Ed'd by

Survey of Hydro. Survey
JN 0300.02 Tape Std F
Surveyed by English
Notes Ed. 1 Date 12-16-63
Indexed R. J. GALLI DEC 23 '63

F. B. 2814 PG. 3

SHORELINE
HYDROGRAPHIC
SURVEY

MARINA DEL REY
AREA

J.N. 0300.02

CON'T. FROM
F.B. 2813-254

FROM: 164+00-N
TO: 210+00-N

Dec. 16, 1963
English
Shoemaker
Faulger
Tallison
Masuda
Robbins
Stich

[redacted] modified March 85
Bowers
Morrison
Gilfoy
Duerbeck

F. B. 2814 PG. 4

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
605 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.

76L298 307 Cdb 12-62

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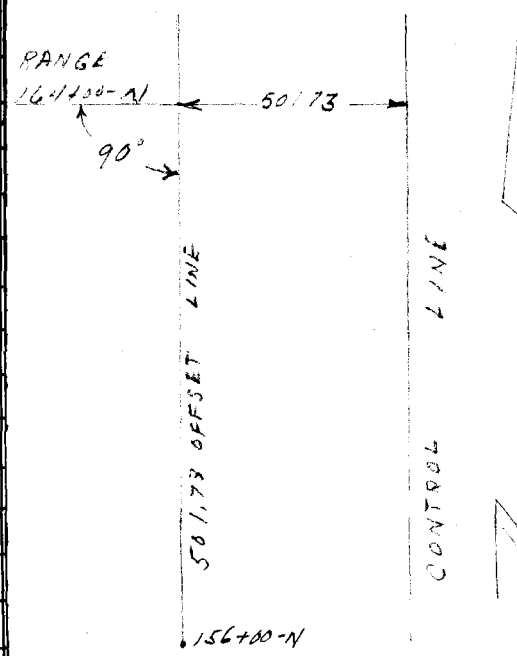
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
164+00-N	156+00-N	7:57	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1640217
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1640218
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					

Cont. From F.B. 2813-254



RANGE 164+00-N

Profile Notes Red. ____ Plotted ____ Job No. 03202 Division No. 11 F. B. 2814 Pg. 5

No. ____ Date ____ Date ____ Survey of SHAFLINE HYDRA SURVEY MOHINA DEL REY AREA

X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGELSH Notes STICH Date 12/18/63

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

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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 Deg.	Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
164+00-N	156+00-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
		8:02	29					

F. B. 2804 Pg. 6 Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date Date No. X-Sec.

Survey by ENGLISH Notes STICH Notes Chkd. Checked

Indexed C. H. GALL Date Date Date No.

76L298 307 Cdb 12-62

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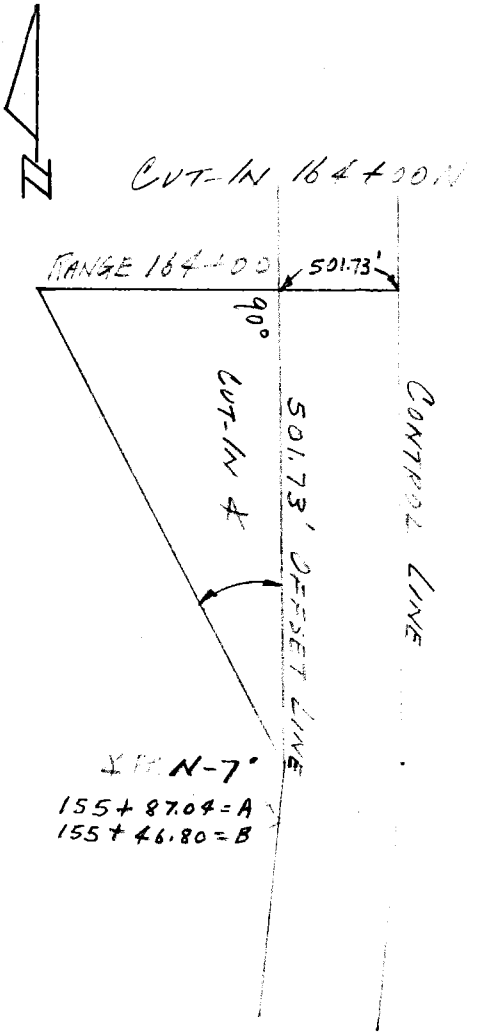
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 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'	164+00	[illegible]	1	[illegible]	[illegible]			
			2	66.	03.			
			3	[illegible]	[illegible]			1640206
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			1640207
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			1640208
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			1640209
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			1640210
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			1640211
			19	[illegible]	[illegible]			
			20	[illegible]	[illegible]			



Profile Notes Red. ____ Plotted ____ Job No. 2000-2 Division No. 11 F. B. 2819 Pg. 1

No. ____ Date ____ Date ____ Survey of MARGELINE HYDR. SYS. MARINA DEL REY AREA

X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes 1965-104 Date DEC 16

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

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

Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. 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					
N-7'	16+00		21	37.	[illegible]			1640212
			22	[illegible]	[illegible]			
			23	[illegible]	[illegible]			
			24	31.	[illegible]			1640213
			25	[illegible]	[illegible]			
			[illegible]	26.	46.			
			[illegible]	22.	[illegible]			1640214
			[illegible]	[illegible]	[illegible]			
		[illegible]	[illegible]	[illegible]	[illegible]			
				00.	00.			1640215
				00.	00.			
				00.	00.			
				00.	00.			1640216

F. B. 2814 Pg. 8 Profile

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

Survey of SHORELINE HYDROGRAPHIC & REV. AREA Date Date No. X-Sec.

Survey by ENGLISH Notes Chkd. Checked

Indexed 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.	164+00 West	INSHORE
TBM	2 13	15 28		13 15	TBM 164+00, 501.73 off, 2x10 hub. F.B.	
					R @ 160+00, Sight on 164+00	
#1			2 0	+13 3	7°00', West	5+00
#2			1 9	+13 4	14°03' "	"
#3			1 6	+13 7	21°46' "	"
#4			5 3	+10 0	25°00' "	"
TP			8 99	6 29		
	2 34	8 63				
#5			5 2	+ 3 4	29°53' "	[illegible]
#6			3 3	+ 0 3	35°28' "	
#7			1 1	- 2 8	42°30' "	
#8			12 0	- 3 4	48°53 "	
TP			2 33	6 30		
	11 33	17 63				
TBM			4 53	13 10	TBM 164+00 above	
	~~2 48~~	~~15 58~~				

Profile Notes Red ____ Plotted ____ Job No. [illegible] Division No. 11 F.B. 2844 Pg. 9
No. ____ Date ____ Date ____ Survey of Shoreline Hydro, Marina del Rey
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed R. J. GALL Date ____

76-L298 CE 307 3-61

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F.B. 2814 PG. 10

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

Survey of Shoreline Water, Marina del Rey Date ____ Date ____ No. ____ X-Sec. ____

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

Indexed ____ Date ____ E. D. CAMP Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	164+00 EAST		INSHORE
TBM	4 54	17 69		13 15	TBM 164+00, 501.73 off,		2x2 hub, FB.
					⊼ @ 172+00, Sight on		164+00
#1			4 8	12 9	3° 48'	EAST	SAND
#2			5 0	12 7	7° 55'	"	"
#3			5 8	11 9	11° 26'	"	"
#4			5 7	12 0	14° 19'	"	"
#5			4 7	13 0	18° 00'	"	"
#6			4 2	13 5	19° 56'	"	"
#7			3 3	14 4	23° 25'	"	"
#8			3 0	14 7	27° 05'	"	"
#9			3 3	14 4	29° 32'	"	Sand @ Wall
TBM			4 54	13 15	TBM 164+00 above		

76L298 307 Cdb 12-62

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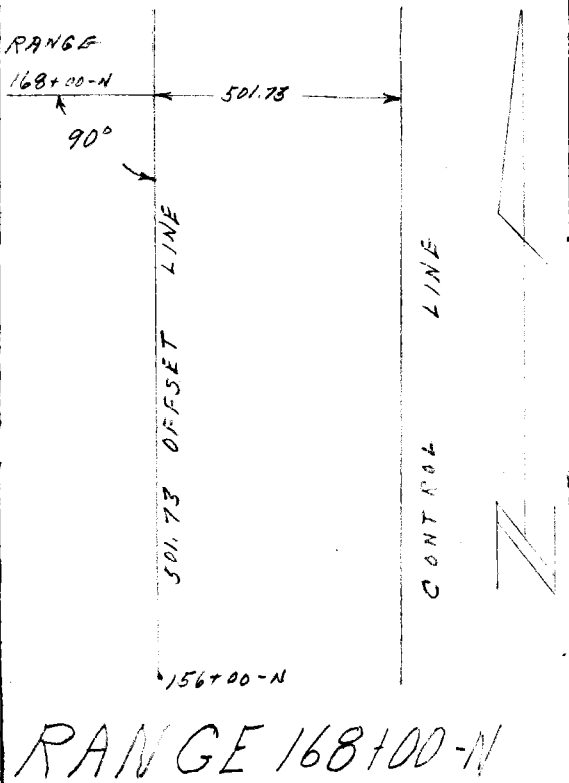
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
168+00-N	156+00-N	R:1B	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1680216
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1680217
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2814 Pg. 11

No. Date Date Survey of SHORELINE HYDRA SURVEY PORTINA DEL REY AREA

X-Sec. Notes Chkd. Checked Survey by ENGLISH Notes STICH Date 12/16/63

No. Date Date Map No. Indexed Date

F. B. 2814 PG. 12 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date Date No.

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

Indexed Date Date Date No.

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
16PM10-N	15GT10-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
		822	27					

76L298 307 Cdb 12-62

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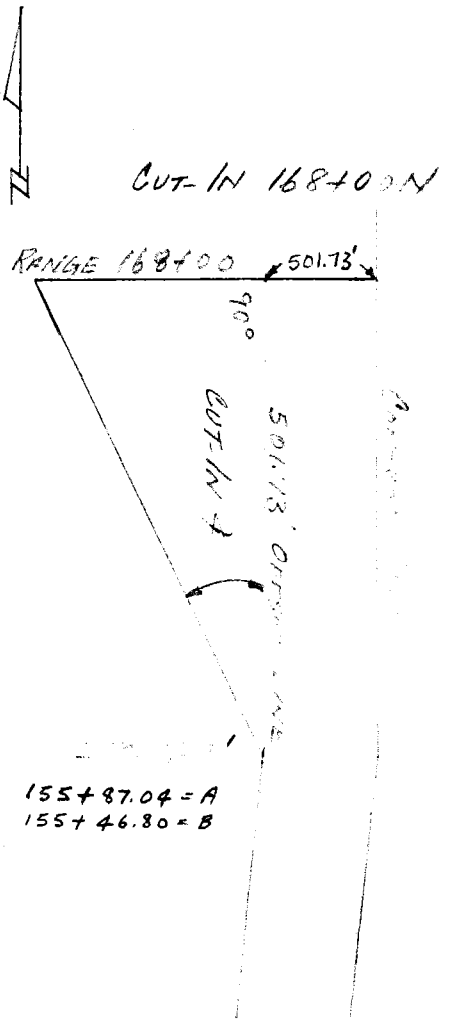
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
[illegible]	165+00	[illegible]	1	[illegible]	[illegible]			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			1680206
			4	[illegible]	[illegible]			
			5	[illegible]	[illegible]			
			6	[illegible]	[illegible]			1680207
			7	[illegible]	[illegible]			
			8	[illegible]	[illegible]			
			9	[illegible]	[illegible]			1680208
			10	[illegible]	[illegible]			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			1680209
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	[illegible]	[illegible]			1680210
			16	[illegible]	[illegible]			
			17	[illegible]	[illegible]			
			18	[illegible]	[illegible]			1680211
			19	[illegible]	[illegible]			
			20	[illegible]	[illegible]			



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of

X-Sec. Notes Chkd. Checked Survey by Notes

No. Date Date Map No. Indexed Date

F. B. 2874 Pg. 13

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					
N-7'	168+00		21	21.	33.			1680212
			22	12.	34.			
			23	18.	37.			
			24	18.	57.			1680213
			25	.	.			
			26	.	.			
		5:22		.	.			1680214
				00.	00.			
				00.	00.			
				00.	00.			1680215

F. B. 2814 Pg. 14

Job No. 0304.02 Division No. 11 Notes Red. Plotted

Survey of SHORELINE HYDRO. SUR. + MARINA DEL REY AREA Date Date No.

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

Indexed C. J. GALLI Date Date Date No.

Profile

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.	168+00 West	Westbore
TBM	3 82	16 76		12 94	TBM 168+00, 30.73 off, 2X2 FW, FE	
					⊼ @ 164+00, Sight on 168+00	
#1			3 1	+ 13 4	6°00' West	Sand
#2			3 0	+ 13 8	12°33' "	"
#3			3 3	+ 13 5	19°39' "	"
#4			7 1	+ 9 7	22°52' "	"
TK			16 27	6 49		
	2 48	8 97				
#5			4 6	+ 4 4	29°49' "	Wat
#6			7 5	+ 1 5	34°16' "	"
#7			10 5	− 1 5	41°07' "	"
#8			12 4	− 2 4	45°49' "	"
#9			12 8	− 3 8	50°55' "	"
TK			2 48	6 49		
	9 82	16 31				
TBM			3 31	13 00	TBM 168+00 2 Low	

Profile Notes Red ____ Plotted ____ Job No. 2 Division No. 11 F.B. 2814 Pg. 15
No. ____ Date ____ Date ____ Survey of Sheet line Hydro, Alternate 2
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes PCD Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ 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.

F. B. 2814 PG. 16 Job No. 6330.02 Division No. 11 Notes Red ___ Plotted ___ Profile
Survey of Shoreline Lighting Marina del Rey Date ___ Date ___ No. ___ X-Sec.
Survey by Bowers Notes RCB Notes Chkd. ___ Checked ___
Indexed C. J. GALLI Date ___ Date ___ No. ___

STATION	B. S.	H. I.	F. S.	ELEV.	168+00 EAST	INSHORE
TBM	5^{66}	18^{60}		12^{94}	TBM 168+00, 501.73 off, 2.X2.4N, FB	
					A @ 172+00, Sight on 168+00	
~~#1~~			~~5 6~~		~~6° 41'~~ East	Sand
#1			5^{4}	13^{2}	6 41' "	"
#2			5^{4}	13^{2}	13 09 "	"
#3			6^{0}	12^{6}	19°20' "	"
#4			6^{5}	12^{1}	27°08' "	"
#5			5^{5}	13^{1}	33°09' "	"
#6			5^{0}	13^{6}	38°00' "	"
#7			3^{6}	15^{0}	41°53' "	"
#8			1^{7}	16^{9}	45°15' "	"
#9			3^{7}	14^{9}	49°08' "	"
#10			3^{0}	15^{6}	51°52' "	"
#11			1^{6}	17^{0}	53°54' "	"
#12			1^{0}	17^{6}	54°58' "	"
TBM			5^{66}	12^{94}	TBM 168+00 above	

Edge of Const. Area
Subject to Change

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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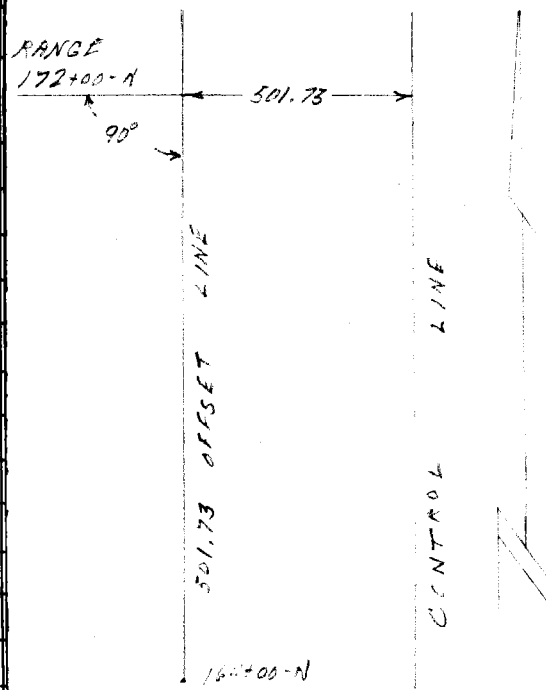
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	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					
172+00-N	164+00-N	8:33	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1720215
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1720216
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 172+00-N

Profile No.____ Notes Red.____ Plotted____ Job No. 0300-02 Division No. 11 F. B. 2814 Pg. 17

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA

Survey by ENGELISH Notes STICK Date 12/16/63

Map No.____ Indexed R. J. GALL Date____

F. B. 2814 Pg. 18 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

G. J. GALLI

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.	Range Line Min.	Card No.
1772400-N	1641400-N							
		8:37	21	90				
			22		00			

76L298 307 Cdb 12-62

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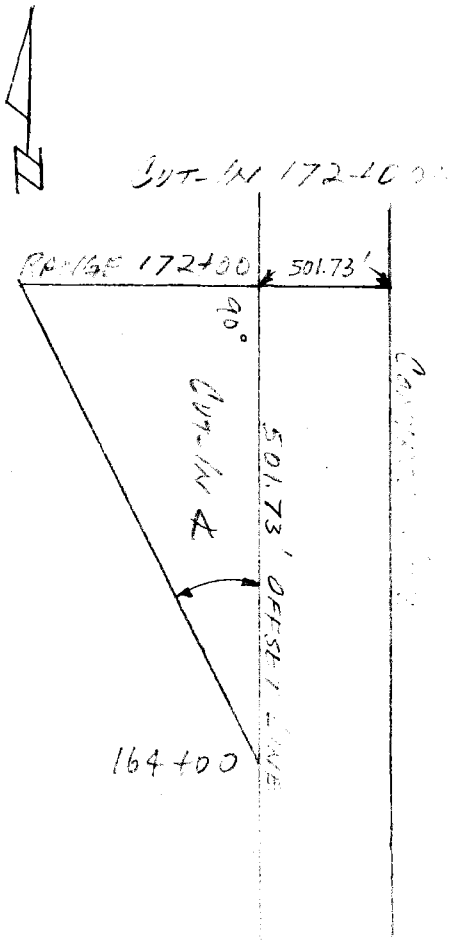
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
164+00	172+00	[illegible]	1	[illegible]	34.			
			2	[illegible]	[illegible]			
			3	[illegible]	[illegible]			1720206
			4	[illegible]	[illegible]			
			5	[illegible]	53.			
			6	55.	16.			1720207
			7	54.	11.			
			8	53.	05.			
			9	51.	37.			1720208
			10	[illegible]	35.			
			11	[illegible]	[illegible]			
			12	[illegible]	[illegible]			1720209
			13	[illegible]	[illegible]			
			14	[illegible]	[illegible]			
			15	40.	20.			1720210
			16	37.	52.			
			17	35.	24.			
			18	[illegible]	42.			1720211
			19	31.	06.			
			20	[illegible]	[illegible]			



Profile Notes Red. Plotted Job No. 0300 02 Division No. 11 F. B. 2814 Pg. 19

No. Date Date Survey of SHORELINE HWY. SUR. MARINA DEL REY HSE A

X-Sec. Notes Chkd. Checked Survey by ENG. 1514 Notes MASUDA Date Dec. 14, 1973

No. Date Date Map No. Indexed R. 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.

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					
164+00	172+00		21	27.	12.			1720212
		8:37	22	34.	23.			
				00.	00.			
				00.	00.			1720213
				00.	00.			
				00.	00.			
				00.	00.			1720214

F. B. 2814 Pg. 20

Survey of UNDERLINE HYDR. SUR., MARINA DEL REY AREA Job No. 03.00.02 Division No. 11 Notes Red. Plotted Profile

Survey by ENGLISH Notes MASUDA Date Notes Chkd. Date Checked Date No. X-Sec. 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 IKK, 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.	172+00 West	1W Shore
TBM				12 92	TBM 172+00, 501.73 off, 2X2 4N, F.B.	
	3 43	16 40			TO @ 168+00, Sight on 172+00	
#1			3'	+13 3'	7°15' West	Shore
#2			3 2	+13 2'	13°22'	"
#3			3 3	+13 1'	18°49'	"
#4			6 5	+99'	21°28'	"
TP			9 5	6 65		
	2 53	9 18				
#5			6'	+31'	27°11'	water
#6			8 8	+04'	30°56'	"
#7			8 8	+04'	35°58'	"
#8			10 0	-08'	40°37'	"
#9			13 0	-38'	48°06'	"
#10			16 5	-73'	52°54'	"
TP			2 54	6 64		
	8 97	15 61				
TBM			2 71	12 90	TBM 172+00 above	

Profile Notes Red ____ Plotted ____ Job No. 0000-0 Division No. 11 F.B. 2814 Pg. 21
No. ____ Date ____ Date ____ Survey of Shoreline Hydro, Marina del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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.

F.B. 2814 Pg. 22

Survey of State line Hydro Marina del Rey
Survey by Bowers
Indexed B. J. GALLI

Job No. 200.02 Division No. 11
Notes Red Date
Notes Chkd. Date
Notes Checked Date

Profile No.
X-Sec. No.
Plotted Date

STATION	B.S.	H.I.	F.S.	ELEV.	172+00	INSHORE
TBM	5.68	18.60		12.92	TBM 172+00 56.73 offset 222 Rt. 222 Rt. 9, Sight on	172+00
#1			5.8	12.8	2°54' East	"
#2			5.4	13.2	5°36' "	"
#3			5.4	13.2	8°22' "	"
#4			5.6	13.0	11°00' "	"
#5			5.6	13.0	13°08' "	"
#6			4.8	13.8	15°42' "	"
#7			5.2	13.4	18°02' "	"
#8			5.2	13.4	20°28' "	"
#9			3.6	15.0	22°57' "	"
#10			1.8	16.8	23°08' "	"
TBM			5.68	12.92	TBM 172+00 above	

76L298 307 Cdb 12-62

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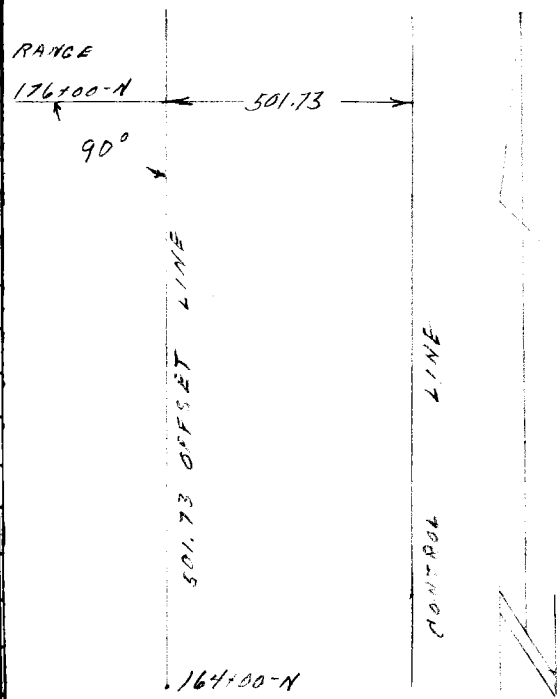
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
176+00-N	164+00-N	8:50	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1760216
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1760217
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 176+00-N

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2814 Pg. 23
No. Date Date Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA
X-Sec. Notes Chkd. Checked Survey by ENGLISH Notes STICH Date 12/16/63
No. Date Date Map No. Indexed E. J. Gallo Date

F. B. 2814 Pg. 24 | Job No. 0300.02 Division No. 11 Notes Red. ____ Plotted ____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date ____ Date ____ No. ____

Survey by ENG. & SURV. Notes STICH Notes Chkd. ____ Checked ____ X-Sec.

Indexed ____ Date ____ Date ____ Date ____ No. ____

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
1764+00-N	1644+00-N		21	90	00			
			22					
			23					
			24					
			25					
		8:54	26					

Do not extend notes this side of this line.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 12-62

76L298 307 Cdb 12-62

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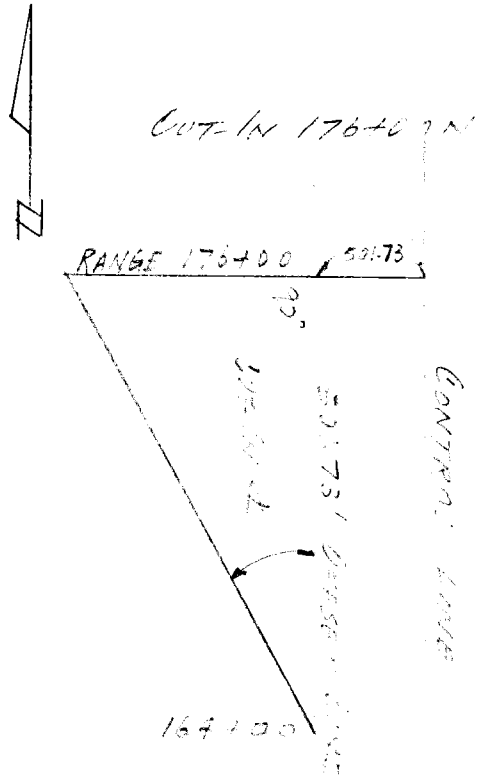
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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. 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					
164100	176400	11:50	1	48.	26.			
			2	47.	02.			
			3	45.	57.			1760206
			4	44.	17.			
			5	43.	12.			
			6	41.	37.			1760207
			7	40.	29.			
			8	38.	51.			
			9	37.	52.			1760208
			10	36.	20.			
			11	34.	12.			
			12	33.	32.			1760209
			13	32.	10.			
			14	30.	23.			
			15	29.	12.			1760210
			16	27.	08.			
			17	25.	32.			
			18	23.	37.			1760211
			19	22.	47.			
			20	21.	47.			



Profile Notes Red. Plotted Job No. 2309.3 Division No. 11 F. B. 2814 Pg. 23

No. Date Date Survey of SHORELINE HYDR. SUR. MARINA DEL REY AREA

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

No. Date Date Map No. Indexed 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					
164+00	176+00		21	20.	26.			1760212
			22	19.	32.			
			23	18.	00.			
			24	16.	47.			1760213
			25	15.	42.			
		8:54	26	14.	27.			
				00.	00.			1760214
				00.	00.			
				00.	00.			
				00.	00.			1760215

F. B. 2814 Pg. 26 | Job No 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of SHORELINE HYDR. SUR. MARINA DEL REY AREA Date Date No. X-Sec.

Survey by ENGLISH Notes MASLIA Notes Chkd. Checked

Indexed 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.	176+00 West	Inspire
TBM	1 83	15 03		13 20	TBM 176+00, 50'±, 2x2 hub, f3	
					BC 172+00, Sight on 176+00	
#1			2 0	+13 0	5°22' West	
#2			2 1	+12 9	13°37' "	
#3			2 4	+12 6	19°18' "	
#4			6 6	+ 8 4	22°39' "	
T.P			9 34	5 69		
	3 02	8 71				
#5			6 4	+ 2 3	29°20'	Water
#6			7 2	+ 1 5	34°08'	
#7			9 0	− 0 3	39°57'	
#8			11 9	− 3 2	46°30'	
TP			3 01	5 70		
	9 10	14 80				
TBM			1 55	13 25	TBM 176+00 above	

Profile No. ____ X-Sec. No. ____ Notes Red ____ Date ____ Notes Chkd. ____ Date ____ Plotted ____ Date ____ Checked ____ Date ____ Job No. 2200.02 Division No. 11 Survey of Shortline Hydro Alpine Survey by [illegible] Notes ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2814 PG. 27

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.	176+00 BASE	INSHORE
T.B.M.	5 [illegible]	18 [illegible]		13 20	TBM, [illegible], 5012 [illegible]	[illegible]
					[illegible], [illegible] 1760 SAND	
#1			5 4	13 2	2° 54' EAST	"
#2			[illegible] 4	12 2	8° [illegible] "	"
#3			[illegible]	12 6	12° 36' "	"
#4			6 [illegible]	12 6	16° 28' "	"
#5			6 [illegible]	12 6	20° 23' "	
#6			5 7	12 7	24° 04' "	
#7			6 1	12 5	27° 25' "	
#8			5 5	13 1	30° 36' "	
#9			[illegible] 1	15 9	32° 58' "	
#10			2 3	16 3	34° 35 "	
TBM			5 36	13 20	TBM 176+00 above	

F.B. 2814 PG. 28

Survey of Shoreline Hydro Survey of Bay
Survey by Boats
Indexed E. J. G.
Job No. 03002 Division No. 11
Notes Red Date Plotted Date
Notes Chkd. Date Checked Date
Notes Profile No. X-Sec. No.

76L298 307 Cdb 12-62

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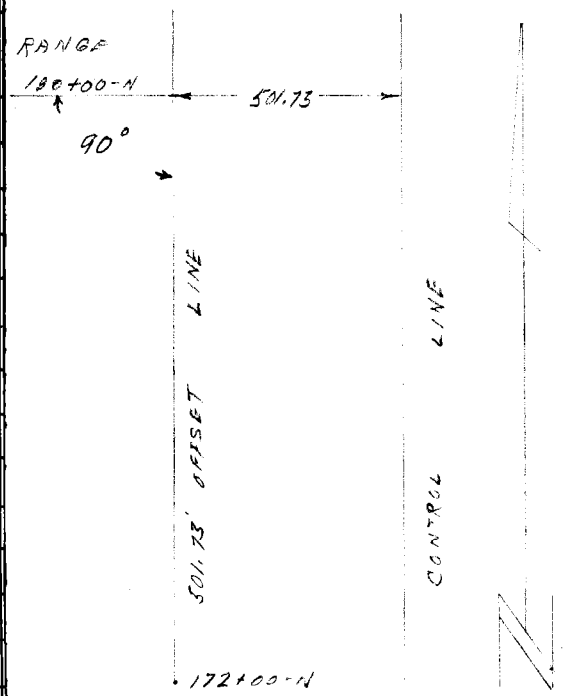
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
180+00-N	172+00-N	9:07	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1800216
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1800217
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 180+00-N

Profile Notes Red.____ Plotted____ Job No. 8200-12 Division No. 11 F. B. 2814 Pg. 29

No.____ Date____ Date____ Survey of SAGELINE FROM SURVEY AROUND DIX REV. BRCD.

X-Sec. Notes Chkd.____ Checked____ Survey by ENGLISH Notes STACY Date 12/14/63

No.____ Date____ Date____ Map No.____ Indexed J. GAIN Date____

F. B. 2814 Pg. 30 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

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

C. J. GALLI

Indexed _____ Date _____ Date _____ Date _____ No. _____

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
180+00-N	172+45-N		21	90	00			
			22					
			23					
			24					
			25					
		9:11	26					

76L298 307 Cdb 12-62

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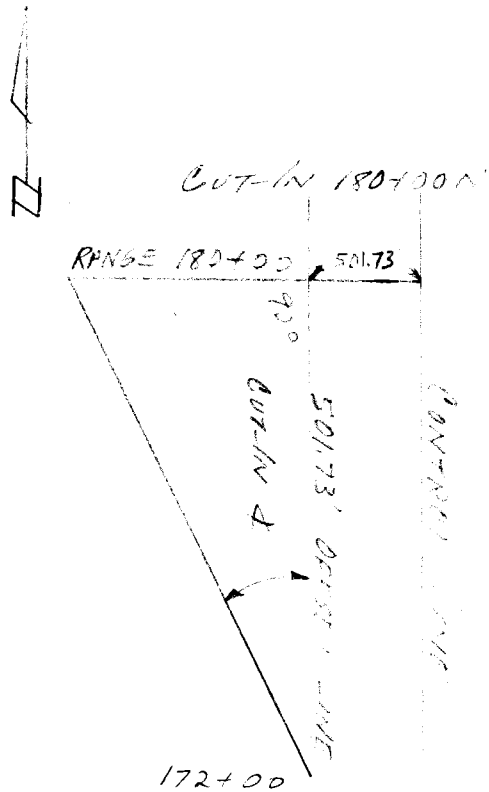
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
172+00	180+00	9:07	1	58.	45.			
			2	57.	57.			
			3	57.	15.			1800206
			4	56.	15.			
			5	55.	06.			
			6	54.	06.			1800207
			7	53.	15.			
			8	51.	54.			
			9	50.	35.			1800208
			10	49.	19.			
			11	48.	03.			
			12	46.	29.			1800209
			13	45.	03.			
			14	43.	35.			
			15	42.	06.			1800210
			16	40.	33.			
			17	38.	54.			
			18	37.	06.			1800211
			19	35.	23.			
			20	33.	36.			



Profile Notes Red. Plotted Job No. Division No. 11 F. B. 2814 PG. 31

No. Date Date Survey of Hydr. Sup. Hydr. Rel. Nex Area

X-Sec. Notes Chkd. Checked Survey by Notes Date Dec. 16, 1953

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

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F. B. 2814 Pg. 32 Job No 2300.02 Division No. 11 Notes Red. Plotted. Profile

Survey of SHORELINE HYDR. SUR. MARINA DEL REY Date. No. X-Sec.

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked. Date. No.

Indexed. S. J. GRIM 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					
172+00	180+00		21	31.	37.			1800212
			22	29.	46.			
			23	27.	50.			
			24	25.	05.			1800213
			25	23.	21.			
		9:11	26	21.	25.			
				00.	00.			1800214
				00.	00.			
				00.	00.			
				00.	00.			1800215

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.	180+00 West	1/DS Horiz
TBM	1 90	14 84		12 94	TBM 180+00, Sov. 73 off, 2x2 stk, FE	
					⊼ @ 176+00, Sight on 180+00	
#1			3 1	+ 11 7	6°30' West	Sand
#2			2 2	+ 12 6	13°09' "	"
#3			2 5	+ 12 3	21°38' "	"
#4			6 6	+ 8 2	25°02' "	"
T.P.			9 62	5 22		
	2 90	8 12				
#5			5 3	+ 2 8	30°06' "	Water
#6			6 1	+ 2 0	34°57' "	"
#7			8 6	- 0 5	43°16' "	"
#8			11 0	- 2 9	49°54 "	"
T.P.			2 90	5 22		
	9 66	14 88				
TBM			2 02	12 86	TBM 180+00 above	

Profile Notes Red ____ Plotted ____ Job No. [illegible] Division No. 11
No. ____ Date ____ Date ____ Survey of Shoreline Hydro, Marina del Rey
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

F.B. 2814 PG. 33

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. 2814 Pg. 34

Survey of Shoreline Riverside Marina to Bay
Survey by Bowles
Indexed E. J. GATH

Job No. 3002 Division No. 11
Notes Cutlay

Profile No.
X-Sec. No.
Plotted Date
Notes Red Date
Notes Chkd. Date
Checked Date

STATION	B. S.	H. I.	F. S.	ELEV.	180+00 EAST	INSHORE
	4.42	17.36		12.94	TBM. 180+00 501.73	OFFSET 2MN FB.
					X @ 119, Sight on	180+00
						SAND
#1			4.6	12.8	5° 52' EAST	"
#2			5.2	12.2	13° 05' "	"
#3			4.8	12.6	21° 26' "	"
#4			5.0	12.4	28° 08' "	"
#5			5.6	11.8	34° 44' "	"
#6			5.0	12.4	40° 24' "	"
#7			5.3	12.1	45° 26 "	"
#8			4.2	13.2	51° 16' "	"
#9			1.3	16.1	55° 12' "	"
TBM			4.42	12.94	TBM 180+00 above	

76L298 307 Cdb 12-62

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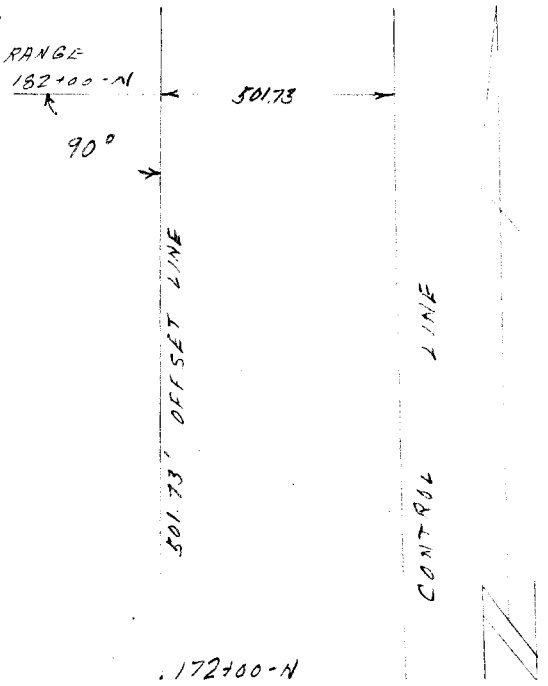
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	MIN.	
182+00-N	172+00-N	9:24	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1820215
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1820216
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 182+00-N

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 3U.12 Division No. 11 F. B. 2814 Pg. 35

X-Sec. No. ____ Date ____ Date ____ Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by EWG/LSM Notes STICK Date 12/16/63

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

F. B. 2818 Pg. 36 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

C. J. GAITT

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.	Range Line Min.	Card No.
182+00-N	172+00-N		21	90	00			
			22					
			23					
		9:28	24					

76L298 307 Cdb 12-62

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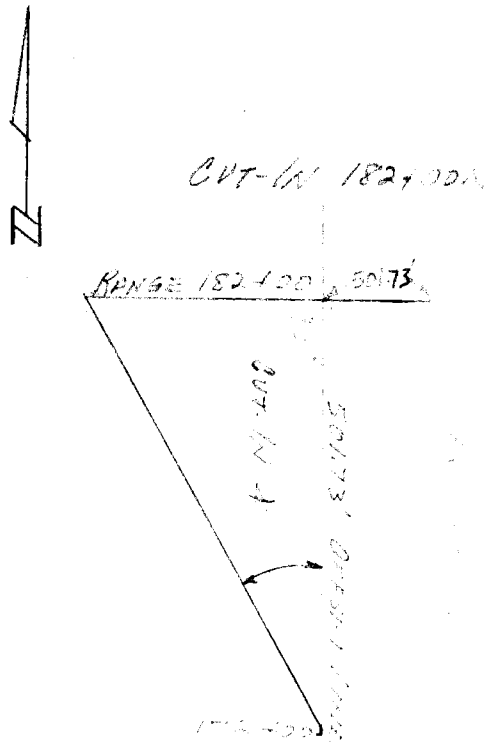
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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					
172+00	182+00	9:24	1	54.	42.			
			2	53.	50.			
			3	52.	42.			1820206
			4	51.	26.			
			5	50.	19.			
			6	48.	55.			1820207
			7	47.	28.			
			8	46.	06.			
			9	44.	16.			1820208
			10	42.	51.			
			11	41.	22.			
			12	39.	59.			1820209
			13	38.	33.			
			14	36.	45.			
			15	35.	25.			1820210
			16	33.	32.			
			17	32.	01.			
			18	30.	23.			1820211
			19	28.	31.			
			20	27.	04.			



Profile Notes Red. Plotted Job No. 0300.92 Division No. 11 F. B. 2814 PG. 37

No. Date Date Survey of MARINA DEL REY AREA

X-Sec. Notes Chkd. Checked Survey by Notes MAP 10R Date DEC. 16, 1913

No. Date Date Map No. Indexed R. J. GAU Date

F. B. 2814 Pg. 38 | Job No. P300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDR. SUR., MARINA DEL REY AREA Date _____ Date _____ No. _____

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

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

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
172+00	182+00		21	25.	17.			1820212
			22	23.	35.			
			23	22.	49.			
		1:25	24	21.	13.			1820213
				00.	00.			
				00.	00.			
				00.	00.			1820214

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.	182+00 West	INSHORE
TBM	0 49	13 64		13 15	TBM 182+00, 501.73 off, 2x2 ⊄ in, FB	
					⊼ @ 180+00, sight on 182+00	
#1			1 7	+ 11 9	12° 50' West	Sand
#2			1 4	+ 12 2	25° 48' "	
#3			0 8	+ 12 8	36° 28' "	"
#4			2 4	+ 11 2	43° 17' "	"
#5			6 6	+ 7 0	46° 28' "	"
T.P.			9 29	4 35		
	3 50	7 85				
#6			5 5	+ 2 4	52° 25' "	Water
#7			7 1	+ 0 8	63° 17' "	"
#8			10 3	− 2 5	68° 27' "	"
#9			12 1	− 4 3	71° 38' "	"
T.P.			3 50	4 35		
	9 40	13 75				
TBM			0 60	13 15	TBM 182+00 above	

Profile Notes Red ____ Plotted ____ Job No. C3222 Division No. 11 F.B. 2814 Pg. 39
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Shoreline Hydro, Marina del Rey
No. ____ Notes Chkd. ____ Checked ____ Survey by Powers Notes RKS Date 12/18/73
Date ____ Date ____ Map No. ____ Indexed R.J. Gatt Date ____

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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F.B. 2814 Pg. 40

Survey of Shoreline Hydro Marina del Rey
Survey by Bowers Notes Gilley
Indexed S. J. Grill Date

Job No. 0300.02 Division No. 11 Notes Red Date Notes Chkd. Date
Plotted Date Checked Date
Profile No. X-Sec. No.

STATION	B.S.	H.I.	F.S.	ELEV.	182+00 EAST	INSHORE
	4 02	17 17		12 15	T.B.M. 182+00 5'01.73 OFFSET 2X2 N.F.B.	
					T @ N-9, Sight on 182+00	
#1			4 7	12 5	30° 00'	
#2			4 5	12 7	36° 16'	
#3			4 7	12 5	46° 54'	
#4			4 3	12 9	54° 08'	
#5			3 7	13 5	59° 17'	
#6			4 1	13 1	63° 27'	
#7			4 6	12 6	66° 20'	
#8			3 6	13 6	68° 42'	
#9			2 3	14 9	71° 10'	
~~#10~~ TBM			4 02	13 15	TBM 182+00 above	

76L298 307 Cdb 12-62

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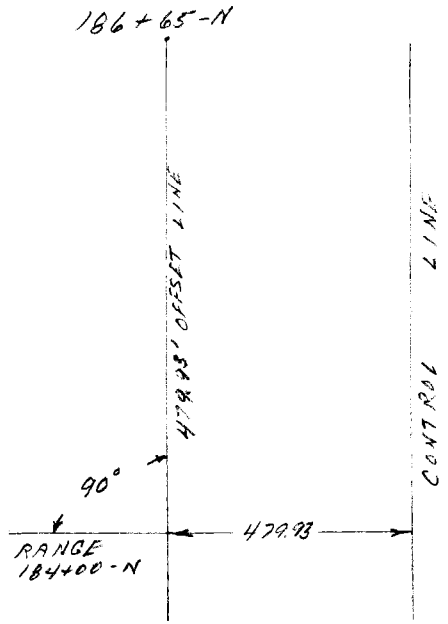
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
184+00-N	186+65-N	10:15	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1820206
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1820207
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 184+00-N

Profile Notes Red.____ Plotted____ Job No. 03 00.12 Division No. 11 F. B. 2814 Pg. 41

No.____ Date____ Date____ Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA

X-Sec. Notes Chkd.____ Checked____ Survey by EAGLISH Notes STICH Date 12/16/43

No.____ Date____ Date____ Map No.____ Indexed____ Date____

F. B. 2814 Pg. 42 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

Survey by ENGLISH C. J. GALLI Notes STICH Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
1B4400-A	1B4465-N							
		10:19	22					
			21	90	00			

Do not extend notes this side of this line.

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726 Los Angeles County Engineering Bldg.

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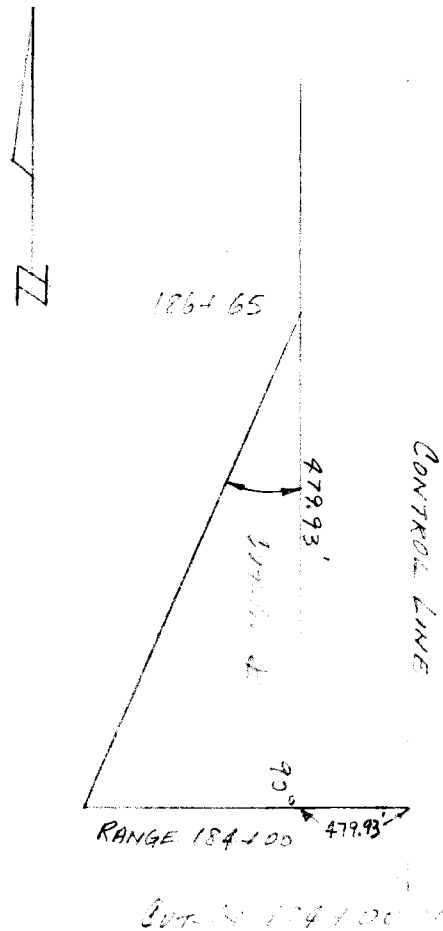
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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					
186+65	184+00	[illegible]	1	[illegible]	51.			
			2	78.	15.			
			3	77.	43.			1820208
			4	76.	55.			
			5	75.	52.			
			6	75.	12.			1820209
			7	74.	14.			
			8	73.	45.			
			9	72.	35.			1820210
			10	71.	34.			
			11	70.	19.			
			12	69.	27.			1820211
			13	67.	54.			
			14	66.	16.			
			15	64.	32.			1820212
			16	63.	40.			
			17	62.	08.			
			18	61.	57.			1820213
			19	61.	01.			
			20	59.	38.			



Profile No.____ Date____ Notes Red____ Plotted____ Job No. 8302-12 Division No.____

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of [illegible] Survey by [illegible] Notes [illegible] Date Dec. 16, 1963

Map No.____ Indexed [illegible] J. GALLI Date____

F. B. 2814 PG. 43

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					
186+65	184+00		21	[illegible]	[illegible]			1820214
		10:19	22	[illegible]	[illegible]			
				00.	00.			
				00.	00.			1820215
				00.	00.			
				00.	00.			
				00.	00.			1820216

F. B. 2814 PG. 44

Profile

Survey of SHORELINE HYDR. SUR. MARINA DEL REY AREA Date ____ Plotted ____ Notes Red. ____ Division No. 11 Job No. 2300.02 No. ____

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

Indexed ____ 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.	184+00, West	INSTRUC
TBM	1 70	13 74		2 04	TBM 184+00, 479.930 ft, 292 ft, F.B.	
					↑ @ 183+60, sight on 184+00	
#1			2 0	+ 11 7	50°23' West	Sand
#2			2 3	+ 11 4	67°39' "	"
#3			2 0	+ 11 7	74°30' "	"
#4			2 8	+ 10 9	79°15' "	"
#5			6 5	+ 7 2	81°11' "	"
T.P.			9 03	4 71		
	2 75	7 46				
#6			5 1	+ 2 4	83°42' "	Wate
#7			7 2	+ 0 3	88°14' "	"
#8			10 1	− 2 6	88°28' "	"
#9			12 5	− 5 0	88°33' (Swimmer so. of line) "	"
#10			17 5	− 10 0	88°47' "	
T.P.			2 76	4 70		
	8 79	13 49				
TBM			1 50	11 99	TBM 184+00 above	

Profile Notes Red ____ Plotted ____ Job No. 83002 Division No. 11
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Shoreline Hydro, Marina del Rey
No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date 12/16/63
Date ____ Date ____ Map No. ____ Indexed R. J. GALL Date ____

F.B. 2814 Pg. 45

76-L298 CE 307 3-61

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F.B. 2814 Pg. 46

Survey of Shoreline Hydro, Marina del Rey
Survey by Bowers Notes Gilley
Indexed C. J. GALLI Date

Job No. 3002 Division No. 11 Notes Red Date Notes Chkd. Date
Plotted Date Checked Date
Profile No. X-Sec. No.

STATION	B.S.	H.I.	F.S.	ELEV.	184+00 EAST	INSHORE
TBM	5 13	17 17		12 04	TBM 184+00, 79.93 off, 2x2 stk, FB	
					TC 183+60, Sight off on 184+00	
					EAST	Sand
#1			5 8	11 4	49°20' "	"
#2			5 4	11 8	63°00' "	"
#3			5 5	11 4	67°45' "	"
#4			5 2	12 0	70°08' "	"
#5			5 2	12 0	72°58' "	"
#6			5 1	12 1	75°21' "	"
#7			5 0	12 2	76°57' "	"
#8			3 9	13 3	77°42' "	"
#9			2 4	14 8	79°39' "	" @ Wall
TBM			5 13	12 04	TBM 184+00 above	

76L298 307 Cdb 12-62

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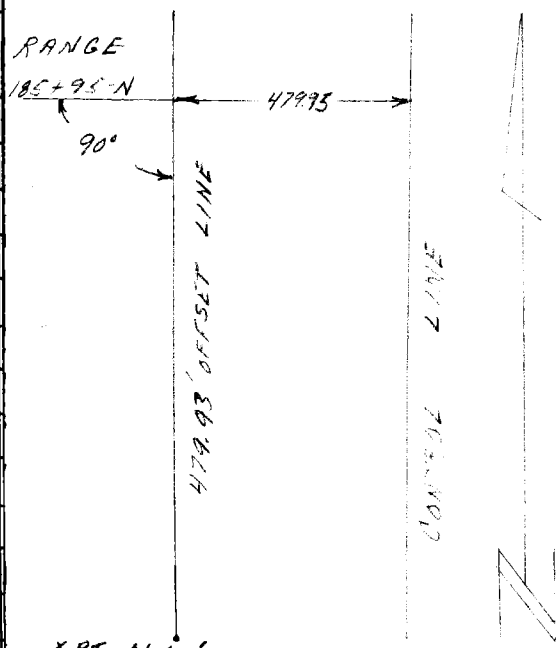
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
185+95-N	N-10'	10:30	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1859565
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1859566
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



Profile Notes Red ____ Plotted ____ Job No. 03000.02 Division No. 11 F. B. 2814 Pg. 77
No. ____ Date ____ Date ____ Survey of SHORELINE HYDRO SURVEY MARINA DEL REY & RIP
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes STI C.H Date 12/16/63
No. ____ Date ____ Date ____ Map No. ____ Indexed R. J. GALL Date ____

F. B. 2814 Pg. 48 | Job No. 0300-02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY/ MARINA DEL REY AREA Date _____ Date _____ No. _____

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

C. J. GALLI

Indexed _____ Date _____ Date _____ Date _____ No. _____

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
185+95-N	N-10'							
		10:34	22					
			21	90	00			

Do not extend notes this side of this line.

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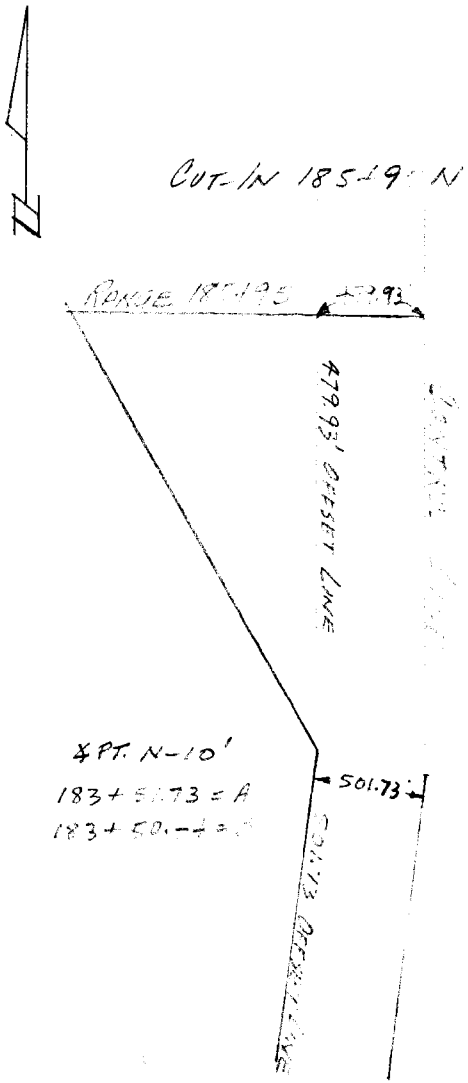
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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-10'	185+95	10:30	1	81.	2[illegible].			
			2	81.	18.			
			3	81.	21.			1859556
			4	80.	36.			
			5	80.	[illegible].			
			6	79.	30.			1859557
			7	[illegible].	06.			
			8	78.	46.			
			9	78.	09.			1859558
			10	77.	27.			
			11	76.	41.			
			12	76.	16.			1859559
			13	75.	17.			
			14	74.	07.			
			15	73.	12.			1859560
			16	72.	32.			
			17	71.	43.			
			18	71.	13.			1859561
			19	69.	29.			
			20	68.	53.			



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of

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

No. Date Date Map No. Indexed Date

F. B. 2814 Pg. 49

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.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
N-10'	185+95		21	67.	33.			1859562
		10:34	22	65.	30.			
				00.	00.			
				00.	00.			1859563
				00.	00.			
				00.	00.			
				00.	00.			1859564

Profile

Survey of [illegible] SUR. MARINA DEL REY AREA

Survey by Engr. Sur. Notes MASUDA

Indexed C. T. GALLI Date

Plotted No.

Date Date

Notes Red. Notes Chkd.

Date Date

Job No. 23000 Division No. 11

F. B. 2814 Pg. 50

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.	185+95 West	INSIDE
TBM	2 76	11 94		9 18	TBM 185+95, 479.92 off, 2x2 4W, FB.	
					⊼ @ 183+69 Sight on 185+95	
#1			2 2	+ 9 7	11°36' West	Sand
#2			1 7	+ 10 2	22°00' "	"
#3			1 0	+ 10 9	32°04' "	"
#4			1 1	+ 10 8	37°57' "	"
#5			5 3	+ 6 6	48°02' "	"
TP			7 39	4 55		
	0 66	5 21				
#6			3 4	+ 1 8	59°32' "	Water
#7			6 0	− 0 8	68°04' "	"
#8			10 5	− 5 3	74°21' "	"
#9			16 0	− 10 8	77°28' "	"
#10			20° ±	− 14 8	77°51'	
TP	7 24	11 79	0 66	4 55		
TBM			2 63	9 16	TBM 185+95 above	

Profile Notes Red ____ Plotted ____ Job No. 0200-2 Division No. 11
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Shoreline Hydro, Marina del Rey
No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes ____ Date [illegible]
Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

F. B. 2814 Pg. 51

76-L298 CE 307 3-61

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

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Do not extend notes this side of this line.

F.B. 2814 PG. 52

Survey of Shoreline Marina del Rey Job No. 03002 Division No. 11 Notes Red ____ Date ____ Plotted ____ Date ____ Profile No. ____ X-Sec. No. ____

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

Indexed C. J. GANTT Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	185+95 East	INSHORE
TBM	7.99	17.17		9.18	TBM 185+95, 479.93 off, 2x2.80, F.B.	
					TC @ 183+60, Sight on 185+95	
#1			8.5	8.7	10°40' East	Sand
#2			8.4	8.8	21°38' "	"
#3			8.1	9.1	32°23' "	"
#4			7.1	10.1	40°16' "	"
#5			6.4	10.8	47°00' "	"
#6			5.3	11.9	51°52' "	"
#7			4.4	12.8	55°42' "	"
#8			3.5	13.7	59°05' "	"
#9			2.6	14.6	61°52' "	"
#10			1.5	15.7	62°43' "	"
TBM			7.99	9.18	TBM 185+95 above	

76L298 307 Cdb 12-62

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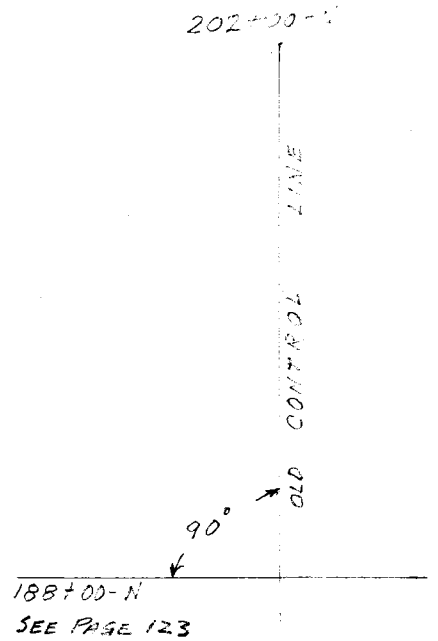
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
188+00-N	202+00-N	7:15	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1880204
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1880205
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 188+00-N

Profile Notes Red____ Plotted____ Job No. 6266 Division No. 11 F. B. 2814 Pg. 53

No.____ Date____ Date____ Survey of TRACT 11261 MARINA DEL REY

X-Sec. Notes Chkd.____ Checked____ Survey by LANGLOIS Notes [illegible] Date 12/17/63

No.____ Date____ Date____ Map No.____ Indexed [illegible] Date____

F. B. 2814 PG. 54 | Job No. 0360.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

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

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

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
188+00-N	242+00-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
			35					
			36					
			37					
			38					
			39					
			40					

CONT. TO PAGE 55

76L298 307 Cdb 12-62

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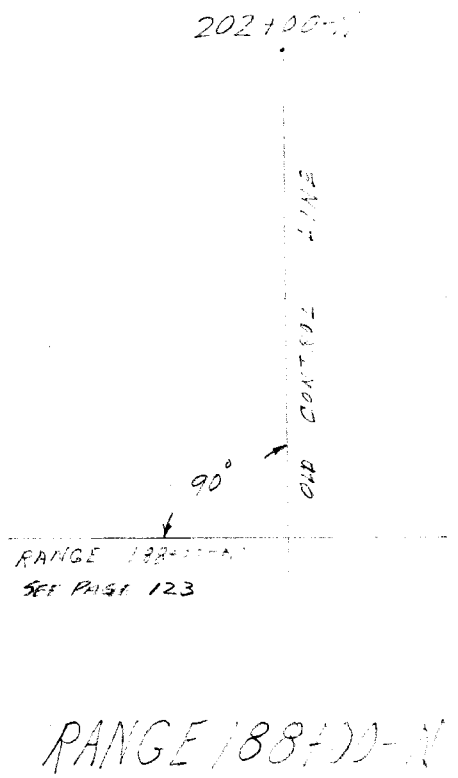
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DEG.	MIN.	
188+00-N	202+00-N		41	90	00			
			42					
			43					
		7:23	44					
CON'T. FROM	PAGE 54							



Profile No.____ Notes Red.____ Plotted.____ Job No. 03001.32 Division No. 11 F. B. 2814 Pg. 55

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked.____ Survey of SOUTHBELT RIVER SURVEY TRAILING PAGE 54

Date____ Map No.____ Date____ Indexed by [illegible] Survey by [illegible] Notes STACK Date 7/12/63

F. B. 2814 PG. 56

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L298 307 Cdb 12-62

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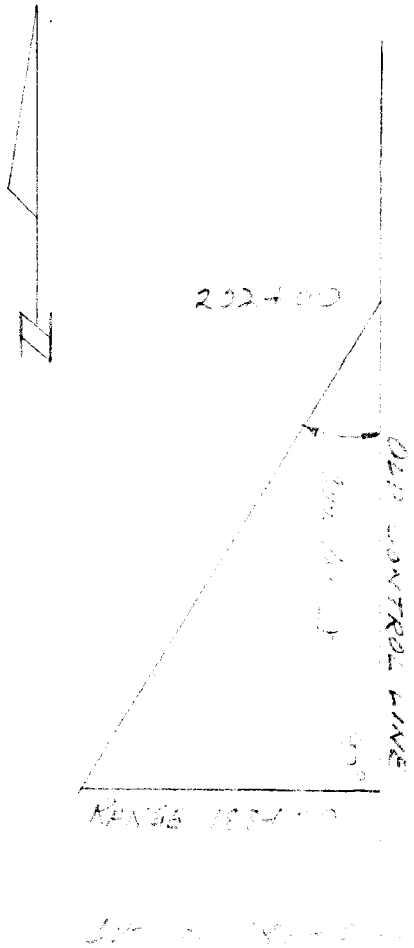
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
200+00	[illegible]	[illegible]	1	50.	26.			
			2	57.	57.			
			3	57.	34.			1880206
			4					
			5	55.	54.			
			6	55.	58.			
			7	54.	35.			1880207
			8	53.	56.			
			9	52.	54.			
			10	51.	53.			1880208
			11	52.	57.			
			12	50.	56.			
			13	49.	55.			1880209
			14	48.	22.			
			15	47.	52.			
			16	46.	3.			1880210
			17	45.	17.			
			18	44.	35.			
			19	43.	33.			1880211
			20	42.	53.			



Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03360 Division No. 11 F. B. 3P19 Pg. 57

X-Sec. No. ____ Date ____ Date ____ Survey of [illegible] Notes ____ Date ____

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by [illegible] Notes ____ Date ____

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

76L298 307 Cdb 12-62

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F. B. 2814 Pg. 58

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

Survey of SHORELINE HYDR. SUR., MARINA DEL REY AREA Date Date

Survey by C. J. GALE Notes Chkd. Checked

Indexed Notes Date Date

Profile No. X-Sec. No.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
202 100	1851 9986		21	42.	25.			
			22	39.	24.			1880212
			23	38.	12.			
			24	37.	01.			
			25	35.	23.			1880213
			26	34.	16.			
			27	33.	3.			
			28	30.	52.			1880214
			29	2[illegible].	[illegible].			
			30	[illegible].	[illegible].			
			[illegible]	[illegible].	[illegible].			1880215
			[illegible]	[illegible].	[illegible].			
			[illegible]	[illegible].	[illegible].			
			[illegible]	2[illegible].	3[illegible].			1880216
			[illegible]	[illegible].	[illegible].			
			[illegible]	[illegible].	3.			
			[illegible]	[illegible].	3[illegible].			1880217
			[illegible]	[illegible].	3[illegible].			
			[illegible]	[illegible].	[illegible].			
			[illegible]	08.	39.			1880218

CON'T. TO PAGE 59

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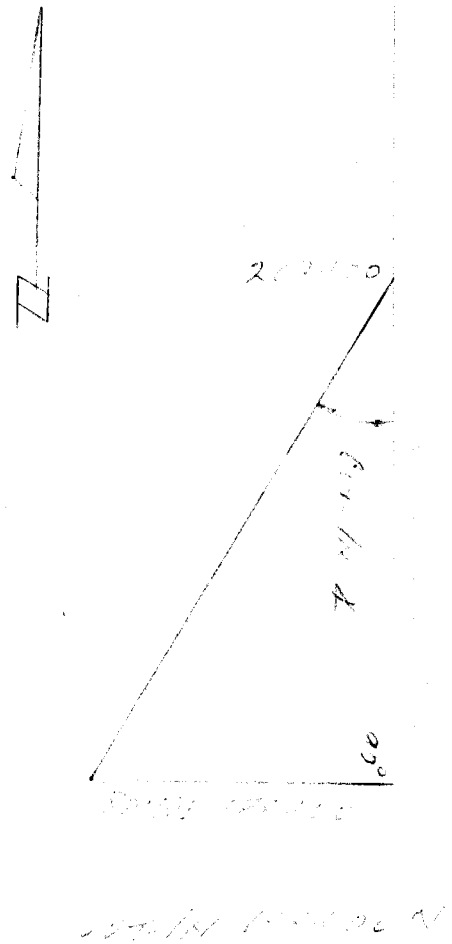
Do not extend notes this side of this line.

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					
[illegible]	[illegible]		[illegible]	—	—			
			[illegible]	03.	57.			
			[illegible]	[illegible]	[illegible]			
		7.23	9 1	[illegible]	[illegible]			1880219
				00.	00.			
CON'T. FROM PAGE 58				00.	00.			
				00.	00.			1880220



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

No. ____ Date ____ Date ____ Survey of ____

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

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

F. B. 2814 PG. 59

F. B. 2814 PG. 60

Job No. Division No. Notes Red. Plotted

Profile

Survey of Date Date No.

Survey by C. J. GALLI Notes Notes Chkd. Checked

X-Sec.

Indexed Date Date Date No.

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

76L298 307 Cdb 12-62

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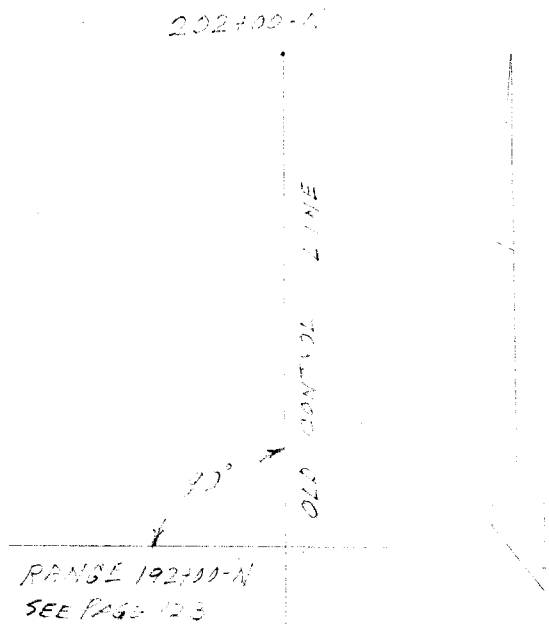
Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range	Line	Card No
Don't Punch	Don't Punch	Don't Punch	Don't Punch			Deg.	Min.	
192+00-N	202+00-N	7:44	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1920204
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1920205
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 192+00-N

Profile No.____ Notes Red.____ Plotted____ Job No. 03-0-35 Division No. 11 F. B. 2814 Pg. 61

X-Sec. No.____ Date____ Date____ Survey of SHORELINE HIGHWAY SURVEY BRAND DEL REY BEACH

Notes Chkd.____ Date____ Checked____ Date____ Survey by [illegible] Notes STICK Date 12-17-63

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

F. B. 2814 Pg. 62 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE WORD SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

Survey by ENG C. J. HGALL Notes STICK Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
19210-N	20210-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
		7.50	35					

76L298 307 Cdb 12-62

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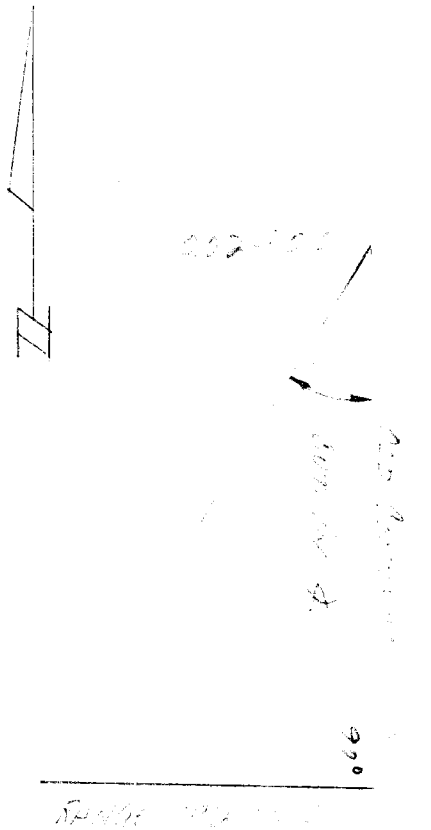
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
202400	18E1975	[illegible]	1	[illegible]	[illegible]			
			2	66.	57.			
			3	66.	16.			1920206
			4	65.	[illegible]			
			5	[illegible]	33.			
			6	[illegible]	[illegible]			1920207
			7	63.	29.			
			8	62.	37.			
			9	61.	43.			1920208
			10	60.	43.			
			[illegible]	[illegible]	[illegible]			
			12	[illegible]	[illegible]			1920209
			[illegible]	57.	44.			
			[illegible]	[illegible]	[illegible]			
			15	[illegible]	[illegible]			1920210
			[illegible]	[illegible]	[illegible]			
			[illegible]	52.	52.			
			18	51.	43.			1920211
			19	50.	07.			
			[illegible]	[illegible]	[illegible]			



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

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

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

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

F. B. 2814 PG. 63

76L298 307 Cdb 12-62

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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					
202+00	185+99.86		21	44.	29.			1920212
			22	[illegible]	[illegible]			
			23	[illegible]	[illegible]			
			24	[illegible]	[illegible]			1920213
			25	[illegible]	[illegible]			
			26	[illegible]	[illegible]			
			27	[illegible]	[illegible]			1920214
			28	[illegible]	[illegible]			
			29	[illegible]	33.			
			[illegible]	22.	01.			1920215
			[illegible]	15.	21.			
			[illegible]	13.	35.			
			[illegible]	11.	[illegible]			1920216
			[illegible]	[illegible]	[illegible]			
		7:50	[illegible]	00.	00.			
				00.	00.			1920217
				00.	00.			
				00.	00.			
				00.	00.			1920218

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Job No. 2300.02 Division No. Notes Notes

Survey of STREETLIGHT PROJ. SIGNAL MERIDIAN DEL REY AREA

Survey by ENGLISH J. GALITT

Indexed

F. B. 2814 Pg. 64

76L298 307 Cdb 12-62

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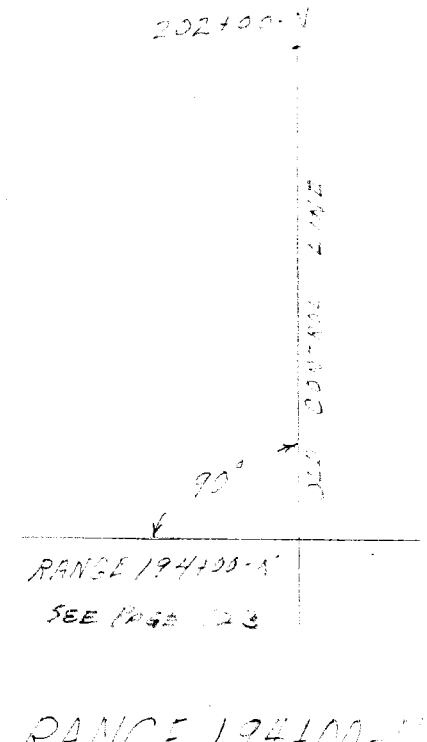
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DEG.	MIN.	
194400-N	202400-N	3:08	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1940204
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1940205
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



Profile Notes Red. Plotted Job No. 2300.02 Division No. 11 F. B. 2814 Pg. 65

No. Date Date Survey of SPRUCE LINE HYDRO SURVEY MARINA DEL REY AREA

X-Sec. Notes Chkd. Checked Survey by FIELD ISSUE Notes Date 12/17/62

No. Date Date Map No. Indexed Date

F. B. 2814 Pg. 66 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRS SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

Survey by ENGLISH C. J. GALLI Notes STICH Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
194+00 N	202+00 N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
			35					
			36					
		8:15	37					

Do not extend notes this side of this line.

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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761298 307 Cdb 12-62

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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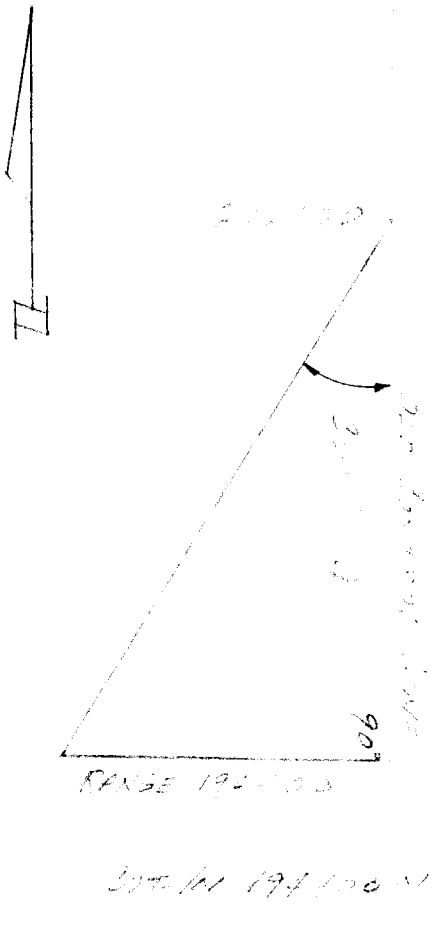
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	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					
202+00	185+99.76	8:08	1	71.	19.			
			2	70.	59.			
			3	70.	34.			1940206
			4	70.	07.			
			5	69.	38.			
			6	69.	07.			1940207
			7	68.	31.			
			8	67.	57.			
			9	67.	31.			1940208
			10	66.	15.			
			11	66.	08.			
			12	66.	32.			1940209
			13	64.	42.			
			14	63.	43.			
			15	62.	47.			1940210
			16	61.	29.			
			17	60.	26.			
			18	59.	26.			1940211
			19	58.	28.			
			20	56.	56.			



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

F. B. 2814 Pg. 67

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

Inst. At	Sight On	Time	Angle No	Hor. Deg.	Angle Min.	For Office Use Only: Range Line Deg.	Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
202400	1854998		21	55.	19.			1940212
			22	57.	12.			
			23	52.	30.			
			24	50.	26.			1940213
			25	48.	13.			
			26	46.	51.			
			27	43.	03.			1940214
			28	40.	04.			
			29	37.	05.			
			30	33.	44.			1940215
			31	30.	16.			
			32	26.	17.			
			33	23.	22.			1940216
			34	17.	44.			
			35	13.	06.			
			36	08.	32.			1940217
		8:15	37	00.	00.			
				00.	00.			
				00.	00.			1940218

F. B. 2814 Pg. 68 | Job No 0398.02 Division No. 11 Notes Red. Plotted Profile

Survey of ALAMEDA HYDR. SURV. MARINA DEL REY AREA Date No. X-Sec.

Survey by ENGLISH Notes MASSUDA Notes Chkd. Checked

Indexed C. J. GREEN Date Date No.

76L298 307 Cdb 12-62

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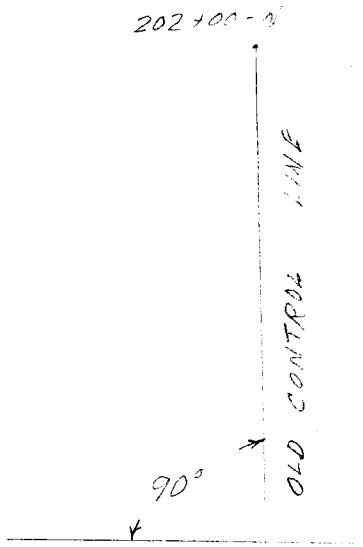
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	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					
196100-N	202+00-N	8:34	1	90	00	96.	00.	
			2			00.	00.	
			3			00.	00.	1960204
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1960205
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



SEE PAGE 123

RANGE 196+00-N

Profile Notes Red. Plotted Job No. 0340-12 Division No. 4 F. B. 2814 Pg. 89

No. Date Date Survey of SHELLEDINE ROAD SURVEY "BANKS" [illegible]

X-Sec. Notes Chkd. Checked Survey by [illegible] Notes [illegible] Date 12/17/63

No. Date Date Map No. Indexed B. J. GALLI Date

76L298 307 Cdb 12-62

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F. B. 2814 Pg. 70 | Job No. 234.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of SHORELINE HYSRD SURVEY/MARINA DEL REY AREA | Date | No. | X-Sec.

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

Indexed C. 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					
196+00-N	202+00-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
			35					
		8.40	36					

76L298 307 Cdb 12-62

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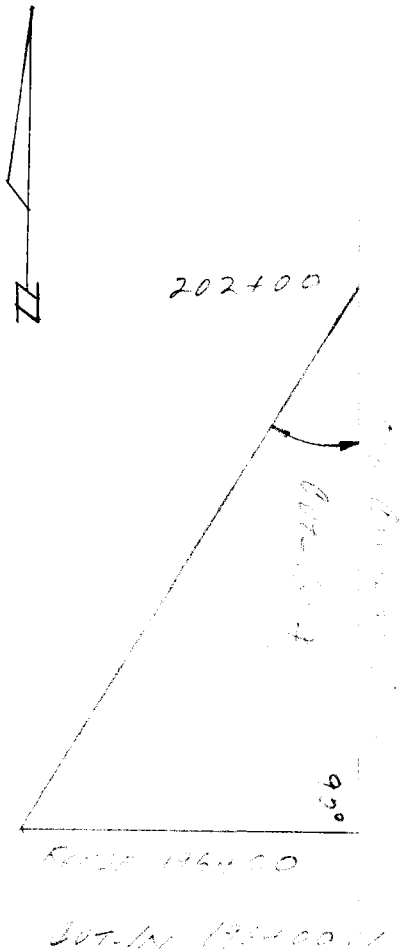
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
202+00	185+99.86	8:34	1	75.	33.			
			2	75.	08.			
			3	74.	39.			1960206
			4	74.	11.			
			5	73.	36.			
			6	73.	15.			1960207
			7	72.	50.			
			8	72.	13.			
			9	71.	44.			1960208
			10	71.	28.			
			11	70.	32.			
			12	69.	48.			1960209
			13	69.	01.			
			14	68.	36.			
			15	67.	17.			1960210
			16	66.	17.			
			17	65.	18.			
			18	64.	37.			1960211
			19	62.	50.			
			20	61.	27.			



Profile No.____ Date____ Notes Red____ Plotted____ Job No.____ Division No.____

X-Sec. No.____ Date____ Notes Chkd____ Date____ Checked____ Date____ Survey of____ Survey by____ Notes____ Date____ Map No.____ Indexed R. J. Gauld Date____

F. B. 2814 Pg. 71

AREA

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					
202+00	185+99.86		21	59.	53.			1960212
			22	57.	58.			
			23	55.	45.			
			24	53.	46.			1960213
			25	51.	28.			
			26	48.	11.			
			27	44.	37.			1960214
			28	41.	43.			
			29	37.	36.			
			30	33.	17.			1960215
			31	28.	22.			
			32	22.	45.			
			33	17.	36.			1960216
			34	11.	38.			
			35	06.	15.			
		5:40	36	00.	00.			1960217
				00.	00.			
				00.	00.			
				00.	00.			1960218

F. B. 2814 PG. 72 Job No. 0200.02 Division No. 11 Notes Red. Plotted Profile

Survey of LONGLINE HYDR. SURVEY IN BAY AREA Date Date No. X-Sec.

Survey by C. J. GATH Notes MASSIVE Notes Chkd. Checked

Indexed Date Date Date No.

76L298 307 Cdb 12-62

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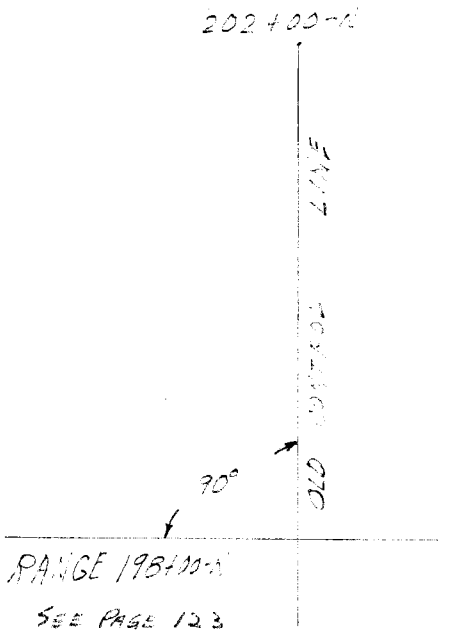
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE	LINE	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH			DEG.	MIN.	
198400-N	202400-N	8:51	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	1980204
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	1980205
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 198400-N

Profile Notes Red_____ Plotted_____ Job No. 1221-02 Division No. 11 F. B. 2814 Pg. 23

No._____ Date_____ Date_____ Survey of SHORELINE HYDRO SURVY MARINA DEL REY AREA

X-Sec. Notes Chkd._____ Checked_____ Survey by_____ Notes_____ Date 12/17/53

No._____ Date_____ Date_____ Map No._____ Indexed E. J. GALLI Date_____

F. B. 2814 Pg. 74 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

E. J. GALLI

761298 307 Gdb 12-62

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Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No. Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
1981-00-N	2024-00-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
		8:57	35					

76L298 307 Cdb 12-62

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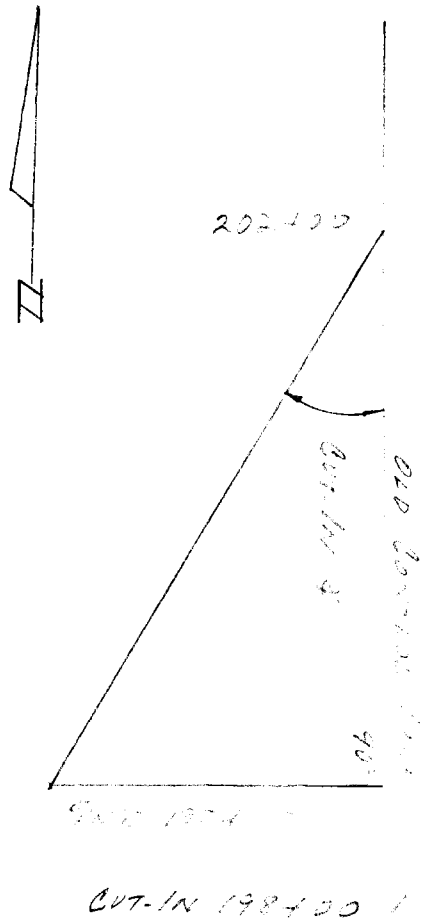
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
202+00	185+99.86	2:51	1	80.	18.			
			2	79.	53.			
			3	—	—			
			4	79.	02.			1980206
			5	78.	33.			
			6	78.	00.			
			7	77.	39.			1980207
			8	77.	13.			
			9	76.	41.			
			10	76.	02.			1980208
			11	75.	22.			
			12	74.	53.			
			13	74.	11.			1980209
			14	73.	26.			
			15	72.	31.			
			16	71.	52.			1980210
			17	70.	53.			
			18	69.	47.			
			19	68.	39.			1980211
			20	67.	12.			



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of

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

No. Date Date Map No. Indexed Date

E. J. GALL

F. B. 7814 PG. 75

76L298 307 Cdb 12-62

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F. B. 2814 Pg. 76 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of SHORELINE HYDRO. SURV. MARINA DEL REY AREA | Notes | Date | No.

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

Indexed B. I. GALIT | 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					
[illegible]	1851998		21	65.	48.			
			22	64.	7.			1980212
			23	62.	25.			
			24	60.	03.			
			25	56.	55.			1980213
			26	54.	09.			
			27	50.	52.			
			28	47.	05.			1980214
			29	42.	38.			
			30	37.	55.			
			31	32.	11.			1980215
			32	26.	05.			
			33	18.	52.			
			34	09.	32.			1980216
		[illegible]	35	00.	00.			
				00.	00.			
				00.	00.			1980217

76L298 307 Cdb 12-62

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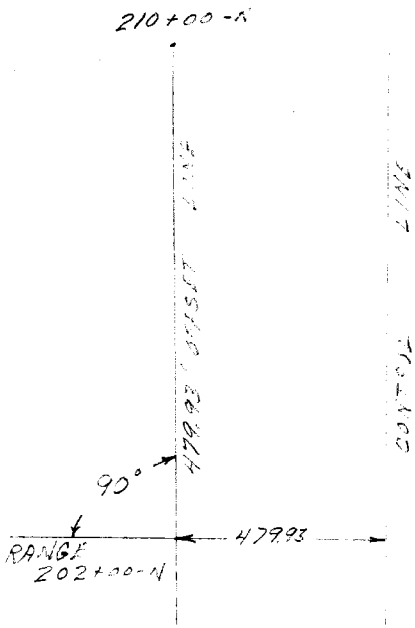
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	FOR OFFICE USE ONLY LINE MIN.	FOR OFFICE USE ONLY CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
202+00-N	210+00-N	9:25	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	2020200
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	2020207
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 202+00-N

Profile Notes Red. Plotted Job No. 2300.02 Division No. 11 F. B. 2814 Pg.

No. Date Date Survey of SHORELINE HYDRO SURVEY MARINA DEL REY

X-Sec. Notes Chkd. Checked Survey by ENGLISH Notes STAFF Date 12/17/63

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

F. B. 2814 Pg. 78 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HWY. SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

C. J. GAIN

761.298 307 Cdb 12-62

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Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
202HW-N	210HW-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
		9:30	31					

76L298 307 Cdb 12-62

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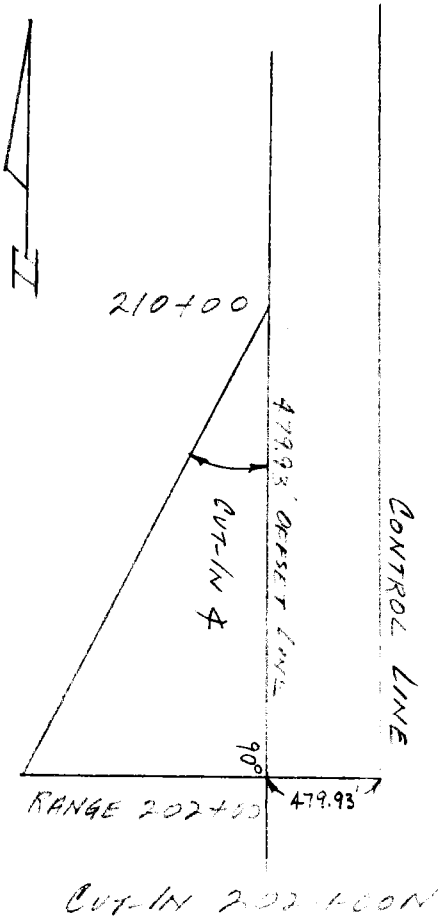
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
210+00	202+00	9:25	1	67.	26.			
			2	66.	54.			
			3	66.	01.			2020208
			4	65.	19.			
			5	64.	30.			
			6	63.	10.			2020209
			7	62.	16.			
			8	60.	51.			
			9	59.	29.			2020210
			10	58.	30.			
			11	57.	07.			
			12	55.	13.			2020211
			13	53.	52.			
			14	52.	13.			
			15	50.	34.			2020212
			16	48.	37.			
			17	47.	45.			
			18	45.	58.			2020213
			19	44.	25.			
			20	43.	12.			



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

X-Sec. No.____ Date____ Date____ Survey of SHORELINE HYDR. SUR. MARINA DEL REY AREA

Notes Chkd.____ Date____ Checked.____ Date____ Survey by ENGLISH Notes MASUDA Date DEC. 17, 1963

Map No.____ Indexed.____ GALL Date____

F. B. 2814 PG. 79

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					
210+00	202+00		21	40.	51.			2020214
			22	35.	45.			
			23	36.	58.			
			24	34.	21.			2020215
			25	32.	39.			
			26	30.	49.			
			27	29.	10.			2020216
			28	28.	04.			
			29	26.	37.			
			30	26.	01.			2020217
		9:32	31	25.	04.			
				00.	00.			
				00.	00.			2020218
				00.	00.			
				00.	00.			
				00.	00.			2020219

Profile

Survey of SHORELINE HWY. SYS. MARINA DEL REY AREA Division No. 11 Notes Red. Plotted

Survey by EXG 1/24 Notes MASUDA Date Date No.

Indexed Date Date Notes Chkd. Checked X-Sec.

Job No. 0300.02 Date Date No.

F. B. 2814 Pg. 80

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.	202+00 West	1115+00
TBM	0 68	15 12		14 44	TBM 202+00, 479.93 off, 2X2 ⊿N, F.B.	
					⊼ @ 206+00, Sight on 202+00	
#1			0 5	+ 14 6	6°26' West	Sand
#2			0 9	+ 14 2	14°14' "	"
#3			1 0	+ 14 1	21°33' "	"
#4			1 8	+ 13 3	30°48' "	"
#5			1 9	+ 13 2	32°08' "	"
#6			3 7	+ 11 4	35°26' "	"
#7			4 4	+ 10 7	39°36' "	"
TP			8 96	6 16		
	3 75	9 91				
#8			6 4	+ 3 5	43°19'	Water
#9			11 0	− 1 1	47°51'	"
#10			13 2	− 3 3	50°32'	"
TP			3 75	6 16		
	9 02	15 18				
			0 73	14 45	TBM 202+00 above	

Profile Notes Red ____ Plotted ____ Job No. 23002 Division No. 11 F.B. 2814 PG. 21
No. ____ Date ____ Date ____ Survey of Sherman Hydro, Marina del Rey
X-Sec. Notes Chkd. ____ Checked ____ Survey by Lewis Notes ____ Date 12/11/62
No. ____ Date ____ Date ____ Map No. ____ Indexed R. J. GAU Date ____

76-L298 CE 307 3-61

513

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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.	202+00 East		Inshore
T.B.M.	513	1957		1444	T.B.M. 202+00	479.93	off 2 x 2 ¾ n
					A @ 206+00	sight	on 202+00
#1			56	140	7° 20'	East	Sand
#2			58	138	14° 05'	"	"
#3			60	136	20° 38'	"	"
#4			63	133	26° 30'	"	"
#5			67	129	32° 08'	"	"
#6			56	140	37° 02'	"	"
#7			42	154	42° 02'	"	"
#8			31	165	45° 44'	"	"
#9			48	148	49° 38'	"	"
T.B.M.			513	1444	202+00	479.93	off 2x2 ¾ n.

F. B. 2814 Pg. 82 | Job No. 03002 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Shoreline Hydro Marina Del Rey Date ____ No. ____ X-Sec. ____
Survey by C. Adams Notes C. Adams Notes Chkd. ____ Checked ____ No. ____
Indexed [redacted] Date 12-17-63 Date ____ Date ____

76L298 307 Cdb 12-62

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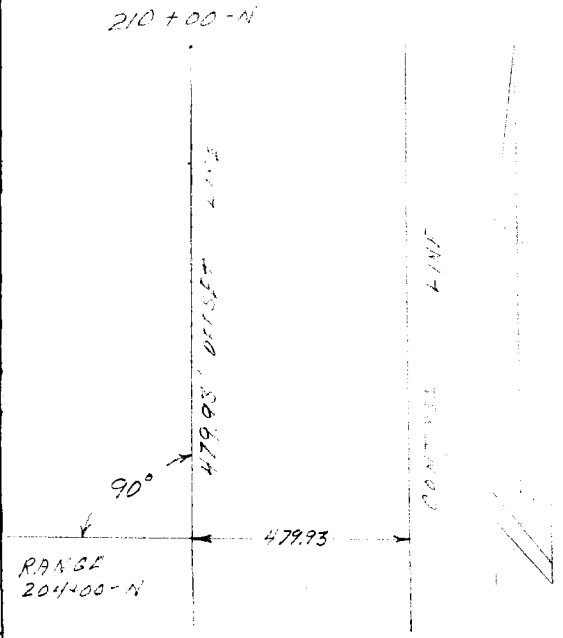
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	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					
204+00-N	210+00-N	9:52	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	2040206
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	2040207
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 204-00-N

Profile Notes Red. Plotted Job No. Division No. 11 F. B. 2814
No. Date Date Survey of Pg. 73
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed Date

F. B. 2814 PG. 84 | Job No. 0380.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

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

Indexed S. J. GALLI Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

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Do not extend notes this side of this line.

Inst. At Don't Punch	Sight On Don't Punch	Time Don't Punch	Angle No Don't Punch	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
20440-N	21440-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
		9.57	29					

76L298 307 Cdb 12-62

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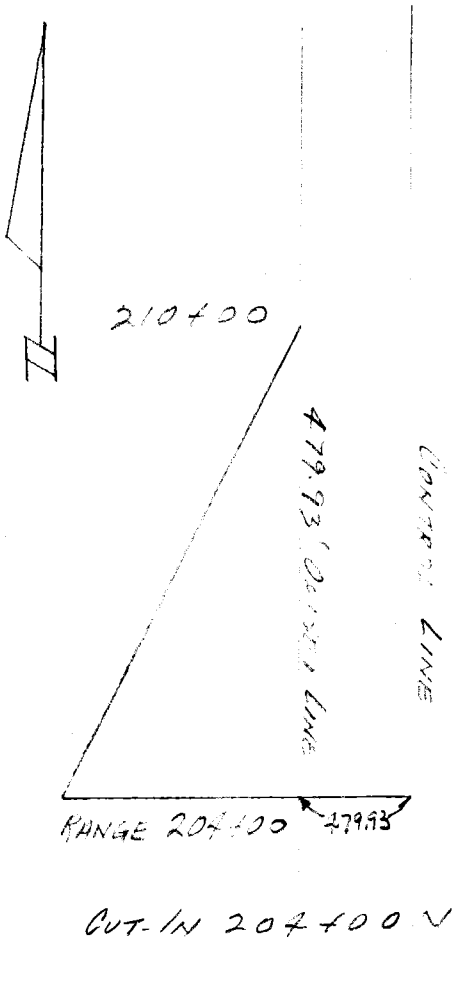
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
210+00	204+00	9:52	1	71.	13.			
			2	70.	32.			
			3	70.	07.			2040208
			4	69.	20.			
			5	68.	40.			
			6	67.	52.			2040209
			7	67.	06.			
			8	66.	22.			
			9	65.	15.			2040210
			10	64.	08.			
			11	63.	08.			
			12	61.	55.			2040211
			13	60.	48.			
			14	59.	19.			
			15	57.	41.			2040212
			16	56.	26.			
			17	54.	02.			
			18	52.	15.			2040213
			19	49.	53.			
			20	48.	54.			



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of

X-Sec. Notes Chkd. Checked Survey by Notes

No. Date Date Map No. Indexed Date Date

F. B. 2814 PG. 35

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					
210+00	204+00		21	45.	19.			2040214
			22	43.	07.			
			23	39.	53.			
			24	33.	3[illegible].			2040215
			25	[illegible].	2[illegible].			
			26	32.	17.			
			27	29.	54.			2040216
			[illegible]	27.	15.			
		9:57	[illegible]	25.	47.			
				00.	00.			2040217
				00.	00.			
				00.	00.			
				00.	00.			2040218

F. B. 2814 Pg. 86 Job No. 0300-02 Division No. 11 Notes Red. Plotted Profile

Survey of SHORELINE HYDR. SURV. MARINA DEL REY AREA Date Date No. X-Sec.

Survey by ENGLISH Notes MASUDA Notes Chkd. Checked

Indexed E. 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.	204+00 West	INSIDE
TBM	1 16	15 82		14 66	TBM 204+00, 479.93 off, 2X2 [illegible]	
					↑ @ 202+00, Sight on 204+00	
#1			1 0	+148	13° 52' West	Sand
#2			0 7	+151	25° 31' "	"
#3			2 0	+138	35° 56' "	"
#4			1 7	+141	41° 12' "	"
#5			3 7	+121	44° 25' "	"
#6			4 6	+112	48° 20' "	"
T.P.			8 24	7 58		
	3 96	11 54				
#7			8 6	+29	50° 42' "	Wate
#8			12 3	-08	53° 42' "	"
#9			15 2	-37	55° 25' "	"
T.P.			3 96	7 58		
	8 61	16 19				
TBM			1 49	14 70	TBM 204+00 above	

No. _____ Date _____ Map No. _____ Indexed _____ Date _____

No. X-Sec. Notes Chkd. _____ Date _____ Checked _____ Date _____ Survey by Lowers Notes [illegible] Date [illegible]

Profile Notes Red _____ Plotted _____ Job No. 03-2-2 Division No. 11 Survey of Shoreline Hydro Alternative del Rey

F. B. 284 PG. 87

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.	204+00 East	Inshore
T.B.M.	5 59	2025		14.66	T.B.M. 204+00, 479.93 off 2x2 ℄ n	F.B.
					⊼ on 208+00 sight	on 202+00
#1			6 0	14 3	7° 13' East	Sand
#2			6 0	14 3	14° 00' "	"
#3			6 1	19 2	20° 44' "	"
#4			6 8	13 5	26° 55' "	"
#5			7 0	13 3	31° 59' "	"
#6			5 5	14 8	36° 58' "	"
#7			3 7	16 6	41° 28' "	"
#8			3 0	17 3	45° 27' "	"
#9			4 5	15 8	49° 43' "	"
T.B.M.			5 59	14 66	204+00 479.93 off 2x2 ℄ n	

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

Plotted ____ Date ____ Checked ____ Date ____

Notes Red ____ Date ____ Notes Chkd. ____ Date ____

Division No. 11 Job No. 030002

Survey of Shoreline Hydro Marina Del Rey

Survey by C. Adams Notes C. Adams

Indexed ____ Date 12-17-63

F.B. 2814 Pg. 88

76L298 307 Cdb 12-62

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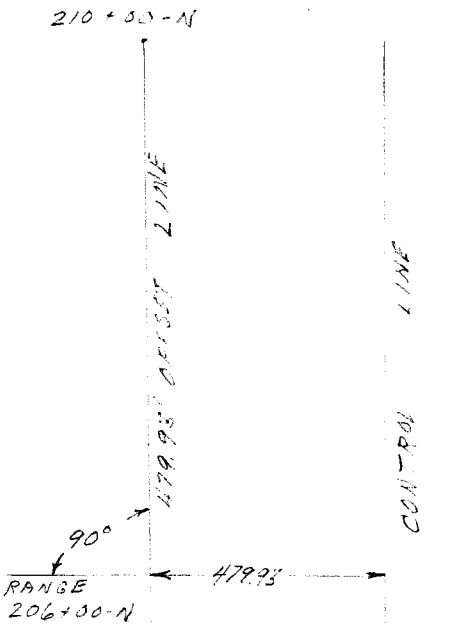
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.	MIN.	
206+00-N	210+00-N	10:12	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	2060206
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	2060207
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 206+00-N

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2814 Pg. ____

No. ____ Date ____ Date ____ Survey of ____

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

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

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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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					
206+00-N	210+00-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
		10:18	34					

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Job No. 230002 Division No. 11

Survey of SHORELINE HWY SURVEY MARINA DEL REY AREA

Survey by ENGL/SE Notes STICK

Indexed Date

C. J. GATTI

F. B. 2814 Pg. 90

76L298 307 Cdb 12-62

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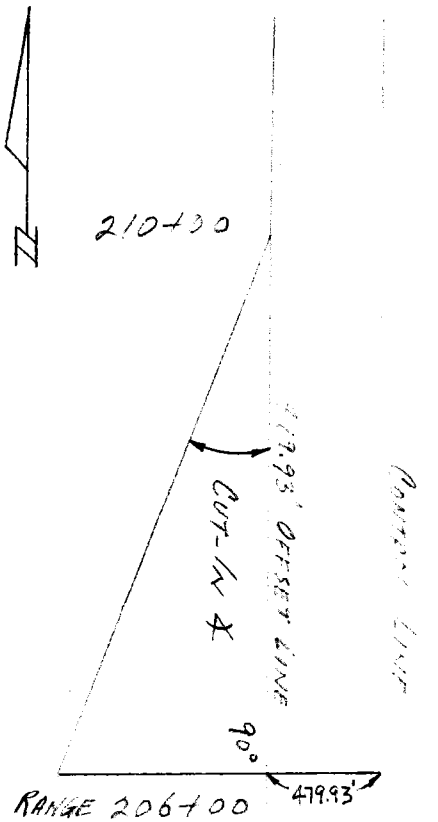
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.	MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
210+00	206+00	10:12	1	77.	13.			
			2	76.	47.			
			3	76.	23.			2060208
			4	76.	02.			
			5	75.	33.			
			6	74.	50.			2060209
			7	74.	10.			
			8	73.	37.			
			9	73.	05.			2060210
			10	72.	31.			
			11	71.	37.			
			12	70.	52.			2060211
			13	70.	07.			
			14	69.	19.			
			15	68.	14.			2060212
			16	67.	24.			
			17	66.	33.			
			18	65.	22.			2060213
			19	64.	37.			
			20	63.	13.			



Profile Notes Red. Plotted Job No. Division No.

No. Date Date Survey of

X-Sec. Notes Chkd. Checked Survey by Notes

No. Date Date Map No. Indexed E. J. GALL Date

F. B. 2819 Pg.

76L298 307 Cdb 12-62

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F. B. 2814 Pg. 92 | Job No. 0300.02 Division No. 11 Notes Red. ____ Plotted ____ Profile No. ____

Survey of SHORELINE HWY. SUR., MARINA DEL REY PROJ. Date ____ Date ____ X-Sec. No. ____

Survey by ENGLISH Notes MASUDA Notes Chkd. ____ Checked ____

Indexed C. J. GALLI 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					
210+00	206+00		21	62.	03.			2060214
			22	60.	30.			
			23	58.	34.			
			24	56.	19.			2060215
			25	54.	11.			
			26	50.	08.			
			27	50.	27.			2060216
			28	42.	49.			
			29	43.	32.			
			30	45.	20.			2060217
			31	40.	52.			
			32	38.	53.			
			33	36.	37.			2060218
		10:18	34	33.	12.			
				00.	00.			
				00.	00.			2060219
				00.	00.			
				00.	00.			
				00.	00.			2060220

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.	206+00 West	INSHORE
TBM	2 02	16 85		14 83	TBM 206+00, 479.93 off, 2 x 2 FN. FE.	
					↗ @ 202+00, Sight on 206+00	
#1			1 2	+ 15 7	6°44' West	Sand
#2			2 5	+ 14 4	13°00' "	"
#3			2 5	+ 14 4	17°10' "	"
#4			4 8	+ 12 1	20°10' "	"
#5			7 1	+ 9 8	24°04' "	"
T.P.			10 16	6 69		
	3 01	9 70				
#6			7 3	+ 2 4	28°09' "	Water
#7			10 2	− 0 5	31°28' "	"
#8			12 3	− 2 6	36°40' "	"
#9			15 5	− 5 8	40°07' "	"
T.P.			3 01	6 69		
	9 49	15 18				
TBM			1 35	14 83	TBM 206+00 above	

Profile Notes Red ____ Plotted ____ Job No. 23002 Division No. 11 F. B. 2814
No. ____ Date ____ Date ____ Date ____ Survey of Shoreline Hydro. Marine Geology PG. 93
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by Powell Notes ____ Date 4/11/63
No. ____ Date ____ Date ____ Map No. ____ Indexed ~~F. J. GALL~~ Date ____

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	206+00 East	Inshore
T.B.M	5 92	2075		1483	T.BM 206+00 479.93	off 2x2 & n F.B.
					π on 210+00 sight	on 202+00
#1			65	143	6° 38' East	Sand
#2			72	136	13° 42' "	"
#3			71	137	20° 12' "	"
#4			75	133	26° 26' "	"
#5			72	136	32° 07' "	"
#6			59	149	37° 22' "	"
#7			50	158	41° 42' "	"
#8			43	165	45° 34' "	"
#9			63	145	49° 51' "	"
T.BM.			592	1483	206+00 479.93	off 2x2 & n

F. B. 2814 PG. 94

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

Survey of Shoreline Hydro Marina Del Rey Date ____ Date ____ No. ____ X-Sec. ____

Survey by C. Adams Notes ____ Notes Chkd. ____ Checked ____ No. ____

Indexed ____ Date 12-12-63 Date ____ Date ____

C. J. GATTI

76L298 307 Cdb 12-62

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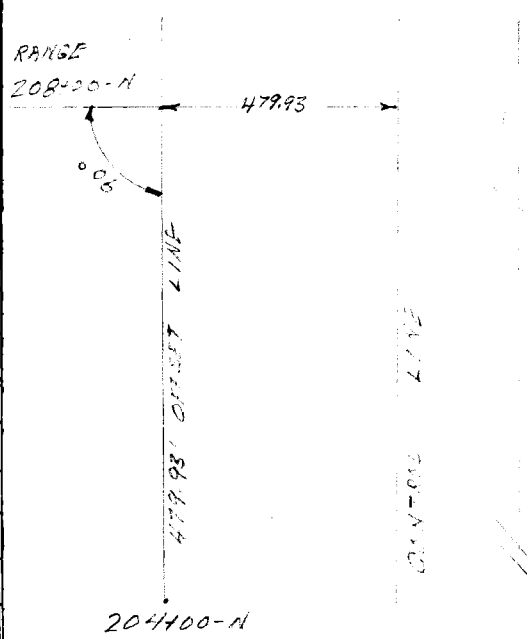
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE 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					
208+00-N	204+00-N	10:28	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	2080218
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	2080219
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 208+00-N

Profile No.____ Date____ Notes Red.____ Plotted____ Job No. 0300-K Division No.____ F. B. 2814 Pg. 95

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of SHORELINE CHAN[illegible] Survey by [illegible] Notes [illegible] Date 12/17/[illegible]

Date____ Map No.____ Indexed [illegible] Date____

F. B. 2814 Pg. 96 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of SHORELINE HYDRO SURVEY MARINA DEL REY AREA Date _____ Date _____ No. _____

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

Indexed C. I. GALLI Date _____ Date _____ Date _____ No. _____

761298 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.	Range Line Min.	Card No.
20E400-N	20H400-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
		10:33	34					

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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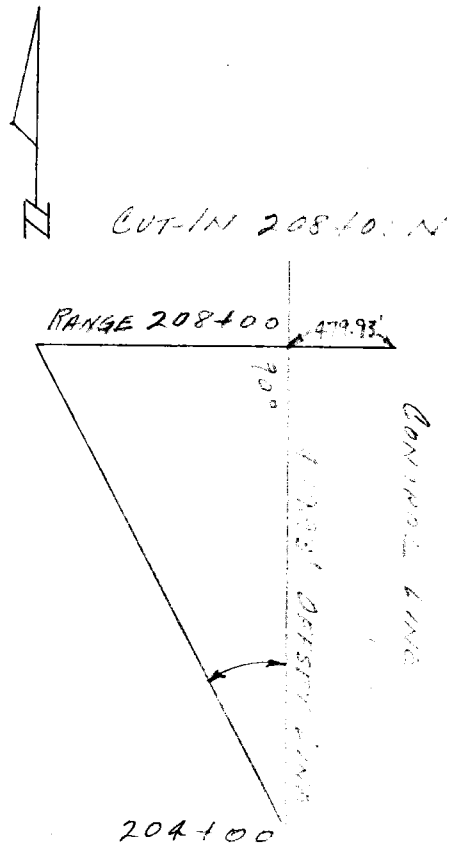
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	LINE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
204+00	208+00	10:28	1	74.	07.			
			2	—	—			
			3	75.	04.			
			4	74.	57.			2080206
			5	74.	36.			
			6	74.	04.			
			7	73.	41.			2080207
			8	73.	17.			
			9	[illegible]	[illegible]			
			10	[illegible]	55.			2080208
			11	[illegible]	17.			
			12	70.	38.			
			13	69.	56.			2080209
			14	68.	[illegible]			
			15	68.	13.			
			16	67.	15.			2080210
			17	66.	09.			
			18	64.	53.			
			19	63.	36.			2080211
			20	62.	12.			



Profile Notes Red. Plotted Job No. Division No. F. B. 2814 Pg. 97

No. Date Date Survey of

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

No. Date Date Map No. Indexed L. J. GALLI 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.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
204+00	208+00		21	[illegible]	29.			
			22	[illegible]	[illegible]			2080212
			23	[illegible]	[illegible]			
			24	[illegible]	[illegible]			
			25	[illegible]	[illegible]			2080213
			26	[illegible]	[illegible]			
			27	[illegible]	[illegible]			
			28	[illegible]	[illegible]			2080214
			29	[illegible]	23.			
			30	[illegible]	[illegible]			
			31	[illegible]	[illegible]			2080215
			[illegible]	[illegible]	[illegible]			
			[illegible]	[illegible]	[illegible]			
		[illegible]	[illegible]	[illegible]	[illegible]			2080216
				00.	00.			
				00.	00.			
				00.	00.			2080217

Profile

F. B. 2814 Pg. 98

Job No 0300.02 Division No. 11 Notes Red. Plotted

Survey of SHORELINE HYDR. SUR., MARINA DEL REY AREA Date Date No.

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

Indexed E. 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.	208+00 West	INSHORE
TBM	0 78	16 34		15 56	TBM 208+00, 479.93 off, 2.28N, FH	
					⊼ @ 202+00, Sight on 208+00	
#1			0 8	+ 15 5	4°41' West	Sand
#2			1 6	+ 14 7	8°00' "	"
#3			2 9	+ 13 4	9°49' "	"
#4			3 7	+ 12 6	12°17' "	"
T.P.			9 01	7 33		
	3 62	10 95				
#5			8 5	+ 2 5	17°30' "	Water
#6			13 8	− 2 9	22°10' "	"
#7			16 5	− 5 6	26°22' "	"
TP			3 62	7 33		
	9 05	16 38				
TBM			0 82	15 56	TBM 208+00 above	

Profile Notes Red ____ Plotted ____ Job No. 03000-2 Division No. 11 F. B. 2814 Pg. 99
No. ____ X-Sec. ____ Date ____ Date ____ Survey of Shoreline Hydro, Marina del Rey
No. ____ Notes Chkd. ____ Checked ____ Survey by Dasco Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed R. J. GAU Date ____

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.	208+00 East	Inshore
T.B.M.	402	1958		1556	T.B.M 208+00 479.93	off 2x2 ⅝ in
					⊼ on 204+00 sight	on 210+00
#1			47	149	7°33' East	Sand
#2			57	139	14°43'	
#3			53	143	21°35'	"
#4			57	139	26°42'	"
#5			57	139	32°08'	"
#6			47	149	? 45°08'	"
#7			34	162	41°41'	"
#8			27	169	45°49'	"
#9			51	145	49°51'	"
T.B.M.			402	1556	208+00 479.93	off 2x2 ⅝ in

F.B. 2814 PG. 100

Job No. 0300.0 Division No. 11 Notes Red Plotted Profile
Survey of Shoreline Hydro Marina Del Rey Date Date No. X-Sec.
Survey by C. Adams Notes C. Adams Notes Chkd. Checked
Indexed C. J. Gill Date 12-12-63 Date Date No.

76L298 307 Cdb 12-62

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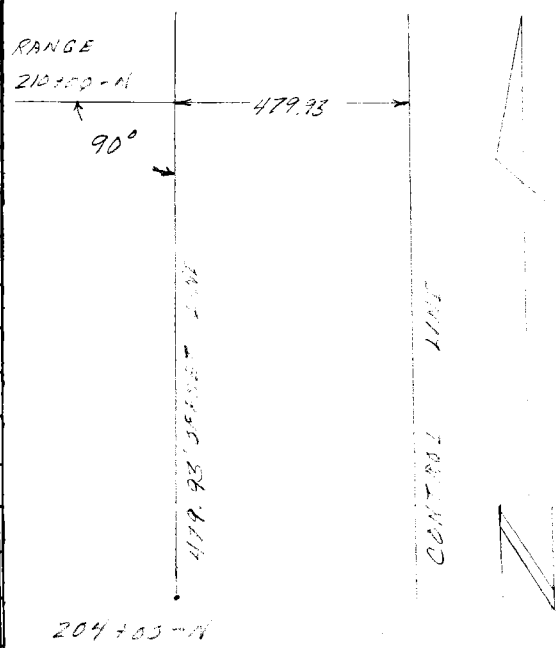
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	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					
210+00-N	204+05-N	1543	1	90	00	90.	00.	
			2			00.	00.	
			3			00.	00.	2100219
			4			00.	00.	
			5			00.	00.	
			6			00.	00.	2100220
			7					
			8					
			9					
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					



RANGE 210+00-N

Profile

No. Date Notes Red. Plotted Job No. 03202 Division No. 11 F. B. 2314 Pg. 101

X-Sec. Date Survey of SPURE LINE HYDRO SURVEY DURING FEE REPAIRED

No. Date Notes Chkd. Checked Survey by PAUL CU Notes STOP-N Date 12/11/62

Date Map No. Indexed Date

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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F. B. 2814 Pg. 102 Job No. 3340.02 Division No. 11 Notes Red. Plotted Profile

Survey of SHORELINE HYDRO SURVEY MARINE DEL REY AREA Date Date No. X-Sec.

Survey by ENGLISH Notes STICH Notes Chkd. Checked No.

Indexed Date Date Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only: Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
210+00-N	204+00-N		21	90	00			
			22					
			23					
			24					
			25					
			26					
			27					
			28					
			29					
			30					
			31					
			32					
			33					
			34					
		10:49	35					

76L298 307 Cdb 12-62

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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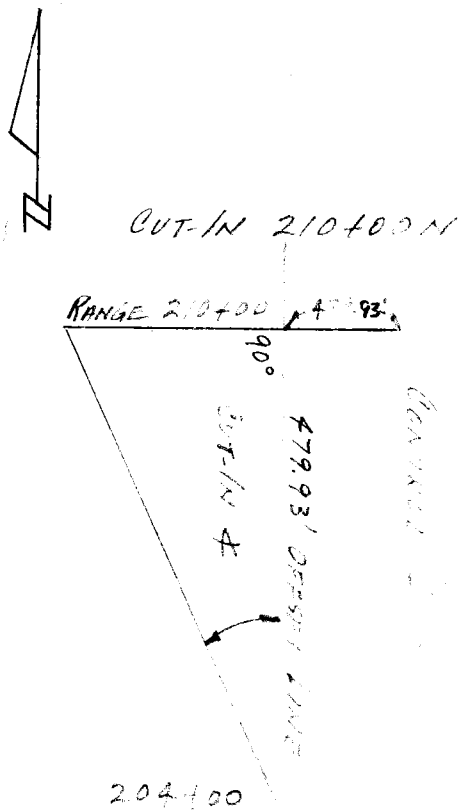
Do not extend notes this side of this line.

INST. AT	SIGHT ON	TIME	ANGLE Nº	HOR. ANGLE DEG.	HOR. ANGLE MIN.	FOR OFFICE USE ONLY RANGE DEG.	RANGE MIN.	CARD Nº
DON'T PUNCH	DON'T PUNCH	DON'T PUNCH	DON'T PUNCH					
204+00	[illegible]	10:43	1	71.	42.			
			2	71.	19.			
			3	70.	46.			2100206
			4	70.	12.			
			5	69.	40.			
			6	69.	05.			2100207
			7	68.	33.			
			8	67.	58.			
			9	67.	10.			2100208
			10	66.	28.			
			11	65.	39.			
			12	64.	56.			2100209
			13	63.	59.			
			14	62.	54.			
			15	60.	32.			2100210
			16	61.	21.			
			17	60.	05.			
			18	58.	47.			2100211
			19	57.	12.			
			20	56.	43.			



Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 11 F. B. 2814 PG. 103
No. ____ Date ____ Date ____ Survey of [illegible] HIGH. SUB. MARINA DEL REY AREA
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes MR SUB Date DEC. 17, 1963
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L298 307 Cdb 12-62

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F. B. 2814 Pg. 104 Job No 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of SHORELINE HYDR. SUR., MARINA DEL REY AREA Date Date No. X-Sec.

Survey by ENGLISH Notes MASCORA Notes Chkd. Checked No.

Indexed Date Date Date

Inst. At	Sight On	Time	Angle No	Hor. Angle Deg.	Hor. Angle Min.	For Office Use Only Range Line Deg.	Range Line Min.	Card No.
Don't Punch	Don't Punch	Don't Punch	Don't Punch					
204+22	210+00		21	53.	44.			2100212
			22	51.	49.			
			23	49.	50.			
			24	47.	35.			2100213
			25	[illegible]	[illegible]			
			26	42.	[illegible]			
			27	39.	57.			2100214
			28	36.	31.			
			29	34.	06.			
			30	31.	38.			2100215
			31	29.	31.			
			[illegible]	[illegible]	[illegible]			
			33	23.	[illegible]			2100216
			34	[illegible]	[illegible]			
		10:49	35	18.	39.			
				00.	00.			2100217
				00.	00.			
				00.	00.			
				00.	00.			2100218

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	210+00, West	INSHORE
TBM	0.60	16.45		15.85	TBM 210+00, 479.93 off, 2x2 4N, F.E.	
					π @ 202+00, Sight on 210+00	
#1			0.9	+15.6'	2°11' West	Sand
#2			1.6	+14.9'	4°55' "	"
#3			3.1	+13.4'	5°10' "	"
#4			4.6	+11.9'	7°00' "	"
#5			5.6	+10.9'	8°10' "	"
T.P.			9.65	6.80		
	3.83	10.63				
#6			9.8	+0.8'	12°30' "	Water
#7			14.2	-3.6'	17°28' "	"
#8			18.0	-7.4'	21°34' "	"
T.P.			3.84	6.79		
	10.40	17.19				
TBM			1.36	15.83	TBM 210+00 above	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 03002 Division No. 11 F. B. 2814 PG. 105
Date ____ Date ____ Survey of Shoreline Hydro, Marina del Rey
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Rogers Notes 1-C-8 Date 12/11/63
Date ____ Date ____ Map No. ____ Indexed G. J. Gray Date ____

76298 S & E #307—7-55

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F. B. 2814 Pg. 106 | Job No. 8300.02 Division No. 11 Notes Red. ____ Plotted ____ Profile No. ____

Survey of Shoreline Hydro Marina Del Rey Date ____ Date ____ X-Sec. No. ____

Survey by C. Adams Notes C. Adams Notes Chkd. ____ Checked ____

Indexed ____ Date 12-12-63 Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	210+00 East		Inshore
T.B.M.	373	1958		1585	T.B.M. 210+00	479.93	off 2x2 in F.B.
					⊼ on 206+00 sight		on 210+00
#1			49	147	7° 57'	East	Sand
#2			66	130	14° 13'	"	"
#3			70	126	19° 40'	"	"
#4			74	122	25° 46'	"	"
#5			69	127	31° 40'	"	"
#6			48	148	35° 56'	"	"
#7			33	163	41° 33'	"	"
#8			28	168	45° 21'	"	"
#9			54	142	49° 52'	"	"
T.B.M.			373	1585	210+00	479.93	off 2x2 in F.B.

Profile No.	Notes Red.	Plotted	Job No. 0300.02	Division No. 11	F. B. 2814	Pg. 107
	Date	Date	Survey of SHORELINE HYDROGRAPHIC SURVEY			
X-Sec. No.	Notes Chkd.	Checked	Survey by C. ADAMS	Notes ADAMS	Date 12-16-63	
	Date	Date	Map No.	Indexed	J. GALLI	Date [redacted]

J.N. 0300.02
LEVELS FOR
BEACH EROSION
OFFSET LINE

0+00 TO 210+00

NOTE: THESE LEVELS ARE BASED ON M.L.L.W DATUM. = MEAN SEA LEVEL +2.800

DEC. 16, 1963

C. ADAMS
R. SWAN
B. JACKSON
E. TINDELL

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

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700 Los Angeles County Engineering Bldg.

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78298 S & E #307—7-55

76298 S & E #307—7-55

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 27-4	536	3261		2725		B.M. 27-4 Elev 24.453 + 2.80 = 27.253 M.L.L.W. Fd. U.S.C&G. brass tablet set Virt. in Conc. wall, Standard Oil Salt water pumping Station S.W. Cor. mked. B768-1945 F.B. 2100 - Pg 167
0+00 N&S.	450	3008	703	2558		0+00 N&S Fd. City Eng. brass tablet set in Conc 36" deep stamped 0+00 N&S F.B. 2100-11-168 Elev 25.598 M.L.L.W.
T.P.	197	2653	552	2456	set 1x2	
"	131	2178	606	2047	" "	
	375	1969	584	1594	" "	
8+00 400' west	480	1909	540	1429	" 2x2 &n	
10+00 "	416	1925	400	1509	" 1x2 &n	
12+00 "	440	1893	472	1453	" 2x2 &n	
T.P.	522	1981	434	1459	" 1x2	
16+00 400' west	541	2061	461	1520	" 2x2 &n	
T.P.	402	2106	355	1706	" 1x2	
20+00 400' west	475	2066	515	1591	" 2x2 &n	
T.P.	534	2145	455	1611	" 1x2	
24+00 400' west	524	2183	486	1659	" 2x2 &n	
T.P.	465	2279	369	1814	set 1x2	
"	539	2749	069	2210	" "	
"	599	3333	015	2734	" "	
"	609	3922	020	3313	" "	
"	610	4520	012	3910	" "	

Profile No. ____ X-Sec. No. ____

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Date 12-16-63 Notes Chkd. ____ Date ____

Job No. 0300.20 Division No. 11

Survey of SHORELINE HYDROGRAPHIC SURVEY

Survey by C. ADAMS Notes C. ADAMS Date ____

Indexed E. J. GALLI Date ____

F. B. 2814 Pg. 108

76298 S & E #307—7-55

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STATION	B. S.	H. I. 45.20	F. S.	ELEV.		
T.P.	337	45 13	344	4176	Set 1 x 2	
B.M. 27-5	597	4572	538	3975	B.M. 27-5 El. 36.98 + 2.80 = 39.78	
T.P.	018	4004	586	3986	set 1 x 2	
"	041	3431	614	3390	" "	
"	102	2927	606	2825	" "	
"	109	2440	596	2331	" "	
"	377	2242	575	1865	" "	
28+00 400' west	427	2148	521	1721	set 2 x 2 & n	
32+00 400' west	420	1984	584	1564	" " "	
36+00 400' west	416	2061	339	1645	" " "	
40+00 400' west	379	1976	464	1597	" " "	
44+00 400' west	661	2133	504	1472	" " "	
T.P.	575	2343	365	1768	" 1 x 2	
"	1014	3352	005	2338	" "	
N-1	158	3338	172	3180	N-1 Fd Brass tablet Mon. Set in Conc Dn 6" El. 31.896 M.L.L.W. F.B. 2100-39-169	
T.P.	061	2816	583	2755	set 1 x 2	
"	003	2340	479	2337	" "	
"	261	2034	567	1773	" "	
48+00 400' west	509	1926	617	1417	set 2 x 2 & n	
52+00 400' west	563	1879	610	1316	" " "	
56+00 400' west	500	1862	517	1362		

Profile Notes Red. ____ Plotted ____ Job No. 0300.20 Division No. 11 F. B. 2814
No. ____ Date ____ Date ____ Survey of SHORELINE HYDROGRAPHIC SURVEY Pg. 109
X-Sec. Notes Chkd. ____ Checked ____ Survey by CABALLERO Notes CAPT. Date
No. ____ Date ____ Date ____ Map No. ____ Indexed J. GALI Date

76298 S & E #307—7-55

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F. B. 2814 Pg. 110 | Job No. 0300 02 Division No. 11 | Notes Red. | Plotted | Profile No.
Survey of SHORELINE HYDROGRAPHIC SURVEY | Date 12-16-63 | Date | X-Sec. No.
Survey by C. ADAMS | Notes C. ADAMS | Notes Chkd. | Checked | Date
Indexed | Date | Date

STATION	B. S.	H. I. 1862	F. S.	ELEV.		
60+00 400' west	480	1845	497	1365	set 2x2 & n	
64+00 400' west	494	1835	504	1341	" " "	
68+00 400' west	491	1878	448	1387	" " "	
72+00 400' west	395	1883	390	1488	" " "	
76+00 400' west	423	1779	527	1356	" " "	
80+00 400 west	435	1780	434	1345	" " "	
82+00 400' west	423	1730	473	1307	" " "	
84+00 400 west	577	1863	444	1286	" " "	
T.P.	665	1990	538	1325	set 1x2	
"	529	2515	004	1986	" "	
N-2	182	2585	112	2403	N-2 Fd. 4" brass Cap mon set in Conc. dn 8" in gravel Rd. Elev. 24.111 F.B. 2100-170	
T.P.	100	2291	394	2191	set 1x2	
"	198	1856	633	1658	" "	
88+00 400' west	453	1831	478	1378	set 2x2 & n	
92+00 400' west	350	1847	334	1497	" " " "	
96+00 400 west	296	1692	451	1396	" " " "	
100+00 400' west	442	1928	206	1486	set L & T in Granite boulder in Groin	
100+00 550' west	478	1983	423	1505	set 2" I.P. Conc. & tag dn. 6" on Groin	
T.P.	502	1921	564	1419	set 1x2	
104+00 550 west	551	1998	474	1447	set 2x2 & n.	
108+00 550 west	433	1961	470	1528	" " " "	

76298 S & E #307—7-55

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STATION	B. S.	H. I. 19 (01)	F. S.	ELEV.		
113+00 550' west	456	1867	550	1411	set 2x2 & n	
116+00 550' west	154	1503	518	1349	" " " "	
T.P.	640	2129	019	1489	set 1x2	
"	615	2736	003	2121	" "	
N-3	243	2653	326	2410	N-3 Fd. 4" brass cap mon set in Conc dn 14" of Gravel Rd	Elev. 24.146 F.B. 2100-117
T.P.	030	2073	610	2043	set 1x2	
T.P.	094	1573	594	1479	Set 1x2	
120+00 550' West	491	1875	189	1384	Set 2x2 & N.	
124+00 550' West	378	1881	372	1503	" " "	
128+00 550' West	452	1843	490	1391	" " "	
132+00 550' West	440	1908	375	1468	" " "	
136+00 550' West	402	1812	498	1410	" " "	
140+00 550' West	444	1745	511	1301	" " "	
144+00 550' West	549	1829	465	1280	" " "	
148+00 550' West	398	1742	485	1344	" " "	
T.P.	579	2009	312	1430	1x2	
N-5	481	1982	508	1501	N-5 Fd. STD. 2" BRASS DISC. IN CONC. 3" BELOW SURFACE FB 2100-172	El = 15.03
T.P.	425	1806	601	1381	SET 1x2 & N.	
152+00 501.73 West	513	1883	436	1370	Set 2x2 & N.	
156+00 501.73 West	564	1944	503	1380	"	
160+00 501.73 West	308	1749	503	1441	"	

Profile Notes Red. ____ Plotted ____ Job No. 0380 Division No. 11 F. B. 2814 Pg. 111
No. ____ Date ____ Date ____ Survey of SHORELINE HYDROGRAPHIC SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 12-16-63
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

76298 S & E #307—7-55

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F. B. 2814 Pg. 112 | Job No. 0300.20 Division No. 11 | Notes Red. | Plotted | Profile No.
Survey of SHORELINE HYDROGRAPHIC SURVEY | Date 12-16-63 | Date | X-Sec. No.
Survey by C. ADAMS | Notes C. ADAMS | Checked
Indexed | Date | Notes Chkd. | Date | Date

STATION	B. S.	H. I. 1749	F. S.	ELEV.		
164+00 501.73 WEST	482	1797	434	1315	SET 2×2 & Nl.	
168+00 501.73 WEST	462	1756	503	1294	" " "	
172+00 501.73 WEST	480	1772	464	1292	" " "	
176+00 501.73 WEST	462	1782	452	1320	" " "	
180+00 501.73 WEST	482	1776	488	1294	" " "	
182+00 501.73 WEST	482	1797	461	1315	" " "	
T.P.	614	1893	518	1279	SET 1×2 & Nl.	
T.P.	337	2071	159	1734	" " " "	
BM27-15A	585	2112	544	1527	Fd. F.D. CONTROL BRASS MON. IN CONC. MKD. REF BM 15-38 6" dwn. S.Estly SIDE PACIFIC AVE. BRIDGE FB 2100-173	1948 El. = 15.18 MLLW
T.P.	031	1531	612	1500	Spk in Conc. Wall	
184+00 479.93 West	383	1587	327	1204	Set 2×2 & n.	
185+95 479.93 West	584	1502	669	918	" " " "	
T.P.	580	1839	243	1259	Set 1×2	
"	480	2106	213	1626	" "	
BM27-15A			579	1527	Fd. F.D Control BRASS Mon in Conc Mked Ref BM 1538 1948 Dn 6" S.Estly side PACIFIC AVE BRIDGE FB 2100 173 Elev 15.18 MLLW.	
N-11	562	1937		1375	fd. 4" BRASS CAP. MON SET IN WELL 8" BELOW SURFACE OF WALK. F.B. 2100-174	
T.P.	518	1979	476	1461	SPK IN WALK	
T.P.	521	2004	496	1483	" " "	
T.BM.	294	1808	490	1514	SPK. IN ROCK	

76298 S & E #307—7-55

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STATION	B. S.	H. I. 18.88	F. S.	ELEV.		
202+00 479.93 WEST	4 52	18 96	3 64	1444	Set 2x2 & N.L.	
204+00 479.93 WEST	4 54	19 20	4 30	1466	" " "	
206+00 479.93 WEST	4 93	19 76	4 37	1423	" " "	
208+00 479.93 WEST	4 99	20 55	4 20	1556	" " "	
210+00 479.93 WEST	3 40	19 25	4 70	1585	" " "	
N-12			4 84	1441	LEAD & TACK IN WALK EB 2100-174	EL = 14.388

Profile No. ____ Sec. ____ Notes Red ____ Date ____ Notes Chkd ____ Date ____ Plotted ____ Date ____ Checked ____ Date ____ Job No. 0300.20 Division No. 11 Survey of SHORELINE HYDROGRAPHIC SURVEY Survey by [illegible] Notes [illegible] Date [illegible] Map No. ____ Indexed [illegible] Date ____

F. B. 2814 Pg. 113

F. B. 2814 PG. 114

Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed E. J. GALL Date Date Date No.

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

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76298 S & E #307—7-55

Notes Ck'd by	Survey of S.L HYDRO SURVEY
Map No.	JN 0300.02 Tape/93 Std 84 °F
Office Work	Surveyed by C. Adams
Checked	Notes C. Adams Date 12-10-63
Date	Indexed J. G. DEC 23 63

F. B. 2814 PG. 115

J. N. 0300.02
SHORELINE HYDROGRAPHIC SURVEY
MARINA DEL REY
REPLACEMENT OF CONTROL
LINE FROM 0+00 N&S to N-11

Dec. 9, 1963
C.W. Adams
R. Svann
B. Jackson
E. Tindell

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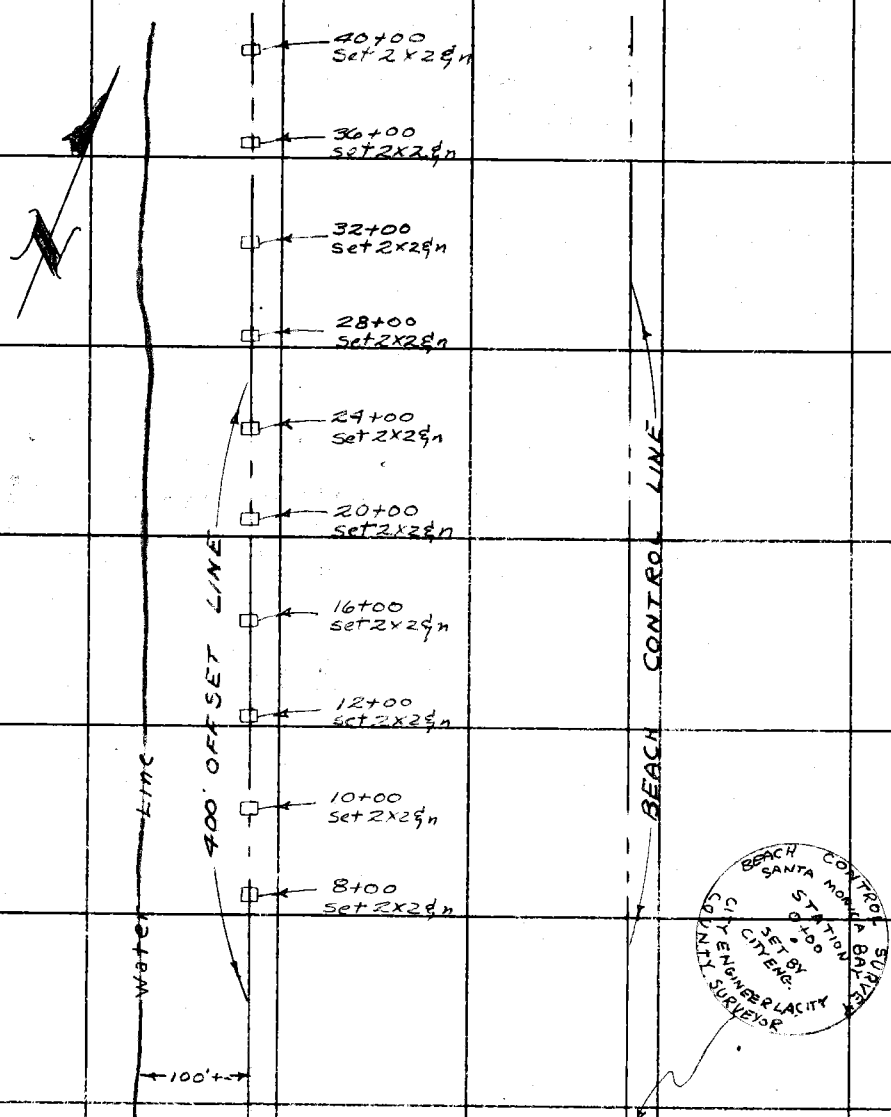
76F309S S&E #247 1-56

F. B. 2814 PG. 116

Cont to bot pg. 117



0+00 N 400' offset
SET 2" I.P. Conc. &
C.E. TAG DN. 24"

FD. 2" I.P. Conc. &
C.E. TAG. DN. 30"
F.B. 2100 Pg. 11-203

0+00 N&S.
FD. 3½" BRASS TAB.
IN CONC. STAMPED
"L.A. CITY ENG.
0+00" DN. 30"
F.B. 2100 Pg. 11-203

T = 68°
175.55 @ Lev. = 175.54
8.42 @ " = 8.42
183.96

T = 68°
204.30 @ 3°10 = 203.97 = 203.96
204.33 @ 3°20 = 203.96
12.08 @ Lev = 12.08
216.04

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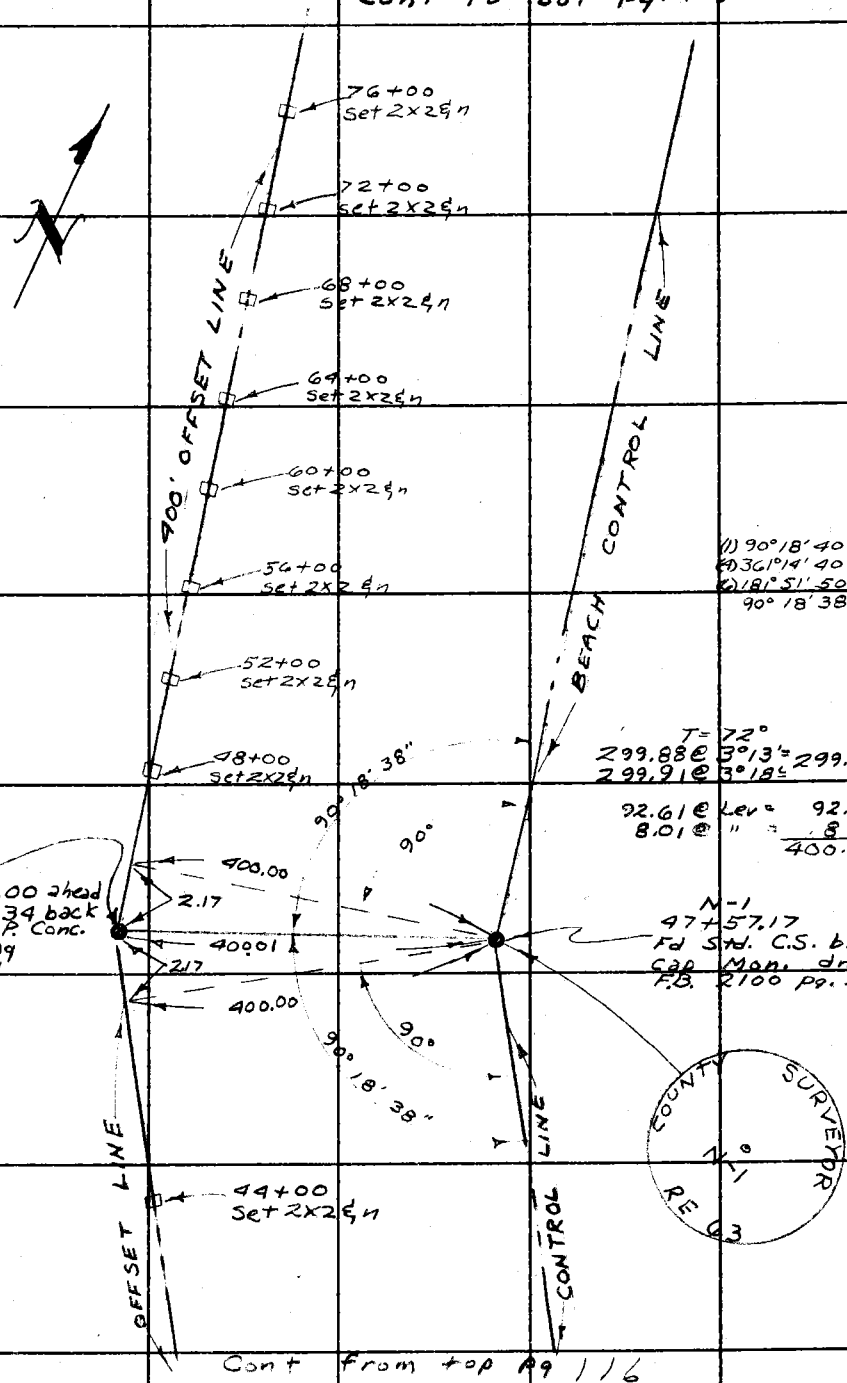
Notes Ck'd by	Survey of S.L. HYDRO SURVEY
Map No.	JN 03000 2 Tape/93 Std 84 °F
Office Work	Surveyed by C. Adams
Checked	Notes C. Adams Date 12/11/63
Date	Indexed J. GALI

F. B. 2814 PG. 117

Cont to bot pg. 118



Cont from top pg 116

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76F3085 CE # 310 3-61

F. B. 2814 Pg. 118

Cont to bot. pg. 119

T=70°
300.80 @ Lev. = 300.77
300.40 @ " = 300.37
300.71 @ " = 300.68
300.60 @ " = 300.57
56.96 @ " = 56.96
1259.35

116+00 Set 2x2 ⅝n

113+00 set 2x2 ⅝n

108+00 set 2x2 ⅝n

104+00 set 2x2 ⅝n.

550' offset Line

100+00 -400 off set L.S.T. in granite boulder

150.00

100+00 550' off Set 2" I.P., C.E. tag. & Conc. in Rock Groin dn. 6"

96+00 set 2x2 ⅝n

92+00 set 2x2 ⅝n.

88+00 set 2x2 ⅝n

400' off LINE

(1) 90°00'00"
(4) 360°00'00"
(6) 90°00'00"
90°00'00"

90°

87+47.94 ahead
87+33.36 back
Set 2" I.P. Conc. & C.E. Tag dn. 24"

400.00
400.07
400.00
90°

124.37 @ Lev. = 124.36
265.72 @ " = 265.70
10.01 @ " = 10.01
400.07

84+00 set 2x2 ⅝n

82+00 set 2x2 ⅝n

80+00 set 2x2 ⅝n

400' off LINE

N

T=70°
105.56 @ Lev. = 105.55
285.78 @ " = 285.75
8.70 @ " = 8.70
400.00

T=72°
150.00 @ Lev. = 150.00

100+00 Set 1x2 ⅝n

LINE

90°00'00"

BEACH CONTROL

1259.35

88°57'22"

BEACH CONTROL LINE

729

N-2
87+40.65
Fd C.S. brass Cap Mon dn. 12" F.B. 2100 pg. 91-200

729

88°57'22"

(1) 88°57'20"
(4) 355°49'30"
(6) 122°44'10"
88°57'22"

BEACH CONTROL LINE

SURVEY CONTROL LINE
SANTA MONICA BAY
STATION
N-2
SET BY CITY ENGINEER
CITY ENGINEER
COUNTY SURVEYOR L.A. COUNTY

Cont. from top pg 117

LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
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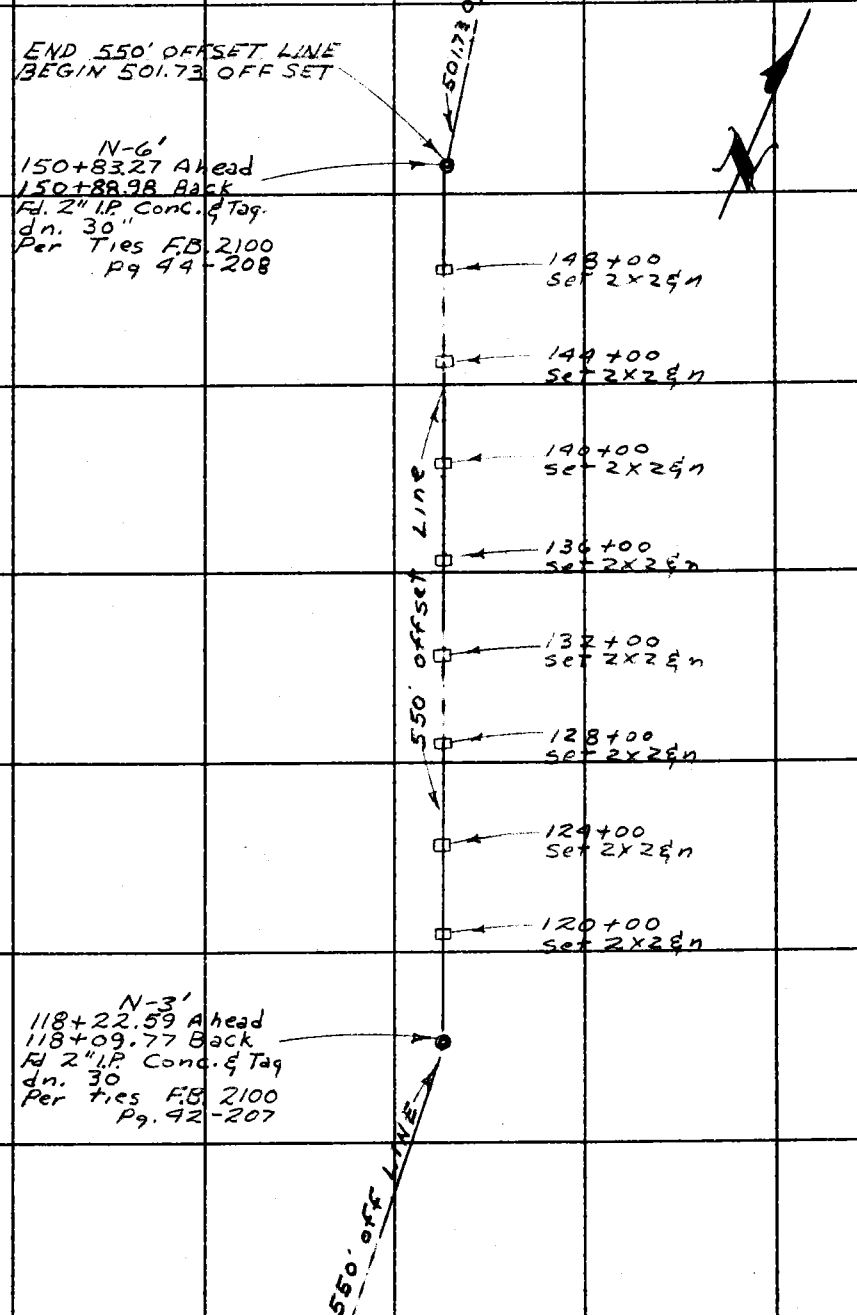
Notes Ck'd by	Survey of S.L. HYDRO. SURVEY
Map No.	JN 030002 Tape 193 Std. 84 °F
Office Work	Surveyed by C. Adams
Checked	Notes C. Adams Date 12,15,63
Date	Indexed C. J. GAtt

F. B. 2814 PG. 119

Cont to bot Pg 120



Cont. from top Pg. 118

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76F3095 CE # 310 3-61

F. B. 2814 Pg. 120

Cont. to bot. Pg. 121

479.93 OFF

END 501.73 OFFSET LINE
BEGIN 479.93 OFFSET LINE

N-10'
183+50.44 Back
183+51.73 Ahead
Fd. 2" I.P. Conc. & Tag
dn. 24"
Per F.B. 2100
Pg 47-210

182+00
Set 2x2 & n

180+00
Set 2x2 & n

176+00
Set 2x2 & n

172+00
Set 2x2 & n

168+00
Set 2x2 & n

164+00
Set 2x2 & n

160+00
Set 2x2 & n

156+00
Set 2x2 & n

501.73 OFFSET LINE

BEACH CONTROL LINE

N-7'
155+87.04 Ahead
155+46.80 Back
Fd 2" I.P. Conc. & tag
dn. 24"
Per Ties F.B. 2100
Pg 45-209

152+00
Set 2x2 & n

501.73 OFF

Cont from top pg. 119

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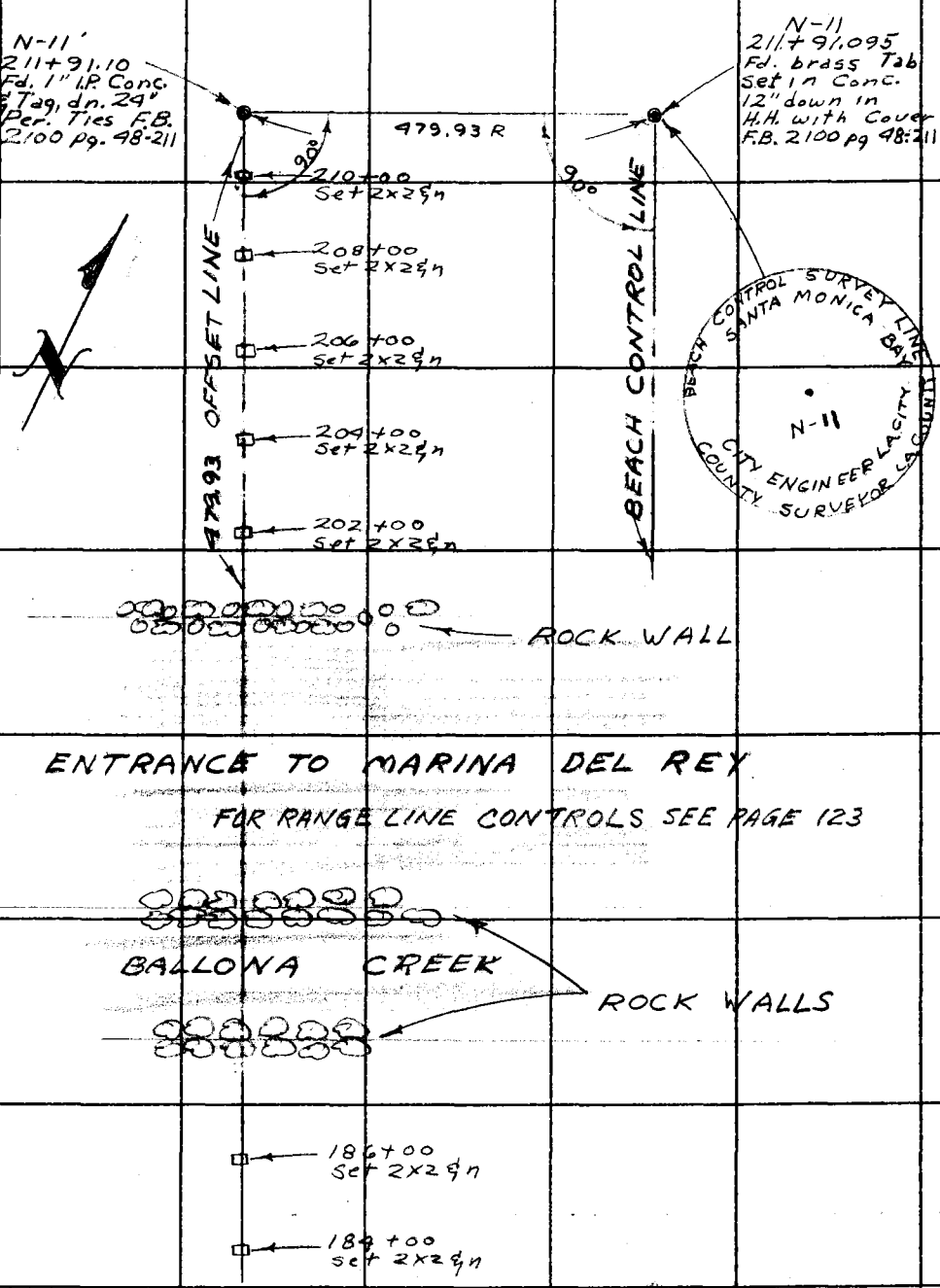
Notes Ck'd by	Survey of S.L. HYDRO SURVEY
Map No.	JN 03090 2 Tape 193 Std 84 °F
Office Work	Surveyed by C Adams
Checked	Notes C. Adams Date 12/6/63
Date	Indexed R. J. GALL

F. B. 2214 PG. 121



Cont. from top pg. 120

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76F3095 CE # 310 3-61

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F. B. 2814 Pg. 122

78E3095 C.E. #330 8-62

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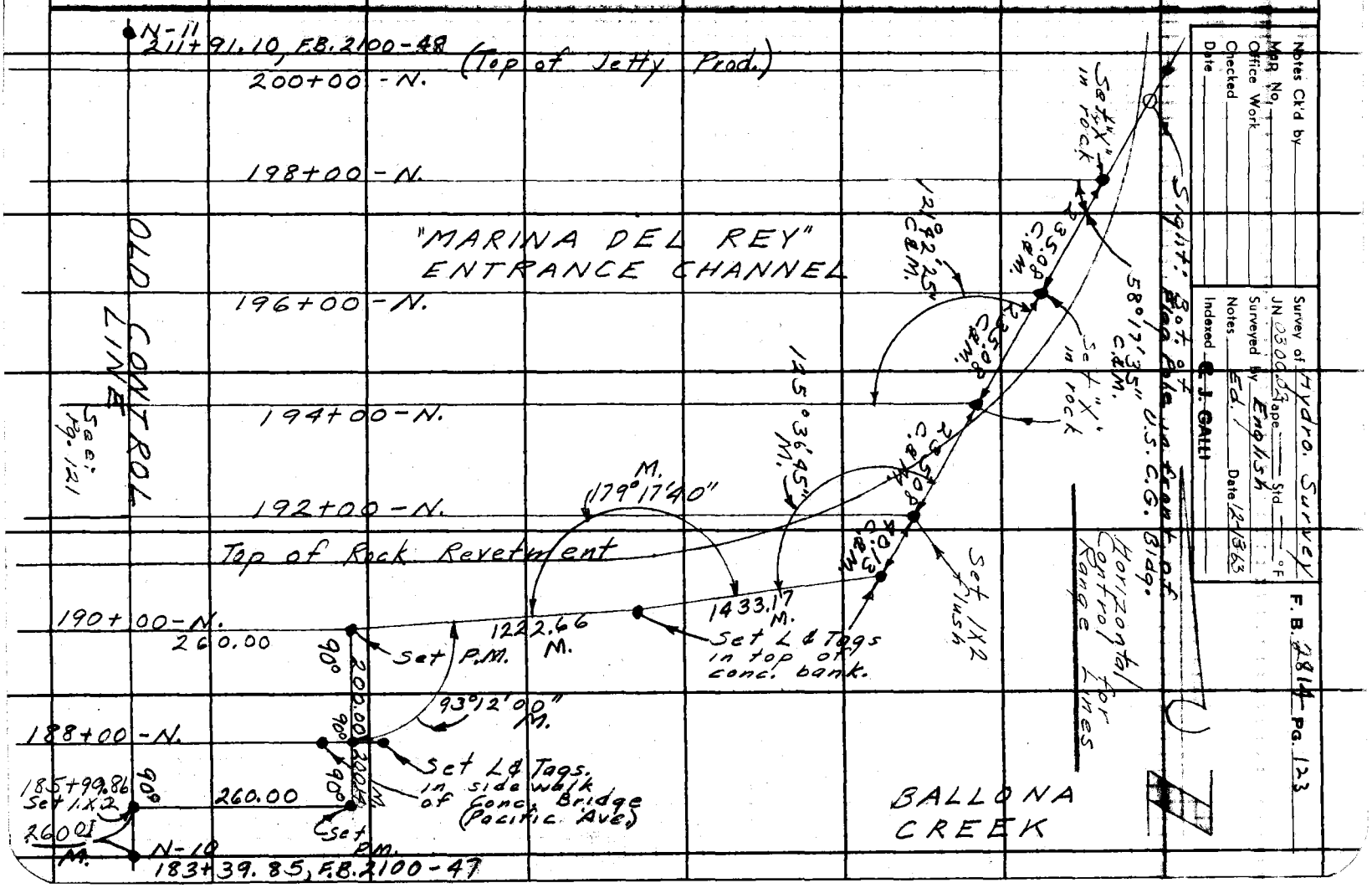

Notes Ck'd by _____
MBR No. _____
Office Work _____
Checked _____
Date _____

Survey of Hydro. Survey
JN 2300-23 Tape _____ Std _____ °F
Surveyed by Ed. English
Notes _____ Date 12/13/63
Indexed C. J. Gatti

F.B. 2814 Pg. 123

F. B. 2814 PG. 124

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76F309S CE # 310 3-61

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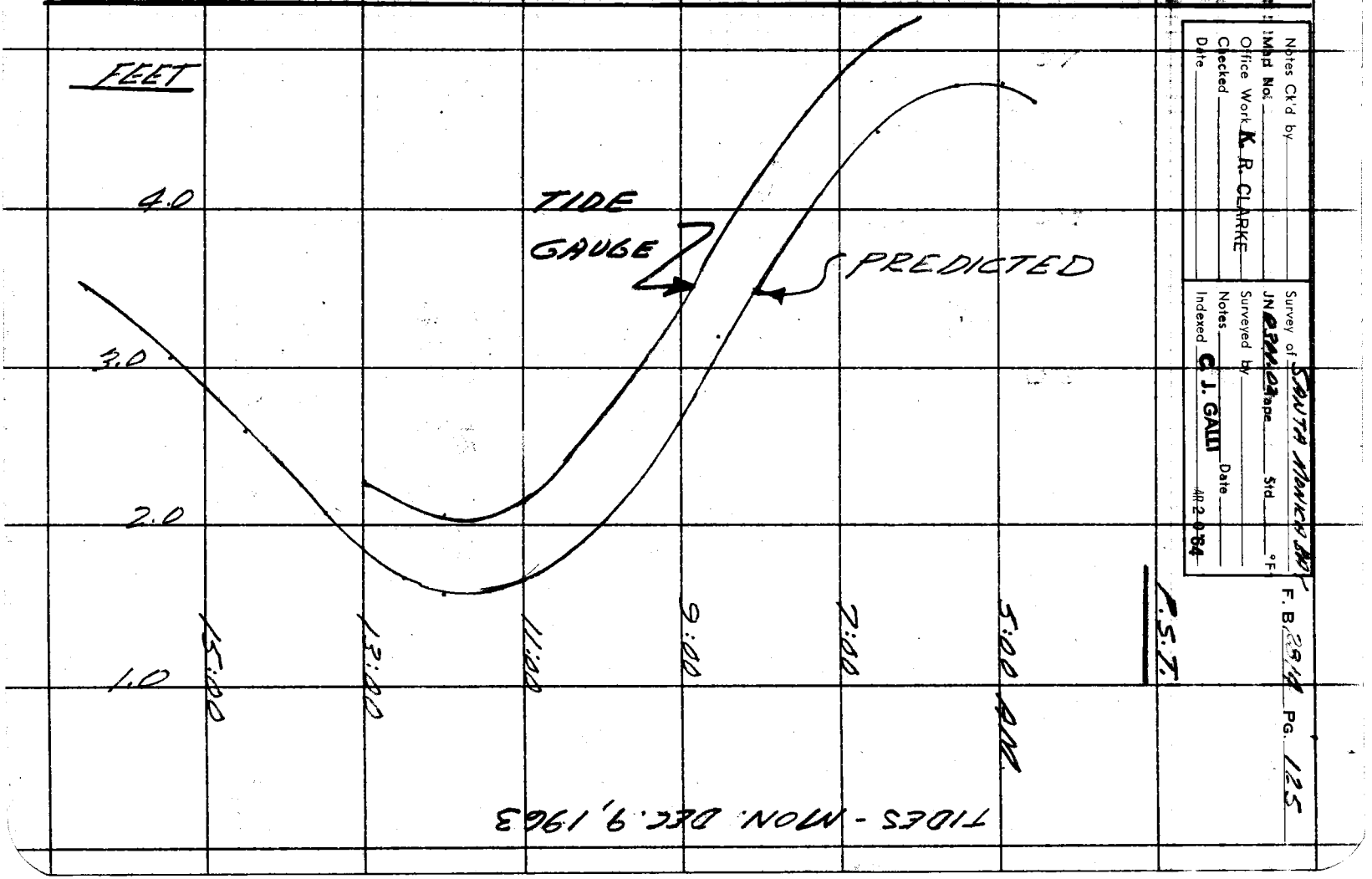

Notes Ck'd by _____
Mbd No. _____
Office Work K. R. CLARKE
Checked _____
Date _____

Survey of SOUTH MONICA BAY
JN 2 2 1964 Tape _____ Std. _____ °F
Surveyed by _____
Notes _____ Date _____
Indexed G. J. GALLI APR 2 0 '64

F. B. 2814 PG. 125

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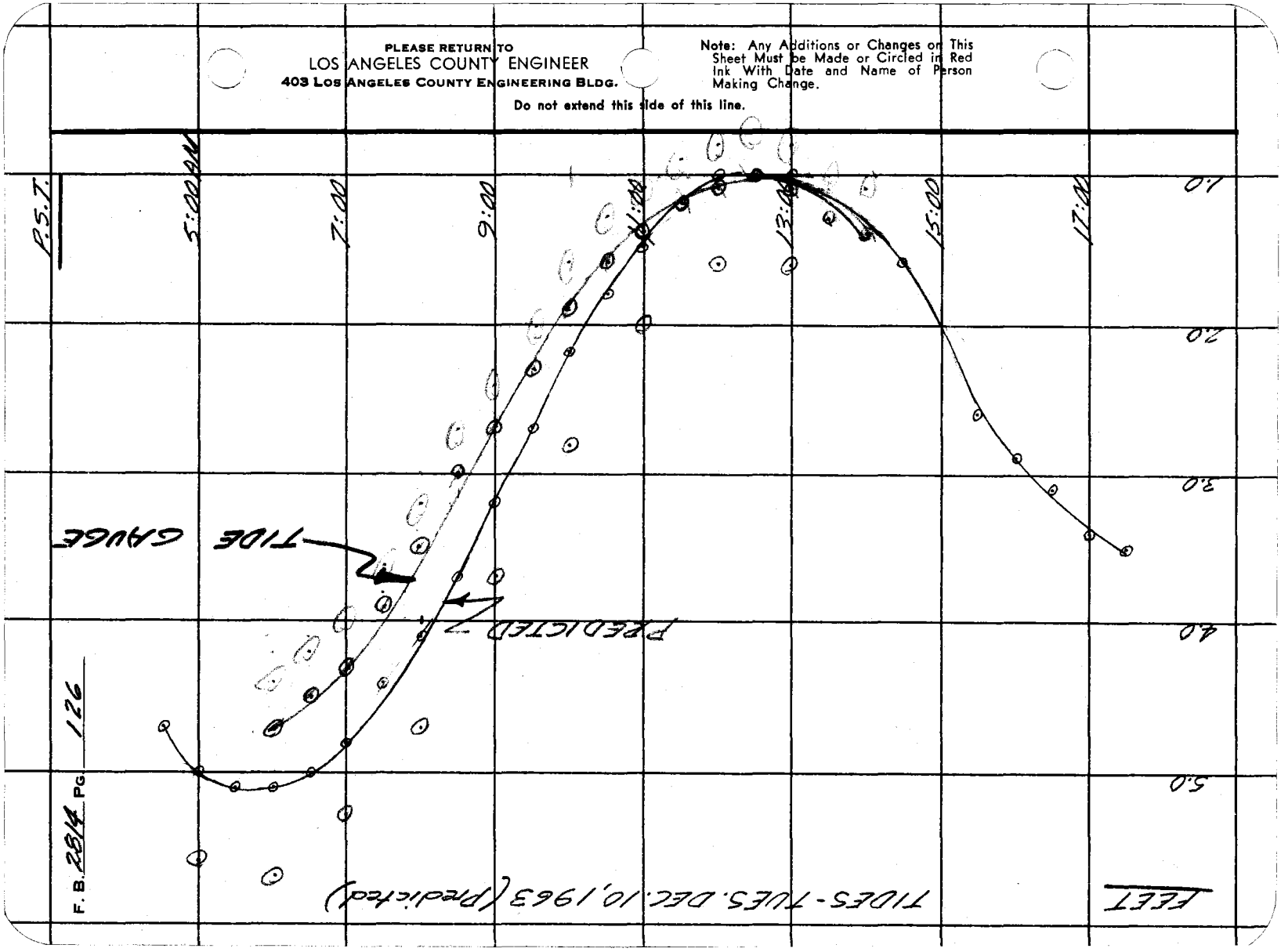
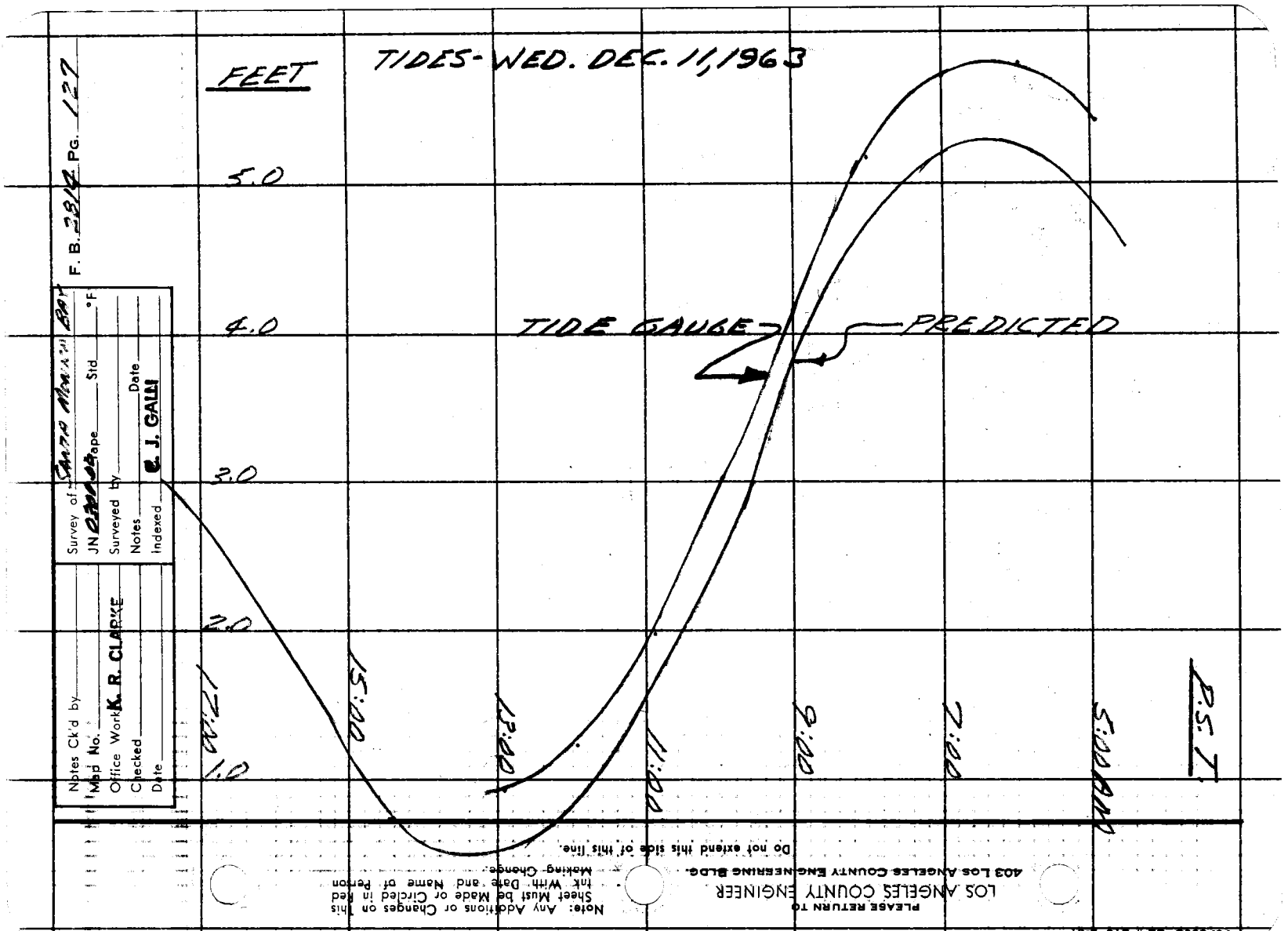


F. B. 2814 PG. 126


TIDES-WED. DEC. 11, 1963
FEET
5.0
4.0
3.0
2.0
1.0
TIDE GAUGE
PREDICTED
12:00
15:00
18:00
21:00
00:00
3:00
6:00
9:00
PST
Survey of SANTA MONICA BAY
JN
Tape
Std
°F
Surveyed by
Date
Notes
Indexed
E. J. GALLI
Notes Ck'd by
Map No.
Office Work K. R. CLARKE
Checked
Date
F. B. 2812 PG. 127
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76F3095 CE # 319 3-61

F. B. 2814 PG. 128

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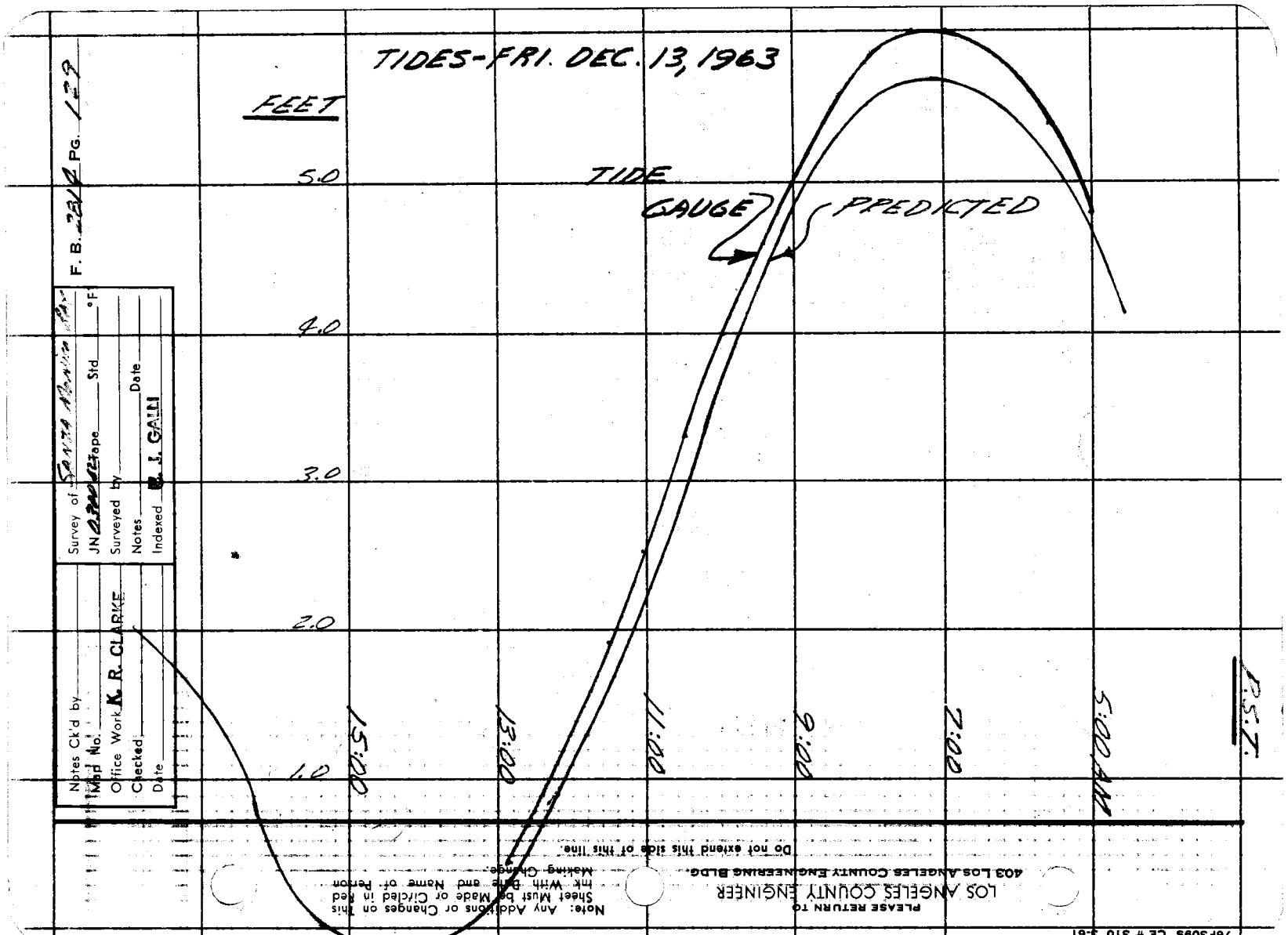
TIDES-FRI. DEC. 13, 1963
FEET
5.0
4.0
3.0
2.0
1.0
TIDE GAUGE
PREDICTED
5:00 AM
7:00
9:00
11:00
13:00
15:00
P.S.T.
F. B. 2314 PG. 123
Survey of SANTA MONICA BAY
JN 2300 Tape ___ Std ___ °F
Surveyed by ___ Date ___
Notes ___
Indexed R. I. GALLI
Notes Ck'd by ___
Map No. ___
Office Work K. R. CLARKE
Checked ___
Date ___
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76F309S CE # 310 3-61

F. B. 2814 PG. 130

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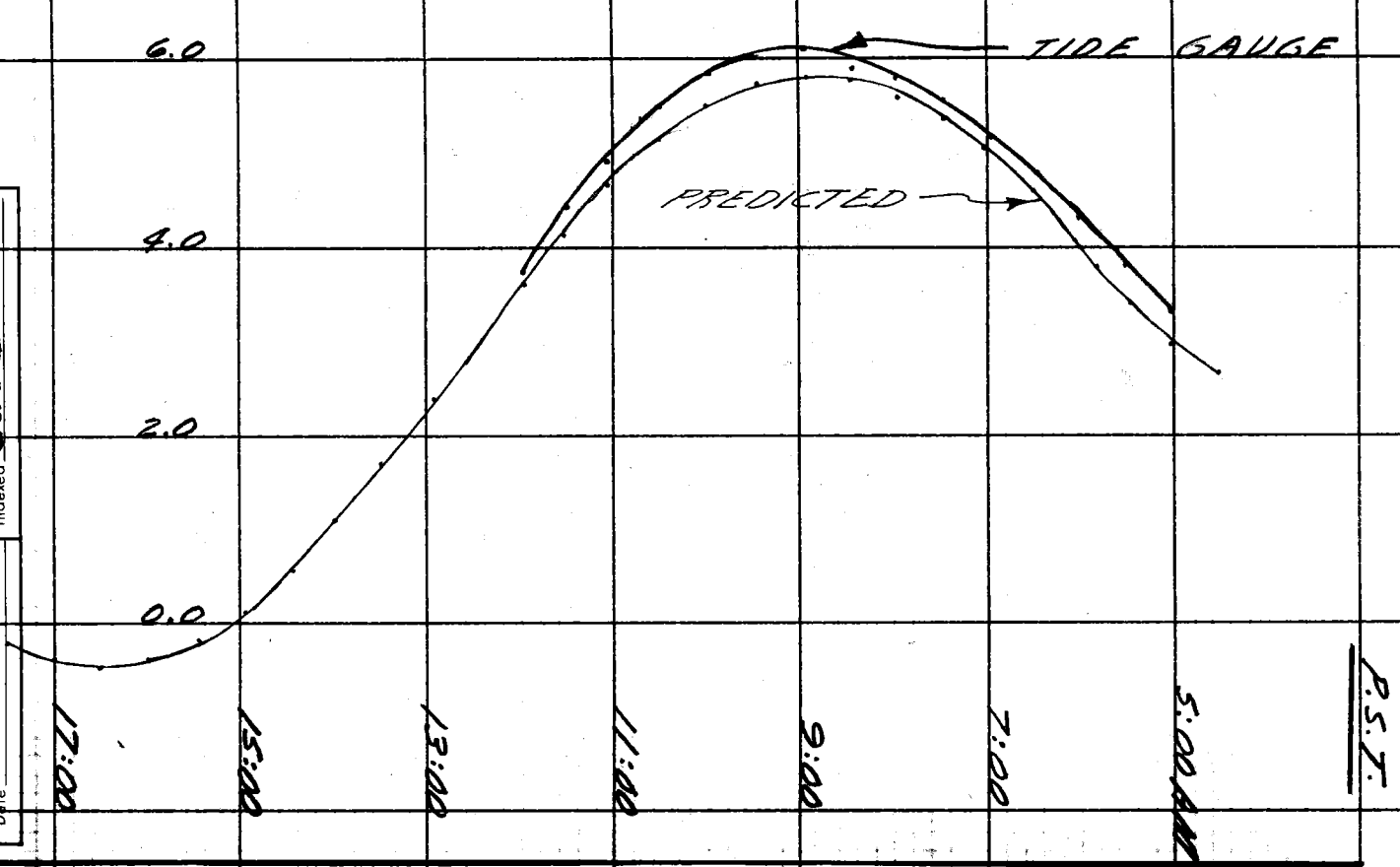
TIDES - TOES. DEC. 17, 1963



F. B. 2814 PG. 131

Survey of Santa Monica Bay

JN 3300 Tape ___ Std ___ °F

Surveyed by ___

Notes ___ Date ___

Indexed C. J. GALLI

Notes Ck'd by ___

Map No. ___

Office Work K. R. CLARKE

Checked ___

Date ___

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76F309B CE # 310 3-61

F. B. 28M PG. 132