1501.

6-250

NO

BLANKS OR

TITLESHEETS

F.B. 1500 Pg. 1

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of
W. O.
Surveyed by
Notes
Indexed

HYDROGRAPHIC SURVEY
FOR
BEACH EROSION STUDY
~1948~
Cont'd From F.B. 1500-248.

From Sta. 2+00(N) (El Segundo Area)
Thru " 156+00(S) (Playa Del Rey Area)
J.N. 8412 Oct. 20 - Nov. 10, 1948

Shore Work
2 Profiles by:-
L.A. City
See F.B. 21413
for lines 2+00(N)
thru 88+00(N)
Pages 7-39
Oct. 20 - Oct. 28, '48

Also F.B. 21415
for lines 90+00(N)
thru 156+00(N)
Pages 2-39, incl.

Offshore Profiles by:
Meinecke
Moore
Mitchell
Hoinsky
Raphael
McBroom
Olivas
Monrey

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. 150 / Pg. 2

Notes Ck'd by	Survey of
Map No.	W. O. Tape No. Grid
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed

F. B. 1501 Pg. 3

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 SM 11-46

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. 41

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	
2 "S-1"	1	R	8:43	90° 00'	RANGE LINE ∠ = 90°	
+00 or	2	Y		89° 55'		
(N) 0+00 (N-3)	3	W		89° 55'		
	4	Y		90° 00'		
	5	W		89° 45'		
	6	R	8:55	90° 00'		
	7	Y		89° 50'		
	8	W		89° 55'		
	9	Y		90° 05'		
	10	W		90° 05'		
	11	R	9:02	90° 15'		
	12	Y		90° 15'		
	13	W		90° 30'		
	14	Y		90° 30'		
	15	W		90° 05'		
	16	R	9:10	90° 25'		
	17	Y		89° 40'		

Range 2+00 (N)

Profile Notes Red ____ Plotted M.U.M.H. Job No. 842 Division No. ____ F.B. 150 Pg. 6
No. ____ Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by [illegible] H.H.R. Date 10-20-48
No. ____ Date ____ Date ____ Map No. ____ Checked Johnson Date 11-16-48

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	
4	"S-1"	1	R	9:25	90° 05'	RANGE LINE ∡ = 90°	
+00	or	2	Y		90° 15'		
(N)	0+00 (N+S)	3	W		90° 00'		
		4	Y		90° 20'		
		5	W		90° 20'		
		6	R	9:35	90° 25'		
		7	Y		90° 15'		
		8	W		90° 05'		
		9	Y		90° 30'		
		10	W		90° 10'		
		11	R	9:41	90° 30'		
		12	Y		90° 10'		
		13	W		90° 15'		
		14	Y		90° 20'		
		15	W		90° 05'		
		16	R	9:45	90° 00'		

Range 4+00 (N)

F.B. 101 PG. 6 Job No. 844 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Meineck Notes HHR 10-20-48 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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
6+00(S)	S-1	1	R	8:44	111° 05'	Range Line 2+00 (N.)	
		2	Y		112 25		
		3	W		113 20		
		4	Y		115 35		
		5	W		117 15		
		6	R	8:55	120 40		
		7	Y		122 45		
		8	W		125 55		
		9	Y		128 20		
		10	W		130 20		
		11	R	9:03	132 40		
		12	Y		135 15		
		13	W		139 35		
		14	Y		140 30		
		15	W		143 10		
		16	R	9:10	146 00		
		17	Y		148 50		
		18	W				

Cut-in

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 250/Pg. 7
X-Sec. No. ____ Date ____ Date 12-[illegible]-48 Survey of Beach Erosion
Notes Chkd ____ Checked ____ Survey by [illegible] Date 10-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Andrew Johnson 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	
6+00 (S)	S-1	1	R	9:25	118 15	Range Line 4+00 (N)	
		2	Y		121 05		
		3	W		122 35		
		4	Y		126 10		
		5	W		130 15		
		6	R	9:35	132 05		
		7	Y		132 55		
		8	W		135 05		
		9	Y		138 00		
		10	W		140 00		
		11	R	9:41	142 00		
		12	Y		144 40		
		13	W		146 40		
		14	Y		149 05		
		15	W		150 55		
		16	R	9:46	153 05		

Curve 4+00 (N)

F.B. 1501 Pg. 8

Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach Erosion Date 12-48 No. X-Sec.

Survey by Kleineck Notes 8/0 10-20-48 Notes Chkd. Checked

Indexed A. O. 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 #	Color	B.S. Time	H.F. Meas. Depth	F.S. Bottom	ELEV. Tide	Adj. Depth	Remarks
			308				
1	R	~~8:44~~	303	305	50	25.5	Range Line 2+00
		7:44	300				
2	Y		297	298	50	24.8	
			294				
3	W		290	291	50	24.1	
			289				
4	Y		287	286	51	23.7	
			279				
5	W		277	278	51	22.7	
			274				
6	R	~~8:56~~	265	268	52	21.6	
		8:56	263				
7	Y		257	259	52	20.7	
			247				
8	W		238	241	52	18.9	
			232				
9	Y		228	229	52	17.7	
			215				
10	W		210	212	52	16.0	
			195				
11	R	~~9:03~~	191	192	53	13.9	
		8:03	177				
12	Y		174	175	53	12.2	
			142				
13	W		138	139	54	8.5	
			131				
14	Y		128	129	54	7.5	
			110				
15	W		105	107	54	5.3	
			97				
16	R	~~9:11~~	84	85	54	3.1	
		8:11	74				
17	Y		66	69	54	1.5	
18	W						
19	Y						
20	W						

Profile Notes Roll No. 7X Plotted H.U.M.H. Job No. 1447 Division No. ____
No. ____ Date 1-22-48 Date 12-[illegible]-48 Survey of Beach Erosion
Field Chief ____ Checked ____ Survey ____ Date ____
No. ____ Date ____ Map No. ____ Indexed J. Jackson Date ____

F.B. 46 Pg. 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.

F.B. 10/PG. 10 Job No. 8412 Division No. ____ Notes Red. TM.C. Plotted H.U.M.H. Profile
Survey of Marina Entrance Date 11-22-48 Date 12-7-48 No. ____ X-Sec.
Survey by Maurer Notes One Boat in hole Notes Chkd. ____ Checked ____ No. ____
Indexed C. Johnson Date ____ Date ____ Date ____

STATION #	Color	B.S. Time	Meas. Depth	F.S. Botom	Ht. Tide	Adj. Depth		Remarks
1	R	~~8:26~~	304					
			300	301	56	24.5	Range line	4+00 (N)
2	Y	8:26	297					
			294	295	56	23.9		
3	W		288					
			285	286	56	23.0		
4	Y		275					
			270	272	56	21.6		
5	W		263					
			260	261	56	20.5		
6	R	~~8:36~~	252					
			245	247	57	19.0		
7	Y	8:36	242					
			232	235	57	17.8		
8	W		223					
			215	218	57	16.1		
9	Y		184					
			190	191	57	13.4		
10	W		179					
			175	174	57	11.7		
11	R	~~8:42~~	157					
			155	156	57	9.9		
12	Y	8:42	145					
			139	141	57	8.4		
13	W		116					
			114	115	57	5.8		
14	Y		97					
			90	92	57	3.5	End of Old Groin	
15	W		76					
			74	75	57	1.8		
16	R	~~8:46~~	63					
				64	57	0.7	Boat 4+00 (N)	
17		8:46						
18								
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 this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At " On	#	Color	Time	Hor. Ang.	Remarks	
6 S-1"	1	R	9:06	89°55'	RANGE LINE ∡	= 90°
+00	2	Y		89°50'		
(N)	3	W		90°05'		
	4	Y		90°30'		
	5	W		89°35'		
	6	R	9:16	90°00'		
	7	Y		89°45'		
	8	W		90°00'		
	9	Y		89°30'		
	10	W		90°05'		
	11	R	9:22	89°25'		
	12	Y		89°50'		
	13	W		89°05'		
	14	Y		90°05'		
	15	W		89°35'		
	16	R	9:27	90°00'		

℄ OF GROIN

Range 6+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 847 Division No. ____ F.B. 461 Pg. 11

X-Sec. No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Survey by Howard Notes HAR Date 10-19-48 Map No. ____ Indexed P. Jones Date ____

F.B. 150 / Pg. 12

Job No. _____ Division No. _____ Notes Red. _____ Plotted H.U.M.H. Profile

Survey of _____ Date _____ Date 12- -48 No. _____

Survey by _____ Notes _____ 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

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	#	Color	Time	Hor. Ang.	

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	
0+00	S-1	1	R	9:04	107 30'	Range Line 6+00 (N) ℄ of Groin	
		2	Y		108 45		
		3	W		110 00		
		4	Y		112 30		
		5	W		113 20		
		6	R	9:14	115 50		
		7	Y		117 00		
		8	W		119 10		
		9	Y		120 45		
		10	W		122 10		
		11	R	9:20	123 25		
		12	Y		125 20		
		13	W		126 05		
		14	Y		127 05		
		15	W		128 10		
		16	R	9:25	129 05		

Cut-in
~~Grade~~
(℄ of L.A. City Groin)

Profile Notes Red. Plotted H. U. M. H. Job No. 8412 Division No.
No. Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Kleinack Notes Date 10-19-48
No. Date Date Map No. Indexed Jenkins Date

F.B. 150/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.

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

Profile
Plotted H. U. M. H.
Date 12 - 48
No.
X-Sec.
Checked
Date
No.
Notes Red
Date
Notes Chkd
Date
Division No.
Job No.
Survey of
Survey by
Notes
Date
Indexed
F.B. 160 PG. 14

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	Time	B. S.	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:05~~		30.3	301	55	24.6	Range Line 6+00 (N)
2	Y	8:05		29.0	289	55	23.4	℄ of Groin
3	W			28.0	282	55	22.7	
4	Y			27.0	273	55	21.8	
5	W			26.6	269	55	21.3	
6	R	~~8:15~~		26.3	256	56	20.0	
7	Y	8:15		24.7	242	56	18.6	
8	W			23.0	22	56	16.6	
9	Y			21.8	202	56	14.6	
10	W			20.5	188	56	13.2	
11	R	~~8:27~~		19.5	166	57	10.9	
12	Y	8:21		17.8	140	57	8.3	
13	W			13.8	123	57	6.6	
14	Y			13.0	104	57	4.7	
15	W			12.0	84	57	outside 2.7	
16	R	~~8:26~~ 8:26		10.7	44	57	End of + 1.3 Groin	(on Rocks)

Profile
No. ____ Date ____ Notes Red ____ Plotted M.U.M.H. Job No. 8472 Division No. ____
X-Sec. ____ Notes Chkd. ____ Date 12-1-48 Checked ____ Survey at Pacific Palisades Beach
Survey by ____ Date 10-1-48
No. ____ Date ____ Map No. ____ Date ____

Sod ℄ (N) 6+00 Groin

F.B. 5/Pg. 15

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

F.B. 501 PG. 16

Job No. ____ Division No. ____ Notes Red. ____ Plotted ____ H.U.M.H. Profile

Survey of ____ Date ____ Date 12-48 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	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At " On	#	Color	Time	Hor. Ang.	Remarks	
5 S-1"	1	R	9:32	89°30'	RANGE LINE ∡ = 90°	
+75	2	Y		89°50'		
(N)	3	W		89°20'		
	4	Y		90°05'		
	5	W		90°00'		
	6	R	9:39	89°45'		
	7	Y		90°20'		
	8	W		90°10'		

25' South of ℄ of L.A. City Grain

Range 5+75 (N)
(S. Side L.A. City Grain)

Profile Notes Red. ____ Plotted M.U.M. Job No. 8447 Division No. ____
No. ____ Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Hlawacek Notes H.H.R. Date 10-19-48
No. ____ Date ____ Date ____ Map No. ____ Indexed J. Johnson Date ____

F.B. 1501 Pg. 17

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	
6	"S-1"	1	R	9:53	89° 50'	RANGE LINE ∡ = 90°	
+25		2	Y		90° 00'		
(N)		3	W		90° 10'		
		4	Y		91° 00'		
		5	W		90° 15'		
		6	R	9:58	90° 30'		
		7	Y		90° 30'		

25' North of ℄ of L.A. City Grain

Range 6+25(N)

F.B. 150 Pg. 18 Job No. 8417 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 12-48 No. X-Sec.
Survey by Meineck Notes H HR-10-19-48 Notes Chkd. Checked No.
Index A. G. 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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
0+00	S-1	1	R	9:30	125° 45'	Range Line 5+75 (N) (25' South of	
(N+S)		2	Y		127 40	℄ of L.A. City Grain	
		3	W		128 35		
		4	Y		131 10		
		5	W		133 30		
		6	R	9:37	135 00		
		7	Y		137 45		
		8	W		140 45		

Cut-in
5+75 (N)
(S. Side of L.A. City Grain)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd ____ Date 12-_-48 Survey of Beach Erosion
Checked ____ Date ____ Survey by Kleinock Notes ____ Date 8-19-48
Map No. ____ Indexed ____ Date ____

F.B. 1601 Pg. 19

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	
0+00 S-1	1	R	9:50	128° 25'	Range Line 6+25 (N) (25' North of	
(N+S)	2	Y		130 00	L.A. City Groin)	
	3	W		131 20		
	4	Y		133 20		
	5	W		134 30		
	6	R	9:56	136 10		
	7	Y		137 50		

Cut-in
6+25 (N)
(N. Side of L.A. City Groin)

F.B. 660 Pg. 20
Job No. 8412 Division No. ____ Notes Red. ____ Plotted H. U. M. H. Profile
Survey of Beach Erosion Date ____ Date 12-48 No. ____
Survey by Kleineck Notes W.O. 11-19-48 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~9:31~~	13.3 12.0	124	57	6.7	Sta 5+75 (N) S side of
2	Y	8:31	8.5 8.0	82	57	2.5	Rock & Sand. groin
3	W		11.5 10.9	111	57	5.4	
4	Y		9.0 7.5	80	57	2.3	
5	W		8.3 7.0	74	57	1.7	
6	R	~~9:38~~	7.3 6.5	68	57	1.1	
7	Y	8:38	6.0 5.2	55	57	+0.2	Rock & Sand.
8	W		5.3 4.6	48	57	+0.9	Sand.
~~9~~	~~Y~~						
	~~W~~						
	~~R~~						

Boat
5+75 (N)
(S. side of L.A.C. Groin)

Profile
No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8426 Division No. ____
X-Sec. Date 12-[illegible]-48 Survey of Beach Erosion 19 [illegible]
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Date 5th Date 10th [illegible]
Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 501 PG. 21

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	~~9:51~~ 8:51	14.5 / 12.5	131 ✓	58	7.3	Range Line [redacted] (N) N side of groin
2	Y		9.0 / 8.2	85 ✓	58	2.7	Rock + sand
3	W		10.2 / 9.2	95 ✓	58	3.7	
4	Y		8.0 / 6.2	68 ✓	58	1.0	" "
5	W		7.4 / 6.8	70 ✓	58	1.2	" "
6	R	~~9:57~~ 8:57	6.0 / 4.9	53 ✓	58	+0.5	" "
7	Y		5.0 / 3.9	43 ✓	58	+1.5	" "
8	W						
9	Y						
10	W						

Boat 6+25 (N) (N. Side of L.A.C. Groin)

F.B. 150 Pg. 22
Job No. 8412 Division No. 19-48 Notes Red. Plotted H.U.M.H. Date 12-48 No. Profile
Survey of Beach Erosion Date X-Sec.
Survey by Meinecke Notes S.H. 19/12/48 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		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
8	6	1	R	9:58	92°10'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		88°45'		
(N)	(N)	3	W		90°05'		
		4	Y		90°20'		
		5	W		89°45'		
		6	R	10:05	90°35'		
		7	Y		88°45'		
		8	W		89°20'		
		9	Y		90°25'		
		10	W		89°15'		
		11	R	10:12	89°45'		
		12	Y		90°25'		
		13	W		88°35'		
		14	Y		89°40'		
		15	W		89°45'		
		16	R	10:22	89°40'		
		17	Y		89°40'		
		18	W		90°05'		
		19	Y		89°35'		
		20	W		89°20'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range 8+00 (N)

Profile No. ____ Notes Red ____ Plotted M. U. M. H. Job No. 8412 Division No. ____ F.B. 1/50 Pg. 23

X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by [illegible] HHR Date 10-20-48

No. ____ Date ____ Date ____ Map No. ____ Indexed J. Johnson 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	
10	6	1	R	10:44	89° 30'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 20'		
(N)	(N)	3	W		90° 20'		
		4	Y		90° 15'		
		5	W		89° 55'		
		6	R	10:57	90° 20'		
		7	Y		90° 40'		
		8	W		90° 35'		
		9	Y		90° 35'		
		10	W		89° 15'		
		11	R	11:04	90° 35'		
		12	Y		90° 35'		
		13	W		88° 30'		
		14	Y		91° 00'		
		15	W		90° 30'		
		16	R	11:09	92° 05'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range 10+00(N)

F.B. 1/6 PG. 24

Job No. 842 Division No. ____ Notes Red. ____ Plotted H. U. M. H. Profile

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

Survey by Hancock Notes HHR 10-20-48 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. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
2+00 (N)	0+00 (N+S)	1	R	9:58	136°20'	Range Line 8+00 (N.)	
		2	Y		135 00	Note: Going out	
		3	W		130 20		
		4	Y		132 20	o.k.	
		5	W		128 55		
		6	R	10:05	131 30	o.k.	
		7	Y		128 15		
		8	W		127 05		
		9	Y		124 55		
		10	W		122 40		
		11	R	10:12	121 00		
		12	Y		120 30		
		13	W		118 45		
		14	Y		118 00		
		15	W		116 30		
		16	R	10:23	115 20		
		17	Y		113 55		
		18	W		112 30		
		19	Y		110 15		
		20	W		109 05		

Cut-in
8+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8418 Division No. ____
X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 10-20-48
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 001/Pg. 25

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	
2+00(N)	0+00 (N+S)	1	R	10 44	111° 40'	Range Line 10+00 (N.)	
		2	Y		112 50		
		3	W		114 40		
		4	Y		117 30		
		5	W		123 20		
		6	R	10:57	125 05		
		7	Y		127 40		
		8	W		129 25		
		9	Y		130 50		
		10	W		132 05		
		11	R	11:03	134 20		
		12	Y		136 05		
		13.	W		137 50		
		14	Y		139 45		
		15	W		141 20		
		16	R	11:09	143 45		

Cut-in 10+00(N)

F.B. 150 Pg. 26 Job No. 8412 Division No. Notes Red Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-20-48 No.
Survey by Kleineck Notes G.O. 20-48 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.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	R	~~9:58~~ 8:58	57 53	54	58	+0.4	Range Line 8+00 (05)
2	Y		62 58	59	58	0.1	Boat Going Out
3	W		78 70	73	58	1.5	
4	Y		86 80	82	58	2.4	
5	W		128 116	120	58	6.2	
6	R	~~10:05~~ 9:05	108 100	103	58	4.5	Backing Up
7	Y		130 124	126	58	6.8	
8	W		147 142	144	58	8.6	
9	Y		173 162	166	58	10.8	
10	W		192 185	187	58	12.9	
11	R	~~10:12~~ 9:12	208 198	201	58	14.3	
12	Y		224 214	217	58	15.9	
13	W		238 228	231	58	17.3	
14	Y		251 240	244	58	18.6	
15	W		263 248	253	58	18.5	
16	R	~~10:25~~ 9:23	272 262	265	58	20.7	
17	Y		280 268	272	58	21.4	
18	W		290 280	283	58	22.5	
19	Y		300 290	293	58	23.5	
20	W		321 308	312	58	25.4	

Boat 8+00 (05)

Profile No. ___ Notes Red. M.U.M.H. Plotted M.U.M.H. Job No. 8412 Division No. ___ F.B. 150 Pg. 27
X-Sec. No. ___ Date 11-22-48 Date 12-[illegible]-48 Survey of Beach Erosion
Notes Chkd. ___ Checked ___ Survey by [illegible] 10-20-48
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 #	Color	B. S. Time	Meas. Depth	F. S. Botom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10:45~~ 9:45	312 301 303	305	57	24.8	Range Line 10+00 (N)
2	Y		293 300	296	57	23.9	
3	W		283 285	289	57	23.2	
4	Y		270 262	275	57	21.8	
5	W		250 250	254	57	19.7	
6	R	~~10:58~~ 9:58	237 232	241	57	18.4	
7	Y		225 220	227	57	17.0	
8	W		207 203	211	57	15.4	
9	Y		192 188	196	57	13.9	
10	W		174 167	179	57	12.2	
11	R	~~11:05~~ 10:05	155 150	159	56	10.3	
12	Y		135 127	140	56	8.4	
13	W		110 103	116	56	6.0	
14	Y		97 87	99	56	4.3	
15	W		77 70	80	56	2.4	
16	R	~~11:09~~ 10:09	50	57	56	0.1	Boat 10+00 (N)
17							
18							
19							
20							

F.B. 1801 Pg. 28

Job No. 8442 Division No. ____ Notes Red. M.J.K. Plotted H.U.M.H. Profile

Survey of Beach Erosion Date 11-22-48 Date 12-48 No. ____

Survey by Maurice Notes McBroom-10/20/48 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
12	6	1	R	11:17	89° 05'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		91° 10'		
(N)	(N)	3	W		90° 00'		
		4	Y		89° 55'		
		5	W		90° 05'		
		6	R	11:22	90° 40'		
		7	Y		89° 40'		
		8	W		89° 30'		
		9	Y		88° 30'		
		10	W		90° 40'		
		11	R	11:28	89° 15'		
		12	Y		89° 45'		
		13	W		89° 45'		
		14	Y		90° 15'		
		15	W		90° 10'		
		16	R	11:37	90° 35'		
		17	Y		90° 15'		
		18	W		89° 40'		
		19	Y		89° 55'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range 12+00(N)

Profile No. ____ Notes Red ____ Plotted M.W.M.M. Job No. 842 Division No. ____ F.B. 66 Pg. 29

X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by Ranger Notes HHR Date 10-20-48

No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson 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	
14	6	1	R	7:~~18~~ 22	88° 20'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		89° 35'		
(N)	(N)	3	W		90° 25'		
		4	Y		90° 05'		
		5	W		90° 05'		
		6	R	7:~~30~~ 34	89° 55'		
		7	Y		90° 35'		
		8	W		90° 05'		
		9	Y		90° 05'		
		10	W		89° 45'		
		11	R	7:~~39~~ 43	89° 50'		
		12	Y		90° 15'		
		13	W		89° 20'		
		14	Y		90° 35'		
		15	W		90° 35'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range 14+00 (N)

F.B. 1501 Pg. 30 Job No. 842 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Maneck Notes HHR 10-21-48 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. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
2+00(N)	0+00	1	R	11:17	149° 05'	Range Line 12+00 (N)	
	(N+S)	2	Y		149 25	Note: Going out	
		3	W		146 40		
		4	Y		144 30		
		5	W		144 25		
		6	R	11:22	143 25		
		7	Y		142 40		
		8	W		141 35		
		9	Y		140 00		
		10	W		138 00		
		11	R	11:28	136 10		
		12	Y		134 50		
		13	W		133 20		
		14	Y		132 15		
		15	W		128 35		
		16	R	11:37	126 05		
		17	Y		124 10		
		18	W		121 20		
		19	Y		116 15		

Cut in 12+00(N)

Profile Notes Red ____ Plotted M.U.M.H. Job No. 8412 Division No. ____ F.B. 650/Pg. 31
No. ____ Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-30-48
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson 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	
8+00	6+00	1	R	722	105° 10'	Range Line 14+00 (N)	
		2	Y		109 15		
		3	W		113 35		
		4	Y		119 25		
		5	W		129 40		
	"	6	R	735	137 40		
	"	7	Y		134 30		
		8	W		139 50		
		9	Y		146 20		
	"	10	W		144 05	ok	
		11	R	743	150 15		
		12	Y		152 40		
	"	13	W		154 30		
		14	Y		156 20		
	"	15	W		158 55		
		16	R				
	"	17	Y				
		18	W				

On 400' Offset line to left
Cut-in 14+00 (N) 4+00-OUT

F.B. 150 PG. 32 Job No. 842 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Mauser Notes Jtoo 10/21/48 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

FORM 2187 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. Tide	Adj. Depth	Remarks
1	R	~~H-18~~	75 50	58	55	0.3	
2	Y	10:18	75 60	65	55	1.0	Range line 12+00 (N)
3	W		97 80	86	55	3.1	Boat going out
4	Y		122 107	112	55	5.7	
5	W		132 110	117	55	6.2	
6	R	~~H-22~~	145 123	130	55	7.5	
7	Y	10.22	147 134	138	54	8.4	
8	W		159 147	151	54	9.7	
9	Y		172 162	165	54	11.1	
10	W		201 185	190	54	13.6	
11	R	~~H-28~~	213 201	205	54	15.1	
12	Y	10:28	223 210	214	54	16.0	
13	W		235 220	225	54	17.1	
14	Y		242 230	234	54	18.0	
15	W		258 240	251	54	19.7	
16	R	~~H-38~~	275 265	268	53	21.5	
17	Y	10:38	278 268	271	53	21.8	
18	W		285 277	280	53	22.7	
19	Y		303 297	299	53	24.6	

Profile Notes Red ink Plotted M.U.M.H. Job No. Division No.
No. Date 11-22-48 Date 12-
Mass. Mass. Chief Survey of Bonds Survey by
No. Date Date Map No. Traced Johnson Date
12+00(N)
Boat
F.B. 5/Pg. 55

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. 66 PG. 34 Profile

Job No. 8442 Division No. Notes Red M.J. Plotted H.U.M.H. X-Sec. No.

Survey of Beach Erosion Date 10-21-48 Notes Chkd. Date 11-22-48 Date 12-48 Checked Date No.

Survey by Stewart Notes G.P. Date Date

Indexed A. C. Johnson

STATION #	Color	B. S. Time	Meas. Depth	F. S. Botom	ELEV. Ft. Tide	Adj. Depth	Remarks
		7:24					
1	R	~~7:24~~	30.5	295	37	25.8	Range Line 14+00 (N).
2	Y	~~7:24~~	29.0	283	37	24.6	
3	W		29.2	275	37	23.8	
4	Y		27.8	253	38	21.5	
5	W		28.4	223	38	18.5	
6	R	~~7:37~~	27.0	195	39	15.6	
7	Y	6:37	25.8	205	39	16.6	
8	W		25.5	182	39	14.3	
9	Y		20.0	145	40	10.5	
10	W		19.0	154	40	11.4	
11	R	~~7:45~~	17.8	123	41	8.2	
12	Y	6:45	16.3	108	41	6.7	
13	W		15.0	95	41	5.4	
14	Y		13.0	75	41	3.4	
15	W		12.0	61	41	2.0	
			11.5				
			10.5				
			10.4				
			9.0				
			8.5				
			7.0				
			6.5				
			5.5				

Boat 14+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	
16	6	1	R	7:~~49~~	90° 25'	RANGE LINE ∡ = 90°	
+00	+00	2	Y	53	89° 20'		
(N)	(N)	3	W		89° 35'		
		4	Y		90° 00'		
		5	W		90° 00'		
		6	R	7:~~53~~	90° 10'		
		7	Y	57	90° 25'		
		8	W		89° 45'		
		9	Y		90° 40'		
		10	W		90° 25'		
		11	R	~~7:58~~	90° 15'		
		12	Y	8:02	90° 00'		
		13	W		90° 20'		
		14	Y		90° 35'		
		15	W		90° 05'		
		16	R	8:~~05~~	90° 00'		
		17	Y	09	89° 55'		
		18	W		90° 15'		
		19	Y		90° 30'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range 16+00(N)

Profile No. ____ Notes Red ____ Plotted M.U.M.H. Job No. 94126 Division No. ____ F.B. 1/5/ Pg. 35

X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion

Notes Chkd ____ Checked ____ Survey by [illegible] Notes HAR Date 10-21-48

No. ____ Date ____ Date ____ Map No. ____ Indexed Jones 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	
18	6	1	R	8:~~23~~ 27	89° 45'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		89° 45'		
(N)	(N)	3	W		89° 30'		
		4	Y		90° 00'		
		5	W		90° 00'		
		6	R	8:~~35~~ 39	90° 30'		
		7	Y		90° 30'		
		8	W		90° 20'		
		9	Y		90° 15'		
		10	W		90° 20'		
		11	R	8:~~43~~ 47	89° 30'		
		12	Y		89° 50'		
		13	W		90° 45'		
		14	Y		90° 20'		
		15	W		90° 25'		
		16	R	8:~~48~~ 57	89° 00'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range 18+00 (N)

F.B. 156/PG. 36

Job No. 8412 Division No. Notes Red. Plotted U.M.H. Profile

Survey of Beach Erosion Date 12-48 No.

Survey by Meineck Notes HHR 10-21-48 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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
8+00	6+00	1	R	7 53	165° 30	Range Line 16+00(N) Going Out	
		2	Y		164 30		
		3	W		162 30		
	"	4	Y		160 30		
		5	W		159 30		
	"	6	R	7 58	158 15		
		7	Y		157 50		
	"	8	W		156 00		
		9	Y		154 45		
	4+00-OUT	10	W		151 40		
	"	11	R	8 02	148 30		
		12	Y		145 20		
		13	W		141 35		
	"	14	Y		137 55		
		15	W		135 05		
	"	16	R	8 09	129 20		
		17	Y		123 20		
		18	W		118 35		
		19	Y		114 05		

On 400' Offset line to left.

Cut-in 16+00(N)

Profile Notes Red. Plotted M. U. M. M. Job No. 8426 Division No.
No. Date Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by [illegible] Date 10/21/48
No. Date Date Map No. Indexed [illegible] Date

F.B. 150 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		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
8+00	6+00	1	R	8 27	118°25	Range Line 18+00 (N)	
		2	Y		122 30		
		3	W		126 05		
		4	Y		131 00		
		5	W		138 05		
		6	R	8 40	141 30		
		7	Y		146 55		
		8	W		151 00		
		9	Y		154 50		
		10	W		157 40		
		11	R	8 47	159 1[illegible]		
		12	Y		161 10		
		13	W		163 15		
		14	Y		164 20		
		15	W		165 50		
		16	R	8 57	168 40		
		17	Y				
		18	W				

On 400' Offset line to left.
Cut-in 18+00 (N)
" " " " 4+00-OUT

F.B. 460 PG. 38
Job No. 842 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 12-48 No. X-Sec.
Survey by Merrick Notes Item 10/21/48 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:55~~ 6:55	6.5 5.1	56	42	1.4	Range Line 16+00 (N)
2	Y		7.5 6.5	68	42	2.6	
3	W		8.4 7.0	75	42	3.3	Note: Going out
4	Y		9.8 8.8	91	42	4.9	
5	W		11.2 10.0	104	42	6.2	
6	R	~~8:00~~ 7:00	12.3 11.5	121	43	7.8	
7	Y		13.0 11.9	123	43	8.0	
8	W		14.3 12.8	133	43	9.0	
9	Y		15.4 14.3	147	43	10.4	
10	W		16.8 15.8	161	43	[illegible]	
11.	R	~~8:05~~ 7:05	18.7 17.5	179	44	[illegible]	
12	Y		19.9 18.8	192	44	[illegible]	
13	W		22.3 20.0	208	44	16.4	
14	Y		23.6 22.0	225	44	18.1	
15	W		24.8 23.4	239	44	19.5	
16	R	~~8:12~~ 7:12	26.4 25.0	255	45	21.0	
17	Y		27.6 26.9	265	45	22.0	
18	W		29.3 28.0	284	45	23.9	
19	Y		30.4 29.0	295	45	25.0	
20	W						

Boat.

Profile No. ____ Notes Red ZM X Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 460 Pg. 39

X-Sec. No. ____ Date 11-22-48 Date 12-[illegible]-48 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 10-21-48

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.

Profile | X-Sec. | No. | No.

Plotted H.U.M.H. Date 12-48 | Checked | Date

Notes Red M.J. Date 11-22-48 | Notes Chkd. | Date

Division No. 8412 | Job No. | Notes Ho. 10-21-48 | Date

Survey of Beach Erosion | Notes | Date

Survey by Kleinecke | Notes | Date

Indexed C. Jensen

F.B. 15 / PG. 40

STATION		B. S.	Meas. Depth	F. S.	EL. Ft.		
	Color	Time		Botom	Tide	Adj. Depth	Remarks
1	R	~~8:30~~	31.7	306	47	25.9	Range Line 18+00 (N)
		7:30	30.0				
2	Y		30.0	290	47	24.3	
			28.5				
3	W		28.2	273	47	22.6	
			26.8				
4	Y		26.9	258	47	21.1	
			25.2				
5	W		25.2	245	47	19.8	
			24.1				
6	R	~~8:42~~	24.2	237	48	18.9	
			23.5				
7	Y	7:42	22.8	217	48	16.9	
			21.2				
8	W		20.8	201	48	15.3	
			19.8				
9	Y		19.7	186	48	13.8	
			18.0				
10	W		17.8	169	48	12.1	
			16.4				
11	R	~~8:49~~	16.4	155	49	10.6	
			15.0				
12	Y	7:49	14.4	139	49	9.0	
			13.6				
13	W		13.0	122	49	7.3	
			11.8				
14	Y		10.5	100	49	5.1	
			9.7				
15	W		7.0	82	49	3.3	
			7.3				
16	R	~~8:55~~	5.5	58	50	0.8	Boat 18+00 (N)
		7:55	5.8				

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	
20	6	1	R	~~8:58~~ 9:02	90° 45'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 00'		
(N)	(N)	3	W		89° 45'		
		4	Y		90° 20'		
		5	W		89° 45'		
		6	R	9:~~04~~ 08	90° 20'		
		7	Y		90° 55'		
		8	W		90° 15'		
		9	Y		89° 40'		
		10	W		90° 00'		
		11	R	9:~~09~~ 13	90° 30'		
		12	Y		90° 00'		
		13	W		90° 45'		
		14	Y		90° 30'		
		15	W		90° 30'		
		16	R	9:~~17~~ 21	90° 20'		
		17	Y		90° 50'		
		18	W		90° 35'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range

Profile No. ___ Notes Red ___ Plotted H. U. M. H. Job No. 8442 Division No. ___ F.B. 40 PG. 41

Sec. No. ___ Date ___ Date 12-48 Survey of Beach Erosion

Notes Chkd. ___ Checked ___ Survey by [illegible] Date 10-21-48

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

F.B. 1/3 / Pg. 42 | Job No. 8412 | Division No. | Notes Red. | Plotted H. U. M. H. | Profile

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

Survey by Meineck | Notes HHR 10-21-49 | Notes Chkd. | Checked | X-Sec.

Indexed by C. Johnson | Date | Date | Date | No.

Range 22+00 (N)

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At 22+00 (N)	On 6 +00 (N)	#	Color	Time	Hor. Ang.	Remarks
		1	R	9:32 36	89° 55'	RANGE LINE 4 = 90°
		2	Y		90° 00'	
		3	W		89° 50'	
		4	Y		90° 00'	
		5	W		90° 15'	
		6	R	9:48 52	89° 45'	
		7	Y		90° 15'	
		8	W		90° 25'	
		9	Y		90° 50'	
		10	W		90° 20'	
		11	R	9:53 57	90° 15'	
		12	Y		90° 35'	
		13	W		90° 35'	
		14	Y		89° 35'	
		15	W		90° 00'	

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.

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	
14+00	6+00	1	R	9 02	161°45	Range Line 20+00 (N) Going Out	
		2	Y		160 30		
		3	W		158 45		
	"	4	Y		156 15		
		5	W		153 25		
	"	6	R	9 08	152 40		
		7	Y		152 00		
	"	8	W		150 10		
	"	9	Y		157 45	147°45 (?)	
		10	W		143 20		
	"	11	R	9 13	138 45		
		12	Y		133 05		
		13	W		128 40		
	"	14	Y		122 30		
		15	W		118 30		
	"	16	R	9 21	115 00		
		17	Y		112 15		
		18	W		109 05		

On 400' Offset line to left

4+00-OUT

Cut-in 20+00 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 847 Division No. ____ F.B. 601 Pg. 43
No. ____ Date ____ Date 12-48 Survey of Beach Erosion
X Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10/21/48
No. ____ Date ____ Date ____ Map No. ____ Endorsed 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
14+00	6+00	1	R	9 36	113° 25	Range Line 22+00 (N)
		2	Y		116 35	
		3	W		121 30	
	"	4	Y		127 30	
		5	W		132 55	
	"	6	R	9 52	138 20	
		7	Y		142 55	
	"	8	W		146 50	
		9	Y		149 50	
		10	W		154 45	
	"	11	R	9 57	157 10	
		12	Y		159 15	
		13	W		161 05	
	"	14	Y		163 20	
		15	W		165 50	

On 400' Offset line to left.
Cut-in 22+00 (N)

F.B. 501 Pg. 44
Job No. 842 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Meineck Notes Item 10/21/48 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 No. ____ X-Sec. No. ____ Notes Rd. 30.3 Date 11-22-48 Meter Chkd. ____ Date ____ Plotted M.U.M.M. Date 12-[illegible]-48 Checked ____ Date ____ Job No. 8911 Survey of Beach Erosion Survey by Kinnebrook Division No. ____ Map No. ____ Indexed ____ Date ____ F.B. 46 Pg. 45

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	R	~~9:04~~	6.8	61	51	1.0	Rangeline 20+00 (A)
2	Y	8:05	7.8	72	51	2.1	
3	W		8.3	76	51	2.5	Note: Going out
4	Y		9.7	91	51	4.0	
5	W		11.6	115	51	6.4	
6	R	~~9:10~~	13.3	125	51	7.4	
7	Y	8:10	12.1	131	51	8.0	
8	W		13.8	144	51	9.3	
9	Y		15.0	155	51	10.4	
10	W		16.7	175	51	12.4	
11	R	~~9:16~~	18.4	193	52	14.1	
12	Y	8:16	20.0	214	52	16.2	
13	W		21.3	236	52	18.4	
14	Y		23.4	256	52	20.4	
15	W		25.2	265	53	21.2	
16	R	~~9:23~~	26.5	275	54	22.1	
17	Y	8:33	27.8	289	54	23.5	
18	W		28.4	302	54	24.8	
			29.6				
			29.8				

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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Botom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:38~~	31.0 30.0	303 ✓	54	24.9	Range Line 22+00 (N)
2	Y	8:38	30.0 28.7	291 ✓	54	23.7	
3	W		28.2 27.0	274 ✓	54	22.0	
4	Y		26.7 26.0	262 ✓	54	20.8	
5	W		25.0 24.5	247 ✓	54	19.3	
6	R	~~9:54~~	23.7 22.3	228 ✓	55	17.3	
7	Y	8:54	21.5 20.4	208 ✓	55	15.3	
8	W		20.3 19.2	196 ✓	55	14.1	
9	Y		19.2 17.8	183 ✓	55	12.8	
10	W		16.5 15.8	160 ✓	55	10.5	
11	R	~~10:00~~	15.5 14.0	145 ✓	56	8.9	
12	Y	9:00	14.0 12.4	129 ✓	56	7.3	
13	W		12.0 10.6	111 ✓	56	5.5	
14	Y		10.0 8.3	89 ✓	56	3.3	
15	W		8.0 6.5	70 ✓	56	1.4	

Boat 22+00 (N)

F.B. 46 PG. 46 Job No. 8412 Division No. Notes Red M.H. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11-23-48 Date 12-48 No. X-Sec.
Survey by Meinecke Notes 5.0 10/21/48 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		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
26	6	1	R	10:48	90° 25'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 05'		
(N)	(N)	3	W		89° 20'		
		4	Y		89° 40'		
		5	W		90° 10'		
		6	R	11:05	89° 40'		
		7	Y		88° 55'		
		8	W		89° 50'		
		9	Y		90° 05'		
		10	W		89° 50'		
		11	R	11:12	89° 40'		
		12	Y		89° 15'		
		13	W		91° 40'		
		14	Y		90° 00'		
		15	W		89° 00'		
		16	R	11:15	89° 50'		
		17	Y		92° 30'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Profile

F.B. 501 Pg. 48

Job No. 8412 Division No. ____ Notes Red. ____ Plotted H. U. M. H. Date 12-48 No. ____

Survey of Beach Erosion Date ____ Notes Chkd. ____ Checked ____ X-Sec. ____

Survey by Hancock Notes HHR 10-21-48 Date ____ Date ____ No. ____

Indexed A. C. Johnson Date ____

Range 26+60 (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	
24	6	1	R	10:~~09~~ 13	90° 30'	RANGE LINE	∡ = 90°
+00	+00	2	Y		89° 15'		
(N)	(N)	3	W		90° 00'		
		4	Y		89° 25'		
		5	W		90° 00'		
		6	R	10:~~13~~ 17	89° 40'		
		7	Y		89° 05'		
		8	W		89° 50'		
		9	Y		89° 50'		
		10	W		89° 20'		
		11	R	10:~~20~~ 24	89° 10'		
		12	Y		89° 10'		
		13	W		89° 45'		
		14	Y		90° 45'		
		15	W		89° 15'		
		16	R	10:~~33~~ 37	90° 10'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range 24+00(N)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.M. Job No. 8442 Division No. ____ F.B. 601 Pg. 47

X-Sec. No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Survey by Meyer & Johnson Notes HHR Date 10-21-48

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.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
14+00	6+00	1	R	10 12	169° 20'	Range Line 24+00(N) Going Out
		2	Y		167 50	
	"	3	W		166 20	
	"	4	Y		164 35	
	"	5	W		162 20	
	"	6	R	10 16	160 50	
	"	7	Y		157 30	
	"	8	W		155 45	
	"	9	Y		150 20	
	"	10	W		145 55	
	"	11	R	10 24	140 00	
	"	12	Y		136 00	
	"	13	W		130 05	
	"	14	Y		125 20	
	"	15	W		119 15	
	"	16	R	10 37	119 05	

On 400' Offset line to left

4+00 out

Cut-in 24+00(N)

Profile No. ___ Date ___ Notes Red. ___ Plotted H. U. M. M. Date 12-48 Job No. 8442 Division No. ___ Survey of Beach Erosion

X Sec. No. ___ Date ___ Notes Chkd. ___ Checked ___ Survey by [illegible] Date 10/21/48

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

F.B. 150 Pg. 49

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	
14+00	6+00	1	R	10 52	121°45	Range Line	26+00
		2	Y		125 05		
		3	W		128 55		
	"	4	Y		133 35		
	"	5	W		138 05		
	"	6	R	11 09	141 45		
	"	7	Y		145 15		
	"	8	W		148 00		
	"	9	Y		152 30		
	"	10	W		156 35		
	"	11	R	11 16	159 15		
	"	12	Y		160 55		
	"	13	W		163 30		
	"	14	Y		165 40		
	"	15	W		167 15		
	"	16	R	11 20	168 40		
	"	17	Y		170 05		

On 400' Offset line to left
Cut-in
26+00 (N)
4+00 out

F.B. 156 / Pg. 55
Job No. 8422
Division No.
Notes Red.
Date
Plotted H. U. M. H.
Date 12-48
No.
Profile
Survey of Beach Erosion
Survey by Meneck
Notes Jtm 10/21/48
Notes Chkd.
Checked
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 No. 1-Bar. Notes Red 2M X Date 11-23-48 Plotted M.U.M.H. Date 12-1-48 Job No. 8447 Division No. Survey of Beach Erosion Study

Notes Chkd. Date Checked Date Survey By Date Map No. Date

H.B. 46 pg. 7

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:15~~	7.3 / 5.8	63	57	0.6	Range Line 24+00(N)
2	Y	9:15	8.3 / 7.0	74	57	1.7	Note: Going out
3	W		9.3 / 8.3	88	57	3.1	
4	Y		11.8 / 10.0	106	57	4.9	
5	W		14.2 / 12.8	133	57	7.6	
6	R	~~10:18~~	16.0 / 14.3	149	57	9.2	
7	Y	9:18	18.5 / 16.3	168	57	11.1	
8	W		20.0 / 17.8	185	57	12.8	
9	Y		24.4 / 19.9	204	57	14.7	
10	W		22.0 / 21.0	217	57	16.0	
11	R	~~10:26~~	24.8 / 23.0	236	57	17.9	
12	Y	9:26	26.5 / 25.1	256	57	19.9	
13	W		27.3 / 26.3	266	57	20.9	
14	Y		29.5 / 27.5	278	57	22.1	
15	W		30.3 / 29.5	298	57	24.1	
16	R	~~10:40~~ 9:40	31.0 / 30.1	304	57	24.7	

Boat

24+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 IKK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

F.B. 56 /PG. 52

Survey of Beach Survey
Survey by Hilmer K. Notes Taken 10/21/48
Indexed by C. Johnson Date

Job No. 8417 Division No.
Notes Red. M.J. Plotted H.U.M.H.
Date 11-23-48 Date 12-48 No.
Notes Chkd. Checked
Date Date
Profile X-Sec.
No. No.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:55~~	31.6	312 ~~315~~ ✓	57	25.5	Range Line 26+00 (N)
2	Y	9:55	310	301 ✓	57	24.4	
			296				
			290				
3	W		278	282 ✓	57	22.5	
4	Y		274	272 ✓	57	21.5	
			271				
5	W		265	258 ✓	57	20.1	
			255				
			255				
6	R	~~11:11~~	242	245 ✓	57	18.8	
			242				
7	Y	10:11	233	236 ✓	57	17.9	
			233				
8	W		225	228 ✓	57	17.1	
			225				
9	Y		210	215 ✓	57	15.8	
10	W		190	194 ✓	57	13.7	
11	R	~~11:19~~	188	183 ✓	56	12.7	
			180				
12	Y	10:19	165	170 ✓	56	11.4	
			155				
13	W		145	148 ✓	56	9.2	
14	Y		142	130 ✓	56	7.4	
			124				
15	W		105	105 ✓	56	4.9	
16	R	~~11:23~~	90	88 ✓	56	3.2	Boat 26+00 (N)
			75				
17	Y	10:23	67	72 ✓	56	1.6	

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	
28	6	1	R	11:~~23~~ 27	90°15'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90°30'		
(N)	(N)	3	W		89°15'		
		4	Y		89°50'		
		5	W		89°45'		
		6	R	11:~~27~~ 31	90°00'		
		7	Y		89°55'		
		8	W		89°30'		
		9	Y		90°10'		
		10	W		89°00'		
		11	R	11:~~31~~ 34	89°00'		
		12	Y		89°40'		
		13	W		90°15'		
		14	Y		89°40'		
		15	W		89°30'		
		16	R	11:~~37~~ 40	89°20'		
		17	Y		89°40'		
		18	W		90°00'		
		19	Y		90°15'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

Range 28+00 (N)

Profile No. ____ Notes Red. ____ Plotted M. U. M. K. Job No. 8427 Division No. ____ F.B. 1501 Pg. 53

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Notes HHR Date 10-21-48

No. ____ Date ____ Date ____ Map No. ____ Indexed S. Johnson 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	
30	6	1	R	10:30	91° 10'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 35'		
(N)	(N	3	W		90° 50'		
		4	Y		89° 45'		
		5	W		90° 10'		
		6	R	10:35	90° 10'		
		7	Y		89° 00'		
		8	W		90° 10'		
		9	Y		89° 35'		
		10	W		90° 05'		
		11	R	10:41	89° 45'		
		12	Y		89° 50'		
		13	W		90° 05'		
		14	Y		89° 40'		
		15	W		89° 30'		
		16	R	10:49	89° 50'		
		17	Y		90° 00'		
		18	W		90° 00'		
		19	Y		89° 45'		

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

30+00 (N)

Range

F.B. No. 1 Pg. 54 Job No. 8412 Division No. Notes Red. Plotted H. U. M. M. Profile

Survey of Beach Erosion Date 12-48 No.

Survey by Wiemeck Notes HHR 10-22-48 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	
14+00	6+00	1	R	11 27	172° 15	Range Line 28+00 (N)	
		2	Y		172 10		
	"	3	W		171 05		
	"	4	Y		170 40		
	"	5	W		169 55		
	"	6	R	11 31	169 10		
	"	7	Y		168 30		
	"	8	W		167 15		
	"	9	Y		165 30		
	"	10	W		164 20		
	"	11	R	11 35	162 20		
	"	12	Y		160 30		
	"	13	W		158 20		
	"	14	Y		154 30		
	"	15	W		150 35		
		16	R	11 41	145 25		
		17	Y		136 55		
		18	W		131 40		
		19	Y		127 55		

On 400' Offset line to left,

4+00 Out

Cut-in 28+00 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8472 Division No. ____ F.B. 461 Pg. 55

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

X-Sec. Notes Chkd. ____ Checked ____ Survey by Pleasant Jim Date 10/21/48

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.		
Inst. At	Sight On (N)	#	Color	Time	Hor. Ang.	Remarks	
24+00(N)	6+00	1	R	10:30	156°25'	Range Line 30+00(N.)	
"		2	Y		154 45		
"		3	W		153 30		
"	"	4	Y		152 00		
"		5	W		150 00		
"	"	6	R	10:35	147 20		
"		7	Y		145 15		
"		8	W		142 35		
"	"	9	Y		138 45		
"		10	W		133 35		
"	"	11	R	10:42	126 45		
"		12	Y		123 35		
		13	W		120 55		
	"	14	Y		116 55		
		15	W		115 10		
	"	16	R	10:50	112 30		
		17	Y		111 00		
		18	W		108 05		
		19	Y		106 15		

Cut-in 30+00(N) On 400' Offset line to left

F.B. 150/Pg. 56 Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kleinert Notes Chkd. 10-22-48 Checked X-Sec.
Indexed C. Johnson Date Date No.

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.

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~H:30~~	6.5	57	56	0.1	Range Line 28+00 (N)
2	Y	10:27	5.3	58	56	0.2	
3	W		7.8	68	56	1.2	
4	Y		9.0	78	56	2.2	
5	W		9.9	85	56	2.9	
6	R	~~H:34~~	10.2	97	56	4.1	
7	Y	10:31	11.1	104	56	4.8	
8	W		12.5	118	56	6.2	
9	Y		14.5	139	56	8.3	
10	W		16.5	155	56	9.9	
11	R	~~H:38~~	17.8	171	55	11.6	
12	Y	10:35	18.0	183	55	12.8	
13	W		19.4	197	55	14.2	
14	Y		22.5	215	55	16.0	
15	W		23.7	232	55	17.7	
16	R	~~H:42~~	24.3	247	55	19.2	
17	Y	10:40	25.0	272	55	21.7	
18	W		28.4	288	55	23.3	
19	Y		30.0	305	55	25.0	
20	W						

28+00 (N)

Boat

Profile Notes Red ~~Pencil~~ Plotted H.U.M.M. Job No. Quartz Division No. F.B. 161 Pg. 59
No. Date 11-23-48 Date 12-48 Survey of Beach Erosion
Name Chkd. Checked Survey by Beach Erosion Section
No. Date Date Map No. Ordered Date

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. 601 Pg. 58 Job No. 8417 Division No. Notes Red. M.J. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 12-23-48 No. -48 X-Sec.
Survey by Clement Notes Chkd. Checked No.
Indexed C. Iaramman Date Date Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~1051~~	9 7	82	52	3.0	Range Line 30+00(N)
2	Y	9:31	9 6	89	52	3.7	Going out
3	W		8 5	97	52	4.5	
4	Y		11 1	107	52	5.5	
5	W		11 0	119	52	6.7	
6	R	~~1035~~	13 1	135	53	8.2	
7	Y	9:35	13 3	142	53	8.9	
8	W		14 5	154	53	10.1	
9	Y		16 5	172	53	11.9	
10	W		18 4	193	53	14.0	
11	R	~~1040~~	21 0	220	53	16.7	
12	Y	9:40	22 7	234	53	18.1	
13	W		24 1	247	53	19.4	
14	Y		25 5	262	53	20.9	
15	W		26 3	270	53	21.7	
16	R	~~1050~~	28 1	287	54	23.3	Boat 30+00(N)
17	Y	9:50	28 5	292	54	23.8	
18	W		30 0	307	54	25.3	
19	Y		31 2	319	54	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	
32	6	1	R	11:11	90°00'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		89°35'		
(N)	(N)	3	W		90°05'		
		4	Y		90°00'		
		5	W		90°00'		
ON 400' OFFSET TO LEFT.	ON 400' OFFSET TO LEFT.	6	R	11:24	90°00'		
		7	Y		89°55'		
		8	W		89°50'		
		9	Y		90°00'		
		10	W		89°50'		
		11	R	11:33	89°55'		
		12	Y		89°30'		
		13	W		89°55'		
		14	Y		90°15'		
		15	W		89°35'		
		16	R	11:42	89°35'		
		17	Y		90°00'		
		18	W		90°20'		
		19	Y		90°00'		
		20	W		90°20'		

CONTINUED

Profile Notes Red ____ Plotted N.U.M.M. Job No. 8447 Division No. ____ F.B. 1509 Pg. 57
No. ____ Date ____ Date 12-4-48 Survey of Eagle Erosion
X Sec. Notes Chief ____ Checked ____ Survey by ____ Notes HHR Date 10-27-48
No. ____ Date ____ Date ____ Map No. ____ Andrew Johnson Date ____

Range 32+00 (N)

F.B. 150 / Pg. 60

Job No. _____ Division No. _____ Notes Red. _____ Plotted H. U. M. H. Profile

Survey of _____ Date _____ Date 12- -48 No. _____

Survey by _____ Notes HHR 10-22-48 Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date _____ Date _____ No. _____

Range
32+00 N. Contd

ON 400' OFFSET TO LEFT.

ON 400' OFFSET TO LEFT.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
32 +00 N	6 +00 (N)	21	R	11:47	90°00'	RANGE LINE ∡ = 90°
		22	Y		90°10'	
		23	W		89°30'	

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.

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		
~~32+00(N) 6+00(N)~~	1	R	11 12	73° 20'	Range Line 32+00 (N.)		
" "	2	Y		71 30			
" "	3	W		70 10			
" "	4	Y		68 30			
" "	5	W		67 05			
" "	6	R	11:25	65 30			
" "	7	Y		63 55			
" "	8	W		62 45			
" "	9	Y		61 25			
" "	10	W		59 05			
" "	11	R	11:34	57 05			
" "	12	Y		55 15			
" "	13	W		54 10			
" "	14	Y		52 55			
" "	15	W		51 00			
" "	16	R	11:42	49 35			
" "	17	Y		48 15			
	18	W		43 55			
	19	Y		42 15		~~Y~~	~~37 50~~
	20	W		41 00		~~W~~	~~35 45~~
	~~21~~	~~R~~	~~11:48~~	~~[illegible]~~			

Cont'd on next page.

Cont'd 32+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted M. U. M. M. Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked Date 12-[illegible]-48 Survey of Beach Erosion Survey Date 10-11-48
Map No. ____ Date ____ Indexed Date ____ Survey by [illegible] Notes [illegible] Indexed Johnson

F.B. 116 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. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
38+00 (N)	6+00 (N)	21	R	1148	39 20	Cont'd from preceding page.
		22	Y		37 50	
		23	W		35 45	
On 400' offset line to left.						
	"					
	"					
	"					
	"					
Cut-in	"					
32+00 (N)	" Cont'd.					

F.B. 461 Pg. 62

Job No. 8427 Division No. Notes Red Date Plotted H. U. M. H.

Survey of Beach Erosion Date 12-10-48 No. Profile

Survey by Merrick Notes 60 10-22-48 Notes Chkd. Checked No. X-Sec.

Indexed J. 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	~~11:12~~	345 333	337	55	28.2	Range Line 32+00 (N)
2	Y	10:12	340 318	325	55	27.0	
3	W		313 303	306	55	25.1	
4	Y		301 295	297	55	24.2	
5	W		303 280	288	55	23.3	
6	R	~~11:26~~	301 271	281	55	22.6	
7	Y	10:26	287 259	268	55	21.3	
8	W		280 260	267	55	21.2	
9	Y		274 245	255	55	20.0	
10	W		260 240	247	55	19.2	
11	R	~~11:34~~	250 230	237	55	18.2	
12	Y	10:34	234 211	219	55	16.4	
13	W		230 203	212	55	15.7	
14	Y		212 193	199	55	14.4	
15	W		195 181	186	55	13.1	
16	R	~~11:42~~	185 165	172	55	11.7	
17	Y	10:42	178 156	163	55	10.8	
18	W		162 140	147	55	9.2	
19	Y		146 130	135	55	8.0	
20	W		138 124	129	55	7.4	(over)

Profile Notes Red M.J. Plotted H.U.M.H. Job No. 8412 Division No.
No. Date 11-23-48 Date 12-[illegible]-48 Survey of [illegible]
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes [illegible] 10-[illegible]
No. Date Date Map No. Indexed Johnson Date

F.B. 1661 Pg. 63

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.J. Meas.	F. S.	ELEV. Ht.		
#	Color	Time	Depth	Botom	Tide	Adj. Depth	Remarks
21	R	~~11:48~~	128	116 ✓	55	6.1	Range Line 32+00(N)
22	Y	10:48	110	96 ✓	55	4.1	Continued
23	W		117	75 ✓	55	2.0	

Boat. 32+00(N) Cont'd

F.B. 401 PG. 64 Job No. 8412 Division No. Notes Red M.J. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11-23-48 Date 12-48 No. X-Sec.
Survey by Hamer Notes [illegible] 10/22/48 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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
34	30	1	R	7:42	88° 30'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		89° 45'		
(N)	(N)	3	W		89° 45'		
		4	Y		90° 10'		
		5	W		90° 20'		
		6	R	7:55	90° 20'		
	-	7	Y		90° 25'		
		8	W		90° 15'		
	=	9	Y		89° 10'		
		10	W		89° 50'		
	=	11	R	8:03	90° 00'		
		12	Y		89° 40'		
		13	W		90° 25'		
	=	14	Y		90° 35'		
		15	W		89° 50'		
	600'	16	R	8:08	90° 45'		
		17	Y		91° 15'		
		18	W		90° 00'		
ON 600' OFFSET TO LEFT.	=						

Range
34+00 (N)

Profile No. ____ Notes Red ____ Plotted M. U. M. H. Job No. 848 Division No. ____ F.B. No 1 Pg. 65
Date ____ Date 12- -48 Survey of Beach Erosion
X Sec. No. ____ Notes Chkd ____ Checked ____ Survey by Hazeltine HHR Date 10-27-48
Date ____ Date ____ Map No. ____ Indexed Johnson 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	
36	30	1	R	8:21	89° 20'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		89° 30'		
(N)	(N)	3	W		89° 25'		
		4	Y		89° 45'		
		5	W		89° 00'		
		6	R	8:27	90° 15'		
		7	Y		89° 35'		
	=	8	W		89° 25'		
		9	Y		89° 55'		
	=	10	W		90° 20'		
		11	R	8:32	90° 10'		
		12	Y		90° 15'		
	=	13	W		90° 20'		
		14	Y		90° 15'		
Range 36+00 (N) ON 600' OFFSET TO LEFT.	600'						
	=						

F.B. 501 PG. 66 Job No. 84125 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Flemack Notes HHR 10-27-48 Notes Chkd. Checked X-Sec.
Indexed by 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. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
40+00	6+00	1	R	7 42	70 25	Range Line 34+00 (N)	
(N)	(N)	2	Y		69 30		
		3	W		67 20		
		4	Y		64 55		
		5	W		62 10		
		6	R	7 55	60 50		
		7	Y		56 55		
		8	W		54 50		
		9	Y		53 00		
		10	W		51 40		
		11	R	8 03	50 10		
		12	Y		47 40		
		13	W		46 10		
		14	Y		44 05		
		15	W		41 35		
		16	R		38 50		
		17	Y	8 07	37 55		
		18	W		35 50		

Offset 400' to the left

Cut-in 34+00 (N)

Profile Notes Red. Plotted H. U. M. K. Job No. 8442 Division No.
No. Date 12-[illegible]-48 Survey of [illegible] Station
X Sec. Notes Chkd. Checked Survey by [illegible] Date 10-[illegible]-48
No. Date Date Map No. Indexed [illegible] Date

F.B. [illegible] Pg. 67

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
32+00	6+00	1	R	8 21	131 40	Range Line 36+00 (N)
(N)	(N)	2	Y		131 05	
		3	W		129 00	
		4	Y		127 05	
		5	W		123 10	
		6	R	8 27	122 55	
		7	Y		120 15	
		8	W		116 40	
		9	Y		114 25	
		10	W		111 45	
		11	R	8 33	109 05	
		12	Y		107 10	
		13	W		104 40	
		14	Y		103 15	

Cut-in 36+00 (N)
Offset 400' to the left
" " " "
" " " "

F.B. 1501 PG. 68
Job No. 8412 Division No. Notes Red Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Klieneck Notes J.W.S.M. 10-27-48 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	~~7:42~~	31.8	30.5	44	26.1	Range Line 3+40 (N)
2	Y	6:42	29.8	28.9	44	24.5	
3	W		30.0	27.6	44	23.2	
4	Y		28.4	26.7	44	22.3	
5	W		27.1	25.4	44	21.0	
6	R	~~7:54~~	26.4	24.3	43	20.0	
7	Y	6:54	24.9	23.0	43	18.7	
8	W		25.0	22.1	43	17.8	
9	Y		24.0	21.3	43	17.0	
10	W		22.5	19.9	43	15.6	
11	R	~~8:03~~	21.0	19.1	43	14.8	
12	Y	7:03	19.9	17.6	43	13.3	
13	W		18.9	16.8	43	12.5	
14	Y		17.8	15.0	43	10.7	
15	W		16.8	13.7	43	9.4	
16	R	~~8:08~~	15.8	10.4	42	6.2	
17	Y	7:08	13.8	9.0	42	4.8	
18	W		12.4	7.0	42	2.8	

Profile No. ____ Notes Red ____ Date 11-26-68 Plotted M.U.M.H. Job No. 8426 Division No. ____ F.B. 164 pg 64
Notes Grid ____ Date 12-[illegible]-68 Checked ____ Date ____ Survey of [illegible] Survey by [illegible] Map No. ____ Approved [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. 1(5) Pg. 70 Job No. 8412 Division No. Notes Red. 7-21-48 Plotted H. U. M. H. Profile No.
Survey of Beach Erosion Date 10-27-48 Notes Chkd. 11-26-48 Date 12-1-48 Checked X-Sec. No.
Survey by Meinzer Notes Oliver Date Date Date No.
Indexed A. C. Johnson Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:21~~	10.4 / 8.5	91✓	41	5.0	Range Line 36+00(N)
2	Y	7:21	11.8 / 10.3	108✓	41	6.7	Note: Going out
3	W		14.4 / 13.4	137✓	41	9.6	
4	Y		15.8 / 14.4	149✓	41	10.8	
5	W		18.6 / 16.1	169✓	41	12.8	
6	R	~~8:27~~	17.5 / 17.1	179✓	41	13.8	
7	Y	7:27	20.5 / 18.5	192✓	41	15.1	
8	W		22.8 / 20.5	213✓	41	17.2	
9	Y		24.0 / 23.0	227✓	41	18.6	
10	W		24.6 / 23.1	236✓	41	19.5	
11	R	~~8:32~~	27.5 / 25.3	260✓	40	22.0	
12	Y	7:32	27.4 / 26.0	265✓	40	22.5	
13	W		29.6 / 28.2	287✓	40	24.7	
14	Y		31.0 / 29.9	303✓	40	26.3	
15	W						Boot 36+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	
38	30	1	R	8:52	90° 40'	RANGE LINE ∡ =90°	
+00	+00	2	Y		89° 50'		
(N)	(N)	3	W		89° 55'		
		4	Y		90° 00'		
		5	W		90° 10'		
		6	R	9:00	89° 50'		
	"	7	Y		89° 55'		
		8	W		89° 40'		
	"	9	Y		89° 35'		
		10	W		90° 10'		
		11	R	9:09	90° 10'		
	"	12	Y		90° 10'		
		13	W		90° 05'		
		14	Y		90° 15'		
		15	W		90° 20'		
	400'	16	R	9:15	90° 30'		
		17	Y		90° 20'		
		18	W		90° 10'		
	"	19	Y		89° 40'		

ON 400' OFFSET TO LEFT.

Range 38+00 (N)

Profile Notes Red ____ Plotted M. U. M. H. Job No. 8425 Division No. ____ F.B. 1/6 Pg. 71
No. ____ Date ____ Date 12-[illegible]-48 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes HHR Date 10-27-48
No. ____ Date ____ Date ____ Map No. ____ Indexed J. Jan[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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
40	30	1	R	9:31	90° 20'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 10'		
(N)	(N)	3	W		90° 00'		
		4	Y		90° 00'		
		5	W		90° 05'		
		6	R	9:37	90° 50'		
	=	7	Y		89° 50'		
		8	W		90° 25'		
		9	Y		89° 35'		
	=	10	W		90° 15'		
		11	R	9:43	89° 55'		
		12	Y		90° 05'		
	=	13	W		90° 10'		
		14	Y		90° 05'		
		15	W		90° 05'		
	400	16	R	9:49	90° 15'		
		17	Y		90° 10'		
	=						

Range 40 400 (N) ON 400' OFFSET TO LEFT.

F.B. 1/01 PG. 72 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Bleiweck Notes HHR 10-27-48 Notes Chkd. Checked X-Sec.
Indexed C. Jonnson 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	
32+00 (N)	6+00 (N)	1	R	8 52	105 55	Range Line 38+00 (N)	
		2	Y		109 25		
		3	W		111 00		
		4	Y		112 25		
		5	W		113 20		
		6	R	8 59	114 45		
		7	Y		117 35		
		8	W		118 50		
		9	Y		120 25		
		10	W		124 10		
		11	R	9 09	128 50		
		12	Y		131 55		
		13	W		134 15		
		14	Y		137 05		
		15	W		137 25		
		16	R	9 15	140 00		
		17	Y		142 20		
		18	W		143 10		
		19	Y		146 00		

Offset 400' to the left

Cut-in 38+00 (N)

Profile Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 450 Pg. 73

No. ____ Date ____ Date 12-[illegible]-48 Survey of Beach Erosion

X Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 10-27-48

No. ____ Date ____ Date ____ Map No. ____ Indexed J. Johnson 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
34+00	6+00	1	R	9 32	160° 00'	Range Line 40+00 (N)
(N)	(N)	2	Y		156 40	
		3	W		155 40	
		4	Y		154 40	
		5	W		152 45	
		6	R	9 38	151 45	
		7	Y		147 15	
		8	W		145 25	
		9	Y		142 20	
		10	W		139 05	
		11	R	9 43	133 55	
		12	Y		129 10	
		13	W		125 10	
		14	Y		121 05	
		15	W		118 05	
		16	R	9 49	114 50	
		17	Y		112 20	

Cut-in 40+00 (N) Offset 600' to the left
" " " "

F.B. 1501 Pg. 74
Job No. 5412 Division No. ____ Notes Red. ____ Plotted H. U. M. H. Profile
Survey of Beach Erosion Date ____ Date 12-48 No. ____
Survey by Klienack Notes S.W.S.M. 10-27-48 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.

Profile No. ____ Date 11-26-48 Notes Red 7:15 Plotted H.U.M.H. Job No. 847 Division No. ____
Xsec. No. ____ Date 12-__-48 Notes Chkd ____ Checked ____ Survey ____ Survey by [redacted]
Date ____ Date ____ Map No. ____ Proofed Johnson Date ____

F.B. 168 Pg. 75

STATION #	Color	B.S. – Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:51~~	31.8	30.9✓	39	27.0	Range Line 38+00 (N)
2	Y	7:51	30.4	29.8✓	39	25.9	
3	W		29.4	28.4✓	39	24.5	
4	Y		29.2	27.6✓	39	23.7	
5	W		28.0	27.1✓	39	23.2	
6	R	~~9:00~~	27.0	25.7✓	38	21.9	
7	Y	8:00	25.8	24.9✓	38	21.1	
8	W		24.5	24.2✓	38	20.4	
9	Y		25.1	23.4✓	38	19.6	
10	W		23.8	21.8✓	38	18.0	
11	R	~~9:09~~	22.5	19.8✓	37	16.1	
12	Y	8:09	21.5	18.1✓	37	14.4	
13	W		19.4	16.9✓	37	13.2	
14	Y		19.6	15.8✓	37	12.1	
15	W		17.4	14.9✓	37	11.2	
16	R	~~9:15~~	15.8	13.9✓	37	10.2	
17	Y	8:15	14.5	12.3✓	37	8.6	
18	W		13.0	9.3✓	37	5.6	
19	Y		12.4	4.3✓	37	0.6	
			9.8				
			5.8				
			3.3				

Boat
38+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	~~9:31~~	6.1 5.1	54	35	1.9	Range Line 40+00 (N)
2	Y	8:31	9.4 7.1	79	35	4.4	Note: Going out
3	W		11.1 9.8	102	35	6.7	
4	Y		12.6 11.5	119	35	8.4	
5	W		15.0 12.9	136	35	10.1	
6	R	~~9:37~~	13.0 12.4	133	35	9.8	
7	Y	8:37	15.5 13.5	142	35	10.7	
8	W		17.5 15.4	161	35	12.6	
9	Y		18.7 17.0	176	35	14.1	
10	W		19.6 18.0	185	35	15.0	
11	R	~~9:43~~	22.1 20.2	208	34	17.4	
12	Y	8:43	23.0 21.4	219	34	18.5	
13	W		25.7 23.6	243	34	20.9	
14	Y		26.5 25.0	255	34	22.1	
15	W		27.2 26.0	264	34	23.0	
16	R	~~9:49~~	29.8 27.7	284	33	25.1	
17	Y	8:49	30.0 29.0	293	33	26.0	

Boat 40+00 (N)

F.B. 1501 Pg. 76
Job No. 8412 Division No. ____ Notes Red. M.J. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 11-26-48 Date 12-48 No. ____
Survey by [illegible] 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	#	Color	Time	Hor. Ang.	Remarks	
42	30	1	R	10:08	90° 10'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 40'		
(N)	(N)	3	W		90° 30'		
		4	Y		90° 05'		
		5	W		90° 30'		
		6	R	10:15	90° 55'		
		7	Y		90° 30'		
		8	W		90° 45'		
		9	Y		90° 05'		
		10	W		90° 30'		
		11	R	10:23	90° 25'		
		12	Y		90° 40'		
		13	W		90° 25'		
		14	Y		89° 50'		
		15	W		90° 15'		
		16	R	10:27	91° 15'		

ON 600' OFFSET TO LEFT.

= 600' =

Range 42+00 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8442 Division No. ____ F.B. 156 Pg. 22

No. ____ Date ____ Date 12-[illegible]-48 Survey of Beach Erosion

X.Sec. Notes Chkd ____ Checked ____ Survey by [illegible] Date 10-27-48

No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson 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	
44	30	1	R	10:37	90° 40'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		91° 10'		
(N)	(N)	3	W		89° 25'		
		4	Y		90° 35'		
		5	W		90° 00'		
	=	6	R	10:44	90° 55'		
		7	Y		90° 20'		
		8	W		89° 55'		
	=	9	Y		89° 55'		
		10	W		90° 15'		
		11	R	10:52	89° 40'		
	=	12	Y		89° 45'		
		—					
Range 44+00 (N) ON 400 OFFSET TO LEFT.	400'						
	=						

F.B. 150 PG. 78 Job No. 8426 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Meinert Notes HHR 10-27-48 Notes Chkd. Checked X-Sec.
Indexed A. O. 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
34+00	6+00	1	R	10 08	117° 45'	Range Line	42+00 (N)
(N)	(N)	2	Y		120 10		
		3	W		122 00		
		4	Y		125 30		
		5	W		129 00		
	"	6	R	10 15	133 55		
	"	7	Y		136 10		
	"	8	W		137 15		
	"	9	Y		139 35		
	"	10	W		145 00		
	"	11	R	10 23	150 35		
		12	Y		154 05		
	"	13	W		159 20		
		14	Y		159 05	OK	
		15	W		161 10		
		16	R	10 27	163 00		

Offset 600' to the left

Cut-in 42+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 5412 Division No. ____ F.B. 150 Pg. 79

X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion

Notes Chkd ____ Checked ____ Survey by Elizabeth Notes J.W.J.M. Date 10-27-48

No. ____ Date ____ Date ____ Map No. ____ Indexed 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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
34+00	6+00	1	R	10 37	166° 50'	Range Line 44+00 (N)	
(N)	(N)	2	Y		166 00		
		3	W		164 40		
		4	Y		163 05		
		5	W		161 50		
		6	R	10 44	156 00		
		7	Y		150 35		
		8	W		145 20		
		9	Y		140 05		
		10	W		133 25		
		11	R	10 52	128 20		
		12	Y		123 30		

Cut-in 44+00 (N) offset 6.00' to the left

F.B. 1561 Pg. 80 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kluenck Notes T.W.S.M. 10-27-48 Notes Chkd. Checked X-Sec.
Indexed A. O. 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 #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:08~~	30.4 / 29.1	~~29.5~~	31	26.4	Range Line 42+00 (N.)
2	Y	9:08	29.8 / 29.5	28.2	31	25.1	
3	W		27.9 / 26.9	27.2	31	24.1	
4	Y		26.5 / 25.3	25.7	31	22.6	
5	W		24.1	24.4	31	21.3	
6	R	~~10:15~~	23.7 / 22.6	23.0	30	20.0	
7	Y	9:15	21.2 / 21.5	22.4	30	19.1	
8	W		~~20.0~~ / 23.0	21.5	30	18.5	
9	Y		22.3 / 20.9	21.4	30	18.4	
10	W		21.1 / 20.0	20.4	30	17.4	
11	R	~~10:22~~	20.5 / 19.5	19.8	29	16.9	
12	Y	9:22	18.7 / 16.8	17.4	29	14.5	
13	W		15.0 / 14.0	14.3	29	11.4	
14	Y		15.8 / 14.0	14.6	29	11.7	
15	W		12.7 / 11.7	12.0	29	9.1	
16	R	~~10:27~~	8.0 / 6.8	7.2	28	4.4	
17	Y	9:27					

Profile No. _____ Date 11-26-48 Date 12-[illegible]-48 Job No. [illegible] Division No. _____ F.B. [illegible] Pg. [illegible]

Notes Red [illegible] Plotted H.L.M.M. Survey of [illegible]

Notes Chkd. _____ Checked _____ Survey By [illegible]

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

Boat

22+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	~~10:37~~	8.0 / 6.0	67	27	4.0	Range Line 44+00 (N)
2	Y	9:37	12.5 / 11.0	115	27	8.8	Note: Going out
3	W		14.0 / 12.5	130	27	10.3	
4	Y		15.3 / 14.0	144	27	11.7	
5	W		17.3 / 15.8	163	27	13.6	
6	R	~~10:44~~	18.8 / 18.1	183	26	15.7	
7	Y	9:44	20.0 / 19.0	193	26	16.7	
8	W		22.0 / 20.3	209	26	18.3	
9	Y		23.3 / 21.8	223	26	19.7	
10	W		25.3 / 23.3	241	26	21.5	
11	R	~~10:52~~	27.2 / 25.3	259	26	23.3	
12	Y	9:52	27.0 / 27.7	281	26	25.5	

Boot 44+00 (N)

F.B. 1501 PG. 82

Job No. 8412 Division No. ____ Notes Red M. J. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date 11-26-48 Date 12-48 No. ____ X-Sec.

Survey by Hancock Notes Oliver 10/27/48 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		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
46	30	1	R	11:06	90° 15'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		89° 45'		
(N)	(N)	3	Y		89° 55'		
		4	Y		89° 55'		
		5	W		90° 15'		
	=	6	R	11:15	90° 15'		
		7	Y		89° 25'		
		8	W		90° 10'		
	=	9	Y		89° 35'		
		10	W		89° 45'		
		11	R	11:20	90° 30'		
	=	12	Y		91° 00'		
ON 400' OFFSET TO LEFT.							
	400'						
	=						

Range 46+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8426 Division No. ____ F.B. 451 Pg. 83
X-Sec. No. ____ Date ____ Date 12- -48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Chief H.H.R. Date 10-27-48
Date ____ Date ____ Map No. ____ Chief J. Johnson 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	
48 "N-1"	1	R	1129	90 05	RANGE LINE ∡ = 90°	
+00	2	Y		91 20		
N	3	W		90° 20'		
	4	Y		90° 30'		
	5	W		89° 50'		
"	6	R	11:33	90° 05'		
	7	Y		90° 05'		
	8	W		89° 55'		
"	9	Y		89° 50'		
	10	W		90° 05'		
	11	R	11:41	89° 50'		
	12	Y		90° 05'		
"	13	W		90° 05'		
	—					
" 400'						

Range 48+00 (N)
ON 400 OFFSET TO LEFT.

F.B. 153 Pg. 84 Job No. 5442 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 12-48 No.
Survey by Mainack Notes HHR 10-27-48 Notes Chkd. Checked X-Sec.
Indexed 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.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
34+00	6+00	1	R	11 06	127° 00'	Range Line 46+00 (N)	
(N)	(N)	2	Y		128 30		
		3	Y ~~W~~		131 30		
		4	Y		135 50		
		5	W		140 15		
		6	R	11 14	147 45		
	"	7	Y		151 50		
	"	8	W		156 50		
	"	9	Y		160 30		
	"	10	W		164 15		
	"	11	R	11 20	167 40		
	"	12	Y		169 10		

Offset 600' to the left

Cut-in 46+00 (N)

Profile Notes Red ____ Plotted M.U.M.M. Job No. 8412 Division No. ____ F.B. 1551 Pg. 65
No. ____ Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Klienesch Notes J.W.S.M. Date 10-27-48
No. ____ Date ____ Date ____ Map No. ____ Andrew Johnson 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
34+00 (N)	6+00 (N)	1	R	11 28	171 00	Range Line 48+00 (N)
		2	Y		169 55	
		3	W		169 10	
		4	Y		167 35	
		5	W		165 35	
	"	6	R	11 32	160 30	
	"	7	Y		156 25	
	"	8	W		151 05	
	"	9	Y		144 40	
	"	10	W		141 20	
	"	11	R	11 40	137 55	
	"	12	Y		134 45	
	"	13	W		131 50	
		~~14~~	~~Y~~			
		~~15~~	~~W~~			
		~~16~~	~~R~~			

Offset 600' to the left

Cut-in 48+00 (N)

P.B. 561 Pg. 86

Job No. 5412 Division No. Notes Red. Plotted H. U. M. M. Profile

Survey of Beach Erosion Date 12 - - 48 No. X-Sec.

Survey by Kleinecke Notes Moore 10-27-48 Notes Chkd. Checked No.

Indexed [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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11:06~~	29.8 / 22.2	287 ✓	25	26.2	Range Line 46+00 (N)
2	Y	10:06	29.8 / 27.7	281 ✓	25	25.6	
3	Y		27.7 / 26.2	267 ✓	25	24.2	
4	Y		25.5 / 23.5	242 ✓	25	21.7	
5	W		24.5 / 23.0	235 ✓	25	21.0	
6	R	~~11:15~~	22.2 / 21.0	214 ✓	24	19.0	
7	Y	10:15	21.5 / [illegible]	204 ✓	24	18.0	
8	W		20.8 / 19.7	192 ✓	24	16.8	
9	Y		19.7 / 17.3	181 ✓	24	15.7	
10	W		17.3 / 15.5	161 ✓	24	13.7	
11	R	~~11:20~~	13.5 / 12.8	130 ✓	23	10.7	
12	Y	10:26	8.0 / 6.5	70 ✓	23	4.7	
13	W						

Profile No. ____ Notes Red M.J. Plotted H.U.M.H. Job No. 8442 Division No. ____ F.B. 1606 Pg. 87
Date 11-26-48 Date 12-[illegible]-48 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-29-48
Date ____ Date ____ Map No. ____ Index No. [illegible] Date ____

Boot 46+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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11:29~~	9.5 / 8.8	90	23	6.7	Range Line 48+00 (N)
2	Y	10.29	13.5 / 11.0	118	23	9.5	
3	W		15.0 / 13.3	140	23	11.7	
4	Y		16.5 / 15.3	157	23	13.4	
5	W		18.2 / 17.0	174	23	15.1	
6	R	~~11:33~~	20.0 / 18.5	190	23	16.7	
7	Y	10:33	21.2 / 19.8	203	23	18.0	
8	W		22.3 / 21.5	218	23	19.5	
9	Y		23.8 / 22.8	231	23	20.8	
10	W		25.2 / 24.0	244	23	22.1	
11	R	~~11:40~~	26.2 / 25.0	254	23	23.1	
12	Y	10:40	28.1 / 26.8	272	23	24.9	
13	W		29.5 / 28.2	286	23	26.3	

Boot 48+00 (N)

F.B. 1501 PG. 88

Job No. 8442 Division No. _____ Notes Red. M. J. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date 11-26-48 Date 12-48 No. _____ X-Sec.

Survey by Steiner Notes Olives 10/27/48 Notes Chkd. _____ Checked _____

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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
50	"N-1"	1	R	8:02	92° 30'	RANGE LINE	∡ = 90°
+00		2	Y		89° 50'		
(N)		3	W		90° 15'		
		4	Y		90° 20'		
		5	W		90° 25'		
	"	6	R	8:08	90° 25'		
		7	Y		89° 55'		
	"	8	W		90° 30'		
		9	Y		90° 20'		
		10	W		90° 10'		
	"	11	R	8:12	90° 00'		
		12	Y		90° 35'		
		13	W		90° 40'		
		14	Y		90° 25'		
		15	W		90° 00'		
	0	16	R	8:20	91° 05'		
	0	17	Y		90° 20'		
	9	18	W		90° 30'		
	"						

ON 600' OFFSET TO LEFT.

Range 50+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8476 Division No. ____ F.B. 1601 Pg. 89
Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Stewart HHR Date 10-28-48
Date ____ Date ____ Map No. ____ Indexed J. Johnson 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	
52	"N-1"	1	R	8:40	90° 45'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 25'		
(N)		3	W		90° 00'		
		4	Y		90° 10'		
		5	W		90° 25'		
	=	6	R	8:48	90° 20'		
		7	Y		90° 35'		
		8	W		90° 15'		
	=	9	Y		90° 30'		
		10	W		90° 50'		
		11	R	8:55	91° 15'		
		12	Y		90° 05'		
	=	13	W		90° 25'		
		14	Y		90° 10'		
		15	W		90° 15'		
	600'	16	R	8:58	90° 10'		
		17	Y		90° 20'		
		18	W		90° 50'		
	=						

Range 52+00 (N) ON 600' OFFSET TO LEFT.

F.B. 150 PG. 90
Job No. [illegible] Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kleinert Notes HHR 10-28-48 Notes Chkd. Checked X-Sec.
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	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
42+00 6+00	1	R	~~7 58~~ 8 02	168 10	Range Line 50+00 (N)	
	2	Y		167 20	Going Out	
	3	W		165 50		
	4	Y		164 50		
	5	W		163 10		
"	6	R	8 ~~03~~ 08	162 20		
"	7	Y		161 45		
"	8	W		160 10		
"	9	Y		157 15		
"	10	W		152 45		
"	11	R	8 ~~07~~ 12	149 55		
"	12	Y		144 30		
"	13	W		137 45		
	14	Y		131 30		
	15	W		125 20		
	16	R	8 ~~15~~ 20	124 15		
	17	Y		120 30		
	18	W		118 15		

Offset 600' to the left

Cut-in 50+00 (N)

Profile No. ____ Notes Red ____ Plotted M. U. M. H. Job No. 8412 Division No. ____ F.B. 150/Pg. 91

X-Sec. No. ____ Date ____ Date 12-[illegible] Survey of Beach Erosion

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

No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson 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
42+00	6+00	1	R	8 ~~34~~ 39	123	20	Range Line 52+00 (N)
		2	Y		125	25	Coming In
		3	W		129	20	
		4	Y		132	05	
		5	W		135	00	
		6	R	8 ~~42~~ 47	140	00	
		7	Y		145	50	
		8	W		149	15	
		9	Y		153	35	
		10	W		157	30	
		11	R	8 ~~49~~ 54	160	50	
		12	Y		163	00	
		13	W		164	00	
		14	Y		165	35	
		15	W		166	20	
		16	R	8 ~~52~~ 57	167	30	
		17	Y		168	40	
		18	W		170	20	

Cut-in 52+00 (N)
Offset 600' to the left
" " "
" " "

Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Klienack Notes J.W.S.M. 10-25-48 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

P.B. No. Pg. 92

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	~~8:03~~	5.5 / 6.5	72	52	2.0	Range Line 50+00 (N)
2	Y	7:03	8.5 / 7.7	80	52	2.8	Note: Going out
3	W		9.6 / 8.6	89	52	3.7	
4	Y		13.6 / 11.5	122	52	7.0	
5	W		16.0 / 14.0	147	52	9.5	
6	R	~~8:08~~	17.0 / 16.0	163	51	11.2	
7	Y	7:08	18.0 / 16.6	171	51	12.0	
8	W		19.6 / 18.1	186	51	13.5	
9	Y		21.5 / 19.6	202	51	15.1	
10	W		22.0 / 20.5	210	51	15.9	
11	R	~~8:12~~	23.0 / 21.5	220	51	16.9	
12	Y	7:12	23.8 / 22.6	230	51	17.9	
13	W		24.0 / 23.3	235	51	18.4	
14	Y		26.8 / 24.8	255	51	20.4	
15	W		28.4 / 26.4	271	51	22.0	
16	R	~~8:21~~	28.6 / 27.3	277	50	22.7	
17	Y	7:21	30.4 / 28.4	291	50	24.1	
18	W		30.2 / 29.8	299	50	24.9	

Boat
50+00 (N)

Profile Notes Red M.X. Plotted H.U.M.H. Job No. 842 Division No. F.B. 1661 Pg. 93
No. Date 11-26-48 Date 12-[illegible]-48 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by [illegible] Date 11-[illegible]-48
No. Date Date Map No. Indexed L. 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.

F.B. 151 Pg. 94 | Job No. 8412 Division No. ____ Notes Red. 2nd Z. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11-26-48 Date 12-48 No. X-Sec.
Survey by Klemeck Notes S.A. 10-28-48 Notes Chkd. ____ Checked ____
Indexed C. Jaussaud Date ____ Date ____ No. ____

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:41~~	32.0 / 30.9	30.9	48	26.1	Range Line 52+00 (N)
2	Y	7:41	31.2 / 28.5	29.4	48	24.6	
3	W		29.1 / 27.5	28.0	48	23.2	
4	Y		28.1 / 26.1	26.8	48	22.0	
5	W		27.4 / 25.7	26.3	48	21.5	
6	R	~~8:48~~	26.0 / 24.1	24.7	47	20.0	
7	Y	7:48	23.8 / 22.5	22.9	47	18.2	
8	W		23.2 / 21.8	22.3	47	17.6	
9	Y		22.0 / 21.0	21.7	47	17.0	
10	W		22.0 / 20.0	20.7	47	16.0	
11	R	~~8:55~~	20.8 / 19.1	19.7	47	15.0	
12	Y	7:55	20.2 / 18.0	18.7	47	14.0	
13	W		19.2 / 17.3	17.9	47	13.2	
14	Y		18.2 / 16.5	17.1	47	12.4	
15	W		16.8 / 15.1	15.7	47	11.0	
16	R	~~8:58~~	16.0 / 13.0	14.0	46	9.4	Boat 52+00 (N)
17	Y	7:58	11.2 / 10.6	10.8	46	6.2	
18	W		8.6 / 7.0	7.5	46	2.9	
19	Y						

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	
54 "N-1"	1	R	9:08	91° 40'	RANGE LINE ∡ = 90°	
+00	2	Y		92° 00'		
(N)	3	W		91° 15'		
	4	Y		91° 05'		
	5	W		92° 00'		
=	6	R	9:11	90° 50'		
	7	Y		91° 40'		
=	8	W		90° 50'		
	9	Y		90° 10'		
	10	W		91° 40'		
=	11	R	9:14	91° 10'		
	12	Y		91° 30'		
	13	W		91° 05'		
	14	Y		91° 15'		
600'	15	W		89° 50'		
	16	R	9:20	89° 25'		
	17	Y		89° 40'		
	18	W		90° 30'		
=	19	Y		90° 25'		

ON 600' OFFSET TO LEFT.

Range 54+00 (N)

Profile No. ____ Notes Rod ____ Plotted M. U. M. H. Job No. 8476 Division No. ____ F.B. 150/Pg. 95
Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by Marinek Chs. H. H. R. Date 10-28-48
Date ____ Date ____ Map No. ____ Chief Jennings Date ____

F.B. 150 / Pg. 96 | Job No. 8412 | Division No. | Notes Red. | Plotted H. U. M. H. | Profile

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

Survey by Kleinert | Notes HHR 10-28-48 | Notes Chkd. | Checked | X-Sec.

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	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At 56+00 (N) On N-1	#	Color	Time	Hor. Ang.	Remarks	
	1	R	9:39	89° 50'	RANGE LINE ∡ = 90°	
	2	Y		89° 35'		
	3	W		90° 10'		
	4	Y		90° 35'		
	5	W		89° 40'		
	6	R	9:47	89° 55'		
	7	Y		89° 50'		
	8	W		90° 35'		
	9	Y		89° 50'		
	10	W		90° 30'		
	11	R	9:54	89° 45'		
	12	Y		90° 15'		
	13	W		90° 20'		
	14	Y		89° 50'		
	15	W		89° 40'		
	16	R	9:58	90° 10'		
	17	Y		89° 50'		

Range
56+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		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
42+00	6+00	1	R	9 ~~02~~ 07	173 30	Range Line 54+00 (N)	
		2	Y		173 05	Going Out	
		3	W		172 05		
		4	Y		172 00		
		5	W		171 30		
		6	R	9 ~~05~~ 10	170 50		
	"	7	Y		170 25		
	"	8	W		170 05		
	"	9	Y		169 10		
	"	10	W		168 00		
	"	11	R	9 ~~08~~ 13	166 20		
	"	12	Y		164 40		
	"	13	W		161 35		
	"	14	Y		157 50		
		15	W		149 55		
		16	R	9 ~~14~~ 19	142 30		
		17	Y		138 15		
		18	W		133 45		
		19	Y		128 15		

Offset 600' to the left

Cut-in

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1601 Pg. 97

No. ____ Date ____ Date 12-[illegible]-48 Survey of Beach Erosion

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

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.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
42+00	6+00	1	R	9 ~~32~~ 37	133 30	Range Line 56+00 (N)
		2	Y		135 05	Coming In
		3	W		138 35	
		4	Y		141 15	
		5	W		144 55	
		6	R	9 ~~34~~ 43	151 15	
		7	Y		155 55	
		8	W		158 25	
		9	Y		163 40	
		10	W		166 40	
		11	R	9 ~~49~~ 54	169 05	
		12	Y		170 10	
		13	W		171 10	
		14	Y		172 30	
		15	W		172 35	
		16	R	9 ~~53~~ 58	173 05	
		17	Y		173 50	

Cut-in 56+00 (N) Offset 600' to the left

F.B. 1501 Pg. 98 Job No. 5412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Klamack Notes J.W.S.M. 10-28-48 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	~~7:08~~	6.5 / 6.0	62	45	1.7	Range Line 54+00 (N)
2	Y	8:08	8.0 / 6.0	67	45	2.2	Note: Going out
3	W		8.2 / 7.1	75	45	3.0	
4	Y		8.9 / 7.9	82	45	3.7	
5	W		11.0 / 9.0	97	45	5.2	
6	R	~~9:12~~	12.7 / 10.3	111	44	6.7	
7	Y	8:12	13.2 / 12.0	124	44	8.0	
8	W		13.6 / 12.4	128	44	8.4	
9	Y		15.0 / 13.7	141	44	9.7	
10	W		18.0 / 15.8	165	44	12.1	
11	R	~~9:15~~	19.0 / 17.9	183	44	13.9	
12	Y	8:15	20.7 / 18.6	193	44	14.9	
13	W		23.0 / 20.8	212	44	16.8	
14	Y		23.4 / 21.8	223	44	17.9	
15	W		24.1 / 22.7	233	44	18.9	
16	R	~~9:21~~	25.6 / 24.3	247	43	20.4	
17	Y	8:21	27.0 / 26.0	263	43	22.0	
18	W		29.0 / 27.6	281	43	23.8	
19	Y		31.6 / 29.5	307	43	25.9	

Boat
54+00 (N)

Profile No. ____ Notes Red 7 X
X-Sec. No. ____ Date 11-26-48 Plotted H. U. M. H.
Notes Chkd ____ Date ____ Checked ____ Date 12-
Job No. 8412 Division No. ____
Survey of Beach Erosion
Survey by ____ Date ____
Map No. ____ Indexed ____ Date ____
F.B. 156 Pg. 99

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.

F.B. 150/Pg. 100 | Job No. 8412 Division No. | Notes Red. M.G.X. Plotted H.U.M.H. | Profile
Survey of Beach Erosion | Notes 4.0.10-28-48 Date 11-26-48 Date 12-48 No. | X.Sec.
Survey by Kleinbeck | Notes Chkd. Checked | No.
Indexed C. Jacobsen Date | Date Date | No.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:39~~	30.4 29.7	299✓	40	25.9	Rangeline 56+00 (N)
2	Y	8:39	31.0 29.5	293✓	40	25.3	
3	W		28.6 28.9 28.7	275 ~~275~~✓	40	23.5	
4	Y		28.0 25.9	266✓	40	22.6	
5	W		27.0 24.3	257✓	40	21.2	
6	R	~~9:47~~	25.0 23.4	239✓	39	20.0	
7	Y	8:47	23.5 22.0	223✓	39	18.4	
8	W		23.0 21.0	217✓	39	17.8	
9	Y		21.4 19.1	199✓	39	16.0	
10	W		20.5 18.5	193✓	39	15.4	
11	R	~~9:54~~	19.0 17.0	177✓	38	13.9	
12	Y	8:54	16.5 15.0	155✓	38	11.7	
13	W		15.0 13.0	137✓	38	9.9	
14	Y		12.9 11.5	118✓	38	8.0	
15	W		12.4 9.4	104✓	38	6.6	
16	R	~~9:58~~	9.5 8.0	85✓	37	4.8	Boat 56+00 (N)
17	Y	8:58	8.0 6.7	71✓	37	3.4	

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	
58 "N-1"	1	R	10:13	90° 50'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 40'		
(N)	3	W		90° 30'		
	4	Y		88° 40'		
	5	W		91° 40'		
	6	R	10:17	91° 10'		
=	7	Y		91° 25'		
	8	W		90° 40'		
=	9	Y		91° 20'		
	10	W		90° 40'		
	11	R	10:20	91° 00'		
=	12	Y		90° 30'		
	13	W		90° 20'		
	14	Y		91° 00'		
	~~15~~	~~W~~			-Out	
600'	15 ~~16~~	R	10:25	90° 20'		
600'	16 ~~17~~	Y		90° 20'		
	17 ~~18~~	W		90° 35'		
=	18 ~~19~~	Y		90° 15'		
	19 ~~20~~	W		90° 20'		
	20 ~~21~~	R	10:34	90° 15'		

ON 600' OFFSET TO LEFT.

Range 58+00 (N)

Profile Notes Red. Plotted H. U. M. H. Job No. 8436 Division No.
No. Date 12-28-48 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by [illegible] HUR Date 10-28-48
No. Date Date Map No. Made [illegible] Date

F.B. 1501 Pg. 101

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	
60 "N-1"	1	R	10:47	89° 50'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 20'		
(N)	3	W		90° 10'		
	4	Y		90° 25'		
	5	W		90° 25'		
	6	R	10:56	90° 35'		
	7	Y		90° 15'		
	8	W		90° 15'		
	9	Y		90° 00'		
	10	W		90° 50'		
	11	R	11:02	90° 15'		
	12	Y		89° 40'		
	13	W		89° 30'		
	14	Y		89° 35'		
	15	W		90° 20'		
	16	R	11:06	90° 20		

Range 60+00 (N) ON 460 OFFSET TO LEFT.

F.B. 1151 Pg. 102

Job No. 8442 Division No. Notes Red. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date 12-48 No.

Survey by Hermanc Notes HHR 10-28-48 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
52+00	N-1	1	R	10 ~~07~~ 14	166 20	Range Line 58+00 (N)
		2	Y		164 15	Going Out
		3	W		163 30	
		4	Y		162 50	
		5	W		162 15	
		6	R	10 ~~10~~ 17	161 30	
		7	Y		160 50	
		8	W		160 00	
		9	Y		159 50	
		10	W		157 30	
		11	R	10 ~~12~~ 20	156 30	
		12	Y		154 20	
		13	W		150 30	
		14	Y		144 15	
		~~15~~	~~W~~			-out
		15 ~~16~~	R	10 ~~18~~ 25	138 25	
		16 ~~17~~	Y		132 45	
		17 ~~18~~	W		125 50	
		18 ~~19~~	Y		117 25	
		19 ~~20~~	W	34	114 15	
		20 ~~21~~	R	10 ~~22~~	112 05	

Offset 600' to the left

Cut-in

Profile
No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. ____ Date 12-48 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Date ____
Map No. ____ Indexed [illegible] Date ____

F.B. 601 Pg. 103

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
52+00	N-1	1	R	10 ~~39~~ 46	117 35	Range Line 60+00 N
		2	Y		123 20	Coming In
		3	W		127 20	
	"	4	Y		130 00	
		5	W		136 15	
	"	6	R	10 ~~50~~ 56	141 00	
	"	7	Y		148 05	
		8	W		153 05	
	"	9	Y		157 35	
		10	W		161 00	
	"	11	R	~~10 57~~ 11 03	163 20	
		12	Y		165 00	
		13	W		165 55	
		14	Y		167 10	
		15	W		168 15	
		16	R	11 ~~00~~ 06	170 20	

Cut-in 60+00 (N)

Offset 600' to the left

F.B. 150 / PG. 104

Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile

Survey of Beach Erosion Date 12-48 No. X-Sec.

Survey by Klieneck Notes J.W.S.M. 10-28-48 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 #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:14~~	8.4 / 5.4	64✓	34	3.0	Range Line 58400 (M
2	Y	9:14	8.0 / 7.0	73✓	34	3.9	Note: Going out
3	W		10.0 / 8.0	87✓	34	5.3	
4	Y		10.5 / 8.9	94✓	34	6.0	
5	W		11.8 / 10.0	106✓	34	7.2	
6	R	~~10:17~~	13.0 / 10.5	113✓	33	8.0	
7	Y	9:17	13.0 / 11.5	120✓	33	8.7	
8	W		14.0 / 12.4	129✓	33	9.6	
9	Y		14.8 / 13.4	135✓	33	10.2	
10	W		16.0 / 14.6	151✓	33	11.8	
11	R	~~10:21~~	16.5 / 15.5	158✓	32	12.6	
12	Y	9:21	18.5 / 16.8	174✓	32	14.2	
13	W		19.2 / 18.1	185✓	32	15.3	
14	Y		23.0 / 20.1	211✓	32	17.9	
15	R	~~10:25~~	23.0 / 21.1	217✓	32	18.5	
16	Y	~~9:25~~	24.5 / 23.4	231✓	32	19.9	
17	W		24.4 / 23.8	235✓	32	20.3	
18	Y		26.6 / 27.2	257✓	32	22.5	
19	W		28.0 / 28.0	283✓	32	25.1	
20	R	~~10:35~~	28.6 / 28.6	296✓	31	26.5	
		9:35					

Boat
Estimated

Profile No. ____ Date 11-26-48 Plotted M.U.M.H. Job No. 8912 Division No. 3
Notes Red ____ Notes Chkd. ____ Checked ____ Survey of [illegible]
Date ____ Date ____ Survey by [illegible] Date [illegible]
Map No. ____ Indexed ____ Date ____

F.B. 15/Pg. 105

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES IN THIS SHEET MUST 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. 16 / Pg. 106 — Job No. 1412 — Division No. ____ — Notes Red. 7-7-48 — Plotted 12-48 — H. U. M. H. — Profile ____ — X-Sec. ____

Survey of Beach Erosion — Notes Chkd. 11-26-48 — Date 12-48 — No. ____

Survey by Kleinsek — Notes 10-18-48 — Checked ____ — Date ____

Indexed C. Johnson — Date ____ — Date ____ — No. ____

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:47~~	30.1 / 29.8	292	28	26.4	Range Line 60+00 (N)
2	Y	9:47	27.0 / 26.1	264	28	23.6	
3	W		26.3 / 24.0	248	28	22.0	
4	Y		24.8 / 23.0	236	28	20.8	
5	W		23.7 / 22.6	226	28	19.8	
6	R	~~10:56~~	22.0 / 20.4	209	27	18.2	
7	Y	9:56	22.0 / 19.1	201	27	17.4	
8	W		19.7 / 18.5	189	27	16.2	
9	Y		19.0 / 17.1	177	27	15.0	
10	W		17.4 / 16.0	165	27	13.8	
11	R	~~11:03~~	16.4 / 14.0	148 ~~145~~	26	12.2	
12	Y	10:03	12.5 / 12.2	123	26	9.7	
13	W		11.1 / 10.3	106	26	8.0	
14	Y		10.5 / 9.1	96	26	7.0	
15	W		9.0 / 7.4	79	26	5.3	
16	R	~~11:07~~	6.5 / 5.4	58	26	3.2	Root 60+00 (N)
		10:07					

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 62 "N-1" On +00 (N)	#	Color	Time	Hor. Ang.	Remarks	
	1	R	11:14	91° 00'	RANGE LINE ∡ = 90°	
	2	Y		89° 25'		
	3	W		90° 50'		
	4	Y		90° 00'		
	5	W		90° 35'		
	6	R	11:17	90° 40'		
=	7	Y		90° 10'		
	8	W		90° 30'		
=	9	Y		90° 20'		
	10	W		90° 10'		
	11	R	11:22	90° 05'		
=	12	Y		90° 00'		
	13	W		89° 50'		
	14	Y		89° 40'		
	15	W		90° 00		
460'	16	R	11:30	89° 30'		
	17	Y		89° 50'		
	18	W		89° 15'		
=						

ON 460' OFFSET TO LEFT.

Range 62+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8442 Division No. ____ F.B. 4501 Pg. 107

X-Sec. No. ____ Date ____ Notes Chkd ____ Date 12-[illegible]-46 Checked ____ Survey of [illegible] HHR Date 10-28-46

Date ____ Map No. ____ Date ____

F.B. 150 / PG. 108

Job No. 8417 Division No. _____ Notes Red. _____ Plotted H. U. M. H. Profile

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

Survey by Meinack Notes HHR 10-29-48 Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date _____ Date _____ No. _____

Range
64+00 (N)

ON 460' OFFSET TO LEFT.

" 460' " " " .

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At 64+00 (N) On N-1"	#	Color	Time	Hor. Ang.	
	1	R	7:47	89° 40'	RANGE LINE ∡ = 90°
	2	Y		88° 50'	
	3	W		90° 20'	
	4	Y		90° 15'	
	5	W		89° 55'	
	6	R	7:51	89° 35'	
	7	Y		90° 15'	
	8	W		90° 35'	
	9	Y		90° 00'	
	10	W		90° 00'	
	11	R	7:57	89° 45'	
	12	Y		89° 40'	
	13	W		90° 00'	
	14	Y		89° 25'	
	15	W		89° 50'	
	16	R	8:04	89° 35'	
	17	Y		90° 00'	
	18	W		89° 45'	

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.

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 15	Hor. Ang.	Remarks	
52+00 N-1	1	R	11 ~~08~~	171 35	Range Line 62+00	N
	2	Y		170 40	Going Out	
	3	W		170 10		
	4	Y		170 00		
	5	W		169 35		
"	6	R	11 ~~11~~ 18	168 55		
"	7	Y		167 50		
"	8	W		166 40		
"	9	Y		165 30		
"	10	W		162 30		
"	11	R	11 ~~14~~ 22	158 00		
"	12	Y		153 00		
"	13	W		145 05		
"	14	Y		138 40		
	15	W		132 50		
	16	R	11 ~~22~~ 30	128 45		
	17	Y		125 30		
	18	W		121 50		

Offset 600' to the left

Cut-in
62+00(61)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 461 Pg. 104
No. ____ Date ____ Date 12-6-48 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Kleinert Notes S.W.S.M. Date 12-6-48
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson 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	
58+00	~~[illegible]~~	1	R	7:47	152° 40'	Range Line 64+00	(N)
(N)	(N)	2	Y		152 05	Going out	
	N-1	3	W		151 10		
		4	Y		150 10		
		5	W		148 35		
		6	R	7:51	147 05		
	"	7	Y		145 40		
		8	W		143 45		
	"	9	Y		141 40		
	"	10	W		139 15		
		11	R	7:57	134 40		
	"	12	Y		129 05		
		13	W		125 10		
	"	14	Y		120 10		
		15	W		116 50		
	"	16	R	8:04	113 40		
		17	Y		111 25		
		18	W		108 50		

Cut-in 64+00 (N)
Offset Line 400' To The Left

F.B. 1101 Pg. 110
Job No. 8412 Division No. Notes Red Date Plotted H. U. M. H. Date 12-48 No. Profile
Survey of Beach Erosion Notes H.O. 10-29-48 Notes Chkd. Checked X-Sec.
Survey by Kleinack Date Date No.
Indexed A. C. Johnson 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. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~11:14~~	7.8 / 5.5	62✓	25	3.7	Range Line 62+00 (N)
2	Y	10:14	9.2 / 6.7	72✓	25	4.7	
3	W		11.0 / 7.6	87✓	25	6.2	
4	Y		10.1 / 9.0	94✓	25	6.9	
5	W		11.1 / 10.5	107✓	25	8.2	
6	R	~~11:18~~	12.5 / 11.0	115✓	24	9.1	
7	Y	10:18	13.4 / 12.5	128✓	24	10.4	
8	W		15.5 / 13.4	141✓	24	11.7	
9	Y		16.2 / 15.0	154✓	24	13.0	
10	W		18.4 / 17.4	177✓	24	15.3	
11	R	~~11:23~~	20.5 / 18.8	192✓	23	16.9	
12	Y	10:23	21.9 / 20.4	208✓	23	18.5	
13	W		23.3 / 21.2	216✓	23	19.3	
14	Y		24.0 / 23.0	233✓	23	21.0	
15	W		26.3 / 24.0	248✓	23	22.5	
16	R	~~11:31~~	26.2 / 25.1	255✓	23	23.2	
17	Y	10:31	27.5 / 27.5	273✓	23	25.0	
18	W		29.0 / 29.0	293✓	23	27.0	

Boat
62+00 (N)

Profile
No. [redacted]
Date 11-26-46
Notes Red By K. Plotted H. U. M. H. Job No. [redacted] Division No.
Notes Chkd. Date 12-[illegible]-46 Checked Survey [illegible]
No. Date Date Map No. Theodore Johnson Date

F.B. 161 Pg. 111

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. 1/1 Pg. 112 Job No. 8412 Division No. Notes Red. M.E. Date 11-26-48 Plotted H. U. M. H. Date 12-48 No. Profile
Survey of Beach Erosion Notes Chkd. Checked X-Sec.
Survey by Greenback Date Date
Index C. Johnson Date Date No.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:47~~	6 3 5 8	60✓	58	0.2	
2	Y	6:47	8 0 6 5	70✓	58	1.2	RANGE LINE 64+00(N)
3	W		8 9 7 6	80✓	58	2.2	
4	Y		11 8 9 2	101✓	58	4.3	
5	W		12 8 11 3	118✓	58	6.0	
6	R	~~7:51~~	14 7 13 0	136✓	58	7.8	
7	Y	6:51	16 8 15 0	156✓	58	9.8	
8	W		19 ~~2~~ 17 ~~0~~	184✓	58	12.6	
9	Y		21 ~~0~~ 19 ~~0~~	197✓	58	13.9	
10	W	7:57	21 7 20 8	206✓	58	14.8	
11	R	~~7:59~~	22 4 21 0	219✓	58	16.1	
12	Y	6:57	25 0 23 1	237✓	58	17.9	
13	W		26 0 24 3	249✓	58	19.1	
14	Y		27 4 25 5	261✓	58	20.3	
15	W		29 7 26 8	274✓	58	21.6	
16	R	~~8:04~~	29 6 28 7	287✓	58	22.9	
17	Y	7:04	30 2 29 3	298✓	58	24.0	
18	W		33 7 31 6	321✓	58	26.3	Boat 64+00(N)
19	Y						
20	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	
66 N-1"	1	R	8:21	90° 10'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 10'		
(N)	3	W		90° 05'		
	4	Y		90° 30'		
	5	W		90° 20'		
	6	R	8:31	90° 00'		
	7	Y		90° 10'		
"	8	W		90° 10'		
"	9	Y		90° 15'		
	10	W		90° 15'		
	11	R	8:41	89° 35'		
	12	Y		90° 00'		
"	13	W		91° 15'		
	14	Y		90° 25'		
	15	W		90° 25'		
460'	16	R	8 45	90° 30'		
	17	Y		89° 40'		
	18	W		90° 50'		
"	19	Y		90° 30'		

ON 460' OFFSET TO LEFT.

Range

Profile Notes Red. Plotted H. U. M. H. Job No. 8472 Division No.
No. Date Date 12-4-48 Survey of Bagdad Erection
X-Sec. Notes Chkd. Checked Survey by [illegible] H. H. R. Date 10-29-48
No. Date Date Map No. Drawn Johnson Date
F.B. 1/50 Pg. 113

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	
68	N-1"	1	R	8:55	90° 50'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 20'		
(N)		3	W		90° 00'		
		4	Y		90° 25'		
		5	W		90° 20'		
		6	R	9:00	90° 05'		
	=	7	Y		90° 40'		
		8	W		90° 30'		
	=	9	Y		90° 20'		
		10	W		89° 50'		
		11	R	9:05	90° 20'		
		12	Y		89° 20'		
	=	13	W		89° 45'		
		14	Y		90° 05'		
		15	W		90° 15'		
	460'	16	R	9:11	90° 20'		
		17	Y		89° 45'		
		18	W		89° 55'		
	=	19	Y		90° 15'		
		20	W		89° 20'		

Range 68+00 (N) ON 460 OFFSET TO LEFT.

F.B. 561 PG. 114

Job No. 84426 Division No. _____ Notes Red. _____ Plotted H. U. M. H. Profile

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

Survey by Meineck Notes HHR 10-29-48 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.		
Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks	
60+00 ~~[illegible]~~	1	R	8:21	108 35	Range Line 66+00	(N)
(N) ~~(N)~~	2	Y		110 05		
N-1	3	W		112 05		
	4	Y		114 35		
	5	W		116 40		
	6	R	8:31	119 40		
	7	Y		124 00		
	8	W		127 40		
	9	Y		135 25		
	10	W		138 15		
	11	R	8:41	142 30		
	12	Y		145 50		
	13	W		148 40		
	14	Y		149 40		
	15	W		151 25		
	16	R	8:45	153 00		
	17	Y		154 15		
	18	W		156 25		
	19	Y		157 10		

Offset Line 460' to The Left

Cut-in 66+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1501 Pg. 115

X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion

Notes Chkd ____ Checked ____ Survey by Kleinpeck Notes G. O. Date 10-29-48

No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson 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	
60+00	~~600+00~~	1	R	8:55	163° 45'	Range Line 68+00	(N)
(N)	~~(N)~~	2	Y		163 10	Going out	
	"N-1"	3	W		162 10		
		4	Y		161 30		
		5	W		159 55		
		6	R	9:00	159 15		
		7	Y		158 30		
	"	8	W		157 10		
		9	Y		155 40		
	"	10	W		154 50		
	"	11	R	9:05	152 30		
		12	Y		149 45		
	"	13	W		146 10		
		14	Y		143 35		
	"	15	W		139 50		
		16	R	9:11	133 50		
	"	17	Y		130 10		
		18	W		126 40		
		19	Y		121 10		
		20	W		117 00		

Cut-in 68+00 (N)
Offset line 460' to the left

F.B. 601 PG. 116
Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No. X-Sec.
Survey by Kleineck Notes G.O. 10-29-48 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.

Profile Notes Red 7M 3. Plotted M.U.M.H. Job No. 8412 Division No. 1 F.B. 1/6 Pg. 112
No. Date 11-26-48 Date 12- Survey of Beach Erosion Name TMB Date
X-Sec. Notes Chkd. Checked Survey by Richard Johnson Initials J. Johnson Date
No. Date Date Map No. Date

STATION #	Color	B. S. – Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
			34 2				
1	R	~~8:21~~	32 7	33.2	57	27.5	RANGE LINE 66+00 (N)
2	Y	7:21	32 5				10/29/48
			31 3	31.7	57	26.0	
3	W		31 1				
			29 1	30.1	57	24.4	
4	Y		30 0				
			28 0	28.7	57	23.0	
5	W		29 2				
			27 1	27.8	57	22.1	
6	R	~~8:27~~	27 6				
			26 2	26.7	57	21.0	
7	Y	7:31	26 5				
			24 5	25.1	57	19.4	
8	W		25 6				
			23 4	24.1	57	18.4	
9	Y		23 6				
			22 0	22.5	57	16.8	
10	W		23 0				
			21 0	21.7	57	16.0	
11	R	~~8:41~~	22 0				
			19 9	20.6	56	15.0	
12	Y	7:41	19 8				
			18 3	18.8	56	13.2	
13	W		18 3				
			17 1	17.5	56	11.9	
14	Y		16 4				
			15 5	15.8	56	10.2	
15	W		14 5				
			13 2	13.6	56	8.0	
16	R	~~8:45~~	12 8				
			11 1	11.7	56	6.1	
17	Y	7:45	10 5				
			9 8	10.0	56	4.4	
18	W		9 0				
			7 8	8.2	56	2.6	
19	Y		7 5				
			5 8	6.2	56	0.6	

Boat
66+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	~~8:55~~	6 7 / 4 9	55	55	0.0	RANGE LINE 68+00 (N) 10/29/48
2	Y	7:55	6 8 / 5 5	59	55	0.4	
3	W		8 0 / 6 3	69	55	1.4	
4	Y		9 4 / 8 0	85	55	3.0	
5	W		11 5 / 10 0	105	55	5.0	
6	R	~~9:00~~	12 5 / 11 3	117	55	6.2	
7	Y	8:00	14 2 / 12 5	131	55	7.6	
8	W		16 4 / 14 5	151	55	9.6	
9	Y		17 8 / 16 7	171	55	11.6	
10	W		18 9 / 17 0	176	55	12.1	
11	R	~~9:05~~	20 2 / 18 2	189	54	13.5	
12	Y	8:05	21 5 / 20 1	206	54	15.2	
13	W		23 5 / 22 0	225	54	17.1	
14	Y		24 0 / 22 5	230	54	17.6	
15	W		24 0 / 22 8	232	54	17.8	
16	R	~~9:11~~	26 3 / 23 8	246	53	19.3	Boot 68+00 (N)
17	Y	8:11	26 5 / 25 3	257	53	20.4	
18	W		27 8 / 26 1	267	53	21.4	
19	Y		29 6 / 27 6	283	53	23.0	
20	W		31 6 / 30 2	307	53	25.4	

F.B. 155 Pg. 118

Job No. 8412 Division No. ✓ Notes Red. M. J. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date 11-26-48 Date 12-48 No. X-Sec.

Survey by Kleineck Notes M-B 10-29-48 Notes Chkd. Checked No.

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 70 "N-1" On +00 N	#	Color	Time	Hor. Ang.	Remarks	
	1	R	9:34	90°00'	RANGE LINE ∡ = 90°	
	2	Y		90°00'		
	3	W		89°50'		
	4	Y		90°00'		
	5	W		90°10'		
=	6	R	9:42	89°55'		
	7	Y		89°45'		
=	8	W		90°10'		
	9	Y		90°15'		
	10	W		90°00'		
=	11	R	9:48	90°05'		
	12	Y		90°20'		
	13	W		90°25'		
	14	Y		90°10'		
	15	W		90°35'		
460'	16	R	9:52	90°00'		
	17	Y		90°50'		
=	—					

ON 460' OFFSET TO LEFT.

Range 70+00 (N)

Profile Notes Red ✓ Plotted H. U. M. K. Job No. 8412 Division No.
No. Date 12-48 Survey of Bend Erosion
X-Sec. Notes Chkd. Checked Survey by [illegible] Notes H.H.R. Date 10-29-48
No. Date Date Map No. Indexed Tabulated Date

F.B. 1501 Pg. 119

F.B. 1501 Pg. 120 | Job No. 8412 | Division No. | Notes Red. | Plotted H. U. M. H. | Profile

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

Survey by Meineck | Notes HH, 10-29-48 | 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

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 72+00 (N) On "N-1"					
ON 460' OFFSET TO LEFT.					
" 460' " " "					

#	Color	Time	Hor. Ang.
1	R	10:01	90° 20'
2	Y		89° 05'
3	W		90° 00'
4	Y		90° 00'
5	W		90° 20'
6	R	10:07	90° 00'
7	Y		90° 00'
8	W		90° 15'
9	Y		90° 25'
10	W		90° 00'
11	R	10:12	90° 00'
12	Y		90° 20'
13	W		89° 45'
14	Y		90° 10'
15	W		90° 00'
16	R	10:22	90° 10'
17	Y		90° 00'
18	W		90° 20'

(out)

Range 72+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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
60+00	600+[illegible]	1	R	9:34	128 30	Range Line 70+00	(N)
(N)	(N)	2	Y		126 15		
	"N-1"	3	W		129 55		
		4	Y		135 15		
		5	W		139 20		
		6	R	9:42	143 55		
		7	Y		149 45		
	"	8	W		152 15		
	"	9	Y		155 00		
	"	10	W		157 15		
	"	11	R	9:47	158 30		
	"	12	Y		160 10		
	"	13	W		161 50		
	"	14	Y		163 00		
	"	15	W		163 40		
	"	16	R	9:51	164 50		
	"	17	Y		166 40		

Offset Line 460' To The Left

Cut-in 70+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. M. Job No. [illegible] Division No. ____ F.B. 1501 Pg. 121

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

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

No. ____ Date ____ Date ____ Map No. ____ Checked [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	
60+00	~~600+00~~	1	R	10:00	168 05	Range Line 72+00	(N)
(N)	~~(N)~~	2	Y		167 25		
	"N-1"	3	W		166 50		
		4	Y		166 10		
		5	W		164 50		
		6	R	10:07	164 05		
		7	Y		162 20		
	"	8	W		160 50		
	"	9	Y		159 40		
	"	10	W		158 25		
	"	11	R	10:12	156 00		
	"	12	Y		153 00		
		13	W				
		14	Y		143 00	(13 out)	
	"	15	W		136 00		
		16	R	10:22	132 25		
	"	17	Y		130 20		
		18	W		125 45		

Cut-in 72+00 (N) Offset Line 460' To The Left

F.B. 1501 Pg. 122

Job No. 8412 Division No. ____ Notes Red. ____ Plotted H. U. M. H. Profile

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

Survey by Kleineck Notes 4.0. 10-29-48 Notes Chkd. ____ Checked ____ X-Sec.

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 #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
			30.2				
1	R	~~9:34~~	29.6	29.8	50	24.8	RANGE LINE 70+00 (N)
			28.3				
2	Y	8:34	28.0	28.4	50	23.4	10/29/48
			27.5				
3	W		26.5	26.8	50	21.8	
			26.1				
4	Y		25.0	25.4	49	20.5	
			24.5				
5	W		23.9	24.1	49	19.2	
			24.2				
6	R	~~9:42~~	22.5	23.1	48	18.3	
			22.9				
7	Y	8:42	21.2	21.8	48	17.0	
			21.7				
8	W		20.3	20.8	48	16.0	
			20.3				
9	Y		19.3	19.6	48	14.8	
			19.0				
10	W		17.8	18.2	48	13.4	
			17.6				
11	R	~~9:47~~	16.2	16.7	47	12.0	
			16.3				
12	Y	8:47	15.1	15.5	47	10.8	
			14.3				
13	W		13.2	13.6	47	8.9	
			12.0				
14	Y		10.7	11.1	47	6.4	
			11.0				
15	W		9.2	9.8	47	5.1	
			9.3				
16	R	~~9:51~~	7.9	8.4	46	3.8	
			8.3				
17	Y	8:51	5.5	6.4	46	1.8	
~~18~~	~~W~~						
~~19~~	~~Y~~						
~~20~~	~~W~~						

Profile No. _____ Date 11-26-48 Notes Red 77-3 Plotted H.U.M.H. Job No. 8913 Division No. V F.B. 1619 PG 129
X-Sec. _____ Date 12-1-48 Notes Ckd _____ Checked _____ Date _____ Survey of Beach Erosion Survey by Blackwell Notes Ckd Date
Map No. _____ Checked Johnson Date

Book
70+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 01~~	7.3 5.3	6 0	44	1.6	Range Line 72+00 (N)
2	Y	9:01	7.9 6.0	6 6	44	2.2	Boat Going Out
3	W		10.9 7.2	8 5	44	4.1	10/29/48
4	Y		10.5 9.1	9 6	43	5.3	sharp break
5	W		13.5 12.9	13 1	43	8.8	
6	R	~~10 07~~	14.4 13.3	13 7	42	9.5	
7	Y	9:07	17.3 15.2	15 9	42	11.7	
8	W		18.4 16.9	17 4	42	13.2	
9	Y		19.8 18.1	18 7	42	14.5	
10	W		20.1 19.2	19 5	42	15.3	
11	R	~~10 12~~	21.5 20.5	20 8	41	16.7	
12	Y	9:12	22.3 21.0	21 4	41	17.3	
13	~~W~~		23.8 ~~22.5~~	~~22 9~~	41		(out)
14	Y		24.7 23.7	24 0	40	20.0	
15	W		26.5 25.0	25 5	40	21.5	
16	R	~~10 22~~	28.4 27.0	27 5	39	23.6	
17	Y	9:22	28.3 28.0	28 1	39	24.2	
18	W	~~10 28~~	31.3 29.8	30 3	38	26.5	Boat 72+00 (N) End of Line
~~19~~	~~Y~~	9:28					
~~20~~	~~W~~						

F.B. 150 Pg. 124 Job No. 8412 Division No. V Notes Red. M. J. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 11-26-48 Date 12- -48 No. X-Sec.
Survey by Kleineck Notes RJM 10-29 Notes Chkd. Checked No.
Indexed by 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	
74 N-1"	1	R	10:42	90°00'	RANGE LINE ∡ = 90°	
+00	2	Y		89°55'		
(N)	3	W		89°20'		
	4	Y		89°30'		
	5	W		89°20'		
=	6	R	10:50	89°25'		
	7	Y		89°45'		
	8	W		89°45'		
=	9	Y		89°45'		
	10	W		90°10'		
	11	R	10:59	90°05'		
=	12	Y		89°40'		
	13	W		90°10'		
	14	Y		90°00'		
	15	W		89°10'		
460'	16	R	11:04	90°20'		
	17	Y		90°00'		
	18	W		89°30'		
=						

ON 460' OFFSET TO LEFT.

Range 74+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1151 Pg. 125
X-Sec. ____ Date ____ Date 12-48 Survey of Beach Expr 107
Notes Chkd. ____ Checked ____ Survey by [illegible] Division HHR Date 10-29-48
No. ____ Date ____ Date ____ Map No. ____ Indexed Job [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	
76 N-1"	1	R	11:15	89° 40'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 40'		
(N)	3	W		89° 30'		
	4	Y		90° 40'		
	5	W		90° 00'		
	6	R	11:20	90° 25'		
"	7	Y		90° 40'		
	8	W		90° 05'		
	9	Y		90° 05'		
"	10	W		89° 45'		
	11	R	11:26	89° 55'		
	12	Y		89° 50'		
"	13	W		89° 45'		
	14	Y			Av. 89.47	
	15	W		89° 50'		
460'	16	R	11:35	90° 15'		
	17	Y		90° 10'		
	18	W		90° 55'		
"	19	Y		89° 45'		

Range 76+00 (N) ON 460' OFFSET TO LEFT.

F.B. 150/PG. 126 Job No. 8426 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Maurice Notes HHR 10-29-48 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		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
60+00	600+00	1	R	10:41	128° 40'	Range Line 74+00	(N)
(N)	(N)	2	Y		130 35		
	"N-1"	3	W		133 15		
		4	Y		136 50		
		5	W		140 20		
		6	R	10:50	144 45		
		7	Y		150 05		
	"	8	W		155 40		
	"	9	Y		157 40		
	"	10	W		161 50		
	"	11	R	10:58	163 10		
	"	12	Y		164 40		
	"	13	W		165 35		
	"	14	Y		166 30		
	"	15	W		166 45		
	"	16	R	11:04	167 25		
	"	17	Y		168 20		
		18	W		168 50		

Offset Line 460' To The Left

Cut-in 74+00 (N)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8416 Division No. ____ Date ____ Date 12-48 Survey of Beach Erosion

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

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

F.B. 150/Pg. 127

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	
60+00	~~600+00~~	1	R	11:15	178° 50'	Range Line 76+00	(N)
(N)	~~(N)~~	2	Y		169 50		
	"N-1"	3	W		169 00		
		4	Y		168 40		
		5	W		168 15		
		6	R	11:19	167 40		
		7	Y		166 45		
		8	W		165 45		
		9	Y		164 50		
		10	W		162 50		
		11	R	11:25	160 00		
		12	Y		157 25		
		13	W		154 00		
		14	Y		150 30		
		15	W		146 20		
		16	R	11:35	143 20		
		17	Y		140 30		
		18	W		137 30		
		19	Y		133 10		

Cut-in 76+00 (N)

Offset Line 460' To The Left

F.B. 1801 PG. 128

Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile

Survey of Beach Erosion Date 12-48 No. X-Sec.

Survey by Kleineck Notes B.O. 10-29-10 Checked No.

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.

Profile No. ____ Notes Red 7M 3 Plotted H. U. M. H. Job No. Fulton Division No. ____ F.B. 1/10 Pg. 124
Date 11-26-48 Date 12-[illegible] Survey of Beach Erosion Date 10-29-48
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by Beach Erosion Chief Proj. Engr. Date ____
Date ____ Date ____ Map No. ____ Proj. Engr. Date ____

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks	
			315					
1	R	~~10:47~~	303	307	35	27.2	Range Line 74+00 (N)	
2	Y	9:42	305	298	35	26.3	Going In.	
			294					
3	W		274	281	35	24.6		
			273					
4	Y		259	264	34	23.0		
			268					
5	W		255	252	34	21.8		
			245					
6	R	~~10:49~~	230	235	33	20.2		
			233					
7	Y	9:49	210	218	33	18.5		
			217					
8	W		205	209	33	17.6		
			212					
9	Y		190	197	32	16.5		
			188					
10	W		179	181	32	14.9		
			176					
11	R	~~11:00~~	168	171	31	14.0		
			168					
12	Y	10:00	148	152	31	12.1		
			143					
13	W		133	136	31	10.5		
			127					
14	Y		116	120	31	8.9		
			123					
15	W		109	114	31	8.3	Trough Break	
			114					
16	R	~~11:02~~	95	101	30	7.1		
			85					
17	Y	10:04	68	71	30	4.1		
			78					
18	W	~~11:06~~	57	62	30	3.3		
		10:06						

Boat ft
74+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. 16 Pg. 130 | Job No. 8417 | Division No. | Notes Red. M.T. | Date 11-26-48 | Plotted H.U.M.H. | Date 12-68 | Profile No. | X-Sec. No.

Survey of Beach Erosion | Notes | Date | Notes Chkd. | Checked | Date | No.

Survey by Hourcart | Notes E.M. | Date 10-24-48

Indexed C. Johnson | Date | Date

STATION #	Color	Time	B.S.	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:15~~		68 3.2	44	28	1.6	Range Line 76+00(N)
2	Y	10:15		92 60	71	28	4.3	Going Out.
3	W			108 80	89	28	6.1	
4	Y			114 94	101	28	7.3	
5	W			120 105	110	28	8.2	
6	R	~~10:19~~		140 125	123	27	9.6	
7	Y	10:19		149 132	138	27	11.1	
8	W			160 150	153	27	12.6	
9	Y			172 160	164	27	13.7	
10	W			190 175	180	27	15.3	
11	R	~~10:26~~		209 193	198	26	17.2	
12	Y	10:26		210 200	203	26	17.7	
13	W			220 210	213	26	18.7	
14	Y			230 223	225	26	19.9	
15	W			243 235	238	26	21.2	
16	R	~~10:34~~		253 245	248	25	22.3	
17	Y	10:34		265 255	258	25	23.3	
18	W			278 265	269	25	24.4	
19	Y			294 285	288	25	26.3	

Boat 76+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	
78+00	70	1	R	7:53	90° 20'	RANGE LINE ∡ = 90°	
(N)	+00	2	Y		90° 20'		
	(N)	3	B		90° 20'		
		4	Y		90° 25'		
		5	B		90° 10'		
	=	6	R	7:56	90° 15'		
		7	Y		90° 15'		
		8	B		90° 10'		
	=	9	Y		90° 05'		
		10	B		89° 50'		
		11	R	8:01	90° 00'		
	=	12	Y		89° 55'		
		13	B		90° 20'		
		14	Y		90° 00'		
		15	B		89° 50'		
ON 460' OFFSET TO LEFT.	460'	16	R	8:12	90° 05'		
	=						

Range 78+00 (N)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 84126 Division No. ____ F.B. 501 Pg. 131
X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] HHR Date 11-1-48
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.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
80	70	1	R	8:26	90° 15'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 20'		
(N)	(N)	3	B		90° 00'		
		4	Y		89° 30'		
		5	B		90° 05'		
		6	R	8:36	89° 50'		
	"	7	Y		90° 15'		
		8	B		90° 00'		
		9	Y		90° 00'		
	"	10	B		89° 50'		
		11	R	8:47	90° 05'		
		12	Y		90° 50'		
	"	13	B		90° 40'		
		14	Y		90° 20'		
		15	B		91° 15'		
		16	R	8:50	90° 20'		
	460'	17	Y		89° 45'		
		1					
	"						

Range 80+00 (N)
ON 460 OFFSET TO LEFT.

F.B. 60 PG. 132
Job No. 8417 Division No. ____ Notes Red. ____ Plotted H. U. M. H. Profile
Survey of Beach Erosion Date ____ Date 12-1-48 No. ____
Survey by Meineck Notes HHR 11-1-48 Notes Chkd. ____ Checked ____ X-Sec.
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		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
72+00	N-1	1	R	~~8:09~~ 7 53	155°06	Range Line 78+00 (N)	
(N)		2	Y		152 50	Note: Going out	
		3	B		152 15		
		4	Y		151 05		
		5	B		148 10		
		6	R	~~8:12~~ 7 56	149 25	o.k.	
		7	Y		145 45		
	"	8	B		142 40		
	"	9	Y		140 30		
	"	10	B		137 50		
	"	11	R	8:~~17~~ 01	127 30		
	"	12	Y		121 10		
	"	13	B		117 35		
	"	14	Y		114 50		
	"	15	B		111 40		
	"	16	R	8:~~28~~ 12	109 15		

Offset Line 460' To The Left

Cut-in 78+00 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M. Job No. 8412 Division No. ____
X-Sec. ____ Date 12-48 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by [illegible] Date 11-1-48
Map No. ____ Date ____ Andrew Jackson Date ____

F.B. 650 Pg. 153

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	
72+00	N-1	1	R	~~8:41~~ 826	116° 15'	Range Line	80+00 (N)
(N)		2	Y		119 00		
		3	B		120 30		
		4	Y		124 25		
		5	B		130 45		
		6	R	~~8:52~~ 836	133 45		
		7	Y		137 25		
	"	8	B		144 40		
	"	9	Y		148 45		
	"	10	B		152 15		
	"	11	R	~~9:03~~ 847	154 00		
	"	12	Y		155 50		
	"	13	B		156 15		
	"	14	Y		157 25		
	"	15	B		158 45		
	"	16	R	~~9:06~~ 850	159 35		
	"	17	Y		162 05		

Cut-in 80+00 (N)
Offset Line 460' To The Left

F.B. 1101 Pg. 134 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No. X-Sec.
Survey by Kleineck Notes G.O. 11-1-48 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.

Profile No. ____ Notes Red 79.3 Plotted H.U.M.M. Job No. 8412 Division No. K
Date 11-26-68 Date 12-[illegible]-68 Survey of Beach Erosion
X-Sec. ____ Notes Chkd ____ Checked ____ Survey by [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Transcr. [illegible] Date ____

STATION #	Color	B. S. – Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:52~~	~~9.5~~ 9.0	85✓	57	2.8	Range Line 78400(N)
2	Y	6:52	11.7				
			9.5	102✓	57	4.5	
3	B		12.2				
			11.0	114✓	57	5.7	
4	Y		14.2				
			12.8	133✓	57	7.6	
5	B		15.5				
			14.0	165✓	57	10.8	
6	R	~~7:55~~	16.5				
			14.3	150✓	58	9.2	O.K Boat backed up.
7	Y	6:55	20.0				
			19.9	185✓	58	12.7	
8	B		21.7				
			19.3	201✓	58	14.3	
9	Y		22.0				
			20.8	212✓	58	15.4	
10	B		23.8				
			22.6	229✓	58	17.1	
11	R	~~8:00~~	24.7				
			24.5	252✓	59	19.3	
12	Y	7:00	25.5				
			25.1	256✓	59	19.7	
13	B		26.2				
			27.5	281✓	59	22.2	
14	Y		29.2				
			28.3	289✓	59	23.0	
15	B		31.3				
			30.1	305✓	60	24.5	
16	R	~~8:10~~	34.0				
			32.4	329✓	61	26.8	
		7:10					

Boat

78400(N)

F.B. 86/[illegible]

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. 10 Pg. 136 | Job No. 8417 Division No. | Notes Red M. T. Plotted H.U.M.H. Profile | Survey of Bay of Marina | Date 11-26-48 Date 12-48 No. X-Sec. | Survey by Alexander Notes Chkd. Checked | Notes Hydrography 11-1-48 Date Date No. | Indexed C. Jaimanson Date Date

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks	
1	R	~~8:24~~	33 7	32	63	25.9	Range line 80+00 (N)	
			31 5					
2	Y	9:24	30 4	308	63	24.5		
			30 4					
3	B		29 2	296	63	23.3		
			29 2					
4	Y		27 8	283	64	21.9		
			27 3					
5	B		25 8	263	64	19.9		
6	R	~~8:34~~	26 3	254	65	18.9		
			25 0					
7	Y	9:34	25 5	241	65	17.6		
			23 8					
8	B		22 0	226	65	16.1		
			22 6					
9	Y		21 0	215	65	15.0		
			21 3					
10	B		18 5	194	65	12.9		
			18 5					
11	R	~~8:44~~	17 7	183	65	11.8		
			17 2					
12	Y	9:46	15 5	161	66	9.5		
			16 0					
13	B		13 7	145	66	7.9		
			14 5					
14	Y		11 8	127	66	6.1		
			11 5					
15	B	7:49	10 0	105	66	3.9		
			10 2					
16	R	~~8:49~~	9 5	97	67	3.0		
			9 5					
17	Y	~~8:50~~	7 0	78	67	1.1		
		7:50						

Boat
80+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	
82	70	1	R	9:00	90°45'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90°10'		
(N)	(N)	3	B		90°50'		
		4	Y		90°00'		
	=	5	B		90°20'		
		6	R	9:03	90°35'		
		7	Y		90°00'		
	=	8	B		90°20'		
		9	Y		89°25'		
		10	B		89°30'		
		11	R	9:08	89°50'		
	=	12	Y		89°35'		
		13	B		90°15'		
		14	Y		89°50'		
		15	B		89°50'		
		—					
	=						

ON 460' OFFSET TO LEFT

Range 82+00(N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. [illegible] Division No. ____ Date 12-[illegible]-48 Survey of [illegible] Survey by [illegible] Date 11-1-48

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

F.B. 1501 PG. 137

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	
84	70	1	R	9:42	90° 00'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		89° 55'		
(N)	(N)	3	B		89° 40'		
		4	Y		89° 30'		
		5	B		89° 40'		
		6	R	9:52	89° 55'		
		7	Y		89° 45'		
	=	8	B		89° 20'		
		9	Y		89° 45'		
		10	B		89° 55'		
	=	11	R	9:59	90° 15'		
		12	Y		90° 20'		
	=	13	B		90° 55'		
		14	Y		90° 10'		
		15	B		90° 20'		
	460'	16	R	10:03	90° 25'		
		17	Y		90° 25'		
		18	B		90° 25'		
	=	19	Y		90° 35'		

Range 84+00 (N) ON 460 OFFSET TO LEFT.

F.B. 150 PG. 138 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-1-48 No. X-Sec.
Survey by Maneck Notes H HR 11-1-48 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. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
72+00	N-1	1	R	9:~~15~~ 00	164° 25'	Range Line 82+00	(N)
(N)		2	Y		162 50	Note: Going out	
		3	B		162 00		
		4	Y		161 15		
		5	B		160 30		
		6	R	9:~~19~~ 03	158 45		
	"	7	Y		157 05		
	"	8	B		154 55		
	"	9	Y		151 05		
	"	10	B		144 10		
	"	11	R	9:~~24~~ 08	139 10		
	"	12	Y		134 20		
	"	13	B		129 35		
	"	14	Y		125 35		
	"	15	B		121 40		

Offset Line 460' To the Left

Cut-in 82+00 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8112 Division No. ____ F.B. 16/Pg. 139
No. ____ Date ____ Date 12-98 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Kleinecke Notes Rec'd ____ Date Nov 48
No. ____ Date ____ Date ____ Map No. ____ Indexed Jan 1950 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	
78+00	N-1	1	R	9 43	110° 15'	Range Line	84+00 (N)
(N)		2	Y		115 55		
		3	B		118 50		
		4	Y		121 10		
		5	B		124 15		
		6	R	~~10:14~~ 9 54	127 05		
	"	7	Y		131 35		
	"	8	B		132 50		
	"	9	Y		134 50		
	"	10	B		138 45		
	"	11	R	10:~~20~~ 00	141 40		
	"	12	Y		143 50		
	"	13	B		145 30		
	"	14	Y		146 40		
	"	15	B		148 40		
	"	16	R	10:~~24~~ 04	149 30		
		17	Y		150 40		
		18	B		151 15		
		19	Y		154 00		

Cut-in 84+00 (N) Offset line 460' To the Left

F.B. 160 PG. 140 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kleineck Notes 4.0 11-1-48 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.

Profile No. _____ Notes Red Ink X Plotted H.U.M.H. Job No. 54-72 Division No. _____ F.B. 8161 Pg. 141
Date 11-26-48 Date 12-[illegible]-48 Survey of Beach Erosion
X-Sec. _____ Notes Chkd. _____ Checked _____ Survey by [illegible]
No. _____ Date _____ Date _____ Map No. _____ Indexed Index Date _____

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:57~~	180				
			75	83	67	1.6	Range line 82+00 (N)
2	Y	7:57	110				
			94	99	67	3.2	
3	B		108	116	67	4.9	
4	Y.		145	131	67	6.4	
			125				
5	B		143	149	67	8.2	
			177				
6	R	~~8:01~~	168	174	68	10.6	
7	Y	8:01	208				
			190	193	68	12.5	
8	B		220				
			205	210	68	14.2	
9	Y		240				
			220	232	68	16.4	
10	B		255				
			245	248	68	18.0	
11	R	~~8:07~~	272				
			260	264	68	19.6	
12	Y	8:07	283				
			272	276	68	20.8	
13	B		296				
			290	292	68	22.4	
14	Y		309				
			303	305	68	23.7	
15	B		325				
			317	323	68	25.5	
16	R						

Boat
82+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.

F.B. 160 Pg. 142 Job No. 842 Division No. ____ Notes Bkd. TM Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 11-26-48 Date 12-48 No. 46 No. ____ X-Sec.
Survey by Alexander Notes Hallsey 11-1-48 Notes Chkd. ____ Checked ____
Indexed by C. Johnson Date ____ Date ____ No. ____

STATION #	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~7:40~~	33 8	325	68	25.7	RANGE LINE 84+00 (N)
2	Y	8:40	29 0	293	68	22.5	
3	B		29 2	279	68	21.1	
4	Y		27 2	265	68	19.7	
5	B		26 0	267	68	19.9	
6	R	~~9:50~~	26 3	253	67	18.6	
7	Y	8:50	24 0	241	67	17.4	
8	B		23 3	233	67	16.6	
9	Y		23 3	233	67	16.6	
10	B		22 5	222	67	15.5	
11	R	~~9:56~~	20 2	207	67	14.0	
12	Y	8:56	19 5	194	67	12.7	
13	B		18 8	186	67	11.9	
14	Y		17 8	171	67	10.4	
15	B		15 0	150	67	8.3	
16	R	~~10:00~~	13 3	133	66	6.7	Boat 84+00 (N)
17	Y	9:00	11 5	115	66	4.9	
18	B		10 3	103	66	3.7	
19	Y		8 6	86	66	2.0	

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	
86	70	1	R	10:17	91° 30'	RANGE LINE ∡ = 90°	
+00	+00	2	Y		90° 40'		
(N)	(N)	3	B		90° 40'		
		4	Y		89° 55'		
		5	B		90° 00'		
	=	6	R	10:22	90° 15'		
		7	Y		90° 20'		
		8	B		90° 35'		
	=	9	Y		90° 00'		
		10	B		90° 00'		
		11	R	10:27	90° 20'		
		12	Y		90° 00'		
	=	13	B		89° 45'		
		14	Y		89° 55'		
		15	B		90° 15'		
		16	R	10:37	89° 40'		

ON 460' OFFSET TO LEFT

ON 460'

Range 86+00 (N)

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F.B. 450 PS. 1/45

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date 12-1-48 Survey of Beach Erosion Survey by [illegible] HHR 11-1-48

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. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
88 "N-2"	1	R	10:51	89° 00'	RANGE LINE ∡ = 90°	
+00	2	Y		89° 40'		
(N)	3	B		90° 40'		
	4	Y		90° 00'		
	5	B		90° 10'		
	6	R	11:01	89° 55'		
	7	Y		89° 25'		
	8	B		89° 55'		
	9	Y		91° 15'		
	10	B		89° 15'		
	11	R	11:07	90° 00'		
	12	Y		90° 45'		
	13	B		89° 45'		
	14	Y		91° 00'		
	15	B		90° 30'		
	16	R	11:11	91° 50'		

ON 560' OFFSET TO LEFT.

Range 88+00 (N)

F.B. 1/50 PG. 144 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No. X-Sec.
Survey by Maurice Notes HHR 11-1-48 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		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
78+00	N-1	1	R	10:~~39~~ 17	168 06	Range Line 86+00	(N)
(N)		2	Y		158 25	Note: Going out	
		3	B		157 10		
		4	Y		155 10		
		5	B		155 35	ok.	
	"	6	R	10:~~44~~ 22	153 50		
		7	Y		152 55		
	"	8	B		151 10		
	"	9	Y		147 35		
	"	10	B		143 15		
	"	11	R	10:~~48~~ 26	138 45		
	"	12	Y		133 35		
	"	13	B		130 15		
	"	14	Y		124 25		
	"	15	B		120 30		
		16	R	10:~~59~~ 37	117 05		

Offset Line 460' To The Left

Cut-in 86+00 (N)

Profile Notes Red. Plotted H.U.M.H. Job No. 8412 Division No.
No. Date 12-48 Survey of Beach Erosions
X-Sec. Notes Chkd. Checked Survey Notes Date 11-1-48
No. Date Date Map No. Indexed Date

F.B. 461 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		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
82+00	N-1	1	R	~~11:12~~ 10 50	108° 15'	Range Line 88+00	(N)
(N)		2	Y		111 00		
		3	B		114 30		
		4	Y		118 05		
		5	B		123 05		
		6	R	11:~~22~~ 00	127 55		
	"	7	Y		134 00		
		8	B		139 20		
	"	9	Y		142 00		
	"	10	B		142 10		
	"	11	R	11:~~29~~ 07	144 50		
	"	12	Y		146 25		
		13	B		147 50		
	"	14	Y		149 20		
		15	B		150 25		
	"	16	R	11:~~32~~ 10	154 10		

Cut-in 88+00 (N)
Offset Line 460' To the Left

F.B. 150/PG. 146
Job No. 12 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kleineck Notes W.O. N-1-48 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 IN 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	~~10:15~~	100 8 0	87✓	65	2.2	RANGE LINE 86+00 (N)
2	Y	9:15	10 9 8 2	97✓	65	3.2	
3	B		12 10 0 3	109✓	65	4.4	
4	Y		14 12 6 2	130✓	65	6.5	
5	B		14 13 0 9	135✓	65	7.0	
6	R	~~10:20~~	16 15 7 5	159✓	64	9.5	
7	Y	9:20	18 17 5 5	178✓	64	11.4	
8	B		20 19 3 3	196✓	64	13.2	
9	Y		23 20 2 5	214✓	64	15.0	
10	B		23 22 7 8	231✓	64	16.7	
11	R	~~10:25~~	25 24 5 0	245✓	64	18.1	
12	Y	9:25	26 25 3 7	259✓	64	19.5	
13	B		27 26 0 5	267✓	64	20.3	
14	Y		29 28 2 0	284✓	64	22.0	
15	B		30 29 5 5	298✓	64	23.4	
16	R	~~10:35~~	32 30 8	314✓	63	25.1	
17	Y	9:35					
18	B						

Profile No. ____ Date 11-26-48 Notes Red Plotted M.U.M.M. Job No. 8444 Division No. ____ Date 12-__-48 Survey of Beach Erosion
X-Sec. Note Chkd. ____ Date ____ Checked ____ Date ____ Map No. ____ Tracing Date ____

F.B. 110/Pg. 147

86+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.

F.B. 801 PG. 148 Job No. 842 Division No. Notes Rcd. Date Notes Chkd. Date Plotted H.U.M.H. Date 12-4-48 Checked Date Profile No. X-Sec. No.

Survey of Beach Erosion Notes S.H. 11-1-48

Survey by Merrect Notes

Indexed G. Jakowski Date

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:48~~	32.7 ~~30.7~~	314	60	25.4	RANGE LINE 88+00(N)
2	Y	9:48	30.8 29.1 29.4	297	60	23.7	
3	B		27.7	284	60	22.4	
4	Y		28.0 26.3 27.3	269	60	20.9	
5	B		24.6 25.0	255	60	19.5	
6	R	~~10:58~~	23.0 24.0	237	59	17.8	
7	Y	9:58	22.8 22.7	225	59	16.6	
8	B		17.2 19.5	204	59	14.5	
9	Y		18.0 19.1	185	59	12.6	
10	B		16.8 16.3	176	59	11.7	
11	R	~~11:05~~	15.2 15.5	156	58	9.8	
12	Y	10:05	13.4 12.5	141	58	8.3	
13	B		11.3 11.0	117	58	5.9	
14	Y		9.8 9.8	102	58	4.4	
15	B		7.9 6.8	84	58	2.6	
16	R	~~11:08~~	4.5	53	57	+0.4	Boat 88+00 (N)
~~17~~	~~Y~~	10:08					
~~18~~	~~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	
90	N-2"	1	R	11:20	85°40'	RANGE LINE ∡ = 90°	
+00		2	Y		91°35'		
(N)		3	B		90°00'		
		4	Y		89°10'		
		5	B		89°25'		
		6	R	11:26	90°10'		
	=	7	Y		90°15'		
		8	B		89°35'		
		9	Y		90°30'		
	=	10	B		89°15'		
		11	R	11:31	89°30'		
		12	Y		90°40'		
	=	13	B		90°25'		
		14	Y		90°15'		
		15	B		89°40'		
	560'	16	R	11:36	89°25'		
		17	Y		89°50'		
		18	B		89°50'		
	=	19	Y		90°00'		
		20	B		89°45'		
		21	R	11:45	89°20'		

ON 560' OFFSET TO LEFT.

Range 90+00 (N)

Profile No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8416 Division No. ____ Date 12-1-48 Survey of Beach Erosion X-Sec. ____ Date ____ Checked ____ Survey by [illegible] NHP Date 11-1-48 No. ____ Date ____ Map No. ____ Indexed Job Drawing Date ____

F.B. 650/Pg. 149

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	
92 "N-2"	1	R	8:07	91° 00'	RANGE LINE ∡ = 90°	
+00	2	B		89° 25'		
(N)	3	W		89° 35'		
	4	B		89° 35'		
	5	W		90° 00'		
=	6	R	8:14	90° 45'		
	7	B		90° 00'		
	8	W		92° 15'		
=	9	B		89° 30'		
	10	W		89° 35'		
	11	R	8:20	89° 45'		
	12	B		91° 25'		
=	13	W		91° 10'		
	14	B		90° 35'		
	15	W		91° 10'		
560'	16	R	8:27	91° 50'		
	17	B		91° 45'	~~91-25~~	
	18	W		90° 25'		
	19	B		90° 25'		
=	20	W		91° 10'		

OFFSET TO LEFT.

Range 92+00 (N)

ON 560'

F.B. 150 / Pg. 150 Job No. 8417 Division No. Notes Red Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Meneck Notes HHR 11-3-48 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	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
82+00 N-1	1	R	11:~~41~~ 20	158° 25'	Range Line 90+00	(N)
(N)	2	Y		158 00	Note: Going out	
	3	B		158 30	o.k.	
	4	Y		156 40		
	5	B		155 15		
	6	R	11:~~48~~ 29	154 40		
"	7	Y		154 15		
	8	B		152 10		
"	9	Y		152 00		
"	10	B		151 05		
	11	R	11:~~53~~ 32	149 35		
"	12	Y		148 30		
	13	B		147 00		
"	14	Y		145 50		
	15	B		141 30		
"	16	R	11:~~57~~ 36	138 10		
	17	Y		133 55		
	18	B		128 05		
	19	Y		123 10		
	20	B	11:45	119 15		
	21	R	[illegible]	115 15		

Offset Line 460' To The Left

Cut-in 90+00 (N)

Profile Notes Red. Plotted H. U. M. H. Job No. [illegible] Division No.
No. Date Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by [illegible] Date 11-1-48
No. Date Date Map No. Indexed Date

F.B. 150 Pg. 151

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

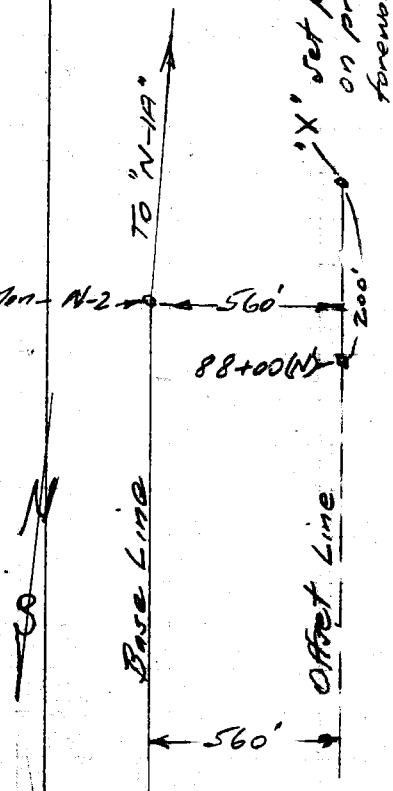
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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
"X" (N)	94+00 (N)	1	R	08:09	340° 5'	RANGE LINE 92+00 (N)
		2	B		338 45	NOTE: GOING OUT
		3	W		337 00	
	"	4	B		334 45	
		5	W		334 20	
		6	R	08:14	333 25	
	"	7	B		332 35	
		8	W		331 20	
	"	9	B		328 35	
		10	W		327 15	
	"	11	R	08 20	324 25	
		12	B		320 50	
		13	W		316 20	
		14	B		312 55	
		15	W		307 15	
	"	16	R	08 28	303 55	
		17	B		300 30	
		18	W		297 55	
		19	B		295 05	
		20	W		293 05	

For "X" See Sketch 560' TO THE LEFT

Cut-in 92+00 (N) OFFSET



F.B. 150/PG. 152 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of BEACH EROSION Date 12-48 No.
Survey by KLEINECK Notes JD 11-3-48 Notes Chkd. Checked 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 Pen Plotted M.U.M.K. Job No. 8402 Division No.
No. Date 11-26-48 Date 12-2 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey By Date 11-24-48
No. Date Date Map No. Checked By J. Gordon Date
F.B. 16 Pg. 153

STATION #	Color	Time	B.S.	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~11:10~~		5	[illegible]	55	0.5	RANGE LINE [illegible] (N)
2	Y	10:18		8	[illegible]	55	1.6	
3	B			8	68✓	55	1.3	
4	Y			9	78✓	55	2.3	
5	B			11	95✓	55	4.0	
6	R	~~11:24~~		10	104✓	54	5.0	
7	Y	10:24		11	120✓	54	6.6	
8	B			13	137✓	54	8.3	
9	Y			14	149✓	54	9.5	
10	B			16	161✓	54	10.7	
11	R	~~11:29~~		16	170✓	53	11.7	
12	Y	10:29		17	181✓	53	12.8	
13	B			18	190✓	53	13.7	
14	Y			19	203✓	53	15.0	
15	B			21	214✓	53	16.1	
16	R	~~11:34~~		22	225✓	52	17.3	
17	Y	10:34		23	237✓	52	18.5	
18	B			25	251✓	52	19.9	
19	Y			26	269✓	52	21.7	
20	B			29	283✓	51	23.2	
21	[illegible]		[illegible]	[illegible]	294✓	50	24.8	

Float 90+00 (N)

F.B. 161 Pg. 154 Job No. 8412 Division No. Notes Red. 7/1/51 Plotted H. U. M. M. Profile
Survey of Beach Erosion Date 11-26-48 Date 12-48 No. X-Sec.
Survey by Marquez Notes MEB 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:00~~	90	7 7v	50	2.7	Range Line 92+00 (N)
			100				
2	B	7:08	79	8 6v	50	3.6	
			105				
3	W		90	9 5v	50	4.5	
			150				
4	B		118	12 9v	50	7.9	
			135				
5	W		125	12 8v	50	7.8	
			160				
6	R	~~8:14~~	140	14 7v	51	9.6	
			162				
7	B	7:14	142	14 9v	51	9.8	
			172				
8	W		160	16 4v	51	11.3	
			193				
9	B		178	18 3v	51	13.2	
			200				
10	W		185	19 0v	51	13.9	
			212				
11	R	~~8:20~~	202	20 8v	52	15.6	
			224				
12	B	7:20	210	21 5v	52	16.3	
			240				
13	W		225	23 0v	52	17.8	
			248				
14	B		238	24 1v	52	18.9	
			280				
15	W		260	26 7v	52	21.5	
			268				
16	R	~~8:28~~	258	26 1v	53	20.8	
			283				
17	B	7:28	268	27 3v	53	22.0	Boat 92+00 (N)
			298				
18	W		278	28 5v	53	23.2	
			312				
19	B		294	30 0v	53	24.7	
			327				
20	W		305	31 2v	53	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	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At " On "	#	Color	Time	Hor. Ang.	Remarks	
94 N-2	1	R	8:49	90° 20'	RANGE LINE ∡ = 90°	
+00	2	B		89° 45'		
(N)	3	W		90° 20'		
	4	B		90° 05'		
	5	W		90° 20'		
=	6	R	9:10	90° 05'		
	7	B		89° 45'		
=	8	W		89° 55'		
	9	B		90° 00'		
	10	W		91° 10'		
=	11	R	9:25	89° 10'		
	12	B		90° 40'		
	13	W		90° 20'		
	14	B		92° 40'		
	15	W		89° 50'		
	16	R	9:29	90° 00'		
	17	B		91° 55'		
	18	W		91° 30'		
=		—				

ON 560' OFFSET TO LEFT.

560'

Range 94+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. M. Job No. [illegible] Division No. ____ F.B. 1501 Pg. 155

X-Sec. No. ____ Date ____ Checked 12-[illegible]-48 Survey [illegible] Date 11-3-48

Notes Chkd. ____ Date ____ Map No. ____ Indexed Transmitted 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	
96 +00 (N)	"N-2"	1	R	9:45	91° 00'	RANGE LINE ∡ = 90°	
		2	B		91° 50'		
		3	W		92° 00'		
		4	B		91° 15'		
		5	W		91° 45'		
		6	R	9:47	91° 20'		
	=	7	B		91° 00'		
		8	W		90° 40'		
	=	9	B		91° 00'		
		10	W		90° 20'		
		11	R	9:49	90° 45'		
		12	B		90° 35'		
	=	13	W		91° 05'		
		14	B		91° 05'		
		15	W		90° 35'		
		16	R	9:55	90° 25'		
		17	B		89° 55'		
		—					
	=						

Range 96+00 (N) ON 560' OFFSET TO LEFT.

F.B. 150 Pg. 156 Job No. 842 Division No. Notes Red Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Wiemeck Notes HHR 11-3-48 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
"X" (N)	94+00 (N)	1	R	08:~~35~~ 50	298°55	RANGE LINE 94+00 (N)	
		2	B		301 30	COMING IN	
		3	W		306 10		
	"	4	B		309 10		
		5	W		311 40		
	"	6	R	09 11	317 25		
		7	B		321 45		
	"	8	W		325 00		
		9	B		326 25		
	"	10	W		330 00		
		11	R	09 25	332 45		
		12	B		335 50		
		13	W		336 50		
		14	B		338 45		
	"	15	W		339 25		
		16	R	09 30	339 55		
		17	B		342 15		
		18	W		343 20		
		19					
		20					

See Sketch for Range Line 92+00 (N)

OFFSET 560' TO THE LEFT

Cut-in 94+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1561 Pg. 157

X-Sec. No. ____ Date ____ Date 12-48 Survey of B

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-3-48

No. ____ Date ____ Date ____ Map No. ____ Indexed Joint [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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
90+00 (N)	N-2	1	R	09:45	159° 45'	RANGE LINE 96+00	(N)
		2	B		157 50	GOING OUT	
		3	W		155 50		
		4	B		154 45		
		5	W		153 45		
		6	R	09 47	150 40		
		7	B		148 35		
		8	W		146 35		
		9	B		144 30		
		10	W		141 40		
		11	R	09 50	136 45		
		12	B		132 25		
		13	W		128 55		
		14	B		126 40		
		15	W		122 55		
		16	R	09 55	119 40		
		17	B		115 20		
		18					
		19					
		20					

Cut-in 96+00 (N)

OFFSET 560' TO THE LEFT
" " "

F.B. 150 Pg. 158 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of BEACH EROSION Date Date 12-48 No. X-Sec.
Survey by KLEINECK Notes JD 11-3-38 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 #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:47~~	32.5 / 30.2	31.0	57	25.3	Range line 94+20 (N)
2	B	7:49	29.2 / 29.0	30.1	57	24.4	
3	W		29.3 / 27.3	28.0	57	22.3	
4	B		28.1 / 26.2	26.8	58	21.0	
5	W		27.2 / 25.3	25.9	58	20.1	
6	R	~~9:10~~	26.5 / 23.8	24.7	59	18.8	
7	B	8:10	24.8 / 22.9	23.5	59	17.6	
8	W		24.2 / 21.2	22.2	59	16.3	
9	B		24.3 / 21.8	22.6	60	16.6	
10	W		23.3 / 22.2	22.7	60	16.7	
11	R	~~9:26~~	21.8 / 20.0	20.6	61	14.5	
12	B	8:26	20.0 / 18.0	18.7	61	12.6	
13	W		19.0 / 17.1	17.7	61	11.6	
14	B		16.9 / 15.9	16.2	61	10.1	
15	W		16.0 / 13.4	14.3	61	8.2	
16	R	~~9:30~~	14.0 / 12.0	12.7	62	6.6	
17	B	8:30	12.7 / 10.6	11.2	62	5.0	
18	W		10.2 / 8.8	9.8	62	3.1	
19	B						
20	W						

Profile No. _____ Notes Red ~~7/11~~ 7/12 Plotted H.U.M.M. Job No. 8W 20 Division No. _____ F.B. 1/8 Pg. 159

Date 11-26-46 Date 12-[illegible]-46 Survey of Beach Erosion

X-Sec. No. _____ Note Chkd. _____ Checked _____ Survey by Beach Erosion Unit, Div. 11 R. 48

Date _____ Date _____ Map No. _____ Andrew Jensen Date _____

Sect. 94+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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~9:45~~	9 0	83	63	2.0	RANGE LINE 96+00 (N)
2	B	8:45	10 5	95	63	3.2	
3	W		13 0	110	63	4.7	
4	B		14 2	124	63	6.1	
5	W		16 2	147	63	8.4	
6	R	~~9:47~~	17 5	165	63	10.2	
7	B	8:47	20 3	184	63	12.1	
8	W		21 4	203	63	14.0	
9	B		19 8	219	63	15.6	
10	W		23 8	233	63	17.0	
11	R	~~9:50~~	24 0	247	64	18.3	
12	B	8:50	23 0	250	64	18.6	
13	W		25 5	262	64	19.8	
14	B		24 3	273	64	20.9	
15	W		26 3	281	64	21.7	
16	R	~~9:55~~	25 3	293	64	22.9	
17	B	8:55	28 0	311	64	24.7	
18	W		30 2				

Boat 96+00 (N)

F.B. 1501 Pg. 160

Job No. 8412 Division No. ____ Notes Red. M. [illegible] Plotted H. U. M. H. Profile

Survey of Beach Erosion Date 11-26-48 Date 12-48 No. ____ X-Sec.

Survey by Meineck Notes MSB. 11-3-48 Notes Chkd. ____ Checked ____ No. ____

Indexed 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	
98 N-2	1	R	10:06	90°30'	RANGE LINE ∡ = 90°	
+00	2	B		91°50'		
(N)	3	W		89°35'		
	4	B		87°55'		
	5	W		91°20'		
	6	R	10:07	90°40'		
=	7	B		90°30'		
	8	W		91°40'		
=	9	B		90°30'		
	10	W		91°10'		
	11	R	10:09	91°10'		
=	12	B		90°45'		
	13	W		90°35'		
	14	B		90°45'		
	15	W		91°10'		
	16	R	10:12	90°30'		
	17	B		90°55'		
	18	W		90°30'		
=	19	B		90°40'		
	20	W		90°20'		

ON 560' OFFSET TO LEFT.

560'

Range 98+00 (N)

Profile Notes Red. Plotted H. U. M. H. Job No. 5W 26 Division No.
No. Date Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by [illegible] Date 11-3-48
No. Date Date Map No. Indexed Date

F.B. 150 / Pg. 161

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	
100 N-2"	1	R	10:32	90° 00'	RANGE LINE ∡ = 90°	
+00	2	B		91° 35'		
(N)	3	W		90° 10'		
	4	B		90° 45'		
	5	W		91° 00'		
"	6	R	10:34	91° 00'		
	7	B		91° 30'		
"	8	W		90° 55'		
	9	B		91° 30'		
	10	W		90° 40'		
	11	R	10:36	90° 50'		
"	12	B		90° 25'		
	13	W		90° 30'		
	14	B		90° 45'		
	15	W		90° 15'		
560'	16	R	10:40	91° 00'		
	17	B		90° 25'		
	18	W		90° 40'		
"	19	B		90° 05'		
	20	W		90° 10'		

Range 100 +00 (N) ON 560' OFFSET TO LEFT.

F.B. 1501 Pg. 162 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kleinert Notes HHR 11-3-48 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		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
90+00 (N)	N-2	1	R	10:06	163°35'	RANGE LINE 98+00 (N)	
		2	B		163 00	GOING OUT	
		3	W		161 10		
	"	4	B		159 45		
		5	W		159 05		
	"	6	R	10 08	158 25		
		7	B		157 40		
		8	W		156 15		
	"	9	B		155 00		
		10	W		153 50		
	"	11	R	10 10	152 25		
		12	B		150 10		
		13	W		148 30		
		14	B		145 40		
	"	15	W		142 25		
		16	R	10 13	139 20		
		17	B		136 20		
		18	W		130 25		
		19	B		127 10		
		20	W		123 40		

OFFSET 560' TO THE LEFT

Cut-in 98+00 (N)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 150 Pg. 163
X-Sec. No. ____ Date ____ Date 12-48 Survey of ____
Notes Chkd. ____ Checked ____ Survey by KLEINECK Notes JD Date 11-3-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Johnson 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	
94+00 N-2	1	R	10 32	157° 40'	RANGE LINE 100+00 (N)	
(N)	2	B		156 20	GOING OUT	
	3	W		154 45		
	4	B		153 40		
	5	W		151 45		
	6	R	10 34	149 40		
	7	B		148 25		
	8	W		147 10		
	9	B		146 05		
	10	W		144 20		
	11	R	10 36	141 15		
	12	B		138 50		
	13	W		135 40		
	14	B		131 55		
	15	W		127 50		
	16	R	10 40	126 00		
	17	B		123 55		
	18	W		122 05		
	19	B		118 25		
	20	W		116 10		

Cut-in 100+00 (N) OFFSET 560' TO THE LEFT

F.B. 150 PG. 164 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of GEORGE ROSION Date Date 12-48 No. X-Sec.
Survey by KLEINECK Notes JD-11-3-48 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10-06~~	9 5 / 7 8	84	64	2.0	RANGE LINE 98+00 (N)
2	B	9:06	11 8 / 8 3	95	64	3.1	
3	W		11 0 / 9 0	97	64	3.3	
4	B		12 0 / 10 0	107	64	4.3	
5	W		13 5 / 12 0	125	64	6.1	
6	R	~~10-08~~	14 7 / 13 0	136	64	7.2	
7	B	9:08	16 8 / 14 5	153	64	8.9	
8	W		18 0 / 15 3	162	64	9.8	
9	B		19 0 / 17 0	177	64	11.3	
10	W		19 5 / 18 3	187	64	12.3	
11	R	~~10-09½~~	20 8 / 18 8	195	64	13.1	
12	B	9:09	23 5 / 21 5	222	64	15.8	
13	W		24 8 / 22 7	234	64	17.0	
14	B		25 0 / 23 2	238	64	17.4	
15	W		25 5 / 24 2	246	64	18.2	
16	R	~~10-13~~	26 9 / 24 8	255	65	19.0	
17	B	9:13	27 6 / 25 3	261	65	19.6	
18	W		29 8 / 28 0	286	65	22.1	
19	B		31 0 / 29 6	301	65	23.6	
20	W		32 8 / 31 3	318	65	25.3	

Profile No. ____ Notes Red M.J. Plotted M.U.M.M. Job No. 8426 Division No. ____ F.B. 150/Pg. 165
X-Sec. No. ____ Date 11-26-48 Date 12-48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-8-48
No. ____ Date ____ Date ____ Map No. ____ Tidered [illegible] Date ____

Boat 98+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.

F.B. 150 Pg. 166

Job No. 4172 Division No. ____ Notes Rcd. 2-11-57 Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11-26-48 Date 12-48 No. X-Sec.
Survey by Alexander Notes MSB 11-3-48 Notes Chkd. ____ Checked ____ No.
Indexed C. Jordan Date ____ Date ____ Date ____

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:32~~	9.2	8.2	6.5	1.7	RANGE LINE 100+00(N)
2	B	9:32	9.8	9.3	6.5	2.8	
3	W		10.4	10.4	6.5	3.9	
4	B		11.3	12.1	6.5	5.6	
5	W		13.8	13.8	6.5	7.3	
6	R	~~10:34~~	15.8	15.8	6.5	9.3	
7	B	10:34	16.5	17.2	6.5	10.7	
8	W		17.9	18.2	6.5	11.7	
9	B		18.0	19.1	6.5	12.6	
10	W		21.8	21.0	6.5	14.5	
11	R	~~10:36~~	23.4	23.4	6.5	16.9	
12	B	9:36	23.5	23.5	6.5	17.0	
13	W		24.7	24.3	6.5	17.8	
14	B		25.4	25.3	6.5	18.8	
15	W		27.5	26.4	6.5	19.9	
16	R	~~10:40~~	28.5	27.5	6.5	21.0	Boat 100+00 (N)
17	B	9:40	29.5	27.5	6.5	21.0	
18	W		28.6	28.5	6.5	22.0	
19	B		31.0	29.5	6.5	23.0	
20	W		32.8	30.9	6.5	24.4	
21	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	
102 "N-2"	1	R	10:55	90° 50'	RANGE LINE ∡ = 90°	
+00	2	B		90° 55'		
(N)	3	W		90° 55'		
	4	B		91° 25'		
	5	W		90° 40'		
"	6	R	10:57	90° 00'		
	7	B		90° 00'		
	8	W		90° 00'		
"	9	B		90° 00'		
	10	W		90° 00'		
	11	R	11:00	90° 00'		
"	12	B		90° 00'		
	13	W		90° 15'		
	14	B		90° 20'		
	15	W		90° 35'		
560'	16	R	11:05	90° 20'		
	17	B		90° 20'		
	18	W		90° 40'		
"						

ON 560' OFFSET TO LEFT.

Range 102+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 84126 Division No. ____ F.B. 150 Pg. 167

X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by [illegible] Notes HUR Date 11-3-48

No. ____ Date ____ Date ____ Map No. ____ Andered Job Name 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	
104+00 (N)	N-2"	1	R	11:17	90° 25'	RANGE LINE ∡ = 90°	
		2	B		90° 40'		
		3	W		90° 30'		
		4	B		90° 40'		
		5	W		90° 25'		
	"	6	R	11:20	90° 50'		
		7	B		90° 00'		
	"	8	W		90° 00'		
		9	B		90° 25'		
		10	W		90° 15'		
	"	11	R	11:23	90° 00'		
		12	B		90° 15'		
		13	W		89° 50'		
		14	B		90° 20'		
		15	W		90° 10'		
	560'	16	R	11:29	90° 00'		
		17	B		90° 15'		
		18	W		90° 30'		
	"	—					

Range 104+00 (N) ON 560' OFFSET TO LEFT.

F.B. 1501 PG. 168 Job No. 84126 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by H. Leineck Notes HHR 11-3-48 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		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
94+00 (N)	N-2	1	R	10:56	162°05'	RANGE LINE 102+00 (N)	
		2	B		160 20	GOING OUT	
		3	W		159 20		
		4	B		157 30		
		5	W		155 15		
	"	6	R	10 58	153 40		
		7	B		152 25		
	"	8	W		151 15		
	"	9	B		149 35		
	"	10	W		147 55		
		11	R	11 00	145 50		
	"	12	B		143 30		
		13	W		139 10		
		14	B		136 00		
		15	W		132 15		
	"	16	R	11 05	128 25		
		17	B		124 30		
		18	W		120 35		
		19					
		20					

OFFSET 560' TO THE LEFT

Cut-in 102+00 (N)

Profile Notes Red. Plotted H. U. M. H. Job No. 8412 Division No. F.B. 1501 Pg. 169
No. Date Date 12-48 Survey of BEACH EROSION
X-Sec. Notes Chkd. Checked Survey by KLEINECK Notes JD Date 8/13/48
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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
94+00 (N)	N-2	1	R	11:17	165°20'	RANGE LINE 104+00 (N)	
		2	B		163 30		
		3	W		162 30		
		4	B		161 15		
		5	W		160 05		
	"	6	R	11 21	159 00		
		7	B		158 10		
		8	W		156 40		
	"	9	B		154 55		
		10	W		153 10		
	"	11	R	11 23	152 10		
		12	B		149 15		
	"	13	W		145 35		
		14	B		142 00		
		15	W		136 05		
	"	16	R	11 28	130 25		
		17	B		126 15		
		18	W		123 35		
		19	B				
		20	W				

Cut-in 104+00 (N) OFFSET 560' TO THE LEFT

F.B. 150 Pg. 170 | Job No. 8412 | Division No. | Notes Red | Plotted H.U.M.H. | Profile
Survey of BEACH SURVEY | Date | Date 12-48 | No. | X-Sec.
Survey by KLEINECK | Notes JD 11-3-48 | 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.

Profile No. ____ X-Sec. No. ____ Notes Red 24.75' Plotted H.U.M.H. Job No. 5415 Division No. ____
Date 11.26.48 Date 12-48 Survey of Beach Erosion
Notes Blue ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Date ____

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:56~~	9 7	84	65	1.9	RANGE LINE 102+00
2	B	9:56	7 8	10 2	65	3.7	
3	W		9 5	11 6	65	5.1	
4	B		1 28	13 6	65	7.1	
5	W		1 55	15 6	65	9.1	
6	R	~~10:58~~	1 72	17 0	65	10.5	
7	B	~~9:58~~	1 85	19 3	65	12.8	
8	W		2 03	20 0	65	13.5	
9	B		2 20	21 6	65	15.1	
10	W		2 27	23 0	65	16.5	
11	R	~~11:00~~	2 44	23 9	65	17.4	
12	B	10:00	2 53	24 7	65	18.2	
13	W		2 60	24 9	65	18.4	
14	B		2 46	26 5	65	20.0	
15	W		2 82	27 8	65	21.3	
16	R	~~11:06~~	2 97	28 6	65	22.1	
17	B	10:06	2 90	30 0	65	23.5	
18	W	~~11:10~~	3 02	31 6	65	25.1	
19	B	10:10	2 78				
20	W		3 10				
			2 95				
			3 27				
			3 10				

Book 7
102+00

F.B. 16/Pg. 171

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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~11:17~~	90 / 73	79	65	1.4	Rangeline 104+00 (N)
2	B	10:17	115 / 90	98	65	3.3	
3	W		120 / 102	108	65	4.3	
4	B		140 / 123	129	65	6.4	
5	W		155 / 135	142	65	7.7	
6	R	~~11:21~~	183 / 153	163	64	9.9	
7	B	10:21	187 / 168	174	64	11.0	
8	W		195 / 178	184	64	12.0	
9	B		233 / 200	211	64	14.7	
10	W		230 / 218	222	64	15.8	
11	R	~~11:25~~	245 / 220	228	64	16.4	
12	B	10:25	253 / 230	238	64	17.4	
13	W		258 / 241	247	64	18.3	
14	B		272 / 250	257	64	19.3	
15	W		295 / 272	280	64	21.6	
16	R	~~11:30~~	310 / 290	297	64	23.3	
17	B	10:30	320 / 303	309	64	24.5	
18	W		342 / 319	327	64	26.3	Boat 104+00 (N)
19	B						
20	W						

F.B. 160 Pg. 172

Job No. 8412 Division No. ____ Notes Red. M. B. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date 11-26-48 Date 12-48 No. ____ X-Sec.

Survey by Hamack Notes Halicky 11-3-48 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. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
106 "N-2"	1	R	9:02	88°20'	Range Line ∡ = 90°	
+00	2	Y		89°25'		
(N)	3	B		90°30'		
	4	Y		90°00'		
"	5	B		90°00'		
	6	R	9:08	89°55'		
	7	Y		89°50'		
"	8	B		89°45'		
	9	Y		90°00'		
	10	B		90°00'		
"	11	R	9:12	89°45'		
	12	Y		90°05'		
	13	B		89°35'		
	14	Y		89°25'		
	15	B		89°50'		
	16	R	9:20	89°45'		
	17	Y		90°20'		
	18	B		89°45'		
"						

04 560' OFFSET TO LEFT 560'

Range 106 +00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.M. Job No. 8447 Division No. ____ F.B. 1/50 Pg. 173
X-Sec. No. ____ Date ____ Date 12-48 Survey of Road Engineering
Notes Chkd. ____ Checked ____ Survey by [illegible] Calculated HHR Date 11-5-48
No. ____ Date ____ Date ____ Map No. ____ Index Sheet to map ____ 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	
108 "N-2"	1	R	9:38	90° 20'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 10'		
(N)	3	B		90° 15'		
	4	Y		86° 40'		
	5	B		90° 25'		
"	6	R	9:49	90° 00'		
	7	Y		90° 50'		
"	8	B		90° 55'		
	9	Y		90° 20'		
	10	B		90° 20'		
	11	R	9:57	90° 45'		
"	12	Y		90° 30'		
	13	B		90° 20'		
	14	Y		90° 20'		
560'	15	B		90° 00'		
	16	R	10:03	90° 30'		
	17	Y		89° 45'		
	18	B		90° 40'		
=	19	Y		90° 00'		

Range 108+00 (N) ON 560 OFFSET TO LEFT.

F.B. 160 Pg. 174 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 12-48 No. X-Sec.
Survey by Meineck Notes HHR 11-5-48 Notes Chkd. Checked No.
Indexed 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	
100+00 N-2 (N)	1	R	09 02	150° 45'	Range Line 106+00(N)	
	2	Y		151° 10'	OK GOING OUT	
	3	B		148 30		
	4	Y		148 05		
	5	B		148 00		
	6	R	09 08	146 30		
	7	Y		145 40		
	8	B		145 10		
	9	Y		143 30		
	10	B		142 15		
	11	R	09 10	141 15		
	12	Y		138 05		
	13	B		133 25		
	14	Y		129 50		
	15	B		123 35		
	16	R	09 20	117 10		
	17	Y		114 25		
	18	B		110 45		
	19					
	20					

OFFSET 560' TO THE LEFT

Cut-in 106+00(N)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8476 Division No. ____ F.B. 150 Pg. 175
Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-5-48
Date ____ Date ____ Map No. ____ Date ____

FORM 307 5M 1-48

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
100+00 (N)	N-2	1	R	09 38	116° 45'	RANGE LINE 108+00 (N)
		2	Y		118° 10'	COMING IN
		3	B		121 30	
		4	Y		122 25	
		5	B		124 25	
		6	R	09 49	129 00	
		7	Y		134 35	
		8	B		137 05	
		9	Y		140 05	
		10	B		142 45	
		11	R	09 56	147 55	
		12	Y		149 55	
		13	B		150 25	
		14	Y		151 55	
		15	B		153 30	
		16	R	10 03	153 15	OK
		17	Y		156 30	
		18	B		157 20	
		19	Y		158 00	
		20				

Cut-in 108+00 (N) OFFSET 560' TO THE LEFT

F.B. 160 Pg. 176 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of BEACH EROSION Date 12-48 No.
Survey by KLEINECK Notes JD 11-5-48 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~9:03~~	9 8 7 6	83	43	4.0	RANGE LINE 106+00(N)
2	Y	8:03	12 5 9 0	102	43	5.9	
3	B		14 0 10 6	117	43	7.4	
4	Y		14 0 12 0	127	43	8.4	
5	B		16 5 13 5	145	43	10.2	
6	R	~~9:08~~	15 5 14 5	148	44	10.4	
7	Y	8:08	16 5 15 0	155	44	11.1	
8	B		19 0 16 0	170	44	12.6	
9	Y		19 0 17 0	177	44	13.3	
10	B		21 2 19 5	201	44	16.7	
11	R	~~9:10~~	22 3 20 0	208	44	16.4	
12	Y	8:10	23 4 21 2	219	44	17.5	
13	B		24 0 22 4	229	44	18.5	
14	Y		24 5 23 5	238	44	19.4	
15	B		26 0 24 4	249	44	20.5	
16	R	~~9:20~~	28 5 26 2	270	45	22.5	
17	Y	8:20	31 2 28 9	297	45	25.2	
18	B		33 0 30 9	316	45	27.1	

Boat
106+00(N)

Profile Notes Red M.J. Plotted H.U.M.H. Job No. 642 Division No.
No. Date 11-26-48 Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by [illegible] Date 11-5-48
No. Date Date Map No. Indexed Johnson Date

F.B. 1501 Pg. 177

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.

F.B. 160 Pg. 118 Job No. 8416 Division No. Notes Red. 7M.X Plotted H.U.M.H. No.
Survey of Beach Erosion Date 11-26-48 Date 12-48 X-Sec.
Survey by M. Gunnoe Notes Tides Notes Chkd. Checked
Indexed L. C. Tolbert Date Date No.

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~8:39~~	33 0 / 30 0 / 32 9	310✓	48	26.2	RANGE LINE 108+00 (N)
2	Y	8:39	30 0 / 30 5	310✓	48	26.2	
3	B		28 2 / 29 0	290✓	48	24.2	
4	Y		27 0 / 30 0	277✓	48	22.9	
5	B		27 0 / 28 0	280✓	48	23.2	
6	R	~~9:49~~	26 0 / 26 3	267✓	49	21.8	
7	Y	8:49	24 3 / 25 6	250✓	49	20.1	
8	B		22 2 / 24 5	233✓	49	18.4	
9	Y		22 5 / 24 2	232✓	49	18.3	
10	B		20 9 / 22 0	221✓	49	17.2	
11	R	~~9:57~~	19 9 / 20 0	206✓	50	15.6	
12	Y	8:57	18 4 / 18 6	189✓	50	13.9	
13	B		17 0 / 17 9	175✓	50	12.5	
14	Y		15 6 / 16 4	164✓	50	11.4	
15	B		14 0 / 15 5	148✓	50	9.8	
16	R	~~10:03~~	13 5 / 13 4	147✓	50	9.2	Boat 108+00 (N)
17	Y	9:03	11 0 / 11 4	118✓	50	6.8	
18	B		10 1 / 9 8	105✓	50	5.5	
19	Y		8 4	89✓	50	3.9	
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	
110 N-2"	1	R	10:20	90° 20'	RANGE LINE	∡ = 90°
+00	2	Y		90° 20'		
(N)	3	B		90° 20'		
	4	Y		90° 00'		
	5	B		89° 45'		
	6	R	10:23	89° 35'		
"	7	Y		90° 25'		
	8	B		90° 20'		
"	9	Y		90° 00'		
	10	B		89° 35'		
	11	R	10:27	90° 00'		
"	12	Y		90° 20'		
	13	B		90° 00'		
	14	Y		89° 50'		
560'	15	B		90° 00'		
"						

ON 560' OFFSET TO LEFT.

Range 110+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 84136 Division No. ____ F.B. 1501 Pg. 179
X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Date 12-48 Survey of Beach Erosion
Survey by Thomas Date 11-5-48 Map No. ____ Indexed Jack Brown 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	
112 "N-2"	1	R	10:43	91° 00'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 50'		
(N)	3	B		90° 20'		
	4	Y		89° 35'		
	5	B		90° 35'		
	6	R	10:47	89° 45'		
=	7	Y		90° 00'		
	8	B		90° 10'		
=	9	Y		90° 10'		
	10	B		89° 50'		
	11	R	10:50	90° 15'		
=	12	Y		90° 00'		
	13	B		90° 00'		
	14	Y		90° 00'		
700'	15	B		90° 00'		
	16	R	10:57	89° 55'		
=						

Range 112+00 (N) ON 700 OFFSET TO LEFT.

F.B. 150 / Pg. 180 Job No. 84126 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Death Erosion Date 12-48 No.
Survey by Hemmock Notes HHR 11-5-48 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		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
104+00	N-2	1	R	10 19	150° 00'	RANGE LINE 110+00 (N)	
(N)		2	Y		149 10	GOING OUT	
		3	B		147 50		
		4	Y		146 00		
		5	B		144 05		
	"	6	R	10 23	142 25		
		7	Y		141 25		
	"	8	B		139 45		
		9	Y		136 20		
	"	10	B		131 20		
		11	R	10 26	127 35		
	"	12	Y		123 40		
		13	B		119 20		
		14	Y		114 50		
	"	15	B		112 55		

OFFSET 560' TO THE LEFT

Cut-in 110+00 (N)

Profile Notes No. H.U.M.H. Job No. 8412 Division No. 1
No. Date 12-48 Survey of BEACH EROSION
X.Sec. Notes Chkd. Checked Notes Jr. Date 11-5-48
No. Date Map No. Indexed Date

F.B. 150 Pg. 181

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
104+00 (N)	N-2	1	R	10 43	156 50	RANGE LINE 112+00 (N)
		2	Y		156 20	GOING OUT
		3	B		155 15	
		4	Y		154 15	
	"	5	B		152 55	
		6	R	10 46	152 00	
		7	Y		150 25	
	"	8	B		148 20	
		9	Y		145 45	
	"	10	B		143 10	
		11	R	10 49	140 55	
	"	12	Y		136 20	
		13	B		129 20	
		14	Y		123 55	
	"	15	B		118 35	
		16	R	10 56	116 20	

Cut-in 112+00 (N) OFFSET 560' TO THE LEFT

F.B. 1501 PG. 182

Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile

Survey of BEACH EROSION Date Date 12-48 No. X-Sec.

Survey by HUNECK Notes JD 11-5-48 Notes Chkd. Checked No.

Indexed 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 #	Color	B. S.– Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:20~~	115 112 115	99	52	4.1	RANGE LINE 110+00 (N)
2	Y	9:20	100 145	105	52	5.3	
3	B		120 150	128	52	7.6	
4	Y		130 180	137	52	8.5	
5	B		155 200	162	52	11.0	
6	R	~~10:27~~	177 200	185	52	13.3	
7	Y	9:24	190 220	193	52	14.1	
8	B		195 233	203	52	15.1	
9	Y		222 244	226	52	17.4	
10	B		231 265	235	52	18.3	
11	R	~~10:27~~	242 270	250	52	19.8	
12	Y	9:27	260 285	263	52	21.1	
13	B		270 317	274	52	22.2	
14	Y		290 328	299	52	24.7	
15	B	~~10:35~~	302	311	53	25.8	
16	R	9:33					
17	Y						
18	B						

Profile No. ____ X-Sec. No. ____
Notes Red: 7W-7X Plotted H.U.M.H. Job No. 6442 Division No. ____
Date 11-26-48 Date 12-48 Survey of Beach Estates
Notes Chkd. ____ Checked ____ Survey by Hamilton & Cotton Date 11-5-48
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 150 Pg. 183

Book 7
110+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	~~10:44~~	90 77	81	54	2.7	Range line 112+00 (N)
2	Y	9:44	110 83	92	54	3.8	
3	B		132 95	107	54	5.3	
4	Y		120 110	113	54	5.9	
5	B		140 127	131	54	7.7	
6	R	~~10:47~~	161 140	147	54	9.3	
7	Y	9:47	190 150	163	54	10.9	
8	B		185 170	175	54	12.1	
9	Y		230 190	203	54	14.9	
10	B		235 210	218	54	16.4	
11	R	~~10:50~~	250 227	235	54	18.1	
12	Y	9:50	258 240	246	54	19.2	
13	B		280 260	267	54	21.3	
14	Y		300 278	285	54	23.1	
15	B		317 300	306	54	25.2	
16	R	~~10:57~~	348 313	325	55	27.0	Boat 112+00 (N)
		9:57					

F.B. 1501 PG. 184

Job No. 8412 Division No. ____ Notes Red. M. J. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date 11-26-48 Date 12-48 No. ____ X-Sec.

Survey by Meinecke Notes S.H. 11-5-48 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. Sight At " On "	#	Color	Time	Hor. Ang.	Remarks	
114 N-2	1	R	11:09	90° 00'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 00'		
(N)	3	B		90° 25'		
	4	Y		90° 50'		
	5	B		90° 10'		
"	6	R	11:11	91° 25'		
	7	Y		90° 40'		
	8	B		91° 10'		
"	9	Y		90° 20'		
	10	B		90° 35'		
	11	R	11:14	90° 30'		
"	12	Y		90° 05'		
	13	B		89° 40'		
	14	Y		89° 10'		
	15	B		89° 00'		
700'	16	R	11:23	89° 00'		
700'	—					
"						

ON 700' OFFSET TO LEFT.

Range 114+00 (N)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 84476 Division No. ____ F.B. 1501 Pg. 185
Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-5-48
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.	
Inst. Sight At On.	#	Color	Time	Hor. Ang.	Remarks
116 N-2	1	R	11:31	91° 00'	RANGE LINE ∡ = 90°
+00	2	Y		90° 15'	
(N)	3	B		90° 50'	
	4	Y		90° 45'	
	5	B		90° 25'	
"	6	R	11:34	90° 45'	
	7	Y		90° 30'	
"	8	B		90° 30'	
	9	Y		90° 15'	
	10	B		90° 20'	
"	11	R	11:38	90° 00'	
	12	Y		90° 30'	
	13	B		91° 15'	
	14	Y		91° 00'	
	15	B		90° 40'	
700'	16	R	11:42	89° 55'	
	17	Y		89° 10'	
	18	B		90° 30'	
"					

Range 116+00 (N) ON 700' OFFSET TO LEFT.

F.B. 150 PG. 186 Job No. 8426 Division No. Notes Red Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No. X-Sec.
Survey by Meinecke Notes HHR 11-5-48 Notes Chkd Checked No.
Indexed by 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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
104+00 (N)	N-2	1	R	11 09	159 50	RANGE LINE 114+00 (N)	
		2	Y		158 50	GOING IN	
		3	B		157 40		
		4	Y		156 35		
		5	B		155 00		
		6	R	11 11	152 55		
		7	Y		150 15		
		8	B		149 15		
		9	Y		146 45		
		10	B		145 05		
		11	R	11 14	143 05		
		12	Y		139 10		
		13	B		134 30		
		14	Y		129 00		
		15	B		124 45		
		16	R	11 22	120 40		

OFFSET 560' TO THE LEFT

Cut-in 114+00 (N)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1501 Pg. 187
Date ____ Date 12-48 Survey of BEACH EROSION
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed Job 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
104-00	N-2	1	R	11 31	164 20	RANGE LINE 116+00 (N)
(N)		2	Y		163 15	GOING OUT
		3	B		162 15	
		4	Y		161 40	
	"	5	B		159 40	
		6	R	11 33	158 25	
	"	7	Y		157 10	
		8	B		156 00	
	"	9	Y		154 50	
		10	B		154 00	
	"	11	R	11 37	152 55	
		12	Y		152 10	
		13	B		150 50	
		14	Y		147 30	
	"	15	B		142 35	
		16	R	11 42	138 20	
		17	Y		134 20	
		18	B		130 50	

Cut-in 116+00 (N) OFFSET 560' TO THE LEFT

F.B. 1601 PG. 188 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of BEACH EROSION Date Date 12 - 48 No. X-Sec.
Survey by KLEINECK Notes JD 11-5-48 Notes Chkd. Checked No.
Indexed 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 #	Color	B. S. – Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~1:10~~	70 / 75 / 120	87	55	3.2	Range line 114+00 (N)
2	Y	10:10	97 / 128	105	55	5.0	
3	B		117	121	55	6.6	
4	Y		150 / 140	143	55	8.8	
5	B		153 / 147	149	55	9.4	
6	R	~~1:12~~	190 / 170	177	56	12.1	
7	Y	10:12	203 / 182	189	56	13.3	
8	B		225 / 200	208	56	15.2	
9	Y		240 / 230	233	56	17.7	
10	B		253 / 240	244	56	18.8	
11	R	~~1:15~~	265 / 247	253	56	19.7	
12	Y	10:15	275 / 260	265	56	20.9	
13	B		283 / 265	271	56	21.5	
14	Y		307 / 280	289	56	23.3	
15	B		323 / 295	304	56	24.8	
16	R	~~1:23~~	347 / 320	329	56	27.3	114+00 (N)
17	Y	10:23					
18	B						

Boat

Profile No. _____ Date 11-26-48 Notes Red Pen Plotted H.U.M.H. Job No. 84-76 Division No. _____
X-Sec. No. _____ Date 12-[illegible]-48 Survey of Beach Erosion
Notes Chkd. _____ Date _____ Checked _____ Date _____ Survey by [illegible] Map No. _____ Notes by [illegible] Date 11-5-48
Andrew Jabbanson Date _____

F.B. 150 Pg. 189

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. 16 PG. 190

Survey of Beach Erosion Notes 54 Division No. Job No. 8412 Notes Red 77-73 Plotted H. U. M. M.
Survey by Hauser Date 11-5-48 Notes Chkd. Date 11-26-48 Date 12-48 X-Sec. No.
Indexed C. Jahnsen Date Date Checked Date No. Profile

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks	
1	R	~~1437~~	68	67	5.6	1.1	Range line 116+00(N)	
			90					
2	Y	10:31	70	78	5.6	2.2		
3	B		80	97	5.6	4.1		
			90					
4	Y		127	110	5.6	5.4		
			102					
5	B		150	~~137~~ 139	5.6	7.3		
			118					
6	R	~~1439~~	170	150	5.6	9.4		
			140					
7	Y	10:34	170	160	5.6	10.4		
			155					
8	B		220	183	5.6	12.7		
			165					
9	Y		210	187	5.6	13.1		
			175					
10	B		216	199	5.6	14.3		
			190					
11	R	~~1438~~	223	214	5.6	15.8		
			210					
12	Y	10:38	250	230	5.6	17.4		
			220					
13	B		247	239	5.6	18.3		
			225					
14	Y		266	254	5.6	19.8		
			248					
15	B		270	260	5.6	20.4		
			250					
16	R	~~1442~~	292	277	5.6	22.1		
			270					
17	Y	10:42	300	287	5.6	23.1	Boat 116+00(N)	
			280					
18	B	~~1445~~	320	309	5.6	25.3		
			303					
19	Y	10:45						
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	
118+00 N-2 (N)	1	R	7:56	91° 40'	RANGE LINE ∡ = 90°	
	2	Y		91° 30'		
	3	B		91° 50'		
	4	Y		90° 50'		
	5	B		91° 30'		
	6	R	8:00	90° 30'		
	7	Y		90° 40'		
	8	B		91° 00'		
	9	Y		91° 05'		
	10	B		90° 10'		
	11	R	8:05	91° 10'		
	12	Y		90° 10'		
	13	B		90° 30'		
	14	Y		90° 50'		
	15	B		90° 40'		
	16	R	8:10	90° 35'		
	17	Y		89° 40'		
	18	B		90° 25'		

ON 700' OFFSET TO LEFT

Range 118+00(N)

Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
Date ____ Date 12-8-48 Survey of Depth Erosion
Notes Chkd ____ Checked ____ Survey by [illegible] Notes HHR Date 11-8-48
Date ____ Date ____ Map No. ____ Indexed Job Page ____ Date ____

F.B. No. Pg. 149

FORM 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	
120 "N-3"	1	R	8:26	89° 50'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 00'		
(N)	3	B		90° 45'		
	4	Y		90° 10'		
	5	B		89° 45'		
	6	R	8:35	90° 15'		
"	7	Y		90° 35'		
	8	B		90° 15'		
"	9	Y		90° 15'		
	10	B		90° 00'		
	11	R	8:43	89° 40'		
"	12	Y		89° 45'		
	13	B		90° 00'		
	14	Y		89° 50'		
	15	B		89° 45'		
700	16	R	8:47	89° 40'		
"						

Range 120+00 (N) ON 700 OFFSET TO LEFT.

F.B. 56 / PG. 192 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Proj.
Survey of Beach Erosion Date Date 12-48 No. X-Sec.
Survey by Meinert Notes HHR 11-8-48 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.

700 off

N-3 = 118+16 LP

STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
112+00	N-2	1	R	08 57	159 30	Range Line 118+00 (N)
		2	Y		159 10	Boat Going out
		3	B		157 20	
		4	Y		155 25	
		5	B		154 40	
		6	R	0801	152 40	
		7	Y		151 25	
	"	8	B		149 40	
	"	9	Y		147 35	
	"	10	B		145 35	
	"	11	R	0806	142 40	
	"	12	Y		139 25	
	"	13	B		136 40	
	"	14	Y		132 55	
	"	15	B		129 45	
	"	16	R	08 11	124 30	
	"	17	Y		116 50	
		18	B	08 17	113 20	
		19				
		20				

Offset 700' to the Left

Cut in 118+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. V
X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Survey
Survey by Kleinert Notes RJM Date 11/8/48
Map No. ____ Indexed ____ Date ____

F.B. 150 Pg. 193

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
112 +00	N-2	1	R	0827	115 15	Range Line 120 +00 (N)
		2	Y		118 15	11/8/48
		3	B		120 25	Boat comming in
		4	Y		121 55	
		5	B		124 30	
	"	6	R	0835	129 15	
		7	Y		132 15	
	"	8	B		135 45	
		9	Y		143 55	
	"	10	B		148 40	
		11	R	0844	151 25	
	"	12	Y		154 00	
		13	B		157 15	
		14	Y		159 15	
		15	B		158 35	
	"	16	R	0848	162 50	
		17				
		18				
		19				
		20				

Cut-in 120+00 (N) Offset 700' to the Left

F.B. 161 PG. 194 Job No. 8412 Division No. V Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kleineck Notes RJM 11-8-48 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	Time	B. S.	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~7:56~~		2.9 5.8	65	37	2.8	Range Line 118+00 (N)
2	Y	6:56		8.8 9.5	71	37	3.4	
3	B			10.0 8.1	87	37	5.0	
4	Y			12.9 9.1	101	37	6.4	
5	B			11.6 10.8	108	37	7.1	
6	R	~~8:00~~		13.3 11.5	121	36	8.5	
7	Y	7:00		15.0 12.7	135	36	9.9	
8	B			14.5 13.5	138	36	10.2	
9	Y			16.2 14.7	148	36	11.2	
10	B			17.2 15.4	160	36	12.4	
11	R	~~8:06~~		19.0 17.4	179	36	14.3	
12	Y	7:06		22.2 19.2	203	36	16.7	
13	B			23.5 21.8	222	36	18.6	
14	Y			24.8 22.5	239	36	20.3	
15	B			25.6 24.5	249	36	21.3	
16	R	~~8:11~~		26.4 25.9	264	36	22.8	
17	Y	7:11		28.5 27.5	282	36	24.6	
18	B			33.1 30.1	31.1	36	27.5	

Boat
[illegible]

Profile No. _____ Date 11-26-48 Notes Red 7M.2X Plotted M.U.M.M. Job No. [illegible] Division No. _____ F.B. 1/16 Pg. 1/85
Notes Chkd. _____ Date _____ Checked _____ Date _____ Survey of [illegible] Survey by [illegible] 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.

F.B. 1/4/Pg. 196 Job No. 8417 Division No. Notes Red. TM. Plotted H.U.M.M. Profile
Survey of Beach Erosion Date 1-26-48 No. - 48 X-Sec.
Survey by Howard Notes TM. 11-8-48 Notes Chkd. Checked No.
Indexed 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	~~8.26~~	33.4 / 31.9	318	35	28.3	Range 120+00 (N)
2	Y	7:26	31.4 / 29.8	303	35	26.8	
3	B		30.6 / 28.4	291	35	25.6	
4	Y		29.4 / 27.8	283	35	24.8	
5	B		29.3 / 26.1	274	35	23.9	
6	R	~~8.35~~	27.4 / 25.4	261	35	22.6	
7	Y	7:35	26.0 / 24.5	250	35	21.5	
8	B		25.2 / 23.8	243	35	20.8	
9	Y		22.6 / 21.3	217	35	17.2	
10	B		21.3 / 19.3	200	35	16.5	
11	R	~~8.44~~	18.8 / 17.4	179	35	14.4	
12	Y	7:44	17.4 / 14.6	155	35	12.0	
13	B		15.5 / 13.9	142	35	10.9	
14	Y		14.0 / 10.9	113	35	7.8	
15	B		13.7 / 11.1	120	35	8.5	Had to pick up
16	R	~~8.48~~ 7:48	8.4 / 6.4	71	35	3.6	Boat 120+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	
122 N-3	1	R	8:59	89° 30'	RANGE LINE ∡ =90°	
+00	2	Y		89° 45'		
(N)	3	B		89° 40'		
	4	Y		89° 40'		
	5	B		90° 00'		
	6	R	9:03	90° 10'		
	7	Y		89° 30'		
	8	B		89° 40'		
	9	Y		89° 30'		
	10	B		90° 20'		
	11	R	9:07	89° 30'		
	12	Y		90° 30'		
	13	B		90° 45'		
	14	Y		90° 00'		
	15	B		89° 55'		
	16	R	9:15	90° 00'		
	17	Y		89° 15'		

ON 700' OFFSET TO LEFT.

700'

Range 122+00 (N)

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1501 Pg. 197

X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-8-48

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	
124 N-3	1	R	9:29	90° 40'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 20'		
(N)	3	B		90° 20'		
	4	Y		90° 30'		
	5	B		90° 00'		
	6	R	9:38	90° 00'		
	7	Y		90° 15'		
	8	B		90° 05'		
	9	Y		89° 55'		
	10	B		89° 50'		
	11	R	9:43	89° 00'		
	12	Y		90° 00'		
	13	B		89° 55'		
	14	Y		90° 00'		
	—					

ON 700' OFFSET TO LEFT.

Range 124+00 (N)

F.B. No. 1 Pg. 198 Job No. 842 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 12-48 No. X-Sec.
Survey by Maineck Notes HHR 11-8-48 Notes Chkd. Checked No.
Indexed 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
112 +00	N-2	1	R	0900	166 45	Range Line 122+00 (N)
		2	Y		165 55	Boat going out
		3	B		165 10	
		4	Y		163 50	
		5	B		162 25	
	"	6	R	0903	161 15	
		7	Y		158 55	
		8	B		156 15	
	"	9	Y		154 25	
	"	10	B		152 00	
		11	R	0908	148 55	
		12	Y		147 45	
	"	13	B		142 25	
		14	Y		139 20	
		15	B		134 20	
		16	R	0916	128 55	
	"	17	Y		126 10	
		18				
		19				
		20				

Offset 700' to the Left

Cut-in 122+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ✓ F.B. 150 Pg. 149
X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11/8/48
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
118	N-2	1	R	0930	113 45	Range Line 124+00 (N)
+00		2	Y		114 15	Boat comming in
		3	B		117 20	11/8/48
		4	Y		121 25	
		5	B		126 20	
		6	R	0939	132 10	
	"	7	Y		141 00	
		8	B		144 55	
	"	9	Y		147 35	
	"	10	B		149 05	
		11	R	0943	151 15	
		12	Y		154 05	
	"	13	B		156 00	
		14	Y	0946	158 55	Last Shot
		15				
		16				
	"	17				
		18				
		19				
		20				

Cut-in 124+00 (N) offset 700' to the Left

F.B. No. 1 Pg. 200

Job No. 8412 Division No. V Notes Red. Date Plotted H.U.M.H. Date 12-48 No. Profile

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

Survey by Kleineck Notes RJM 11/8/48 Date

Indexed C. Johnson 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	~~7.00~~	7.7 / 6.1	66✓	34	3.2	Range 122+00 (N)
2	Y	8:00	8.5 / 7.0	75✓	34	4.1	
3	B		10.9 / 8.7	89✓	34	5.5	
4	Y		12.0 / 10.0	107✓	34	7.3	
5	B		13.8 / 11.7	124✓	34	9.0	
6	R	~~7.01~~	14.8 / 13.7	139✓	34	10.5	
7	Y	8:04	16.3 / 14.6	152✓	34	11.8	
8	B		18.8 / 16.3	171✓	34	13.7	
9	Y		19.4 / 18.4	187✓	34	15.3	
10	B		23.2 / 20.6	215✓	34	18.1	
11	R	~~7.08~~	23.6 / 21.8	224✓	34	19.0	
12	Y	8:08	24.0 / 23.1	237✓	34	20.3	
13	B		26.1 / 24.3	250✓	34	21.6	
14	Y		28.0 / 25.0	260 ~~259~~	34	22.6	
15	B		28.4 / 26.0	268✓	34	23.4	
16	R	~~7.15~~	29.5 / 28.0	285✓	34	25.1	
17	Y	8:15	31.0 / 29.6	301✓	34	26.7	

122+00 (N)

Boat

Profile No. ____ Date 11-26-48 Notes Red Plotted H.U.M.M. Job No. 8425 Division No. ____ F.B. 1/1 Pg. 204
X-Sec. No. ____ Date ____ Name Chkd. ____ Date ____ Checked ____ Map No. ____ Survey of Beach Erosion Survey by ____ Traced ____ 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	~~9:30~~	31.5 29.2	299	34	26.5	Range	124+00 (N)
2	Y	8:30	29.5 28.5	288	34	25.4		
3	B		29.0 27.7	281	34	24.7		
4	Y		27.0 25.5	260	34	22.6		
5	B		25.0 23.5	240	34	20.6		
6	R	~~9:39~~	23.5 22.0	225	34	19.1		
7	Y	8:39	22.5 20.0	208	34	17.4		
8	B		20.0 18.0	187	34	15.3		
9	Y		18.0 16.0	167	34	13.3		
10	B		16.0 14.0	147	34	11.3		
11	R	~~9:43~~	14.0 12.0	127	33	9.4		
12	Y	8:43	12.0 10.0	107	33	7.4		
13	B		9.5 8.5	88	33	5.5		
14	Y	~~9:46~~ 8:46	9.4 5.4	67	33	3.4	Boat 124+00 (N)	

F.B. 10 PG. 202

Job No. 8412 Division No. ____ Notes Red. M.B. Plotted H.U.M.H. Profile

Survey of Beach Erosion Date 11-26-48 Date 12- -48 No. ____ X-Sec.

Survey by Meineck Notes TM 11-8-48 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. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
126+00 (N)	N-3	1	R	9:53	90° 00'	RANGE LINE ∡ = 90°
		2	Y		89° 40'	
		3	B		90° 00'	
		4	Y		88° 45'	
		5	B		90° 50'	
		6	R	9:56	89° 25'	
	=	7	Y		89° 30'	
		8	B		90° 20'	
	=	9	Y		90° 30'	
		10	B		89° 55'	
		11	R	9:59	89° 55'	
		12	Y		90° 10'	
	=	13	B		89° 50'	
		14	Y		90° 30'	
		15	B		90° 00'	
	700'	16	R	10:04	90° 30'	
		17	Y		91° 00'	
		18	B		89° 35'	
	=	19	Y		90° 35'	

ON 700' OFFSET TO LEFT.

Range 126+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8417 Division No. ____ F.B. 150 Pg. 203
X-Sec. No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Sandy by Reynolds HUR Date 11-8-48
Map No. ____ Indexed ____ Date ____

F.B. 150 / PG. 204

Job No. 8417 Division No. _____ Notes Red. _____ Plotted H. U. M. H. Profile

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

Survey by Mleineck Notes HHR 11-8-48 Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date _____ Date _____ No. _____

Range
128+00 (N)

ON 700' OFFSET TO LEFT.

" 700' " " " .

Sight At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
128+00 (N)	N-3	1	R	10:25	90° 25'	RANGE LINE ∡ = 90°
		2	Y		90° 40'	
		3	B		90° 10'	
		4	Y		90° 05'	
		5	B		90° 40'	
		6	R	10:32	89° 35'	
		7	Y		89° 50'	
		8	B		90° 30'	
		9	Y		90° 00'	
		10	B		90° 50'	
		11	R	10:36	91° 15'	
		12	Y		90° 35'	

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.

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
118 +00	N-2	1	R	09 54	165 20	Range Line 126+00 (N)
		2	Y		164 05	Boat going out
		3	B		162 40	
		4	Y		161 45	
		5	B		160 55	
		6	R	09 57	160 10	
		7	Y		159 15	
	"	8	B		158 10	
		9	Y		156 55	
		10	B		155 25	
	"	11	R	10 00	153 15	
		12	Y		153 05	
	"	13	B		151 10	
		14	Y		149 15	
		15	B		140 30	
		16	R	10 05	135 15	
	"	17	Y		127 10	
		18	B		122 00	
		19	Y	10 11	119 30	Last shot
		20				

Offset 700' to Left

Cut-in 126+00 (N)

Profile Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ✓ F.B. 150 Pg. 205
No. ____ Date ____ Date 12-48 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11/8/48
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
118	N-2	1	R	10 26	126 25	Range Line 128+00 (N)
+00		2	Y		132 40	Boat comming in
		3	B		138 25	(11/8/48)
		4	Y		146 25	
		5	B		152 20	
		6	R	10 34	156 55	
		7	Y		159 55	
	"	8	B		161 15	
		9	Y		162 40	
	"	10	B		163 50	
		11	R	10 37	166 00	
		12	Y	10 38	167 50	
	"	13				
		14				
		15				
		16				
	"	17				
		18				
		19				
		20				

Cut-in 128+00 (N) offset 700' to Left

F.B. 1501 PG. 206 Job No. 8412 Division No. V Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kleineck Notes RJM 11/8/48 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.

Profile No.____ X-Sec. No.____ Notes Red. M.B. Date 11-26-48 Plotted H.U.M.H. Date 12-__-48 Job No. 5475 Survey of Beach Erosion Survey by Division No.____ Date Nov. 1948 Notes Chkd.____ Date____ Checked____ Date____ Map No.____ Added Jan. Date____

F.B. 156 Pg. 207

Boat
126+00 (N)

STATION #	Color	B. S.- Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:54~~	7.0 / 5.1	59	33	2.6	Range 126+00 (N)
2	Y	8:54	7.8 / 6.0	66	33	3.3	
3	B		10.5 / 7.0	82	33	4.9	
4	Y		10.0 / 8.5	90	33	5.7	
5	B		12.5 / 9.8	107	33	7.4	
6	R	~~9:57~~	12.3 / 10.6	112	33	7.9	
7	Y	8:57	13.8 / 11.5	123	33	9.0	
8	B		13.8 / 12.6	130	33	9.7	
9	Y		14.8 / 13.8	141	33	10.8	
10	B		18.1 / 14.8	~~167~~	33	12.6	
11	R	~~10:00~~	19.1 / 16.8	176	33	14.3	
12	Y	9:00	18.2 / 20.5	192	33	15.9	
13	B		~~22.0~~ / 20.1	207	33	17.4	
14	Y		22.9 / 21.5	220	33	18.7	
15	B		25.0 / 22.9	236	33	20.3	
16	R	~~10:05~~	27.5 / 25.0	258	33	22.5	
17	Y	9:05	28.4 / 26.7	273	33	24.0	
18	B		29.5 / 27.8	284	33	25.1	
19	Y	~~10:12~~ 9:12	31.4 / 29.2	299	33	26.6	

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. 16/Pg. 208 | Job No. 842 | Division No. | Notes Red. 7M-0 | Plotted H.U.M.H. | Profile
Survey of Beach Erosion | Date 11-26-48 | Date 12-48 | No. | X-Sec.
Survey by Dunnett | Notes Chkd. | Checked | No.
Indexed C. Johnson | Date | Date | Date

STATION #	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	~~10:25~~	28 7	29 7v	33	25.9	Range 128+00 (N)
			28 9				
2	Y	9:25	26 5	27 3v	33	24.0	
			27 4				
3	B		24 5	25 5v	33	22.2	
			25 4				
4	Y		23 1	23 9v	33	20.6	
			23 3				
5	B		21 0	21 8v	33	18.5	
			21 0				
6	R	~~10:31~~	18 5	19 3v	33	16.0	
			18 6				
7	Y	9:34	16 0	16 9v	33	13.6	
			16 4				
8	B		14 1	14 9v	33	11.6	
			13 4				
9	Y		12 0	12 5v	33	9.2	
			12 0				
10	B		10 4	11 3v	33	8.0	
			9 0				
11	R	~~10:36~~	8 1	8 4v	33	5.1	
			7 5				
12	Y	10:36	4 4	5 4v	33	2.1	
13	B						
14	Y						
15	B						
16	R						
17	Y						
18	B						

Boot 128+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 CHECKED 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
130	N-3	1	R	10:45	90° 00'	RANGE LINE ∡=90°
+00		2	Y		91° 30'	
(N)		3	B		89° 40'	
		4	Y		90° 20'	
		5	B		90° 50'	
		6	R	10:49	90° 45'	
	=	7	Y		90° 00'	
		8	B		90° 45'	
	=	9	Y		90° 00'	
		10	B		90° 30'	
		11	R	10:56	91° 15'	
	=	12	Y		89° 55'	
		13	B		90° 00'	
		14	Y		91° 20'	
		15	B		90° 30'	
	700'	16	R	11:03	90° 10'	
		17	Y		90° 40'	
	=	18	B		90° 30'	
		19	Y		90° 30'	
		20	B		90° 15'	

ON 700' OFFSET TO LEFT.

Range 130+00 (N)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 847 Division No. ____ F.B. 150 Pg. 204
X-Sec. No. ____ Date ____ Date 12-8-48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-8-48
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. Sight At	" On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
132+00 (N)		N-3	1	R	7:35	87° 50'	RANGE LINE ∡ = 90°
			2	Y		89° 35'	
			3	B		90° 40'	
		=	4	Y		90° 30'	
			5	B		90° 30'	
			6	R	7:48	90° 35'	
		=	7	Y		90° 00'	
			8	B		90° 00'	
			9	Y		89° 00'	
		=	10	B		89° 50'	
			11	R	7:51	89° 45'	
			12	Y		89° 55'	
			13	B		90° 00'	
			14	Y		90° 00'	
			15	B		90° 00'	
			16	R	7:55	89° 20'	
			17	Y		89° 55'	
		=	18	B		89° 55'	
			19	Y		89° 50'	
			20	B		90° 00'	
			21	R	8:00	89° 30'	

OFFSET TO LEFT.

Range 132+00 (N) ON 700'

F.B. 150 pg. 210

Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date Date 12-48 No. X-Sec.

Survey by Meinecke Notes HHR 11-9-48 Notes Chkd. Checked No.

Indexed 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
124 +00	N-3	1	R	10 46	163 00	Range Line 130+00 (N)
		2	Y		161 50	Boat going out
		3	B		159 35	
		4	Y		158 55	
		5	B		158 35	
		6	R	10 51	155 55	
		7	Y		156 05	
	"	8	B		154 05	
	"	9	Y		151 50	
	"	10	B		150 55	
	"	11	R	10 56	150 05	
	"	12	Y		147 30	
	"	13	B		145 55	
	"	14	Y		144 25	
	"	15	B		138 15	
	"	16	R	11 04	134 25	
	"	17	Y		127 30	
		18	B		122 05	
		19	Y		116 45	
		20	B	11 13	114 05	End of Line

Offset 700' to the left

Cut-in 130+00 (N)

Profile No. ___ Notes Red ___ Plotted M. U. M. H. Job No. 8412 Division No. V F.B. 150 No. 211
X-Sec. No. ___ Date ___ Date 12-48 Survey of Beach Erosion
Notes Chkd. ___ Checked ___ Date ___ Date ___
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
126	N-3	1	R	0735	160 45	Range Line 132+00(N)
+00		2	Y		160 00	Boat Going Out
		3	B		157 00	(11/9/48)
		4	Y		157 10	
		5	B		154 45	
	"	6	R	0748	153 25	
		7	Y		151 55	
	"	8	B		150 40	
		9	Y		148 30	
	"	10	B		146 30	
		11	R	0750	144 40	
	"	12	Y		142 50	
		13	B		140 55	
		14	Y		138 20	
		15	B		136 35	
	"	16	R	0754	131 05	
		17	Y		126 45	
		18	B		124 30	
		19	Y		120 00	
		20	B		117 15	
		21	R	0800	114 45	

Cut-in 132+00 (N) offset 700' to the left

F.B. 1/3 Pg. 212 Job No. 8412 Division No. V Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Klemeck Notes RJM 11/9/48 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.

Profile No. ____ X-Sec. No. ____ Date 11-26-48 Date 12-__-48 Survey of Beach Erosion Survey by Marine Division CES Date 11-27-48 Date ____ Map No. ____ Amended Johnson Date ____ Job No. 84-36 Division No. ____ F.B. 46/Pg. 213

STATION #	Color	Time	B.S.	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~10:45~~		7.5	58	33	2.5	RANGE LINE 130+00 (N)
2	Y	9:45		5.8	69	33	3.6	
3	B			7.8	83	33	5.0	
4	Y			9.5	94	33	6.1	
5	B			10.8	94	33	6.1	
6	R	~~10:51~~		12.0	117	33	8.4	
7	Y	9:51		12.4	121	33	8.8	
8	B			11.8	127	33	9.4	
9	Y			13.8	145	33	11.2	
10	B			15.1	158	33	12.5	
11	R	~~10:56~~		15.5	174	33	14.1	
12	Y	9:56		18.8	194	33	16.1	
13	B			20.8	207	33	17.4	
14	Y			22.0	218	33	18.5	
15	B			21.5	227	33	19.4	
16	R	~~11:03~~		22.4	237	33	20.4	
17	Y	10:03		23.3	255	33	22.2	
18	B			24.6	270	33	23.7	
19	Y			27.3	288	33	25.5	
20	B			28.6	297	33	26.4	

Boat
130+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 X-Sec. No. Plotted H. U. M. M. No. 12 - 48 Date 12-26-48 Checked Date No.

Notes Red. M. J. Date 11-26-48 Notes Chkd. Date

Division No. 8412 Job No. Beach Erosion Notes TIMES, Nov 9-48 Date

Survey of Beach Erosion Survey by Meinzer Indexed C. Johnson Date

F. B. 5 PG. 214

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	B	~~7:34~~	8 5	80	40	4.0	Range Line 132+00 (N)
2	Y	6:34	9 1 ? 7 3	79	40	3.9	
3	B		9 2	103	40	6.3	
4	Y		10 8	105	40	6.5	
5	B		12 8	121	40	8.1	
6	B	~~7:47~~	13 8	138	39	9.4	
7	Y	6:47	14 3	144	39	10.5	
8	B		15 3	158	39	11.9	
9	Y		17 6	177	39	13.8	
10	B		20 6	196	39	15.7	
11	R	~~7:50~~	22 8	213	39	17.4	
12	Y	6:50	23 6	223	39	18.4	
13	B		24 5	230	39	19.1	
14	Y		22 7	230	39	19.1	
15	B		22 9	237	39	19.8	
16	R	~~7:54~~	23 5	243	39	20.4	Boat 132+00 (N)
17	Y	6:54	25 4	259	39	22.0	
18	B		26 3	265	39	22.6	
19	Y		27 1	279	39	23.8	
20	B	6:59	28 5	291	38	25.3	
21	R	~~7:59~~	38 5	297	38	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 CHECKED 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	
134	N-3	1	R	8:09	90° 05'	RANGE LINE	∡ = 90°
+00		2	Y		90° 10'		
(N)		3	B		89° 10'		
		4	Y		89° 50'		
		5	B		90° 00'		
	=	6	R	8:16	90° 00'		
		7	Y		89° 35'		
	=	8	B		90° 00'		
		9	Y		90° 25'		
		10	B		90° 30'		
	=	11	R	8:22	89° 55'		
		12	Y		90° 50'		
		13	B		90° 00'		
		14	Y		89° 55'		
	700'	15	B		89° 50'		
		16	R (Y)	8:28	89° 50'		
		17	Y		90° 00'		
	=	18	B		90° 00'		
		19	Y		89° 15'		
		20	B		88° 50'		

ON 700' OFFSET TO LEFT.

Range 134+00 (Y)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 150 Pg. 215
X-Sec. No. ____ Date ____ Date 12-48 Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey by KLEINECK Notes HHR Date 11-9-48
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 At	Inst. Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
136 +00 (N)	N-3	1	R	8:42	88°30'	RANGE LINE ∡ = 90°
		2	Y		89°00'	
		3	B		90°30'	
		4	Y		90°15'	
		5	B		90°00'	
		6	R	8:44	90°15'	
	=	7	Y		90°40'	
		8	B		91°00'	
	=	9	Y		91°00'	
		10	B		90°20'	
		11	R	8:47	89°50'	
	=	12	Y		89°40'	
		13	B		89°55'	
		14	Y		90°10'	
		15	B		90°00'	
	700'	16	R	8:50	89°40'	
		17	Y		89°15'	
	=	18	B		90°30'	
		19	Y		90°00'	
		20	B		89°20'	
		21	R	9:01	89°35'	

Range 136+00 (N) ON 700' OFFSET TO LEFT.

F.B. 150 Pg. 216 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of BEACH EROSION Date 12-48 No. X-Sec.
Survey by KLEINECK Notes HHR 11-9-48 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. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
126 +00	N-3	1	R	0809	119 05	Range Line 134+00 (N)
		2	Y		122 25	Boat comming in
		3	B		123 45	
		4	Y		126 15	
		5	B		127 55	
		6	R	16	133 10	
	"	7	Y		136 05	
		8	B		139 40	
	"	9	Y		143 15	
		10	B		147 10	
	"	11	R	22	151 15	
		12	Y		154 05	
	"	13	B		154 30	
		14	Y		156 10	
		15	B		157 30	
		16	Y	28	159 45	
	"	17	Y		161 25	
		18	B		162 35	
		19	Y		164 20	
		20	B	38	165 40	

Offset 700' to the left

Cut-in 134+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. V F.B. 150 Pg. 217
X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Date 12-48 Survey of Beach Erosion
Survey by Pierce Notes RTM Date 11/9/48
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.

Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
126 +00	N-3	1	R	42	168 55	Range Line 136+00 (N) Boat going out (11/9/48)
		2	Y		168 20	
		3	B		167 55	
		4	Y		167 45	
	"	5	B		166 30	
		6	R	44	166 05	
		7	Y		165 15	
	"	8	B		164 15	
		9	Y		163 30	
	"	10	B		162 20	
		11	R	47	161 30	
	"	12	Y		160 50	
		13	B		159 35	
		14	Y		159 10	
		15	B		158 20	
	"	16	R	50	156 50	
		17	Y		155 20	
		18	B		150 30	
		19	Y		141 35	
		20	B		132 05	
		21	R	09 00	127 30	

Cut-in 136+00 (N) Offset 700' to the Left

F.B. 501 Pg. 218 Job No. 8412 Division No. V Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 12-48 No. X-Sec.
Survey by Kleineck Notes RJM 11/9/48 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 IN INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

Profile No. ____ Date ____ X-Sec. No. ____ Date ____ Notes Red 29 X Date 11-26-48 Notes Chkd ____ Date ____ Plotted M.U.M.M. Date 12-- Checked ____ Date ____ Job No. 8412 Survey of Beach Erosion Survey by ____ Map No. ____ Division No. ____ Chkd. Johnson Date ____ F.B. 8/8 Pg. 21

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	R	~~8:08~~	31 5 / 30 5	308	38	27.0	RANGE LINE 134+00 (N)
2	Y	7:08	30 5 / 29 2	296	38	25.8	
3	B		29 0 / 28 4	286	38	24.8	
4	Y		28 5 / 27 4	278	38	24.0	
5	B		28 9 / 26 4	272	38	23.4	
6	R	~~8:15~~	26 5 / 25 5	258	37	22.1	
7	Y	7:15	26 0 / 24 5	250	37	21.3	
8	B		25 8 / 23 3	241	37	20.4	
9	Y		24 0 / 22 0	227	37	19.0	
10	B		23 0 / 21 6	221	37	18.4	
11	R	~~8:21~~	22 1 / 19 8	206	37	16.9	
12	Y	7:21	20 1 / 19 1	194	37	15.7	
13	B		20 1 / 17 7	185	37	14.8	
14	Y		17 3 / 16 3	166	37	12.9	
15	B		16 3 / 14 8	153	37	11.6	
16	Y	~~8:26~~	13 9 / 13 2	184	37	9.7	
17	Y	7:26	12 6 / 11 1	116	37	7.9	
18	B		10 7 / 10 1	101	37	6.4	
19	Y		9 9 / 8 3	8.8	37	5.1	
20	B		8 0 / 7	7.1	37	3.4	

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 #	Color	B. S. Time	H.I. Meas. Depth	F. S. Botom	ELEV. Ht. Tide	Adj. Depth		Remarks
1	R	~~8:41~~	20 / 5 5	60	36	2.4	RANGE	LINE 136+00 (N.)
2	Y	7:41	5 0 / 6 7	71	36	3.5		
3	B		8 5 / 7 5	78	36	4.2		
4	Y		8 6 / 8 3	84	36	4.8		
5	B		10 5 / 9 4	98	36	6.2		
6	R	~~8:43~~	11 0 / 10 4	106	36	7.0		
7	Y	7:43	12 8 / 11 2	117	36	8.1		
8	B		13 6 / 13 8	130	36	9.4		
9	Y		14 8 / 13 2	137	36	10.1		
10	B		16 9 / 14 4	152	36	11.6		
11	R	~~8:46~~	17 4 / 15 5	161	36	12.5		
12	Y	7:46	17 9 / 16 4	169	36	13.3		
13	B		19 1 / 17 3	179	36	14.3		
14	Y		20 2 / 18 8	193	36	15.7		
15	B		21 2 / 19 7	202	36	16.6		
16	R	~~8:49~~	22 0 / 21 1	214	36	17.8		
17	Y	7:49	23 2 / 22 2	225	36	18.9		
18	B		24 0 / 23 4	236	36	20.0		
19	Y		26 5 / 24 9	254	36	21.8		
20	B	7:59	28 8 / 26 7	274	36	23.8		
21	R	~~8:59~~	30 2 / 28 7	292	35	25.7		

Boot 136+00 (N)

F.B. 160 PG. 220 Job No. 8417 Division No. Notes Rdd. M.F. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 11-26-48 Date 12-48 No.
Survey by Meineck Notes T.M.B. 11-9-48 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. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
138	N-3	1	R	9:12	89° 55'	RANGE LINE ∡ = 90°
+00		2	Y		89° 45'	
(N)		3	B		89° 30'	
		4	Y		89° 40'	
		5	B		89° 40'	
	=	6	R	9:26	90° 00'	
		7	Y		90° 00'	
	=	8	B		89° 35'	
		9	Y		90° 00'	
		10	B		90° 00'	
		11	R	9:34	91° 25'	
	=	12	Y		89° 45'	
		13	B		90° 50'	
		14	Y		91° 00'	
	700'	15	B		91° 00'	
		16	R	9:38	90° 25'	
		17	Y		91° 00'	
		18	B		91° 00'	
	=	19	Y		91° 20'	

ON 700' OFFSET TO LEFT

Range 138+00 (N)

Profile No. ____ Date ____ Notes Chkd. ____ Date ____ Plotted H. U. M. H. Date 12-__-49 Checked ____ Job No. 8412 Survey of BEACH EROSION Survey by [illegible] Map No. ____ Indexed [illegible] Division No. ____ Date ____

F.B. 150 Pg. 221

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
140 +00 (N)	N-3	1	R	9:51	91° 15'	RANGE LINE ∡ = 90°
		2	Y		90° 20'	
		3	B		90° 50'	
		4	Y		90° 30'	
		5	B		90° 00'	
		6	R	9:56	91° 00'	
		7	Y		91° 00'	
		8	B		89° 50'	
		9	Y		90° 15'	
	=	10	B		91° 00'	
		11	R	10:00	90° 20'	
		12	Y		89° 25'	
	=	13	B		90° 35'	
		14	Y		89° 50'	
		15	B		90° 00'	
		16	R	10:07	90° 30'	
		17	Y		90° 20'	
		18	B		90° 30'	
	=	19	Y		90° 30'	

Range 140+00 (N) ON 700' OFFSET TO LEFT.

Profile
Plotted H. U. M. H. Date 12-48 No.
X-Sec.
Checked Date No.
Notes Red Date
Notes Chkd Date
Division No. 8412
Job No. 8412
Survey of BEACH EROSION
Survey by KLEINECK Notes HHR 11-9-48
Indexed C. Johnson 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
132	N-3	1				Range Line 138+00 (N)
+00		2	Y	09 15	114 30	Boat comming in
		3	B		117 15	
		4	Y		119 05	
	"	5	B		121 35	
		6	R	26	126 40	
		7	Y		129 55	
	"	8	B		134 05	
		9	Y		140 05	
	"	10	B		145 05	
		11	R	34	147 20	
	"	12	Y		148 50	
		13	B		151 15	
		14	Y		152 30	
		15	B		153 45	
	"	16	R	38	155 20	
		17	Y		157 05	
		18	B		158 25	
		19	Y	40	160 10	
		20				

offset 700' to the left

Cut-in 138+00 (N)

Profile No. ___ Notes Red ___ Plotted H.U.M.H. Job No. 8412 Division No. ✓ F.B. 1/50 Pg. 8 & 3
Date ___ Date 12-48 Survey of Beach Erosion
X Sec. No. ___ Notes Chkd ___ Checked ___ Survey by Kleinschmidt R.J.M. Date 11/9/48
Date ___ Date ___ Map No. ___ Indexed Johnson 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
132 +00 (N)	N-3	1	R	9 51	166 10	Range Line 140 +00 (N) Boat going out (11/9/48)
		2	Y		166 10	
		3	B		164 55	
		4	Y		163 35	
		5	B		162 55	
		6	R	55	161 25	
	"	7	Y		161 05	
		8	B		160 35	
	"	9	Y		159 30	
		10	B		158 15	
	"	11	R	10 00	156 05	
		12	Y		155 50	
	"	13	B		153 50	
		14	Y		150 55	
		15	B		146 50	
		16	R	07	138 40	
	"	17	Y		130 10	
		18	B		125 30	
		19	Y		121 05	
		20				

Cut-in 140+00 (N) offset 700' to the left

Profile
Survey of Beach Erosion Job No. 8412 Division No. ✓ Notes Red. Plotted H. U. M. H. Date 12-48 No.
Survey by Klemeck Notes RJM 11/9/48 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.

Profile No. ____ X-Sec. No. ____ Notes: Red 2M 23 Plotted H.U.M.M. Job No. 2M 23 Division No. ____
Date 11-26-48 Date 12-48 Survey of Beach Erosion
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 116 Pg. 22

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	R	9:11	30.4	300	34	26.6	RANGE LINE 138+00 (N)
			29.8				
			29.3				
2	Y	8:11	29.0	291	34	25.7	
			27.9				
3	B		27.6	277	34	24.3	
			27.5				
4	Y		26.5	268	34	23.4	
			26.6				
5	B		25.5	259	34	22.5	
			26.0				
6	R	~~9:15~~	24.3	249	33	21.6	
			24.7				
7	Y	8:25	23.8	241	33	20.8	
			23.5				
8	B		22.5	228	33	19.5	
			22.3				
9	Y		21.3	216	33	18.3	
			21.3				
10	B		20.0	204	33	17.1	
			20.9				
11	R	~~9:33~~	19.3	198	33	16.5	
			19.2	183			
12	Y	8:33	17.8	~~179~~	33	15.0	
			17.0				
13	B		16.0	163	33	13.0	
			15.6				
14	Y		15.0	152	33	11.9	
			14.9				
15	B		13.4	139	33	10.6	
			13.5				
16	R	~~9:37~~	12.1	126	33	9.3	
			11.8				
17	Y	8:37	10.0	106	33	7.3	
			10.4				
18	B		8.5	91	33	5.8	
			8.5				
19	Y	~~9:39~~	6.0	75	33	4.3	
		8:39					

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.

F.B. 1016 Pg. 226 | Job No. 5442 Division No. | Notes Red. 74 | Plotted H.U.M.M. | Profile No.
Survey of Beach Erosion | Date 11-26-48 | Date 12-48 | X-Sec. No.
Survey by Meinert | Notes TIME 11-4-48 | Notes Chkd | Checked | Date | No.
Indexed C. Johnson | Date | Date

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Botom	ELEV. Ht. Tide	Adj. Depth		Remarks
1	R	~~9:10~~	7.4 / 5.4	61	32	2.9	Range	140+00 (N)
2	Y	8:50	7.5 / 6.2	66	32	3.4		
3	B		9.3 / 7.3	80	32	4.8		
4	Y		9.8 / 8.4	89	32	5.7		
5	B		11.0 / 9.6	101	32	6.9		
6	R	~~9:55~~	13.5 / 11.0	118	32	8.6		
7	Y	8:55	13.7 / 12.2	127	31	9.6		
8	B		13.5 / 13.0	132	31	10.1		
9	Y		15.9 / 14.5	147	31	11.6		
10	B		17.8 / 16.2	169	31	13.6		
11	R	~~9:59~~	19.8 / 17.9	185	31	15.4		
12	Y	8:59	20.0 / 18.7	191	31	16.0		
13	B		20.3 / 19.8	200	31	16.9		
14	Y		21.5 / 21.0	212	31	18.1		
15	B		24.4 / 22.5	231	31	20.0		
16	R	~~10:06~~	25.7 / 24.1	246	31	21.5	Boat 140+00 (N)	
17	Y	9:06	27.3 / 26.0	264	31	23.3		
18	B		28.5 / 27.2	276	31	24.5		
19	Y	~~10:15~~ 9:15	30.1 / 28.8	292	30	26.2		

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
142 +00 (N)	N-3	1	R	10:30	90° 10'	RANGE LINE ∡ = 90°
		2	Y		89° 30'	
		3	B		90° 20'	
		4	Y		90° 10'	
		5	B		90° 20'	
		6	R	10:36	90° 20'	
	=	7	Y		89° 50'	
		8	B		89° 35'	
	=	9	Y		89° 40'	
		10	B		89° 30'	
		11	R	10:44	89° 50'	
	=	12	Y		89° 30'	
		13	B		89° 10'	
		14	Y		89° 40'	
		15	B		89° 40'	
		16	R	10:47	90° 00'	
		17	Y		90° 00'	
	=	18	B		90° 00'	

ON 700' OFFSET TO LEFT.

Range 142+00 (N)

Profile No. ____ Notes Red ____ Plotted M. U. M. H. Job No. 8412 Division No. ____ F.B. 65/Pg. 227
Date ____ Date 12-48 Survey of BEACH EROSION
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by K. [illegible] Notes H. H. R. Date 11-9-48
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. Sight At	On	R. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
144		"N-3"	1	R	10:55	90° 30'	
+00			2	Y		90° 40'	RANGE LINE ∡ = 90°
(N)			3	B		89° 40'	
			4	Y		89° 35'	
			5	B		89° 40'	
			6	R	10:58	89° 35'	
		"	7	Y		90° 10'	
			8	B		89° 30'	
			9	Y		90° 15'	
		"	10	B		91° 00'	
			11	R	11:01	90° 00'	
			12	Y		90° 35'	
		"	13	B		89° 40'	
			14	Y		89° 50'	
			15	B		89° 50'	
			16	R	11:05	89° 15'	
			17	Y		89° 25'	
			18	B		88° 40'	
		"	19	Y		90° 15'	
			20	B		90° 00'	
			21	R	11:13	89° 40'	

Range 144+00 (N)

ON 700' OFFSET TO LEFT.

F.B. 150 PG. 228 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of BEACH EROSION Date 12-48 No.
Survey by KLEINECK Notes HHR 11-9-48 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	
132 +00 (N)	N-3	1	R	10 30	125 00	Range Line 142 +00 (N)	
		2	Y		125 40	Boat comming in	
		3	B		128 40		
		4	Y		131 45		
		5	B		135 35		
		6	R	36	139 50		
	"	7	Y		147 20		
		8	B		155 15		
		9	Y		159 45		
	"	10	B		160 40		
	"	11	R	43	161 20		
		12	Y		162 05		
		13	B		162 50		
	"	14	Y		164 05		
		15	B		164 50		
		16	R	47	166 30		
	"	17	Y		167 20		
		18	B	48	168 25		
		19					
		20					

Offset 700' to the Left

Cut-in 142+00 (N)

Profile No. ___ Notes Red. ___ Plotted H. U. M. H. Job No. 8412 Division No. ✓ F.B. 150 Pg. 229

X-Sec. No. ___ Date ___ Date 12-48 Survey of Beach Erosion

Notes Chkd. ___ Checked ___ Survey [illegible] Date 11/19/48

No. ___ Date ___ Date ___ Map No. ___ Indexed 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
136 +00 (N)	N-3	1	R	10 55	166 05	Range Line 144+00 (N) Boat going out (11/9/48)
		2	Y		165 55	
		3	B		164 00	
		4	Y		163 10	
		5	B		161 55	
	"	6	R	57	161 05	
		7	Y		159 55	
		8	B		158 40	
	"	9	Y		157 45	
		10	B		157 35	
	"	11	R	11 00	156 10	
		12	Y		155 45	
		13	B		154 15	
	"	14	Y		152 15	
		15	B		148 55	
		16	R	05	141 10	
		17	Y		134 20	
	"	18	B		131 05	
		19	Y		128 00	
		20	B		124 15	
		21	R	11 14	121 10	

Cut-in 144+00 (N) Offset 700' to the Left

F.B. 150 Pg. 230 Job No. 8412 Division No. ✓ Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Kleineck Notes RJM 11/9/55 Notes Chkd. Checked 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 No. _____ X-Sec. No. _____ Notes Rd. 7M-3 Plotted M.U.M.M. Job No. 7M-7 Division No. _____
Date 11-26-48 Date 12-_-48 Notes Chkd. _____ Date _____ Checked _____ Date _____ Survey by [illegible] Date 11-Pa-48
Survey of Beach Front [illegible] Map No. _____ Indexed J. [illegible] Date _____

F.B. 16 Pg. 231

STATION #	Color	B. S. Time	H.I. Water Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	R	~~10:29~~	30.6				
			29.6	299	30	26.9	Range 142+00 (N)
2	Y	9:29	29.4				
			28.1	289	30	25.9	
3	B		27.8				
			27.8	285	30	25.5	
4	Y		27.8				
			26.5	268	30	23.8	
5	B		27.5				
			25.5	262	30	23.2	
6	R	~~10:35~~	24.5				
			24.4	251	30	22.1	
7	Y	9:35	24.0				
			22.5	230	30	20.0	
8	B		22.4				
			21.1	215	30	18.5	
9	Y		20.9				
			20.0	203	30	17.3	
10	B		21.2				
			18.6	195	30	16.5	
11	R	~~10:42~~	18.2				
			17.0	174	29	14.5	
12	Y	9:42	16.5				
			16.0	162	29	13.3	
13	B		15.8				
			14.5	149	29	12.0	
14	Y		13.7				
			12.7	130	29	10.1	
15	B		11.9				
			11.1	114	29	8.5	
16	R	~~10:46~~	10.0				
			9.0	93	29	6.4	
17	Y	9:46	8.5				
			7.4	78	29	4.9	
18	B		7.0				
			5.1	57	29	2.8	

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.

Profile X-Sec.

Notes Red. M. T. Plotted M. U. M. H. No.
Date 11-26-48 Date 12-48 No.
Notes Chkd. Checked
Date Date No.

Job No. 8417 Division No.
Survey of Beach Erosion
Survey by Hennert Notes T.M. 11-9-46
Indexed C. Johnson Date

F.B. 5 Pg. 232

STATION #	Color	B. S. Time	Meas. Depth	F. S. Botom	Elev. Ht. Tide	Adj. Depth		Remarks
1	R	~~10:54~~	5.0 / 3.7	41	29	1.2	Rings	144+00 (N)
2	Y	9:54	5.0 / 4.5	47	29	1.8		
3	B		7.0 / 6.5	63	29	3.4		
4	Y		8.5 / 7.5	78	29	4.9		
5	B		9.7 / 9.1	93	29	6.4		
6	R	~~10:57~~	11.5 / 10.2	106	29	7.7		
7	Y	9:57	13.7 / 11.7	124	29	9.5		
8	B		16.0 / 13.6	144	29	11.5		
9	Y		16.4 / 15.0	155	29	12.6		
10	B		17.8 / 16.1	167	29	13.8		
11	R	~~11:00~~	18.8 / 17.3	178	29	14.9		
12	Y	10:00	19.7 / 18.6	190	29	16.1		
13	B		21.0 / 19.4	199	29	17.0		
14	Y		22.1 / 20.9	213	29	18.4		
15	B		23.0 / 22.0	223	29	19.4		
16	R	~~11:04~~	23.4 / 22.4	227	28	19.9		
17	Y	10:04	25.1 / 23.7	242	28	21.4	Boat 144+00 (N)	
18	B		25.5 / 25.0	252	28	22.4		
19	Y		27.2 / 26.3	266	28	23.8		
20	B	10:12	28.4 / 26.8	273	28	24.5		
21	R	~~11:12~~	30.0 / 28.2	288	28	26.0		

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	
146 "N-3"	1	R	11:21	90° 20'	RANGE LINE ∡ = 90°	
+00	2	Y		89° 00'		
(N)	3	B		90° 00'		
	4	Y		90° 35'		
	5	B		89° 55'		
	6	R	11:30	90° 25'		
=	7	Y		90° 00'		
	8	B		89° 55'		
	9	Y		90° 35'		
=	10	B		90° 15'		
	11	R	11:35	90° 00'		
	12	Y		90° 00'		
=	13	B		90° 00'		
	14	Y		90° 40'		
	15	B		90° 00'		
	16	R	11:41	90° 00'		
=						

ON 700' OFFSET TO LEFT.

Range 146+00 (N)

Profile No. ____ Notes Red ____ Plotted M.U.M.H. Job No. 8412 Division No. ____ F.S. 465 No. 2.3.5
Date ____ Date 12-48 Survey of BEACH EROSION
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-9-48
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	
148	N-4	1	R	7:48	90° 00'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 10'		
(N)		3	B		90° 40'		
		4	Y		89° 20'		
		5	B		89° 40'		
	"	6	R	7:50	89° 30'		
		7	Y		90° 40'		
		8	B		90° 15'		
	"	9	Y		90° 00'		
		10	B		89° 30'		
		11	R	8:01	91° 05'		
		12	Y		90° 45'		
	"	13	B		91° 10'		
		14	Y		89° 05'		
		15	B		90° 10'		
		16	R	8:08	88° 50'		
		17	Y		89° 40'		
		18	B		89° 50'		
		19	Y		89° 00'		
		—					

Range 148+00 (N)

ON 700' OFFSET TO LEFT.

ON 700'

F.B. 150 Pg. 234 Job No. 8412 Division No. Notes Red. Plotted H. U. M. M. Profile

Survey of BEACH EROSION Date 12-48 No. X-Sec.

Survey by KLEINECK Notes HHR 11-10-48 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. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
136	N-3	1	R	11 21	126 30	Range Line 146+00 (N)
+00		2	Y		127 50	Boat comming in
		3	B		131 25	
		4	Y		136 20	
		5	B		141 30	
		6	R	30	150 15	
		7	Y		156 40	
		8	B		159 25	
		9	Y		161 15	
		10	B		162 05	
		11	R	35	162 50	
		12	Y		163 10	
		13	B		163 55	
		14	Y		165 10	
		15	B		166 15	
		16	R	40	165 30	
		17				
		18				
		19				
		20				

offset 700' to the left

Cut-in 146+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. V
X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Klemeck Notes RJM Date 11/9/48
No. ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. No. 235

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	
142+00	N-3	1	R	7 49	159 15	Range line 148+00 (N)	
		2	Y		157 30	going out	
		3	B		156 00		
		4	Y		154 40		
		5	B		153 20		
		6	R	7 51	152 10		
		7	Y		151 55		
		8	B		151 30		
		9	Y		149 10		
		10	B		148 25		
		11	R	8 01	145 45		
		12	Y		143 50		
		13	B		142 35		
		14	Y		136 40		
		15	B		129 55		
		16	R	8 08	123 40		
		17	Y		119 10		
		18	B		116 25		
		19	Y		112 05		
		20	B				

OFFSET 700' TO THE LEFT

Cut-in 148+00 (N)

F.B. 1/01/Pg. 236 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 12-48 No. X-Sec.
Survey by Klieneck Notes S. H. 4/10/48 Notes Chkd. Checked No.
Indexed 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.

Profile No. _____ X-Sec. No. _____
Notes Red. 7-31 Plotted H.U.M.M. Job No. 64-74 Division No. 2-5-51
Date 11-26-48 Date 12-[illegible]-48 Survey of [illegible]
Notes Chkd. _____ Checked _____ Survey by [illegible] Date 11-[illegible]
Date _____ Date _____ Map No. _____ Date _____

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Depth	Bottom	Tide	Adj. Depth		Remarks
1	R	~~H.20~~	29.5 28.6	289v	28	26.1	Range	146+00(N)
2	Y	10:20	29.8 27.3	281v	28	25.3		
3	B		27.9 26.0	266v	28	23.8		
4	Y		25.7 25.0	259v	28	23.1		
5	B		25.9 23.5	243v	28	21.5		
6	R	~~H.29~~	24.0 22.2	228v	28	20.0		
7	Y	10:29	23.0 20.8	215v	28	18.7		
8	B		20.6 19.6	199v	28	17.1		
9	Y		18.6 17.6	179v	28	15.1		
10	B		16.5 15.5	158v	28	13.0		
11	R	~~H.34~~	16.4 13.7	146v	28	11.8		
12	Y	10:34	13.0 12.2	125v	28	9.7		
13	B		11.6 11.3	114v	28	8.6		
14	Y		9.6 9.2	93v	28	6.5		
15	B		7.7 6.7	70v	28	4.2		
16	R	~~H.39~~	10.6 7.6	86v	27	4.9	Boat shifted out	
17	Y	10:39						
18	B							
19	Y							
20	B							

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.

F. 1456 / Pg. 251 | Job No. 8412 Division No. | Notes Red. 7M-7 Plotted H. U. M. M. Profile | Survey of Beach Erosion | Date 11-26-48 Date 12-48 No. X-Sec. | Survey by Maurer Notes Tot. 11-8-48 Notes Chkd. Checked No. | Indexed A. C. Johnson Date Date Date

STATION #	Color	B. S. Time	Meas. Depth	F. S. Botom	Elev. Ht. Tide	Adj. Depth		Remarks
1	R	~~7:49~~	9.5 5.8	70✓	44	2.6	Range	148+00(N)
2	Y	6:49	9.5 7.5	82✓	44	3.8		
3	B		11.0 9.2	98✓	44	5.4		
4	Y		11.5 10.5	108✓	44	6.4		
5	B		14.0 12.0	127✓	44	8.3		
6	R	~~7:51~~	15.0 13.0	137✓	44	9.3		
7	Y	6:51	16.0 14.9	153✓	44	10.9		
8	B		17.3 16.0	164✓	44	12.0		
9	Y		19.7 17.8	184✓	44	14.0		
10	B		20.0 19.5	199✓	44	15.3		
11	R	~~8:01~~	23.0 20.9	216✓	44	17.2		
12	Y	7:01	23.9 22.1	229✓	44	18.3		
13	B		24.5 23.0	235✓	44	19.1		
14	Y		24.5 24.0	242✓	44	19.8		
15	B		26.3 25.1	255✓	44	21.1		
16	R	~~8:08~~	26.5 26.0	262✓	43	21.9	Boat 148+00(N)	
17	Y	7:08	29.8 27.5	282✓	43	23.9		
18	B		29.5 28.5	284✓	43	24.5		
19	Y	~~8:14~~ 7:14	31.2 29.5	301✓	43	25.8		

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
150	N-4	1	R	8:30	89°45'	RANGE LINE ∡ = 90°
+00		2	Y		90°35'	
(N)		3	B		89°30'	
		4	Y		89°40'	
		5	B		89°20'	
		6	R	8:41	90°15'	
	=	7	Y		89°50'	
		8	B		90°15'	
	=	9	Y		90°35'	
		10	B		90°35'	
		11	R	8:50	90°45'	
	=	12	Y		90°20'	
		13	B		89°15'	
		14	Y		90°00'	
	700'	15	B		90°40'	
		16	R	8:54	89°35'	
		17	Y		92°35'	
		18	B		91°10'	
	=	19	Y		91°10'	
		20	B		89°25'	

ON 700' OFFSET TO LEFT.

Range 150+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. M. Job No. 8412 Division No. ____ F.B. 150 Pg. 229
X-Sec. No. ____ Date ____ Date 12-48 Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey by KLEINECK Notes H H R Date 11-10-48
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson 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
152 +00 (N)	N-6	1	R	9:07	91° 20'	RANGE LINE ∡=90°
		2	Y		91° 40'	
		3	B		89° 55'	
		4	Y		90° 55'	
		5	B		89° 55'	
		6	R	9:19	91° 05'	
	=	7	Y		90° 40'	
		8	B		90° 30'	
		9	Y		90° 15'	
	=	10	B		91° 20'	
		11	R	9:21	90° 00'	
		12	Y		89° 30'	
	=	13	B		89° 35'	
		14	Y		89° 00'	
		15	B		89° 40'	
		16	R	9:27	89° 35'	
		17	Y		89° 40'	
	=	18	B		89° 10'	
		19	Y		90° 10'	

Range 152+00 (N) ON 700' OFFSET TO LEFT.

F.B. 150/Pg. 240 Job No. 8412 Division No. Notes Red. Plotted H. U. M. M. Profile
Survey of BEACH EROSION Date 12-48 No.
Survey by KLEINECK Notes HHR 11-10-48 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
142+00	N-3	1	R	8 30	117 35	Range line 150+00 (N)
		2	Y		121 20	Coming in
		3	B		121 50	
		4	Y		127 35	
		5	B		132 35	
		6	R	8 41	139 05	
		7	Y		141 50	
		8	B		147 10	
		9	Y		150 15	
		10	B		152 55	
		11	R	8 50	154 45	
		12	Y		156 15	
		13	B		156 50	
		14	Y		157 10	
		15	B		158 45	
		16	R	8 54	159 55	
		17	Y		160 40	
		18	B		161 40	
		19	Y		163 30	
		[illegible]	B		164 55	

OFFSET 700' TO THE LEFT.

Cut-in 150+00 (N)

Profile Notes Red ____ Plotted H. U. M. M. Job No. 8412 Division No. ____ F. B. 6/5/70 Pg. 241
No. ____ Date ____ Date 12-4-48 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Klienau Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed Job [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
142+[illegible]-3						
00		1	R	9 08	167 00	Range line 152+00(N)
		2	Y		166 10	going out
		3	B		165 40	
		4	Y		164 40	
		5	B		163 25	
	"	6	R	9 20	163 20	ok
		7	Y		162 10	
	"	8	B		161 10	
		9	Y		160 35	
	"	10	B		159 35	
		11	R	9 22	158 10	
		12	Y		156 20	
	"	13	B		154 55	
		14	Y		150 05	
		15	B		146 00	
	"	16	R	9 28	141 40	
		17	Y		137 10	
		18	B		131 53	
		19	Y		126 20	
		20	B			

Cut-in 152+00(N)
Offset 720' to the left

F.B. No. 244 Job No. 8412 Division No. Notes Red. Plotted H. U. M. M. Profile
Survey of Beach Erosion Date 12-48 No.
Survey by Blueneck Notes S.H. 11/10/48 Notes Chkd. Checked X-Sec.
Indexed C. Jaintsman 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	~~8:30~~	31.8 29.9	305	42	26.3	Range	150+00(N)
2	Y	7:30	30.0 28.9	293	42	25.1		
3	B		29.5 28.0	285	42	24.3		
4	Y		27.5 26.5	268	42	22.6		
5	B		27.0 25.1	257	42	21.5		
6	R	~~8:41~~	25.5 24.0	245	41	20.4		
7	Y	7:41	24.5 23.0	235	41	19.4		
8	B		24.5 22.5	232	41	19.1		
9	Y		23.1 21.1	218	41	17.7		
10	B		22.1 20.0	207	41	16.6		
11	R	~~8:50~~	19.6 18.1	186	40	14.6		
12	Y	7:50	18.8 16.5	171	40	13.1		
13	B		16.1 14.9	153	40	11.3		
14	Y		14.8 13.5	139	40	9.9		
15	B		13.4 11.8	125	40	8.5		
16	R	~~8:54~~	10.9 10.3	105	40	6.5		
17	Y	7:54	10.8 8.6	93	40	5.3		
18	B		8.9 8.0	85	40	4.5		
19	Y		8.0 6.0	67	40	2.7		
20	B		6.0 5.0	53	40	1.3		

Boat

Profile No. ____ Date 11-26-48 Plotted H.U.M.H. Job No. 84476 Revision No. ____ Survey of Beach Erosion
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Date 11-10-48
Map No. ____ Date ____ Map No. ____ Date ____ Made by [illegible] Date ____
F.B. [illegible]

FORM 207 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 X-Sec.

Notes Red. TM Plotted M.U.M.H. Date 12-48 No.

Notes Chkd. Date 1-26-48 Checked Date No.

Division No. Date 11-10-48

Job No. Notes T.M. Date

Survey of Survey by Indexed

STATION #	Color	B. S. Time	H.I. Meas. Depth	F. S. Botom	ELEV. Ht. Tide	Adj. Depth		Remarks
1	R	~~8:08~~	5.3 4.5	48	39	0.9	Range	152+00(N)
2	Y	8:08	6.6 6.0	62	39	2.3		
3	B		7.5 7.0	72	39	3.3		
4	Y		9.5 8.0	85	39	4.6		
5	B		11.0 9.3	99	39	6.0		
6	R	~~8:19~~	10.3 10.0	101	38	6.3		
7	Y	8:19	12.0 11.3	115	38	7.7		
8	B		15.0 12.9	136	38	9.8		
9	Y		16.0 14.3	149	38	11.1		
10	B		17.0 16.0	163	38	12.5		
11	R	~~8:21~~	19.7 17.7	185	38	14.7		
12	Y	8:21	21.7 21.3	214	38	17.6		
13	B		23.8 22.8	231	38	19.3		
14	Y		25.5 22.7	236	38	19.8		
15	B		24.7 23.5	239	38	20.1		
16	R	~~8:28~~	25.6 25.0	252	38	21.4	Boat 152+00(N)	
17	Y	8:28	28.0 25.8	262	37	22.5		
18	B		29.3 27.5	281	37	24.4		
19	Y	~~8:32~~ 8:32	30.0 29.0	293	37	25.6		

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
154+00 (N)	N-6	1	R	9:45	92° 30'	RANGE LINE ∡ = 90°
		2	Y		91° 35'	Not Plotted
		3	B		91° 00'	
		4	Y		91° 05'	
		5	B		91° 00'	
		6	R	9:49	91° 00'	
		7	Y		90° 40'	
	"	8	B		90° 30'	
		9	Y		90° 00'	
	"	10	B		89° 40'	
		11	R	9:50	89° 15'	
	"	12	Y		89° 40'	
		13	B		90° 40'	
		14	Y		90° 05'	
		15	B		89° 30'	
	700'	16	R	10:00	90° 05'	
		17	Y		90° 25'	
	"	18	B		89° 40'	

ON 700' OFFSET TO LEFT.

Range 154+00 (N)

Profile Notes Red. Plotted H. U. M. M. Job No. 8412 Division No.
No. Date Date 12-48 Survey of BEACH EROSION
X-Sec. Notes Chkd. Checked Survey by KISINECK Notes in H.R. Date 11-10-48
No. Date Date Map No. Indexed Job Name 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
156	N-7	1	R	10:18	93° 00'	RANGE LINE ∡ = 90°
+00		2	Y		90° 25'	
(N)		3	B		90° 00'	
		4	Y		89° 45'	
		5	B		90° 10'	
	"	6	R	10:19	90° 35'	
		7	Y		90° 00'	
		8	B		90° 00'	
	"	9	Y		89° 45'	
		10	B		89° 30'	
		11	R	10:21	89° 50'	
	"	12	Y		89° 15'	
		13	B		89° 25'	
		14	Y		89° 00'	
		15	B		89° 35'	
	700'					
	"					

Range 156+00 (N)

ON 700' OFFSET TO LEFT.

Job No. 8412 Division No. Notes Red. Plotted H. U. M. M. Profile
Survey of BEACH EROSION Date 12-48 No.
Survey by KLEINECK Notes HHR 11-10-48 Notes Chkd. Checked X-Sec.
Indexed by 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
1484 00	~~[illegible]~~ 700' Offset point on. 154+00	1	R	9 45	161 00	Range line 154+00 (W) going out
		2	Y		159 30	
		3	B		158 20	
		4	Y		157 05	
		5	B		157 15	
		6	R	9 49	155 55	
		7	Y		154 55	
		8	B		153 40	
		9	Y		152 30	
		10	B		151 05	
		11	R	9 50	149 30	
		12	Y		147 10	
		13	B		145 10	
		14	Y		140 20	
		15	B		128 10	
		16	R	10 00	123 35	
		17	Y		119 10	
		18	B		116 00	
		19	Y			
		20	B			

OFFSET 700' TO THE LEFT

hot Plotted

Cut-in 154+00 (W)

Profile No. ____ Notes Red ____ Plotted H.U.M.M. Job No. 8412 Division No. ____ F.B. 1650 Pg. [illegible]

X-Sec. No. ____ Date ____ Date 12-48 Survey of Beach Erosion

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

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.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
148+00	W-Y 700'	1	R	10 18	163 20	Range line 156+00 @ 1 going out.
	Offset	2	Y		162 25	
	Point on	3	B		160 35	
	Sta	4	Y		159 10	
	154+00	5	B		157 50	
	"	6	R	10 20	156 45	
	"	7	Y		154 40	
	"	8	B		152 35	
	"	9	Y		150 25	
	"	10	B		148 05	
	"	11	R	10 22	145 50	
	"	12	Y		141 25	
	"	13	B		130 45	
	"	14	Y		124 25	
	"	15	B	10 28	119 45	
	"	16	R			
	"	17	Y			
	"	18	B			
	"	19	Y			
	"	20	B			

Cut-in 156+00 (N)

OFFSET 700' TO THE LEFT

Job No. 8412 Division No. Notes Red. Plotted H. U. M. M. Profile
Survey of Beach Erosion Date Date No.
Survey by Phoenix Notes S.H. 11/10/48 Notes Chkd. Checked X-Sec.
Indexed G. 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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	~~9:46~~	3.6 / 3.0	32	36	+0.4	Range 154+00(N)
2	Y	8:46	8.0 / 5.3	62	36	2.6	
3	B		9.5 / 7.0	78	36	4.2	
4	Y		9.4 / 8.3	87	36	5.1	
5	B		10.5 / 9.7	100	36	6.4	
6	R	~~4:49~~	10.7 / 10.3	104	36	6.8	
7	Y	8:49	13.0 / 12.0	123	36	8.7	
8	B		14.0 / 12.5	130	36	9.4	
9	Y		13.7 / 12.0	132	36	9.6	
10	B		17.5 / 15.2	160	36	12.4	
11	R	~~9:50~~	19.3 / 17.7	182	36	14.6	
12	Y	8:50	22.0 / 20.8	212	36	17.6	
13	B		24.0 / 22.3	229	36	19.3	
14	Y		24.8 / 23.0	236	36	20.0	
15	B		24.5 / 23.[illegible]	235	36	19.9	
16	R	~~10:00~~	27.2 / 25.[illegible]	262	35	22.7	
17	Y	9:00	30.0 / 28.[illegible]	289	35	25.4	
18	B		31.0 / 29.8	30[illegible]	35	26.7	

Profile No. ____ Date 11-26-48 Notes Red. M. K. Plotted H. U. M. H. Date 12-48 Job No. [illegible] Survey of Beach Erosion

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Map No. ____ Traced ____

B047

Notes Red. M. Ef. Plotted M. U. M. M.
Date 11-26-48 Date 12-[illegible]-48 No. X-Sec
Notes Chkd. Checked
Date Date No.

#	Color	Time	Meas. Depth	Botom	Tide	Adj. Depth		Remarks
1	R	~~10:18~~	7.3 / 5.0	58	33	2.5	Range	156+00(N)
2	Y	9:18	7.3 / 6.3	66	33	3.3		
3	B		9.0 / 7.8	82	33	4.9		
4	Y		10.8 / 9.8	101	33	6.8		
5	B		12.5 / 11.3	117	33	8.4		
6	R	~~10:20~~	14.7 / 13.0	136	33	10.3		
7	Y	9:20	16.0 / 15.0	153	33	12.0		
8	B		19.5 / 18.0	185	33	15.2		
9	Y		22.5 / 20.3	210	33	17.7		
10	B		22.3 / 22.3	226	33	19.3		
11	R	~~10:22~~	24.0 / 23.0	233	33	20.0		
12	Y	9:22	24.6 / 23.6	239	33	20.6		
13	B		26.0 / 25.3	255	33	22.2		
14	Y		27.9 / 27.1	274	32	24.2		
15	B	~~10:28~~	30.0 / 28.1	290	32	25.8		
		9:28						

(N) 00+[illegible]