Red _____ Plotted _____
Date _____
Chkd _____ Checked _____
Date _____

HYDROGRAPHIC SURVEY

FOR

BEACH EROSION STUDY

~ 1948 ~

Cont'd From F.B. 1501 - Pg 2[illegible]

Range Line Profiles Are
From Sta. 158+00(N)
To " 315+00(N), Incl.
J.N. 8412. Nov. 10 - Dec. 6, 19[illegible]

Shore Work & Profiles By:
L.A. City Engr'ng Dept
See F.B. 21415
For R. Lines
158+00(N) To
196+00(N) Incl.

Offshore Profiles By:
G. Kleinecke
J. Moore
R. Mitchell
S. Holiscky
H. Raphael
T. McBroom
E. Mankey, Jr.

F.B. 21422
For R. Lines
198+00(N). to
295+00(N)

Microfilmed Sept '87

F.B. ?
For R. Lines
297+00(N) to
315+00(N), Incl.

F.B. Vol. 2

Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		

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. 10078 Pg. 3

F.B. 1507 PG. 4

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. _____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
158 +00 (N)	N-7	1	R	10:44	89° 40'	RANGE LINE ∡ = 90°
		2	Y		89° 40'	
		3	B		89° 40'	
		4	Y		89° 05'	
		5	B		90° 45'	
	"	6	R	10:47	89° 45'	
		7	Y		90° 00'	
		8	B		89° 40'	
	"	9	Y		90° 00'	
		10	B		89° 45'	
	"	11	R	10:49	89° 40'	
		12	Y		89° 30'	
		13	B		89° 15'	
		14	Y		90° 00'	
ON 700' OFFSET TO LEFT	700'	—				
	"					

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 160 Pg. 5

X-Sec. No. ____ Date ____ Checked ____ Date ____ Map No. ____ Checked ____ Date 12-7-48

Range 158+00 (N)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.	
Inst. Height At [illegible]	#	Color	Time	Hor. Ang.	Remarks
00	1	R	11 15	33915	Range line 160+00(N) going out.
	2	Y		33740	
	3	B		33735	
	4	Y		33625	
	5	B		33525	
"	6	R	11 18	33410	
	7	Y		33215	
"	8	B		33030	
	9	Y		32930	
"	10	B		32755	
	11	R	1123	32705	
"	12	Y		32525	
	13	B		32250	
	14	Y		31625	
"	15	B		30900	
	16	R	1130	30450	
	17	Y		29930	
	18	B		29605	
	19	Y	1135	29225	
	20	B			

Cut-in 160+00(N) OFFSET 700 TO THE LEFT

F.B. [illegible] Pg. 8

Survey of [illegible] Division No. [illegible] Notes Red. Plotted Profile

Survey by [illegible] Notes S.H. 11/20/48 Date Date Date No. X-Sec.

Indexed A. C. [illegible] Date Notes Chkd. Checked Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.			
#	Color	Time	Meas. Depth	Bottom Tide	Ht. Adj. Depth			Remarks
1	R	~~10:45~~	8 0	65	31	3.4	Range	158 + 00 (N)
2	Y	9:45	5 8	87	31	5.0		
3	B		8 7	89	31	5.8		
4	Y		7 8	100	31	6.9		
5	B		10 8	124	31	9.3		
6	R	~~10:47~~	11 3	136	31	10.5		
7	Y	9:47	9 4	152	31	12.1		
8	B		13 2	163	31	13.2		
9	Y		12 0	185	31	15.4		
10	B		14 8	204	31	17.3		
11	R	~~10:49~~	13 0	216	31	18.5		
12	Y	9:49	16 3	240	31	20.9		
13	B		14 7	258	31	22.7		
14	Y		16 8	291	31	26.0		
15	B		16 0					
16	R		19 4					
17	Y		18 1					
			21 3					
			20 0					
			22 3					
			21 3					
			25 0					
			23 5					
			26 8					
			25 3					
			30 2					
			28 5					

Boat

Profile No. ____ Notes Red M.J. Plotted ____ Job No. 841 Division No. ____ F.B. 402 Pg. 9

X-Sec. No. ____ Date 12-8-48 Date ____ Survey of [illegible]

Notes Chkd ____ Checked ____ Survey by [illegible]

Date ____ Date ____ Map No. ____ Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____
Job No. 5417 Division No. ____ Notes Red. ZM-7 Plotted ____ Date 12-8-48
Survey of Marina Entrance Notes Checked ____ Date ____
Survey by C. Johnson Notes Child ____ Date ____
Indexed ____ Date ____
F.B. 1602 Pg. 1/0

STATION		B. S.	Hgt. Meas.	F. S.	ELEV. Ft.			Remarks
#	Color	Time	Depth	Botom	Tide	Adj. Depth		
1	R	11:15	5.0	4.3	29	1.4	Range	160+00 (N)
2	W	10:15	4.6	6.1	29	3.2		
3	R		7.3	7.3	29	4.4		
4	W		8.8	8.2	29	5.3		
5	R		9.7	9.0	29	6.1		
6	W	11:18	11.0	10.5	29	7.6		
7	R	10:18	13.0	12.2	29	9.3		
8	W		14.5	14.4	29	11.5		
9	R		15.5	14.7	29	11.8		
10	W		17.7	18.0	29	15.1		
11	R	11:23	19.8	18.6	28	15.8		
12	W	10:23	21.2	20.4	28	17.6		
13	R		22.4	21.8	28	19.0		
14	W		24.2	23.1	28	20.3		
15	R		25.3	24.0	28	21.2		
16	R	11:29	27.1	25.2	28	22.4		
17	Y	10:29	26.9	26.5	28	23.7		
18	B		29.7	27.8	28	25.0		
19	Y		32.9	29.5	28	26.7		

Range 160+00 (N) 1601+00 (N) Est.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
162 +00 (N)	N-7"	1	R	7:56	93° 10'	RANGE LINE ∡ = 90°
		2	Y		90° 00'	
		3	B		91° 50'	
		4	Y		91° 15'	
		5	B		90° 00'	
		6	R	7:59	92° 25'	
	=	7	Y		90° 25'	
		8	B		89° 20'	
		9	Y		88° 20'	
	=	10	B		89° 50'	
		11	R	8:02	89° 05'	
		12	Y		87 30'	
	=	13	B		91° 45'	
		14	Y		89° 45'	
		15	B		89° 05'	
	820'	16	R	8:08	89° 50'	
		17	Y		89° 40'	
	=	18	B		89° 45'	
		19	Y		89° 35'	
		20	B		88° 55'	

ON 820' OFFSET TO LEFT.

Range 162+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1502 Pg. 11

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of BEACH EROSION Survey by [illegible] Map No. ____ Date ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
164 +00 (N)	N-7	1	R	8:26	87° 50'	RANGE LINE ∡ = 90°
		2	Y		89° 40'	
		3	B		90° 00'	
		4	Y		89° 40'	
	=	5	B		89° 55'	
		6	R	8:36	89° 35'	
	=	7	Y		89° 15'	
		8	B		90° 30'	
		9	Y		90° 10'	
	=	10	B		90° 35'	
		11	R	8:43	89° 10'	
		12	Y		90° 20'	
		13	B		91° 00'	
		14	Y		89° 25'	
		15	B		91° 50'	
	820	16	R	8:50	92° 00'	
		17	Y		90° 00'	
	=					

Range 164+00 (N) ON 820 OFFSET TO LEFT.

F.B. 1/62 PG. 12 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by KLEINECK Notes H.H.B. 11-12-48 Notes Chkd. Checked
Indexed C. Jordan Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
172+	N-7	1	R	7 55	07° 15	RANGE LINE 162+00 (N)
00(N)		2	Y		06 55	
	"	3	B		07 30	
		4	Y		08 15	
	"	5	B		08 50	
		6	R	7 58	09 35	
	"	7	Y		10 50	
		8	B		11 35	
	"	9	Y		12 45	
	"	10	B		[illegible] 30	
		11	R	8 01	16 10	
		12	Y		16 20	
		13	B		18 05	
	"	14	Y		19 05	
		15	B		23 50	
		16	R	8 08	29 00	
		17	Y		37 20	
		18	B		42 40	
		19	Y		45 45	
		20	B		47 25	

OFFSET 820' TO THE LEFT

Cut-in 162+00(N)

Profile Notes Red ____ Plotted ____ Job No. 8417 Division No. ____
No. ____ Date ____ Date ____ Survey of Road Erosion
K.Sec. Notes Chkd ____ Checked ____ Survey by [illegible] Notes [illegible] Date 11/12/48
No. ____ Date ____ Date ____ Map No. ____ Standard Jordan Date ____

F.B. 1502 Pg. 13

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Sight At	Sight On	F. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
172+00	N7	1	R	8 25	54 50	RANGE LINE 164+00 (N)
		2	Y		54 25	
		3	B		51 40	
	"	4	Y		48 10	
		5	B		40 20	
	"	6	R	8 35	32 55	
		7	Y		25 10	
	"	8	B		21 45	
		9	Y		21 25	
		10	B		19 50	
	"	11	R	8 42	18 20	
		12	Y		16 00	
		13	B		14 20	
	"	14	Y		12 40	
		15	B		10 45	
		16	R	8 50	8 55	
		17	Y		8 25	

OFFSET 820' to the left

Cut-in 164+00 (N)

F.B. 1602 PG. 14 Job No. 8142 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Hemmer Notes M&B 11/12/48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:57~~ 6:57	8.0 6.1	6 7	52	1.5	Range Line 162+00 (N)
2	Y		8.5 6.8	7 4	52	2.2	
3	B		8.9 7.3	7 7	52	2.5	
4	Y		11.5 8.5	9 5	52	4.3	
5	B		11.6 9.7	10 3	52	5.1	
6	R	~~8:00~~ 7:00	12.7 10.5	11 2	52	6.0	
7	Y		13.2 11.8	12 3	52	7.1	
8	B		14.7 12.7	13 4	52	8.2	
9	Y		15.2 13.1	13 8	52	8.6	
10	B		18.2 15.1	16 1	52	10.9	
11	R	~~8:03~~ 7:03	19.8 17.5	18 3	52	13.1	
12	Y		20.3 18.4	19 0	52	13.8	
13	B		22.8 20.6	21 3	52	16.1	
14	Y		24.0 22.5	23 0	52	17.8	
15	B		27.4 24.8	25 5	52	20.3	
16	R	~~8:09~~ 7:09	26.8 25.4	25 9	51	20.8	
17	Y		29.3 26.8	27 6 27 3	51	22.5	
18	B		29.9 27.5	28 3	51	23.2	
19	Y		30.5 29.0	29 5	51	24.4	
20	B	~~8:15~~ 7:15	32.5 29.9	30 8	51	25.7	

Profile No. ____ Date ____ Notes Red M.J. Plotted ____ Job No. 8412 Division No. ✓ F.B. 1502 Pg. 15

X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Survey of Beach Frontage Survey by [illegible] Date 4/12/48

No. ____ Date ____ Date ____ Map No. ____ Tracing ____ Date ____

Boat

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 502 Pg. 16 — Profile — X-Sec.

Job No. E442 Division No. — Notes Red Zm.CK. Plotted — No.

Survey of Beach Erosion — Date 12-8-44 Date — No.

Survey by Mooney — Notes SB Mole 11+12 Notes Chkd — Checked

Indexed by C. Johnson — Date — Date

STATION #	Color	B. S. Time	Hgt. Meas. Depth	F. S. Botom	ELEV. Ft. Tide	Adj. Depth	Remarks
1	R	~~8:27~~	32.5	310'	50	26.0	Range Line 164+00(N)
2	Y	7:27	30.2 32.5	304'	50	25.4	
3	B		29.5 30.6	291'	50	24.1	
4	Y		28.3 30.1	284'	50	23.4	
5	B		27.5 27.6	262'	50	21.2	
6	R	~~8:37~~	25.5 25.8	248'	49	19.9	
7	Y	7:37	24.5 24.3	231'	49	18.2	
8	B		22.5 21.9	208'	49	15.9	
9	Y		20.3 21.4	199'	49	15.0	
10	B		19.1 19.1	178'	49	12.9	
11	R	~~8:44~~	17.2 17.5	161'	49	11.2	
12	Y	7:44	15.9 16.0	141'	49	9.2	
13	B		13.2 13.6	121'	49	7.2	
14	Y		11.4 11.3	107'	49	5.8	
15	B	7:51	10.3 11.5	94'	48	4.6	
16	R	~~8:54~~	~~8.4~~ 8.0	72'	48	2.4	
17	Y	~~8:52~~ 7:52	6.8 ~~5.9~~ 4.4	47'	48	+ 0.1	Boat 1400 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
166 +00 (N)	N-7"	1	R	9:02	88° 50'	RANGE LINE ∡ = 90°
		2	Y		89° 25'	
		3	B		90° 45'	
		4	Y		90° 20'	
	=	5	B		90° 00'	
		6	R	9:06	90° 00'	
	=	7	Y		89° 25'	
		8	B		91° 00'	
		9	Y		88° 55'	
	=	10	B		90° 00'	
		11	R	9:10	89° 10'	
		12	Y		89° 30'	
		13	B		90° 35'	
		14	Y		89° 50'	
		15	B		89° 50'	
		16	R	9:17	90° 10'	
		17	Y		90° 30'	
	=	18	B		90° 10'	

ON 820' OFFSET TO LEFT.

820'

Range 166+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1/502 Pg. 17

No. ____ Date ____ Date ____ Survey of BEACH EROSION

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-12-[illegible]

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
168 +00 (N)	"N-7"	1	R	9:36	90° 15'	RANGE LINE ∡=90°
		2	Y		89° 30'	
		3	B		90° 25'	
		4	Y		90° 00'	
		5	B		89° 50'	
		6	R	9:45	89° 45'	
		7	Y		90° 35'	
	=	8	B		90° 35'	
		9	Y		90° 20'	
	=	10	B		90° 40'	
		11	R	9:48	90° 20'	
		12	Y		90° 30'	
	=	13	B		90° 15'	
		14	Y		90° 30'	
		15	B		91° 05'	
	820'	16	R	9:52	92° 00'	
		17	Y		91° 00'	
	=					

Range 168+00 (N) ON 820' OFFSET TO LEFT.

F.B. 1502 Pg. 18 Job No. 8412 Division No. Notes Red. Plotted Date No. Profile
Survey of BEACH EROSION Date Date X-Sec.
Survey by KLEINECK Notes HHR 11-12-48 Notes Chkd. Checked
Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
172+00 (N)	N-7	1	R	9 01	11 35	RANGE LINE 166+00 (N)
		2	Y		12 40	
		3	B		13 00	
		4	Y		13 50	
		5	B		14 50	
		6	R	9 06	18 00	
		7	Y		20 05	
		8	B		21 45	
		9	Y		23 35	
		10	B		25 40	
		11	R	9 09	27 55	
		12	Y		30 35	
		13	B		33 00	
		14	Y		36 15	
		15	B		40 55	
		16	R	9 16	48 35	
		17	Y		56 50	
		18	B		61 05	
		19	Y			

Offset 820' to left

OFFSET 820' TO THE LEFT

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8442 Division No. ____ F.B. Sorra 19

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

Notes Chkd. ____ Checked ____ Survey by [illegible] M.B. on 11/12/48

No. ____ Date ____ Date ____ Map No. ____ Made by [illegible] Date ____

Cut-in 166+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
162+00 (N)	N-T	1	R	9 35	118 30	RANGE LINE 168+00 (N)
		2	Y		121 45	
		3	B		126 55	
		4	Y		131 45	
	"	5	B		139 25	
	"	6	R	9 44	143 50	
	"	7	Y		145 10	
	"	8	B		146 30	
	"	9	Y		149 35	
	"	10	B		152 55	
	"	11	R	9 48	154 15	
	"	12	Y		157 10	
	"	13	B		159 40	
	"	14	Y		161 40	
	"	15	B		163 20	
	"	16	R	9 52	164 50	
	"	17	Y		166 30	

OFFSET 820' to the left

Cut-in 168+00 (N)

F.B. 150 Pg. 20 Job No. 8W7 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No.
Survey by Maurer Notes 11/12/48 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Alt. Tide	Adj. Depth	Remarks
1	R	~~9:05~~ 8:03	6.6 4.3	51	47	0.4	Range Line 166+00 (N
2	Y		8.1 6.0	67	47	2.0	
3	B		8.2 7.2	75	47	2.8	
4	Y		9.7 8.6	90	47	4.3	
5	B		10.4 9.7	99	47	5.2	
6	R	~~9:07~~ 8:07	12.2 10.6	111	46	6.5	
7	Y		13.7 11.8	124	46	7.8	
8	B		14.8 13.1	137 ~~136~~	46	9.1	
9	Y		16.7 14.4	152	46	10.6	
10	B		17.9 15.8	165	46	11.9	
11	R	~~9:11~~ 8:11	20.0 17.7	185	46	13.9	
12	Y		22.1 19.8	206	46	16.0	
13	B		24.6 21.8	227	46	18.1	
14	Y		25.5 23.6	242	46	19.6	
15	B		27.1 24.6	254	46	20.8	
16	R	~~9:18~~ 8:18	28.0 26.2	268	45	22.3	
17	Y		30.0 27.5	283	45	23.8	
18	B	~~9:21~~ 8:21	30.4 29.0	295	45	25.0	

Boat.

Profile No. ____ Notes Red. M.J. Plotted ____ Job No. 8442 Division No. ____ F.B. 1502 Pg. 21
X-Sec. No. ____ Date 12-8-48 Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 11-12-48
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 602 Pg. 22 | Job No. 8426 Division No. | Notes Red. 2-8-48 Date | Plotted | No. | Profile
Survey of Beach Erosion | Date 12-8-48 | Notes Chkd | Checked | No. | X-Sec.
Survey by Hilmack Notes Ellis 04/11/12-48 | Date | Date
Indexed A. C. Jabbas Date | Date

STATION #	Color	B. S. Time	Meas. Depth	F. S. Botom	Elev. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:37~~	30.4 ~~28.6~~	291'	43	24.8	Range Line 168+00(N)
2	Y	8:37	~~29.8~~ 27.3	281'	43	23.8	
3	B		27.9	267'	43	22.4	
4	Y		26.1 ~~26.8~~	258'	43	21.5	
5	B		25.3 25.6	243'	43	20.0	
6	R	~~9:46~~	23.6 22.1	218'	42	17.6	
7	Y	8:46	21.2 ~~21.7~~	211'	42	16.9	
8	B		~~20.8~~ 21.0	201'	42	15.9	
9	Y		19.7 ~~19.5~~	188'	42	14.6	
10	B		18.5 17.4	165'	42	12.3	
11	R	~~9:49~~	16.1 15.9	151'	42	10.9	
12	Y	8:49	~~14.7~~ 13.8	136'	42	9.4	
13	B		13.7 11.2	120'	42	7.8	
14	Y		11.5 10.1	106'	42	6.4	
15	B	8:54	11.5 8.2	93'	41	5.2	Boat. 168+00(N)
16	R	~~9:54~~	10.0 ~~9.0~~	80'	41	3.9	
17	Y	~~9:55~~ 8:55	~~8.7~~ 7.5	56'	41	1.5	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
170	N-7	1	R	10:05	90° 50'	RANGE LINE ∡ = 90°
+00		2	Y		91° 25'	
(N)		3	B		90° 00'	
		4	Y		90° 50'	
		5	B		91° 35'	
		6	R	10:09	90° 00'	
	=	7	Y		90° 05'	
		8	B		91° 20'	
	=	9	Y		89° 30'	
		10	B		89° 50'	
		11	R	10:13	90° 30'	
	=	12	Y		90° 15'	
		13	B		90° 15'	
		14	Y		90° 40'	
	820'	15	B		90° 20'	
		16	R	10:16	90° 20'	
		17	Y		90° 05'	
ON 820' OFFSET TO LEFT.	=	18	B		90° 20'	
		19	Y		90° 00'	
		20	B		89° 40'	
		21	R	10:24	90° 00'	

Range 170+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ P.B. 1162 Pg. 23
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-17-48
No. ____ Date ____ Date ____ Map No. ____ [illegible] Date ____

FORM 807 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
172	"N-7"	1	R	10:35	89° 40'	RANGE LINE ∡ = 90°
+00		2	Y		89° 55'	
(N)		3	B		89° 50'	
		4	Y		89° 20'	
		5	B		91° 00'	
		6	R	10:45	90° 00'	
	"	7	Y		90° 00'	
		8	B		90° 55'	
	"	9	Y		91° 05'	
		10	B		91° 15'	
		11	R	10:47	91° 15'	
	"	12	Y		90° 55'	
		13	B		91° 50'	
		14	Y		91° 20'	
	820	15	B		91° 20'	
	"	—				

Range 172+00 (N) ON 820' OFFSET TO LEFT.

F.B. 1502 PG. 24 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by KLEINECK Notes HHR 11-12-48 Notes Chkd. Checked
Indexed C. Jones Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks	
162+00 (N)	N-7	1	R	10 05	170 00	RANGE LINE	170+00 (N)
		2	Y		169 50		
		3	B		169 15		
		4	Y		168 15		
		5	B		167 05		
		6	R	10 08	165 00		
		7	Y		164 35		
		8	B		163 35		
		9	Y		161 15		
		10	B		160 50		
		11	R	10 13	159 05		
		12	Y		158 05		
		13	B		157 00		
		14	Y		155 40		
		15	B		154 40		
		16	R	10 15	152 45		
		17	Y		150 35		
		18	B		145 30		
		19	Y		134 10		
		20	B		128 45		
		21	R	10 23	123 20		

Offset 820' to left

OFFSET 820' to the left

Cut-in 170+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 8447 Division No. ____ F.B. 1/62 Pg. 25

X-Sec. No. ____ Date ____ Notes Chief ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Survey by [illegible] Map No. ____ Date ____ Transfer Job Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks	
162+00 (N)	N7	1	R	10 34	129 30	RANGE LINE	172+00 (N)
		2	Y		135 20		
		3	B		143 35		
		4	Y		149 00		
		5	B		157 45		
		6	R	10 44	160 30		
		7	Y		161 10		
		8	B		162 55		
		9	Y		164 10		
		10	B		166 10		
		11	R	10 47	167 25		
		12	Y		169 15		
		13	B		171 00		
		14	Y		171 50		
		15	B		172 15		

Offset 820' To Left

OFFSET 820' to the Left

Cut-in 172+00 (N)

F.B. 1502 PG. 26 Job No. 8412 Division No. Notes Red Plotted Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by [illegible] Notes Chkd. 11/12/48 Checked
Indexed C. [illegible] Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red_____ Plotted_____ Job No. SLP Division No._____ F.B. 1670 Pg. 27
No._____ Date_____ Date_____ Survey of Beach Erosion 1972
X-Sec. Notes Ckd_____ Checked_____ Survey by T. Lockwood, H. Wright
No._____ Date_____ Date_____ Map No._____ Date_____ H.C. Jahraus

STATION		B. S.	H. I. Mean Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
#	Color	Time					
1	R	~~10:06~~	6.5 5.0	58	39	1.6	Range line 170+00(N)
2	Y	9:06	7.5 6.0	65	39	2.6	
3	B		8.5 7.2	76	39	3.7	
4	Y		10.0 8.3	89	39	5.0	
5	B		11.0 9.2	98	39	5.9	
6	R	~~10:10~~	11.0 10.2	105	39	6.6	
7	Y	9:10	12.9 11.2	118	39	7.9	
8	B		13.4 12.0	125	39	8.6	
9	Y		15.0 13.4	139	39	10.0	
10	B		16.1 14.1	148	39	10.9	
11	R	~~10:14~~	17.5 16.4	168	38	13.0	
12	Y	9:14	18.6 16.5	172	38	13.4	
13	B		21.0 18.1	191	38	15.3	
14	Y		22.9 19.8	207	38	16.9	
15	B		22.4 21.1	215	38	17.7	
16	R	~~10:17~~	24.9 21.6	225	38	18.7	
17	Y	9:17	24.5 23.1	236	38	19.8	
18	B		25.4 24.1	249	38	21.1	
19	Y		27.8 26.0	263	38	22.5	
20	B	9:25	30.2 28.1	281	37	24.4	
21	R	~~10:25~~	30.1 28.8	293	37	25.6	

Boat 170+00(N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Botom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:35~~ 9:35	30.1 28.5	290	35	25.5	Range Line 172+00(N)
2	Y		28.3 26.3	270	35	23.5	
3	B		26.3 24.0	248	35	21.3	
4	Y		25.2 23.0	237	35	20.2	
5	B		23.4 21.8	223	35	18.8	
6	R	~~10:46~~ 9:46	21.4 20.1	205	34	17.1	
7	Y		20.5 18.4	191	34	15.7	
8	B		17.7 16.2	167	34	13.3	
9	Y		16.0 14.4	149	34	11.5	
10	B		13.6 11.6	123	34	8.9	
11	R	~~10:49~~ 9:49	13.5 9.8	199 ~~110~~	33	7.6	
12	Y		12.0 8.7	98 ~~100~~	33	6.5	
13	B		10.0 6.8	79	33	4.6	
14	Y		8.1 4.8	59	33	2.6	
15	B	~~10:51~~ 9:51	6.0 3.0	40	33	0.7	Boat. 172+00(N)

F.B. 1502 PG. 28 Job No. 8442 Division No. Notes Red. M.E.K. Plotted No. Profile
Survey of Beach Erosion Date 12-8-48 Date X-Sec.
Survey by Hemmer Notes ETM, Jr 11-12-48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
174 +00 (N)	N-7	1	R	11:09	90° 50'	RANGE LINE ∡ = 90°
		2	Y		88° 40'	
		3	B		89° 00'	
		4	Y		87° 40'	
		5	B		91° 20'	
		6	R	11:12	89° 10'	
	=	7	Y		89° 35'	
		8	B		89° 10'	
	=	9	Y		90° 10'	
		10	B		88° 40'	
		11	R	11:16	88° 05'	
	=	12	Y		87° 30'	
		13	B		89° 50'	
		14	Y		90° 35'	
		15	B		90° 25'	
	820'	16	R	11:22	90° 25'	
		17	Y		90° 40'	
	=	18	B		90° 10'	
		19	Y		90° 30'	
		20	B		90° 00'	
		21	R	11:29	89° 35'	

ON 820' OFFSET TO LEFT.

Range 174+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____

X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Survey of BEACH EROSION

Map No. ____ Indexed ____ Date ____

F.B. 1/50 Pg. 29

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
176 +00 (N)	N-7	1	R	11:43	90° 10'	RANGE LINE ∡ = 90°
		2	Y		89° 50'	
		3	B		90° 10'	
		4	Y		89° 55'	
		5	B		89° 35'	
		6	R	11:50	89° 50'	
	"	7	Y		90° 20'	
	"	8	B		90° 00'	
		9	Y		90° 50'	
		10	B		90° 00'	
	"	11	R	11:55	90° 50'	
		12	Y		90° 35'	
		13	B		90° 00'	
		14	Y		90° 30'	
		15	B		91° 00'	
	820'	16	R	11:58	90° 40'	
	"					

Range 176+00 (N) ON 820' OFFSET TO LEFT.

F.B. 1/62 Pg. 30 Job No. 8412 Division No. Notes Red. Plotted Date No. Profile
Survey of BEACH EROSION Date Date X-Sec.
Survey by KLEINECK Notes HHR 11-12-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks	
168+00 (N)	N-7	1	R	11 08	168 05	RANGE LINE	174+00 (N)
		2	Y		166 30		
		3	B		166 05		
		4	Y		164 45		
		5	B		162 00		
		6	R	11 11	161 00		
		7	Y		159 30		
		8	B		158 35		
		9	Y		156 55		
		10	B		154 55		
		11	R	11 15	153 00		
		12	Y		151 30		
		13	B		148 55		
		14	Y		148 00		
		15	B		145 30		
		16	R	11 21	142 40		
		17	Y		138 30		
		18	B		130 15		
		19	Y		126 00		
		20	B		120 30		
		21	R	11 27	117 00		

Offset 820' to left

OFFSET 820' to the left

Cut-in 174+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8417 Division No. ____ F.B. 1167 Pg. 31

No. ____ Date ____ Date ____ Survey of Beach Erosion

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

No. ____ Date ____ Date ____ Map No. ____ [illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
~~176+00~~	N-7	1	R	11 42	122 20	RANGE LINE 176+00 (N)
168+00		2	Y		125 10	
		3	B		132 10	
		4	Y		137 05	
		5	B		144 00	
		6	R	11 50	148 25	
		7	Y		153 25	
		8	B		154 55	
		9	Y		157 35	
		10	B		159 05	
		11	R	11 54	160 25	
		12	Y		162 05	
		13	B		163 10	
		14	Y		164 55	
		15	B		167 05	
		16	R	11 58	169 25	
		17	Y			
		18	B			
		19	Y			

Offset 820' to left

Offset 820' to the left

Cut-in 176+00 (N)

F.B. 150/Pg. 32

Job No. 8427 Division No. Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No. X-Sec.

Survey by Hancock Notes TIMER 11-12-46 Notes Chkd. Checked

Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~11:[illegible]~~	4.5 3.0	35	30	0.5	Range Line 174+00 (N)
2	Y	10:10	5.5 4.5	48	30	1.8	
3	B		6.3 5.3	56	30	2.6	
4	Y		9.4 7.1	79	30	4.9	
5	B		10.0 8.3	89	30	5.9	
6	R	~~11:13~~	11.6 9.4	101	29	7.2	
7	Y	10:13	11.8 10.4	109	29	8.0	
8	B		13.0 11.0	117	29	8.8	
9	Y		13.0 12.0	123	29	9.4	
10	B		14.3 13.1	135	29	10.6	
11	R	~~11:17~~	16.8 14.8	155	29	12.6	
12	Y	10:17	18.0 16.0	167	29	13.8	
13	B		20.0 18.1	187	29	15.8	
14	Y		21.5 19.4	201	29	17.2	
15	B		22.5 20.4	211	29	18.2	
16	R	~~11:23~~	23.1 21.3	219	28	19.1	
17	Y	10:23	24.6 22.5	232	28	20.4	
18	B		25.1 24.0	244	28	21.6	
19	Y		26.0 25.0	253	28	22.5	
20	B	10:30	27.8 26.6	270	27	24.3	
21	R	~~11:30~~	28.6 [illegible]	281	27	25.4	

Boat.

Profile Notes Red M.J. Plotted Job No. 8427 Division No.
No. Date 12-8-48 Date Survey of Beach Erosion
X-Sec. Notes Chkd Checked Survey by [illegible] 11-12-48
No. Date Date Map No. Indexed Date
F.B. 1502 Pg. 33

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 1602 Pg. 54 | Job No. 5412 Division No. | Notes Red. M.T. Plotted | No. Profile
Survey of Beach Erosion | Date 12-8-48 Date | No. X-Sec.
Survey by Maynard Notes Mylar 11-12-48 Checked
Indexed U.S. Notes Child. Date
Date Date

STATION #	Color	B. S. Time	Meas. Depth	F. S. Botom	Elev. Tide	Ht. Adj. Depth	Remarks
1	R	~~11:44~~	28.0	286'	25	26.1	Range Line 176+00(N).
2	Y	10:44	27.9 26.3	268'	25	24.3	
3	B		26.8 24.9	249'	25	22.4	
4	Y		25.0 23.5	240'	25	21.5	
5	B		23.2 21.7	222'	25	19.7	
6	R	~~11:52~~	22.2 20.9	213'	24	18.9	
7	Y	10:52	20.0 19.4	196'	24	17.2	
8	B		18.7 17.8	181'	20	15.7	
9	Y		16.5 15.5	158'	24	13.4	
10	B		15.0 14.2	145'	24	12.1	
11	R	~~11:56~~	14.0 12.9	133'	23	11.0	
12	Y	10:56	13.5 11.3	120'	24	9.7	
13	B		11.0 10.0	103'	21	8.0	
14	Y		9.5 8.8	92'	23	6.7	
15	B		10.0 7.5	83'	23	6.0	
16	R	~~12:00~~ 11:00	6.3 4.8	53'	22	3.1	Boat 176+00(N)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
178	170	1	R	8:16	90° 10'	RANGE LINE ∡ = 90°
400(N)	400	2	Y		90° 30'	
	(N)	3	B		89° 55'	
		4	Y		89° 45'	
		5	B		90° 00'	
	=	6	R	8:27	90° 00'	
		7	Y		89° 30'	
		8	B		90° 35'	
	=	9	Y		90° 20'	
		10	B		90° 25'	
	=	11	R	8:36	92° 00'	
		12	Y		90° 30'	
		13	B		91° 20'	
		14	Y		91° 00'	
	800'	15	B		90° 00'	
		-				
	=					

ON 800' OFFSET TO LEFT.

Range
178+00(N)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1502 Pg. 35
X.Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Date ____ Survey by VLEIN ENGINEERING
No. ____ Date ____ Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
180	170	1	R	8:47	91° 15'	RANGE LINE ∡ = 90°
+00	+00	2	Y		90° 40'	
(N)	(N)	3	B		92° 20'	
		4	Y		90° 25'	
		5	B		91° 40'	
		6	R	8:51	91° 05'	
	=	7	Y		90° 50'	
		8	B		90° 20'	
		9	Y		90° 55'	
	=	10	B		90° 05'	
		11	R	9:01	90° 20'	
		12	Y		90° 25'	
	=	13	B		90° 20'	
		14	Y		90° 20'	
	800	15	B		90° 00'	
		16	R	9:09	90° 10'	
		17	Y		90° 10'	
	=					

Range 180+00 (N)

ON 800' OFFSET TO LEFT

F.B. 150 No. 36 Job No. 8412 Division No. Notes Red Plotted Profile
Survey of BEACH EROSION Date Date No.
Survey by KLEINECK Notes HHR 11-22-48 Notes Chkd Checked X-Sec.
Indexed [illegible] Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
172+00	N.T	1	R	8 16	111 45	Range Line 178+00 (N)
		2	Y		113 55	
		3	B		118 55	
		4	Y		122 35	
		5	B		125 30	
		6	R	8 27	132 15	
		7	Y		138 10	
		8	B	147	~~157~~ 45	
		9	Y		149 55	
		10	B		151 50	
		11	R	835	153 50	
		12	Y		155 45	
		13	B		158 05	
		14	Y		160 00	
		15	B		160 35	
		16	R			
		17	Y			
		18	B			

Offset 800' to left

OFFSET 800' to the LEFT

Cut-in

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 847 Division No. ____

X-Sec. No. ____ Date ____ Name Chkd. ____ Checked ____ Survey of Beach Erosion

Map No. ____ Date ____ Survey by [illegible] Date ____

Indexed ____ Date ____

F.B. 1502 Pg. 37

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
172+00	N-7	1	R	8 47	167 15	Range Line 180+00 (N)
		2	Y		166 05	
		3	B		166 00	
		4	Y		163 35	
		5	B		161 15	
		6	R	8 51	158 50	
	"	7	Y		158 10	
		8	B		156 00	
	"	9	Y		155 15	
	"	10	B		152 30	
		11	R	8 59	150 05	
	"	12	Y		149 20	
		13	B		139 15	
		14	Y		134 15	
	"	15	B		130 45	
		16	R	9 07	128 05	
		17	Y		124 20	

Cut-in 180+00 (N) offset 800' to the left

F.B. 150 Pg. 38 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Klement Notes Chkd. 11-22-48 Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:17~~ 7:17	32.0 30.5	310	32	27.8	Range Line 178+00
2	Y		31.5 29.8	304	32	27.2	
3	B		28.5 27.7	280	32	25.8	
4	Y		27.5 25.5	262	32	23.0	
5	B		26.1 24.3	249	32	21.7	
6	R	~~8:28~~ 7:28	25.2 23.5	241	32	20.8	
7	Y		23.8 21.4	222	32	18.9	
8	B		20.8 19.4	199	32	16.6	
9	Y		19.4 17.9	184	32	15.1	
10	B		17.3 16.0	164	32	13.1	
11	R	~~8:36~~ 7:36	16.5 14.9	154	34	12.0	
12	Y		15.0 12.1	131	34	9.7	
13	B		13.5 10.9	118	34	8.4	
14	Y		11.5 8.7	96	34	6.2	
15	B	~~8:39~~ 7:39	10.0 7.0	80	34	4.6	

Boot

Profile No. ____ Date 12-8-48 Notes Red 79 X Plotted ____ Date ____ Job No. 8442 Division No. ____ Survey of Beach Erosion Survey by [illegible] Date 11-27-48 F.B. 1662 Pg. 39

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

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth		Remarks
1	R	~~8:48~~ 7:48	8.0 6.5	70	34	3.6	Range Line 180+00(N)	
2	Y		9.5 7.8	84	34	5.0		
3	B		10.0 8.6	91	34	5.7		
4	Y		12.4 10.1	109	34	7.5		
5	B		15.1 12.5	134	34	10.0		
6	R	~~8:52~~ 7:52	16.5 14.4	151	34	11.7		
7	Y		18.2 16.0	167	34	13.3		
8	B		20.5 17.5	185	34	15.1		
9	Y		20.6 19.2	197	34	16.3		
10	B		23.0 21.1	217	34	18.3		
11	R	~~9:00~~ 8:00	24.0 22.2	228	35	19.3		
12	Y		25.3 22.8	236	35	20.1		
13	B		25.0 23.5	240	35	20.5		
14	Y		26.7 24.5	252	35	21.7		
15	B	8:08	27.4 25.4	261	35	22.5		
16	R	~~9:08~~	27.8 26.8	271	35	23.6		
17	Y	~~9:09~~ 8:09	30.2 28.8	293	35	25.8	Boot 180+00(N)	

F.B. 150 Pg. 40 Job No. 8412 Division No. Notes Red. M.J. Plotted No. Profile
Survey of Beach Erosion Date 12-8-48 Date X-Sec.
Survey by Heineck Notes Ed.M.Jr. 11-22-48 Notes Chkd. Checked
Indexed A. C. [illegible] Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
182	170	1	R	9:20	90° 45'	RANGE LINE: ∡ = 90°
+00	+00	2	Y		90° 05'	
(N)	(N)	3	B		90° 00'	
		4	Y		89° 50'	
		5	B		90° 10'	
	=	6	R	9:32	90° 05'	
		7	Y		90° 05'	
	=	8	B		90° 05'	
		9	Y		90° 10'	
		10	B		91° 00'	
	=	11	R	9:37	90° 05'	
		12	Y		89° 20'	
		13	B		90° 45'	
	800	14	Y		91° 20'	
		15	B		91° 30'	
	=					

ON 800' OFFSET TO LEFT.

Range 182+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1502 Pg. 41

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

Notes Chkd ____ Checked ____ Survey by KLEINFELDER [illegible] HHR Date 11-22-[illegible]

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
184	N-10	1	R	9:54	91° 50'	RANGE LINE ∡ = 90°
+00		2	Y		88° 25'	
(N)		3	B		90° 30'	
		4	Y		89° 45'	
		~~5~~	~~B~~		~~91° 00'~~	out.
		6	R	10:02	90° 50'	
		7	Y		88° 50'	
	=	~~8~~	~~B~~		~~90° 30'~~	
		~~9~~ 8	(Y)B		90° 20'	
	=	~~10~~ 9	(B)Y		90° 55'	
		~~11~~ 10	(R)B		91° 00'	
		~~12~~ 11	(Y)R	10:12	90° 25'	
	=	~~13~~ 12	(B)Y		90° 40'	
		~~14~~ 13	(Y)B		90° 30'	
	800'	~~15~~ 14	(B)Y		90° 25'	
		~~16~~ 15	(R)B		90° 40'	
		~~17~~ 16	(Y)R	10:18	90° 25'	
	=	~~18~~ 17	(B)Y		90° 45'	
		~~19~~ 18	(Y)B		90° 20'	

Range 184+00 (N)

ON 800' OFFSET TO LEFT.

F.B. 1502 Pg. 42 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by KLEINECK Notes HHR 11-22-48 Notes Chkd. Checked
Indexed Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks	
172+00	N7	1	R	9 18	125 50	RANGE LINE	182+00(N)
		2	Y		127 20		
		3	B		131 30		
		4	Y		136 40		
		5	B		142 00		
		6	R	9 29	149 15		
		7	Y		154 25		
		8	B		157 45		
		9	Y		159 40		
		10	B		161 30		
		11	R	9 34	162 35		
		12	Y		164 20		
		13	B		165 45		
		14	Y		168 00		
		15	B		168 55		
		16	R				
		17	Y				
		18	B				

Offset 800' to left.

OFFSET 800' to THE LEFT

Cut-in

Profile Notes Red. ____ Plotted ____ Job No. 842 Division No. ____ F.B. 1507 Pg. 43

No. ____ Date ____ Date ____ Survey of Road Erosion

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

No. ____ Date ____ Date ____ Map No. ____ Checked Jonnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
179+95	N-10	1	R	9 51	341 00	RANGE LINE 184+00 (N)
		2	Y		337 05	
		3	B		334 00	
	"	4	Y		331 45	
		5	B			
	"	6	R	10 00	325 20	
		7	Y		323 00	
	"	8	B		320 40	
	"	9	Y		318 15	
		10	B		316 30	
		11	R	10 08	309 25	
	"	12	Y		305 30	
		13	B		301 10	
		14	Y		297 55	
		15	B		295 20	
	"	16	R	10 15	292 55	
		17	Y		290 45	
		18	B		288 55	

184+00 (N)
ON N. TANGENT PRODUCED S.
OFFSET 800 FT. TO THE LEFT

F.B. 1502 Pg. 44
Job No. 8412 Division No. Notes Red Plotted
Survey of Coach Crossing Date Date No.
Survey by [illegible] Notes [illegible] Checked X-Sec.
Indexed [illegible] Date Date Date No.
Cut-in

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~9:19~~	32.6 30.1	309	36	27.3	Range Line 182+00 (N)
2	Y	8:19	30.8 29.2	297	36	26.1	
3	B		30.8 27.8	288	36	25.2	
4	Y		28.5 26.3	267	36	23.1	
5	B		26.0 24.1	247	36	21.1	
6	R	~~9:30~~	24.0 22.2	228	37	19.1	
7	Y	8:30	23.0 21.2	218	37	18.1	
8	B		23.1 20.2	212	37	17.5	
9	Y		20.2 18.1	188	37	15.1	
10	B		17.5 16.1	166	37	12.9	
11	R	~~9:35~~	17.2 14.7	155	37	11.8	
12	Y	8:35	15.0 12.3	132	37	9.5	
13	B		13.4 10.4	114	37	7.7	
14	Y		12.0 8.0	93	37	5.6	
15	B	~~9:39~~	11.0 6.8	82	37	4.5	
		8:39					

Boat 182+00 (N)

Profile No. ___ Notes Red M. J. Plotted ___ Job No. 8412 Division No. ___ F.B. 1502 Pg. 45
X-Sec. No. ___ Date 12-8-48 Date ___ Survey of Beach Erosion
Notes Chkd. ___ Checked ___ Survey by [illegible] Note [illegible] Date 11-22-48
No. ___ Date ___ Date ___ Map No. ___ [illegible] Date ___

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 162 Pg. 46 | Job No. 5412 Division No. | Profile
Survey of Beach Erosion | No.
Survey by Klemec, Sullivan & Wilson | Notes Rad. 7M.A. Plotted
Indexed | Notes Chkd. | Date 12-8-48 Date | X-Sec.
Date | Date | Checked | No.
Date | Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:52~~	7.8				
			5.8	62'	38	2.4	Range Line 184+00(N
		8:52	9.0				
2	Y		7.0	77'	38	3.9	
			11.2				
3	B		9.2	99'	38	6.1	
			19.0				
4	Y		10.2	115'	38	7.7	
			19.6				
~~5~~	~~B~~		1.6				(out)
			17.1				
6	R	~~10:01~~	13.1	144'	39	10.5	
			16.4				
7	Y	9:01	14.4	151'	39	11.2	
			18.8				
8	B		15.6	167'	39	12.8	
			19.3				
9	Y		17.6	181'	39	14.2	
			20.2				
10	R		19.2	195'	39	15.6	
			23.1				
11	R	~~10:10~~	21.1	218'	39	17.9	
			23.9				
12	Y	9:10	22.4	229'	39	19.0	
			25.6				
13	B		23.6	245'	39	20.4	
			26.7				
14	Y		24.6	253'	39	21.4	
			27.5				
15	B		26.3	269'	39	22.8	
			29.0				
16	R	~~10:16~~	27.4	279'	40	23.9	Boat 184+00(N)
			30.4				
17	Y	9:16	28.4	291'	40	25.1	
			31.8				
18	B		29.0	299'	40	25.9	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
185	N-10	1	R	10:33	90° 35'	RANGE LINE ∡ = 90°
+		2	Y		90° 10'	
95 24		3	B		90° 30'	
		4	Y		90° 25'	
		5	B		90° 00'	
		6	R	10:42	90° 15'	
		7	Y		90° 40'	
	"	8	B		90° 50'	
		9	Y		90° 35'	
		10	B		91° 45'	
	"	11	R	10:47	91° 00'	
		12	Y		91° 05'	
	"	13	B		92° 00'	
		14	Y		90° 20'	
		15	B		89° 20'	
	800'	16	R	10:51	92° 20'	
	"					

ON 800' REFSET TO LEFT.

Range
185 + 95 24 (N)

Profile No. X-Sec. Notes Red. Date. Plotted Date. Job No. 8412 Division No. Survey of BEACH EROSION
Notes Chkd. Date. Checked Date. Survey by Map No. Date.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst Sight						
At	On #	Color	Time	Hor. Ang.		Remarks

F.B. 562 PG. 48

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

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

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

Indexed ____ Date ____ Date ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
179+95.24	N10					
ON N. TANGENT PRODUCED S	OFFSET 800 FT. TO THE LEFT	1	R	10 29	296 25	RANGE LINE 185+95.24 (N)
		2	Y		299 30	
		3	B		304 45	
		4	Y		309 45	
		5	B		316 35	
		6	R	10 39	319 10	
		7	Y		322 40	
		8	B		325 00	
		9	Y		328 10	
		10	B		331 10	
		11	R	10 44	334 55	
		12	Y		339 15	
		13	B		336 40	
		14	Y		340 20	
		15	B		343 30	
		16	R	10 48	346 35	
		17	Y			
		18	B			

Cut-in
185+95.24 (N)

Profile Notes Red ____ Plotted ____ Job No. [illegible] Division No. ____
No. ____ Date ____ Date ____ Survey of Reach Ex[illegible]
X-Sec. Notes Chief ____ Checked ____ Survey by [illegible] 11-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Date ____

F.B. 1502 Pg. 49

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On #	Color	Time	Hor. Ang.		Remarks

F.B. 1502 PG. 50

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. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10:31~~	31.7 / 29.1	300 ✓	42	25.8	Range Line ~~186+0040~~ 185+95.24
2	Y	9:31	30.2 / 28.0	287 ✓	42	24.6	
3	B		27.6 / 25.6	263 ✓	42	22.1	
4	Y		25.7 / 24.5	249 ✓	42	20.7	
5	B		23.1 / 22.2	225 ✓	42	18.3	
6	R	~~10:40~~	22.3 / 21.0	214 ✓	42	17.2	
7	Y	9:40	20.5 / 19.2	196 ✓	42	15.4	
8	B		19.8 / 18.0	186 ✓	42	14.4	
9	Y		18.2 / 16.0	167 ✓	42	12.5	
10	B		18.0 / 14.9	159 ✓	42	11.7	
11	R	~~10:45~~	14.4 / 13.4	137 ✓	43	9.4	
12	Y	9:45	13.0 / 10.7	115 ✓	43	7.2	
13	B		13.4 / 11.9	124 ✓	43	8.1	Pick up Shot
14	Y		10.0 / 9.0	93 ✓	43	5.0	
15	B		9.5 / 7.7	83 ✓	42	4.0	
16	R	~~10:50~~	6.5 / 5.5	58 ✓	48	1.5	
		9:50					

Boot

185+95.24(61)

Profile No. ___ Date ___ Notes Red TM X Plotted ___ Job No. 8472 Division No. ___ F.B. 1502 Pg. 51
X-Sec. No. ___ Date 12-8-48 Date ___ Survey of Beach Erosion
Notes Chkd. ___ Checked ___ Survey by [illegible] 11-22-48
No. ___ Date ___ Date ___ Map No. ___ Date ___

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R					Range Line	188+00(N)
2	Y						
3	B						
4	Y						
5	B						
6	R						
7	Y						
8	B						
9	Y						
10	B						
11							
12							
13							
14							
15							
16							
17							

F.B. 162 PG. 52

Job No. 8462 Division No. Notes Red. Plotted Profile

Survey of Date Date No. X-Sec.

Survey by Notes Notes Chkd Checked

Indexed Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
188+00(N)	186 +00(N)	1	R	759	90 50	RANGE LINE ∡ = 90°	
		2	Y		90 05	188+00(N) is in Ballona Creek	
		3	~~B~~ W		89 40	channel.	
		4	Y		89 30		
		5	~~B~~ W		89 50		
		6	R	810	89 55		
		7	Y		89 45		
		8	~~B~~ W		90 00		
		9	Y		89 55		
		10	B		89 45		
		11	R	820	89 40		
		12	Y		89°55		
		13	W		89°55		
		14	Y		90°00'		
		15	W		90°15'		
		16	R	8:27	90°00'		
		17	Y		90°10'		
		~~18~~	~~W~~		~~90°20'~~	out	
		19	Y		90°05		
		20	W		90°15'		

ON 250' OFFSET TO RIGHT.

" RIGHT.

" 250'

" 250'

CONTINUED

Range 188+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____

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

F.B. 4502 Pg. 53

F.B. [illegible] Pg. 54 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile

Survey of BEACH EROSION Date ____ Date ____ No. ____

Survey by KLEINECK Notes HWR 11-29-48 Notes Chkd. ____ Checked ____ X-Sec.

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

Range 188+00 (N) Cont'd.

ON 250 OFFSET TO RIGHT.

" 250' " " RIGHT.

Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
188+00 (N)	186+00 (N)	21	R	8:32	90° 25'	RANGE LINE A = 90°

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. | T.S. | ELEV.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE 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	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
179	N-10	1	R	7 ~~27~~ 59	48 40	Range Line 188+00 (N) ℄ Creek
~~+95~~		2	Y		45 10	
		3	W		36 40	
		4	Y		27 00	
		5	W		14 00	
		6	R	~~7 39~~ 8:10	359 40	
		7	Y		353 55	
		8	W		348 50	
	"	9	Y		344 15	
	"	10	W		341 25	
	"	11	R	~~7 49~~ 8:20	337 30	
	"	12	Y		334 00	
	"	13	W		331 20	
	"	14	Y		328 40	
	"	15	W		325 50	
		16	R	~~7 56~~ 8:29	322 45	
		17	Y		319 45	
		18	W			
		19	Y		312 50	
		20	W		308 50	
		21	R	8 ~~01~~ :32	306 35	

On No. Tangent Produced 50. Offset 800 to the left

Cut-in 188+00 (N)

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. 5502 Pg. 55

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Beach Erosion

Survey by Wiemeck Notes 1 P.S.M. Date N-29-48

Map No. ____ Date ____ Map Chkd. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst	Sight						
At	On	#	Color	Time	Hor. Ang.	Remarks	

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

F.B. 507 PG. 56

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:58~~	9 9 / 8 8	92	64	2.8 ℄ Channel	188+00 (N)
2	Y	~~7:58~~ 6:58	10 1 / 8 9	93	64	2.9	
3	W		10 1 / 8 9	93	64	2.9	
4	Y		10 8 / 9 0	96	64	3.2	
5	W		9 8 / 8 4	89	64	2.5	
6	R	~~8:10~~ 7:10	12 8 / 11 0	116	64	5.2	
7	Y		12 9 / 11 0	116	64	5.4	
8	W		15 0 / 13 0	137	64	7.3	
9	Y		17 7 / 15 0	159	64	9.5	
10	W		18 8 / 16 6	173	64	10.9	
11	R		20 9 / 18 3	192	64	12.8	
12	Y	~~8:20~~ 7:20	22 3 / 20 0	208	64	14.4	
13	W		22 3 / 21 3	216	64	15.2	
14	Y		25 1 / 22 0	230	64	16.6	
15	W		26 0 / 23 3	242	64	17.8	
16	R		27 5 / 24 7	256	64	19.2	
17	Y		28 0 / 26 3	269	64	20.5	
~~18~~	~~W~~		~~30 0 / 27 5~~				out
19	Y		31 4 / 29 0	298	64	23.4	
~~20~~	~~W~~	over					

Boot

Profile No. ____ Date 12-8-48 Notes Red M.B. Plotted ____ Job No. 84126 Division No. ____ F.B. 1502 Pg. 57

X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Survey of Beach Erosion Survey by [illegible] Notes [illegible] Date 11-29-48

Map No. ____ Date ____ Amended [illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
20	W		325 310	31.5	63	25.2 ℄ Channel	R.L. 188+00(N)
21	R	~~8.32~~ 7:32	335 314	32.1	63	25.8 continued	

Boat 188+00(N) Cont'd

F.B. 1507 Pg. 58

Job No. 8412 Division No. Notes Red. M.J. Plotted Profile

Survey of Beach Erosion Date 12-8-48 Date No.

Survey by Kleinecke Notes McB 11-29-48 Notes Chkd. Checked X-Sec.

Indexed A. C. Tolmann Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
192	184	1	R	11:10	90° 10'	RANGE LINE ∡ = 90°
+00	+00	2	Y		91° 00'	
(N)	(N)	3	B		90° 50'	
		4	Y		90° 35'	
		5	B		91° 00'	
		6	R	11:16	90° 25'	
		7	Y		90° 30'	
	=	8	B		91° 30'	
		9	Y		90° 35'	
	=	10	B		89° 45'	
		11	R	11:23	90° 15'	
		12	Y		90° 20'	
	=	13	B		90° 05'	
		14	Y		90° 20'	
	500'	15	B		90° 25'	
		16	R	11:32	90° 10'	
		17	Y		90° 40'	
	=	18	B		90° 15'	
		19	Y		90° 30'	

ON 500' OFFSET TO LEFT.

Range

Profile No. X-Sec. No. Date Notes Red Plotted Date Date Job No. 8412 Division No. Survey of BEACH EROSION Survey by K. FINNECK Note [illegible] Date 11-22-48 Map No. Date Date Date

F.B. 4072 No. 59

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
194	184	1	R	8:50	90° 05'	RANGE LINE ∡ = 90°
+00	+00	2	Y		90° 00'	
(N)	(N)	3	B		90° 25'	
		4	Y		90° 10'	
		5	B		90° 25'	
	=	6	R	9:02	90° 10'	
		7	Y		90° 05'	
	=	8	B		89° 55'	
		9	Y		89° 00'	
		10	B		90° 30'	
		11	R	9:17	90° 05'	
	=	12	Y		90° 20'	
		13	B		90° 00'	
		14	Y		90° 35'	
		15	B		90° 30'	
	500'	16	R	9:25	89° 40'	
		17	Y		89° 45'	
		18	B		90° 20'	
	=	19	Y		91° 00'	

Range 194+00 (N) ON 500' OFFSET TO LEFT.

F.B. 1/Jos Pg. 60 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile
Survey of BEACH EROSION | Date | Date | No. | X-Sec.
Survey by KLEINECK | Notes HHR 11-23-48 | Notes Chkd. | Checked | No.
Indexed | Date | Date | Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
198+00	N-10	1	R	11 07	30 30	RANGE LINE 192 00 (N)
		2	Y		31 05	
		3	B		32 10	
		4	Y		32 35	
		5	B		35 30	
		6	R	11 13	36 25	
		7	Y		40 20	
		8	B		42 20	
		9	Y		44 05	
		10	B		46 50	
		11	R	11 20	50 05	
		12	Y		53 00	
		13	B		53 25	
		14	Y		54 45	
		15	B		56 35	
		16	R	11 29	60 45	
		17	Y		63 30	
		18	B		66 25	
		19	Y		69 20	

OFFSET 500' TO 16 ft

OFFSET 500' TO THE LEFT

Cut-in

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

F.B. 1502 Pg. 61

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Height At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
202+00	N-10	1	R	8 50	64 05	Range line 194+00 (N)
		2	Y		61 20	
		3	B		60 00	
		4	Y		57 40	
		5	B		55 15	
	"	6	R	9 02	51 00	
		7	Y		44 25	
	"	8	B		41 25	
		9	Y		38 55	
		10	B		37 20	
	"	11	R	9 17	34 10	
		12	Y		33 05	
		13	B		30 05	
		14	Y		27 30	
	"	15	B		26 00	
		16	R	9 25	24 05	
		17	Y		22 25	
		18	B		22 00	
		19	Y		20 40	
		20	B			

Cut-in 194+00 (N) OFFSET 500' To The Left

F.B. 160 Pd. 67 Job No. 847 Division No. Notes Red. Plotted No. Profile
Survey of Beach erosion Date Date X-Sec.
Survey by Kleyneck Notes S.H. 11-23-48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date 11 Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. Mot.E.	F. S.	ELEV. Ht		
#	Color	Time	Depth	Bottom	Tide	Adj. Depth	Remarks
1	R	~~11:00~~	10.5 / 6.8	81 / ~~80~~	44	3.7	Range Line 192 +00 (N)
2	Y	10:08	9.6 / 8.4	88	44	4.4	
3	B		12.2 / 10.1	108	44	6.4	
4	Y		13.2 / 10.5	114	44	7.0	
5	B		15.0 / 12.5	133	44	8.9	
6	R	~~11:14~~	15.5 / 14.5	148	44	10.4	
7	Y	10:14	18.2 / 15.5	164	44	12.0	
8	B		19.1 / 16.6	171	44	12.7	
9	Y		18.5 / 17.0	175	44	13.1	
10	B		19.8 / 18.8	191	44	14.7	
11	R	~~11:27~~	21.4 / 20.0	205	45	16.0	
12	Y	10:21	25.0 / 21.0	223	45	17.8	
13	B		26.0 / 22.8	239	45	19.4	
14	Y		25.0 / 23.6	241	45	19.6	
15	B		25.6 / 24.6	249	45	20.4	
16	R	~~11:30~~	27.3 / 26.4	267	45	22.2	
17	Y	10:30	29.0 / 27.3	279	45	23.4	
18	B		30.7 / 28.7	294	45	24.9	
19	Y	~~11:35~~	32.1 / 30.1	308	46	26.2	
		10:35					

Profile No. _____ Notes Red 22.37 Plotted _____ Job No. 2447 Division No. 6
Date 12-8-46 Date _____ Survey of Beach Erosion
X-Sec. No. _____ Notes Cked _____ Checked _____ Survey _____
Date _____ Date _____ Map No. _____ Inked _____ Date _____

Boat

F. 1467-P.63

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H.I. Meas. Depth	F. S. Botom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:00~~ 7:00	29.8 28.9	292	35	25.7	Range Line 194+00(N)
2	Y		29.2 27.2	279	35	24.4	
3	B		28.0 26.1	267	35	23.2	(Boat time: 8:00 =
4	Y		27.3 25.7	262	35	22.7	shore time: 8:54)
5	B		26.4 24.9	254	35	21.9	
6	R	~~8:12~~ 7:12	24.8 23.8	241	35	20.6	
7	Y		23.5 22.7	230	35	19.5	
8	B		22.7 21.2	217	35	18.2	
9	Y		21.0 20.0	203	35	16.8	
10	B		20.0 19.1	194	35	15.9	
11	R	~~8:27~~ 7:27	17.5 17.1	172	34	13.8	
12	Y		17.3 16.1	165	34	13.1	
13	B		16.3 14.8	153	34	11.9	
14	Y		16.2 13.5	144	34	11.0	
15	B		13.0 12.0	123	34	8.9	
16	R	~~8:35~~ 7:35	12.2 10.9	113	34	7.9	
17	Y		9.5 8.5	88	34	5.4	
18	B		8.3 7.0	74	34	4.0	
19	Y	~~8:37~~ 7:37	7.0 6.0	63	34	2.9	

Boat 194+00(N)

F.B. Nov PG. 64

Job No. 8412 Division No. Notes Red. M.T. Plotted Profile No.

Survey of Beach Erosion Date 12-8-48 Date X-Sec.

Survey by Meinecke Notes ETM Jr. 11-23-48 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks	
196	184	1	R	9:37	91°20'	RANGE LINE	X=90°
+00	+00	2	Y		91°20'		
(N)	(N)	3	B		90° 15'		
		4	Y		90° 45'		
		5	B		91° 15'		
		6	R	9:41	90° 00'		
	"	7	Y		90° 25'		
		8	B		90° 35'		
	"	9	Y		90° 45'		
		10	B		90° 30'		
		11	R	9:49	89° 10'		
	"	12	Y		89° 40'		
		13	B		89° 25'		
		14	Y		90° 05'		
	500'	15	B		90° 00'		
		16	R	9:58	89° 50'		
		17	Y		90° 25'		
	"	18	B		90° 15'		
		19	Y		90° 00'		

ON 500' OFFSET TO LEFT.

Range

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd ____ Checked ____ Survey by ____
No. ____ Date ____ Date ____ Map No. ____
Checked ____ Date ____

F.B. Vol. 65

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
198	184	1	R	10:18	90° 15'	RANGE LINE ∡=90°
+00	+00	2	Y		90° 10'	
(N)	(N)	3	B		90° 35'	
		4	Y		89° 50'	
		5	B		90° 00'	
		6	R	10:29	90° 10'	
	"	7	Y		90° 35'	
	"	8	B		89° 40'	
		9	Y		90° 00'	
		10	B		88° 40'	
		11	R	10:37	91° 10'	
	"	12	Y		90° 00'	
		13	B		90° 20'	
		14	Y		90° 40'	
	500'	15	B		90° 25'	
		16	R	10:42	89° 25'	
	"					

Range 198+00 (N) ON 500' OFFSET TO LEFT.

F.B. 1602 PG. 66

Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

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

Survey by KLEINECK Notes HHR 11-23-48 Notes Chkd. ____ Checked ____ No. ____

Indexed C. Johnson Date ____ Date ____ Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
202+	N-10	1	R	9 37	25 25	Rangeline 196+00(N)
00		2	Y		26 20	
		3	B		26 15	o.k.
		4	Y		27 25	
	"	5	B		28 15	
	"	6	R	9 41	29 15	
	"	7	Y		30 00	
	"	8	B		31 20	
	"	9	Y		33 55	
	"	10	B		36 25	
	"	11	R	9 50	41 15	
	"	12	Y		43 40	
	"	13	B	—	46 45	
	"	14	Y		52 00	
	"	15	B		55 45	
	"	16	R	9 58	60 20	
	"	17	Y		63 40	
	"	18	B		67 00	
	"	19	Y	10 03	69 45	
	"	20	B			

OFFSET 500 To The Left

Cut-in

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1502 Pg. 67
No. ____ Date ____ Date ____ Survey of Reach erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-23-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
1917 18 (N)	N-10	1	R	1019	113 55	Range line 198+00 (N)
		2	Y		116 10	
		3	B		121 30	
		4	Y		125 05	
		5	B		130 00	
	"	6	R	1029	134 20	
		7	Y		140 00	
	"	8	B		143 30	
	"	9	Y		146 05	
		10	B		147 10	
	"	11	R	1037	152 00	
		12	Y		154 05	
	"	13	B		155 00	
		14	Y		156 30	
		15	B		157 50	
	"	16	R	1042	158 40	
		17	Y			
		18	B			
		19	Y			
		20	B			

Cut-in 198+00 (N)

OFFSET 500 TO The left

F.B. Bond 68

Job No. 842 Division No. Notes Red Plotted Profile

Survey of Beach erosion Date Date No.

Survey by Kleinack Notes S.W. 11-23-48 Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red ink Plotted Job No. 5412 Division No. 1
No. Date 12-8-48 Date Survey of Rivergrade Area
X-Sec. Notes Ckd. Checked Surv. by Rivergrade Area
No. Date Date Map No. Indexed Date

STATION	Color	B. S. Time	H. I. Mean Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	R	~~9:36~~	7.8 6.6	62'	33	2.9	Range Line 196+00(N)
2	Y	8:36	8.9 6.6	78'	33	4.0	
3	B		9.3 8.0	84'	33	5.1	Boat time = shore time
4	Y		11.0 9.9	103'	33	7.0	
5	B		11.5 10.3	107'	33	7.4	
6	R	~~9:44~~	15.0 11.5	120'	33	8.7	
7	Y	8:41	14.5 13.0	135'	33	10.2	
8	B		15.6 14.5	148'	33	11.5	
9	Y		16.3 15.6	158'	33	12.5	
10	B		18.2 16.0	167'	33	13.4	
11	R	~~9:49~~	19.2 18.0	184'	33	15.1	
12	Y	8:49	20.1 19.9	202'	33	16.9	
13	B		22.5 21.8	220'	33	18.7	
14	Y		24.2 22.8	233'	33	20.0	
15	B		25.0 23.5	240'	33	20.7	
16	R	~~9:58~~	26.0 25.0	253'	33	22.0	
17	Y	8:58	27.0 26.3	265'	33	23.2	
18	B		28.4 27.3	277'	33	24.4	
19	Y	~~10:03~~ 9:03	30.8 28.8	292'	33	25.9	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
202	184	1	R	11:27	90° 25	RANGE LINE ∡ = 90°
+00	+00	2	Y		90° 15	
(N)	(N)	3	B		90° 00	
		4	Y		90° 00	
		5	B		89° 30	
	"	6	R	11:40	90° 00'	
		7	Y		89° 40'	
		8	B		90° 10'	
	"	9	Y		89° 50'	
		10	B		90° 30'	
		11	R	11:45	90° 35'	
		12	Y		90° 20'	
	"	13	B		90° 35'	
		14	Y		90° 20'	
	" 500'					

Range 202+00(N) ON 500' OFFSET TO LEFT.

F.B. Sopa. 72 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by KLEINECK Notes HH12 11-23-48 Notes Chkd. Checked
Indexed A. O. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
1947 00	N-10	1	R	1052	15750	Range line 200+00 (N)
		2	Y		15650	
		3	B		15555	
		4	Y		15435	
		5	B		15240	
		6	R	1057	15050	
		7	Y		14740	
		8	B		14510	
		9	Y		14220	
		10	B		13805	
		11	R	1102	13445	
		12	Y		13255	
		13	B		12940	
		14	Y		12505	
		15	B		12200	
		16	R	1112	11650	
		17	Y		11500	
		18	B	1115	11250	
		19	Y			
		20	B			

OFFSET 500' TO THE LEFT

Cut-in

Profile No. ___ Date ___ Notes Red ___ Plotted ___ Job No. 8472 Division No. ___ F.B. 4672 Pg. 73

X-Sec. No. ___ Date ___ Notes Chkd ___ Checked ___ Survey of Beach Erosion

Survey by Kleinrock Notes C.R. [illegible] N-23-48

Map No. ___ Date ___ Map No. ___ Date ___

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
194+00	N-10	1	R	11 27	118 40	Range line 202+00(N)
		2	Y		122 20	
		3	B		129 25	
		4	Y		134 55	
		5	B		138 30	
	"	6	R	11 39	147 25	
	"	7	Y		149 05	
	"	8	B		152 00	
	"	9	Y		155 45	
	"	10	B		159 00	
	"	11	R	11 44	160 20	
	"	12	Y		161 40	
	"	13	B		162 45	
	"	14	Y		164 15	
	"	15	B			
	"	16	R			
		17	Y			
		18	B			
		19	Y			
		20	B			

Cut-in 202+00(N) OFFSET SUB. TO THE LEFT

F.B. 1502 No. 74
Job No. 8442 Division No. Notes Red. Plotted No. Profile
Survey of Beach erosion Date Date X-Sec.
Survey by Elmer Notes S.H. 11-23-48 Notes Chkd. Checked No.
Indexed A. C. Jennings Date Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ Notes Red Date 12-3-45 Plotted ____ Job No. 845 Division No. K
X-Sec. No. ____ Notes Ckd. Date ____ Checked Date ____ Survey by Kramer & Tammen Map No. ____

STATION		B. S.	H. I. Mean Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
#	Colo.	Time	8.0		4.0		
1	R	~~10:51~~	6.1	6 7	35	3.2	Range Line 200+00
2	Y	9:51	9.5 / 8.0	8 5	35	5.0	
3	B		11.0 / 9.0	9 7	35	6.2	
4	Y		12.3 / 11.0	11 4	35	7.9	
5	B		14.2 / 12.8	13 3	35	9.8	
6	R	~~10:57~~	16.5 / 14.8	15 4	35	11.9	
7	Y	9:57	18.2 / 16.2	16 9	35	13.4	
8	B		18.5 / 17.8	18 0	35	14.5	
9	Y		20.0 / 19.0	19 3	35	15.8	
10	B		22.5 / 21.0	21 5	35	18.0	
11	R	~~11:02~~	23.5 / 22.7	23 0	36	19.4	
12	Y	10:02	23.4 / 22.5	22 8	36	19.2	
13	B		24.4 / 23.8	24 0	36	20.4	
14	Y		25.7 / 24.0	24 6	36	21.0	
15	B		26.3 / 25.3	25 6	36	22.0	
16	R	~~11:12~~	27.5 / 26.8	26 5	36	22.9	
17	Y	10:12	28.3 / 27.0	27 4	36	23.8	
18	B	~~11:16~~	29.4 / 28.4	28 7	36	25.1	
19	Y	10:16					
20	B						

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	Meas. Depth	F. S. Botom	Ht. Tide	Adj. Depth		Remarks
1	R	~~11 27~~	29.7 / 28.4	28 8 ✓	37	25.1	Range Line 202+00 (N)	
2	Y	10:27	27.8 / 26.3	26 8 ✓	37	23.1	Boat going in	
3	B		26.5 / 25.5	25 8 ✓	37	22.1		
4	Y		25.3 / 24.0	24 4 ✓	37	20.7		
5	B		25.5 / 23.3	24 0 ✓	37	20.3		
6	R	~~11 39~~	22.2 / 21.3	21 6 ✓	37	17.9		
7	Y	10:39	21.5 / 20.1	20 6 ✓	37	16.9		
8	B		20.0 / 18.7	19 1 ✓	37	15.4		
9	Y		18.0 / 16.6	17 1 ✓	37	13.4		
10	B		15.9 / 14.3	14 8 ✓	37	11.1		
11	R	~~11 45~~	12.9 / 12.4	12 6 ✓	38	8.8		
12	Y	10:45	11.4 / 10.6	10 5 ✓	38	6.7		
13	B		10.7 / 8.9	9 5 ✓	38	5.7		
14	Y	~~11 48~~	7.8 / 6.4	6 9 ✓	38	3.1		
15	B	10:48						
16								
17	Y							
18	B							
19	Y							
20	B							

Boat 202+00 (N)

F.B. No. 76 Job No. 8412 Division No. V Notes Red. [illegible] Plotted ____ Profile ____
Survey of Beach Erosion Date 12-8-48 Date ____ No. ____
Survey by Klemack Notes RJM 11-23-48 Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed [illegible] Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
204	184	1	R	11:57	90° 10'	RANGE LINE ∡ = 90°
+00	+00	2	Y		91° 15'	
(N)	(N)	3	B		89° 50'	
		4	Y		89° 30'	
		5	B		90° 40'	
		6	R	12:02	89° 40'	
		7	Y		89° 45'	
		8	B		90° 00'	
		9	Y		89° 40'	
		10	B		89° 50'	
		11	R	12:09	90° 10'	
		12	Y		90° 00'	
		13	B		90° 00'	
		14	Y		90° 00'	
		15	B		90° 35'	
		16	R	12:14	89° 40'	
		17	Y		90° 00'	
		18	B		90° 05'	
		19	Y		90° 00'	
		20	B		89° 55'	

ON 500' OFFSET TO LEFT.

" LEFT.

" 500'

" =

Range.

CONTINUED

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F.B. Hor. Pg. 77

X-Sec. No. ____ Date ____ Date ____ Supervisor BEACH EROSION

Notes Chkd. ____ Checked ____ Served by KLEINECK Notes HHR Date 11-23-48

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

F.B. 1509 Pg. 78 Job No. 8412 Division No. ______ Notes Red. ______ Plotted ______ Profile No. ______
Survey of BEACH EROSION Date ______ Date ______
Survey by KLEINECK Notes HHR 11-23-48 Notes Chkd. ______ Checked ______ X-Sec.
Indexed A. C. J[illegible] Date ______ Date ______ Date ______ No. ______

Range
204+00 (N) Cont'd

ON 500' OFFSET TO LEFT

" 500' " " "

Inst. @ At	Sight Cn.	#	Color	Time	Hor. Ang.	Remarks
204+00 (N)	184+00 (N)	21	R	12:24	90° 05'	Range Line ∡=90°
		22	Y		90° 00'	
		23	B		90° 10'	

FORM 307 EM 1-46
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line.
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FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	B.S. Sight On	H.I. #	F.S. Color	ELEV. Time	Hor. Ang.	Remarks
194+00	N-10	1	R	11 57	168 15	Rangeline 204+00 (N)
		2	Y		167 55	
		3	B		167 25	
		4	Y		167 40 ok	
	"	5	B		166 00	
	"	6	R	12 02	165 10	
		7	Y		164 05	
	"	8	B		163 45	
	"	9	Y		162 40	
	"	10	B		161 25	
		11	R	12 09	160 00	
	"	12	Y		159 05	
	"	13	B		157 10	
		14	Y		154 50	
		15	B		152 40	
		16	R	12 13	150 25	
	"	17	Y		148 05	
		18	B		146 05	
		19	Y		140 30	
		20	B		136 30	

OFFSET 500' TO THE LEFT

Cut-in

Contd on next pg.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 84412 Division No. ____ F.B. 4602 Pg. 79
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Index [illegible]

F.B. No. Pg. 90 Job No. 842 Division No. ____ Notes Red. ____ Plotted ____ Profile No. ____

Survey of Beach erosion Date ____ Date ____

Survey by Kleinmeck Notes 8.14 1/23-48 Notes Chkd. ____ Checked ____ X-Sec.

Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight Cn	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
1944 00 (N)	N-10	21	R	11 23	131 35	Range line 204+00
		22	Y		127 55	Cont'd from preceding pg.
	"	23	B		124 05	
	"	24	Y			

Cut in 204+00 (N) Contd.
OFFSET 500 To The LEFT

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line. 3(19)12

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	R	~~11:57~~	7.2 4.9	5 7	39	1.8	Range Line 204+00 (N)
2	Y	10:57	6.3 5.5	5 8	39	1.9	
3	B		7.5 6.5	6 8	39	2.9	
4	Y		8.0 5.9	6 6½	39	2.7	
5	B		12.5 8.3	9 7½	39	5.8	
6	R	~~12:02~~	12.0 10.0	10 7½	39	6.8	
7	Y	11:02	13.8 10.9	11 9½	39	8.0	
8	B		14.9 12.9	13 6½	39	9.7	
9	Y		15.0 13.8	14 2½	39	10.3	
10	B		17.0 15.5	16 0½	39	12.1	
11	R	~~12:09~~	19.5 16.7	17 6½	40	13.6	
12	Y	11:09	19.5 17.9	18 4½	40	14.4	
13	B		21.7 18.8	19 8½	40	15.8	
14	Y		22.5 20.0	20 8½	40	16.8	
15	B		23.0 21.7	22 1½	40	18.1	
16	R	~~12:14~~	24.0 23.0	23 3½	40	19.3	
17	Y	11:14	25.1 23.3	23 9½	40	19.9	
18	B		25.0 24.0	24 3½	40	20.3	
19	Y		26.0 25.0	25 3½	40	21.3	
20	B		26.8 26.8	26 3½	40	22.3	contd on next page

Boat

Profile
Notes Red 7M-3L Plotted Job No. 2447 Division No. 4
Date 12-8-48 Date Survey of Beach Erosion
No. X-Sec. Notes Chkd. Checked
No. Date Date Map No. Indexed Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H.L. Meas. Depth	F. S. Botom	Elev. Ht. Tide	Adj. Depth		Remarks
21	R	~~12:24~~	27.9 26.5	27.0	41	22.9	Range Line 204+00 (N) (Contd.)	
22	Y	11:24	28.6 27.0	27.5	41	23.4		
23	B	~~12:30~~	30.0 29.1	29.4	41	25.3		
24		11:30						
25								

Boat 204+00 (N) Contd.

F.B. 1102 Pg. 82

Job No. 8427 Division No. 1 Notes Red M.K. Plotted No. Profile

Survey of Beach Erosion Date 12-8-48 Date X-Sec.

Survey by Kleineck Notes RJM 11-23-48 Notes Chkd. Checked No.

Indexed C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. Hight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
206	184	1	R	12:37	90° 00	RANGE LINE ∡ = 90°
+00	+00	2	Y		89° 55'	
(N)	(N)	3	B		90° 10'	
		4	Y		90° 30'	
		5	B		90° 10'	
		6	R	12:45	90° 00'	
	=	7	Y		90° 10'	
		8	B		90° 10'	
		9	Y		90° 10'	
	=	10	B		90° 00'	
		11	R	12:48	90° 10'	
		12	Y		90° 30'	
	=	13	B		90° 40'	
		14	Y		90° 15'	
	500'	15	B		90° 00'	
		16	R	12:53	90° 40'	
	=					

ON 500' OFFSET TO LEFT

Range 206+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 507 Pg. 83
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey by KLEINECK Notes HHD Date 11-23-48
No. ____ Date ____ Date ____ Map No. ____ Index C. Sam [illegible]

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
208	200	1	R	9:05	90° 10'	RANGE LINE ∡ = 90°
+00	+00	2	Y		90° 00'	
(N)	(N)	3	B		90° 55'	
		4	Y		91° 15'	
		5	B		90° 40'	
		6	R	9:09	90° 35'	
	=	7	Y		91° 00'	
		8	B		90° 50'	
	=	9	Y		90° 30'	
		10	B		90° 20'	
		11	R	9:12	90° 30'	
		12	Y		90° 05'	
	=	13	B		90° 05'	
		14	Y		90° 25'	
		15	B		90° 00'	
	500'	16	R	9:16	90° 30'	
		17	Y		90° 20'	
	=	—				

Range 208+00 (N) ON 500 OFFSET TO LEFT

F.B. Nov. 84 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by KLEINECK Notes HHR 11-24-48 Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
1944 00 (N)	W-10	1	R	1236	131 15	Range line 206+00
		2	Y		132 30	
		3	B		138 30	
		4	Y		145 40	
		5	B		151 50	
		6	R	1242	156 55	
		7	Y		159 00	
	"	8	B		161 20	
	"	9	Y		163 00	
		10	B		164 30	
		11	R	1247	166 05	
	"	12	Y		167 35	
		13	B		168 45	
		14	Y		168 35	OK
	"	15	B		168 45	
		16	R	1253	169 15	
	"	17	Y			
		18	B			
		19	Y			
		20	B			

On 500 Offset to left

Cut-in

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8472 Division No. ____ F.B. 1507 Pg. 85

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-23-48

No. ____ Date ____ Date ____ Map No. ____ Plotted ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
202+00(N)	N-10	1	R	9:04	159 50	Range Line 208+00 (N)
		2	Y		158 50	
		3	B		157 45	
		4	Y		156 00	
		5	B		154 15	
	"	6	R	9:08	152 35	
		7	Y		151 15	
	"	8	B		148 40	
		9	Y		147 05	
	"	10	B		144 35	
	"	11	R	9:11	142 25	
	"	12	Y		139 25	
		13	B		136 30	
		14	Y		130 25	
	"	15	B		124 00	
		16	R	9:17	119 25	
		17	Y		113 35	

Cut-in 208+00 (N) Offset 500 ft to the Left

F.B. 1507 Pg. 86

Job No. 84126 Division No. Notes Red. Plotted Date No. Profile

Survey of Beach Erosion Date X-Sec.

Survey by Kliebeck Notes E.T.M. Jr. 11-24-48 Notes Chkd. Checked Date No.

Indexed A. C. Johnson Date Date

FORM 307 2M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.			
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	#	Remarks
1	R	~~12:37~~	30.0 29.0	29 3✓	42	25.1		Range Line 206 +00 (N)
2	Y	11:37	29.2 28.0	28 4✓	42	24.2		
3	B		27.4 26.7	26 9✓	42	22.7		
4	Y		26.0 25.0	25 3✓	42	21.1		
5	B		26.0 23.4	24 3✓	42	20.1		
6	R	~~12:45~~	23.0 22.1	22 4	42	18.2		
7	Y	11:45	22.3 21.0	21 4✓	42	17.2		
8	B		21.0 19.0	19 7✓	42	15.5		
9	Y		19.2 17.9	18 3✓	42	14.1		
10	B		17.6 16.6	16 9✓	42	12.7		
11	R	~~12:48~~	15.4 14.0	~~14 4~~ 14 5	42	10.3		
12	Y	11:48	13.4 12.3	12 7✓	42	8.5		
13	B		12.0 10.0	10 7✓	42	6.5		
14	Y		10.0 9.0	9 3✓	42	5.1		
15	B		9.5 8.2	8 6✓	42	4.4		
16	R	~~12:52~~	7.5 7.0	7 2✓	43	2.9		
17	Y	11:52						
18	B							
19	Y							
20	B							

Boat
206 [illegible]

Profile No. ____ Notes Red. M.J. Plotted ____ Date 12-8-48 Date ____
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Date ____
Job No. 8412 Division No. V
Survey of Beach Erosion
Survey by Klauser Notes R.V.M. Date 11/23/48
Map No. ____ Indexed J. [illegible] Date ____
F.B. [illegible] P.G. 87

FORM 307 2M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~09 05~~	8.5 / 6.2	7 0✓	34	3.6	Range Line 208+00 (N)
2	Y	8:05	9.5 / 7.5	8 2✓	34	4.8	Boat going out
3	B		12.0 / 8.5	9 7✓	34	6.3	
4	Y		13.0 / 10.4	11 3✓	34	7.9	
5	B		13.2 / 11.8	12 3✓	34	8.9	
6	R	~~09~~	15.1 / 13.5	14 0✓	33	10.7	
7	Y	8:09	17.0 / 15.2	15 8✓	33	12.5	
8	B		18.8 / 16.8	17 5✓	33	14.2	
9	Y		19.7 / 18.2	18 7✓	33	15.4	
10	B		20.8 / 19.2	19 7✓	33	16.4	
11	R	~~12~~	22.2 / 20.4	21 0✓	33	17.7	
12	Y	8:12	23.3 / 21.7	22 2✓	33	18.9	
13	B		24.3 / 23.0	23 4✓	33	20.1	
14	Y		25.3 / 24.0	24 4✓	33	21.1	
15	B	8:17	26.8 / 25.6	26 0✓	33	22.7	
16	R	~~17~~	28.1 / 26.2	26 8✓	33	23.5	
17	Y	~~09 19~~	30.0 / 28.0	28 7✓	33	25.4	Last shot
18	B	8:19					Boat 208+00 (N)
19	Y						
20	B						

F.B. 15 Pg. 88
Job No. 8412 Division No. ✓ Notes Red. M.X. Plotted ____ No. ____ Profile
Survey of Beach Erosion Date 12-8-48 Date ____ X-Sec.
Survey by Kleinecke Notes RJM 11/24/48 Notes Chkd. ____ Checked ____ No. ____
Indexed A. C. Johnson Date ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
210	200	1	R	9:27	90°15'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90°00'		
(N)	(N)	3	B		90°15'		
		4	Y		90°10'		
		5	B		90°20'		
		6	R	9:36	90°20'		
		7	Y		90°00'		
	=	8	B		89°50'		
		9	Y		90°00'		
	=	10	B		90°00'		
		11	R	9:40	90°00'		
		12	Y		90°00'		
	=	13	B		90°35'		
		14	Y		90°40'		
ON 500' OFFSET TO LEFT							
	= 500'						

Range

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 4 [illegible] 89

No. ____ Date ____ Date ____ Survey of BEACH EROSION

X-Sec. Notes Child ____ Checked ____ Survey by [illegible] Nov. 11-12 [illegible] 11-24-1948

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

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
212 +00 (N)	200 +00 (N)	1	R	9:50	90° 05'	RANGE LINE ∡ = 90°
		2	Y		89° 50'	
		3	B		90° 05'	
		4	Y		90° 20'	
		5	B		90° 00'	
		6	R	9:55	89° 35'	
		7	Y		89° 50'	
		8	B		89° 30'	
		9	Y		89° 50'	
		10	B		89° 45'	
		11	R	9:58	90° 05'	
		12	Y		90° 00'	
	"	13	B		90° 15'	
		14	Y		90° 00'	
	"	15	B		89° 55'	
	"	16	R	10:03	89° 50'	
		17	Y		89° 40'	
	500'	18	B		90° 25'	
		19	Y		89° 55'	
	"	—				

ON 500' OFFSET TO LEFT ON PRODUCTION OF SOUTH TANGENT.

To the north

Range 212+00 (N)

F.B. 1500 Pg. 90

Job No. 8412 Division No. ____ Notes Red ____ Plotted ____ Profile

Survey of BEACH EROSION Date ____ Date ____ No. ____

Survey by KLEINECK Notes HHR 11-24-48 Notes Chkd ____ Checked ____ X-Sec.

Indexed A. C. Johnson Date ____ Date ____ No. ____

Profile Notes Red. ______ Plotted ______ Job No. 8412 Division No. ______ F.B. 4070 Pg. 91

No. ______ Date ______ Date ______ Survey of Beach Erosion

X-Sec. Notes Chkd. ______ Checked ______ Survey By Klinagel [illegible]

No. ______ Date ______ Date ______ Map No. ______ Indexed C. Jensen Date ______

FORM 307 5M 1-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
202+00(N)	N-10	1	R	9:26	118° 05'	Range Line 210+00(N)
		2	Y		121 40	
		3	B		126 05	
		4	Y		130 55	
		5	B		136 50	
		6	R	9:35	144 25	
	"	7	Y		148 25	
	"	8	B		151 45	
	"	9	Y		154 55	
	"	10	B		158 25	
	"	11	R	9:40	160 40	
	"	12	Y		161 50	
		13	B		163 00	
		14	Y		164 05	

Offset 500 ft to the left

Cut in 210+00(N)

FORM 307 5M 1-46

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STATION Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
202+00(N)	N-10	1	R	9:50	167° 20'	Range Line 212+00(N)
		2	Y		167° 10'	
		3	B		166 25	
		4	Y		165 15	
	"	5	B		164 45	
		6	R	9:53	163 40	
	"	7	Y		161 55	
	"	8	B		161 05	
	"	9	Y		160 15	
	"	10	B		158 50	
		11	R	9:58	156 40	
		12	Y		154 30	
	"	13	B		152 30	
		14	Y		149 15	
		15	B		145 50	
		16	R	10:02	141 30	
		17	Y		137 00	
		18	B		128 45	
		19	Y		124 30	

Cut-in 212+00(N) Offset 500 ft to the Left

F.B. 1/0 Pg. 92 Job No. 8412 Division No. Notes Red Plotted Profile
Survey of Beach Erosion Date Date No.
Survey by Remcal Notes E.J.M. Jr. 11-24-48 Notes Chkd Checked X-Sec.
Indexed L. C. Johnson Date Date Date No.

FORM 307 5M 1-46

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LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~9 27~~	31.1 28.7	29 5✓	32	26.3	Range Line 210+00 (N)
2	Y	8:27	28.5 27.5	27 8✓	32	24.6	Boat going in
3	B		27.2 26.2	26 5✓	32	23.3	
4	Y		26.8 25.1	25 7✓	32	22.5	
5	B		26.0 23.5	24 3✓	32	21.1	
6	R	~~9 36~~	23.5 22.1	22 6✓	31	19.5	
7	Y	8:36	24.0 20.5	21 7✓	31	18.6	
8	B		20.3 18.8	19 3✓	31	16.2	
9	Y		20.4 16.7	17 9✓	31	14.8	
10	B		16.5 14.7	15 3✓	31	12.2	
11	R	~~9 41~~	13.5 12.0	12 5✓	31	9.4	
12	Y	8:41	11.7 10.1	10 6✓	31	7.5	
13	B		10.5 8.0	8 8✓	31	5.7	
14	Y	~~9 43~~	8.9 6.9	7 6✓	31	4.5	Last shot
15	B	8:43					
16	R						
17	Y						
18	B						
19	Y						
20	B						

Boat

Profile No. ___ Notes Red M. J. Plotted ___ Job No. 8412 Division No. ✓ F.B. [illegible]
Date 12-8-48 Date ___ Survey of Beach Erosion
X-Sec. Notes Chkd ___ Checked ___ Survey of Kleinecke, RTM [illegible]
No. ___ Date ___ Date ___ Map No. ___ Indexed ___ Date ___

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~9 50~~	8.0 / 6.0	6 7✓	30	3.7	
2	Y	8:50	9.7 / 7.0	7 9✓	30	4.9	Range Line 212+00
3	B		10.4 / 7.8	8 7✓	30	5.7	Boat going out
4	Y		10.2 / 9.1	9 5✓	30	6.5	
5	B		13.0 / 10.1	11 1✓	30	8.1	
6	R	~~9 54~~	14.1 / 12.1	12 8✓	30	9.8	
7	Y	8:54	15.9 / 13.8	14 5✓	30	11.5	
8	B		17.2 / 15.0	15 7✓	30	12.7	
9	Y		17.3 / 16.7	16 9✓	30	13.9	
10	B		19.3 / 17.4	18 0✓	30	15.0	
11	R	~~9 58~~	20.1 / 18.6	19 1✓	30	16.1	
12	Y	8:58	22.0 / 20.4	20 9✓	30	17.9	
13	B		23.7 / 21.5	22 2✓	30	19.2	
14	Y		25.6 / 22.4	23 5✓	30	20.5	
15	B		25.4 / 23.7	24 ~~2~~ 3	30	21.3	
16	R	~~10 03~~	25.2 / 24.2	24 5✓	29	21.6	Boat 212+00 (N)
17	Y	9:03	26.7 / 25.2	25 7✓	29	22.8	
18	B		27.7 / 26.5	26 9✓	29	24.0	
19	Y	~~10 09~~	30.2 / 28.0	28 7✓	29	25.8	Last shot
20	B	9:09					

F.B. 150 pg. 94 Job No. 8412 Division No. V Notes Red. MCJ Plotted ____ Profile ____
Survey of Beach Erosion Date 12-8-48 Date ____ No. ____
Survey by Kleineck Notes RTM 11/24/48 Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
214 "N-13"	1	R	10:18	89° 55'	RANGE LINE ∡ = 90°	
+00	2	Y		89° 55'		
(N)	3	B		90° 00'		
	4	Y		90° 10'		
	5	B		90° 00'		
	6	R	10:28	89° 55'		
	7	Y		89° 55'		
	8	B		90° 05'		
"	9	Y		90° 00'		
	10	B		89° 55'		
"	11	R	10:34	90° 15'		
	12	Y		90° 30'		
"	13	B		90° 10'		
	14	Y		90° 45'		
	15	B		90° 20		
ON 600' OFFSET TO LEFT. 600'						
"						

Range

Profile Notes Red ____ Plotted ____ Job No. 842 Division No. ____ F.B. 1602 Pg. 95
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-24-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
216	N-13	1	R	10:44	90° 25'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 55'		
(N)		3	B		90° 10'		
		4	Y		89° 00'		
		5	B		89° 05'		
		6	R	10:47	89° 40'		
		7	Y		89° 50'		
		8	(B) Y		90° 20'		
	"	9	Y		90° 35'		
	"	10	B		90° 00'		
		11	R	10:51	89° 55'		
		12	Y		90° 00'		
	"	13	B		90° 00'		
		14	Y		90° 10'		
		15	B		90° 25'		
	600'	16	R	10:56	90° 40		
		17	Y		89° 20'		
		18	B		90° 20'		
	"						

Range 216+00 (N) ON 600 OFFSET TO LEFT.

F.B. 15 Sep. 96

Job No. B412 Division No. Notes Red. Plotted Profile

Survey of BEACH EROSION Date Date No.

Survey by KLEINECK Notes HHR 11-24-48 Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
208+00(N)	N-10	1	R	10 18	109 40	Range Line 214+00 (N)
		2	Y		111 00	
		3	B		115 00	
		4	Y		118 40	
		5	B		123 50	
		6	R	10 27	129 05	
	"	7	Y		136 25	
	"	8	B		139 30	
	"	9	Y		143 30	
	"	10	B		148 05	
	"	11	R	10:33	151 00	
	"	12	Y		154 30	
	"	13	B		155 45	
	"	14	Y		157 25	
		15	B		158 40	

Offset 500 ft to the left

Cut-in
214+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1502 Pg. 97
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Klinger & Nelson E.T.M. Inc. 1124-48
No. ____ Date ____ Date ____ Map No. ____ Andrew Jones Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
208+00(N)	N-10	1	R	10:43	163° 55'	Range Line 216+00 (N)
		2	Y		162 50	
		3	B		162 55	O.K.
		4	Y		161 20	
		5	B		160 25	
		6	R	10:46	159 00	
		7	Y		158 25	
	"	8	Y B		157 05	
	"	9	Y		155 10	
	"	10	B		153 30	
	"	11	R	10:50	150 35	
	"	12	Y		147 50	
	"	13	B		145 05	
	"	14	Y		141 00	
		15	B		134 50	
		16	R	10:56	127 10	
		17	Y		122 15	
		18	B		119 15	

Cut-in 216+00 (N)
Offset 500 ft to the left

F.B. 150 Pg. 98
Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by Klieneck Notes E.T. M.Jr. 11-29-48 Notes Chkd. ____ Checked ____ X-Sec.
Indexed C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10-19~~	30.3 28.1	28 8	2.9	25.9	Range Line 214+00 (N)
2	Y	9:19	30.3 27.7	28 6	29	25.7	
3	B		28.7 26.1	27 0	29	24.1	
4	Y		28.8 24.7	26 1	29	23.2	
5	B		25.9 23.4	24 2	29	21.3	
6	R	~~10-28~~	25.6 23.3	24 1	28	21.3	
7	Y	9:28	23.5 21.3	22 0	28	19.2	
8	B		23.3 20.2	21 2	28	18.4	
9	Y		21.1 18.3	19 2	28	16.4	
10	B		18.0 16.3	16 9	28	14.1	
11	R	~~10-34~~	15.4 13.3	14 0	28	11.2	
12	Y	9:34	13.0 11.2	11 8	28	9.0	
13	B		12.0 9.0	10 0	28	7.2	
14	Y		10.0 7.5	8 3	28	5.5	
15	B	~~10-36~~	8.5 6.3	7 2	28	4.4	Last shot
16	R	9:36					
17	Y						
18	B						
19	Y						
20	B						

Profile No. ____ Notes Red. M. X. Plotted ____ Job No. 8412 Division No. ✓ F.B. No. 99
X-Sec. No. ____ Date 12-8-48 Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Kleiseck Notes RJM Date 12/8/48
Date ____ Date ____ Map No. ____ Indexed J. [illegible] Date ____

Boot

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10 44~~	5.4 8.0	6 ~~6~~ 3 ✓	28	3.5	Range Line 216+00 (N)
2	Y	9:44	10.4 6.4	7 7 ✓	28	4.9	Boat going out
3	B		10.0 7.7	8 5 ✓	28	5.7	
4	Y		10.4 8.7	9 3 ✓	28	6.5	
5	B		10.8 9.6	10 0 ✓	28	7.2	
6	R	~~10 47~~	13.5 11.4	12 1 ✓	28	9.3	
7	Y	9:47	14.4 12.4	13 1 ✓	28	10.3	
8	Y		15.2 13.6	14 1 ✓	28	11.3	wrong flag
9	Y		18.0 14.8	15 9 ✓	28	13.1	
10	B		18.8 16.8	17 5 ✓	28	14.7	
11	R	~~10 51~~	20.8 18.6	19 3 ✓	28	16.5	
12	Y	9:51	23.0 20.4	21 3 ✓	28	18.5	
13	B		23.5 21.8	22 4 ✓	28	19.6	
14	Y		24.4 23.0	23 5 ✓	28	20.7	
15	B		25.8 24.0	24 6 ✓	28	21.8	
16	R	~~10 58~~	26.4 25.5	25 8 ✓	28	23.0	
17	Y	9:58	27.7 26.4	26 8 ✓	28	24.0	
18	B	~~11 01~~	28.4 27.7	27 9 ✓	28	25.1	Last shot
19	Y	10:01					Boat 216+00 (N)
20	B						

F.B. 150 Pg. 100 Job No. 8412 Division No. ✓ Notes Red. M. X. Plotted ____ Date 12-8-48 Date ____ No. ____ Profile ____
Survey of Beach Erasion Date 12-8-48 Date ____ No. ____ X-Sec. ____
Survey by Kleineck Notes RJM 11/24/48 Notes Chkd. ____ Checked ____ Date ____ No. ____
Indexed A. C. Johnson Date ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
218	N-13	1	R	11:12	89° 45'	RANGE LINE ∡ = 90°
+00		2	Y		89° 50'	
(N)		3	B		90° 00'	
		4	Y		89° 30'	
		5	B		90° 25'	
		6	R	11:21	89° 50'	
		7	(Y) B		90° 00'	
		8	B		89° 45'	
		9	Y		89° 35'	
		10	B		89° 40'	
		11	R	11:24	89° 50'	
		12	Y		89° 50'	
		13	B		90° 15'	
		14	Y		89° 40	
ON 600' OFFSET TO LEFT.	600'					

Range

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F.B. Form 107

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

Notes Chkd. ____ Checked ____ Survey by [illegible] H.R. Date 11-24-48

No. ____ Date ____ Date ____ Map No. ____ Index [illegible] Date ____

F.B. 1507 PG. 102 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION Date _____ Date _____ No. _____

Survey by KLEINECK Notes HHR 11-24-48 Notes Chkd. _____ Checked _____ X-Sec.

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

FORM 307 5M 1-46

- PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION Inst. Sight	B.S.	H.I.	F.S.	ELEV.	Remarks
At	On	#	Color	Time	Hor. Ang.
220 +00 (N)	N-13	1	R	11:35	90° 00'
		2	Y		90° 00'
		3	B		90° 25'
		4	Y		90° 00'
		5	B		90° 05'
		6	R	11:39	90° 00'
		7	Y		89° 40'
		8	B		90° 40'
		9	Y		90° 40'
		10	B		90° 00'
		11	R	11:43	90° 10'
		12	Y		90° 10'
		13	B		90° 05'
		14	Y		90° 00'
		15	B		90° 20'
		16	R	11:50	90° 15'
		17	Y		90° 35'
		18	B		90° 00'

Range
220+00 (N)
ON 600' OFFSET TO LEFT.
" 600' " " " .

Remarks

RANGE LINE 4 = 90°

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
208+00(N)	N-10	1	R	11:11	121° 05'	Range Line 218+00(N)
		2	Y		126 50	
		3	B		133 10	
		4	Y		138 10	
		5	B		145 10	
		6	R	11:20	151 40	
		7	B Y		156 10	
	"	8	B		158 10	
	"	9	Y		159 20	
	"	10	B		161 50	
	"	11	R	11:24	162 25	
	"	12	Y		163 45	
	"	13	B		166 00	
		14	Y		168 10	

Offset 500 ft to the left

Cut-in

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F.B. No. 103
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kliewer Notes E.T.M. Date 11-24-48
No. ____ Date ____ Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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	Sight	S.	H. I.	F. S.	ELEV.		
At	On	#	Color	Time	Hor. Ang.		Remarks
214+00(N)	N-13	1	R	11:35	158 40	Range Line 220+00 (N)	
		2	Y		157 00		
		3	B		155 40		
		4	Y		154 50		
		5	B		153 30		
		6	R	11:39	152 25		
	"	7	Y		150 55		
	"	8	B		149 05		
	"	9	Y		147 20		
	"	10	B		144 35		
	"	11	R	11:42	140 50		
	"	12	Y		137 55		
	"	13	B		134 30		
		14	Y		127 25		
		15	B		124 20		
		16	R	11:50	118 25		
		17	Y		115 40		
		18	B		113 30		

Cat-in 220+00 (N)
Offset 600 ft to the Left

F.B. 1502 PG. 104
Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Date Date X-Sec.
Survey by Klieneck Notes E.I.M. Jr. 11-24-48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11:13~~	29.6 28.3	28 7v	28	25.9	Range Line 218+00
2	Y	10:13	28.8 26.8	27 5v	28	24.7	Boat going in
3	B		27.0 25.0	25 7v	28	22.9	
4	Y		25.2 23.8	24 3v	28	21.5	
5	B		25.6 22.7	23 7v	28	20.9	
6	R	~~11:21~~	23.3 21.2	21 9v	28	19.1	
7	B	10:21	20.4 19.0	19 5v	28	16.7	
8	B		20.0 17.3	18 2v	28	15.4	
9	Y		18.0 15.7	16 5v	28	13.7	
10	B		15.0 13.4	13 9v	28	11.1	
11	R	~~11:25~~	13.0 11.8	12 2v	28	9.4	
12	Y	10:25	12.6 9.7	10 7v	28	7.9	
13	B		9.5 8.0	8 5v	28	5.7	
14	Y		6.8 4.2	5 1v	28	2.3	Last shot

Boat

Profile No. ___ Date 12-8-48 Notes Red. MJ Plotted ___ Date ___ Job No. 8412 Division No. ✓ Survey of Beach Erosion

X-Sec. No. ___ Date ___ Notes Chkd. ___ Date ___ Checked ___ Date ___ Survey by [illegible] Map No. ___ Date ___ Index No. [illegible] Date ___

F.B. [illegible]

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11 36~~	6.8 9.0	7 5✓	28	4.7	Range Line 220+00
2	Y	10:36	11.0 8.6	9 4✓	28	6.6	Boat going out
3	B		11.0 9.5	10 0✓	28	7.2	
4	Y		13.0 10.8	11 5✓	28	8.7	
5	B		13.2 11.2	11 9✓	28	9.1	
6	R	~~11 39~~	15.4 12.8	13 7✓	28	10.9	
7	Y	10:39	15.5 14.5	14 8✓	28	12.0	
8	B		17.0 16.0	16 3✓	28	13.5	
9	Y		19.0 17.2	17 8✓	28	15.0	
10	B		20.1 18.7	19 2✓	28	16.4	
11	R	~~11 43~~	22.2 20.6	21 1✓	28	18.3	
12	Y	10:43	23.5 22.0	22 5✓	28	19.7	
13	B		24.0 23.2	23 5✓	28	20.7	
14	Y		26.6 24.5	25 2✓	28	22.4	
15	B		26.1 25.1	25 4✓	28	22.6	
16	R	~~11 50~~	28.5 26.1	26 9✓	28	24.1	
17	Y	10:50	28.3 27.0	27 4✓	28	24.6	
18	B		28.7 28.0	28 2✓	28	25.4	Boat shot 220+00 (N)

Job No. 8412 Division No. ✓ Notes Red. M.K. Plotted ____ No. ____ Profile
Survey of Beach Erosion Date 12-8-48 Date ____ X-Sec.
Survey by Kleineck Notes RJM 11/24/48 Notes Chkd. ____ Checked ____ No. ____
Indexed C. [illegible] Date ____ Date ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At " On	#	Color	Time	Hor. Ang.	Remarks	
222 N-13	1	R	12:04	90° 10'	RANGE LINE ∡ =90°	
+00	2	Y		90° 10'		
(N)	3	B		89° 35'		
	4	Y		90° 10'		
	5	B		90° 10'		
	6	R	12:12	89° 50'		
	7	Y		90° 00'		
"	8	B		91° 00'		
	9	Y		90° 10'		
"	10	B		90° 30'		
	11	R	12:16	89° 40'		
	12	Y		90° 20'		
"	13	B		90° 30'		
	14	Y		89° 45'		
ON 600' OFFSET TO LEFT.						
600'						
"						

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-24-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Date ____

Range
222+00 (N)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

Profile No. X-Sec. No.

Job No. Division No. Notes Red Plotted

Survey of Date Date

Survey by Notes Chkd Checked

Indexed Notes Date Date

Pg. 108

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
214+00(N)	N-13	1	R	12 03	118° 50'	Range Line 222+00(N)
		2	Y		123 55	
		3	B		134 35	
		4	Y		140 00	
		5	B		147 20	
	"	6	R	12 10	151 05	
		7	Y		153 50	
	"	8	B		156 10	
	"	9	Y		157 50	
	"	10	B		159 55	
	"	11	R	12 15	160 15	
	"	12	Y		161 40	
		13	B		162 35	
	"	14	Y		164 05	

Offset 600 ft to the left

Cut-in 222+00(N)

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 150 [illegible]
No. ____ Date ____ Date ____ Survey of Bend Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kbrasch Notes E.T. [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight						
At On	#	Color	Time	Hor. Ang.	Remarks	

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

F.B. 150 Pg. 110

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

1.7
50

Profile Notes Red ZZ Plotted Job No. 8412 Division No. V
No. Date 12-8-46 Date Survey Boat Examiner
X-Sec. Notes Chkd Checked Survey by Lieber & Nowell Comp. by
No. Date Date Map No. Approved Date

STATION	B. S.	H. I.	F. S.	ELEV.		
# Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1 R	~~12 04~~	27.7	28 5	28	25.7	Range Line 222+00
2 Y	11:04	28.0	26 7v	28	23.9	Boat comming in
3 B		25.8				
4 Y		24.1	24 7v	28	21.9	
5 B		25.6	23 5	28	21.0	
6 R	~~12 12~~	22.9				
7 Y	11:12	22.6	21 7v	28	18.9	
8 B		21.3				
9 Y		20.8	20 1v	29	17.2	
10 B		19.7				
11 R	~~12 16~~	19.7	18 6v	29	16.7	
12 Y	11:16	18.1				
13 B		18.4	16 8v	29	13.9	
14 Y	~~12 18~~	16.0				
15 B	11:18	16.5	14 9v	29	12.0	
16 R		14.1				
17 Y		15.1	13 3v	29	10.4	
18 B		12.4				
19 Y		12.2	11 1v	29	8.2	
20 B		10.6				
21 R	~~12 16~~	13.0	10 4v	29	7.5	
22 Y	11:16	9.1				
23 B		12.8	9 5v	29	6.6	
24 Y	~~12 18~~	7.8				
25 B	11:18	7.8	6 0v	29	3.1	Last shot
		5.9				

Boat

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
# Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks

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

F.B. 1502 PG. 112

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
224	220	1	R	904	90 20	Range Line ∢ = 90°	
+00	+00	2	Y		90 05		
(N)	(N)	3	W		89 40		
		4	Y		89° 40'		
	"	5	W		89° 20'		
		6	R	9:15	90° 00'		
	"	7	Y		89° 40'		
		8	W		89° 15'		
		9	Y		90° 25'		
	"	10	W		89° 25'		
		11	R	9:22	90° 05'		
		12	Y		90° 15'		
	"	13	W		90° 25'		
		14	Y		90° 20'		
	"	15	W		91° 05'		
		16	R	9:24	90° 30'		
		17	Y		90° 55'		
		18	W		91° 05'		
		19	Y		90° 55'		

On 600' Offset to left

Range
224+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Survey of BEACH EROSION
Date ____ Map No. ____ Date ____
F.B. 4 Pg. 113

F.B. 662 Pg. 114 Job No. 8412 Division No. Notes Red. Plotted Profile

Survey of BEACH EROSION Date Date No.

Survey by KLEINECK Notes HHR 11-29-48 Notes Chkd. Checked X-Sec.

Indexed A. C. J[redacted] Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.	Remarks
Inst. Sight At / On	#	Color	Time	Hor. Ang.	
226+00 (N) / 220+00 (N)	1	R	9:36	91° 10'	RANGE LINE ∡ = 90°
	2	Y		90° 05'	
	3	W		90° 30'	
	4	Y		90° 10'	
	5	W		91° 50'	
	6	R	9:38	91° 05'	
	7	Y		91° 30'	
	8	W		91° 50'	
	9	Y		90° 40'	
	10	W		91° 10'	
	11	R	9:41	91° 00'	
	12	Y		91° 20'	
	13	W		89° 50'	
	14	Y		90° 05'	
	15	W		90° 15'	
	16	R	9:46	90° 00'	
	17	Y		90° 25'	
	18	W		90° 30'	
	19	Y		90° 35'	

Range
.226+00 (N)
ON 600' OFFSET TO LEFT.
" 600' " " " .

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
218+	N-13	1	R	(9:04) 832	113 05	Range Line 224+00 (N)
00		2	Y		114 25	
		3	W		118 05	
		4	Y		125 30	
		5	W	(9:15)	133 00	
		6	R	42	136 20	
		7	Y		141 40	
	"	8	W		143 35	
		9	Y		145 45	
		10	W		149 00	
	"	11	R	(9:22) 50	150 15	
		12	Y		151 00	
	"	13	W		153 00	
		14	Y		154 40	
	"	15	W	(9:24)	155 45	
		16	R	52	157 15	
		17	Y		159 40	
		18	W		162 10	
		19	Y		162 40	
		20				

Offset 600' to the Left

Offset

Cut-in 224+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. V

No. ____ Date ____ Date ____ Survey of Beach Erosion

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

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

F.B. [illegible] No. 115

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
218	N-13	1	R	9 ~~04~~ 36	166 45	Range Line 226 +00 (N)
+00		2	Y		164 55	
		3	W		163 50	
		4	Y		162 45	
		5	W		161 40	
		6	R	~~07~~ 38	160 45	
	"	7	Y		159 35	
		8	W		158 35	
	"	9	Y		157 40	
		10	W		155 35	
	"	11	R	~~09~~ 41	154 10	
		12	Y		152 10	
	"	13	W		150 00	
		14	Y		144 35	
		15	W		141 00	
		16	R	~~14~~ 46	136 15	
		17	Y		129 35	
		18	W		125 10	
		19	Y		121 05	
		20				

Cut-in 226+00 (N) offset 600' to the Left

Profile No. X-Sec. No.

Job No. 8412 Division No. V Notes Red. Plotted Date

Survey of Beach Erosion Date

Survey by Kleineck Notes RJM 11/29/46 Notes Chkd. Checked Date

Indexed A. C. Johnson Date

F.B. 150 Pg. 116

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red. M.X. Plotted Job No. 8412 Division No.
No. Date 12-8-48 Date Survey of Beach Erosion
No. Date Notes Chkd. Checked Survey by
No. Date Map No. Checked by Date
F.B. Work

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:04~~	34 0 32 0	32.7	6.5	26.2	RANGE LINE 224+00 (N)
2	Y	8:04	30 8 31 8	31.7	6.5	24.7	
3	W		29 0 30 0	30.7	6.5	23.7	
4	Y		28 0 29 1	28.9	6.5	22.4	
5	W		27 5 28 5	28.0	6.5	21.5	
6	R	~~9:14~~	26 5 27 5	27.1	6.4	20.7	
7	Y	8:14	24 5 25 5	25.1	6.4	18.7	
8	W		23 0 24 0	23.8	6.4	17.4	
9	Y		21 5 22 5	22.5	6.4	16.1	
10	W		20 3 21 0	20.8	6.4	14.4	
11	R	~~9:21~~	19 0 19 7	19.7	6.4	13.3	
12	Y	8:21	17 5 18 3	18.3	6.4	11.9	
13	W		16 8 16 9	16.9	6.4	10.3	
14	Y		14 8 14 9	14.9	6.4	8.5	
15	W		13 7 13 4	13.4	6.4	7.0	
16	R	~~9:24~~	11 9 11 8	11.8	6.3	5.5	
17	Y	8:24	9 8 9 9	9.9	6.3	3.6	
18	W		8 7 9 8	9.8	6.3	3.5	
19	Y		8 0	9.0	6.3	2.7	

Boat 224+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~9:36~~	115 / 80	92	62	3.0	RANGE LINE 226+00N
2	Y	8:36	112 / 90	97	62	3.5	
3	W		116 / 98	105	62	4.3	
4	Y		130 / 104	113	62	5.1	
5	W		140 / 117	125	62	6.3	
6	R	~~9:38~~	154 / 130	138	62	7.6	
7	Y	8:38	167 / 141	150	62	8.8	
8	W		182 / 155	164	62	10.2	
9	Y		200 / 170	180	62	11.8	
10	W		212 / 191	198	62	13.6	
11	R	~~9:41~~	222 / 205	211	62	14.9	
12	Y	8:41	240 / 220	227	62	16.5	
13	W		260 / 240	247	62	18.5	
14	Y		280 / 260	267	61	20.6	
15	W		290 / 272	278	61	21.7	
16	R	~~9:45~~	298 / 280	286	60	22.6	
17	Y	8:45	310 / 291	297	60	23.7	
18	W		310 / 298	302	60	24.2	
19	Y		320 / 305	310	60	25.0	

Boot 226+00(N)

F.B. 1502 Pg. 118

Job No. 8412 Division No. Notes Red M.J. Plotted No. Profile

Survey of Beach Erosion Date 12-8-48 Date X-Sec.

Survey by Heinecke Notes MEB 11-29-48 Notes Chkd. Checked No.

Indexed A. C. Jeanne Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
228	220	1	R	10:05	90° 00'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 15'		
(N)	(N)	3	W		90° 15'		
		4	Y		90° 10'		
		5	W		90° 05'		
		6	R	10:21	90° 55'		
	"	7	Y		90° 00'		
		8	W		89° 50'		
	"	9	Y		90° 40'		
		10	W		90° 15'		
		11	R	10:29	90° 30'		
	"	12	Y		89° 50'		
		13	W		89° 50'		
		14	Y		90° 10'		
		15	W		90° 15'		
	600'	16	R	10:33	90° 20'		
	600'	17	Y		90° 20'		
ON	=						

OFFSET TO LEFT

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. No. 119

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

Notes Chkd ____ Checked ____ Scale ____ Date ____ Date ____ Map No. ____ Date ____

Range 228+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
230	220	1	R	10:46	90° 00'	RANGE LINE ∡ = 90°
+00	+00	2	Y		90° 00'	
(N)	(N)	3	W		91° 20'	
		4	Y		91° 10'	
		5	W		91° 00	
		6	R	10:51	90° 05'	
		7	Y		91° 00	
	=	8	W		91° 10'	
		9	Y		91° 00'	
	=	10	W		90° 35'	
		11	R	10:58	90° 30'	
		12	Y		91° 20'	
		13	W		90° 40'	
	=	14	Y		90° 40	
		15	W		91° 15'	
		16	R	11:04	90° 45'	
	600'	17	Y		90° 10'	
		18	W		90° 20	
	=					

Range 230+00 (N) ON 600' OFFSET TO LEFT.

Profile
Plotted No.
Date X-Sec.
Checked No.
Date
Notes Red
Date
Notes Chkd
Date
Division No. 8412
Job No. 8412
Survey of BEACH [illegible]
Survey by [illegible]
Indexed [illegible]
Date 11-29-48
Pd. 120

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
218	N-13	1	R	~~9 33~~ 10 05	126 30	Range Line 228+00 (N)	
+00		2	Y		131 00		
		3	W		133 40		
		4	Y		141 35		
	"	5	W		148 30		
		6	R	~~48~~ 10 21	152 35		
		7	Y		155 35		
	"	8	W		158 05		
		9	Y		158 55		
	"	10	W		160 10		
		11	R	~~56~~ 10 29	161 05		
		12	Y		161 35		
	"	13	W		162 40		
		14	Y		164 30		
		15	W		165 40		
		16	R	10 ~~01~~ 33	166 45		
	"	17	Y		168 45		
		18					
		19					
		20					

Offset 600' to the Left

Cut-in
228+00 (N)

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Job No. 8412 Division No. ✓
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Survey of Beach Erosion
Survey by [illegible] Date ____ Map No. ____ Indexed ____ Date ____

FORM 807 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
224	N-13	1	R	10 ~~14~~ 46	159 25	Range Line 230 +00 (N)
+00		2	Y		156 45	
		3	W		156 05	
		4	Y		154 25	
		5	W		152 30	
		6	R	~~19~~ 51	151 25	
		7	Y		151 00	
		8	W		147 35	
		9	Y		149 40	
		10	W		146 40	
		11	R	~~26~~ 58	144 05	
		12	Y		142 40	
		13	W		139 15	
		14	Y		137 00	
		15	W		133 30	
		16	R	~~32~~ 11:04	127 40	
		17	Y		119 30	
		18	W		115 15	
		19				
		20				

Cut-in 230 +00 (N) offset 600' to the Left

Job No. 8412 Division No. V Notes Red. Platted No. Profile
Survey of Beach Erosion Date Date X-Sec.
Survey by Kleineck Notes RJM 11/29/46 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date No.

P.B. 150 Pg. 122

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10:05~~	330 313	319	58	26.1	
2	Y	9:05	331 305	314	58	25.6	RANGE LINE 228+00 (N)
3	W		307 283	291	57	23.4	
4	Y		288 268	275	57	21.8	
5	W		281 259	266	56	21.0	
6	R	~~10:20~~	265 246	252	55	19.7	
7	Y	9:20	241 223	229	55	17.4	
8	W		225 208	214	55	15.9	
9	Y		213 195	201	54	14.7	
10	W		196 182	187	54	13.3	
11	R	~~10:28~~	184 174	177	53	12.4	
12	Y	9:28	180 157	165	53	11.3	
13	W		162 141	148	53	9.5	
14	Y		132 120	124	53	7.1	
15	W		111 102	105	53	5.2	
16	R	~~10:33~~	100 89	93	52	4.1	
17	Y	9:33	99 75	83	52	3.1	
18	W						
19	Y						

Profile No. ___ Notes Red M.E. Plotted ___ Job No. 8412 Division No. ___ F.B. No. 1723
X-Sec. No. ___ Date 12-8-60 Notes Chkd. ___ Date ___ Map No. ___ Indexed Date ___

Boot
228+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10:46~~	10.0 / 7.9	86	50	3.6	RANGE LINE 230+00 (N)
2	Y	9:46	10.4 / 9.0	95	50	4.5	
3	W		12.4 / 10.2	109	50	5.9	
4	Y		13.9 / 11.9	126	50	7.6	
5	W		15.4 / 13.1	139	50	8.9	
6	R	~~10:51~~	16.2 / 14.5	151	48	10.3	
7	Y	9:51	18.0 / 15.5	163	48	11.5	
8	W		20.0 / 18.0	187	48	13.9	
9	Y		18.9 / 17.0	176	48	12.8	Going back
10	W		21.2 / 19.3	199	48	15.5	
11	R	~~10:57~~	22.4 / 20.9	214	46	16.8	
12	Y	9:57	24.0 / 22.0	227	46	18.1	
13	W		25.5 / 23.5	242	46	19.6	
14	Y		25.9 / 24.8	252	46	20.6	
15	W		27.1 / 25.9	263	46	21.7	
16	R	~~11:04~~	28.5 / 26.7	273	45	22.8	Boat 230+00 (N)
17	Y	10:04	28.4 / 27.4	277	45	23.2	
18	W		30.5 / 29.1	296	45	25.1	

Profile No. ____ X-Sec. No. ____

Job No. 8412 Division No. ____ Notes Red. M. J. Plotted ____

Survey of Beach Erosion Date 12-8-48 Date ____

Survey by Meyer Notes MSB. 11-29-48 Notes Chkd. ____ Checked ____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
232	220	1	R	11:20	90° 00'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 20'		
(N)	(N)	3	W		89° 35'		
		4	Y		89° 30'		
		5	W		90° 10'		
	=	6	R	11:35	90° 25'		
		7	Y		89° 50'		
		8	W		90° 00'		
	=	9	Y		89° 40'		
		10	W		90° 00'		
		11	R	11:41	89° 40'		
	=	12	Y		89° 30'		
		13	W		89° 55'		
		14	Y		89° 55'		
		15	W		90° 10'		
	600'	16	R	11:46	90° 35'		
		17	Y		89° 35'		
	=						

ON 600' OFFSET TO LEFT

Profile No. ____ Notes Red ____ Plotted ____ Job No. [illegible] Division No. ____ F. [illegible]
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Range
232+00 [illegible]

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
234	N-14	1	R	11:57	89° 35'	RANGE LINE ∡=90°	
+00		2	Y		89° 40'		
(N)		3	W		90° 00'		
		4	Y		89° 30'		
		5	W		89° 55'		
		6	R	11:59	89° 30'		
	"	7	Y		89° 45'		
		8	W		90° 05'		
	"	9	Y		89° 45'		
		10	W		89° 40'		
		11	R	12:02	90° 05'		
		12	Y		89° 50'		
	"	13	W		89° 35'		
		14	Y		89° 25'		
		15	W		89° 30'		
	600'	16	R	12:09	89° 35'		
		17	Y		89° 55'		
		18	W		90° 00'		
	"						

Range 234+00 (N) ON 600' OFFSET TO LEFT.

Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of BEACH FRASION Date ____ Date ____ No. ____
Survey by KLEINECK Notes HHR 11-29-48 Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
224	N-13	1	R	~~10 48~~ 11:20	116 05	Range Line 232+00 (N)	
+00		2	Y		117 45		
		3	W		119 45		
		4	Y		124 15		
	"	5	W		127 40		
		6	R	11 ~~03~~ 35	135 45		
		7	Y		139 55		
	"	8	W		146 10		
		9	Y		149 30		
		10	W		151 10		
	"	11	R	~~09~~ 41	153 20		
		12	Y		155 30		
	"	13	W		157 00		
		14	Y		158 35		
		15	W		160 20		
		16	R	11 ~~14~~ 46	163 55		
		17	Y		162 15		
		18					
		19					
		20					

Offset 600' to the Left

Offset

Cut-in 232+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Date ____ Job No. 8412 Division No. ✓ F.B. 1650 P 2/29

X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Date ____ Survey of Beach Erosion Survey by [illegible] Date [illegible]

Map No. ____ Date ____ Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
224	N-13	1	R	11 ~~25~~ 57	165 35	Range Line 234+00 (N)
+00		2	Y		164 35	
		3	W		164 05	
		4	Y		163 05	
	"	5	W		162 00	
		6	R	~~27~~ 59	160 45	
		7	Y		159 50	
	"	8	W		158 35	
		9	Y		156 50	
		10	W		155 00	
	"	11	R	1202 ~~30~~	153 20	
		12	Y		150 05	
		13	W		147 00	
	"	14	Y		141 25	
		15	W		135 20	
		16	R	1209 ~~36~~	129 05	
		17	Y		123 40	
		18	W		122 20	
		19				
		20				

Cut-in 234+00 (N) offset 600' to the Left

Profile
Plotted ____ No. ____
Date ____ X-Sec.
Checked ____ No. ____
Date ____
Notes Red ____ Date ____
Notes Chkd ____ Date ____
Division No. ✓
Job No. 8412
Survey of Beach Erosion
Survey by Kleinecke
Notes RJM 11/29/46
Indexed A. C. Johnson
Date ____
Pg. 178

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11 20~~	32 0 / 30 0	307	41	26.6	Range line 232+00 (W)
2	Y	10:20	31 2 / 29 0	297	41	25.6	
3	W		29 5 / 28 2	286	40	24.6	
4	Y		29 1 / 27 5	280	39	24.1	
5	W		28 0 / 26 0	267	38	22.9	
6	R	~~11 36~~	26 0 / 25 1	254	37	21.7	
7	Y	10:36	25 4 / 24 6	245	37	20.8	
8	W		24 3 / 22 9	234	37	19.7	
9	Y		22 1 / 21 0	214	36	17.8	
10	W		24 4 / 19 2	210	36	17.4	
11	R	~~11 41~~	18 9 / 17 4	179	35	14.4	
12	Y	10:41	17 0 / 15 5	160	35	12.5	
13	W		14 9 / 13 5	140	35	10.5	
14	Y		12 8 / 11 8	121	35	8.6	
15	W		13 0 / 9 7	108 ~~110~~	35	7.3	
16	R	~~11 47~~	9 6 / 6 0	70	34	3.6	
17	Y	10:47	8 3 / 7 0	74	34	4.0	
18	W						
19	Y						
20	W						

Profile No. ___ Notes Red 24 Plotted ___ Job No. 8412 Division No. ___ F.B. 46 No. 21
Date 12-8-48 Date ___ Survey of Beach Erosion
X-Sec. No. ___ Date ___ Date ___ Map No. ___ Date ___

Boat
232+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____

Plotted ____ Notes Red. ____ Date ____ Checked ____ Date ____

Job No. 4412 Division No. ____ Date 12-8-48 Notes Chkd. ____ Date ____

Survey of Branch 2 MS 1.09 Notes S/4 1113 Pg. 135

Survey by Kennedy & Gilbert

Indexed by C. Fillmore

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~457~~	7	68V	31	3.7	Range line 234+00 (W)
2	Y	10:57	10	74V	31	4.3	
3	W		16	81V	31	5.0	
4	Y		24	88V	31	5.7	
5	W		101	109V	31	7.8	
6	R	~~459~~	119	122V	30	9.2	
7	Y	10:59	130	135V	30	10.5	
8	W		146	151V	30	12.1	
9	Y		166	172V	30	14.2	
10	W		183	189V	30	15.9	
11	R	~~1202~~	199	204V	30	17.4	
12	Y	11:02	219	226V	30	19.6	
13	W		239	239V	30	20.9	
14	Y		3	247V	29	21.8	
15	W			252V	29	22.3	
16	R	~~1209~~	2	261V	28	23.3	Boot 234+00 (W)
17	Y	11:09	2	278V	28	25.0	
18	W		4	284V	28	25.6	
19	Y						
	W						

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At " On	#	Color	Time	Hor. Ang.	Remarks	
236 N-14"	1	R	12:21	90° 00'	RANGE LINE ∡ = 90°	
+00	2	Y		89° 55'		
(N)	3	W		89° 35'		
	4	Y		90° 05'		
	5	W		89° 40'		
"	6	R	12:27	89° 35'		
"	7	Y		89° 35'		
	8	W		89° 30'		
"	9	Y		89° 40'		
	10	W		89° 30'		
	11	R	12:32	90° 10'		
	12	Y		90° 10'		
"	13	W		89° 40'		
	14	Y		89° 50		
ON 600' OFFSET TO LEFT						
" 600'						

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. [illegible]
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-16-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Range
236+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
238	"N-14"	1	R	12:55	89° 40'	RANGE LINE ∡ = 90°	
400		2	Y		89° 45'		
(N)		3	W		89° 50'		
		4	Y		90° 20'		
		5	W		90° 00'		
	"	6	R	12:59	90° 10'		
		7	Y		90° 20'		
	"	8	W		90° 05'		
		9	Y		89° 50'		
		10	W		89° 25'		
		11	R	1:03	90° 25'		
	"	12	Y		90° 00'		
		13	W		90° 00'		
		14	Y		90° 10'		
		15	W		89° 55'		
	600'	16	R	1:15	90° 00'		
		17	Y		90° 15'		
		18	W		90° 00'		
	"	1					

Range 238-400 (N) ON 600 OFFSET TO LEFT.

F. B. Corp. 132

Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of BEACH EROSION Date ____ Date ____ No. ____

Survey by KLEINECK Notes HHR 11-29-48 Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed A. C. Johnson Date ____ Date ____ No. ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
230	N-13	1	R	~~11 49~~	151 50	Range Line	236 +00 (N)
+00		2	Y	12 21	149 20		
		3	W		146 35		
		4	Y		148 45		
	"	5	W		144 40		
		6	R	~~55~~	143 45		
		7	Y	12 27	141 40		
	"	8	W		137 25		
		9	Y		134 40		
	"	10	W		131 30		
		11	R	12 ~~00~~ 32	123 20		
		12	Y		113 25		
	"	13	W		107 55		
		14	Y		104 35		
		15					
		16					
		17					
		18					
		19					
		20					

Offset 600' to the Left

offset

Cut-in
236 +00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2412 Division No. V
Date ____ Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by [illegible]
Date ____ Date ____ Map No. ____ Date ____

P. 86/52 Pg. 133

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
230	N-13	1	R	12 ~~23~~	157 50	Range Line 238+00 (N)	
+00		2	Y	55	157 20		
		3	W		156 45		
		4	Y		154 25		
		5	W		152 50		
	"	6	R	~~27~~	151 10		
		7	Y	59	149 45		
	"	8	W		147 50		
		9	Y		146 50		
	"	10	W		144 05		
		11	R	~~31~~	142 35		
		12	Y	1 103	140 20		
	"	13	W		136 55		
		14	Y		128 35		
		15	W		120 30		
		16	R	~~43~~	117 15		
		17	Y	1 115	114 50		
		18	W		110 55		
		19					
		20					

Cut-in 238+00 (N) offset 600' to the Left

offset

Profile
Survey of Beach Erosion Job No. 8412 Division No. V Notes Red Date Plotted Date No.
Survey by Kleineck Notes RJM 11/29/48 Notes Chkd Date Checked Date X-Sec.
Indexed C. Johnson Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red Pl. 2' Plotted ___ Job No. 8411 Division No. ___
No. ___ Date 12-9-46 Date ___ Survey of Rancho Estates Unit
X-Sec. Notes Chkd. ___ Checked ___ Survey by ___ Computed by ___
No. ___ Date ___ Date ___ Map No. ___ Checked by ___ Date ___

STATION		B. S. –	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks	
1	R	~~12:24~~	96	83	24	5.9	Range line 236+00 W	
2	Y	11:21	99	99	24	7.5		
3	W		120	127	24	10.3		
4	Y		133	106	24	8.2		
5	W		161	148	23	12.5		
6	R	~~12:27~~	171	154	23	13.1		
7	Y	11:27	188	173	22	15.1		
8	W		165	192	22	17.0		
9	Y		213	212	22	19.0		
10	W		230	231	22	20.9		
11	R	~~12:32~~	226	240	20	22.0		
12	Y	11:32	233	260	20	24.2		
13	W		274	273	20	25.3		
14	Y	~~12:44~~	294	286	20	26.6		
15	W	11:44	308					
16	R		279					
17	Y							
18	W							
19	Y							
	W							

Sta. 236+00 (W)

F.B. 1732

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 1070-136 Job No. 8412 Division No. Notes Red. 11-24-48 Plotted 11-24-48 Profile
Survey of Beach Erosion 1948 Date 12-8-48 No. X-Sec.
Survey by Mercer Notes Chkd. 11-29-48 Checked 11-29-48 No.
Indexed A. C. Johnson Date Date

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks	
			91					
1	R	~~1255~~	94	78'	14	RANGE 59	LINE	23+00 (N)
2	Y	11:55	97 00	77'	14	6.3		
3	W		101	94'	14	8.0		
4	R		105	114'	14	10.0		
5	Y		110	130'	14	11.6		
6	W	~~1259~~	115	143'	13	13.0		
7	R	11:59	119	157'	13	14.4		
8	Y		123	174'	13	16.1		
9	W		128	188'	13	17.5		
10	R		132	200'	13	18.7		
11	Y	~~1203~~	136	211'	12	20.2		
12	W	12:03	140	220'	12	20.8		
13	R		145	225'	12	21.3		
14	Y		149	285'	12	22.3		
15	W		154	247'	11	23.6	Boat	
16	R	~~1215~~	158	256'	10	24.6	23+00 (N)	
17	Y	12:15	163	263'	10	25.3		
18	W		167	274'	10	26.4		

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At " On	#	Color	Time	Hor. Ang.	Remarks	
240 N-14"	1	R	7:39	91° 50'	RANGE LINE	∡ = 90°
+00	2	Y		91° 40'		
(N)	3	W		91° 05'		
	4	Y		91° 20'		
=	5	W		89° 20'		
	6	R	7:44	90° 20'		
	7	Y		89° 55'		
=	8	W		90° 20'		
	9	Y		90° 20'		
	10	W		89° 50'		
	11	R	7:47	90° 25'		
=	12	Y		90° 15'		
	13	W		90° 35'		
	14	Y		90° 00'		
600'	15	W		90° 50'		
	16	R	7:51	90° 20'		
	17	Y		90° 00'		
=	18	W		89° 55'		
	19	Y		89° 45'		

ON 600' OFFSET TO LEFT.

Range 240+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1507 Pg. 137
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X.Sec. Notes Chkd ____ Checked ____ Survey by KLEINECK Note H.H.R. Date 11-30-48
No. ____ Date ____ Date ____ Map No. ____ Indexed J. [illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
242 "N-14"	1	R	8:06	89° 55'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 15'		
(N)	3	W		90° 00'		
	4	Y		90° 15'		
	5	W		90° 15'		
"	6	R	8:15	90° 25'		
	7	Y		90° 15'		
"	8	W		89° 55'		
	9	Y		89° 50'		
	10	W		89° 50'		
"	11	R	8:18	89° 35'		
	12	Y		89° 50'		
	13	W		90° 00'		
	14	Y		90° 00'		
	15	W		90° 10'		
600'	16	R	8:20	90° 00'		
	17	Y		89° 40'		
	18	W		90° 10'		
"	19	Y		89° 50'		
	20	W		90° 50'		

Range 242+00 (N) ON 600' OFFSET TO LEFT.

F.B. 1/Jo-Pa/38 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by KLEINECK Notes HHR 11-30-48 Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At / On	#	Colbr	Time	Hor. Ang.	Remarks	
234 +00 (N) N-14	1	R	7 40	160 40	Range Line 240+00 (N)	
	2	Y		159 15	Going Out	
	3	W		156 00		
	4	Y		154 55		
	5	W		153 05		
	6	R	7 45	152 35		
	7	Y		149 10		
	8	W		148 20		
	9	Y		147 10		
	10	W		145 10		
	11	R	7 48	143 30		
	12	Y		142 20		
	13	W		140 20		
	14	Y		138 30		
	15	W		136 20		
	16	R	7 52	126 50		
	17	Y		122 30		
	18	W		118 10		
	19	Y		114 25		

Offset 600' to the left

Cut-in

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 6 of Pg 139

No. ____ Date ____ Date ____ Survey of Beach Erosion

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

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

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
234	N-14	1	R	8 06	120° 15'	Range Line 242+00 (N)	
+00		2	Y		124 20	Coming In	
		3	W		131 50		
		4	Y		135 40		
		5	W		140 00		
		6	R	8 15	144 15		
		7	Y		148 50		
		8	W		151 05		
		9	Y		151 40		
		10	W		153 05		
		11	R	8 19	154 05		
		12	Y		155 20		
		13	W		156 45		
		14	Y		157 30		
		15	W		158 40		
		16	R	8 21	160 25		
		17	Y		161 20		
		18	W		163 30		
		19	Y		165 30		
		20	W		166 20		

Cut-in 242+00 (N) Offset 600' to the left

F.B. 150 Pg. 140 Job No. 5412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Klienack Notes J.W.S.M. 11-30-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red Pen: F. Plotted Job No. 6412 Division No. F.B. 1452 P. 144
No. Date 12-9-48 Date Survey of
X-Sec. Notes Ckd. Checked Date Map No. Checked Date
No. Date Date

STATION #	Color	B. S. – Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:40~~	1 8 5 7 6	90'	64	2.6	Range Line 240+00 (N)
2	Y	6:40	1 8 0 9 2	97'	64	3.3	
3	W	" "	1 7 8 0 3	113'	64	4.9	" " "
4	Y		1 7 4 0 8	125'	64	6.1	
5	W		1 7 2 7 3	136'	64	7.2	
6	R	~~7:45~~	1 7 0 8 1	157'	64	9.3	
7	Y	6:45	1 6 9 1 7	175'	64	11.1	
8	W		1 6 8 0 4	189'	64	12.5	
9	Y		1 6 5 5 0	198'	64	13.4	
10	W		1 6 3 0 5	213'	64	14.9	
11	R	~~7:48~~	1 6 2 5 7	230'	65	16.5	
12	Y	6:48	1 6 1 3 2	243'	65	17.8	
13	W		1 6 0 2 3	255'	65	19.0	
14	Y		1 5 8 8 2	267'	65	20.1	
15	W		1 5 7 6 4	274'	65	20.9	
16	R	~~7:52~~	1 5 6 9 7	283'	66	21.7	
17	Y	6:52	1 5 5 9 2	293'	66	22.7	
18	W		1 5 3 0 2	309'	66	24.3	
19	Y		1 5 3 0	314'	66	24.8	

Boat 240+00 (N)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. Wo. 142 Job No. 844.25 Division No. _____ Notes Red. 11-30-48 Date 12-9-48 Notes Chkd. _____ Date _____ Indexed _____ Date _____

Survey of Beach Erosion Survey by [illegible] Profile No. _____ X-Sec. No. _____ Plotted 11-30-48 Date 12-9-48 Checked _____ Date _____ No. _____

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks	
1	R	~~8:06~~	33 32	316	66	25.0 RANGE	LINE	242+00 (N)
2	Y	7:06	32 28	306	66	24.0		
3	W		30 24	292	66	22.6		
4	Y		28 22	282	67	21.5		
5	W		26 24	293	67	20.6		
6	R	~~8:15~~	29 26	271	68	20.3		
7	Y	7:15	27 25	253	68	18.5		
8	W		25 24	234	68	16.6		
9	Y		23 21	217	68	14.9		
10	W		22 20	207	68	13.9		
11	R	~~8:19~~	20 18	196	68	12.8		
12	Y	7:19	19 20	187	68	11.9		
13	W		18 16	171	68	10.3		
14	Y		16 15	162	68	9.4		
15	W		15 17	151	68	8.3		
16	R	~~8:21~~	14 12	130	68	6.2	Boat 242+00 (N)	
17	Y	7:21	12 10	119	68	5.1		
18	W		10 9	102	68	3.4		
19	Y		9 8	95	68	2.7		
20	W		7 6	79	68	1.1		

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At " On "	#	Color	Time	Hor. Ang.	Remarks	
244 N-14	1	R	8:35	91° 20	RANGE LINE ∡ = 90°	
+00	2	Y		91° 30'		
(N)	3	W		90° 00'		
	4	Y		90° 50'		
	5	W		90° 25'		
	6	R	8:39	90° 35'		
	7	Y		89° 55'		
=	8	W		90° 10'		
	9	Y		89° 30'		
=	10	W		90° 05'		
	11	R	8:43	90° 00'		
	12	Y		90° 10'		
=	13	W		90° 00'		
	14	Y		90° 20'		
	15	W		89° 55'		
600'	16	R	8:47	90° 00'		
	17	Y		89° 50'		
	18	W		89° 55'		
=						

ON 600' OFFSET TO LEFT.

Range 244+00 (N)

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ P.O. No. 143

No. ____ Date ____ Date ____ Survey of BEACH EROSION

X-Sec. Notes Chkd. ____ Checked ____ Survey by KLEINFELDER H.H.R. on 11-30-48

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

3/5

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
246	"N-14"	1	R	9:13	90° 10'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 15'		
(N)		3	W		90° 10'		
		4	Y		90° 10'		
		5	W		89° 55'		
	"	6	R	9:27	89° 50'		
		7	Y		90° 00'		
	"	8	W		91° 15'		
		9	Y		90° 30'		
		10	W		90° 30'		
	"	11	R	9:35	91° 00'		
		12	Y		91° 20'		
		13	W		91° 00'		
		14	Y		89° 45'		
		15	W		89° 30'		
	670'	16	R	9:38	90° 30'		
		17	Y		91° 25'		
	"						

Range 246+00 (N) ON 670' OFFSET TO LEFT.

Job No. 8412 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by KLEINECK Notes HHR 11-30-48 Notes Chkd ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
234	N-14	1	R	8 36	168 35	Range Line 244+00 (N)	
+00		2	Y		167 40	Going out	
		3	W		167 25		
		4	Y		165 10		
		5	W		163 35		
		6	R	8 40	162 20		
		7	Y		161 20		
		8	W		159 50		
		9	Y		158 10		
		10	W		156 50		
		11	R	8 44	155 55		
		12	Y		153 50		
		13	W		152 15		
		14	Y		149 40		
		15	W		144 45		
		16	R	8 48	140 30		
		17	Y		133 30		
		18	W		126 05		
		19	Y				
		20	W				

Offset 600' to the left
" " " "

Cut-in 244+00 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____
X-Sec. Date ____ Date ____ Survey of Beach Erosion
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Klieneck Notes J.W.S.M. Date 11-30-48
Date ____ Map No. ____ Date ____

F.B. 1105 Pg. 145

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
240	N-14	1	R	9 14	109 50	Range Line 246+00 (N)
+00		2	Y		113 05	Coming In
		3	W		117 30	
		4	Y		123 50	
		5	W		133 10	
		6	R	9 28	137 40	
	"	7	Y		142 10	
		8	W		145 30	
	"	9	Y		145 20	ok
		10	W		147 20	
	"	11	R	9 35	149 25	
		12	Y		151 5	
	"	13	W		153 05	
		14	Y		155 15	
		15	W		156 25	
	"	16	R	9 39	158 40	
		17	Y		161 0	

Cut-in 246+00 (N) Offset 600' to the left

F.B. 1507 Pg. 146 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Klieneck Notes J.W.S.M. 11-30-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~836~~ 7:36	93	84	68	1.6	RANGE LINE 244+00 (N)
2	Y		79	89	68	2.1	
3	W		108	103	68	3.5	
4	Y		100	119	68	5.1	
5	W		131	135	68	6.7	
6	R	~~840~~ 7:40	113	151	68	8.3	
7	Y		151	170	68	10.2	
8	W		127	185	68	11.7	
9	Y		165	204	68	13.6	
10	W		144	223	68	15.5	
11	R	~~844~~ 7:44	183	243	69	17.4	
12	Y		163	253	69	18.4	
13	W		196	262	69	19.3	
14	Y		180	275	69	20.6	
15	W		221	283	69	21.4	
16	R	~~849~~ 7:49	195	295	69	22.6	
17	Y		239	303	69	23.4	
18	W		215	321	69	25.2	

Profile No. ____ Notes Red M.J. Plotted ____ Job No. 841 Division No. ____ P.B. 1507 Pg. 147
X-Sec. ____ Date 12-9-48 Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes S.H. Date 11-30-48
No. ____ Date ____ Date ____ Map No. ____ Chkd [illegible] Date ____

Boat 244+00 (N)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 5088 Pg. 148 — Job No. 5111 — Division No. — Notes Red 11-27 — Plotted — No. — Profile
Survey of Boundary — Date 11-30-48 — Notes Chkd — Date 12-9-48 — Checked — Date — No. — X-Sec.
Survey by [illegible] — Notes S.H. — Date — Date — No.
Indexed —

STATION	B. S.	H. I.	F. S.	ELEV.		
# Color	Time	Meas. Depth Bottom		Ht. Tide	Adj. Depth	Remarks
1 R	~~9:44~~	1 8	335 V	68	26.7	Rangeline 246+00 N
2 Y	8:14	2 7	314 V	68	24.6	
3 W		2 9 8	308 V	68	24.0	
4 Y		3 0 7	292 V	68	22.4	
5 W		2 8 5	279 V	68	21.1	
6 R	~~9:28~~	2 7 3	258 V	68	19.0	
7 Y	8:28	2 6 1	246 V	68	17.8	
8 W		2 3 9	223 V	68	15.5	
9 Y		2 3 0	213 V	68	14.5	
10 W		2 2 0	199 V	68	12.9	
11 R	~~9:36~~	2 0 1	177 V	67	11.0	
12 Y	8:36	2 0 4	162 V	67	9.5	
13 W		2 1 4	144 V	67	7.7	
14 Y		1 8 9	120 V	67	5.3	
15 W		1 9 3	112 V	67	4.5	
16 R	~~9:39~~	1 6 9	98 V	66	3.2	
17 Y	8:39	1 8 2	81 V	66	1.5	
18 W		1 5 2				
19 Y		1 6 9				
W		1 3 1				
		1 4 1				
		1 1 0				
		1 3 6				
		1 0 0				
		1 1 3				
		9 1				
		1 0 2				
		7 0				

Boot
246+00 (N)

FORM 807 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
248	240	1	R	9:46	89°10'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		91°30'		
(N)	(N)	3	W		91°20'		
		4	Y		91°15'		
		5	W		91°25'		
		6	R	9:50	90°40'		
	=	7	Y		92°00'		
		8	W		90°55'		
	=	9	Y		91°05'		
		10	W		90°50'		
		11	R	9:54	90°45'		
		12	Y		90°30'		
	=	13	W		89°40'		
		14	Y		90°00		
		15	W		90°00'		
	670	16	R	10:00	90°00'		
		17	Y		90°05'		
		18	W		90°05'		
		19	Y		89°55'		
	=	20	W		89°45'		

ON 670' OFFSET TO LEFT

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. 8/67 Pg. 1/49

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-30-48

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

Range 248+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
250	240	1	R	10:21	90° 20'	RANGE LINE ∡ = 90°
+00	+00	2	Y		89° 55'	
(N)	(N)	3	W		90° 25'	
		4	Y		89° 50'	
		5	W		89° 45'	
		6	R	10:33	89° 55	
	=	7	Y		90° 30'	
		8	W		90° 40'	
	=	9	Y		90° 10'	
		10	W		90° 25'	
		11	R	10:37	90° 30'	
		12	Y		89° 35'	
	=	13	W		90° 30'	
		14	Y		90° 40'	
		15	W		90° 15'	
	670	16	R	10:42	91° 40'	
	670					
	=					

Range 250+90 (N)

ON 670 OFFSET TO LEFT

F. B. 450 pg. 150

Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of BEACH EROSION Date ____ Date ____ No. ____

Survey by KLEINECK Notes HHR 11-30-48 Notes Chkd. ____ Checked ____ X-Sec. ____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
240	N-14	1	R	9 47	165 25	Range Line 248+00 (N)	
+00		2	Y		164 15	Going Out	
		3	W		162 20		
		4	Y		160 55		
		5	W		160 05		
		6	R	9 50	159 35		
		7	Y		158 30		
		8	W		157 45		
		9	Y		156 35		
		10	W		155 05		
		11	R	9 54	154 10		
		12	Y		152 00		
		13	W		150 00		
		14	Y		148 40		
		15	W		145 25		
		16	R	10 00	139 55		
		17	Y		132 25		
		18	W		128 10		
		19	Y		123 55		
		20	W		117 45		

Offset 600' to the Left

Cut-in: 248+00 (N)

Profile Notes Red. Plotted Job No. 8462 Division No.
No. Date Date Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Klienack Notes J.W.S.M. Date 11-30-48
No. Date Date Map No. Indexed Date

F.B. 1602 Pg. 157

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
240	N-14	1	R	10 22	122 15	Range Line 250+00 (N)
+00		2	Y		126 20	Coming In
		3	W		130 25	
		4	Y		138 50	
		5	W		143 20	
		6	R	10 34	148 30	
		7	Y		153 30	
		8	W		156 00	
		9	Y		157 15	
		10	W		158 55	
		11	R	10 38	159 50	
		12	Y		160 30	
		13	W		162 10	
		14	Y		163 35	
		15	W		165 25	
		16	R	10 43	167 10	
		17	Y			
		18	W			
		19	Y			
		20	W			

Cut-in 250+00 (N) Offset 600' to the left

F.B. 1507 Pg. 152

Job No. 8412 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of Beach Erosion Date ____ Date ____ No. ____

Survey by Wieneck Notes J.W.S.M. 11-30-48 Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:47~~	8.7 / 7.2	77	66	1.1	Rangelino 248+00 (N)
2	Y	8:47	12.0 / 8.3	95	66	2.9	
3	W		10.0 / 9.0	93	66	2.7	
4	Y		13.5 / 10.9	118	66	5.2	
5	W		13.5 / 11.8	124	66	5.8	
6	R	~~9:51~~	14.0 / 13.0	133	66	6.7	
7	Y	8:51	16.3 / 14.0	148	66	8.2	
8	W		16.5 / 15.0	155	66	8.9	
9	Y		17.0 / 16.5	167	65	10.2	
10	W		19.3 / 18.0	184	65	11.9	
11	R	~~9:55~~	20.9 / 19.5	198	65	13.3	
12	Y	8:55	22.0 / 20.5	210	65	14.5	
13	W		24.3 / 22.5	231	65	16.6	
14	Y		25.5 / 24.0	245	65	18.0	
15	W		27.4 / 25.9	264	65	19.9	
16	R	~~10:01~~	28.0 / 26.6	271	64	20.7	
17	Y	9:01	29.0 / 27.5	280	64	21.6	
18	W		30.0 / 28.7	291	64	22.7	
19	Y		30.9 / 29.0	296	64	23.2	
20	W	~~10:10~~ 9:10	31.9 / 30.6	310	63	24.7	

Boat 248+00 (N)

Profile No. ____ Notes Red M. J. Plotted ____ Job No. 8412 Division No. ____ F.B. 1507 Pg. 153
X-Sec. No. ____ Date 12-9-48 Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Klinack Note [illegible] Date 11-30-48
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10:22~~	32.7 / 30.4	312	61	25.1	Range Line 250+00(N)
2	Y	9:22	31.2 / 29.2	299	61	23.8	
3	W		30.3 / 28.0	288	61	22.7	
4	Y		28.5 / 27.1	276	60	21.6	
5	W		28.5 / 26.0	268	60	20.8	
6	R	~~10:34~~	27.4 / 25.1	260	59	20.1	
7	Y	9:34	25.0 / 23.9	243	59	18.4	
8	W		23.6 / 22.0	225	59	16.6	
9	Y		21.3 / 20.3	206	59	14.7	
10	W		19.8 / 18.3	188	59	12.9	
11	R	~~10:39~~	18.6 / 17.0	175	58	11.7	
12	Y	9:39	16.9 / 15.5	160	58	10.2	
13	W		14.8 / 13.9	142	58	8.4	
14	Y		13.8 / 11.5	123	58	6.5	
15	W		11.7 / 9.3	101	58	4.3	
16	R	~~10:43~~ 9:43	10.0 / 7.8	85	57	2.8	Boot 250+00(N)

F.B. 4507 Pg. 154

Job No. 8412 Division No. ____ Notes Red. M.E.X. Plotted ____ No. ____ Profile

Survey of Bench Erasion Date 12-9-48 Date ____ X-Sec.

Survey by Kliegeck Notes S.H. Notes Chkd. ____ Checked ____ No. ____

Indexed C. [illegible] Date ____ Date ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
252+00 (N) 240+00 (N)	1	R	10:50	90°10'	RANGE LINE ∠=90°	
	2	Y		90°40'		
	3	W		90°40'		
	4	Y		89°10'		
	5	W		90°30'		
	6	R	10:54	90°30'		
	7	Y		90°45'		
	8	W		89°55'		
	9	Y		90°35'		
	10	W		89°30'		
	11	R	10:58	90°15'		
	12	Y		90°05'		
	13	W		90°30'		
	14	Y		90°05'		
	15	W		90°20'		
	16	R	11:01	89°55'		
	17	Y		90°10'		
	18	W		90°10'		
	19	Y		89°55'		
	20	W		90°00'		
	21	R	11:09	90°00'		

ON 670' OFFSET TO LEFT.

670'

Range 252+00 (N)

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-30-48
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

F.B. 1502 Pg. 155

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	" On "	#	Color	Time	Hor. Ang.	Remarks	
254	N-16	1	R	11:18	90° 00'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 05'		
(N)		3	W		89° 55'		
		4	Y		90° 00'		
		5	W		90° 15'		
		6	R	11:27	90° 30'		
	"	7	Y		90° 20'		
		8	W		90° 20'		
	"	9	Y		89° 50'		
		10	W		89° 55'		
		11	R	11:31	90° 25'		
	"	12	Y		90° 50'		
		13	W		90° 10'		
		14	Y		89° 55'		
		15	W		90° 50		
ON 670 OFFSET TO LEFT.	" 670'						

Range 254+00 (N)

F.B. 1562 Pg. 156 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of BEACH EROSION Date Date X-Sec.
Survey by KLEINECK Notes HHR 11-30-48 Notes Chkd. Checked No.
Indexed A. C. [illegible] Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
246	N-14	1	R	10 52	165° 00'	Range Line 252+00 (N)	
+00		2	Y		163 00	Going Out	
		3	W		162 50		
		4	Y		161 40		
		5	W		161 10		
		6	R	10 54	160 45		
		7	Y		159 20		
		8	W		158 20		
		9	Y		156 05		
		10	W		154 55		
		11	R	10 59	153 30		
		12	Y		152 10		
		13	W		151 00		
		14	Y		149 10		
		15	W		147 55		
		16	R	11 01	146 50		
		17	Y		145 00		
		18	W		141 25		
		19	Y		122 15		
		20	W		114 50		
		21	R	11 10	112 05		

Offset 670' to the left

Cut-in 252+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1657 Pg. 153

No. ____ Date ____ Date ____ Survey of Beach Erosion

X-Sec. Notes Chkd ____ Checked ____ Survey by Kleneck Notes [illegible] Date 11-30-48

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
246	N-14	1	R	11 19	119 05	Range Line 254+00 (N)
+00		2	Y		124 20	Coming In
		3	W		129 30	
		4	Y		136 10	
		5	W		144 40	
		6	R	11 49	149 55	
		7	Y		153 00	
		8	W		156 20	
		9	Y		157 40	
	"	10	W		158 55	
	"	11	R	11 32	160 40	
	"	12	Y		162 05	
	"	13	W		164 25	
	"	14	Y		166 00	
	"	15	W		167 40	

Cut-in 254+00 (N) Offset 670 to the left

F.B. 450 Pg. 158 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Date Date X-Sec.
Survey by Klieneck Notes J.W.S.M. 11-30-48 Notes Chkd. Checked No.
Indexed [illegible] Date Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:52~~	10 5 / 7 8	87	55	3.2	RangeLine 252+00 (N)
2	Y	9:52	10 7 / 8 8	94	55	3.9	
3	W		12 0 / 9 1	101	55	4.6	
4	Y		11 5 / 9 9	104	55	4.9	
5	W		12 5 / 10 2	110	55	5.5	
6	R	~~10:55~~	12 6 / 11 2	117	54	6.3	
7	Y	9:55	14 2 / 12 0	127	54	7.3	
8	W		14 6 / 13 4	138	54	8.4	
9	Y		16 8 / 14 7	154	54	10.0	
10	W		18 3 / 15 4	164	54	11.0	
11	R	~~10:59~~	19 8 / 17 0	179	53	12.6	
12	Y	9:59	20 5 / 18 6	192	53	13.9	
13	W		22 0 / 19 9	206	53	15.3	
14	Y		22 4 / 20 5	211	53	15.8	
15	W		23 6 / 21 5	222	53	16.9	
16	R	~~11:02~~	25 0 / 22 7	235	53	18.2	
17	Y	10:02	26 5 / 24 6	248	53	19.5	
18	W		27 7 / 25 4	262	52	21.0	
19	Y		30 2 / 27 1	[illegible]	52	[illegible]	
20	W	10:10	31 5 / [illegible] 7	296	51	24.5	
21	R	~~11:10~~	[illegible]	305	51	25.4	

Boat 252+00 (N)

Profile No. ___ Date 12-9-48 Notes Red M.K. Plotted ___ Job No. 84 Division No. ___ F.B. 1/50 pg. 159
X-Sec. No. ___ Date ___ Date ___ Survey of Beach Erosion
Notes Chkd. ___ Checked ___ Survey by [illegible] No. [illegible] 11-30-48
No. ___ Date ___ Date ___ Map No. ___ Amended [illegible] Date ___

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____

Notes Red. 7M-23 Plotted ____ Date 12-9-48 Date ____

Notes Chkd. ____ Checked ____ Date ____ Date ____

Job No. 5412 Division No. ____ Notes E.M. pg. 11/39 #2

Survey of Beach Erosion Notes ____

Survey by Planning Div. Notes ____

Indexed C. Jeffers Date ____ Date ____

F.B. 155 Pg. 160

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~4+49~~	2.2 2.9 2.5	30.4 V	49	25.5	
2	Y	10:19	2.1 2.8 2.5	29.4 V	49	RANGE LINE 25.5	254+00(N)
3	W		2.2 2.7 2.4	27.8 V	48	23.0	
4	Y		2.2 2.8 2.5	26.7 V	48	21.9	
5	R		2.2 2.7 2.4	25.6 V	47	20.9	
6	W	~~4+29~~	2.2 2.6 2.4	24.4 V	46	19.8	
7	Y	10:29	2.2 2.4 2.3	22.9 V	46	18.3	
8	W		2.2 2.0 2.1	20.8 V	46	16.2	
9	W		1.9 1.9 1.9	19.0 V	46	14.4	
10	W		1.7 1.7 1.7	17.7 V	46	13.1	
11	R	~~4+32~~	1.6 1.6 1.6	~~16.2~~ 16.5	46	11.9	
12	Y	10:32	1.3 1.3 1.3	14.4 V	46	9.8	
13	W		1.1 1.1 1.1	12.3 V	46	7.7	
14	Y		1.0 1.0 1.0	10.5 V	46	5.9	
15	R		1.1 1.1 1.1	8.5 V	46	3.9	
16	Y						Boat 254+00(N)
17	R						
18	W						

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
256" N-16"	1	R	11:40	90° 00'	RANGE LINE ∡ = 90°	
+00	2	Y		89° 40'		
(N)	3	W		90° 05'		
	4	Y		89° 30'		
	5	W		90° 05'		
	6	R	11:44	89° 50'		
"	7	Y		89° 55'		
"	8	W		90° 10'		
	9	Y		90° 45'		
	10	W		90° 25'		
	11	R	11:48	89° 50'		
"	12	Y		89° 55'		
	13	W		89° 55'		
670'	14	Y		90° 00'		
	15	W		89° 40'		
	16	R	11:56	89° 55'		
	17	Y		89° 55'		
"	—					

ON 670' OFFSET TO LEFT

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of BEACH EROSION
X-Sec. Notes Chkd. Checked Survey by [illegible] Note [illegible] Date 11-30-48
No. Date Date Map No. [illegible] Date

F.B. No. 161

Range 256+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At "On"	#	Color	Time	Hor. Ang.	Remarks	
258 "N-16	1	R	12:16	89° 55'	RANGE LINE ∡ = 90°	
+00	2	Y		89° 50'		
(N)	3	W		89° 35'		
	4	Y		89° 55'		
	5	W		90° 10'		
	6	R	12:27	89° 30'		
	7	Y		89° 40'		
"	8	W		90° 00'		
	9	Y		89° 50'		
"	10	W		89° 55'		
	11	R	12:34	89° 30'		
	12	Y		89° 15'		
"	13	W		89° 40'		
670'						
"						

Range 258+00 (N) ON 670' OFFSET TO LEFT.

F.B. [illegible] Pg. 162 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by KLEINECK Notes HHR 11-30-48 Notes Chkd. ____ Checked ____ X-Sec.
Indexed [illegible] Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
246	N-14	1	R	11 40	170 20	Range Line 256+00 (N)	
+00		2	Y		169 40	Going Out	
		3	W		168 00		
		4	Y		167 30		
		5	W		166 30		
		6	R	11 45	165 00		
		7	Y		163 50		
		8	W		162 20		
		9	Y		161 00		
	"	10	W		159 35		
	"	11	R	11 49	157 35		
	"	12	Y		154 50		
	"	13	W		149 35		
	"	14	Y		144 10		
	"	15	W		138 15		
	"	16	R	11 57	133 00		
	"	17	Y		125 40		
		18	W				
		19	Y				
		20	W				

Offset 670' to the left

Cut-in 256+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5414 Division No. ____ F.B. 6602 Pg. 163

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

Notes Chkd ____ Checked ____ Survey by Klieneck Notes F.W.S.M. Date 11-30-48

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

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
252	N-14	1	R	12 17	112 40	Range Line 258+00 (N)	
+00		2	Y		115 30	Coming In	
		3	W		118 55		
		4	Y		125 50		
		5	W		129 50		
		6	R	11 28	141 05		
		7	Y		147 30		
		8	W		148 30		
		9	Y		151 50		
		10	W		153 35		
		11	R	12.35	155 45		
		12	Y		157 40		
		13	W		159 15		

Cut-in 258+00 (N) Offset 670' to the left

F.B. 150 Pg. 16A

Job No. 8412 Division No. ____ Notes Red ____ Plotted ____ Profile

Survey of Beach Erosion Date ____ Date ____ No. ____

Survey by Klieneck Notes T.W.S.M. 11-30-48 Notes Chkd. ____ Checked ____ X-Sec.

Indexed [illegible] Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11:41~~	100 70	80	44	3.6	RANGE LINE 256+00 (N)
2.	Y	10:41	109 80	90 ~~80~~	44	4.6	
3	W		114 98	103	44	5.9	
4	Y		122 110	114	44	7.0	
5	W		153 121	132	44	8.8	
6	R	~~11:46~~	159 135	143	43	10.0	
7	Y	10:46	176 153	161	43	11.8	
8	W		192 175	181	43	13.8	
9	Y		218 193	201	43	15.8	
10	W		212 205	207	43	16.4	
11	R	~~11:50~~	231 220	224	42	18.2	
12	Y	10:50	252 235	241	42	19.9	
13	W		281 244	256	42	21.4	
14	Y		261 249	253	41	21.2	
15	W		281 262	268	41	22.7	
16	R	~~12:00~~	298 277	284	40	24.4	
17	Y	~~11:58~~	300 288	292	40	25.2	
18	W	10:58					
19							

Boat
256+00 (N)

Profile
No. ____ Date 12-8-48 Date ____
X-Sec. Notes Red. M.K. Plotted ____ Job No. 5402 Division No. ____
Notes Chkd. ____ Checked ____ Survey of Beach Erosion
No. ____ Date ____ Date ____ Survey by [illegible] Notes [illegible] Date 11-30-48
Map No. ____ Indexed ____ Date ____

F.B. 1602 Pg. 165

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~1218~~	300 282	288	34	25.4	
2	Y	11:18	288 268	275	34	24.1	Rangeline 258+00(N)
3	W		282 255	264	33	23.1	
4	Y		264 243	250	33	21.7	
5	W		250 235	240	32	20.8	
6	R	~~1224~~	249 224	232	31	20.1	
7	Y	11:28	231 206	214	31	18.3	
8	W		201 188	192	31	16.1	
9	Y		183 168	173	30	14.3	
10	W		168 150	156	29	12.7	
11	R	~~1236~~	155 130	138	28	11.0	
12	Y	11:36	122 112	115	28	8.7	
13	W		116 93	101	28	7.3	
14	Y						
15	W						
16	R						
17	Y						
18	W						
19	Y						
20	W						

Boat 258+00(N)

F.B. 1502 Pg. 166

Job No. 8412 Division No. Notes Red. M.K. Plotted No. Profile

Survey of Beach Erosion Date 12-9-48 Date X-Sec.

Survey by Alameda Notes S.H. 11-30-48 Notes Chkd. Checked No.

Indexed Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
260 "N-16"	1	R	12:48	89° 35'	RANGE LINE ∡ = 90°	
+00	2	Y		89° 50'		
(N)	3	W		~~89° 30'~~		
	4	Y		90° 20'		
	5	W		89° 30'		
	6	R	12:57	90° 05'		
	7	Y		89° 55'		
	8	W		89° 50'		
	9	Y		89° 40'		
	10	W		90° 00'		
	11	R	1:02	89° 45'		
	12	Y		88° 40'		
	13	W		90° 00'		
ON 670' OFFSET TO LEFT. 670'						

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1670 Pg. 167

No. ____ Date ____ Date ____ Survey of BEACH EROSION

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] H.H. Rec. 11-30-48

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

Range 260+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
262" N-16"	1	R	10:28	90° 05'	RANGE LINE ∡ = 90°	
+00	2	Y		89° 25'		
(N)	3	B		90° 00'		
	4	Y		90° 50'		
	5	B		90° 00'		
	6	R	10:32	89° 40'		
	7	Y		90° 05'		
"	8	B		91° 25'		
"	9	Y		90° 25'		
"	10	B		91° 10'		
	11	R	10:35	91° 35'		
	12	Y		90° 55'		
"	13	B		89° 50'		
	14	Y		90° 30'		
	15	B		90° 35'		
670'	16	R	10:41	90° 05'		
	17	Y		90° 25'		
	18	B		90° 30'		
"						

Range 262+00 (N) ON 670 OFFSET TO LEFT.

F.B. [illegible] Pg. 169 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by KLEINECK Notes HHR 12-1-48 Notes Chkd. ____ Checked ____ X-Sec.
Indexed [illegible] Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
252	N-14	1	R	12 49	118 35	Range Line 260+00 (N)
+00		2	Y		123 00	
		3	W			(out)
		4	Y		134 15	
		5	W		139 35	
		6	R	12 58	148 05	
		7	Y		155 05	
		8	W		157 20	
		9	Y		159 05	
		10	W		160 40	
		11	R	1 03	161 50	
		12	Y		162 00	
		13	W		165 20	
		14	Y			

Offset 670' to the left

Cut in 260+00 (N)

Profile No. ___ Date ___ Plotted ___ Job No. 8412 Division No. ___ F.B. [illegible]

X-Sec. No. ___ Date ___ Survey of Beach Erosion

Note Chkd. ___ Date ___ Note Chkd. ___ Date ___

Map No. ___ Date ___

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
256 +00	N-16	1	R	1028	162 20	Range Line 262+00 (N)
		2	Y		160 40	Going Out
		3	B		159 45	
		4	Y		159 30	
		5	B		157 30	
		6	R	1031	155 30	
		7	Y		154 45	
		8	B		153 40	
		9	Y		152 05	
		10	B		149 55	
		11	R	1034	147 10	
		12	Y		145 00	
		13	B		142 00	
		14	Y		140 10	
		15	B		132 10	
		16	R	1040	122 50	
		17	Y		118 05	
		18	B		114 40	

Cut-in 262+00(N) Offset 670' to the left

F.B. [illegible] Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No.
Survey by Klieneck Notes J.W.S.M. 12-1-48 Notes Chkd. Checked X-Sec.
Indexed [illegible] Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S.- Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
			28 8				
1	R	~~250~~	271	29 5V	24	25.1	
2	Y	11:50	261				
			259	26 6V	24	24.2	Range line 260+00 (W)
3	W		~~269~~	Out			
			245				
4	Y		253	23 7V	23	21.4	
5	W		250				
			223	23 2V	22	21.0	
6	R	~~1209~~	210	21 9V	21	19.8	
7	Y	11:59	201	19 3V	21	17.2	
8	W		190	16 9V	21	14.8	
			179				
9	Y		190	14 8V	21	12.7	
			192				
10	W		152	13 9V	21	11.8	
			133				
11	R	~~1204~~	130	11 9V	21	9.8	
			113				
12	Y	12:04	93	10 1V	20	8.1	
			103				
13	W	~~1207~~	77	8 5V	20	6.5	
14	Y	1209					
15	W						
16	R						
17	Y						
18	W						
19	Y						
20	W						

Profile Notes Red M. T. Method
No. Date 12-9-48 Date
Job No. [illegible] Division No.
No. Date Name Checked Survey of Date
Map No. Date
F.B. 1171
Boat
260+00 (W)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.	30.5	
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10 28~~	12.5 9.1	10 2	62	4.0	Range Line 262+00(N)
2	Y	9:28	14.2 10.2	11 5	62	5.3	
3	B		15.1 11.9	13 0	62	6.8	
4	Y		15.0 12.0	13 0	62	6.8	
5	B		16.3 13.3	14 3	62	8.1	
6	R	~~10 31~~	17.3 14.9	15 7	62	9.5	
7	Y	9:31	19.1 16.0	17 0	62	10.8	
8	B		19.5 17.1	17 9	62	11.7	
9	Y		20.7 18.3	19 1	62	12.9	
10	B		22.7 19.7	20 7	62	14.5	
11	R	~~10 34~~	23.5 21.7	22 3	61	16.2	
12	Y	9:34	25.1 23.4	24 0	61	17.9	
13	B		29.5 24.4	26 1	61	20.0	
14	Y		26.8 25.5	25 9	61	19.8	
15	B		28.1 26.4	27 0	61	20.9	
16	R	~~10 40~~	30.5 28.1	28 9	61	22.8	
17	Y	9:40	31.7 29.1	30 0	61	23.9	
18	B		33.0 30.1	31 1	61	25.0	
19	Y						
20	B						

Boat 262+00(N)

F.B. 1509 Pg. 172 Job No. 8412 Division No. ✓ Notes Red. M.J. Plotted No. Profile
Survey of Beach Erosion Date 12-13-48 Date X-Sec.
Survey by Klemeck Notes RJM 12/1/48 Notes Chkd. Checked No.
Indexed C. J. Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
264	N-16	1	R	10:53	90° 25'	RANGE LINE	∡ = 90°
+00		2	Y		89° 50'		
(N)		3	B		90° 00'		
	=	4	Y		90° 20'		
		5	B		90° 05'		
	=	6	R	11:04	90° 30'		
		7	Y		90° 20'		
		8	B		90° 30'		
	=	9	Y		90° 40'		
		10	B		91° 15'		
		11	R	11:10	89° 20'		
		12	Y		90° 40'		
		13	B		91° 50'		
		14	Y		90° 45'		
		15	B		88° 05'		
ON 670'	670'						
	=						

Profile No. ___ Notes Red ___ Plotted ___ Job No. 842 Division No. ___ F.B. No. 7 Pg. 1
X-Sec. No. ___ Date ___ Date ___ Survey of BEACH EROSION
Notes Chkd. ___ Checked ___ Survey Chief ___ Date 12-1-48
Date ___ Date ___ Map No. ___ Date ___

Range 264+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
266	N-17	1	R	11:25	90° 00'	RANGE LINE	∡ = 90°
+00		2	Y		89° 45'		
(N)		3	B		89° 45'		
		4	Y		91° 30'		
		5	B		90° 20'		
		6	R	11:27	90° 40'		
	"	7	Y		90° 00'		
		8	B		90° 00'		
	"	9	Y		90° 25'		
		10	B		90° 05'		
		11	R	11:31	90° 25'		
	"	12	Y		90° 20'		
		13	B		90° 00'		
		14	Y		90° 25'		
	600'	15	B		90° 20'		
		16	R	11:37	90° 20'		
		17	Y		90° 05'		
	"						

Range 266+00 (N) ON 600 OFFSET TO LEFT

F.B. [illegible] Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by KLEINECK Notes HHR 12-1-48 Notes Chkd ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ A. C. Johnson No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.			
Inst. Sight At	On	#	Color	Time	° ' Hor. Ang.	Remarks		
256	N-16	1	R	10 52	119 45	Range Line 264+00 (N)		
+00		2	Y		125 45	Coming In		
		3	B		130 10			
		4	Y		136 00			
		5	B		142 00			
		6	R	11 03	149 45			
	"	7	Y		153 50			
	"	8	B		154 45			
	"	9	Y		155 50			
	"	10	B		155 20			
	"	11	R	11 08	159 30			
	"	12	Y		161 20			
	"	13	B		163 35			
	"	14	Y		165 25			
	"	15	B		166 50			

Offset 670' to the left

Cut-in 264+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Sub. No. [illegible] Division No. ____
No. ____ Date ____ Date ____ Survey of Beach Erosion
No. ____ Date ____ Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
256	N-16	1	R	11 23	168 40	Range Line 266+00 (N)	
+00		2	Y		168 20	Going Out	
		3	B		167 15		
		4	Y		166 00		
		5	B		164 55		
		6	R	11 27	163 40		
	"	7	Y		161 30		
		8	B		160 40		
	"	9	Y		159 30		
		10	B		157 45		
	"	11	R	11 30	156 30		
		12	Y		154 40		
	"	13	B		153 25		
		14	Y		145 00		
	"	15	B		138 40		
		16	R	11 36	131 40		
		17	Y		124 40		
		18	B				
		19	Y				
		20	B				

Cut-in 266+00 (N) Offset 670' to the left

F.B. 1502 Pg. 176

Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of Beach Erosion Date ____ Date ____ No. ____

Survey by Klieneck Notes J.W.S.M. 12-1-48 Notes Chkd. ____ Checked ____ X-Sec. ____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

-3.7

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:52~~	33.0 / 30.5	31 3"	60	25.3	Range Line 264+00 (N)
2	Y	9:52	30.5 / 28.5	29 2"	60	23.2	
3	B		31.7 / 27.1	28 6"	60	22.6	
4	Y		30.2 / 26.0	27 4"	59	21.5	
5	B		28.1 / 24.6	25 8"	59	19.9	
6	R	~~H 03~~	27.5 / 23.4	24 8"	58	19.0	
7	Y	10:03	23.4 / 21.5	22 1"	58	16.3	
8	B		23.2 / 20.4	21 3"	58	15.5	
9	Y		21.8 / 19.3	20 1"	58	14.3	
10	B		21.5 / 17.5	18 8"	58	13.0	
11	R	~~H 08~~	19.5 / 16.6	17 6"	58	11.8	
12	Y	10:08	15.8 / 13.9	14 5"	58	8.7	
13	B		14.1 / 11.2	12 2"	58	6.4	
14	Y		13.4 / 9.6	10 9"	58	5.1	
15	B	~~H 13~~	10.0 / 8.0	8 7"	57	3.0	
16	R	10:13					
17	Y						
18	B						
19	Y						
20	B						

Profile
No. X-Sec.
Notes Red Date 12-13-48 Plotted Job No. 8462 R. Division No. 8
Name Chkd Date Checked Survey of Beach Erosion
No. Date Map No. Indexed
Book 3007
264+00 (N)
F.B. Pages 172

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. Wtr. M8 Profile
Job No. 8412 Division No. V Notes Red. M.T. Plotted No.
Survey of Beach Erosion Date 12-13-48 Date X-Sec.
Survey by Reinecke Notes RJM 12/11/48 Notes Chkd Checked
Indexed G. Peterson Date Date Date No.

29.0

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~H 23~~	7.4 7.5	8 5V	55	3.0	(N) Range Line 266+00
2	Y	10:23	11.3 8.0	9 1V	55	3.6	
3	B		11.3 9.0	9 8V	55	4.3	
4	Y		13.0 10.6	~~11 4~~ 11 7V	55	5.9	
5	B		15.0 12.7	13 5V	55	8.0	
6	R	~~H 27~~	16.0 13.9	14 6V	54	9.2	
7	Y	10:29	18.5 16.1	16 9V	54	11.5	
8	B		20.4 17.5	18 5V	54	13.1	
9	Y		21.1 18.7	19 5V	54	14.1	
10	B		23.2 20.1	21 1V	54	15.7	
11	R	~~H 30~~	24.8 21.7	22 7V	54	17.3	
12	Y	10:30	26.6 23.0	24 2V	54	18.8	
13	B		27.1 24.1	25 1V	54	19.7	
14	Y		27.8 25.0	25 9V	54	20.5	
15	B		28.9 26.7	27 4V	54	22.0	
16	R	~~H 36~~	29.8 27.8	28 5V	53	23.2	Boat 266+00 (N)
17	Y	10:36	32.0 28.4	29 6V	53	24.3	
18	B						
19	Y						
20	B						

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
268	N-17	1	R	11:52	90° 10'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 20'		
(N)		3	B		90° 00'		
		4	Y		89° 40'		
		5	B		89° 55'		
		6	R	12:09	89° 30'		
		7	Y		90° 35'		
	"	8	B		90° 00'		
		9	Y		90° 00'		
	"	10	B		90° 20'		
		11	R	12:16	90° 00'		
		12	Y		90° 00'		
	"	13	B		90° 15'		
		14	Y		90° 00'		
		15	B		89° 50'		
	600'	16	R	12:20	89° 40'		
	600	17	Y		90° 10'		
		18	B		90° 10'		
20	=						

ON 600' OFFSET TO LEFT.

Profile No. X-Sec. Notes Red. Plotted Job No. 8412 Division No. F.B. No. 179
Date Date Survey of BEACH EROSION
Notes Chkd. Checked Survey by K.S. Date 12-1-48
No. Date Date Map No. Date

Range 268+00(N)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 1501 Pg. 180 | Job No. 8412 Division No. | Notes Red | Date | No. | Plotted | Profile
Survey of BEACH EROSION | Date | Checked | X-Sec.
Survey by KLEINECK Notes HHR 12-1-48 | Notes Chkd | Date | No.
Indexed [illegible] Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks	
270 N-17	1	R	12:30	89° 35'	RANGE LINE X = 90°	
+00	2	Y		88 30		
(N)	3	B		89° 50'		
	4	Y		89° 45'		
	5	B		90° 00'		
	6	R	12:33	90° 00'		
"	7	Y		90° 00'		
	8	B		90° 00'		
	9	Y		90° 15'		
"	10	B		89° 30'		
	11	R	12:37	90° 05'		
	12	Y		89° 55'		
"	13	B		90° 00'		
	14	Y		90° 10'		
	15	B		89° 55'		
600'	16	R	12:47	89° 55'		
	17	Y		90° 00'		
	18	B		90° 00'		
"	19	Y		90° 00'		
Range 270 +00 (N) ON 600' OFFSET TO LEFT.						

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
262	N-16	1	R	11 52	109 40	Range Line 268+00 (N)	
+00		2	Y		112 40	Coming In	
		3	B		117 10		
		4	Y		119 10		
		5	B		124 25		
		6	R	12 08	130 05		
		7	Y		140 20		
	"	8	B		140 30		
	"	9	Y		141 45		
	"	10	B		144 20		
	"	11	R	12 15	145 40		
	"	12	Y		147 30		
	"	13	B		148 40		
	"	14	Y		150 30		
	"	15	B		152 40		
		16	R	12 18	154 40		
		17	Y		156 40		
		18	B		158 05		

Offset 670' to the left

Cut-in 268+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 5412 Division No. ____ F.B. 1507 Pg. 181

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

Notes Chkd. ____ Checked ____ Survey by Klimeck Notes S.W.S.M. Date 12-1-48

No. ____ Date ____ Date ____ Map No. ____ Rec'd Jackson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
262	N-16	1	R	12 29	163 30	Range Line 270+00 (N)	
+00		2	Y		161 30	Going Out	
		3	B		160 05		
		4	Y		159 00		
		5	B		157 20		
		6	R	12 32	156 40		
		7	Y		156 30		
	"	8	B		155 50		
	"	9	Y		154 00		
	"	10	B		153 00		
	"	11	R	12 36	149 50		
	"	12	Y		147 30		
	"	13	B		143 30		
	"	14	Y		139 00		
	"	15	B		130 00		
	"	16	R	12 47	124 45		
		17	Y		121 00		
		18	B		116 05		
		19	Y		113 45		
		20	B				

Cut-in 270+00 (N) Offset 670' to the left

F.B. 150 Pg. 182 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by Klienesk Notes J.W.J.M. 12-1-48 Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~11:51~~ 10:51	32.2 28.4	~~29 6~~ 29 7	50	24.7	Range Line 268+00(N)
2	Y		28.7 27.7	28 0✓	50	23.0	
3	B		27.8 26.3	26 8✓	49	21.9	
4	Y		27.5 25.7	26 3✓	49	21.4	
5	B		26.6 24.9	25 5✓	48	20.7	
6	R	~~12:07~~ 11:07	25.4 23.2	23 9✓	47	19.2	
7	Y		23.6 22.9	23 1✓	47	18.4	
8	B		23.2 22.0	22 4✓	47	17.7	
9	Y		23.2 21.0	21 7✓	46	17.1	
10	B		21.5 19.2	20 0✓	46	15.4	
11	R	~~12:15~~ 11:15	20.4 18.3	19 0✓	45	14.5	
12	Y		18.2 17.2	17 5✓	45	13.0	
13	B		17.8 16.0	16 6✓	45	12.1	
14	Y		15.8 14.1	14 7✓	45	10.2	
15	B		13.2 12.9	13 0✓	45	8.5	
16	R	~~12:19~~ 11:19	13.0 11.5	12 0✓	44	7.6	
17	Y		11.5 9.8	10 4✓	44	6.0	
18	B		9.0 8.3	8 5✓	44	4.1	
19	Y						
20	B						

Bod 7.
268+00(N)

Profile
No. ____ Date 12-13-48 Notes Red M.J. Plotted ____ Job No. 8412 Division No. ✓
X-Sec. Notes Chkd. ____ Checked ____ Survey of Beach Erosion
No. ____ Date ____ Date ____ Survey by Kinsel Notes R.T.M. [illegible]
Map No. ____ Indexed [illegible] Date ____

F.B. 1507 Pg. 183

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B.S.	H.I.	F.S.	ELEV.	28.3	
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~12:29~~	8.2 7.0	7 4✓	42	3.2	Range Line 270+00(N)
2	Y	11:29	10.1 8.2	8 8✓	42	4.6	
3	B		11.2 10.2	10 5✓	42	6.3	
4	Y		12.8 11.7	12 1✓	42	7.9	
5	B		14.1 12.0	12 7✓	42	8.5	
6	R	~~12:32~~	16.0 13.3	14 2✓	41	10.1	
7	Y	11:32	15.6 14.7	15 0✓	41	10.9	
8	B		16.6 16.0	16 2✓	41	12.1	
9	Y		18.6 16.5	17 2✓	41	13.1	
10	B		19.8 18.1	18 7✓	41	14.6	
11	R	~~12:37~~	23.4 19.9	21 1✓	40	17.1	
12	Y	11:37	22.8 20.5	21 3✓	40	17.3	
13	B		23.1 22.5	22 7✓	40	18.7	
14	Y		24.2 23.6	23 8✓	39	19.9	
15	B		26.3 23.2	24 3✓	38	20.5	
16	R	~~12:47~~	27.5 25.9	26 4✓	37	22.7	
17	Y	11:47	29.2 25.3	26 6✓	36	23.0	
18	B		28.8 27.1	27 7✓	35	24.2	
19	Y	~~12:56~~	30.0 28.2	28 8✓	34	25.4	
20	B	11:56					

Boat. 270+00(N)

F.B. 1507 PG. 184 Job No. 8412 Division No. V Notes Red. M.J. Plotted No. Profile
Survey of Beach Erosion Date 12-13-48 Date X-Sec.
Survey by Kleinsck Notes RJM 12/1/48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
272	N-17	1	R	1:11	89°40'	RANGE LINE ∡ = 90°
+00		2	Y		90°05'	
(N)		3	B		89°45'	
		4	Y		89°45'	
		5	B		90°00'	
		6	R	1:20	89°35'	
	=	7	Y		89°35'	
		8	B		90°30'	
	=	9	Y		89°40'	
		10	B		90°25'	
		11	R	1:29	90°15'	
	=	12	Y		90°20'	
		13	B		90°30'	
		14	Y		90°15'	
		15	B		90°00'	
		16	R	1:32	89°35'	
ON 680' OFFSET TO LEFT.	680'					
	=					

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Notes Chief ____ Date ____ Survey of BEACH EROSION
Map No. ____ Checked ____ Date ____

F.B. 15080/11

Range 272+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
274 N-17	1	R	1:44	89° 25'	RANGE LINE ∡ = 90°
+00	2	Y		86° 50'	
(N)	3	B		89° 30'	
	4	Y		91° 40'	
	5	B		90° 00'	
	6	R	1:48	91° 30'	
"	7	Y		91° 40'	
	8	B		90° 05'	
"	9	Y		91° 00'	
	10	B		90° 30'	
	11	R	1:54	89° 35'	
	12	Y		90° 00'	
"	13	B		90° 20'	
	14	Y		88° 55'	
680'	15	B		89° 50'	
	16	R	2:01	90° 20'	
	17	Y		89° 20'	
	18	B		89° 25'	
"					

Range 274+00 (N) ON 680 OFFSET TO LEFT.

Job No. 8412 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by KLENECK Notes HHR 12-1-48 Notes Chkd ____ Checked ____ X-Sec. ____
Indexed A. O. [illegible] Date ____ Date ____ No. ____

FORM 807 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
262	N-16	1	R	1 10	119 45	Range Line 272+00 (N)	
+00		2	Y		121 45	Coming In	
		3	B		126 10		
		4	Y		131 40		
		5	B		139 00		
		6	R	1 18	144 40		
		7	Y		149 40		
		8	B		155 10		
		9	Y		157 40		
		10	B		157 15		
		11	R	1 28	158 35		
		12	Y		160 10		
		13	B		161 15		
		14	Y		161 30		
		15	B		162 25		
		16	R	1 31	164 30		
		17	Y				
		18	B				
		19	Y				
		20	B				

Offset 670' to the left

Cut-in 272+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1567 Pg. 187

No. ____ Date ____ Date ____ Survey of Beach Erosion

X-Sec. Notes Chkd. ____ Checked ____ Survey by Klienach Notes J.W.S.M. Date 12-1-45

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
268	N-17	1	R	1 43	150 15	Range Line 274+00 (N)	
+00		2	Y		149 00		
		3	B		148 20		
		4	Y		147 20		
		5	B		146 45		
		6	R	1 48	145 45		
		7	Y		144 10		
		8	B		142 35		
		9	Y		140 20		
		10	B		138 25		
		11	R	1 53	131 20		
		12	Y		127 25		
		13	B		122 15		
		14	Y		116 00		
		15	B		112 50		
		16	R	2 00	110 50		
		17	Y		107 55		
		18	B		106 20		

Cut-in 274+00 (N) Offset 600' to the left

F.B. 150 Pg. 188 Job No. 5412 Division No. ____ Notes Red ____ Plotted ____ Profile
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by Klieneck Notes I.W.S.M. 12-1-48 Notes Chkd ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. _____ Notes Red. ____ Plotted ____ Job No. 8448 Division No. 4
X-Sec. No. _____ Date 12-13-48 Date _____ Survey of Topo & Erosion
Notes Chkd. _____ Date _____ Survey by Kincaid, Hamilton, RTM, Ron, Hall, Hall
No. _____ Date _____ Map No. _____ Checked _____ Date _____

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
			301				
1	R	~~+10~~	278	28.6	29	25.7	Range Line 272+00(N)
2	Y	12:10	269	26.9	29	23.9	
3	B		260				
4	Y		258	26.2	28	23.4	
5	B		243	25.0	28	22.2	
6	R	~~+19~~	240	23.3	27	20.6	
7	Y	12:19	229	21.7	26	19.1	
8	B		210	20.7	26	18.1	
9	Y		200	19.3	25	16.8	
10	B		204	17.3	25	14.8	
11	R	~~+24~~	188	16.6	24	14.2	
12	Y	12:28	168	15.0	23	12.7	
13	B		142	13.6	23	11.3	
14	Y		134	12.2	23	9.9	
15	B		116	12.1	23	9.8	
16	R	~~+30~~	105	10.3	23	8.0	
17	Y	12:30	97	8.3	23	6.0	
18	B		79				
19	Y						
20	B						

Base 7+
272+00(N)

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 5054 Pg. 190 Job No. 84-2 Division No. Profile
Survey of Beach erosion No. Notes Red 2nd Plotted
Survey by Kluegel Date 12-13-48 No. X-Sec.
Indexed Date Notes Chkd Checked
Date No.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~1:42~~	8.4	9.0	20	7.0	Range line 274+00(W)
2	Y	12:43	9.0	9.5	20	7.5	
3	B		10.1	10.7	20	8.7	
4	Y		12.0	12.7	19	10.8	
5	B		11.9	12.2	19	10.3	
6	R	~~1:44~~	13.2	14	18	12.4	
7	Y	12:46	14.1	14.3	18	12.5	
8	B		15.2	15.5	18	13.7	
9	Y		17.4	18.2	18	16.4	
10	B		18.5	19.7	18	17.9	
11	R	~~1:53~~	19.2	20.3	17	18.6	
12	Y	12:53	21.0	21.4	17	19.7	
13	B		23.1	22.2	17	20.5	
14	Y		23.0	23.6	16	22.0	
15	B		24.0	24.8	16	23.2	
16	R	~~2:01~~	27.0	26.2	15	24.7	Boat 274+00(W)
17	Y	1:01	29.0	27.4	15	25.9	
18	B	~~2:05~~	29.3	28.8	15	27.3	
19							
20							

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes [illegible] of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks	
276 +00 (N)	N-19	1	R	7:57	91° 20'	Range Line	∡ = 90°
		2	Y		91° 40'		
		3	W		91° 30'		
		4	Y		91° 10'		
		5	B		90° 00'		
	"	6	R	8:02	90° 10'		
		7	Y		90° 50'		
	"	8	B		90° 00'		
		9	Y		89° 40'		
		10	B		90° 30'		
		11	R	8:06	90° 35'		
	"	12	Y		90° 10'		
		13	B		90° 30'		
		14	Y		90° 25'		
		15	B		90° 25'		
	600'	16	R	8:11	90° 15'		
		17	Y		90° 35'		
	"	18	B		90° 25'		
		19	Y		90° 20'		

ON 600' OFFSET TO LEFT.

Range 276 +00 (N)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1507 No. 191

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

Notes Chkd. ____ Date ____ Survey by [illegible] Date 12-2-48

Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On #	Color	Time	Hor.	Ang.	Remarks	
278 "N-19"	1	R	8:27	90° 25'	RANGE LINE	∡ = 90°
+00 -20)	2	Y		89° 55'		
(N)	3	B		90° 10'		
	4	Y		89° 55'		
	5	B		90° 10'		
	6	R	8:37	90° 10'		
	7	Y		89° 50'		
	8	B		90° 00'		
	9	Y		90° 00'		
	10	B		90° 55'		
	11	R	8:45	90° 20'		
	12	Y		89° 50'		
	13	B		89° 30'		
	14	Y		89° 55'		
	15	B		91° 00'		
	16	R	8:49	90° 00'		
	17	Y		91° 20'		
	—					

ON 600' OFFSET TO LEFT.

Range 278+00 (N)

Profile
X-Sec.
No.
Plotted
Date
Checked
Date
Notes Red
Date
Notes Chkd.
Date
Job No. 8412
Division No.
Survey of BEACH EROSION
Survey by KLEINECK
Notes H+R 12-2-48
Indexed A. C. [illegible]
Date
F.B. [illegible] PG. 192

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
270	N-17	1	R	8 00	155 30	Range Line 276+00 (N)	
+00		2	Y		154 50	Going Out	
		3	W		152 50		
		4	Y		151 25		
		5	B		149 40		
		6	R	8 04	148 15		
		7	Y		147 05		
		8	B		145 05		
		9	Y		144 10		
	"	10	B		141 10		
	"	11	R	8 08	140 20		
	"	12	Y		139 05		
	"	13	B		137 35		
	"	14	Y		133 05		
	"	15	B		123 50		
	"	16	R	8 14	119 40		
		17	Y		113 50		
		18	B		110 05		
		19	Y		108 50		
		~~20~~	~~B~~				

Offset 600' to the left

Cut-in 276+00(N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1508/193

No. ____ Date ____ Survey of Beach Erosion

Checked ____ Survey by Wienecke Notes [illegible] Date 12-2-48

No. ____ Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
270	N-17	1	R	8 30	113 40	Range Line 278+00 (N)	
+00		2	Y		115 40	Coming In	
		3	B		119 20		
		4	Y		121 45		
		5	B		130 55		
		6	R	8 40	136 05		
		7	Y		139 30		
		8	B		146 00		
		9	Y		147 55		
		10	B		149 40		
		11	R	8 47	152 20		
		12	Y		153 35		
		13	B		155 10		
		14	Y		156 25		
		15	B		158 00		
		16	R	8 52	159 20		
		17	Y		161 20		

Cut-in 278+00 (N) Offset 600' to the left

F.B. 1508 194

Job No. 8412 Division No. Notes Red. Plotted Profile

Survey of Beach Erosion Date Date No. X-Sec.

Survey by Kliegeck Notes S.W.S.M. 12-2-48 Notes Chkd. Checked

Indexed [redacted] Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:59~~	97 / 69	7.8	52	2.6	Range Line 276+00 (N)
2	Y	6:59	104 / 78	8.7	52	3.5	
3	W		118 / 85	9.6	52	4.4	
4	Y		140 / 100	11.3	52	6.1	
5	B		147 / 111	12.3	52	7.1	
6	R	~~8:03~~	158 / 128	13.8	53	8.5	
7	Y	7:03	179 / 142	15.4	53	10.1	
8	B		182 / 165	17.1	53	11.8	
9	Y		192 / 172	17.9	53	12.6	
10	B		224 / 184	20.2	53	14.9	
11	R	~~8:07~~	234 / 209	21.7	53	16.4	
12	Y	7:07	240 / 218	22.5	53	17.2	
13	B		258 / 228	23.8	53	18.5	
14	Y		258 / 240	24.6	53	19.3	
15	B		265 / 255	25.8	53	20.5	
16	R	~~8:12~~	280 / 261	26.7	54	21.3	
17	Y	7:12	305 / 281	28.9	54	23.5	
18	B		322 / 298	30.6	54	25.2	
19	Y		321 / 307	31.2	54	25.8	

Boat 276+00 (N)

Profile No. ____ Notes Red M.J. Plotted ____ Job No. 84125 Division No. ____ F.B. 1607 Pg. 195
X-Sec. No. ____ Date 12-9-48 Date ____ Survey of Beach Erosion
Notes Cited ____ Checked ____ Survey by [illegible] Date 12-2-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~8 28~~	33 0 / 31 5	32.0	57	26.3	
2	Y	7:28	32 0 / 30 5	31.0	57	25.3	RANGE LINE 278+00 (N)
3	B		30 1 / 28 5	29.0	57	23.3	
4	Y		30 2 / 28 0	28.7	57	23.0	
5	B		27 8 / 26 5	26.9	57	21.2	
6	R	~~8 39~~	27 0 / 24 8	25.5	58	19.7	
7	Y	7:39	26 2 / 24 1	24.8	58	19.0	
8	B		24 5 / 22 5	23.2	58	17.4	
9	Y		22 5 / 20 7	21.3	58	15.5	
10	B		20 5 / 19 0	19.5	58	13.7	
11	R	~~8 47~~	18 2 / 17 4	17.7	59	11.8	
12	Y	7:47	16 4 / 15 4	15.7	59	9.8	
13	B		15 4 / 14 0	14.5	59	8.6	
14	Y		13 7 / 12 7	13.0	59	7.1	
15	B		12 8 / 10 5	11.3	59	5.4	
16	R	~~8 51~~	11 8 / 9 1	10.0	60	4.0	
17	Y	7:51	11 5 / 7 5	8.8	60	2.8	

Boat 278+00 (N)

F.B. 1602 PG. 196

Job No. 8412 Division No. Notes Red. M.J. Plotted Date 12-9-48 No. Profile

Survey of Beach Erosion Date Notes Chkd. Checked Date No. X-Sec.

Survey by [illegible] Notes [illegible] 12-2-48 Date

Indexed [illegible] Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At " On	#	Color	Time	Hor. Ang.	Remarks	
280 N-19	1	R	8:59	91° 05'	RANGE LINE ∡ = 90°	
+00 -20	2	Y		92° 50'		
(N)	3	B		90° 00'		
	4	Y		91° 20'		
	5	B		91° 35'		
	6	R	9:04	91° 35'		
"	7	Y		90° 05'		
	8	B		90° 35'		
"	9	Y		90° 35'		
	10	B		90° 10'		
	11	R	9:09	90° 10'		
	12	Y		90° 15'		
"	13	B		90° 40'		
	14	Y		90° 25'		
	15	B		90° 30'		
600'	16	R	9:17	90° 40'		
	17	Y		90° 40'		
	18	B		90° 40'		
	19	Y		90° 15'		
"	20	B		90° 30'		

ON 600' OFFSET TO LEFT.

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1679 1979
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by KLEINSCHMIDT H.I.R. Date 12-2-49
No. ____ Date ____ Date ____ Map No. ____ Inspected ____ Date ____

Range
280+00 (N)

F.B. 150 Pg. 198 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile

Survey of BEACH EROSION | Date | Date | No.

Survey by KLEINECK | Notes HHR 12-2-48 | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At " On 282+00 (N) N-19 -20	#	Color	Time	Hor. Ang.	
	1	R	9:35	~~91° 10'~~	
	2	Y		91° 20'	
	3	B		91° 05'	
	4	Y		91° 15'	
	5	B		91° 10'	
	6	R	9:38	91° 25'	
	7	Y		90° 20'	
	8	B		90° 25'	
	9	Y		90° 00'	
	10	B		89° 40'	
	11	R	9:42	90° 45'	
	12	Y		89° 45'	
	13	B		90° 20'	
	14	Y		90° 25'	
	15	B		90° 45'	
	16	R	9:49	89° 55'	
	17	B		90° 20'	
	18	B		90° 15'	
	19	Y		90° 20'	
	20	B		90° 40'	

Range 282+00 (N)

ON 600' OFFSET TO LEFT.

" 600' " " "

Remarks

RANGE LINE ∡ = 90°

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
270	N-17	1	R	9 02	164 40	Range Line 280+00 (N)	
+00		2	Y		163 50	Going Out	
		3	B		162 10		
		4	Y		161 50		
		5	B		161 10		
	"	6	R	9 07	159 35		
		7	Y		159 20		
	"	8	B		158 20		
		9	Y		157 20		
	"	10	B		155 30		
	"	11	R	9 11	154 20		
		12	Y		153 20		
		13	B		147 45		
	"	14	Y		140 35		
		15	B				
		16	R	9 19	135 25		
		17	Y		130 00		
		18	B		125 50		
		19	Y		122 00		
		20	B		119 55		

Offset 600' to the left

Cut-in 280+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 5412 Division No. ____ F.B. 1502 Pg. 199

X.Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Date ____ Survey of Beach Erosion Survey by Nicholson Notes [illegible] Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
276	N-19	1	R	9 39			Range Line 282+00 (N)
+00		2	Y		162	25	Going Out
		3	B		161	35	
		4	Y		159	50	
		5	B		157	40	
		6	R	9 40	156	30	
		7	Y		154	10	
		8	B		152	35	
	"	9	Y		149	40	
	"	10	B		146	50	
	"	11	R	9 44	145	10	
	"	12	Y		142	50	
	"	13	B		140	50	
	"	14	Y		138	40	
	"	15	B		135	45	
	"	16	R	9 52	124	20	
	"	17	Y		118	15	
	"	18	B		112	50	
	"	19	Y		110	35	
	"	20	B		108	40	

Cut-in 282+00 (N)
Offset 600' to the left

F.B. 150 Pg. 200
Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by Klieneck Notes N.W.S.N. 12-2-48 Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks.
1	R	~~9:01~~	8.9 / 7.6	8.0	61	1.9	
2	Y	8:01	11.1 / 8.8	9.6	61	3.5	RANGE LINE 280+00 (N)
3	B		11.2 / 9.2	9.9	61	3.8	
4	Y		13.2 / 10.8	11.6	61	5.5	
5	B		13.3 / 11.7	12.2	61	6.1	
6	R	~~9:05~~	12.9 / 11.8	12.2	62	6.0	
7	Y	8:05	15.1 / 13.2	13.8	62	7.6	
8	B		17.4 / 15.0	15.8	62	9.6	
9	Y		18.1 / 16.2	16.8	62	10.6	
10	B		19.4 / 18.2	18.6	62	12.4	
11	R	~~9:09~~	21.0 / 19.3	19.9	62	13.7	
12	Y	8:09	22.9 / 20.9	21.6	62	15.4	
13	B		24.0 / 23.0	23.3	62	17.1	
14	Y		25.6 / 24.0	24.5	62	18.3	
15	B		26.1 / 25.4	25.6	62	19.4	
16	R	~~9:19~~	28.2 / 25.9	26.7	63	20.4	
17	Y	8:19	28.9 / 26.7	27.4	63	21.1	
18	B		30.0 / 28.7	29.1	63	22.8	
19	Y		31.5 / 29.7	30.3	63	24.0	
20	B		32.8 / 30.1	31.0	63	24.7	

Boat 280+00 (N)

Profile No. ____ Notes Red M. J. Plotted ____ Job No. 842 Division No. ____
Date 12-9-48 Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by [illegible] Date 12-2-48
Date ____ Date ____ Map No. ____ Date ____

F.B. 150 Pg. 201

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 1107 Pg. 201 Job No. 4417 Division No. Notes Red. 2M.E. Plotted
Survey of Beach Erosion 1948 Date 12-9-48 Date No. Profile
Survey by Hauser & Jansen Notes 1948, 12/3/48 Notes Chkd Checked X-Sec.
Indexed Per C. Jansen Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
# Color	Time	Meas. Depth Bottom		Ht. Tide	Adj. Depth	Remarks.
~~1 R~~	~~9:34~~	~~8.6~~				
2 Y	8:36	10 9	10.1	64	3.7 RANGE LINE	282+00
3 B		12 0	11.0	64	4.6	(N)
4 Y		12 8	12.1	64	5.7	
5 B		14 1	12.8	64	6.4	
6 R	~~9:39~~	13 3	13.4	64	7.0	
7 Y	8:39	15 0	15.7	64	9.3	
8 B		16 5	16.7	64	10.3	
9 Y		18 3	18.4	64	12.0	
10 B		19 4	20.3	64	13.9	
11 R	~~9:43~~	21 0	21.7	65	15.2	
12 Y	8:43	23 3	23.0	65	16.5	
13 B		23 2	23.7	65	17.2	
14 Y		24 5	24.4	65	17.9	
15 R		25 0	25.4	65	18.9	
16 R	~~9:50~~	26 3	26.9	65	20.4	Boat 282+00 (N)
17 Y	8:50	28 0	28.9	65	22.4	
18 B		29 4	29.9	65	23.4	
19 Y		30 9	31.3	65	24.8	
20 B		32 9	33.0	65	26.5	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
284 "N-19"	1	R	10:13	91° 30'	RANGE LINE ∡ = 90°	
+00 -21	2	Y		91° 45'		
(N)	3	B		91° 10'		
	4	Y		90° 40'		
	5	B		90° 50'		
	6	R	10:15	90° 20'		
	7	Y		90° 00'		
"	8	B		90° 00'		
	9	Y		90° 00'		
"	10	B		90° 20'		
	11	R	10:24	90° 00'		
	12	Y		90° 15'		
"	13	B		90° 00'		
	14	Y		90° 20'		
	15	B		90° 20'		
600'	16	R	10:28	91° 00'		
	17	Y		89° 40'		
	18	B		90° 10'		
"	19	Y		90° 00'		
	20	B		89° 55'		

ON 600' OFFSET TO LEFT.

Range 284+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.S. Notes 205

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of BEACH EROSION Survey by [illegible] Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
286	N-19	1	R	10:52	91° 00'	RANGE LINE ∡ = 90°	
+00	-21	2	Y		89° 00'		
(N)		3	B		88° 35'		
		4	Y		89° 00'		
		5	B		89° 45'		
		6	~~(B)~~ R	10:54	89° 05'		
		7	(R) Y		90° 00'		
		8	(Y) B		90° 00'		
		9	(B) Y		90° 40'		
		10	(Y) B		90° 10'		
	=	11	(B) R	11:03	89° 30'		
		12	(R) Y		89° 40'		
		13	(Y) B		90° 15'		
	=	14	(B) Y		90° 20'		
		15	(Y) B		90° 20'		
		16	(B) R	11:10	89° 55'		
		17	(R) Y		89° 45'		
		18	(Y) B		89° 55'		
		19	(B) Y		90° 10'		
	=	20	(Y) B		89° 30'		

Range 286+00(N) OFFSET TO LEFT

ON 600' 600'

Job No. 8412 Division No. Notes Red Plotted Profile
Survey of BEACH EROSION Date Date No.
Survey by KLEINECK Notes HHR 12-2-48 Notes Chkd Checked X-Sec.
Indexed A. C. [illegible] Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
276 +00	N-19	1	R	10 15	167 55	Range Line 284+00 (N)	
		2	Y		167 25	Going Out	
		3	B		166 25		
		4	Y		164 55		
		5	B		164 00		
		6	R	10 17	162 30		
	"	7	Y		161 50		
	"	8	B		160 10		
	"	9	Y		157 15		
	"	10	B		155 00		
	"	11	R	10 26	152 55		
	"	12	Y		152 10		
	"	13	B		151 20		
	"	14	Y		145 30		
		15	B		139 10		
		16	R	10 32	131 20		
		17	Y		125 00		
		18	B		122 05		
		19	Y		117 40		
		20	B		114 40		

Offset 600' to the left

Cut-in 284+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1502 Pg. 205

Date ____ Date ____ Survey of Beach Erosion

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

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
276	N-19	1	R	10 54	172 20	Range Line 286+00 (N)	
+00		2	Y		171 10	Going Out	
		3	B		170 25		
		4	Y		169 05		
		5	B		168 30		
		6	R	10 57	167 40		
		7	Y		165 40		
		8	B		163 35		
	"	9	Y		162 10		
	"	10	B		159 45		
	"	11	R	11 06	158 45		
	"	12	Y		156 30		
	"	13	B		155 45		
	"	14	Y		155 10		
	"	15	B		152 20		
	"	16	R	11 12	149 25		
		17	Y		143 40		
		18	B		137 25		
		19	Y		130 25		
		20	B		125 55		
		~~21~~	~~R~~	~~11 20~~		123 50 ?	

Cut-in 286+00 (N)
Offset 600' to the left

F.B. 1508 Pg. 206
Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Date Date X-Sec.
Survey by Klieneck Notes L.W.S.M. 12-2-48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red ZM. BK Plotted Job No. 8422 Division No.
No. Date 12-9-46 Date Survey of Reseg Encino
X-Sec. Notes Chkd Checked Survey by Thompson Notes Chkd Date 12-2-46
No. Date Date Map No. Indexed Date

F.B. 1005 Pg. 209

STATION	B. S.	H. I.	F. S.	ELEV.		
# Color	Time	Meas Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1 R	~~10??~~	100 78	8.5	65	2.0	
2 Y	9:14	105 90	9.5	65	3.0	Range line 284+00 (N)
3 B		120 100	10.7	65	4.2	
4 Y		135 120	11.3	65	4.8	
5 B		120	12.4	65	5.9	
6 R	~~1017~~	145 131	13.6	65	7.1	
7 Y	9:17	140	14.3	65	7.8	
8 B		169 151	15.7	65	9.2	
9 Y		178 168	17.1	65	10.6	
10 B		200 185	19.0	65	12.5	
11 R	~~1025~~	218 208	20.4	65	13.9	
12 Y	9:25	211	21.7	65	15.2	
13 B		225	22.6	65	16.1	
14 Y		253 241	24.5	65	18.0	
15 B		274 253	25.7	65	19.2	
16 R	~~1030~~	271 261	26.6	65	20.1	
17 Y	9:30	312 297	29.0	65	22.5	
18 B		304 294	29.7	65	23.2	
19 Y		320 310	30.7	65	24.2	
20 B	~~1044~~	324 311	31.4	64	25.0	
	9:44					

284+00 (N)
Base

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____

Job No. 8W2 Division No. ____ Notes Red. W.J. Plotted ____

Survey of Bay Entrance Date 12-10-48 Notes Chkd. ____ Checked ____

Survey by Monroe Notes S.M. 12-2-48 Date ____

Indexed A.O. Johnson Date ____

Bk. 10 Pg. 208

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:53~~	50	6.0	63	+ 0.3	
2	Y	9:53	83	7.4	63	1.1	Range line 286+00N
3	B		95	8.6	63	2.3	
4	Y		109	9.2	63	2.9	
5	B		122	11.1	63	4.8	
6	R	~~10:56~~	105	11.3	63	5.0	
7	Y	9:56	121	12.9	63	6.6	
8	B		120	15.0	63	8.7	
9	Y		129	16.0	63	9.7	
10	B		141	17.8	63	11.5	
11	R	~~11:06~~	156	18.8	62	12.6	
12	Y	10:06	175	21.4	62	15.2	
13	B		193	22.3	62	16.1	
14	Y		206	22.8	62	16.6	
15	B		212	24.2	62	18.0	
16	R	~~11:11~~	235	24.8	62	18.6	
17	Y	10:11	263	25.9	62	19.7	Boat 286+00(N)
18	B		270	27.3	62	21.1	
19	Y		302	28.6	61	22.5	
20	B	~~10:12~~	329	30.4	61	24.3	

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On #	Color	Time	Hor. Ang.	Remarks	
288	N-19	1	R	11:29	90° 45'	RANGE LINE ∡ = 90°
+00	-22	2	Y		91° 45'	
(N)		3	B		90° 15'	
		4	Y		89° 15'	
		5	B		90° 00'	
	=	6	R	11:35	89° 45'	
		7	Y		90° 15'	
		8	B		91° 15'	
	=	9	Y		90° 15'	
		10	B		90° 40'	
	=	11	R	11:41	89° 40'	
		12	Y		90° 40'	
		13	B		89° 30'	
		14	Y		90° 15'	
	600'	15	B		89° 55'	
		16	R	11:49	89° 20'	
		17	Y		90° 00'	
		18	B		90° 15'	
	=	19	Y		90° 20'	

ON 600' OFFSET TO LEFT.

Range 288+00 (N)

Profile Notes Red. Plotted Job No. B-412 Division No.
No. Date Date Survey of BEACH E ROSWAY
Notes Chkd. Checked Survey by
No. Date Date Map No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
290	N-19	1	R	12:07	89° 50'	RANGE LINE ∡ = 90°	
+00	-22	2	Y		89° 25'		
(N)		3	B		91° 00'		
		4	Y		~~89° 10'~~	Out	
		5	B		90° 50'		
		6	R	12:10	89° 30'		
		7	Y		90° 05'		
	"	8	B		90° 55'		
		9	Y		90° 30'		
	"	10	B		90° 10'		
		11	R	12:14	90° 10'		
		12	Y		90° 20'		
	"	13	B		90° 00'		
		14	Y		90° 00'		
		15	B		89° 30'		
	600'	16	R	12:23	89° 30'		
		17	Y		89° 45'		
		18	B		90° 00'		
	"						

Range 290+00 (N) ON 600' OFFSET TO LEFT.

F.B. 1502 PG. 210 Job No. 8412 Division No. Notes Red Plotted Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by KLEINECK Notes HHR 12-2-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
282	N-19	1	R	11 32	165 10	Range Line 288+00 (N)	
+00		2	Y		164 40	Going Out	
		3	B		160 00		
		4	Y		158 20		
		5	B		155 50		
		6	R	11 38	154 50		
		7	Y		151 55		
		8	B		149 00		
		9	Y		146 15		
		10	B		144 30		
		11	R	11 43	142 30		
		12	Y		141 30		
		13	B		138 25		
		14	Y		134 55		
		15	B		129 20		
		16	R	11 52	120 50		
		17	Y		118 00		
		18	B		114 20		
		19	Y		112 00		
		20	B				

Offset 600' to the left

Cut-in 288+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1502 Pg. 211

No. ____ Date ____ Date ____ Survey of Beach Erosion

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

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
282	N-19	1	R	1209	168 20	Range Line 290+00(N)	
+00		2	Y		167 30	Going Out	
		3	B		163 55		
		4	Y				
		5	B		162 00		
		6	R	1212	160 30		
		7	Y		158 50		
		8	B		155 50		
	"	9	Y		153 50		
	"	10	B		152 30		
	"	11	R	1216	149 25		
	"	12	Y		145 30		
	"	13	B		142 05		
	"	14	Y		136 45		
	"	15	B		132 55		
	"	16	R	1225	127 40		
		17	Y		121 05		
		18	B		118 25		
		19	Y				
		20	B				

Cut-in 290+00(N) Offset 600' to the left

F.B. 150 Pg. 212 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Kleinert Notes J.W.S.M. 12-2-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11:31~~	9.6 7.1	7.9	60	1.9	Rangeline 288+00(N)
2	Y	10:31	9.5 8.0	8.5	60	2.5	
3	B		12.0 9.7 13.3	10.5	60	4.5	
4	Y		10.9	11.7	60	5.7	
5	B		14.0 12.2	12.8	60	6.8	
6	R	~~11:37~~	16.3 13.5	14.4	59	8.5	
7	Y	10:37	16.8 15.4	15.9	59	10.0	
8	B		18.5 16.7	17.3	59	11.4	
9	Y		20.0 18.4	18.9	59	13.0	
10	B		21.3 19.8	20.3	59	14.4	
11	R	~~11:42~~	21.8 20.1	20.7	58	14.9	
12	Y	10:42	23.0 21.4	21.9	58	16.1	
13	B		24.5 22.3	23.0	58	17.2	
14	Y		24.6 22.4	23.8	58	18.0	
15	B		27.0 24.0	25.0	58	19.2	
16	R	~~11:51~~	28.2 25.8	26.6	57	20.9	
17	Y	10:51	28.2 27.0	27.4	57	21.7	
18	B		30.0 28.1	29.1	57	23.4	
19	Y	~~11:56~~	32.3 29.8	30.6	57	24.9	
		11:56					

Boat 288+00(N)

Profile No. ____ Notes Red M.J. Plotted ____ Job No. 847 Division No. ____ F.B. 1102 PG. 213
Date 12-10-48 Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by [illegible] Date 12-2-48
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B. S. Tide	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~12:08~~	9.0 / 6.4	7.3	54	1.9	Range Line 290+00(N)
2	Y	11:08	9.2 / 7.9	8.3	54	2.9	
3	B		11.4 / 8.5	9.5	54	4.1	
~~4~~	~~Y~~		~~11.3~~ / ~~9.8~~		~~54~~		Out
5	B		13.0 / 11.2	11.8	54	6.4	
6	R	~~12:11~~	14.0 / 12.7	13.1	53	7.8	
7	Y	11:11	15.5 / 13.5	14.2	53	8.9	
8	B		17.5 / 15.0	15.8	53	10.5	
9	Y		18.3 / 16.3	17.0	53	11.7	
10	B		19.1 / 17.0	17.7	53	12.4	
11	R	~~12:16~~	21.5 / 18.5	19.5	52	14.3	
12	Y	11:16	22.7 / 20.5	21.2	52	16.0	
13	B		25.0 / 22.2	23.1	52	17.9	
14	Y		25.9 / 23.3	24.2	52	19.0	
15	B		26.7 / 24.5	25.2	52	20.0	
16	R	~~12:24~~	27.0 / 26.0	26.3	51	21.[illegible]	
17	Y	11:24	29.8 / 27.9	28.5	50	23.5	
18	B	~~12:30~~ 11:30	31.4 / 29.0	29.8	49	24.9	Boat 290+00(N)

F.B. 15 on PG. 214

Job No. 8412 Division No. Notes Red. M. J. Plotted No. Profile

Survey of Beach Erosion Date 12-10-48 Date X-Sec.

Survey by [illegible] Notes MSB 12/[illegible] Notes Chkd. Checked No.

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

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		Remarks
Inst. Sight At " On	#	Color	Time	Hor. Ang		
292 N-24	1	R	12:46	91° 10'	↑	RANGE LINE ∡ = 90°
+95	2	B		89° 30'	EAST SIDE OF ROCK SEA WALL (Breakwater)	
(N)	3	B		89° 30'		
	4	Y		89° 35'		* Line run out on this sta. instead of 293+40 because of obstacles about old Venice Pier
*	5	B		89° 35'		
	6	R	12:51	89° 30'		
	7	Y		89° 30'		
	8	B		88° 20'	↓	
	9	Y		91° 00'		
	10	B		90° 20'		
	11	R	1:01	90° 30'		
	12	Y		90° 40'	WEST SIDE OF ROCK SEA WALL	
	13	B		90° 40'		
	14	Y		90° 10'		
	15	B		89° 35'		
	16	R	1:05	89° 15'		
	17	Y		88° 30'		
	18	B		89° 05'		
	19	Y		88° 30'		
	20	B		89° 55'		
	21	R	1:19	88 05'		

See remarks ON 770' OFFSET TO LEFT.

770'

Range 292+95(N)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Drawing No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Scale ____
No. ____ Date ____ Date ____ Map No. ____

F.B. 507 Pg. 216 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile

Survey of BEACH EROSION | Date | Date | No.

Survey by KLEINECK | Notes HHR 12-3-48 | Notes Chkd. | Checked | X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.	
Inst. Sight At 295+00 (N) On N-24	#	Color	Time	Hor. Ang.	Remarks
	1	R	7:46	90° 05'	
	2	Y		90° 20'	
	3	B		90° 00'	
	4	Y		90° 30'	
	5	B		90° 25'	
	6	R	7:51	90° 20'	
	7	Y		90° 20'	
	8	B		90° 10'	
	9	Y		90° 15'	
	10	B		90° 15'	
	11	R	7:59	90° 20'	
	12	Y		90° 15'	

Range
295+00 (N)
ON 875' OFFSET TO LEFT.
" 875' " " " ,

ALL ON WEST SIDE OF ROCK SEA WALL
(out)

RANGE LINE ∡ = 90°
Running out from Sea wall

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At ~~292~~ On	#	Color	Time	Hor. Ang.	Remarks	
~~292~~ N-19	1	R	12 50	167 55	Range Line 292+95	— See remark
700	2	Y		167 50	Going Out	in range line
	3	B		166 20		notes.
	4	Y		165 05		
	5	B		162 15		
	6	R	12 54	160 35		
	7	Y		157 15		
	8	B		154 20		
"	9	Y		151 10		
"	10	B		150 45		
"	11	R	1 04	150 00		
"	12	Y		149 00		
"	13	B		148 05		
"	14	Y		146 45		
"	15	B		145 35		
	16	R	1 08	143 55		
	17	Y		138 25		
	18	B		136 00		
	19	Y		133 00		
	20	B		128 25		
	21	R	[illegible]	[illegible]		

Offset 600' to the left

Cut-in 292+95 (N)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. [illegible] Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Chk'd ____ Survey by [illegible]
No. ____ Date ____ Date ____ Map No. ____

[illegible] 218

Job No. 5412 Division No. ______ Notes Red. ______ Plotted ______ Profile

Survey of Beach Erosion ______ Date ______ Date ______ No. ______

Survey by Klieneck ______ Notes T.W.S.M. 12-3-48 ______ Notes Chkd. ______ Checked ______ X-Sec.

Indexed A. O. [illegible] ______ Date ______ Date ______ Date ______ No. ______

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Cut-in 295+00(N)

Offset 600' to the left

STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
282+00	N-19	1	R	745	154 20	Range Line 295+00(N)
		2	Y		153 20	
		3	B		152 45	~~Stone~~
		4	Y		151 45	~~INSIDE BREAKWALL at [illegible]~~
		5	B		150 35	← ~~end of old [illegible]~~
		6	R	750	148 10	
		7	Y		144 30	
		8	B		142 10	
"		9	Y		138 15	~~OUTSIDE BREAKWALL~~
"		10	B		133 50	
"		11	R	758	130 50	
		12	Y		127 10	
		13	B			
		14	Y			
"		15	B			
		16	R			
		17	Y			
		18	B			
		19	Y			
		20	B			

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~11:50~~	4.8 2.6	3.3	44	+1.1	Rangeline 29[illegible]
2	Y	11:50	3.5 3.0	3.2	44	+1.2	
3	B		6.0 4.9	5.3	44	0.9	
4	Y		7.2 6.0	6.4	44	2.0	BEACH SIDE of
5	B		8.7 8.0	8.2	44	3.8	Stone Sea Wall
6	R	~~11:[illegible]~~	9.8 9.1	9.3	43	5.0	at Westend of
7	Y	11:[illegible]	11.1 10.1	10.4	43	6.1	old Venice Pier
[illegible]	B		11.0 10.3	10.5	43	6.2	
[illegible]	Y	ON ROCKS	12.[illegible] 11.[illegible]	11.8	42	7.6	
[illegible]	B		17.8 16.8	16.6	41	12.5	
[illegible]	R	~~1:03~~	17.1 16.0	~~[illegible]~~	40	12.3	OUT SIDE OF
[illegible]	Y	12:03	18.1 17.1	17.4	40	13.4	~~BREAK WATER~~
[illegible]	B		19.0 18.0	18.3	40	14.3	Sea Wall
[illegible]	Y		20.8 19.5	19.9	40	15.9	
[illegible]	B		21.5 20.8	21.0	40	17.0	
[illegible]	R	~~1:07~~	23.5 21.[illegible]	22.2	39	18.3	
17	Y	12:07	25.2 23.2	23.9	39	20.0	
18	B		27.0 24.0	24.3	38	20.5	
19	Y		[illegible] 25.[illegible]	25.3	37	21.6	
20	B	12:22	27.[illegible] 27.[illegible]	27.1	36	23.5	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

Boat
292+95(N)

Profile No. ___ Notes Red M. K. Plotted 12-10-48 Date ___ Job No. [illegible] Survey of [illegible]
X-Sec. No. ___ Date ___ Map No. ___ Date ___

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.	29.4	
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~07 46~~	14.5 13.3	13 7✓	48	8.9	Range Line 295+00(N)
2	Y	6:46	17.2 15.2	15 9✓	48	11.1	All soundings on
3	B		18.6 16.3	17 1✓	48	12.3	sea side of
4	Y		20.2 18.0	18 7✓	48	13.9	seawall at W end
5	B		21.3 20.0	20 4✓	48	15.6	of old Venice Pier.
6	R	~~51~~	23.3 21.3	22 0✓	49	17.1	
7	Y	6:51	26.3 22.5	23 8✓	49	18.9	
8	B		26.8 24.0	24 9✓	49	20.0	
9	Y		27.3 25.0	25 8✓	49	20.9	
10	B	6:58	29.0 26.8	27 5✓	49	22.6	
11	R	~~07 58~~	30.0 28.1	28 7✓	50	23.7	
12	Y	~~08 01~~	32.0 29.8	30 5✓	50	25.5	
13	B	7:01					
14	Y						
15	B						
16							
17							
18							
19							
20							

Boat 295+00(N)

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. M.K. Date 12-10-48 Notes Chkd. Date

Job No. 8412 Division No. V Beach Erosion Notes RJM 12/13/48 Date

Survey of Survey by Klemeck Indexed A. C. Johnson

Form No. 220

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Inst. Sight At	Inst. Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
297	N-24	1	R	8:23	91° 15'	
+00		2	Y		91° 20'	RANGE LINE ∡ = 90°
(N)		3	B		90° 30'	
		4	Y		90° 15'	
	"	5	B		89° 45'	
	"	6	R	8:27	90° 05'	
		7	Y		89° 45'	
	"	8	B		89° 40'	
		9	Y		89° 20'	
		10	B		91° 20'	
		11	R	8:42	92° 00'	
	"	12	Y		91° 00'	
		13	B		90° 30'	
		14	Y		90° 45'	
	"	15	B		90° 20'	
		16	R	8:50	89° 45'	
	"	~~17~~	~~Y~~		~~89° 40'~~	Out
		~~18~~	~~B~~			Out
		17 ~~19~~	Y		89° 55'	
	"	18 ~~20~~	B		89° 40'	
		~~21~~	Y	9:01	89° 40'	

EAST SIDE OF ROCK SEA WALL. INST. AT 700' OFFSET TO LEFT. SIGHT on N-24 AT 700' OFFSET TO LEFT.

WEST SIDE OF ROCK SEA WALL. INST. AT 660' OFFSET TO LEFT. SIGHT on N-24 AT 660' OFFSET TO LEFT.

SEE REMARKS FOR OFFSET TO LEFT.

Range 297+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. [illegible]
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey [illegible] HHR [illegible] 12-3-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
299 +00 (N)	"N-24"	1	R	9:19	90° 20'	RANGE LINE ∡ = 90°
		2	Y		90° 20'	
		3	B		90° 00'	
		4	Y		90° 40'	
		5	B		90° 10'	
	"	6	R	9:30	89° 55'	
		7	Y		90° 40'	
		8	B		90° 15'	
	"	9	Y		90° 05'	
		10	B		90° 20'	
		11	R	9:42	90° 50'	
	"	12	Y		90° 20'	
		13	B		90° 35'	
	460'	14	Y		91° 30'	
		15	B		90° 40'	
		16	R	9:48	91° 20'	
		17	Y		90° 35'	
	"	18	B		90° 20'	
		19	Y		90° 35'	
		20	B		90° 35'	
		21	R	9:50	90° 50'	

Range 299+00 (N) ON 460' OFFSET TO LEFT.

F.B. 1502 Pg. 222 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by KLEINECK Notes H.H.R. 12-3-48 Notes Chkd. Checked
Indexed C. [illegible] Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
311+00 N-24	1	R	8 21	14 15	
	2	Y		15 00	RANGE LINE 297+00 (N)
	3	B		15 25	
	4	Y		17 00	
	5	B		17 25	
	6	R	8 26	18 40	
	7	Y		19 35	
	8	B		21 15	
	9	Y		23 05	
	10	B		25 45	
	11	R	8 40	29 35	
	12	Y		30 55	
	13	B		32 30	
	14	Y		34 25	
	15	B		36 40	
	16	R	8 48	39 40	
	~~17~~	~~Y~~		~~43 25~~	
	~~18~~	~~B~~			
	17 ~~19~~	Y		46 00	
	18 ~~20~~	B		49 20	
	19 ~~21~~	Y	8 59	51 40	

OFFSET 450' TO THE LEFT

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1507 Pg. 223
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 12/3/48
No. ____ Date ____ Date ____ Map No. ____ [illegible] Date ____

Cut-in 297+00(N)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
311+00	N24	1	R	9 17	57 40	
		2	Y		53 40	RANGE LINE 299+00 (N)
		3	B		49 00	
		4	Y		45 20	
		5	B		41 40	
	"	6	R	9 29	38 10	
	"	7	Y		34 05	
		8	B		31 35	
		9	Y		29 10	
	"	10	B		25 40	
		11	R	9 40	23 55	
		12	Y		22 35	
	"	13	B		20 40	
		14	Y		19 15	
		15	B		18 00	
	"	16	R	9 46	18 05 ok	
		17	Y		17 05	
		18	B		15 50	
		19	Y		15 10	
		20	B		14 15	
		21	R	9 49	13 10	

OFFSET 460' TO THE LEFT

Cut-in 299+00 (N)

F.B. 1107 Pg. 224 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Date Date X-Sec.
Survey by Klieneck Notes McB 12/3/48 Notes Chkd. Checked No.
Indexed [illegible] Date Date Date

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 #	Color	B.S.- Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~6:43~~	3.8 2.8	3.1	53	+2.2	Range Line 297+00(N)
2	Y	7:23	6.0 4.8	5.2	53	+0.1	soundings on shore
3	B		8.0 5.5	6.3	53	1.0	side of sea wall
4	Y		9.1 6.0	7.0	53	1.7	
5	B		9.0 7.8	8.2	53	2.9	
6	R	~~08:27~~	10.8 8.8	9.2	54	3.8	
7	Y	7:27	11.1 9.7	10.2	54	4.8	
8	B		13.0 10.9	11.6	54	6.2	
9	Y		13.1 11.8	12.2	54	6.8	
10	B		10.3 7.8	8.7	54	3.3	Last shot on shore side
11	R	08:	19.5 17.2	18.0	55	12.5	First shot on sea side of
12	Y	8:41	22.0 19.0	20.0	55	14.5	sea wall
13	B		23.0 21.0	21.7	55	16.2	
14	Y		24.1 22.0	22.7	56	17.1	
15	B		25.4 23.2	23.9	56	18.3	
16	R	~~8:50~~	27.0 25.0	25.7	57	20.0	
17	Y	7:50	29.0 27.0	27.7	57	22.0	
~~18~~	~~B~~		~~31.0~~ 28.1	~~29.1~~			
19	Y	~~08:57~~	32.0 30.0	30.7	57	25.0	Last shot
20	B	7:57					

Profile Notes Red Date 12-10-48 Plotted Date Checked Date

No. Date Map No. Date

No. Date Map No. Date

Job No. 8412 Division No. V
Survey of Beaches (W)
Record of Survey Book Page

297+00(N)

Bar.

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 4078 pg. 226 | Job No. 8412 Division No. K | Notes Red | Plotted | No. | Profile
Survey of Beach Erosion | Date 12-10-48 | Date | X-Sec.
Survey by Kienzle Notes RJM 12/13/48 | Notes Chkd | Checked | No.
Indexed A. C. Johnson Date | Date | Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:18~~	~~30.0~~ 31.0	31 7V	59	25.8	Range Line 299+00(N)
2	Y	8:18	~~30.2~~ 29.2	29 5V	59	23.6	
3	B		~~28.5~~ 27.6	27 9V	59	22.0	
4	Y		~~27.4~~ 25.8	26 3V	59	20.4	
5	B		~~25.3~~ 24.4	24 7V	59	18.8	
6	R	~~9:30~~	~~24.2~~ 22.9	23 3V	60	17.3	
7	Y	8:30	~~22.4~~ 21.8	22 2V	60	16.2	
8	B		~~22.3~~ 21.1	21 5V	60	15.5	opp end of seawall about at sea edge
9	Y		~~22.1~~ 20.2	20 8V	60	14.8	on line with end of all pier
10	B		~~19.3~~ 18.8	19 0V	60	13.0	
11	R	~~9:41~~	~~18.7~~ 17.8	18 1V	61	12.0	
12	Y	8:41	~~18.8~~ 16.9	17 5V	61	11.4	
13	B		~~16.8~~ 15.8	16 1V	61	10.0	
14	Y	8:46	~~15.3~~ 14.1	14 5V	61	8.4	Boat 299+00(N)
15	B	~~9:46~~	~~13.2~~ 12.9	13 0V	61	6.9	
16	R	~~9:48~~	~~13.1~~ 12.0	12 4V	62	6.2	
17	Y	8:48	~~13.2~~ 11.0	11 7V	62	5.5	
18	B		~~10.5~~ 9.5	9 8V	62	3.6	
19	Y		~~10.2~~ 8.5	9 1V	62	2.9	
20	B	8:51	~~8.9~~ 7.9	~~7 5~~ 7 6	62	1.3	
21	R	~~9:51~~	6.2/6.5	5 7V	62	+ 0.5	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
301 +00 (N)	N-24	1	R	10:02	90°15'	RANGE LINE ∡ = 90°
		2	Y		89°50'	
		3	B		89°35'	
		4	Y		90°40'	
		5	B		90°00'	
		6	R	10:06	90°05'	
	=	7	Y		89°55'	
		8	B		90°20'	
	=	9	Y		90°20'	
		10	B		90°35'	
		11	R	10:11	90°25'	
	=	12	Y		89°40'	
		13	B		91°05'	
		14	Y		90°00'	
		15	B		90°05'	
	460'	16	R	10:17	90°25'	
		17	Y		90°00'	
	=	18	B		90°05'	
		19	Y		90°45'	
		20	B		89°50'	
		21	R	10:28	90°10'	

ON 460' OFFSET TO LEFT.

Range 301+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. [illegible]
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey by [illegible] 12-3-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
303 +00 (N)	N-24	1	R	10:38	89° 45'	RANGE LINE ∠ = 90°
		2	Y		90° 15'	
		3	B		89° 40'	
		4	Y		90° 55'	
		5	B		90° 30'	
		6	R	10:44	89° 50'	
	=	7	Y		90° 25'	
		8	B		91° 00'	
	=	9	Y		90° 25'	
		10	B		91° 00'	
		11	R	10:48	90° 55'	
		12	Y		91° 00'	
	=	13	B		90° 15'	
		14	Y		90° 05'	
	460'	15	B		90° 15'	
		16	R	10:57	90° 05'	
		17	Y		90° 05'	
	=	18	B		91° 10'	

Range 303+00 (N) ON 460' OFFSET TO LEFT.

F.B. 1504 Pg. 224 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by KLEINECK Notes HHR 12-3-48 Notes Chkd. Checked
Indexed C. [illegible] Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
311+00 N-24	1	R	1000	12 15		
	2	Y		12 50	RANGE LINE	301+00 (N)
	3	B		13 30		
OFFSET 460 FT. TO THE LEFT "	4	Y		15 50		
	5	B	(16)	~~15~~ 30		
"	6	R	1004	17 20		
"	7	Y		18 35		
"	8	B		20 20		
"	9	Y		21 25		
"	10	B		24 10		
"	11	R	1009	25 40		
	12	Y		27 15		
	13	B		28 40		
	14	Y		29 40		
"	15	B		34 55		
	16	R	1015	37 50		
	17	Y		42 20		
	18	B		50 45		
	19	Y		54 25		
	20	B		57 45		
	21	R	1026	61 25		

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Klieneck Notes M&B Date 12/3/48
No. Date Date Map No. Indexed Date

F.B. 1508 Pg. 224

Cut-in 301+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
311+00	N-24	1	R	1036	14 15		
		2	Y		17 00	RANGE LINE	303+00 (N)
		3	B		17 45		
	"	4	Y		19 25		
		5	B		20 50		
	"	6	R	1042	21 50		
		7	Y		23 40		
	"	8	B		25 35		
		9	Y		28 05		
	"	10	B		30 30		
		11	R	1046	34 00		
	"	12	Y		40 05		
		13	B		47 15		
		14	Y		52 20		
		15	B		57 20		
	"	16	R	1056	61 30		
		17	Y		64 45		
		18	B		66 40		

OFFSET 460 FT TO THE LEFT

Cut-in 303+00 (N)

F.B. 15 of 230 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Kliepeck Notes M&B 12/3/48 Notes Chkd. Checked
Indexed [illegible] Date Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		30.6
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10-02~~	6.4 / 4.0	4 8	62	+1.4	Range Line 301+00 (N)
2	Y	9:02	6.8 / 5.8	6 1	62	+0.1	
3	B		7.8 / 6.0	6 6	62	0.4	
4	Y		9.3 / 8.0	8 4	62	2.2	
5	B		11.2 / 9.0	9 7	62	3.5	
6	R	~~10-06~~	11.8 / 11.3	11 5	63	5.2	
7	Y	9:06	13.5 / 12.2	12 6	63	6.3	
8	B		15.7 / 14.6	15 0	63	8.7	
9	Y		16.5 / 15.3	15 7	63	9.4	
10	B		18.5 / 17.8	18 0	63	11.7	
11	R	~~11~~	20.1 / 18.4	19 0	63	12.7	
12	Y	9:11	20.7 / 17.2	18 4	63	12.1	
13	B		21.3 / 19.4	20 0	63	13.7	
14	Y		21.3 / 20.0	20 4	63	14.1	
15	B		23.6 / 21.6	22 3	63	16.0	
16	R	~~10-16~~	23.3 / 22.8	23 0	63	16.7	
17	Y	9:16	25.1 / 24.8	24 9	63	18.6	
18	B		27.8 / 26.8	27 1	63	20.8	
19	Y		28.8 / 27.8	28 1	63	21.8	
20	B	9:28	30.8 / 29.1	29 7	63	23.4	
21	R	~~10:28~~	30.8/32.5	31 4	63	25.1	

Boat 301+00 (N)

Profile No. ____ Notes Red. M. B. Plotted ____ Job No. 8412 Division No. ✓
Date 12-10-48 Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Kleinecke Notes RJM Date 12/3/48
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1 Sop. 231

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas Depth	Bottom	Ht. Tide.	Adj Depth	Remarks.
1	R	~~10:37~~	8.0 5.8	6.5	63	0.2	Range Line 303+00(N)
2	Y	9:37	9.5 7.7	8.3	63	2.0	
3	B		10.5 9.0	9.5	63	3.2	
4	Y		12.5 11.0	11.5	63	5.2	
5	B		15.0 13.0	13.7	63	7.4	
6	R	~~10:44~~	16.0 14.0	14.7	63	8.4	
7	Y	9:44	17.0 18.5	16.0	63	9.7	
8	B		19.0 17.0	17.7	63	11.4	
9	Y		21.0 18.7	19.5	63	13.2	
10	B		21.0 19.8	20.2	63	13.9	
11	R	~~10:48~~	22.5 21.0	21.5	63	15.2	
12	Y	9:48	24.0 22.4	22.9	63	16.6	
13	B		26.0 24.1	24.7	63	18.4	
14	Y		27.8 25.8	26.5	63	20.2	
15	B		29.1 27.1	27.8	63	21.5	
16	R	~~10:58~~	29.6 28.9	29.1	63	22.8	Boat. 303+00(N)
17	Y	9:58	31.1 30.5	30.7	63	24.4	
18	B		31.2 30.9	31.0	63	24.7	

F.B. 1507 PG. 232 Job No. 9412 Division No. ____ Notes Red. M.J. Plotted ____ Profile
Survey of Beach Erosion Date 12-10-48 Date ____ No. ____
Survey by Klieneck Notes E.T. Mole 12/3/48 Notes Chkd. ____ Checked ____ X-Sec.
Indexed C. Johnson Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
305+00 (N)	N-24	1	R	11:12	89°55'	RANGE LINE ∡ = 90°
		2	Y		89°35'	
		3	B		90°05'	
		4	Y		89°45'	
		5	B		89°45'	
		6	R	11:15	89°45'	
		7	Y		90°35'	
	=	8	B		89°50'	
		9	Y		90°40'	
	=	10	B		90°40'	
		11	R	11:20	90°00'	
		12	Y		89°55'	
		13	B		91°40'	
	=	14	Y		91°30'	
		15	B		90°50'	
	460'	16	R	11:25	90°10'	
		17	Y		90°15'	
		18	B		89°45'	
	=	19	Y		90°45'	
		20	B		89°55'	
		21	R	11:35	90°40'	

ON 460' OFFSET TO LEFT.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F.B. No. 7-233
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey by KEENE & WHR Date 12-3-48
Date ____ Date ____ Map No. ____ Amended ____ Date ____

Range 305+00 (N)

FORM 307 SM 1-46

- PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

F. Bk. 870 Pg. 234 | Job No. 8412 Division No. | Notes Red | Date | Plotted | No. | Profile
Survey of BEACH EROSION | Date | | | X-Sec.
Survey by KLEINECK Notes HHR 12-3-48 | Notes Chkd | Checked | No.
Indexed Dr. C. Johnson | Date | Date

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight							
At	On	#	Color	Time	Hor. Ang.	Remarks	
307	N-24	1	R	11:54	89° 00'	RANGE LINE X = 90°	
+00		2	Y		90° 00'		
(N)		3	B		89° 30'		
		4	Y		91° 15'		
		5	B		90° 50'		
	"	6	R	12:01	89° 45'		
		7	Y		89° 55'		
	"	8	B		90° 10'		
		9	Y		89° 55'		
		10	B		90° 00'		
	"	11	R	12:05	89° 55'		
		12	Y		90° 10'		
		13	B		90° 10'		
		14	Y		89° 55'		
		15	B		90° 10'		
	= 460'	16	R	12:11	90° 00'		
		17	Y		90° 00'		
		18	B		90° 15'		
		19	Y		89° 40'		
		20	B		89° 50'		

Range 307+00(N) ON 460' OFFSET TO LEFT.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
311+00	N-24	1	R	11 10	18 15		
		2	Y		20 00	RANGE LINE	305+00 (N)
		3	B		21 25		
		4	Y		23 20		
		5	B		24 35		
		6	R	11 13	26 15		
	"	7	Y		27 50		
	"	8	B		29 30		
	"	9	Y		32 30		
	"	10	B		33 00		
	"	11	R	11 18	33 35		
	"	12	Y		37 15		
	"	13	B		41 10		
	"	14	Y		46 50		
	"	15	B		50 05		
	"	16	R	11 24	52 40		
		17	Y		60 00		
		18	B		62 45		
		19	Y		68 00		
		20	B		71 00		
		21	R	11 33	72 20		

OFFSET 460' TO THE LEFT

Cut-in 305+00 (N)

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleenschen Notes MCB Date 12/3/48
No. ____ Date ____ Date ____ Map No. ____ Checked [illegible] Date ____

F.B. [illegible]

F.B. 4068-236 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by Kliepeck [illegible] Notes McB (12-3-??) Notes Chkd. ____ Checked ____ X-Sec.
Indexed ____ Date ____ Date ____ Date ____ No. ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

Cut-in 307+00 (N)

OFFSET 460' TO THE LEFT

STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
301+00	N-24	1	R	11 52	165 25	
		2	Y		162 45	RANGE-LINE 307+00 (N)
		3	B		162 20	
		4	Y		160 05	
		5	B		158 20	
		6	R	11 59	157 30	
	"	7	Y		156 35	
		8	B		154 15	
	"	9	Y		153 05	
	"	10	B		151 45	
		11	R	12 03	148 40	
		12	Y		146 15	
	"	13	B		143 30	
		14	Y		140 00	
		15	B		131 05	
	"	16	R	12 08	126 25	
		17	Y		120 25	
		18	B		114 45	
		19	Y		111 30	
		20	B		109 00	

FORM 307 10M 10-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11:12~~	8.5 7.5	7.8	62	1.6	Range Line 305+00(N)
2	Y	10:12	9.5 8.2	8.6	62	2.4	
3	B		10.5 9.5	9.8	62	3.6	
4	Y		12.1 10.9	11.3	62	5.1	
5	B		13.4 12.1	12.5	62	6.3	
6	R	~~11:15~~	14.8 13.8	14.1	61	8.0	
7	Y	10:15	16.7 15.2	15.7	61	9.6	
8	B		18.1 16.1	16.8	61	10.7	
9	Y		20.9 17.8	18.[illegible]	61	12.7	
10	B		20.0 18.7	19.1	61	13.0	
11	R	~~11:20~~	20.5 19.0	19.5	61	13.4	
12	Y	10:20	22.8 20.5	21.3	61	15.2	
13	B		23.0 21.5	22.0	61	15.9	
14	Y		24.0 22.5	23.0	61	16.9	
15	B		24.5 23.5	23.8	61	17.7	
16	R	~~11:26~~	25.0 24.0	24.3	60	18.3	
17	Y	10:26	27.0 25.4	25.9	60	19.9	
18	B		28.2 27.1	27.4	60	21.5	
19	Y		30.3 28.3	29.0	60	23.0	
20	B	10:35	32.5 30.4	31.1	59	25.2	
21	R	~~11:35~~	33.8 30.9	31.6	59	25.7	

Boat 305+00(N)

Profile Notes Red M.J. Plotted Job No. 8412 Division No.
No. Date 12-10-48 Date Survey of Beach Erosion
X-Sec. Notes Chkd Checked Survey by Kiepack Note [illegible] Dec 3, '48
No. Date Date Map No. Checked [illegible] Date

F.B. [illegible] 237

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks.
1	R	~~11:54~~	70 55	6.0	57	0.3	
2	Y	10:54	85 72	7.6	57	1.9	Range line 307+00 (N)
3	B		94 83	8.6	57	2.9	
4	Y		118 98	10.2	57	4.5	
5	B		130 111	11.7	57	6.0	
6	R	~~12:00~~	130 119	12.3	56	6.7	
7	Y	11:00	144 131	13.5	56	7.9	
8	B		160 149	15.3	56	9.7	
9	Y		177 160	16.6	56	11.0	
10	B		186 170	17.5	56	11.9	
11	R	~~12:05~~	203 188	19.3	55	13.8	
12	Y	11:05	211 200	20.4	55	14.9	
13	B		221 210	21.4	55	15.9	
14	Y		230 214	21.9	55	16.4	
15	B		240 225	23.0	55	17.5	
16	R	~~12:10~~	251 233	23.9	54	18.5	Boat 307+00 (N)
17	Y	11:10	264 250	25.5	54	20.1	
18	B		282 269	27.3	54	21.9	
19	Y		300 281	28.7	54	23.3	
20	B		312 309	30.4	54	25.0	

F.B. 1507 pg. 238

Job No. 8412 Division No. _____ Notes Red. M.J. Plotted _____ Date 12-10-48 No. _____ Profile

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

Survey by Meinecke Notes S.H. 12-3-48 Date _____ Date _____ Date _____

Indexed A. C. Johnson Date _____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
309	N-24	1	R	12:28	90° 30'	RANGE LINE ∡ = 90°	
+00		2	Y		91° 20'		
(N)		3	B		89° 30'		
		4	Y		90° 40'		
		5	B		90° 20'		
		6	R	12:32	91° 25'		
	"	7	Y		90° 00'		
	"	8	B		89° 25'		
		9	Y		90° 45'		
		10	B		90° 40'		
	"	11	R	12:37	90° 40'		
		12	Y		90° 10'		
	"	13	B		91° 15'		
		14	Y		90° 00'		
		~~15~~	~~B~~		~~89° 45'~~	Out.	
	460'	16	R	12:44	90° 20'		
		17	Y		90° 25'		
		18	B		89° 50'		
	"	19	Y		90° 30'		

ON 460' OFFSET TO LEFT.

Range 309+00 (N)

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 9412 ____ Survey of BEACH E ROSION

X-Sec. No. ____ Date ____ Date ____ Checked ____ Date ____ Map No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
311	N-24	1	R	8:36	91° 30'	RANGE LINE ∡ = 90°	
+00		2	Y		93° 20'		
(N)		3	B		90° 10'		
		4	Y		90° 45'		
		5	B		90° 40'		
	"	6	R	8:41	90° 45'		
		7	Y		91° 05'		
	"	8	B		92° 10'		
		9	Y		90° 40'		
		10	B		90° 35'		
		11	R	8:44	91° 00'		
	"	12	Y		91° 20'		
		13	B		90° 15'		
		14	Y		90° 40'		
		15	B		89° 50'		
	460'	16	R	9:02	90° 35'		
		17	Y		90° 40'		
		18	B		89° 40'		
	"	19	Y		89° 45'		

Range 311+00 (N)

ON 460' OFFSET TO LEFT

F.B. Nord Pg. 240 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of BEACH EROSION Date Date X-Sec.
Survey by KLEINECK Notes H H R 12-6-48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
303+00 N·24	1	R	12 27	167 50		
	2	Y		165 50	RANGE LINE 309+00 (N)	
	3	B		163 20		
	4	Y		160 00		
	5	B		158 50		
	6	R	12 29	158 25		
	7	Y		156 55		
	8	B		156 25		
	9	Y		156 10		
	10	B		153 05		
	11	R	12 35	149 30		
	12	Y		146 45		
	13	B		142 50		
	14	Y		135 10		
	15	B			← out	
	16	R	12 42	118 55		
	17	Y		114 30		
	18	B		109 50		
	19	Y		107 55		

OFFSET 460' TO THE LEFT

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Klieneck Notes MSB Date 12/3/48
No. ____ Date ____ Date ____ Map No. ____ Chkd. ____ Date ____

F.B. 1/0 to 241

Cut in 309+00 (N)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
303	N-24	1	R	8 38	165 45	Range line 311+00 (N)	
+00		2	Y		165 35		
		3	B		163 35		
		4	Y		161 00		
	"	5	B		161 20	ok	
		6	R	8 43	161 10		
	"	7	Y		160 30		
		8	B		159 25		
	"	9	Y		158 20		
		10	B		156 40		
	"	11	R	8 45	155 30		
		12	Y		146 10		
		13	B		136 50		
	"	14	Y		128 15		
		15	B		121 35		
		16	R	9 03	119 25		
		17	Y		117 10		
		18	B		114 30		
		19	Y		113 15		
		20	B				

Cut-in 311+00 (N)

OFF SET 460' To The Left

Profile

Survey of Beach erosion Job No. 8412 Division No. Notes Red. Plotted No.

Survey by Kleineck Notes S.H. Date Date X-Sec.

Indexed A. C. Johnson Date 12/6/48 Notes Chkd. Checked Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj Depth	Remarks
1	R	~~12:28~~	150 / 40	43	51	+0.8	
2	Y	11:28	76 / 60	65	51	1.4	Range line 309+00 (N)
3	B		89 / 80	83	51	3.2	
4	Y		110 / 100	103	51	5.2	
5	B		132 / 120	124	51	7.3	
6	R	~~12:31~~	138 / 128	131	50	8.1	
7	Y	11:31	153 / 135	141	50	9.1	
8	B		161 / 146	151	50	10.1	
9	Y		160 / 150	153	50	10.3	
10	B		180 / 173	175	50	12.5	
11	R	~~12:37~~	210 / 190	197	49	14.8	
12	Y	11:37	212 / 200	204	49	15.5	
13	B		230 / 213	219	49	17.0	
14	Y		235 / 219	224	48	17.6	
~~15~~	~~B~~		250 / 237				out
16	R	~~12:44~~	260 / 253	255	47	20.8	
17	Y	11.44	280 / 270	273	47	22.6	
18	B		299 / 287	291	47	24.4	
19	Y		320 / 308	312	47	26.5	
20	B						

Boat
309+00 (N)

Profile Notes Red M.K. Plotted ____ Job No. [illegible] Division No. ____ F.B. [illegible] Pg. 243
No. ____ Date 12-10-48 Date ____ Survey of [illegible] Ero 3.02
X-Sec. Notes Chkd ____ Checked ____ Survey by [illegible] Notes S.H. Date 12-3-48
No. ____ Date ____ Date ____ Map No. ____ Date ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks.
1	R	~~8:37~~	9.9 7.9	8.6	34	5.2	Range Line 311+00 (N)
2	Y	7:37	10.0 8.8	9.2	34	5.8	
3	B		12.0 10.0	10.7	34	7.3	
4	Y		12.2 11.5	11.7	34	8.3	
5	B		13.9 12.7	13.1	34	9.7	
6	R	~~8:42~~	14.5 13.3	13.7	35	10.2	
7	Y	7:42	14.5 14.0	14.2	35	10.7	
8	B		16.9 14.9	15.6	35	12.1	
9	Y		17.9 16.0	16.6	35	13.1	
10	B		18.3 17.3	17.6	35	14.1	
11	R	~~8:45~~	19.0 18.1	18.4	35	14.9	
12	Y	7:45	21.3 19.5	20.1	35	16.6	
13	B		22.6 20.3	21.1	35	17.6	
14	Y		23.9 22.1	22.7	35	19.2	
15	B		25.2 23.9	24.0	35	20.5	
16	R	~~9:02~~	26.9 25.9	25.9	35	22.4	
17	Y	8:02	29.3 26.5	27.1	35	23.6	
18	B		29.3 28.0	28.4	35	24.9	
19	Y	~~9:06~~ 8:06	30.3 28.9	29.4	35	25.9	

Boat 311+00 (N)

F.B. 1507 Pg. 244 Job No. 8412 Division No. Notes Red. M.J. Plotted No. Profile
Survey of Beach Erosion Date 12-29-48 Date X-Sec.
Survey by Klienck Notes Ed. M.J. 12-6-48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At " On "	#	Color	Time	Hor. Ang.	Remarks	
313 N-25	1	R	9:18	90°35'	RANGE LINE ∡ = 90°	
+00	2	Y		90°30'		
(N)	3	B		89°55'		
	4	Y		90°15'		
	5	B		90°05'		
"	6	R	9:29	90°15'		
	7	Y		90°55'		
"	8	B		89°35'		
	9	Y		90°35'		
	10	B		90°30'		
"	11	R	9:41	90°30'		
	12	Y		90°15'		
	13	B		91°00'		
	14	Y		90°50'		
	15	B		90°50'		
400'	16	R	9:50	90°05'		
	17	Y		90°20'		
	18	B		90°15'		
"	19	Y		89°50'		
	20	B		91°00'		

ON 400' OFFSET TO LEFT

Range 313+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ P.B. 150 pg. 245
Date ____ Date ____ Survey of BEACH EROSION
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by KLEINECK Notes HHR Date 12-6-48
Date ____ Date ____ Map No. ____ Inspector ____ Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
315	N-25	1	R	10:18	90° 00'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 35'		
(N)		3	B		90° 00'		
		4	Y		90° 45'		
		5	B		89° 55'		
		6	R	10:26	90° 20'		
	=	7	Y		90° 30'		
		8	B		90° 40'		
		9	Y		91° 25'		
	=	10	B		89° 45'		
		11	R	10:30	90° 50'		
		12	Y		90° 20'		
		13	B		89° 50'		
	=	14	Y		90° 10'		
		15	B		89° 55'		
		16	R	10:38	90° 35'		
	400'	17	Y		90° 05'		
		18	B		90° 20'		
	=	19	Y		90° 30'		
		20	B		90° 45'		

Range 315+00 (N) ON 400' OFFSET TO LEFT.

Job No. 8412 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by KLEINECK Notes HHR 12-6-48 Notes Chkd ____ Checked ____ X-Sec. ____
Indexed A. C. [illegible] Date ____ Date ____ Date ____ No. ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks	
303 N-24	1	R	9 19	115 50	Range line 313+00 (N)	
+00	2	Y		117 00		
	3	B		119 10		
	4	Y		122 15		
	5	B		124 20		
"	6	R	9 31	128 15		
"	7	Y		132 50		
"	8	B		135 20		
"	9	Y		141 05		
"	10	B		144 15		
"	11	R	9 42	151 25		
"	12	Y		156 20		
"	13	B		158 40		
"	14	Y		161 15		
"	15	B		162 55		
"	16	R	9 51	164 00		
"	17	Y		164 45		
"	18	B		166 40		
"	19	Y		167 20		
"	20	B		169 00		

OFFSET 460' TO THE LEFT

Cut-in 313+00 (N)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8462 Division No. ____ F.B. 650 Pg. 24

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

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

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
303	N-24	1	R	10 20	172 15	Range line 315+00 (N)
+00		2	Y		170 50	
		3	B		170 20	
		4	Y		168 55	
		5	B		167 50	
	"	6	R	10 28	168 05	ok
		7	Y		166 45	
	"	8	B		166 15	
		9	Y		165 25	
	"	10	B		163 10	
		11	R	10 32	160 35	
	"	12	Y		156 35	
		13	B		153 20	
	"	14	Y		146 00	
		15	B		139 40	
		16	R	10 39	134 25	
		17	Y		129 25	
		18	B		126 30	
		19	Y		124 40	
		20	B	10 45	123 50	

Cut-in 315+00 (N) OFFSET 400' To The left

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red Date Notes Chkd Date
Job No. 8412 Division No.
Survey of Beach erosion
Survey by Kleineck Notes S.H. 12/6/48
Indexed A. G. Johnson Notes

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~9:18~~	31.7 30.1	30.6	36	27.0	Range Line 313+00 (N)
2	Y	8:18	31.7 28.8	29.8	36	26.2	
3	B		30.5 27.9	28.8	36	25.2	
4	Y		28.4 26.8	27.3	36	23.7	
5	B		27.5 25.2	26.0 ~~26.5~~	36	22.4	
6	R	~~9:30~~	25.3 24.0	24.4	36	20.8	
7	Y	8:30	24.8 23.7	23.8	36	20.2	
8	B		24.5 22.9	23.4	36	19.8	
9	Y		22.5 21.4	21.8	36	18.2	
10	B		21.9 20.1	20.7	36	17.1	
11	R	~~9:43~~	21.9 19.9	20.6	37	16.9	
12	Y	8:43	21.1 18.6	19.4	37	15.7	
13	B		21.4 18.0	19.1	37	15.4	
14	Y		19.2 17.0	17.7	37	14.0	
15	B		17.7 16.3	16.8	37	13.1	
16	R	~~9:50~~	16.3 14.9	15.4	37	11.7	
17	Y	8:50	16.2 13.6	14.4	37	10.7	
18	B		13.0 11.3	11.8	37	8.1	
19	Y		11.5 10.1	10.6	37	6.9	
20	B	~~9:54~~ 8:54	9.7 8.2	9.0	37	5.1	

Profile No. ____ Notes Red. M.J. Plotted ____ Job No. [illegible]
X-Sec. No. ____ Date 12-29-48 Date ____ Survey of Beach Erosion
Notes Chkd ____ Checked ____ Survey by [illegible]
No. ____ Date ____ Date ____ Map No. ____

Bottom
313+00 (N)

Profile

Notes Red. SM.CJ. Plotted
Date 12-29-48 Date
Notes Chkd. Checked
Date Date

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10:19~~	9.8 7.9	8.5	38	4.7	Range Line 315+00(N)
2	Y	9:19	11.2 8.9	9.7	38	5.9	
3	B		11.0 9.8	10.2	38	6.4	
4	Y		12.7 10.9	11.5	38	7.7	
5	B		14.5 13.1	13.6	38	9.8	
6	R	~~10:27~~	14.5 14.1	14.3	39	10.4	
7	Y	9:27	17.9 15.2	16.1	39	12.2	
8	B		17.3 16.3	16.6	39	12.7	
9	Y		18.0 17.8	17.7	39	13.8	
10	B		19.2 18.5	18.7	39	14.8	
11	R	~~10:31~~	21.8 19.6	20.3	39	16.4	
12	Y	9:31	22.1 20.8	21.2	39	17.8	
13	B		22.3 21.3	21.6	39	17.7	
14	Y		23.9 21.9	22.4	39	18.5	
15	B		25.0 23.6	24.0	39	20.1	
16	R	~~10:39~~	26.2 24.3	25.2	40	21.2	
17	Y	9:39	[illegible]	[illegible]	40	[illegible]	
18	B		[illegible]	[illegible]	40	[illegible]	
19	Y		[illegible]	[illegible]	40	[illegible]	
20	[illegible]		[illegible]	[illegible]	40	[illegible]	

Boat 315+00 (N)