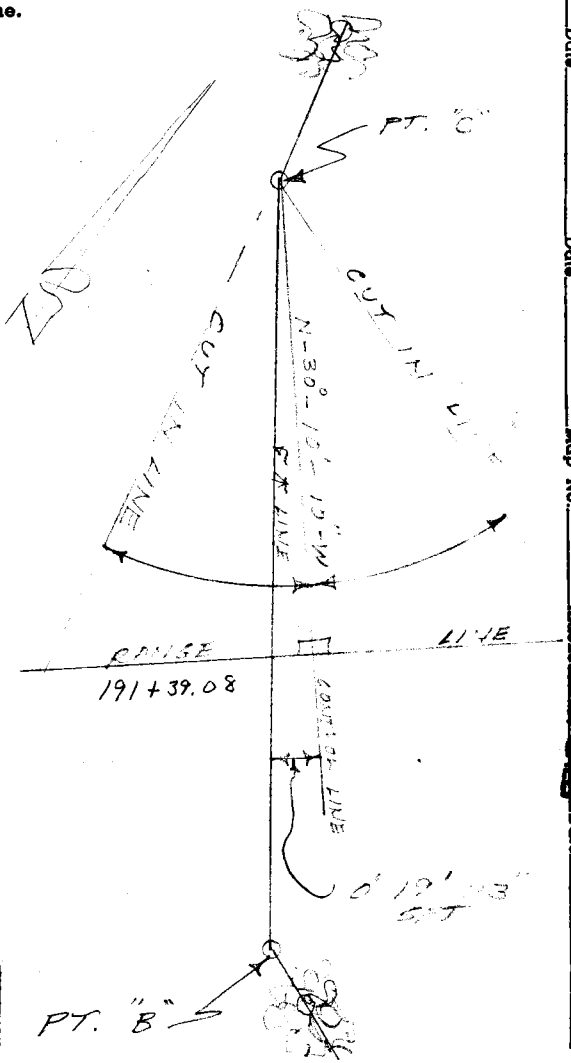
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "C"	POINT "B"	9:17	1	61°	25' R			
			2	58°	45' R			
			3	55°	35' R			1913912
WEST OF BREAKWATER			4	52°	15' R			
			5	46°	00' R			
			6	38°	35' R			1913914
			7	29°	35' R			
			8	20°	30' R			
			9	15°	30' R			1913916
			10	12°	20' R			
			11	09°	15' R			
			12	06°	05' R			1913918
EAST OF BREAKWATER			13	04°	00' L			
			14	08°	05' L			
			15	12°	45' L			1914012
			16	18°	45' L			
			17	25°	50' L			
			18	31°	50' L			1914014
			19	36°	10' L			
			20	39°	45' L			

CONT. PG.



Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2800 Pg. 291

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes R.J. Date 2-14-66

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	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					
				CONT. PG.	FROM			
POINT "C"	POINT "B"	9:24	21	42°	40'			1914016
						90	00	
						00	00	
						00	00	1913908
						00	00	
						00	00	
						00	00	1913910
						00	00	
						00	00	
						00	00	1913920
						90	00	
						00	00	
						00	00	1914008
						00	00	
						00	00	
						00	00	1914010
						00	00	
						00	00	
						00	00	1914018

F. B. 2800 PG. 292

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

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed [illegible] Date Date Date No.

76L298 307 Cdb 12-62

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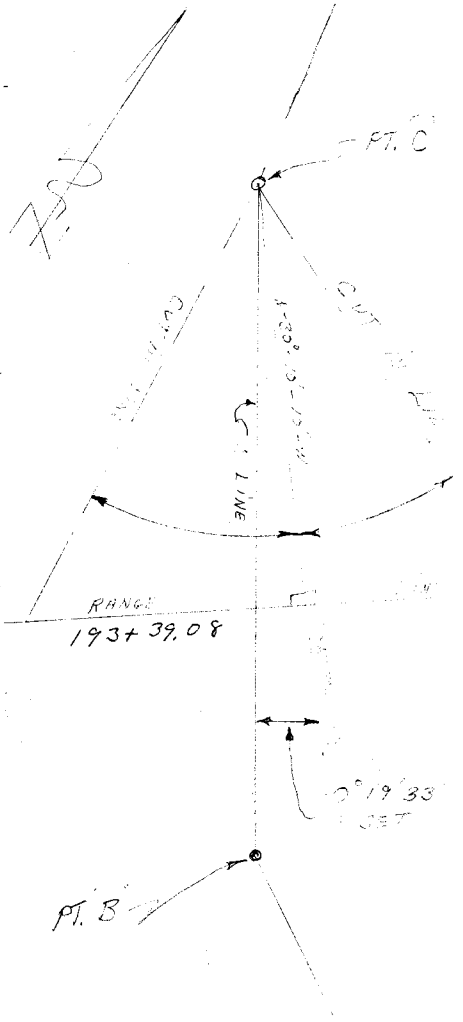
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "C"	POINT "B"	9:32	1	69°	25' R			
			2	67°	00' R			
			3	65°	05' R			1933912
			4	62°	45' R			
WEST SIDE OF BREAKWATER			5	60°	00' R			
			6	55°	00' R			1933914
			7	48°	45' R			
			8	42°	45' R			
			9	34°	45' R			1933916
			10	25°	00' R			
			11	21°	30' R			
			12	17°	15' R			1933918
			13	~~13°~~	~~15' R~~			
			14	~~08°~~	~~00' R~~			
EAST SIDE OF BREAKWATER			15	05°	00' L			
			16	07°	30' L			
			17	13°	45' L			1934012
			18	22°	20' L			
			19	30°	00' L			
			20	36°	35' L			1934014

CONT. PG.



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2800 Pg. 293

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes R.T. Date 10-66

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "C	POINT "B"		21	42°	25' L			
			22	46°	35' L			
		9:39	23	51°	30' L			1934016
				90	00			
				00	00			
				00	00			1933908
				00	00			
				00	00			
				00	00			1933910
				13	15			
				08	00			
				00	00			1933920
				00	00			
				00	00			
				00	00			1933922
				00	00			
				00	00			
				00	00			1934018

F. B. 2800 Pg. 294

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

Survey of HYDROGRAPHIC SURVEY Date Date No.

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

Indexed G. J. GALLI Date Date Date No.

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

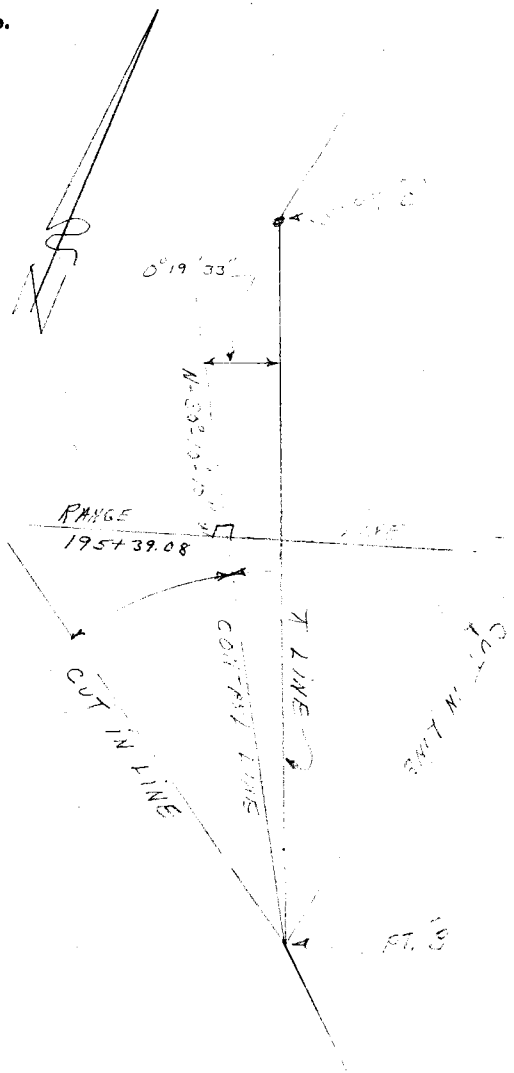
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "B"	POINT "C"	9:55	1	71°	20' L			
			2	69°	25' L			
			3	67°	50' L			1953908
			4	65°	20' L			
			5	63°	00' L			
			6	59°	50' L			1953910
WEST SIDE OF BREAKWATER			7	56°	00' L			
			8	51°	35' L			
			9	46°	45' L			1953912
			10	39°	35' L			
			11	32°	35' L			
			12	25°	30' L			1953914
			13	16°	40' L			
			14	13°	45' L			
			15	10°	05' L			1953916
			16	~~07°~~	~~20' L~~			
EAST SIDE OF BREAKWATER			17	05°	45' R			
			18	08°	15' R			
			19	12°	05' R			1953918
			20	18°	45' R			

CONT. PG.



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

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

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

Map No. ____ Date ____ Indexed G. L. CALLY Date ____ Notes ____

F. B. 2800 Pg. 295

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				CONT. From Pg.				
POINT "B"	POINT "C"		21	26°	10' R			
			22	32°	30' R			1953940
			23	38°	40' R			
			24	45°	20' R			
		10:04	25	49°	30' R			1953942
				07	20			
				00	00			
				00	00			1953918
				00	00			
				00	00			
				00	00			1953920
				90	00			
				00	00			
				00	00			1953922
				00	00			
				00	00			
				00	00			1953924
				00	00			
				00	00			
				00	00			1953944

F. B. 2800 PG. 296

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

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

Survey by RICHARDS Notes Notes Chkd. Checked

Indexed Date Date No.

76L298 307 Cdb 12-62

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LOS ANGELES COUNTY SURVEYOR

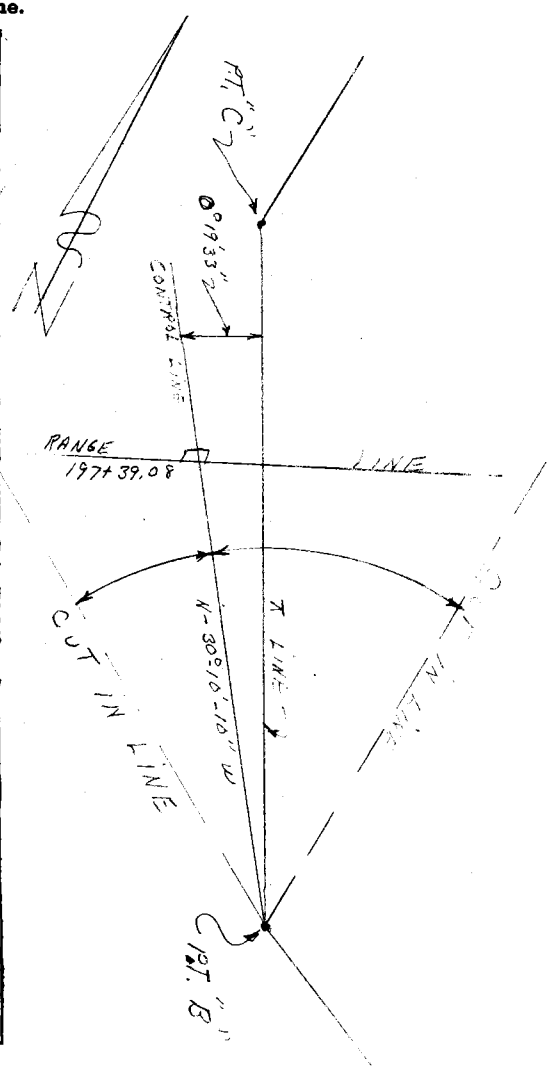
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	FOR OFFICE USE ONLY RANGE LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
POINT "B"	POINT "C"	10:14	1	60°	25' L			
			2	58°	30' L			
			3	56°	05' L			1973908
			4	52°	00' L			
			5	45°	30' L			
			6	40°	00' L			1973910
WEST Side of BREAKWATER			7	34°	10' L			
			8	27°	10' L			
			9	20°	40' L			1973912
			10	13°	25' L			
			11	10°	15' L			
			12	08°	15' L			1973914
			13	~~05°~~	~~15' L~~			
EAST Side of BREAKWATER			14	04°	25' R			
			15	06°	00' R			
			16	09°	25' R			1973956
			17	14°	05' R			
			18	21°	05' R			
			19	26°	20' R			1973958
			20	32°	30' R			

CONT. PS.



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 297

No. ____ Date ____ Date ____ Survey of HYDROGRAPHIC SURVEY

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

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

76L298.307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE LINE DEG.	RANGE LINE MIN.	CARD Nº.
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
				CONT. PS.	FROM			
POINT "B"	POINT "C"		21	37°	20' R			
		10:28	22	41°	25' R			1973960
			23	00	00			
			24	00	00			
				00	00			1973962
				90	00			
				00	00			
				00	00			1973964
				00	00			
				00	00			
				00	00			1973966

F. B. 2800 PG. 298 Job No. 6300.02 Division No. 11 Notes Red. Plotted No. Profile

Survey of HYDROGRAPHIC SURVEY Date Date X-Sec.

Survey by RICHARDS Notes Notes Chkd. Checked No.

Indexed C. Date Date Date

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	~~JN2300.02~~ Tape Std °F
Office Work	Surveyed by W.A. RICHARDS
Checked	Notes U/HARRIET Date 2-2-66
Date	Indexed C. J. Gaile

F. B. 2800 PG. 299

— TIDE GAUGE READINGS —
FEB. 2, 1966
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
6:00 A.M.	5.8
6:30	5.6
7:00	5.5
7:30	5.1
8:00	4.7
8:30	4.2
9:00	3.5
9:30	2.8
10:00	2.1
10:30	1.3
11:00	0.7
11:30	0.2
12:00	-0.3
12:30	-0.7
1:00	-1.0

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

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE#310 1-65

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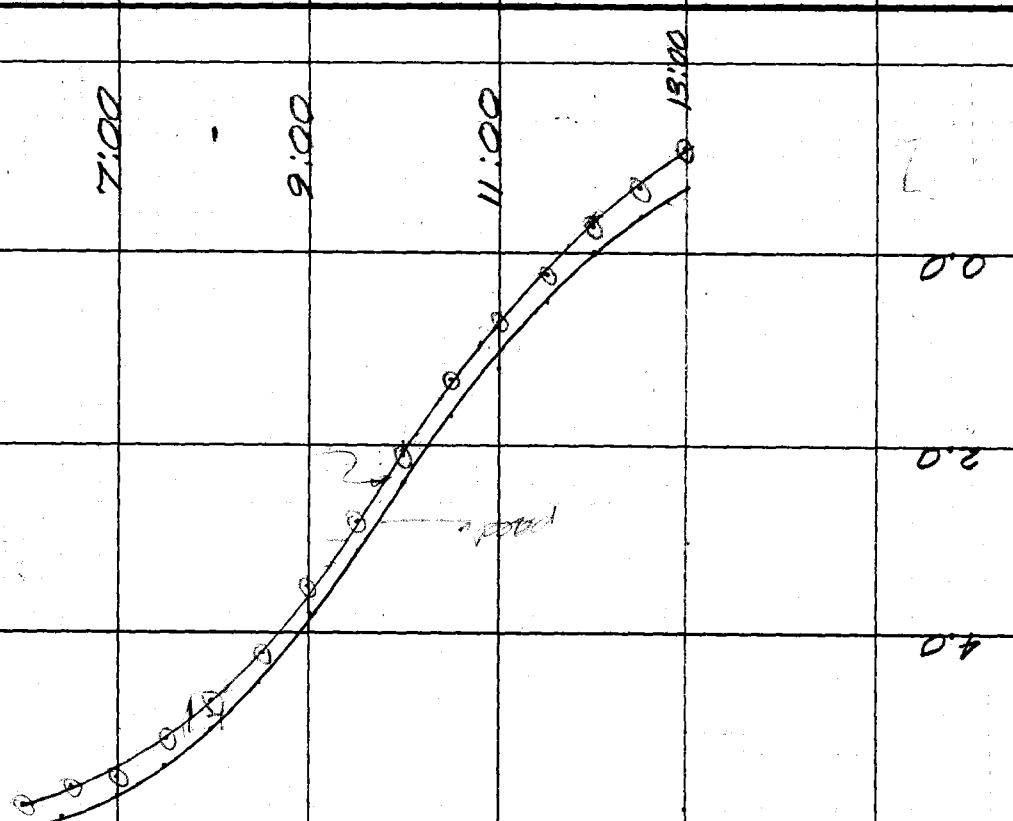
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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. 2800 PG. 300

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0300-02 Tape Std °F
Office Work	Surveyed by W.A. RICHARDS
Checked	Notes U HARRIET Date 2-3-66
Date	Indexed C. J. GAILL

F. B. 2800 PG. 301

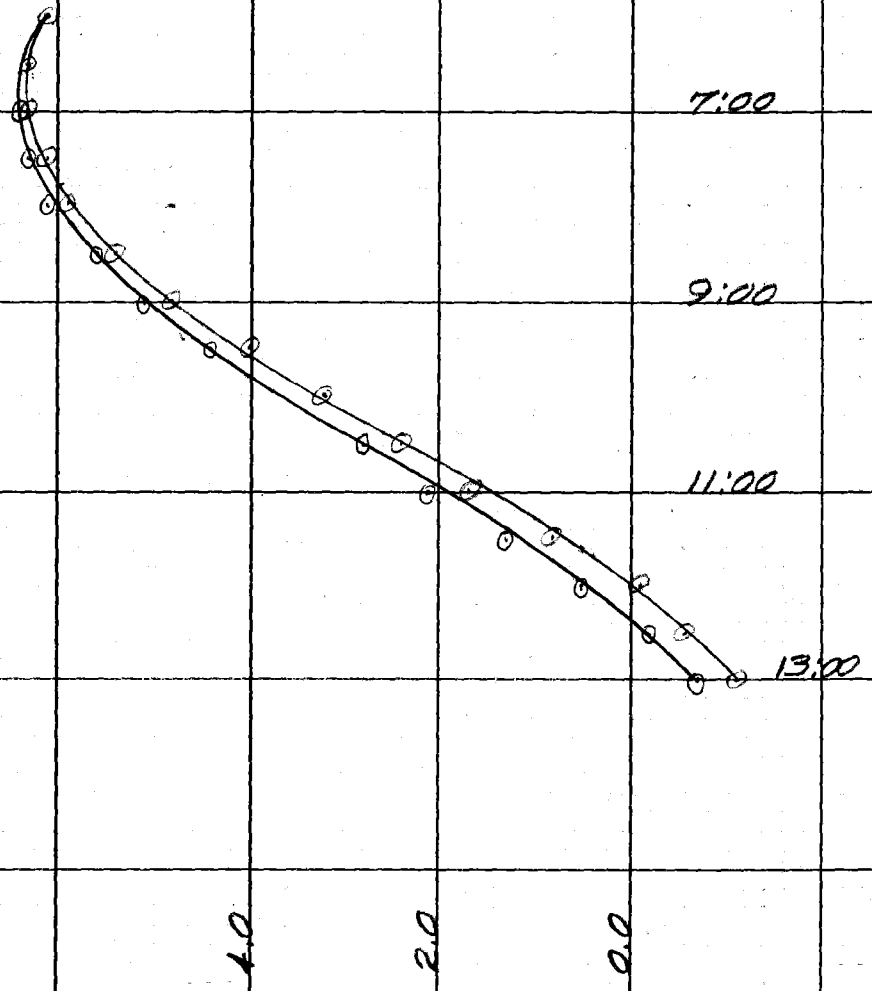
— TIDE GAUGE READINGS —
FEB. 3, 1966
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
6:00 A.M.	6.1
6:30	6.3
7:00	6.3
7:30	6.1
8:00	5.9
8:30	5.4
9:00	4.8
9:30	4.0
10:00	3.2
10:30	2.4
11:00	1.7
11:30	0.8
12:00	-0.1
12:30	-0.6
1:00	-1.1

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

Notes: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink, With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE#310 1-65

F. B. 2800 PG 302



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.

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0000.02 Tape Std. °F
Office Work	Surveyed by W.A. RICHARDS
Checked	Notes U/HARRIET Date 2-9-66
Date	Indexed

F. B. 2800 PG. 303

— TIDE GAUGE READINGS —
FEB. 9, 1966
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

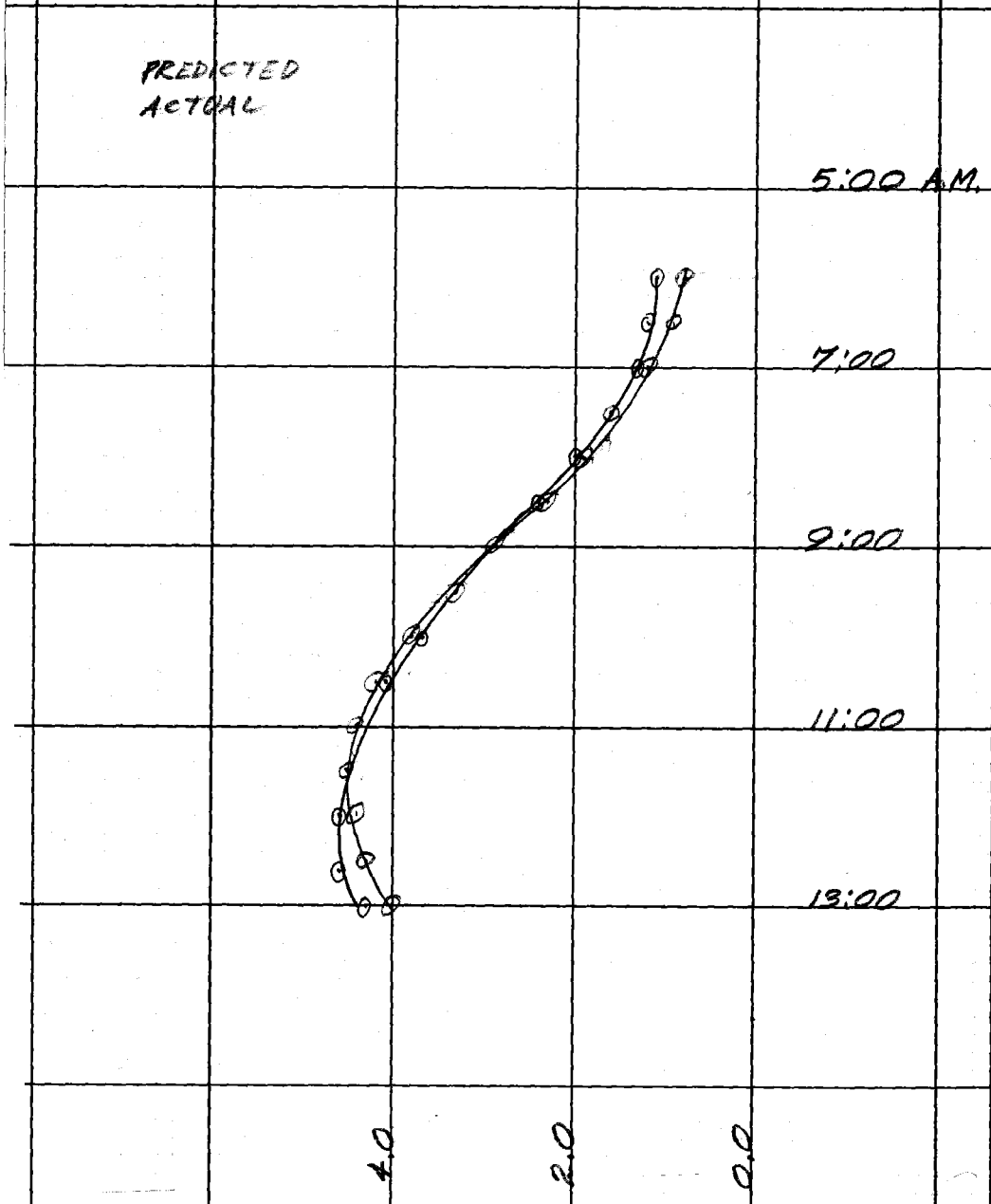
TIME	TIDE
6:00 A.M.	0.8
6:30	0.9
7:00	1.2
7:30	1.6
8:00	1.9
8:30	2.3
9:00	2.9
9:30	3.3
10:00	3.8
10:30	4.2
11:00	4.4
11:30	4.5
12:00	4.4
12:30	4.3
1:00	4.0

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

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink, With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
78F3098 CE#310 1-65

F. B. 2800 PG. 304

PREDICTED
ACTUAL



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

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

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY
Map No.	JN 0300.02 Tape Std. °F
Office Work	Surveyed by W.A. RICHARDS
Checked	Notes UHARRIET Date 2-10-66
Date	Indexed C. J. GALLI

F. B 2800 PG. 305

TIDE GAUGE READINGS

FEB. 10, 1966

DATUM = M.L.L.W.

GAUGE TIME = P.S.T.

TIME	TIDE
6:00 A.M.	1.2
6:30	1.1
7:00	1.1
7:30	1.2
8:00	1.3
8:30	1.4
9:00	1.8
9:30	2.1
10:00	2.6
10:30	3.0
11:00	3.1
11:30	3.5
12:00	3.6
12:30	3.7
1:00	3.7

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

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

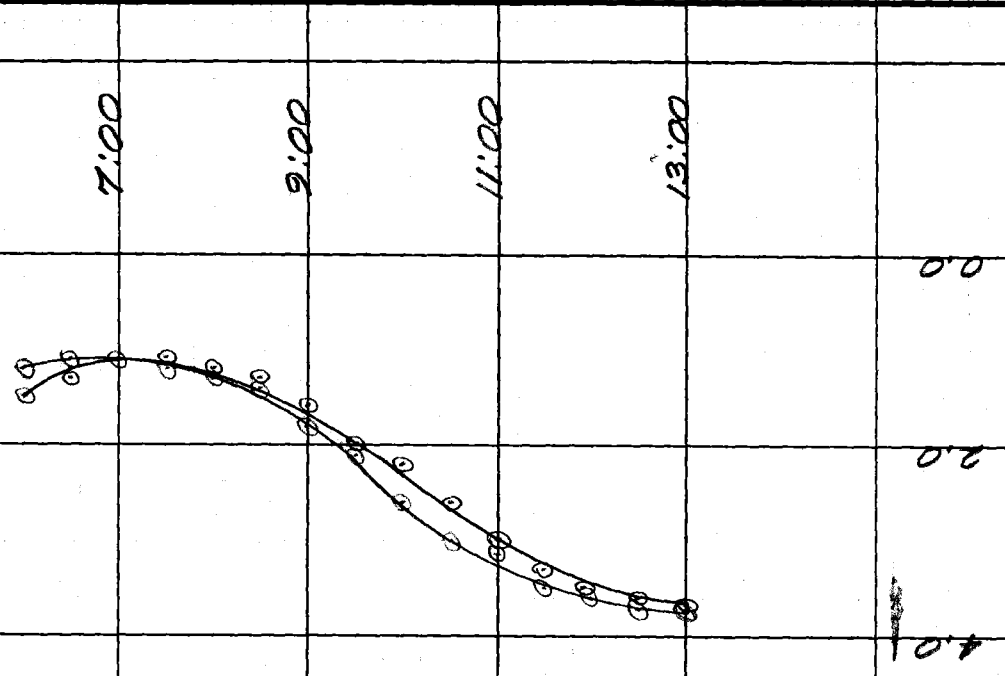
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F309S CE#310 1-65

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

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

Do not extend this side of this line.



F. B. 2800 Pg. 306

Notes Ck'd by	Survey of HYDROGRAPHIC SURVEY F. B. 2900 PG. 307
Map No.	JN 0300.02 Tape Std. °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes UNMARKED Date 2-11-66
Date	Indexed

TIDE GAUGE READINGS
FEB. 11, 1966
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
6:00 A.M.	1.8
6:30	1.4
7:00	1.2
7:30	1.0
8:00	0.8
8:30	0.8
9:00	0.8
9:30	0.9
10:00	1.1
10:30	1.3
11:00	1.5
11:30	1.7
12:00	2.0
12:30	2.2
1:00	2.4

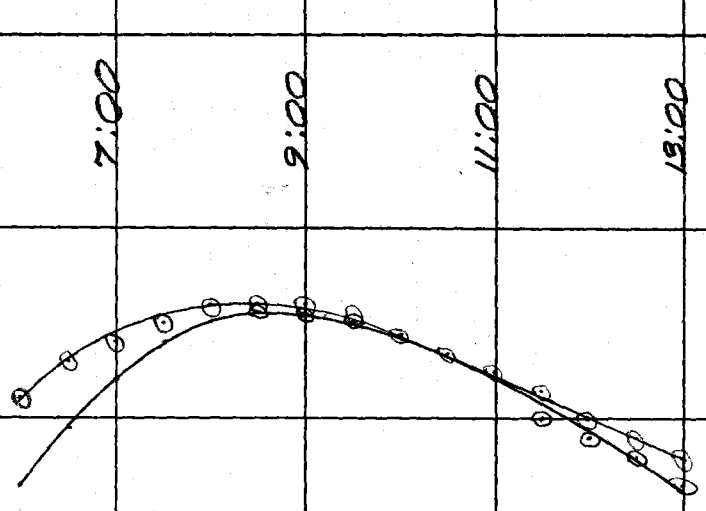
NOTE — TIDE STATION IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE#310 1-65

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

Note: Any Additions 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. 2800 Pg. 308

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

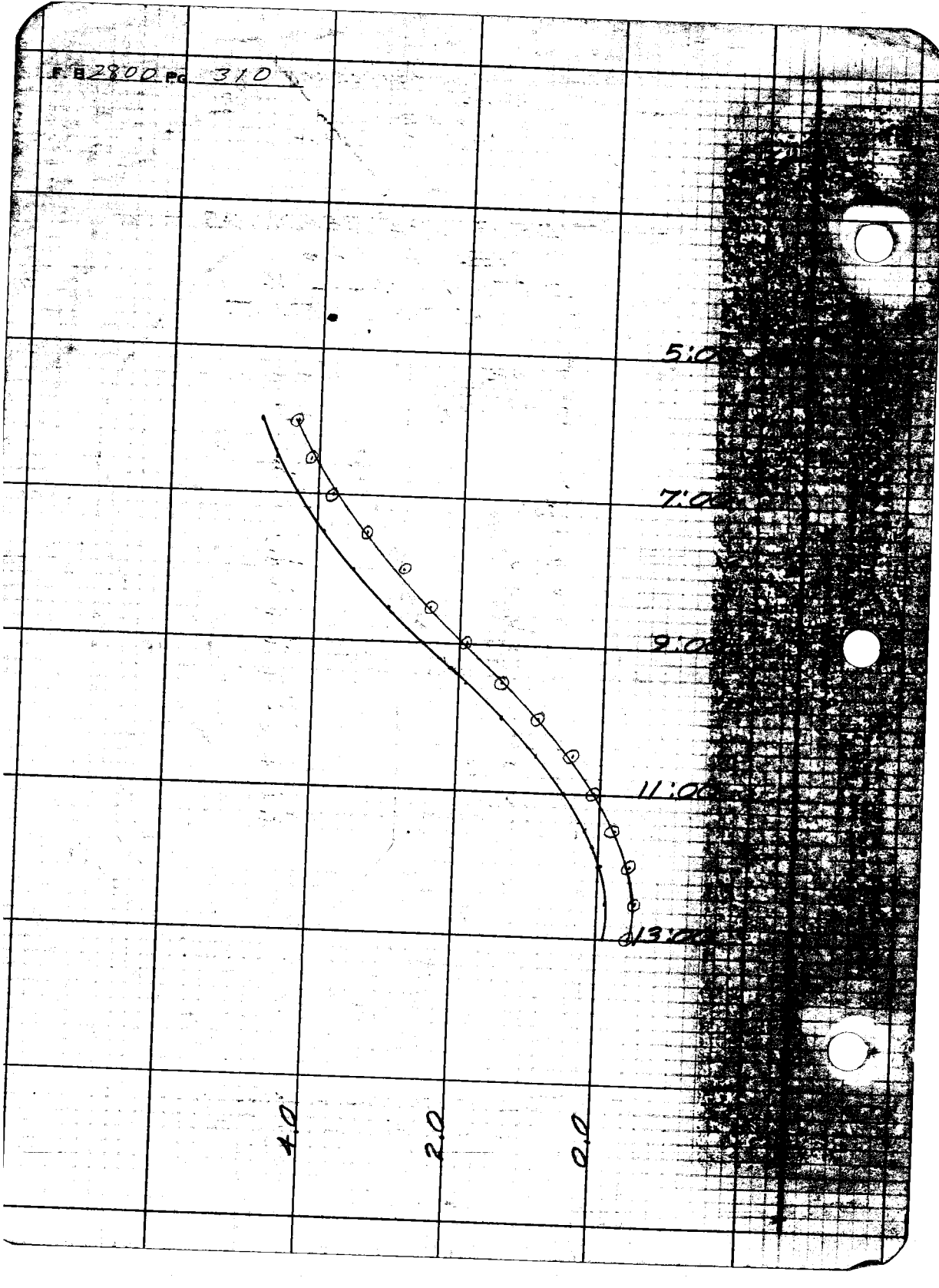
Survey of HYDROGRAPHIC SURVEY
JN 0300.02 Tape Std. °F
Surveyed by W.A. RICHARDS
Notes HARRIET Date 2-14-66
Indexed C. J. GALLI

F. B. 2800 PG. 309

TIDE GAUGE READINGS
FEB. 14, 1966
DATUM = M.L.L.W.
GAUGE TIME = P.S.T.

TIME	TIDE
6:00 A.M.	4.3
6:30	4.1
7:00	3.8
7:30	3.3
8:00	2.8
8:30	2.4
9:00	1.9
9:30	1.4
10:00	0.9
10:30	0.4
11:00	0.1
11:30	-0.2
12:00	-0.4
12:30	-0.5
1:00	-0.4

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

Note: Any Additions or Changes on this Sheet Must be Made or Checked in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
405 Los Angeles County Engineering Bldg.
78F3095 CE#319 1-65

F.B. 2800 Pg. 310