Notes Red. _____ Plotted _____ Job No. 8412 Division _____ F.B. [illegible] Pg. 1
Date _____ Date _____ Survey of Beach Erosion Study
Notes Chkd. _____ Checked _____ Survey by Kleineck Notes _____ Date 1946-1947
Date _____ Date _____ Map No. _____ Indexed [illegible] Date 1-20-47

BEACH EROSION SURVEY

"SANTA MONICA HARBOR —
TOPANGA CANYON AREA."

Base Line Sta's 687+93.66(N) TO
715+50(N), incl., cont'd From F.B.-1289

Also

"MALIBU AREA."

Base Line Sta's 0+00 to 40+00, incl.
For This Line See: L.A. City F.B.-17724-9.12
: L.A. Co. F.B.-461-112

For Shore Profile Sections See
L.A. City F.B. # 20717.

J.N. 8412. Work Started: July 5, 1946
" Finished: Jan. 10, 1947

G.W. Kleineck
J.W.S. Moore
R. Anderson
R. Hobson
H.R. Stock
J. Gregory
G.O. Harris
R. Mitchell
S. Dickie
L. De Tilla
D. Sappell
Brown
D. Le Gault
A.C. Stangeland
W. Van Deren
C.W. Wallace
H. Gunderson

FORM 307 2M 11-41

F B. 1290 PG. 2 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile

Survey of Beach Erosion Study | Date | Date | No.

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

Indexed | Date | Date | Date | No.

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

FORM 307 2M 11-41

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

Profile No. _____ X-Sec. No. _____

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

Date _____ Date _____ Survey of Beach Erosion Study

Notes Chkd. _____ Checked _____ Survey by Maxwell Notes _____ Date _____

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

F.B. 129 PG. 3

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

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

FORM 307 5M 1-46

F.B. 1298 PG. 4

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

Survey of Beach Erosion Study Date Date No.

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

Indexed Date Date Date No.

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

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.

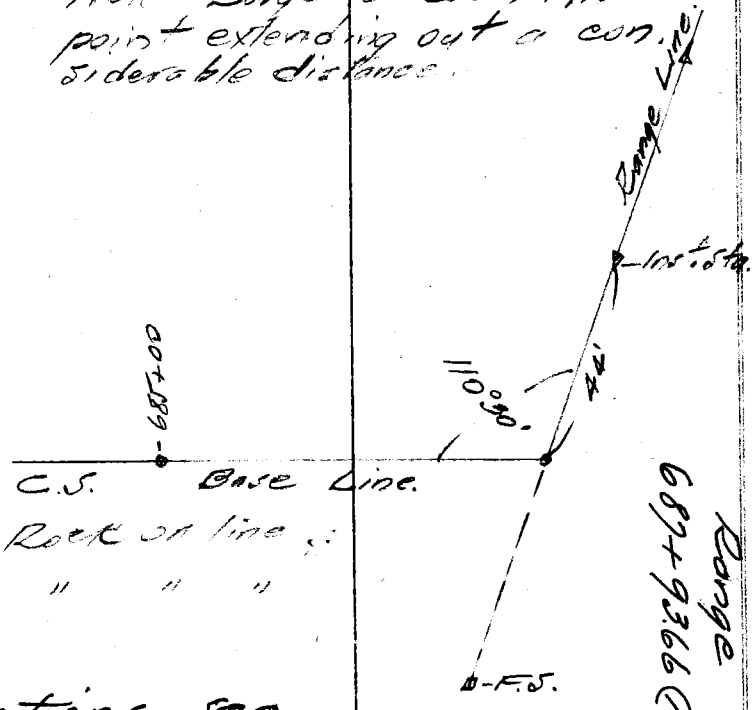
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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
687+	Pt	1	R	1054	18130	Range Line ⇒ = 180° at inst. sta.
93.66	on	2	B		17945	
out	range	3	W		18000	Note: Large rocks on this
44'	line	4	B		17945	point extending out a con-
on	prod'd	5	W		18030	siderable distance.
range	back	6	R	1106	18030	
line	ward	7	B		18000	
from		8	W		17950	
C.S.		9	B		18030	
base		10	W		17940	
line		11	R	1114	17955	
		12	B		17925	
		13	W		17940	
		14	B		17820	C.S. Base Line.
		15	W		18400	Rock on line
		16	R	1116	18820	" " "



Range
687+93.66 (N)

For shore sections see
L.A. City F.B. # 20717.

Profile
No. ____ Date ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. ____ Date ____ 1947 Survey of Beach Erosion
No. ____ Notes Chkd. ____ Checked ____ Survey by Nemec Notes Gulk Date 12-23-46
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 17908 Pg. 5

FORM 307 5M 1-46

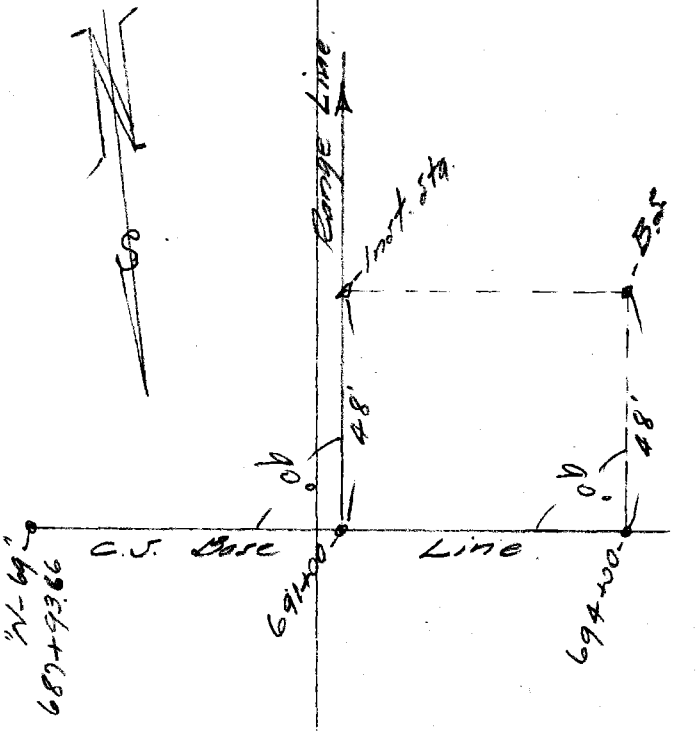
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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
691	B.S.	1	R	1159	90.05	Range Line ∡ = 90° at inst. sta.
+00	on	2	B		90.30	
48'	pt. on	3	W		89.40	
out	range	4	B		90.25	
on	line	5	W		90.30	
range	694+	6	R	1210	89.40	
line	00(N)	7	B		91.05	
from	48'	8	W		88.50	
C.S.	out	9	B		90.30	
Base	from	10	W		90.10	
line	C.S.	11	R	1219	90.25	
	Base	12	B		90.00	
	line	13	W		90.00	
		14	B		87.25	
		15	W		87.30	
		16	R	1224	92.50	
		17	B		88.80	

Range 691+00(N)



F.B. 1290 PG. 6

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

Survey of Beach Erosion Date ____ Date 1947 No. ____

Survey by Meneck Notes Gwk. 12-23-46 Notes Chkd. ____ Checked ____ X-Sec.

Indexed ALBERT E. TIMMONS 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	
697+00	697+00	1	R	10:54	135-25	Range 687+93.66	
100'	on	2	B		132-25		
W	base	3	W		129-35		
out	Line	4	B		127-20		
on		5	W		123-40		
Range		6	R	11:05	122-10		
Line		7	B		120-10		
		8	W		117-25		
		9	B		114-05		
		10	W		113-00		
		11	R	11:13	111-00		
		12	B		109-05		
		13	W		107-15		
		14	B		105-45		
		15	W		103-45		
		16	R	11:17	102-55		

Cut in.
687+93.66 (N)

Profile Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1298 Pg. 7
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Meineck Notes Chkd. Date 12-22-46
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT R. TIMMONS 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
697+	697+	1	R	11:59	162-05	Range 691+00
00	00	2	B		160-05	
100'	on	3	W		158-05	
W	base	4	B		156-30	
out	Line	5	W		153-40	
on		6	R	12:10	149-45	
Range		7	B		147-40	
Line		8	W		142-35	
		9	B		140-00	
		10	W		133-40	
		11	R	12:19	133-25	
		12	B		129-40	
		13	W		121-40	
		14	B		115-35	
		15	W		114-15	
		16	R	12:24	111-45	
		17	B		107-55	

Cut in 691+00 (N)

F.B. 1290 PG. 8

Job No. 2412 Division No. Notes Red Plotted H.U.M.H. Profile

Survey of Beach Erosion Date Date 1942 No.

Survey by Heinrich Notes Cww. 12-23-40 Notes Chkd. Checked X-Sec.

Indexed ALBERT R. TIMMONS 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 Rod [illegible] Plotted H.U.M.H. Job No. 8412 Division No.
Date 2-3-47 Date 1947 Survey of Beach Erosion Notes B.S. Date 12-23-46
Notes Chkd Rcwc. Checked Survey by Herrick Notes B.S. Date
Date 5-8-47 Date Map No. Indexed ALBERT E. TIMMONS Date

F.B. 1998 Pg. 9

STATION #	Color	Time	B. S. - H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	10:55	28.5-30.0	29.2	4.5	24.5	Range 687+93.66 (N)
2	B		27.2-28.8	27.7		23.2	Boat Ins.
3	W		26.0-27.8	26.6	4.4	22.2	
4	B		24.9-26.0	25.3		20.9	
5	W		23.7-25.0	24.3	4.3	20.0	
6	R	11:07	22.5-23.8 ?	24.87	4.2	20.65	? Probably 24.0 - El. 18.8
7	B		21.6-28.0 ?	23.7		19.5	? " 23.0 - El. 17.9
8	W		20.0-21.5	20.5		16.3	
9	B		18.0-12.1	18.4	4.1	14.3	
10	W		16.3-17.8	16.8		12.7	Rock.
11	R	11:15	15.5-17.0	16.0	4.0	12.0	
12	B		14.0-15.7	14.6		10.6	
13	W		12.3-14.0	12.9		8.9	
14	B		10.2-12.6	11.7		7.7	
15	W		8.5-10.0	9.0		5.0	Rock
16	R	11:18	7.0-8.9	7.6	4.0	3.6	" End of Line.

Boat 687+93.66 (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. 270 PG. 10 | Job No. 8412 Division No. | Notes Red HE Date 2-3-47 | Notes Chkd Lowe Date 5-8-47 | Plotted H.U.M.H. 1942 | Profile No. | X-Sec. No.

Survey of Keswick Notes DS 12-2P-47 Date | Checked Date

Survey by Heinrich Notes Date | Indexed ALBERT E. TIMMONS Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	Bottom	F. S. Ht. Tide	ELEV. Adj. Depth	Remarks
1	R	12:00	27.5-29.4	28.0	3.1	24.9	Range 67 (W)
2	B		26.8-28.0	27.2		24.1	Going In.
3	W		25.7-27.2	26.3	3.0	23.3	
4	G		24.2-26.0	24.8		21.8	
5	W		23.2-25.0	23.8	2.9	20.9	
6	R	12:10	22.1-23.0	22.4	2.8	19.6	
7	B		21.4-22.2	20.9		18.1	
8	W		19.3-20.5	19.5		16.7	
9	B		17.0-19.8	18.6	2.7	15.9	
10	W		16.6-17.8	17.0		14.3	Rock
11	R	12:20	14.5-16.0	15.0	2.6	12.4	
12	B		13.5-15.0	14.0		11.4	Rock.
13	W		11.3-12.8	11.8		9.2	
14	G		9.3-11.2	10.4		7.8	
15	W		8.1-10.2	9.1		6.5	
16	R	12:25	7.5-9.0	8.0	2.5	5.5	
17	B		4.5-6.0	5.0		2.5	End of Line.

Boat 69+00 (W)

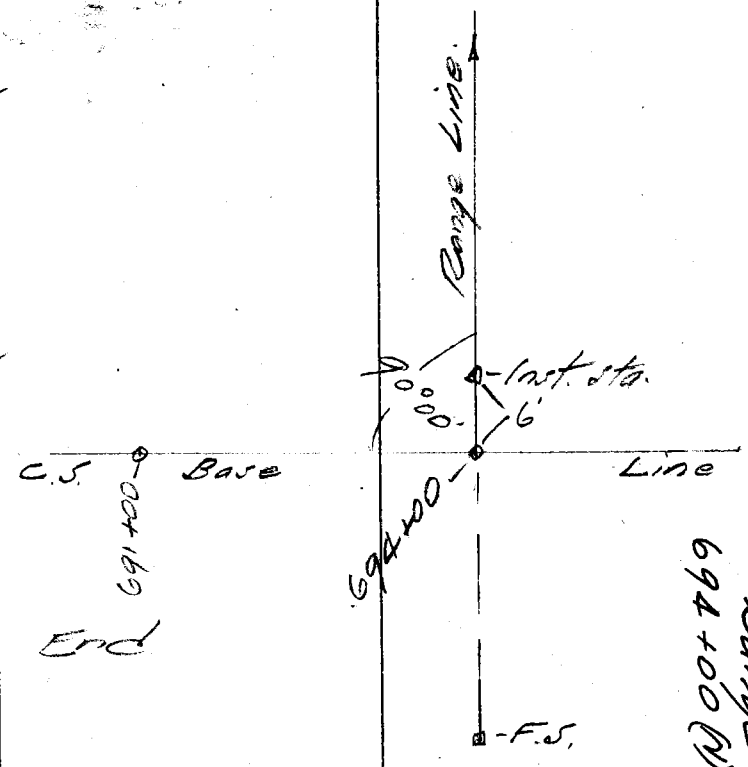
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
694+00 (N)	Pt on range line prod'd back ward.	1	R	1246	17955	Range Line ∡ = 180° at inst sta.
		2	B		17950	
6' out on range line from C.S. base line		3	W		18000	
		4	B		17955	
		5	W		18010	
		6	R	1256	17930	
		7	B		17920	
		8	W		17940	
		9	B		18045	
		10	W		17915	
		11	R	102	18000	
		12	B		18000	
		13	W		17950	
		14	B		18050	
		15	W		17920	
		16	R	107	18010	End



Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleinecke Notes Gulk Date 12-23-46
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT E. TIMMONS Date ____

F.B. 1298 PG. 11

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

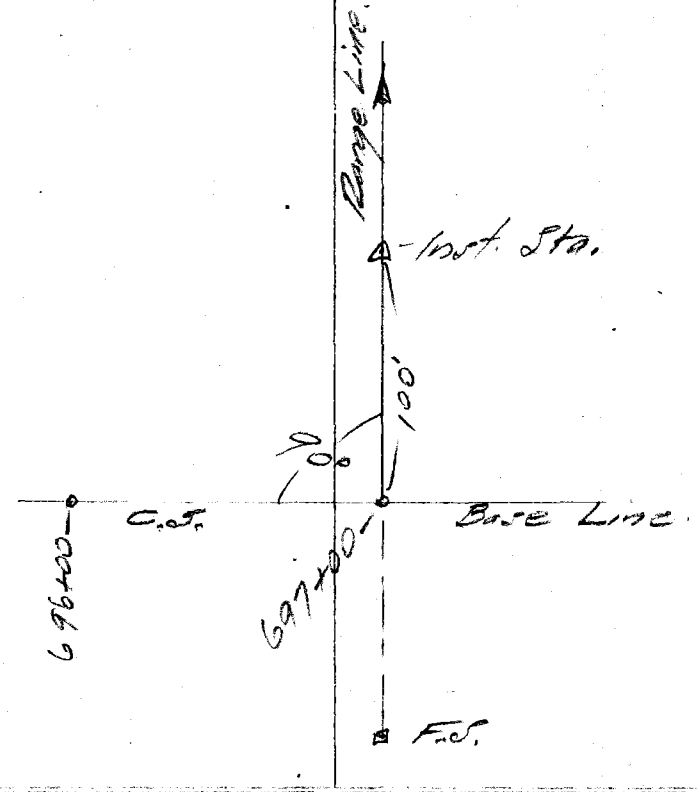
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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
697 +00	Pt. on range line to rear	1	R	8:45	180 15	Coming in
		2	B		180 15	Range Line ∡ = 180° at inst. Sta.
		3	W		180 10	
		4	B		180 15	
		5	W		180 [illegible]	
		6	R	8:54	180 05	
		7	B		180 10	
		8	W		180 00	
		9	B		179 45	
		10	W		179 40	
		11	R	8:58	180 10	
		12	B		180 10	
		13	W		179 50	
		14	B		180 00	
		15	W		180 00	
		16	R	9:03	179 40	
		17	B		178 20	
		18	W		178 30	
		19	B		181 30	
		20	W		176 30	

100' So. on range Line from C.S. base line

Range 697+00 (N)



F.B. R90 PG. 12

Job No. 8412 Division No. ____ Notes Red. ____ Date ____ Plotted H.U.M.H. Date 1947 No. ____ Profile

Survey of Beach Erosion

Survey by Kleineck Notes G.O.H. 1-10-46 Notes Chkd. ____ Checked ____ X-Sec.

Indexed ALBERT E. TIMMONS Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

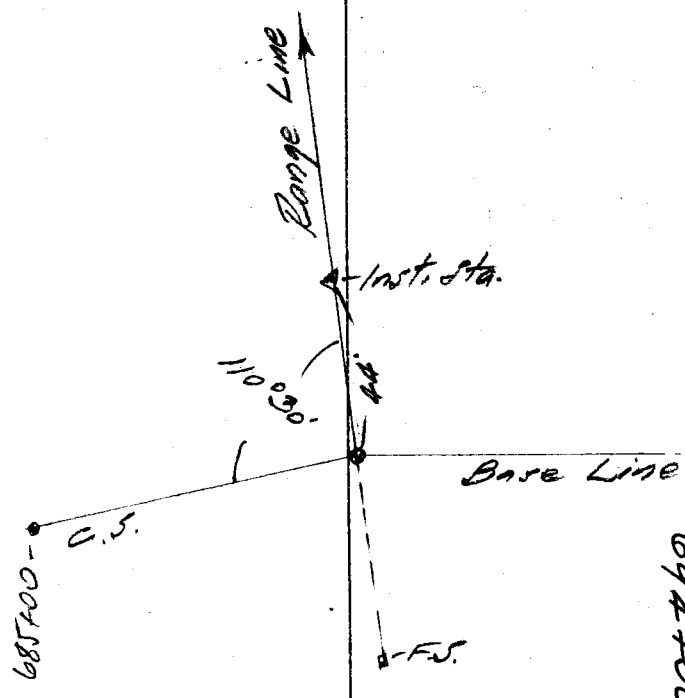
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.
6874	6874	1	R	12:45	224-30
93.66	93.66	2	B		226-05
44' out on range line from C.S. base line	at base line	3	W		228-15
		4	B		230-30
		5	W		233-05
		6	R	12:56	235-05
		7	B		237-00
		8	W		239-05
		9	B		242-35
		10	W		244-10
		11	R	1:02	249-35
		12	B		252-20
		13	W		258-50
		14	B		264-25
		15	W		267-45
		16	R	1:06	271 05

Remarks

Range 694+00 (N)



Cut in. 694+00 (N)

Profile Notes Red. Plotted H.U.M.H. Job No. 8412 Division No.
No. Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Meiners Notes Cwu Date 12-23-46
No. Date Date Map No. Indexed ALBERT E. TIMMONS Date

F.B. 1298 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
687+93 66 -N ON 44' OFFSETS OF C.S. BASE LINE.	687+93 66 -N ON BASE LINE.	1	R	8:48	229-20	Range 697+00(N)
		2	B		232-50	
		3	W		235-05	
		4	B		237-10	
		5	W		24[illegible]-15	
		6	R	8:55	24[illegible]-00	
		7	B		24[illegible]-15	
		8	W		24[illegible]-50	
		9	B		248-[illegible]	
		10			25[illegible]-[illegible]	
		11	R	9:00	252-25	
		12	B		257-40	
		13	W		25[illegible]-40	
		14	B		26[illegible]-[illegible]	
		15	W		26[illegible]-[illegible]5	
		16	R	9:05	270-[illegible]	
		17	B		27[illegible]-00	
		18	W		275-[illegible]0	
		19	B		278-[illegible]0	
		20	W		28[illegible]-[illegible]	End of Line.

Cut in 697+00(N)

F.B. 129 PG. 14

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

Survey of Beach Erosion Date 1942 No. X-Sec.

Survey by [illegible] Notes D.S. 1-10-47 Notes Chkd. Checked No.

Indexed ALBERT B. TIMMONS 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 Notes Red LE Plotted H.U.M.H. Job No. 2412 Division No.
No. Date 2-3-47 Date 1947 Survey of Reseda Eng. Notes D.S.L. Date 12-23-46
X-Sec. Notes Chkd Rowe Checked Survey by Engineer
No. Date 5-8-47 Date Map No Indexed LARRY E. TIMMONS Date
F.B. 1348 PG. 15

STATION		B. S.	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
#	Color	Time					
1	R	12:47	26.7-28.5	27.3	2.0	25.3	Range 674+00 (V)
2	G		25.7-27.7	26.4		24.4	Going in.
3	W		24.5-26.0	25.0	1.9	23.1	
4	G		23.0-24.6	23.5		21.6	
5	W		21.8-23.3	22.3	1.8	20.5	
6	R	12:57	20.8-21.5	21.0	1.7	19.3	
7	B		19.5-20.4	19.8		18.1	
8	W		18.0-19.7	18.6		16.9	
9	B		16.7-18.0	17.1		15.4	
10	W		15.1-17.0	15.7		14.0	
11	R	1:03	13.7-14.7	14.0	1.6	12.4	
12	R		11.5-13.0	12.0		10.4	
13	W		10.1-11.8	10.7		9.1	
14	R		8.8-10.5	9.4		7.8	
15	W		6.9-8.5	7.4		5.8	
16	R	1:08	4.7-5.5	5.0	1.5	3.5	End of Line.

Boat 674+00 (V)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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	[illegible]	8:46	29.0-30.0	29.3	4.7	24.6	[illegible] 697+00 (N)
2	[illegible]		27.8-28.7	28.1		23.4	Going [illegible]
3	[illegible]		26.6-27.4	26.9		22.2	
4	[illegible]		25.6-26.3	25.8	4.8	21.0	
5	[illegible]		24.0-24.7	24.2		19.4	
6	[illegible]	8:54	23.0-24.0	23.3	4.9	18.4	
7	[illegible]		22.0-22.9	22.3		17.4	
8	[illegible]		21.0-21.8	21.3		16.4	
9	[illegible]		19.2-20.0	19.5		14.6	
10	[illegible]		18.0-18.8	18.3		13.4	
11	[illegible]	8:59	17.0-17.9	17.3	5.0	12.3	
12	[illegible]		15.2-16.8	15.7		10.7	
13	[illegible]		14.0-14.9	14.3		9.3	
14	[illegible]		12.5-13.2	12.7		7.7	
15	[illegible]		11.3-12.0	11.5		6.5	
16	[illegible]	9:03	9.6-10.7	~~9.9~~ 10.0	5.0	~~4.9~~ 5.0	Boat. 697+00 (N)
17	B		8.0-8.7	8.2		3.2	
18	W		6.6-7.3	6.8		1.8	
19	B		4.5-4.7	4.6		+0.4	
20	W		2.2-2.7	2.4		+2.6	End of Line

F.B. 1290 PG. 16

Job No. 8412 Division No. ____ Notes Red. H Date 2-3-47 Plotted H.U.M.H. Date 1947 Profile No. ____

Survey of Beach [illegible] Notes B.S. 1-10-'47 Notes Chkd [illegible] Checked ____ X-Sec. No. ____

Survey by [illegible] Date ____ Date 5-8-47 Date ____

Indexed ALBERT E. TIMMONS

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
703+00	700	1	R	927	8930	Coming In	
	+80.32	2	B		8945	Range Line ∡ = 90°	
		3	W		9010		
		4	B		9000		
		5	W		8950		
		6	R	934	8900		
		7	B		9015		
		8	W		9030		
		9	B		8830		
		10	W		8700		
		11	R	937	8730		
		12	B		8855		
		13	W		8925		
		14	B		8730		
		15	W		8820		
		16	R	941	9130		
		17	B		9230		
		18	W		9735		
		19					
		20					

on orig. transit control line. See L.B. #976(7)

Range 703+00(N)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 17
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by H. Heinecke Notes G.W.K. Date 1-10-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT K. TIMMONS 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
706	703	1	R	10:03	89 35	Coming In.
+00	+00	2	B		89 40	Range Line ∡ = 90°
		3	W		90 10	
		4	B		90 40	
		5	W		89 10	
		6	R	10:09	89 [illegible]	
		7	B		89 50	
		8	W		89 [illegible]	
		9	B		89 [illegible]	
		10	W		89 45	
		11	R	10:12	89 35	
		12	B		89 25	
		13	W		89 30	
		14	B		89 45	
		15	W		89 40	
		16	R	10:16	89 15	
		17	B		89 25	
		18	W		89 35	
		19	B		89 00	
		20	W		89 00	
		21	R	10:19	90 35	

Range 706+00 (N) On orig. transit Control line - See L.S. 976(1)

F.B. 1290 PG. 18

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

Survey of Beach Erosion Date ____ Date 1947 No. ____ X-Sec. ____

Survey by Meinieck Notes BOH. 1-10-47 Notes Chkd. ____ Checked ____ No. ____

Indexed ALBERT H. TIMMONS 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	
687+93 [illegible]		1	[illegible]	9:[illegible]	229-10	Range 703+00 (N)	
[illegible]	687+93 66	2	[illegible]		231-40		
[illegible]	[illegible]	3	[illegible]		237-05		
[illegible]	[illegible]	4	[illegible]		241-05		
S. OF	[illegible]	5	[illegible]		245-00		
C. S.		6	[illegible]	9:35	250-35		
BASE		7	[illegible]		253-45		
LINE		8	[illegible]		255-25		
		9	[illegible]		258-50		
		10	[illegible]		260-55		
		11	[illegible]	9:37	264-05		
		12	[illegible]		266-05		
		13	[illegible]		268-15		
		14	[illegible]		269-05		
		15	[illegible]		271-00		
		16	[illegible]	9:[illegible]	272-25		
		17	[illegible]		273-50		
		18	W		275-05	End of line.	

Cut In.
703+00 (N)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 PG. 19
No. ____ Date ____ Date 1947 Survey of Beach [illegible]
X-Sec. Notes Chkd ____ Checked ____ Survey by Klemeck Notes D.S. Date 1-10-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT E. TIMMONS 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
687+93 -N ON AA' OFFSET S. OF C.S. BASE LINE	687+93 -N ON BASE LINE	1	R	10:[illegible]	23[illegible]	Range 706+00 (N)
		2	B		[illegible]	
		3	W		24[illegible]-45	
		4	B		24[illegible]-55	
		5	W		245-05	
		6	R	10:10	247-00	
		7	B		248-15	
		8	W		24[illegible]-30	
		9	B		250-25	
		10	W		25[illegible]-55	
		11	R	10:13	25[illegible]-50	
		12	B		256-[illegible]	
		13	W		258-40	
		14	B		26[illegible]-[illegible]5	
		15	W		261-15	
		16	R	10:18	2[illegible]-[illegible]0	
		17	B		26[illegible]-[illegible]	
		18	W		26[illegible]-10	
		19	B		26[illegible]-[illegible]	
		20	W		268-[illegible]0	
		21	R	10:20	270-30	End of Line.

Cut In 706+00 (N)

F.B./240 PG. 20

Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1947 No.
Survey by Kleinecke Notes D.S. 1-10-47 Notes Chkd. Checked X-Sec.
Indexed ALBERT E. TIMMONS 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		9:27	29.7-30.3	29.9	5.3	24.6	Range 703+00 (N)
2			28.7-29.4	28.9		23.6	Sta 10
3			27.3-27.7	27.4		22.1	
4			25.8-26.3	26.0		20.7	
5	W		23.2-23.8	23.4		18.1	
6	W	9:33	20.2-21.4	20.6	5.4	15.2	
7	W		18.0-18.8	18.3		12.9	
8	W		16.2-16.6	16.3		10.9	
9	W		15.0-15.8	15.3		9.9	
10	W		13.8-14.5	14.0		8.6	
11	W	9:38	12.0-12.2	12.1	5.4	6.7	
12	W		11.0-11.8	11.3		5.9	
13	W		9.6-10.1	9.8		4.4	
14	W		8.1-9.0	8.4		3.0	
15	W		7.0-7.9	7.3		1.9	
16	W	9:42	6.0-7.0	6.3	5.5	0.8	
17	W		5.0-6.1	5.4		+0.1	
18	W		3.0-3.8	3.3		+2.2	End of Line

Bat. 703+00 (N)

Profile

Notes Red. LE Plotted H.U.M.H. Job No. 2412 Division No.
Date 2-3-47 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. RCWC Checked Survey by Pomeroy Notes BAS Date 1-10-'47
No. Date 5-9-47 Date Map No. Indexed ALBERT E. TIMMONS Date

F.B. 1390 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.

F.B. 1190 Pg. 22 | Job No. ____ Division No. ____ Notes Red HE Plotted H.U.M.H. No. ____ Profile
Survey of ____ Notes B.S. Date 2-3-47 Date 1947 No. ____ X-Sec.
Survey by ____ Notes Chkd. 1-10-47 Checked Lewis
Indexed ALBERT E. TIMSON Date ____ Date 5-9-45 No. ____

STATION #	Color	B. S. Time	H. I. Meas. Depth	Bottom	F. S. Ht. Tide	ELEV. Adj. Depth	Remarks
1	R	10:03	30.0-30.9	30.5	5.9	24.5	Change Sec. Co. Corner
2			29.0-29.7	29.4		23.4	Going N.
3			27.7-28.3	27.9		22.1	
4			26.9-27.0	26.9		20.8	
5			25.0-25.5	25.4		19.4	
6	R	10:09	24.0-25.0	24.3	5.8	18.5	~~No time recorded~~
7			22.5-23.1	22.7		16.9	
8			21.2-22.2	21.5		15.7	
9			20.0-21.0	20.3		14.5	
10			18.8-19.9	19.1		13.3	
11		10:13	17.0-17.7	17.4	5.9	11.3	
12			16.0-16.9	16.3		10.4	
13			14.2-15.1	14.5		8.6	
14			13.0-13.8	13.3		7.4	
15			12.0-12.8	12.3		6.4	
16	R	10:17	10.0-11.5	11.2	5.9	5.3	500 ft. to 0+00 (N)
17	L		9.0-9.5	9.2		3.3	
18	W		7.8-8.3	8.0		2.1	
19	S		6.8-7.3	7.0		1.1	Rocky
20	W		4.5-5.8	4.9		+1.0	
21	R	10:19	3.5-4.3	3.8	5.0	+2.1	End of 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	
709	706	1	R	10:30	88 20	Coming In.	
+50	+00	2	B		89 25	Range line ∡ = 90°	
		3	W		9010		
		4	B		9030		
		5	W		9030		
		6	R	10:36	8945		
		7	B		8950		
		8	W		9005		
		9	B		8945		
		10	W		8945		
		11	R	10:39	8955		
		12	B		8945		
		13	W		8935		
		14	B		8930		
		15	W		8955		
		16	R	10:42	9015		
		17	B		8945		
		18	W		8920		
		19	B		9000		
		20	W		8940		
		21	R	10:45	8855	End	

On orig. transit control line

Range 709+50 H (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8426 Division No. ____
X-Sec. Date ____ Notes Chkd ____ Checked ____ Survey of Beech Erosion
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Notes G.O.H. Date 1-10-47
Albert E. Timmons Date ____

F.B. 1290 PG. 23

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
711+50	709	1	R	10:57	89 5	Coming In.
	+50	2	B		89 40	Range line ∡ = 90°
		3	W		90 05	
		4	B		89 30	
		5	W		90 30	
		6	R	11:02	89 40	
		7	B		90 05	
		8	W		89 25	
		9	B		90 00	
		10	W		89 15	
		11	R	11:07	89 15	
		12	B		89 20	
		13	W		89 30	
		14	B		89 55	
		15	W		89 15	
		16	R	11:10	89 15	
		17	B		89 20	
		18	W		88 55	
		19	B		88 50	End
		20	W			

On original transit control line

Range 711+50 (N)

F.B. 1898 PG. 24

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Meineck Notes 90H 1-10-47 Notes Chkd. Checked

Indexed ALBERT E. TIMMONS 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	
687+93 66 -N ON 44' OFFSET S. OF C.S. BASE LINE	687+93 66 -N ON BASE LINE	1	R	10:32	236-55	Range 709+50 (N)	
		2	B		239-35		
		3	W		244-05		
		4	B		246-00		
		5	W		246-55		
		6	R	10:37	248-45		
		7	B		249-45		
		8	W		250-45		
		9	B		252-00		
		10	W		252-50		
		11	R	10:40	254-00		
		12	B		255-45		
		13	W		257-40		
		14	R		258-45		
		15	W		259-20		
		16	R	10:43	260-10		
		17	B		261-05		
		18	W		262-10		
		19	B		263-45		
		20	W		263-35		
		21	R	10:47	265-[illegible]	End of Line.	

Cut In. 709+50 (N)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 25
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Klemeck Notes D.S. Date 1-10-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT E. TIMMONS 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
687+93.66 -N ON 44' OFFSET S. OF C.S. BASE LINE	687+93.66 -N ON BASE LINE	1	K	10:58	24[illegible]-05	Range 711+50 (N)
		2	B		24[illegible]	
		3	W		[illegible]	
		4	B		24[illegible]	
		5	W		24[illegible]-50	
		6	R	11:4[illegible]	[illegible]	
		7	B		25[illegible]	
		8	W		25[illegible]-20	
		9	B		25[illegible]	
		10	W		25[illegible]-30	
		11	R	11:09	25[illegible]-15	
		12	B		25[illegible]	
		13	W		25[illegible]	
		14	B		25[illegible]	
		15	W		25[illegible]	
		16	R	11:12	26[illegible]	
		17	B		26[illegible]	
		18	W		26[illegible]-50	
		19	B		26[illegible]	End of Line.

Cut In 711+50 (N)

F.B. 24 PG. 26

Job No. 8412 Division No. Notes Red Date Plotted H.U.M.H. Date 1947 No. Profile

Survey of Beach Erosion Date X-Sec.

Survey by Kleinert Notes D.C. 1-10-47 Notes Chkd. Checked

Indexed ALBERT E. TIEMONS Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	10:31	30.5-31.0	30.2	6.0	24.2	Range 709+50 (N)
2			29.5-30.2	29.7		23.7	Going in.
3			27.0-28.0	27.3		21.3	
4			26.0-26.6	26.2		20.2	
5			24.8-25.4	25.0		19.0	
6		10:36	23.0-23.8	23.3	6.0	17.3	
7			22.0-22.9	22.3		16.3	
8			21.0-21.8	21.3		15.3	
9			19.7-20.1	19.8		13.8	
10			18.5-19.6	18.9		12.9	
11		10:39	17.5-18.1	17.7	6.0	11.7	
12			15.3-16.0	15.5		9.5	
13			14.0-14.8	14.3		8.3	
14			13.0-13.8	13.3		7.3	
15			12.0-12.7	12.2		6.2	
16	R	10:42	11.0-11.5	11.2	6.0	5.2	
17	B		9.3-10.0	9.5		3.5	
18	W		7.8-9.0	8.2		2.2	
19	B		7.0-7.7	7.2		1.2	
20	W		6.0-6.8	6.3		0.3	
21	R	10:45	4.0-4.7	4.2	6.0	+1.8	Rocky End of Line

Boot. 709+50 (N)

Profile Notes Red. HE Plotted H.U.M.H. Job No. 842 Division No.
No. Date 2-3-47 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. [illegible] Checked Survey by Kleinrock Notes A.S. Date 1-10-47
No. Date 5-9-47 Date Map No. Indexed ALBERT E. TIMMONS Date

F.B. 1290 Pg. 27

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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	10:57	30.8-31.8	31.1	6.0	25.1	[illegible] 711+50 [illegible]
2	B		29.5-30.2	29.7		23.7	Going in
3	[illegible]		28.2-29.0	28.5		22.5	
4	B		27.0-27.7	27.2		21.2	
5	[illegible]		26.1-26.7	26.3		20.3	
6	R	11:03	24.0-25.2	24.4	6.0	18.4	
7	B		21.2-21.8	21.4		15.4	
8	W		19.8-20.6	20.1		14.1	
9	[illegible]		18.2-19.4	18.6		12.6	
10	[illegible]		17.0-17.7	17.2		11.2	
11	R	11:07	16.0-16.7	16.2	6.0	10.2	
12	[illegible]		14.2-15.0	14.5		8.5	
13	[illegible]		13.0-13.9	13.3		7.3	
14	[illegible]		12.0-12.5	12.2		6.2	
15	[illegible]		10.5-11.3	10.8		4.8	
16	[illegible]	11:11	9.0-10.1	9.4	6.0	3.4	Boat. 711+50 (N)
17	B		7.8-8.5	8.0		2.0	
18	W		6.0-7.0	6.3		0.3	Rocky
19	B		3.5-5.0	4.0		+2.0	End of Line
20	[illegible]						
21							

F.B. 1290 PG. 28

Job No. 2412 Division No. Notes Red. HE Plotted H.U.M.H. Profile

Survey of [illegible] Erasmus Date 2-4-47 Date 1947 No. X-Sec.

Survey by [illegible] Notes B.S. 1-10-47 Notes Chkd. [illegible] Checked No.

Indexed ALBERT E. TIMMONS Date Date 5-9-45 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
712+50	709+	1	R	11:20	102 40	Range line angle = 104-14-52 (split of ★)
	50	2	B		102 40	
		3	W		102 50	
		4	B		103 30	
		5	W		104 10	
		6	R	11:24	103 45	
		7	B		104 00	
		8	W		103 30	
		9	B		103 15	
		10	W		104 15	
		11	R	11:29	103 45	
		12	B		104 15	
		13	W		104 15	
		14	B		103 55	
		15	W		103 40	
		16	R	11:32	103 35	
		17	B		104 00	
		18	W		103 10	
		19	B		104 40	
		20	W		104 45	

On orig. transit Control line at ★ pt.

Range 712+50 (N)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 29
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Kleinecke Notes 5 OH Date 1-10-'47
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
715	712	1	R	1152	89 40	Range Line ∡ = 90°	
+50	+50	2	B		89 40	Coming In.	
	at	3	W		89 20		
	∡ pt	4	B		90 25	Note: Stationing as shown	
		5	W		90 25	set by Randall.	
		6	R	1156	89 25	List of stations called	
		7	B		89 20	for 715+00.	
		8	W		89 15		
		9	B		90 25		
		10	W		89 20		
		11	R	1201	88 20		
		12	B		89 15		
		13	W		89 15		
		14	B		90 20		
		15	W		91 20		
		16	R	1205	88 45		
		17	B		87 50		
		18	W		91 15		

On orig. transit control Line.

Range 715+50(N)

F.B. 1798 PG. 30 Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1947 No. X-Sec.
Survey by Meineck Notes Gwk 1-10-47 Notes Chkd. Checked
Indexed ALBERT R. TIMMONS 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
687+[illegible]		1	R	11:22	[illegible]44-25	Range 712+50 (N)
[illegible]	[illegible]	2	[illegible]		[illegible]-20	
44'	[illegible]	3	[illegible]		246-[illegible]	
[illegible]	[illegible]	4	[illegible]		[illegible]	
[illegible]		5	[illegible]		[illegible]	
[illegible]		6	[illegible]	11:[illegible]	[illegible]	
		7	[illegible]		[illegible]	
		8	[illegible]		[illegible]	
		9	[illegible]		[illegible]	
		10	[illegible]		[illegible]	
		11	[illegible]	11:[illegible]	[illegible]	
		12	[illegible]		[illegible]-20	
		13	[illegible]		[illegible]-25	
		14	B		257-50	
		15	W		259-05	
		16	R	11:34	260-10	
		17	B		261-15	
		18	W		[illegible]	
		19	B		263-20	
		20	W		264-35	End of Line.

Cut In
712+50 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 1977 Job No. 8412 Division No. ____ Survey of Beach Erosion
X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Flemsch Notes D.S. Date 1-10-47
No. ____ Date ____ Map No. ____ Indexed ALBERT E. TIMMONS Date ____

F.B. 1290 PG. 31

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
712+50 -N ON	711+50 -N ON	1	R	11:54	134-40	Range 715+50 (N)
Orig. transit control line at ℄ point	back tang.	2	B		[illegible]	
		3	W		13[illegible]	
		4	B		138-10	
		5	W		139-00	
		6	R	11:57	13[illegible]	
		7	B		14[illegible]	
		8	W		14[illegible]	
		9	B		14[illegible]-05	
		10	W		14[illegible]-05	
		11	R	12:02	1[illegible]	
		12	B		154-05	
		13	W		158-10	
		14	B		163-[illegible]	
		15	W		16[illegible]-00	
		16	R	12:07	1[illegible]	
		17	B		17[illegible]	
		18	W		18[illegible]	Ext. of line & job.

See L.B. # 976(?)

Cut In. 715+50 (N)

F.B. 2970 PG. 32

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

Survey of Reach Erosion Date Date 1947 No.

Survey by Flemeck Notes DS 1-10-47 Notes Chkd. Checked X-Sec.

Indexed ALBERT E. TIMMONS 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	[illegible]	11:21	30.3-31.1	30.6	5.9	24.7	Range 712+50
2	[illegible]		29.0-29.6	29.2		23.3	
3	[illegible]		28.0-28.8	28.3		22.4	
4	[illegible]		27.0-27.6	27.2		21.3	
5	[illegible]		25.8-26.4	26.0		20.1	
6	R	11:24	25.0-25.5	25.2	5.9	19.3	
7	B		23.5-24.0	23.7		17.8	
8	W		22.5-23.1	22.7		16.8	
9	[illegible]		20.2-20.8	20.4		14.5	
10	W		19.3-20.0	19.5		13.6	
11	[illegible]	11:28	18.0-18.5	18.2	5.9	12.3	
12	B		17.0-17.5	17.2		11.3	
13	W		16.0-16.7	16.2		10.3	
14	B		14.0-15.0	14.3		8.4	
15	W		12.0-12.7	12.2		6.3	
16	R	11:32	10.0-10.5	10.2	5.9	4.3	
17	B		8.7-9.2	8.9		3.0	
18	W		7.4-8.0	7.6		1.7	
19	B		5.0-6.1	5.~~3~~4		+0.~~6~~5	Rocky
20	W		4.0-5.0	4.3		+1.6	End of Line

Boot.
7+12+50 (N)

Profile
Notes Red HE Plotted H.U.M.H. Job No. 8412 Division No.
No. Date 2-4-47 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Notes Date 1-10-'47
No. Date 5-9-45 Date Map No. Indexed LAWRENCE E. SIMMONS Date

F.B. 1298 Pg. 33

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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	7:53	29.7-30.5	30.0	5.7	24.3	Range 715+50 (N)
2	B		28.2-29.2	28.5		~~23.8~~ 22.8	
3	W		27.3-28.1	27.6		21.9	Going In.
4	B		26.0-26.7	26.2		20.5	
5	W		25.0-25.5	25.2		19.5	
6	R	11:56	24.0-24.3	24.1	5.7	18.4	
7	B		23.0-23.5	23.2		17.5	
8	W		20.5-21.0	20.7		15.0	
9	B		18.2-18.8	18.4		12.7	
10	W		17.1-18.0	17.4		11.7	
11	R	12:01	15.0-15.7	15.2	5.6	9.6	
12	B		14.0-14.5	14.2		8.6	
13	W		12.0-12.8	12.3		6.7	
14	B		11.0-11.8	11.3		5.7	
15	W		9.3-9.8	9.5		3.9	
16	R	12:05	7.5-8.0	7.7	5.5	2.2	
17	B		5.5-6.0	5.7		0.2	Rocky
18	W		4.0-4.5	4.2		+1.3	End of Line
~~19~~	~~B~~						The Absolute End
~~20~~	~~W~~						

Boat 715+50 (N)

F.B. 1240 PG. 34

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

Survey of Beach Erosion Date 2-4-47 Date 1947 No. ____

Survey by Meineck Notes B.S. 1-10-47 Notes Chkd. Keller Checked ____ X-Sec.

Indexed ALBERT E. TIMMONS Date ____ Date 5-9-45 Date ____ No. ____

Notes Ck'd by		Survey of Beach Erosion	F.B. 1290 PG. 35
Map No.		W. O. 5612 Tape No.	St'd °F
Office Work		Surveyed by Meineck	
Checked		Notes	Date
Date		Indexed WENDY T. SIMMONS	1-20-47

PROFILE SECTIONS
IN
MALIBU AREA.

Base Line Sta's 0+00 to 40+00, incl.
For This Line See: L.A. City F.B. 17724
; L.A. Co. " 461-112

See L.A. City F.B. # 20717 For Shore Profiles.

Jan. 9, 1947.

Note: Any Additions or Changes on This Sheet Must 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 RM 11-41

F.B. 1290 PG. 36

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	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
0+00	Pt. on fore-tang prod'd back	1	R	9 26	89 20	Going Out.
		2	B		90 00	Range Line ∡ = 90°
		3	W		88 40	
		4	B		90 00	
		5	W		91 15	
		6	R	9 29	91 00	
		7	B		90 00	For shore sections see
		8	W		89 30	L.A. City F.B. # 20717
		9	B		89 15	
		10	W		90 10	
		11	R	9 31	91 00	
		12	B		90 00	
		13	W		90 00	
		14	B		89 40	
		15	W		90 00	
		16	R	9 34	90 00	
		17	B		89 30	
		18	W		89 40	End.

On 13' offset to S. from LA City Surv. Line - See F.B. 461-112

Also F.B. 17124 LACE

Range 0+00 - Malibu

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 1947 Job No. 8412 Division No. ____ Survey of Beach Erosion - Malibu

X.Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Kleinert Notes GWK Date 1-9-47

Map No. ____ Date ____ Indexed ALBERT H. CIMMONS Date ____

F.B. 1249 Pg. 37

F.B. 1290 PG. 38

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

Survey of Beach Erosion - Malibu Date _____ Date 1947 No. _____

Survey by Klaineck Notes GWK 1-9-47 Notes Chkd. _____ Checked _____ X-Sec.

Indexed ALBERT E. TIMMONS Date _____ Date _____ Date _____ No. _____

Range 10+00

on 13' offset S. of L.A. city base line

STATION Inst. Sight At	On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
10+00	0+00	1	R	947	8920	Coming in.
		2	B		9000	Range Line ∡ = 90°
		3	W		8910	
		4	B		8950	
		5	W		8935	
		6	R	952	8920	
		7	B		9000	
		8	W		8920	
		9	B		9000	
		10	W		8955	
		11	R	955	8935	
		12	B		9010	
		13	W		9015	
		14	B		8955	
		15	W		9000	
		16	R	958	9010	
		17	B		9020	
		18	W		9035	
		19	B		9035	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
10+00 -N	0+00	1	R	9:26	10-00	Range 0+00 (N) Going out
0+11		2	B		11-15	
13' OFFSET		3	W		12-25	
		4	B		14-30	
		5	W		17-35	
		6	R	9:29	18-00	
		7	B		18-45	
		8	W		20-15	
		9	B		21-40	
		10	W		23-35	
		11	R	9:32	25-55	
		12	B		26-55	
		13	W		28-45	
		14	B		30-00	
		15	W		31-05	
		16	R	9:35	33-00	
		17	B		34-20	
		18	W		38-05	End of Line.

Cert 10.
0+00 - Malibu

Profile Notes Red ____ Plotted H.U.M.H. Job No. 847 Division No. ____ F.B. 1240 PG. 39
No. ____ Date ____ Date 1947 Survey of Beach Erosion - Malibu
X-Sec. Notes Chkd ____ Checked ____ Survey by Kleinecke Notes D.S. Date 1-9-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT E. TIMMONS 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	10+00 -N	1	[illegible]	9:48	32[illegible]	[illegible]	(N) Coming In.
		2	[illegible]		32[illegible]		
		3	[illegible]		32[illegible]		
		4	[illegible]		32[illegible]		
		5	[illegible]		32[illegible]		
		6	[illegible]	9:52	33[illegible]		
		[illegible]	[illegible]		[illegible]		
		[illegible]	[illegible]		33[illegible]		
		[illegible]	[illegible]		33[illegible]		
		[illegible]	[illegible]		33[illegible]		
		[illegible]	[illegible]	9:55	33[illegible]		
		[illegible]	[illegible]		33[illegible]		
		[illegible]	[illegible]		34[illegible]		
		[illegible]	[illegible]		34[illegible]		
		[illegible]	[illegible]		34[illegible]		
		[illegible]	[illegible]	9:58	34[illegible]		
		17	B		34[illegible]		
		18	W		[illegible]		
		[illegible]	B		[illegible]	End of Line.	

Cut In 10+00

F.B. 1290 PG. 40

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

Survey of Beach Erosion - Malibu Date 1947 No.

Survey by [illegible] Notes [illegible] 1-9-47 Notes Chkd. Checked X-Sec.

Indexed ALBERT E. TIMMONS Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	9:26	5.0-6.3	5.4	6.4	+1.0	Range 0+00
2	B		6.0-7.3	6.4		0.0	Going Out
3	W		7.4-8.4	7.7		-1.3	
4	B		8.4-9.6	8.8		2.4	
5	W		9.6-12.0	10.4		4.0	
6	R	9:30	12.0-14.3	12.8	6.4	6.4	
7	B		14.3-15.0	14.5		8.1	
8	W		16.0-17.2	16.4		10.0	
9	B		18.0-18.9	18.3		11.9	
10	W		19.1-20.3	19.5		13.1	
11	R	9:33	21.0-22.5	21.5	6.4	15.1	
12	B		22.1-23.8	22.7		16.3	
13	W		23.1-24.5	23.6		17.2	
14	B		24.1-25.3	24.5		18.1	
15	W		25.1-26.2	25.5		19.1	
16	R	9:35	26.7-27.4	26.9	6.4	20.5	
17	B		27.1-27.9	27.4		21.0	
18	W		30.4-31.7	30.8		24.4	End of line
~~19~~	~~B~~						
~~20~~	~~W~~						

Boat
0+00 - Malibu

Profile No. ____ Date 2-4-47 Notes Red. HE Plotted H.U.M.H. Job No. 8426 Division No. ____ F.B. 1290 Pg. 41
X-Sec. No. ____ Date 5-9-45 Notes Chkd. Lewis Checked ____ Date ____ Survey of Beach Erosion - Malibu Survey by Klamack Notes G.O.H. Date 1/9/47
Map No. ____ Indexed ALBERT H. TIMMONS 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. 1298 Pg. 42 | Job No. 8417 Division No. | Survey of Beach Erosion - Malibu | Survey by Helmer Notes Bolt - 1-9-42 | Indexed ALBERT S. TIMMONS Date | Profile | Notes Red. E Plotted H.U.M.H. | Date 2-4-42 No. | X-Sec. | Notes Chkd. Louis Checked | Date 3-4-42 No. |

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	9:47	31.0-32.5	31.5	6.5	25.0	Going In. Range 10+00
2	B		29.8-31.0	30.2		23.7	
3	W		28.2-29.3	28.6		22.1	
4	B		27.0-27.8	27.3		20.8	
5	W		26.0-27.2	26.4		19.9	
6	R	9:51	25.0-26.0	25.3	6.6	18.7	
7	B		24.0-25.0	24.3		17.7	
8	W		22.5-23.9	23.0		16.4	
9	B		21.0-22.0	21.3		14.7	
10	W		19.0-19.8	19.3		12.7	
11	R	9:54	18.0-18.9	18.3	6.6	11.7	
12	B		16.5-17.3	16.8		10.2	
13	W		15.0-15.8	15.3		8.7	
14	B		13.0-14.3	13.4		6.8	
15	W		11.0-12.0	11.3		4.7	
16	R	9:57	9.2-10.8	9.7	6.6	3.1	Bolt 10+00
17	B		7.5-9.0	8.0		1.4	
18	W		6.0-7.0	6.3		+0.3	
19	B		3.8-5.0	4.2		+2.4	

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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
20+00	10+00	1	R	1009	9005	20+00 = ∡ Pt.	Coming in
		2	B		8950	Range Line	∡ = 90° F.S. on back tang.
		3	W		8955		
		4	B		9000		
		5	W		9020		
		6	R	1014	9010		
		7	B		8955		
		8	W		9025		
		9	B		9030		
		10	W		9015		
		11	R	1016	9015		
		12	B		9000		
		13	W		9000		
		14	B		8935		
		15	W		9000		
		16	R	1020	9000		
		17	B		9040		
		18	W		9015		
		19	B		9110	End	

On 13' offset to S. from L.A. City base line.

Range 20+00 - Malibu.

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1294 PG. 43
No. ____ Date ____ Date 1947 Survey of Beach Erosion - Malibu
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleinecke Notes Gulk Date 1-9-'47
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT F. TIMMONS 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
30+00	20+00	1	R	1034	9005	Coming In.
		2	B		9010	Range Line ∡ = 90°
		3	W		8930	
		4	B		89[illegible]0	
		5	W		8945	
		6	R	1036	8955	
		7	B		9025	
		8	W		90[illegible]0	
		9	B		9000	
		10	W		90[illegible]0	
		11	R	1041	89[illegible]0	
		12	B		89[illegible]0	
		13	W		89[illegible]0	
		14	B		89[illegible]5	
		15	W		90[illegible]0	
		16	R	1043	89[illegible]0	
		17	B		8935	
		18	W		9100	
		19	B		9020	
		20	W		8915	End.

On 13' offset to S. from L.A. City base-line

Range 30+00

F.B. 1298 PG. 44

Job No. 8426 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach Erosion - Malibu Date Date 1947 No. X-Sec.

Survey by H. Lemeck Notes Chk. -1-9-'47 Notes Chkd. Checked

Indexed ALBERT E. TIMMONS 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
10+00	0+00	1	R	10:10	141-30	Range 20+00 (N) Coming In.
on	(N)	2	B		146-10	
13'		3	W		147-10	
Offset		4	B		148-30	
		5	W		150-20	
		6	R	10:14	152-25	
		7	B		155-00	
		8	W		157-05	
		9	B		159-00	
		10	W		160-50	
		11	R	10:17	162-15	
		12	B		164-20	
		13	W		165-15	
		14	B		166-10	
		15			167-55	
		16		10:20	169-30	
		17	B		170-55	
		18	W		171-40	
		19	B		172-45	End of Line

Cut in.
20+00 - Malibu

Profile Notes Red ____ Plotted H.U.M.H. Job No. 84M Division No. ____ F.B. 1390 Pg. 45
No. ____ Date ____ Date 1947 Survey of Beach Erosion - Malibu
X-Sec. Notes Chkd. ____ Checked ____ Survey by Klieneck Notes AS Date 1-9-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____
ALBERT E. TIMMONS

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
10+00	0+00	1	R	10:35	157-00	Range 30+00 (N) Coming In
on	(N)	2	B		158-30	
13'		3	W		159-30	
Offset		4	B		161-20	
		5	W		162-50	
		6	R	10:37	163-45	
		7	B		165-10	
		8	W		165-40	
		9	B		166-35	
		10	W		167-45	
		11	R	10:41	168-35	
		12	B		169-25	
		13	W		169-45	
		14	B		170-30	
		15	W		171-30	
Cut In. 30+00		16	R	10:44	171-55	
		17	B		172-30	
		18	W		173-30	
		19	B		174-20	
		20	W		175-05	End of Line

F.B. 12 PG. 46 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Malibu Date Date 1941 No. X-Sec.
Survey by Klieneck Notes AS 1-9-47 Notes Chkd. Checked No.
Indexed ALBERT E. TIMMONS 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. LE Plotted H.U.M.H. Job No. 8417 Division No. ____
X-Sec. No. ____ Date 2-4-47 Date 2-19-47 Survey of Beach Erosion — Malibu
Notes Chkd. [illegible] Checked ____ Survey by Klemmer Notes Entd. Date 2-19-47
Date 5-9-45 Date ____ Map No. ____ Indexed LAWRENCE TIMMONS Date ____
F.B. 1790 PG. 47

STATION #	Color	Time	B. S.	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	10:10		31.1-32.1	31.4	6.6	24.8	Range 20+00
2	B			29.2 29.9	29.4		22.8	Going In.
3	W			27.8-28.3	28.0		21.4	
4	B			26.3-27.4	26.7		20.1	
5	W			25.2-26.0	25.5		18.9	
6	R	10:14		24.0 25.0	24.3	6.6	17.7	
7	B			22.0 23.0	22.3		15.7	
8	W			20.2-21.0	20.5		13.9	
9	B			19.0 20.0	19.3		12.7	
10	W			17.0 17.8	17.3		10.7	
11	R	10:17		15.2-16.1	15.5	6.6	8.9	
12	B			12.8 -14.0	13.2		6.6	
13	W			11.5 -11.8	11.6		5.0	
14	B			10.2-10.9	10.4		3.8	
15	W			9.0 9.6	9.2		2.6	
16	R	10:19		8.0-8.6	8.2	6.6	1.6	
17	B			6.8-7.8	7.1		0.5	
18	W			5.8-6.4	6.0		+0.6	
19	B			4.2-5.1	4.5		+2.1	End of line
20	W							

20+00 - 7+00 Bay

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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
							Range 30+00
1	R	10:34	30.5-31.1	30.7	6.6	24.1	Going In
2	B		29.2-29.7	29.4		22.8	
3	W		28.0-29.0	28.3		21.7	
4	B		27.0-27.6	27.2		20.6	
5	W		25.8-26.4	26.0		19.4	
6	R	10:37	24.5-25.1	24.7	6.5	18.2	
7	B		23.0-23.6	23.2		16.7	
8	W		21.8-22.6	22.1		15.6	
9	B		20.3-21.0	20.5		14.0	
10	W		19.0-19.6	19.2		12.7	
11	R	10:40	17.5-18.0	17.7	6.5	11.2	
12	B		15.5-16.5	15.8		9.3	
13	W		14.0-14.7	14.2		7.7	
14	B		13.0-14.0	13.3		6.8	
15	W		11.5-12.0	11.7		5.2	Boat. 30+00
16	R	10:43	10.2-10.9	10.4	6.5	3.9	
17	B		8.8-9.5	9.0		2.5	
18	W		7.0-7.5	7.2		0.7	
19	B		5.8-6.3	6.0		+0.5	
20	W		4.0-4.3	4.1		+2.4	End of line

F.B. 1290 PG 48 Job No. 842 Division No. Notes Red. HE Plotted H.U.M.H. Profile
Survey of Beach Erosion - Malibu Date 2-4-47 Date 1947 No. X-Sec.
Survey by Weinock Notes GOH 1-9-'47 Notes Chkd. Checked No.
Indexed ALBERT R. TIMMONS Date Date 5-9-45 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
40+00	30+00	1	R	10 58	89 35	Coming In
		2	B		89 45	Range Line ∡ = 90° F.S. on back tang.
		3	W		90 05	
		4	B		90 20	
		5	W		90 15	
		6	R	11 03	90 20	
		7	B		90 25	
		8	W		90 10	
		9	B		90 10	
		10	W		89 50	
		11	R	11 06	89 [illegible]	
		12	B		90 20	
		13	W		90 35	
		14	B		90 00	
		15	W		90 30	
		16	R	11 08	90 10	
		17	B		90 20	

On 13' Offset to S. from L.A. City base-line.

End of This area.

Range 40+00 - Malibu.

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 49
No. ____ Date ____ Date 1947 Survey of Beach Erosion - Malibu
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleinecke Notes Quik Date 1-9-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT S. TIMMONS 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

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

F.B/290 PG. 50

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
[illegible]	0+00	1	R	10:[illegible]	[illegible]	Range 40+00 (N)	Coming In
[illegible]		2	B		162-50		
[illegible]		3	[illegible]		164-25		
[illegible]		4	B		[illegible]		
		[illegible]	[illegible]		[illegible]		
		[illegible]	[illegible]	11:03	[illegible]		
			B		[illegible]		
			[illegible]		[illegible]		
			B		170-[illegible]		
			[illegible]		171-[illegible]		
		[illegible]	[illegible]	[illegible]	[illegible]-25		
		[illegible]	B		172-15		
		13	[illegible]		[illegible]-45		
		14	B		173-30		
		[illegible]	[illegible]		174-10		
		16	[illegible]	11:08	174-[illegible]		
		17	B		174-55	End of Line.	

Cut In.
40+00 - Malibu

Profile
Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
No. ____ Date ____ Date 1947 Survey of Rancho Fresno - Malibu
X-Sec. Notes Chkd. ____ Checked ____ Survey by Klemens Notes U.S. Date 1-9-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ALBERT R. THOMAS Date ____

F.B. 1290 PG. 51

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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 No. X-Sec. No.

Plotted Date Checked Date

Notes Red Date Notes Chkd Date

Division No. Notes Date

Job No.

Survey of

Survey by Notes

Indexed Date

F.B. 1240 PG. 52

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 HE Date 2-4-47 Plotted H.U.M.H. Date 1947 Job No. 8417 Division No. ____ Survey of Beach Erosion - Mall Pier

Notes Chkd KEWS Checked ____ Survey by Hammond Notes Book Date 1-9-47

Date 5-9-47 Date ____ Map No. ____ Indexed ALBERT A. TIEMANN Date ____

F.B. 2908-58

STATION		B. S.	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
#	Color	Time					
1	R	10:57	30.0-30.6	30.2 ✓	6.4 ✓	23.8 ✓	Range 40+00
2	B		29.0-29.8	29.3 ✓		22.9 ✓	Going In
3	W		26.8-27.4	27.0 ✓		20.6 ✓	
4	B		26.0-26.8	26.3 ✓		19.9 ✓	
5	W		25.0-25.5	25.2 ✓		18.8 ✓	
6	R	11:02	23.5-24.2	23.1 ✓	6.3 ✓	17.4 ✓	
7	B		21.5-22.0	21.7 ✓		15.4 ✓	
8	W		19.0-19.6	19.2 ✓		12.9 ✓	
9	B		16.8-17.3	17.0 ✓		10.7 ✓	
10	W		14.5-15.7	14.9 ✓		8.6 ✓	
11	R	11:05	13.0-13.5	13.2 ✓	6.2 ✓	7.0 ✓	
12	B		12.0-12.4	12.1 ✓		5.9 ✓	
13	W		10.3-10.9	10.5 ✓		4.3 ✓	
14	B		8.6-9.2	8.8 ✓		2.6 ✓	
15	W		7.0-7.3	7.1 ✓		0.9 ✓	
16	R	11:09	5.0-5.3	5.1 ✓	6.2 ✓	+1.1 ✓	
17	B		2.5-3.0	2.7 ✓		+3.5 ✓	End of line
~~18~~	~~W~~						
~~19~~	~~B~~						
~~20~~	~~W~~						

Boat
40+00 - Malibu

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

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

F.B. 129 PG. 54

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 PG. 55
Date ____ Date Oct-Nov/47 Survey of Beach Erosion - Redondo
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Kleineck Notes G.W.K. Date 10-29-47
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date 11-3-47

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

BEACH EROSION SURVEY
— Redondo Beach Area.

A "1947" Re-run of Profiles Over Range Lines From Base Line Sta. "5-12" at 10th St., To Base Line Sta. "5-29" at Malaga Cove.

J.N. 8412.

Oct.-1947.

Kleineck
Moore
Mitchell
Harris
Stangeland
Nowacki
Kraencke

This Series Contd in F.B. 1413, Page 5.

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

FORM 307 10M 10-46

F.B. 1290 PG. 16

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

Survey of Beach Erosion - Redondo Date Date No.

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

Indexed Date Date Date No.

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

FORM 307 10M 10-48

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
					See F.B. 1184/14
254+65	4938	22188		1725	+ in walk.
258+65	4977	21945	522	16968	"
262+65	5085	21756	5274	16671	"
264+65			516	16596	"
264+95.27			5055	16701	S-13 ∡ pt. L+T. {F.B. 589-82 El. 16.632 / F.B. 1184-14 El. 16.655
T.P.	5302	22052	5006	16750	
268+65			507	1698	+ in walk
270+65	5154	22215	4991	17061	"
272+65			515	1657	2x2 stk, N+T outside edge of walk.
T.P.	5308	22313	5210	17005	
276+65			489	1742	2x4 stk N+T
T.P.	4462	19293	7482	14831	
280+65			538	1391	2x2 stk N+T
T.P.	3100	17073	5320	13973	2x2 stk at S-14
284+65			462	1245	2x2 " N+T.
T.P.	11513	26894	1692	15381	
288+65			931	1758	2x2 stk. N+T
289+33.57			5040	21854	S-14 15? cut spk + T. ∡ pt.
T.P.	3630	24536	5988	20906	
292+65			493	1961	N+T in oil pot.

Contd next pg

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 842 Division No. ____
X-Sec. Date ____ Notes Chkd. CWW Checked ____ Survey of Beach Erosion - Redondo Area
No. ____ Date 12/2/47 Date ____ Survey by Kleinecke Notes GWK Date 10-6-47
Map No. ____ Indexed ____ Date ____

F.B. 1290 PG. 57

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 1290 PG. 58 | Job No. 8411 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Rancho Environ - Redondo Date 10-6-47 Date Oct 1947 No. X-Sec.
Survey by Mercury Notes Stuck Stone 47 Notes Checked No.
Indexed by C. Johnson Date Date 12/47 Date

STATION	B. S.	H. I.	F. S.	ELEV.	
		24 536		✓ Brot Forw'd.	
T.P.	4818	23 511	5843	18693	P.K. = "5-16"
U.S.B.M. 2780			1679	21832	See F.B 1184-15 Elev. 21.801
		*	*	*	
T.P. above	510	23 79		1869	10-9-'47
296+65			362	2017	N.T.
296+65			766	1613	10' R. Mark on Stone.
		*	*	*	
T.P. above	4723	23 416		18693	Note:- For elevations on Stas 302+02.67 (℄ of groyne #1) & 302+65 see Pg. 59.
T.P.	5102	24 228	4290	19126	
T.P.	5382	24 891	4719	19509	
T.P.	5427	24 757	5468	19423	5-18" L.T. Elev. 19.325 F.B. 1184/16
T.P.	6067	27 296	3529	21729	
T.P.	2842	24 596	5542	21754	"5-19" Br. cap Mon. (El. 21.732 F.B. 1184/16.)
306+65			361	2019	N.T.
308+65			556	1966	"
T.P. 310+65	4683	22 854	6425	18771	"
T.P. 312+65	4765	22 090	5529	17925	"
T.P. 315+25	5428	22 928	4580	17500	" ℄ of groyne #2
T.P. 317+00	5501	23 757	4682	18256	"
T.P. 319+00	5782	24 841	4698	19059	"

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
"5-19"	263	2438		2175	→ From pg. 58 (br. cap mon.)
302+02.67			125	1188	+ on granite rock, ℄ of groin #1
302+65			137	[illegible]	2x2 STK. flush.
"5-18"			503	1935	L.&T. (Check shot) El. = 19.335 pg. 58
		*	*	*	*
		24841			Brot Ford from pg. 58.
T.P.	5516	25799	4558	20283	N.&T. in pvt. — 10-14-49
322+00			553	2027	" " "
324+00	5284	26263	4820	20979	" " "
327+00	4477	26580	4160	22103	" " "
328+30			517	2141	" " " = ℄ of groin #3.
330+50	4450	24622	6401	20172	" " "
333+00	5469	25570	4521	20101	" " "
335+50	5474	26788	4256	21314	" " "
338+00	4277	26698	4367	22421	" " "
		*	*	*	
335+50	4304	25618		21314	
"5-23"			5428	20190	Brass Cap Mon. El. 20.186. F.B. 1184-17.
		*	*	*	
338+00	3310	25731		22421	From above.
340+50	1991	22360	5362	20369	

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 59
X-Sec. No. ____ Date ____ Date Oct/47 Survey of Beach Erosion - Redondo
Notes Chkd [illegible] Checked ____ Survey by [illegible] Notes [illegible] Date 10-14-47
Date 12/2/47 Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 10M 10-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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STATION	B. S.	H. I.	F. S.	ELEV.	
		22360			Brot Ford.
343+00	4169	17388	9141	13219	1x1-N&T.
T.P.	3272	16177	4483	12905	
348+00			29	13 3	" Stk.
T.P.	3909	16779	3307	12870	
T.P.	1950	16203	2526	14253	
353+00			347	127	1x1 Stk
T.P.	2883	15264	3822	12[illegible]1	
358+00	3419	15544	3139	12[illegible]5	1x1 Stk.
T.P.	4317	17190	2671	12873	
363+00			365	13 5[illegible]	1x1 Stk.
T.P.	[illegible]	15984	3968	1[illegible]	
T.P.			[illegible]	12 [illegible]	5-26 1x2 N&T.
T.B.M.	1407	16[illegible]	1670	[illegible]	N'ly cor. conc. block S. Side Storm Drain 10-[illegible]-47
368+00			356	[illegible]	1x1 Stk.
T.P.	4452	17020	3655	12[illegible]	
373+00	3660	16634	[illegible]	12[illegible]	1x1 Stk.
T.P.	2467	15136	3[illegible]	12[illegible]9	
378+00	10909	20861	5184	9[illegible]	1x1 Stk.
B.M.	0702	20897	0666	20195	Stone
383+00	4178	15508	9567	11330	

F.B. 1290 PG. 60

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

Survey of Beach Erosion - Redondo Date Oct/47 No. X-Sec.

Survey by Hlenek Notes Gulk 10-15-47 Notes Chkd C.W. Walla Checked

Indexed C. Johnson Date 12/2/47 Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		15508			Brot Ford.	
T.P.	9890	22728	2670	12838		
388+19.02			8879	13849	5-27" 4x4, C. spk + W flush at ∡ point	
B.M.-R.M.#2	2404	19503	5629	17091	R.M. #2 for "5-27" a C.S. Mon. dn. 18" as reset in 1942. F.B. 930/22. El. 17.106 - F.B. 1184-19.	
T.P.	1841	170.93	4251	15552		(10-22-'47)
393+19			463	12 46	1x1 stk (lath 36' to left)	
T.P.	3410	161.05	4398	12 695		
T.P.	4464	15890	4679	11 926		
398+19	6287	16 242	5935	9 955	1x1 stk.	
403+19	8638	18 247	6633	9 609	"	
408+19	4170	13 299	9118	9 129	"	
T.P.	4374	12 835	4838	8 461		
413+19			189	10 94	On 1x1 stk. 18.2' left	
T.P.	4638	12 922	4551	8 284		
418+19			165	11 27	On 1x1 stk. 14.55' to left	
T.P.	6410	14 674	4658	8 764		
C.S. Mon.			1740	12 934	R.P. #1 for ∡ pt. "5-28"	{El. = 12.909 as per F.B. 1184-20
C.S. Mon	1478	13026	3126	11 548	R.P. #2 " " " "	{El. = 11.520 as per F.B. 1184-20
423+19			112	11 90	On 1x1 stk. 7.9' to left	
T.P.	3967	11964	5029	7 997		

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1240 Pg. 61
No. ____ Date ____ Date Oct/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. [illegible] Checked ____ Survey by Werner Notes Quik Date 10-17-'47
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION	B. S.	H. I.	F. S.	ELEV.		
		11 964			Brot Ford.	
428+19			000	1186	On 1x1 Stk. 12.8' left	
T.P.	4700	13 272	3392	8 572		
430+19			139	11 88	1x1 Stk.	
T.P.	5651	13 646	5277	7 995		
C.S. Mon.			2096	1 [illegible]	R.M. #2. See pg. 61. (El. 11.448)	

F.B. 1290 PG. 62 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date 8/26/47 No. X-Sec.
Survey by Wiemeck Notes Chk. 10-22-47 Notes Chkd. [illegible] Checked No.
Indexed C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
254+65	S-13	1	R	803	90 10	Inside toe breakwater	
		2	Y		90 20	Range Line ∡ = 90°	
		3	W		90 05		
		4	Y		90 05		
		5	W		90 00		
		~~6~~	~~R~~	~~811~~	~~90 05~~	Out. cut in ∡ missing	
		7	Y		89 50		
		8	W		89 55		
		9	Y		89 20		
		10	W		90 10		
		11	R	820	89 45		
		12	Y		89 10		
		13	W		90 00		
		14	Y		89 45		
		15	W		90 10		
		16	R	829	90 00		
				*	*	* *	Cont'd outside of brkwater 10-8-47
254+65	S-13	1	Y		90 10	Date - 10/8/47.	
		2	Y		89 50		
		3	Y		90 00		

Range 254+65

Cont'd next pg.

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 63
X-Sec. No. ____ Date ____ Date 10/22/47 Survey of Beach Erosion - Redondo
Notes Chkd ____ Checked ____ Survey by Mdineck Notes Gulk Date 10-7-'47
Date ____ Date ____ Map No. ____ Indexed C. Job Proj. 10-27-47

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor.	Ang.	Remarks
254+65	5-13	4	Y		89	45	
		5	Y	8 45	89	35	
		6	Y		89	50	Date 10-8-47
		7	Y		90	10	
		~~8~~			~~89~~	~~50~~	? No Sounding.
		9	Y		90	20	

Range 254+65 (Cont'd)

F.B. 1290 PG. 64

Job No. 8412 Division No. Redondo Notes Red. Plotted H.U.M.H. Date Oct/47 No. Profile

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

Survey by Hewack Notes Moore 10-7-47 Date Date No.

Indexed A. O. Johnson Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
5-13	5-14	1	R		131° 05'	Range Line 254+65 Toe of brk. water
		2	Y		131° 10'	Coming in.
		3	W		131° 50'	
		4	Y		132° 20'	
		5	W	No watch No Time	132° 40'	
		6	R			out obstruction of #8
		7	Y		No angle	15' back on Range Line
		8	W		135° 15'	
		9	Y		136° 05'	
		10	W		137° 10'	
		11	R		138° 10'	
		12	Y		139° 10'	
		13	W		140° 15'	
		14	Y		142° 40'	
		15	W		146° 00'	
		16	R		149° 10'	End of line
				*	*	* *
5-13	5-14	1	Y	9 34	128 45	Date 10-8-'47
		~~2~~				
		2 ~~3~~			127 10	

Cut in 254+65

Contd outside of brk. water 10-8-'47

Contd next pg.

Profile No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H. Date 10/27/47 Job No. 847 Division No. ____ Survey of Beach Erosion - Redondo Area Survey by Meineck Notes Nowacki Date Oct. 7, '47. Map No. ____ Indexed P. C. Johnson

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

F.B. 1290 Pg. 65

FORM 307 5M 1-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
5-13	5-14	3 ~~4~~			126 40	Range line 254+65 Cont'd
		4 ~~5~~			126 25	
		5 ~~6~~			125 25	
		6 ~~7~~			125 35	Date 10-8-'47
		7 ~~8~~			125 10	
		~~8 9~~			~~124 15~~	No Sounding
	8	~~9 10~~			125 15	

Cut in. 254+65 (Cont'd)

F.B. 129 PG. 66

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

Survey of Beach Erosion - Redondo Date Oct/47 No. X-Sec.

Survey by Meinecke Notes Newacki Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date

FORM 307 RM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	8:02	6.9 / 7.9	72.*	3.3	3.9	Range Line 254+65
2	Y		8.1 / 9.8	8.4	3.3	~~4.8~~ 5.1	* inside toe of brk water.
3	W		8.9 / 10.0	9.3	3.3	~~5.7~~ 6.0	
4	Y		10.2 / 11.5	10.6	3.3	~~7.8~~ 7.3	
5	W		12.3 / 12.7	12.5	3.3	~~9.0~~ 9.2	
6	R	8:09	13.6 / 13.5	13.8	3.4	out - cut in ∡ missing.	
7	Y		14.5 / 15.3	14.8	3.4	11.4	
8	W		13.1 / 14.0	13.4	3.4	~~9.9~~ 10.0	
9	Y		12.0 / 13.0	12.3	3.4	~~8.8~~ 8.9	
10	W		10.9 / 10.0	11.3	3.4	~~8.0~~ 7.9	
11	R	8:18	9.9 / 10.7	10.2	3.4	~~6.9~~ 6.8	
12	Y		8.9 / 9.9	9.2	3.4	5.8	
13	W		7.9 / 9.1	8.3	3.4	~~5.0~~ 4.9	
14	Y		6.8 / 7.8	7.1	3.4	3.7	
15	W		5.6 / 6.5	5.9	3.4	2.5	
16	R	8:28	4.3 / 5.2	4.6	3.4	1.2	
			*	*	*	*	
1	Y	9.40	21.5 / 23.1	22.0	3.3	18.7	Cont'd outside of break-water 10-8-'47.
2	Y		22.5 / 24.0	23.0		19.7	
3	Y		23.7 / 26.0	24.5		21.2	

Boat 254+65

cont'd next pg.

Profile No. ____ Notes Red CWW Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 67
Date 10-22-47 Date Oct/47 Survey of Beach Erosion - Redondo Area
X-Sec. No. ____ Notes Chkd. NW Checked ____ Survey by Kleinecke Notes H. K. Date 10-7-'47
Date 10-23-47 Date ____ Map No. ____ Indexed A. C. Johnson Date ____

F.B./290 PG. 68

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

Survey of Beach Erosion - Redondo Date 10-22-47 Date Oct/47 No. _____

Survey by Klemeck Notes H.K. 10-8-'47 Notes Chkd. HC Checked _____ X-Sec.

Indexed A. C. Johnson Date _____ Date 10-23-47 Date _____ No. _____

Boat
254+65 Contd

STATION	B.S.	H.I.	F.S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
4	Y		24.5	250	3.3	21.7	254+65 Contd.
5	Y		26.0	263	3.3	23.0	
6	Y		28.0	269	3.3	23.6	
7	Y		28.8	285	3.3	25.2	
8	Y		30.0	287	3.3	25.4	

FORM 307 5M 1-46

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FORM 307 10M 10-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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STATION	B. S.	H. I.	F. S.	ELEV.		
254+65	166	1891		17.25	→ See pg. 57. + in walk.	
			168	17.23	Edge " 4 R.	
			23	166	23' R Beach.	
			61	128	42' R	
			85	104	149 R	
			95	94	189' R	
			98	91	252' R	
T.P.	457	1394	954	937	335' R	
			51	88	406' R	
			46	93	496' R	
			39	100	552' R	
			37	102	608' R	
T.P.	054	1076	372	1022	633' R	(1x1 stk)
			53	53	676' R "	(10-10-47)
			103	05	733' R Water.	
			122	-14	746' R "	
			132	-24	818' R "	

Range Line ∡ = 90° F.S. on 5-13
Shore
254+65

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 69
X-Sec. No. ____ Date ____ Date 10/22/47 Survey of Beach Erosion - Redondo
Notes Chkd. [illegible] Checked ____ Survey by Meineck Notes [illegible] Date 10-9-47
Date ____ Date ____ Map No. ____ Indexed A. C. Job Dean

FORM 307 10M 10-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
258+65	1 20	1817		1697	From pg. 57	
			122	1695	3.8' R.	Edge walk.
			10	172	19' R.	Beach.
			46	136	74' R.	"
			56	126	122' R.	"
			70	112	170' R	"
			62	120	255' R	"
			53	129	300' R	"
			47	135	372' R.	"
T.P.	0 28	1200	645	1172	395' R	" (1X1 SHE)
			55	6.5	427' R	" 10-10-'47
			110	1.0	483' R	Water
			118	0.7	494' R	"
			126	-1.[illegible]	501' R	"
			154	-3.[illegible]	529' R.	"

Range line ∡ = 90° F.S. on 5-13

Shore
258+65

F.B. 1290 PG. 70
Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Oct/47 No.
Survey by Alameda 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

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
258+65	5-13	~~1~~	~~R~~	~~8 50~~	~~89 10~~	{Out / Cut in ∡ missed	
		2	Y		89 30	Range Line ∡ = 90°	
		3	W		90 20		
		4	Y		89 30		
		5	W		90 00		
		6	R	8 53	90 00		
		7	Y		90 00		
		8	W		89 55		
		9	Y		90 00		
		10	W		90 10		
		11	R	9 00	90 15		
		12	Y		90 10		
		13	W		90 25		
		14	Y		90 10		
		15	W		90 20		
		16	R	9 07	90 05		
		17	Y		90 15		
		18	W		90 10		
		19	Y		90 00		
		20	W		90 15		

Range 258+65

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B./290 PG. 71
No. ____ Date ____ Date 10/22/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Meinecke Notes Gulk Date 10-7-47
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson

F.B. 1290 PG. 74

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

Survey of Beach Erosion - Redondo Date _____ Date Nov/47 No. _____

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

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
S-13	S-14	2 ~~1~~	Y		145° 30'	Range line 258 +65 Going Out
		3 ~~2~~	W	No watch No time	144 45	#1 "Red" Missed
		4 ~~3~~	Y		143 15	
		5 ~~4~~	W		142 20	
		6 ~~5~~	R		140 15	
		7 ~~6~~	Y		138 50	
		8 ~~7~~	W		137 10	
		9 ~~8~~	Y		134 00	
		10 ~~9~~	W		132 15	
		11 ~~10~~	R		130 15	
		12 ~~11~~	Y		128 55	
		13 ~~12~~	W		128 25	
		14 ~~13~~	Y		127 45	
		15 ~~14~~	W		127 25	
		16 ~~15~~	R		126 35	
		17 ~~16~~	Y		126 00	
		18 ~~17~~	W		125 10	
		19 ~~18~~	Y		124 50	
		20 ~~19~~	W		124 10	
		21 ~~20~~	R		122 25	

Cut In.
258 + 65.

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Beach erosion - Redondo Area
Survey by Kleineck Notes Nowacki Date Oct. 7, '47.
Map No. ____ Indexed ~~A. O. Johnson~~ Date ____

F.B. 1240 Pg. 75

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
S-13	S-14	22 ~~21~~	Y		12[illegible] 30	Range line 258+65 (Continued)
		23 ~~22~~	W		120 35	
		24 ~~23~~	Y		119 30	
		25 ~~24~~	W		118 30	
		26 ~~25~~	R		117 35	
		27 ~~26~~	Y		117 00	
		28 ~~27~~	W		116 50	
		29 ~~28~~	Y		116 40	
		30 ~~29~~	W		116 10	
		31 ~~30~~	R		116 [illegible]5	
		32 ~~31~~	Y		116 [illegible]0	
		33 ~~32~~	W		116 00	
		34 ~~33~~	Y		115 40	
		35 ~~34~~	W		115 [illegible]0	
		36 ~~35~~	R		115 30	inside toe of brk. water
		*	*		*	*

For soundings outside of brk. water see following page.

Cut in 258+65 Cont'd

F.B/290 PG. 76

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

Survey of Beach Erosion - Redondo Date Date 2/25/47 No. X-Sec.

Survey by Mewack Notes Newacki 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	
268+65	S-14	1	Y		12405	Range Line 258+65 Cont'd on	
		2			12350	outside of Breakwater 10-8-'47	
		3			12345		
		4			12250		
		5			12240		
		6			12150		

Cut in.
258+65 Cont'd

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date Nov/47. Job No. 8412 Division No. ____
X-Sec. Notes Chkd ____ Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date ____ Date ____ Survey by Klemack Notes Nowacki Date 10-8-'47
Map No. ____ Indexed A. C. Johnson

F.B. 1290 PG. 77

F.B/290 PG. 78

Job No. 847 Division No. _____ Notes Red. _____ Plotted H. U. M. H. Profile

Survey of Beach Erosion - Redondo Date _____ Date Nov/47 No. _____

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

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	8.49	4.0	43	out-cut in ~~2~~ missed		258+65 Going out
2	Y		5.0	59	3.4	2.5	
3	W		5.14	67	3.4	3.3	
4	Y		6.5	74	3.4	4.0	
5	W		7.2	87	3.4	5.3	
6	R	8.52	8.1	99	3.4	6.5	
7	Y		8.34	108	3.4	7.4	
8	W		9.4	118	3.4	8.4	
9	Y		10.8	127	3.4	9.3	
10	W		10.6	138	3.4	10.4	
11	R	8.59	11.3	147	3.5	11.2	
12	Y		11.62	162	3.5	12.7	
13	W		12.6	172	3.5	13.7	
14	Y		13.0	183	3.5	14.8	
15	W		13.6	192	3.5	15.7	
16	R	9.06	14.5	194	3.5	15.9	
17	Y		15.1	204	3.5	16.9	
18	W		15.9	213	3.5	17.8	
19	Y		16.9	230	3.5	19.5	
20	W		17.7	224	3.5	18.9	

Boat
258+65

Profile
No. ____ Notes Red. CWW Plotted H.U.M.H. Job No. 8412 Division No. ____
Date 10-22-47 Date 10/22/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. [illegible] Checked ____ Survey by Hainsch Notes H.K. Date 10-7-47
No. ____ Date 10-23-47 Date ____ Map No. ____ Indexed A. E. Johnson Date ____

F.B. 1290 Pg. 79

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
21	R	9:14	23.86	231	3.5	19.6	258+65 Cont'd
22	Y		23.62	238	3.5	20.3	
23	W		24.2	244	3.5	20.9	
24	Y		24.9	250	3.5	21.4	
25	W		24.8	246	3.5	21.1	
26	R	9:25	25.4	239	3.6	20.3	
27	Y		23.7	228	3.6	19.2	
28	W		22.5	212	3.6	17.7	
29	Y		21.3	201	3.6	16.5	
30	W		21.1	191	[illegible]	15.5	
31	R	9:29	20.04	181	3.6	14.5	
32	Y		19.4	171	3.6	13.5	
33	W		18.02	189	3.6	15.3	
34	Y		17.04	177	3.6	14.1	
35	W		16.6	167	3.6	13.1	
36	R	9:33	15.8	147	3.6	11.1	Boat. 258+65 Cont'd. Rock-Toe brk. water

* * * *

For soundings outside of breakwater see following page.

F.B. 290 Pg. 80

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

Survey of Beach Erosion - Redondo Date 10-22-47 Date Nov/47 No. X-Sec.

Survey by Heinack Notes H.H. Notes Chkd. [illegible] Checked

Indexed A. C. Johnson Date 10-7-47 Date 10-23-47 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	Y	10.18	8.3 10.5	90	3.2	ROCK 5.8	Range line 258+65
2			18.5 20.0	190	3.2	ROCK 15.8	Cont'd – Outside of
3			27.1 28.5	276	3.2	24.4	Breakwater – 10-8-'47
4			28.2 29.8	287	3.2	25.5	
5			29.8 31.0	297	3.2	26.5	
6		10.26	31.2 33.0	318	3.2	28.6	

Boat
258+65 Cont'd

Profile
No. ____ Date 10-22-47 Notes Red CWW Plotted H.U.M.H. Date Nov/47 Job No. 847 Division No. ____
X-Sec. Notes Chkd. [illegible] Checked ____ Survey of Beach Erosion – Redondo
No. ____ Date 10-23-47 Date ____ Survey by [illegible] Notes H.K. Date 10-8-'47
Map No. ____ Indexed C. Johnson

F.B. 1290 PG. 81

F.B./290 PG. 82

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

Survey of Beach Erosion - Redondo Date _____ Date _____ No. _____

Survey by Kleineck Notes _____ 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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
262 +65	5-13	1	R	9 56	90 00	Inside toe breakwater	
		2	Y		90 15	Range Line ∡ = 90°	
		3	W		90 00		
		4	Y		90 00		
		5	W		90 00		
		6	R	10 00	90 00		
		7	Y		90 00		
		8	W		90 20		
		9	Y		90 05		
		10	W		90 00		
		11	R	10 06	90 15		
		12	Y		90 15		
		13	W		90 10		
		14	Y		90 05		
		15	W		90 10		
		16	R	10 14	90 00		
		17	Y		90 00		
		18	W		90 00		
		19	Y		90 10		
		20	W		90 05		

Range
262 + 65

Profile No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H Job No. 8412 Division No. ____ F.B. 1290 PG. 83
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date Nov/47 Survey of Beach Erosion - Redondo
Survey by Kleinecke Notes Gulk Date 10-7-47
Map No. ____ Date ____ Indexed A. C. Johnson

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
262 +65	5-13	21	R	1018	90 05	Cont'd.
		22	Y		90 15	
		23	W		90 00	
		24	Y		90 10	
		25	W		90 00	
		26	R	1024	90 00	
		27	Y		89 35	
		28	W		90 00	
		29	Y		89 05	
		*	*		*	Soundings cont'd outside of
		1	Y		90 00	Breakwater 10-8-'47
		2	Y		89 55	
		~~3~~	~~Y~~	~~1039~~	~~90 10~~	Out.
		4	Y		90 00	
		5	Y		89 55	
		6	Y		90 10	

Range 262+65 Cont'd

F.B. 1290 PG. 84 Job No. 842 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date 10/7/47 No. X-Sec.
Survey by Maincut Notes BWK Notes Chkd. Checked No.
Indexed A. O. 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	
[illegible]	[illegible]	1	R		312° 30'	[illegible] 65	Coming in.
		2	Y		312 45		
		3	W		312 40		
		4	Y		312 55		
		5	W		313 15		
		6	R		313 35		
		7	Y		314 10		
		8	W		314 40		
		9	Y		314 55		
		10	W		316 55		
		11	R		318 30		
		12	Y		321 40		
		13	W		322 35		
		14	Y		324 00		
		15	W		325 20		
		16	R		327 35		
		17	Y		328 45		
		18	W		330 10		
		19	Y		331 20		
		20	W		332 55		

Cut in.
262+65

Profile
No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date Nov/47. Survey of Beach erosion - Redondo Area
No. ____ Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nowack Date Oct. 7, '47.
Date ____ Date ____ Map No. ____ Indexed C. Johnson

F.B/1290 Pg. 85

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
276+65	S-13	21	R		334 40	Range Line 262+65 (Continued)
		22	Y		335 45	
		23	W		336 50	
		24	Y		339 25	
		25	W		342 55	
		26	R		345 55	
		27	Y		347 10	
		28	W		348 35	
		29	Y		349 25	
		*		*	*	Soundings Cont'd outside of breakwater. 10-8-47. Note:
276+65	S-14	4 ~~1~~	Y		130 00	Missed First 3 soundings
		5 ~~2~~			129 10	
		6 ~~3~~			128 50	For #1 + #2 Shots see boat notes.

Cut in. 262+65 Cont'd

F.B. 1290 PG. 86

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

Survey of Beach Erosion - Redondo Date Date Nov/47 No. X-Sec.

Survey by Meineck Notes Nowacki Notes Chkd. Checked No.

Indexed A. C. Jones 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	9.55	12.0	122	3.6	8.6	262+65 Rock
2	Y		12.6	177	3.6	14.1	(Going in) Rock
3	W		17.6	129	3.6	9.3	Rock
4	Y		18.0	261	3.6	22.5	Rock
5	W		13.6	281	3.6	24.5	
6	R	9.59	26.3	288	3.6	25.2	
7	Y		28.0	302	3.6	26.6	
8	W		28.4	312	3.6	27.6	
9	Y		29.3	307	3.6	27.1	
10	W		30.0	312	3.6	27.6	
11	R	10.05	31.5	300	3.6	26.4	
12	Y		31.4	287	3.6	25.1	
13	W		31.0	276	3.6	24.0	
14	Y		29.8	263	3.6	22.7	
15	W		29.5	253	3.7	21.6	
16	R	10.12	29.3	244	3.7	20.7	
17	Y		29.3	234	3.7	19.7	
18	W		29.2	220	3.7	18.3	
19	Y		28.0	209	3.7	17.1	
20	W		21.0	198	3.7	16.1	

Boat
262+65

Profile No. ____ Notes Red CWW Date 10-22-47 Plotted H.U.M.H. Date 10-23-47 Job No. E412 Division No. ____ Survey of Beach Erosion - Redondo Date 10-2-47 Notes Chkd. [illegible] Date 10-23-47 Checked ____ Survey by [illegible] Notes H.H. Date 10-2-47 Map No. ____ Indexed [illegible] Date ____

F.B. 1290 Pg. 87

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
21	R	10.16	18.08	143	3.7	14.6	262+65 Cont'd
22	Y		17.0	173	3.7	13.6	
23	W		18.05	[illegible]	3.7	12.5	
24	Y		17.54	149	3.7	11.2	
25	W		16.0	139	3.7	10.2	
26	R	10.22	13.3	124	3.7	8.7	
27	Y		15.0	109	3.7	7.2	
28	W		11.6	[illegible]	3.7	5.7	
29	Y		14.0	93	3.7	4.6	
			10.4				
			12.0				
			9.1				
			9.9				
			7.8				
			9.2				
1	Y	10.39	8.0	87	3.2	5.5	Soundings outside of breakwater. 10-8-47 doing out.
2	Y		10.08	250	3.2	21.8	
3	~~Y~~		25.4		3.2		
4	Y		~~30.3~~ ~~33.0~~ Out.	320	3.2	28.8	
5	Y		31.5	331	3.2	29.9	
6	Y	10.47	33.0	345	3.2	~~29.9~~ 31.3	

Boat 262+65 Cont'd.

Note: Cut in #5 missed on first 3 shots but #1 & #2 were out from ℄ of breakwater approximately 35' + 50' resp. and on range line.

F.B. 1290 Pg. 88 Job No. 8412 Division No. Notes Red. CWW Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date 10-22-47 Date 10/22/47 No. X-Sec.
Survey by Heinecke Notes H.H. Notes Chkd. [illegible] Checked
Indexed A. C. Johnson Date 10-7-47 Date 10-23-47 Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
262+65	427	2094		1667	From pg. 57	
			427	1667	4' Edge walk.	
			34	175	26' R Beach.	
			50	159	69' R "	
			49	160	96' R "	
			47	162	135' R "	
TP	039	1423	700	1394	148' R "	(1X1 stk.)
			75	68	186' R "	10-10-47
			123	20	222' R - water	
			153	-10	256' R - "	
			180	-37	266' R. "	
			190	-47	280' R. "	

Range Line ∡ = 90°
F.S. on 5-13.

Shore
262+65

File Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 89
Date ____ Date Oct/47 Survey of Beach Erosion - Redondo
Notes Chkd ____ Checked ____ Survey by Heineck Notes Gulk Date 10-9-47
Date ____ Date ____ Map No. ____ Indexed C. Job Date

F.B. 240 PG. 90 | Job No. 842 | Division No. ____ | Notes Red. ____ | Plotted H. U. M. H. | Profile
Survey of Beach Erosion - Redondo | Date ____ | Date Nov/47 | No. ____
Survey by Kleineck | Notes GWK 10-9-49 | Notes Chkd. ____ | Checked ____ | X-Sec.
Indexed A. C. Johns | Date ____ | Date ____ | Date ____ | No. ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Range line ⊄ = 900
F.J. on 5-13

Shore
264+65

STATION	B.S.	H.I.	F.S.	ELEV.		
264+65	321	1981		1660	From pg. 57	
			319	1662	3.2' R. Edge walk	
			35	16[illegible]	20' R. Beach	
			34	16[illegible]	35' R "	
T.P.	0.55	1429	587	[illegible]	53' R "	(1x1 stk)
			40	[illegible]	78' R "	10-10-49
			120	[illegible]	133' R. Water	
			155	-[illegible]	173' R – "	
			175	-[illegible]	180' R – "	
			152	-[illegible]	194' R – "	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
264	5-13	1	R	10 36	90 00		
+65		2	Y		90 15		
		3	W		92 15		
		4	Y		90 25		
		5	W		89 15		
		6	R	10 46	89 25		
		7	Y		89 30		
		8	W		88 50		
		9	Y		89 45		
		10	W		90 35		
		11	R	10 53	90 40		
		12	Y		89 50		
		13	W		89 05		
		14	Y		90 10		
		15	W		89 40		
		16	R	11 06	88 40		
		17	Y		90 00		
		18	W		89 55		
		19	Y		89 05		
		20	W		90 35		

Range
264+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Klemcke Notes GWK Date 10-7-47
Map No. ____ Indexed A. C. Johnson

F.B. 1290 PG. 91

F.B. 1290 PG. 92

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

Survey of Beach Erosion Date _____ Date Nov/47 No. _____

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

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

Range
264+65 Contd

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
264 5-13	21	R	1112	8155		
+65	22	Y		9000		
	23	W		9000	End.	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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	
276+65 S-13	1	R		352° 05'	Range 264 + 65 Near shore	
	2	Y	No watch No Time	351 00	Going out.	
	3	W		349 00		
	4	Y		348 25		
	5	W		346 20		
	6	R		345 05		
	7	Y		343 10		
	8	W		341 40		
	9	Y		341 00		
	10	W		340 05		
	11	R		340 15		
	12	Y		337 00		
	13	W		336 05		
	14	Y		335 50		
	15	W		334 30		
	16	R		330 10		
	17	Y		329 00		
	18	W		327 20		
	19	Y		325 35		
	20	W		322 55		

Cut in.
264 + 65.

Profile
No. X-Sec. Notes Red Plotted H.U.M.H. Job No. 8412 Division No.
Date Date Date 1/20/47 Survey of Beach erosion - Redondo Area
Notes Chkd. Checked Survey by Kleineck Notes Nowacki Date Oct. 7, '47
No. Date Date Map No. Indexed A. C. Johnson

F.B. 1240 PG. 93

F.B. 1290 PG. 94

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

Survey of Beach Erosion - Redondo Date _____ Date Nov/47. No. _____

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

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

Cut in
264+65 Contd

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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
276+65 S-13	21	R		320°20'	Range Line 264+65 (Continued)	
	22	Y		318 50		
	23	W		317 15	End.	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

• NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 C W W Plotted H.U.M.H Job No. 5411-2 Division No.
No. Date 10-22-47 Date Checked Survey of Entrance Channel - Redondo
X-Sec. Notes Chkd Checked Survey by H. Lennox Notes H-K Date 10-22-47
No. Date 10-23-47 Date Map No. Indexed A. C. Johnson

F.B. 2190 Pg. 95

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	10.35	6.8	6.9	3.7	3.2	264+65 Going out.
2	Y		10.3	9.7	3.7	6.0	
3	W		11.3	11.2	3.7	7.6	
4	Y		11.8	11.8	3.7	8.1	
5	W		13.1	13.1	3.7	9.4	
6	R	10.44	14.1	14.1	3.8	10.3	
7	Y		14.8	14.8	3.8	11.0	
8	W		14.3	14.3	3.8	10.5	
9	Y		16.8	16.8	3.8	13.0	
10	W		15.4	15.4	3.8	11.6	—
11	R	10.51	17.3	17.3	3.9	13.4	
12	Y		17.1	17.1	3.9	13.2	—
13	W		18.8	18.8	3.9	14.9	
14	Y		17.5	17.5	3.9	13.5	—
15	W		19.2	19.2	3.9	15.3	
16	R	11.04	20.5	20.5	4.0	16.5	
17	Y		22.4	22.4	4.0	18.4	
18	W		23.7	23.7	4.0	19.7	
19	Y		24.5	24.5	4.0	20.5	
20	W		25.8	25.8	4.0	21.8	

Boat
264+65

F.B/290 PG. 96

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

Survey of Beach Erosion - Redondo Date 10-22-47 Date Nov/47 No. _____

Survey by Weinert Notes H.K. Notes Chkd. AZ Checked _____ X-Sec.

Indexed A. C. Johnson Date 10-7-47 Date 10-23-47 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.		
		Meas.		Ht.		
#1	Color	Time	Depth	Bottom	Tide	Adj. Depth	Remarks
22	R	11.11	26.0	272	4.1	23.1	264+65 Cont'd.
23	Y		28.0	282	4.1	24.1	
	W		29.7	294	4.1	25.3	End.
			30.0				

Boat
264+65 Cont'd

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
268+65	435	2133		1698	→ From pg. 57 + in walk	
			436	1697	40'R - Edge walk	
			26	187	5'R - Brk - Top rock fill	
			27	186	17'R - " - " " "	
T.P.	273	1258	1148	985	Rock	
			43	83	26'R - Brk - Toe rock fill	
			104	22	66'R - Beach	
			145	-19	107'R - Water	
			155	-29	108'R - "	
			159	-33	141'R - "	

Shore
268+65

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Date 12/20/47 Job No. 8412 Division No. ____
X-Sec. Notes Chkd. ____ Checked ____ Date ____ Survey of Beach Erosion - Redondo
No. ____ Date ____ Survey by Meineck Notes Gulk Date 10-10-47
Map No. ____ Indexed A. O. Job Detail

F.B. 1290 Pg. 97

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
270+65	384	20 90		17 [illegible]	from pg. 57 + in walk.	
			387	[illegible]	4'R - Edge walk.	
			13	[illegible]	5'R - Brk - Top rock fill.	
			20	[illegible]	19'R - " - " " "	
T.P.	129	10 97	1122	9 [illegible]	Rock	
			49	[illegible]	31'R - " - Toe rocks	
			124	- [illegible]	95'R - water	
			138	- [illegible]	97'R - "	
			140	- [illegible]	133'R "	

Shore
270+65

F.B. 1290 PG. 98
Job No. 84[illegible] Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date 1/05/47 No.
Survey by Mlemeck Notes GWK 10-10-47 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	
268	5-14	1	R	11 37	94 55		
465		2	Y		94 45		
		3	W		95 05		
		4	Y		96 00		
		5	W		94 40		
		6	R	11 46	94 20		
		7	Y		94 40		
		8	W		95 15		
		9	Y		94 30		
		10	W		94 45		
		11	R	11 51	95 25		
		12	Y		95 00		
		13	W		94 00		
		14	Y		93 10		
		15	W		92 30		
		16	R	11 53	92 40		
		17	Y		98 20	End.	

Range
268 & 465

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date 1/20/47 Survey of Beach Erosion - Redonda
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Meinecke Notes Fink Date 10-7-'47
Date ____ Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1290 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.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
270 + 65	5-14	1	C	11 05	95 55	Range Line ∠ = 95°06'
		2	Y		95 15	
		3	W		96 05	
		4	Y		96 35	
		5	W		96 25	
		6	R	11 15	95 10	
		7	Y		95 40	
		8	W		95 05	
		9	Y		95 05	
		10	W		93 40	
		11	R	11 21	94 45	
		12	Y		93 25	
		13	W		95 00	
		14	Y		94 05	

Range 270+65

F.B. 1290 PG. 100

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

Survey of Board Erosion - Redondo Date Date 10-8-47 No. X-Sec.

Survey by Fleisch Notes GWK 10-8-47 Notes Chkd. Checked

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
276+65 S-13	1	R		304° 55	Range Line 268+65	
	2	Y		308 10		Coming in
	3	W		311 05		
	4	Y		314 25		
	5	W		317 25		
	6	R		322 00		
	7	Y		328 05		
	8	W		330 45		
	9	Y		333 35		
	10	W		336 10		
	11	R		338 50		
	12	Y		342 00		
	13	W		344 10		
	14	Y		345 50		
	15	W		347 40		
	16	R		349 25		
	17	Y		350 50	End.	

Cut in. 268+65.

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H Job No. 8412 Division No. ____
X-Sec. Date 12/24/47 Survey of Beach erosion - Redondo Area
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nowacki Date Oct. 7, '47.
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson

F.B. 1290 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
262+65	S-13	1	R		55 45	Range Line 270+65 (Coming in)
		2	Y		52 30	
		3	W		47 55	
		4	Y		45 10	
		5	W		42 25	
		6	R		35 30	
		7	Y		30 00	
		8	W		23 05	
		9	Y		19 15	
		10	W		14 30	
		11	R		12 20	
		12	Y		10 15	
		13	W		8 00	
		14	Y		5 35	

Cut in 270+65

F.B. 1290 PG. 102 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Oct. 8, '47 Date 12/5/47 No. X-Sec.
Survey by Wenick Notes Nowacki Notes Chkd. Checked
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.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	11.36	29.5	300	4.2	25.8	268+65
2	Y		30.9	289	4.2	24.7	
3	W		30.3	277	4.2	23.5	
4	Y		29.0	265	4.3	22.2	
5	W		28.0	247	4.3	20.4	
6	R	11.45	24.0	236	4.4	19.2	
7	Y		22.0	224	4.4	18.0	
8	W		23.5	215	4.4	17.1	
9	Y		20.0	204	4.4	16.0	
10	W		21.7	188	4.4	14.4	
11	R	11.49	18.1	178	4.4	13.4	
12	Y		20.2	157	4.4	11.3	
13	W		17.0	144	4.4	10.0	
14	Y		19.3	134	4.4	9.0	
15	W		15.2	111	4.4	6.6	
16	R	11.52	17.8	93	4.5	4.8	
17	Y		15.7	73	4.5	2.8	End
~~18~~	~~W~~		14.5				
~~19~~	~~Y~~		10.5				
~~20~~	~~W~~		10.0				

Boat
268+65.

Profile
No. ____ Date 10-22-47 Notes Red CWW Plotted H.U.M.H. Job No. 2417 Division No. ____
X-Sec. Date 10-22-47 Notes Chkd. [illegible] Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date 10-23-47 Date ____ Survey by Mamon Notes HH Date 10-7-47
Map No. ____ Indexed A. C. Jangger Date ____

F.B. 1290 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		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	1109	29.9 / 29.5	284	3.3	25.1	Range Line 270+65
2	Y		26.5 / 29.0	273	3.3	24.0	
3	W		25.4 / 27.0	259	[illegible]	22.6	
4	Y		23.8 / 26.1	246	3.3	21.3	
5	W		22.7 / 25.0	236	3.3	20.3	
6	R	1117	21.2 / 24.1	222	3.3	18.9	
7	Y		19.9 / 22.0	206	3.3	17.3	
8	W		18.5 / 22.1	197	3.3	16.4	
9	Y		17.0 / 20.0	180	3.3	14.7	
10	W		14.5 / 17.0	153	3.3	12.0	
11	R	1124	12.8 / 14.5	134	3.3	10.1	
12	Y		11.1 / 13.0	117		8.4	
13	W		8.5 / 11.0	93		6.0	
14	Y		6.3 / 6.5	64		3.1	

Boat 270+65

Notes copied RMK

F.B. 1290 PG. 104

Job No. 8412 Division No. Beach Erosion - Cedarwood Notes Red CWW Date 10-22-47 Plotted H.U.M.H. Date 10/30/47 No. Profile

Survey of Beach Erosion - Cedarwood Notes HK Date 10-8-47 Notes Chkd. [illegible] Date 10-23-47 Checked No. X-Sec.

Survey by [illegible] Date

Indexed A. O. Johnson Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
272+65	442	2099		1657	From pg. 57. 2x4 stk.	
			17	143	3'R - Brk - Top rock fill	
			22	188	13'R - " - " " "	
TP	101	1139	1061	1038	Rock	
			33	81	26'R - Brk - Toe rock fill	
			74	40	54'R - Beach	
			125	-11	101'R - water	
			137	-23	113'R - "	
			148	-34	137'R - "	

Shore
272+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date Nov/47 Job No. 847 Division No. ____ Survey of Beach Erosion - Redondo
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey by Meineck Notes GWK Date 10-10-46 Map No. ____ Indexed ____ Date ____

F.B./290 Pg. 105

F.B. 1290 PG. 106

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

Survey of Beach Erosion - Redondo Date ____ Date Nov/47 No. ____

Survey by Hemeck Notes BWK-10-10-47 Notes Chkd. ____ Checked ____ X-Sec.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Range line ℄ = 90° F.S. on "5-78"

STATION	B.S.	H.I.	F.S.	ELEV.	
					∇ from pg. 58.
306+65	023	2122		2099	N. of T. in out
			04		6.6'R = Edge roadway
			22		10.9'R. Brk
			00		17'R. "
			82		25'R. "
			92		36'R. Beach
			90		54'R "
T.P.			939	1183	76'R " 1X1 STK.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
272	5-14	1	R	1130	95 55	Range Line ∡ = 95°06'	
+65		2	Y		95 05		
		3	W		94 50		
		4	Y		96 40		
		5	W		95 05		
		6	R	1122	96 35		
		7	Y		98 30		
		8	W		92 50		
		9	Y		94 35		
		10	W		94 10		
		11	R	1153	95 55		
		12	Y		94 50		
		13	W		95 30		
		14	Y		95 40		
		15	W		96 00		

Range
272+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Klemeck Notes G.W.K. Date 10-8-47
Date ____ Map No. ____ Indexed A. C. Job Date

F.B. 1290 Pg. 107

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
276 +65	5-14	1	R	7 08	95 15	Range line ∡ = 95°06'
		2	Y		95 15	water rough
		3	W		95 15	
		4	Y		95 15	
		5	W		95 15	
		6	R	7 22	95 45	
		7	Y		95 15	
		8	W		95 15	
		9	Y		95 15	
		10	W		94 15	
		11	R	7 33	95 15	
		12	Y		95 [illegible]	
		13	W		95 25	
		14	Y		95 55	
		15	W		95 10	

Range 276+65

F.B. 1740 Pg. 108

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

Survey of Beach Erosion - Redondo Date Date 8/20/47 No. X-Sec.

Survey by Wenneck Notes SWK 10-9-47 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 Notes Red_____ Plotted H U M H Job No. 8412 Division No._____
No._____ Date_____ Date 8/26/47 Survey of Beach Erosion - Redondo Area
X-Sec. Notes Chkd_____ Checked_____ Survey by Kleineck Notes Nowack Date Oct. 8, '47
No._____ Date_____ Date_____ Map No._____ Indexed A. C. Jenkins

F.B. 220 PG. 109

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At .27 On	#	Color	Time	Hor. Ang.	Remarks	
264+25 S-14 (5-13)	1	R		8 45	Range Line 272+65 (Going out)	
	2	Y		11 15		
	3	W		14 10		
	4	Y		15 40		
	5	W		17 05		
	6	R		20 20		
	7	Y		21 30		
	8	W		24 35		
	9	Y		29 00		
	10	W		36 50		
	11	R		46 05		
	12	Y		51 30		
	13	W		55 25		
	14	Y		58 05		
	15	W		61 25		

Cent ing.
272+65

FORM 307 5M 1-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
268+65	S-14	1	R		[illegible]	Range line 276+65 (Coming in)	
		2	Y		57[illegible]0		
		3	W		[illegible]		
		4	Y		5[illegible]50		
		5	W		4[illegible]0		
		6	R		47[illegible]5		
		7	Y		44[illegible]0		
		8	W		3900		
		9	Y		3[illegible]45		
		10	W		3[illegible]00		
		11	R		2[illegible]5		
		12	Y		2[illegible]55		
		13	W		1[illegible]40		
		14	Y		1720		
		15	W		[illegible]	(Near shore)	

Cut in 276+65

F.B. 1290 PG. 110
Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Date Nov/47 No. Profile
Survey of Beach Erosion - Redondo Date Checked No. X-Sec.
Survey by Meinecke Notes Nowacki Notes Chkd. Date No.
Indexed L. C. Johnson Date Oct 9, '47

FORM 307 5M 1-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks 272+65
1	R	11.34	6.0	67	33	3.4	Range Line
2	Y		6.0	83	33	5.0	
3	W		7.5	106	33	7.3	
4	Y		10.0	119	33	8.6	
5	W		10.1	140	33	10.7	
6	R	11.40	11.5	155	33	12.2	
7	Y		11.9	164	33	13.1	
8	W		12.0	180	33	14.7	
9	Y		13.5	197	33	16.4	
10	W		15.0	215	33	18.2	
11	R	11.56	15.0	237	34	20.3	
12	Y		16.0	250	34	21.7	
13	W		17.3	262	34	22.8	
14	Y		17.3	273	34	23.9	
15	W		19.0	283	34	24.9	End

Boat
272+65

Profile
No. ____ Notes Red CWW Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 PG. 111
Date 10-22-47 Date 8/20/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd [illegible] Checked ____ Survey by Kleinock Notes H.K. Date 10-8-47
No. ____ Date 10-23-47 Date ____ Map No. ____ Indexed A. C. Johnson

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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	709	29.0 / 31.5	278	44	25.4	Range line 276+65
2	Y		27.5 / 31.5	288	44	244	
3	W		27.0 / 31.0	283	44	239	
4	Y		25.0 / 29.0	263	44	219	
5	W		25.0 / 29.0	263	44	~~220~~ 21.9	
6	R	723	24.0 / 26.8	249	43	20.6	
7	Y		23.0 / 26.7	~~242~~ ~~234~~	43	19.9	
8	W		21.9 / 24.5	228	43	18.5	
9	Y		20.2 / 25.0	218	43	17.5	
10	W		19.1 / 22.5	207	43	~~15.6~~ 15.9	
11	R	734	17.9 / 20.7	188	43	14.5	
12	Y		16.5 / 19.0	173	43	13.0	
13	W		14.1 / 18.0	154	43	11.1	
14	Y		13.1 / 16.0	141	43	9.8	
15	W		12.1 / 15.0	131	43	8.8	Rough - Heavy Surf

Boat 276+65

Job No. 8412 Division No. Notes Red. CWW Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date 10-22-47 Date 2005/47 No. X-Sec.
Survey by Hemmet Notes H.H. - 10-9-47 Notes Chkd. [illegible] Checked Date No.
Indexed [illegible] Date 10-23-47 Date

F.B. 1290 PG. 112

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 57	
276+65	350	2092		1742	2x4 Stk. N+T.	Range line ∡ = 95°06 F.S. on "5-14"
			31	178	6' R - inside Edge rock fill	
			15	194	6' R - Top " "	
			20	184	17' R - " " "	
			77	132	24' R - Outside toe rock fill	
T.P.	1.76	1318	770	1122		
			53	77	35' R - Beach	
			115	17	84' R - Water	
			151	-19	138' R - "	

Shore
276+65

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date Nov/47 Job No. 8412 Division No. ____ Survey of Beach Erosion - Redondo

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Hemrick Notes Gwk Date 10-29-47

Map No. ____ Date ____ Indexed ____ Date 11-3-47

F.B. 1290 PG. 113

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
					From pg. 57
280+65				1391	2×2 Stk. N.T. Gone — Range line ∠ = 95°06' F.S. on "S-14"
280+65	241	1983		1742	From page 113 - Sta. 276+65.
			82	116	on Sta.
			58	140	14' L - Ground.
			50	148	28' L - " "
			46	152	42' L - "
			46	152	62' L - " - Brk
			07	191	75' L - " - Top Brk
			02	196	89' L - " Flat
			96	102	6' R - Inside toe rock fill
			35	163	16' R - Top rock fill.
			43	155	25' R - Top " "
			123	75	35' R - Outside toe (beach) rock fill

Note: This profile cannot be carried any farther out on account of rough water.
[illegible]

Shore 280+65

F.B. 1290 PG. 114 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date 1/25/47 No. X-Sec.
Survey by Wemeek Notes G.N.K. - 10/31/47 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
280	"5-14"	1	R	755	95 15	Range line ∡ =	95°06' F.S. on "5-14"
+65		2	Y		95 05		
		3	W		95 15		
		4	Y		94 55		
		5	W		94 50		
		6	R	805	94 45		
		7	Y		95 10		
		8	W		95 05		
		9	Y		95 45		
		10	W		95 40		
		11	R	813	95 00		
		12	Y		95 25		
		13	W		95 25	End	

Range 280+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8417 Division No. ____
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Meineck Notes Qwk Date 10-24-47
Date ____ Map No. ____ Indexed ____ Date 10-27-1947

F.B. 1290 Pg. 115

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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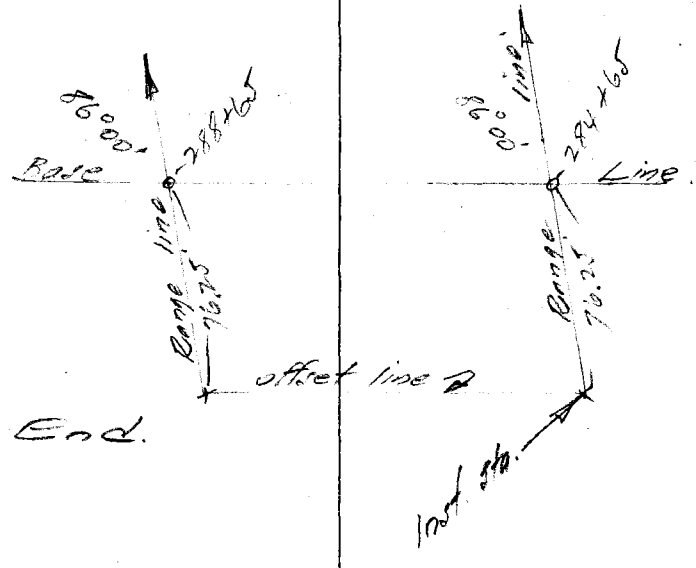
Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
284 +65	Offset point 76.25 to left of 288 +65	1	R	900	8555	Range line ∡ = 86°00' F.S. on "S-15"
		2	Y		8600	on base-line.
		3	W		8600	
		4	Y		8525	
		5	W		8650	
		6	R	908	8540	
		7	Y		8550	
		8	W		8600	
		9	Y		8615	
		10	W		8615	
		11	R	915	8550	
		12	Y		8550	End.

See sketch

Range 284+65 76.25' back of base-line (to left of) on two range line



F.B. 1290 PG. 116

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

Survey of Beach Erosion - Redondo Date Date 1/25/47 No. X-Sec.

Survey by Meineck Notes B.W.C. 10-24-47 Notes Chkd. Checked

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
292 +65	Pt. 2.0' to E. of "S-16"	1	R		126 40	Range Line 280 + 65, boat coming in.
		2	Y		130 05	
		3	W		132 20	
		4	Y		135 45	
		5	W		139 30	
		6	R		143 30	
		7	Y		146 05	
		8	W		148 50	
		9	Y		154 30	
		10	W		157 45	
		11	R		160 45	
		12	Y		162 00	
		13	W		162 50	

On 2' offset line to R (to seaward)

Cut in 280+65

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 4812 Division No. ____ F.B. 1290 PG. 117
X-Sec. No. ____ Date ____ Date 11/20/47. Survey of Beach Erosion - Redondo
Notes Chkd ____ Checked ____ Survey by Kleineck Notes Nowacki Date 10-24-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1290 Pg. 118

Job No. 4812 Division No. _____ Notes Red. _____ Plotted H.U.M.H. Profile

Survey of Beach Erosion - Redondo Date _____ Date Nov/47 No. _____

Survey by Kleineck Notes Nowacki 10-24-47 Notes Chkd. _____ Checked _____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At 292 On 165 S-16	#	Color	Time	Hor. Ang.	Remarks	
	1	R		112 55	Just in offset line 200 R of control line	
	2	Y		123 5	Range Line 284+65	
	3	W		125 15		
	4	Y		128 0		
	5	W		132 10		
	6	R		137 0		
	7	Y		141 5		
	8	W		145 30		
	9	Y		149 0		
	10	W		153 10		
	11	R		158 25		
	12	Y		161 0		

Cut in 284+65

On 2.0' offset line to E.

FORM 307 5M 1-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	754	28.0 30.9	29.0	4.2	24.8	Range line 280+65
2	Y		27.4 29.1	28.0	4.2	23.8	
3	W		25.8 29.8	27.1	4.2	22.9	
4	Y		24.7 27.1	25.5	4.1	21.4	
5	W		23.7 25.6	24.3	4.1	20.2	
6	R	805	22.5 25.0	23.3	4.1	19.2	
7	Y		21.8 23.8	22.5	4.1	18.4	
8	W		19.9 22.7	20.8	4.1	16.7	
9	Y		18.0 20.2	18.7	4.1	14.6	
10	W		16.0 19.0	17.0	4.1	12.9	
11	R	812	13.6 16.5	14.6	4.1	10.5	
12	Y		11.5 14.0	12.3	4.1	8.2	
13	W		10.5 12.5	11.2	4.1	7.1	End.

Boat
280+65

Profile
No. _____ Notes Red [illegible] Plotted H.U.M.H. Job No. 8417 Division No. _____
X-Sec. _____ Date 10-24-47 Date Nov 5/47 Survey of Beach Erosion - Redondo
No. _____ Notes Chkd. [illegible] Checked _____ Survey by Alvarez Notes H.G.H. Date 10-24-47
Date 10-29-47 Date _____ Map No. _____ Indexed A. C. Johnson

F.B. 1290 PG. 119

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	854	28.5 / 30.2	291	3.7	25.4	Range line 284+65
2	Y		27.0 / 29.1	277	3.7	24.0	
3	W		25.8 / 27.4	263	3.7	22.6	
4	Y		24.3 / 27.6	254	3.7	21.7	
5	W		23.0 / 24.4	235	3.7	19.8	
6	R	911	21.4 / 24.5	224	3.6	18.8	
7	Y		20.0 / 22.5	208	3.6	17.2	
8	W		18.4 / 22.0	196	3.6	16.0	
9	Y		16.4 / 20.0	176	3.6	14.0	
10	W		15.1 / 18.1	161	3.6	12.5	
11	R	914	13.0 / 14.3	134	3.5	9.9	
12	Y		11.0 / 13.0	117	3.5	8.2	End.

Boat 284+65

F.B. 1240 PG. 120

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

Survey of Beach Erosion - Redondo Date 10-24-47 Date Nov/47 No. X-Sec.

Survey by Heineck Notes G.O.H. 10-24-47 Notes Chkd. Checked

Indexed A. C. Johnson Date Date 10-29-47 Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					From pg. 57	
284+65				1245	2x2 Stk. N.&T.	Range line ∡ = 86°00' F.S. on S-15"
			✓	✓ ✓ ✓	Gone	
	423	2181		1758	Elev. Sta. 288+65 - See pg. 122.	
284+65			1042	* 1139	1x2 Stk 0.4' down	
			100	118	10' R - inside edge rock dike.	
			59	159	11' R. - Top " "	
			59	159	20' R - " " "	
			✓	✓ ✓ ✓		
284+65	1123	2262		1139	From above.	10-31-'47
			110	116	10' L. - Ground	
			88	138	29' L. -	
			86	140	34' L. - " - Brk	
			37	189	45' L. - Top of "	
			33	193	76' L - Flat	
	+		-			
TP.	1040	2148		* 1139.	Note: This profile cannot be	
	1.4	121	11.1	10.7.	carried any farther out on	
			13.0	-0.9.	account of rough water.	
	✓ (OK) by Kleineck. - 11/24/47.				Toe of Rock fill. 45' Rt.	

Shore 284+65

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 11/30/47 Job No. 8412 Division No. ____ Survey of Beach Erosion - Redondo Survey by Heineck Notes GWK Date 10-29-'47 Map No. ____ Date ____

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

F.B/29 PG. 121

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 57
288+65	130	1888		[illegible]	2x2 Stk. N+T. Range line ∠ = 86°00' F.S. on "S-15"
			31	[illegible]	28'R - Brk-Outside top edge rock fill
TP	10	778	121	678	
			90	[illegible]	59'R - Toe rock fill
			104	[illegible]	79'R - Water
			130	[illegible]	127'R - "
288+65	594	2352		1758	From above.
			53	18[illegible]	28'L. - on fill.
			47	188[illegible]	74 L. - " " - W. edge of theater conc. walk approx. walk grade.

Shore 288+65

F.B. 1290 PG. 122

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

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

Survey by Wiener Notes Built 10-29-47 Notes Chkd. Checked

Indexed A. C. Johns 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	
288		1	R	937	86 45	Range line ∡ – 86°00' F.S. on "5-15"	
+65	"5-15"	2	Y		85 45		
		3	W		87 45		
		4	Y		85 50		
		5	R		85 15		
		6	Y		86 30		
		7	W		86 50		
		8	Y		86 40		
		9	W		85 45		
		10	R	949	86 50		
		11	Y		85 10		
		12	W		85 00		
		13	Y		86 05		
		14	W		86 25	End.	

Range
288+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date Nov/47 Survey of Beach Erosion – Redondo
No. ____ Notes Chkd ____ Checked ____ Survey by Kleinock Notes G.W.K. Date 10-24-'47
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson

F.B. 1290 PG. 123

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
292	"5-16"	1	R	1006	7635	Range line ∡ = 76°01'
+65		2	Y		7605	
		3	W		7535	
		4	Y		7455	
		5	W		7605	
		6	R	1010	7625	
		7	Y		7630	
		8	W		7635	
		9	Y		7655	
		10	R	1014	7600	
		11	Y		7510	
		12	W		7605	
		13	Y		7450	
		14	W		7650	
		15	R	1020	7725	
		16	Y		7520	End.

On 2' offset line to Right (Seaward)

2' offset to R.

Range 292+65

F.B. 1290 PG. 124

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

Survey of Beach Erosion - Redondo Date ____ Date 11/25/47 No. ____

Survey by Kleineck Notes Calk 10/24/47 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	
276 +65	C-14	1	R		39° 50'	Range Line 288+65	
		2	Y		37 50		
		3	W		36 15		
		4	Y		33 30		
		~~5~~	~~W~~				
		5 ~~6~~	R		31 25		
		6 ~~7~~	Y		29 25		
		7 ~~8~~	W		28 10		
		8 ~~9~~	Y		25 15		
		9 ~~10~~	W		21 25		
		10 ~~11~~	R		19 40		
		11 ~~12~~	Y		16 50		
		12 ~~13~~	W		14 40		
		13 ~~14~~	Y		12 50		
		14 ~~15~~	W		11 25		

Cut in 288+65

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Date 2/25/47 Job No. 4812 Division No. ____ Survey of Beach erosion - Redondo
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nowacki Date 10-24-45
Map No. ____ Indexed A. C. Johnson

F.B. 1290 PG. 125

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
276 +65	S-14	1	R		33 25	Range Line 292 +65	
		2	Y		3[illegible] 25		
		3	W		31 40		
		4	Y		3[illegible] 40		
		5	W		3[illegible] 35		
		6	R		2[illegible] 45		
		7	Y		27 30		
		8	W		2[illegible] 35		
		9	Y		2[illegible] 10		
		~~10~~	~~W~~				
		10 ~~11~~	R		23 15		
		11 ~~12~~	Y		2[illegible] 10		
		12 ~~13~~	W		18 45		
		13 ~~14~~	Y		16 10		
		14 ~~15~~	W		14 [illegible]5		
		15 ~~16~~	R		13 20		
		16 ~~17~~	Y		12 10		

Cut in 292+65

F.B. 1290 PG. 126

Job No. 4812 Division No. Notes Red. Plotted H. U. M. H. Profile

Survey of Beach erosion - Redondo Date Date 7/25/47 No. X-Sec.

Survey by Kleineck Notes Nowacki 10-24-47 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date

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LOS ANGELES COUNTY SURVEYOR
720 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. [illegible] Plotted H.U.M.H. Job No. 6W126 Division No. ____ F.B. 1126 PG. 127
X-Sec. No. ____ Date 10-24-47 Date 10-24-47 Checked [illegible] Survey of Beach Erosion - Control Date 10-24-47
Notes Chkd 10-24-47 Date ____ Survey by [illegible] Notes [illegible] Date 10-24-47
Map No. ____ Indexed [illegible]

STATION #	Color	B.S. - Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	936	28.9 30.8	295	3.3	26.2	Range line 288+65
2	Y		27.6 29.6	281	3.3	24.8	
3	W		25.9 28.0	266	3.3	23.3	
4	Y		24.3 26.0	249	3.3	~~20.6~~ 21.6	
5	R	942	22.9 24.8	235	3.3	~~14.2~~ 20.2	
6	Y		21.7 23.7	224	3.3	~~18.1~~ 19.1	
7	W		20.5 23.0	213	3.3	~~17.0~~ 18.0	
8	Y		18.7 21.6	195	3.3	~~15.2~~ 16.2	
9	W		17.1 18.5	175	3.2	~~13.3~~ 14.3	
10	R	947	15.5 16.5	158	3.2	~~11.6~~ 12.6	
11	Y		12.5 14.5	132	3.2	~~9.0~~ 10.0	
12	W		11.0 13.0	117	3.2	~~7.5~~ 8.5	
13	Y		9.5 11.0	100	3.2	~~5.8~~ 6.8	
14	W		10.8	85	3.2	~~4.3~~ 5.3	

Boat
288+65

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

ON THIS SHEET MUST BE 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	1006	50.5 52.0	51.0	3.1	47.9	Range line 292+65
2	Y		45.6 48.0	46.4	3.1	43.3	
3	W		41.1 42.0	41.4	3.1	38.3	
4	Y		36.0 37.6	36.5	3.1	33.4	
5	W		31.0 33.0	31.7	3.1	28.6	
6	R	1010	26.8 28.5	27.4	3.0	24.4	
7	Y		23.1 24.5	23.6	3.0	20.6	
8	W		21.3 22.8	21.8	3.0	18.8	
9	Y		19.7 21.1	20.2	3.0	17.2	
10	R	1013	18.1 19.2	18.5	3.0	15.5	
11	Y		15.9 17.4	16.4	3.0	13.4	
12	W		13.0 15.0	13.7	3.0	10.7	
13	Y		11.7 13.0	12.1	3.0	9.1	
14	W		10.0 11.0	10.3	3.0	7.3	
15	R	1019	7.7 9.6	8.3	3.0	5.3	
16	Y		6.0 8.0	6.7		3.7	

Boat 292+65

F.B. 1290 PG. 128

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

Survey of Beach Erosion - Redondo Date 10-29-47 Date Nov/47 No. X-Sec.

Survey by Hemeck Notes GOH-10-24-47 Notes Chkd. Checked No.

Indexed C. Johnson Date Date 10-29-47 Date

FORM 307 5M 1-46

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					From pg. 57	
292+65	193	2154		1961	N+T. in oil put. (on 20' offset to R.)	Range line ∠ = 76°01' F.S. on "S-16"
			23	19 24	21' R - Edge put - Edge rock fill	
			33	18 24	32' R - Brk on top rock fill	
			65	15 04	45' R - " " " "	
T.P.	000	954	120	954		
T.P.	40	554	80	154		
			69	-14	73' C - Top rock fill - water	
			96	-41	105' R - water	

Shore
292 + 65

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1240 PG. 129
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Meinrech Notes GWK Date 10-29-47
Date ____ Map No. ____ Date ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 58	
296+65				20 17	N+T. in strand walk	Range line ∡ = 86°37' F.S. on "S-17"
"	000	1613		16 13	10' R. on range line - Mark on rock.	
T.P.	277	730	1160	4 53	27' R. - Toe rock revetment.	These shots to R. of base line.
			57	[illegible]	52' R. - Beach	
			76	[illegible]	72' R. - Water	
			91	[illegible]	100' R. - "	
			108	[illegible]	119' R. - "	
			x	x x x		
296+65	58	2597		20 17	From above.	
			58	~~25 17~~ 20 17	6' R = Outside edge (W.) side strand walk (High board fence)	
			x x	x x x		
	641	2258 4		16 13	From above on 10' offset.	
			91	13 8	6' R of base line - On rock fill	

Shore 296+65

F.B. 1290 PG. 130

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

Survey of Beach Erosion-Redondo Date Date Nov/47 No. X-Sec.

Survey by Meineck Notes Chk. 10/29/47 Notes Chkd. Checked No.

Indexed C. Jeppe Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
POT. "B-1"	296 +65	1	R	713	18000	Range line 296+65
		2	Y		17950	" line ∡ at base line = 86°37"
See next page.	on base line = pt. "B"	3	W		17950	
		4	Y		18020	
		5	W		17935	
	See next page.	6	R	716	18000	
		7	Y		18025	
		8	W		18045	
		9	Y		18135	
		10	W		18110	
		11	R	719	18530	
		12	Y		18000	10' outside (W. side) of pier.
		13	W		0000	In center of pier (No cut in ∡)
		14	Y		0000	on inside of pier.
		15	W		0000	
		16	R	727	0000	
		17	Y		0000	
		18	W		0000	
		19	Y		0000	End.

Range 296+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-sec. ____ Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Heibert Notes G.W.K. Date 10-24-'47
Map No. ____ Indexed C. Johnson

F.B. 1290 Pg. 131

F.B. 1290 PG. 132

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

Survey of Beach Erosion - Redondo Date _____ Date Nov/47 No. _____

Survey by Kleineck Notes GWK - 10-24-47 Notes Chkd. _____ Checked _____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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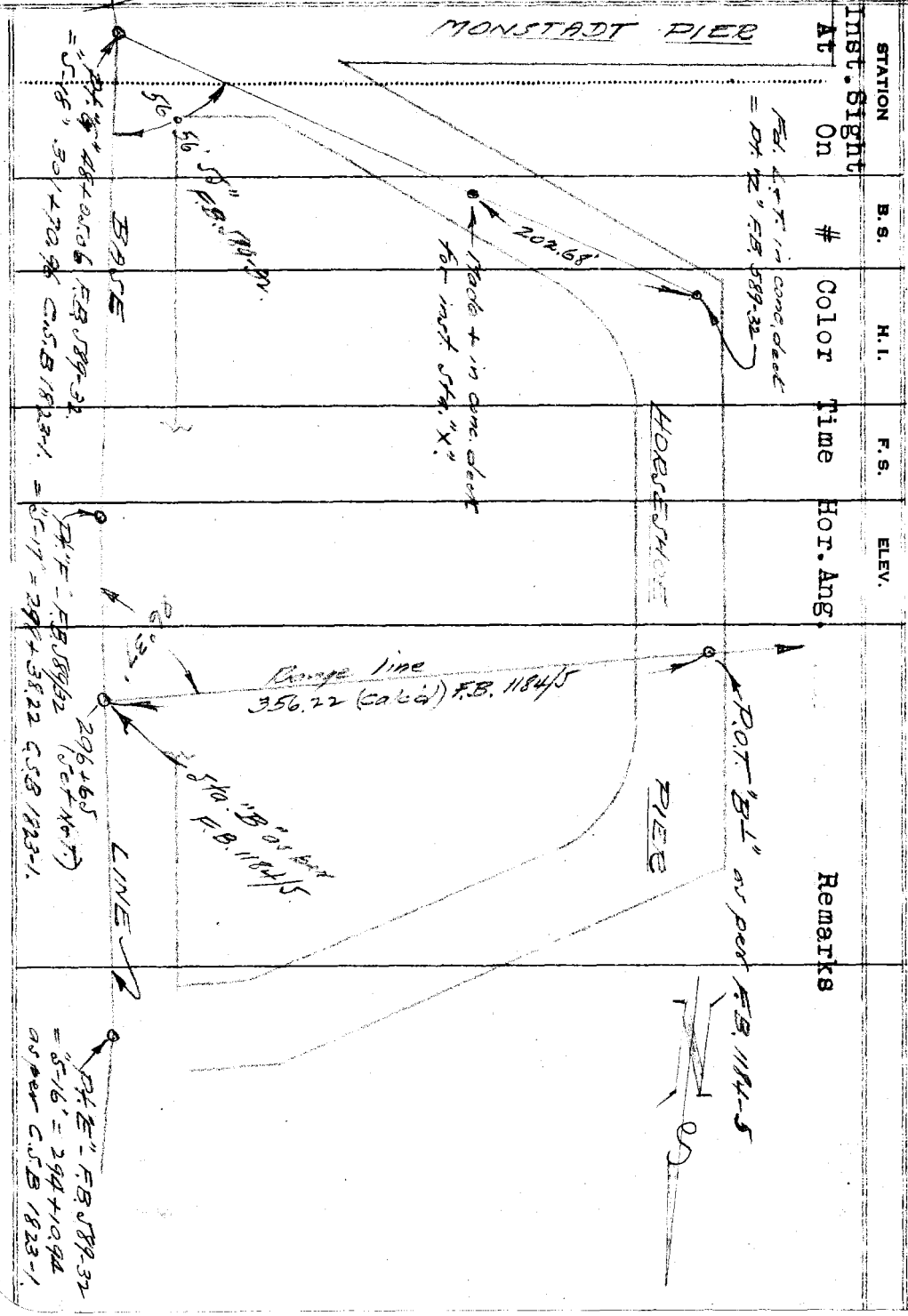
Do not extend notes this side of this line.

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



FORM 307 5M 1-46

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STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
					For range line 296+65, see next page.	

Profile Notes Red ____ Plotted H.U.M.H. Job No. 4812 Division No. ____ F.B. 1290 Pg. 133
No. ____ Date ____ Date 8/23/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Meineck Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson

FORM 307 5M 1-46

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700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
Pt.	S-18	1	R		16[illegible] 40	296+65 outside pier
"Z"		2	Y		17[illegible] 45	boat coming in
		3	W		17[illegible] 50	Inst. on pt. at S.W. cor. of pier
		4	Y		17[illegible] 30	
		5	W		179 30	
		6	R		18[illegible] 30	
		7	Y		18[illegible] 50	
		8	W		19[illegible] 50	
		9	Y		19[illegible] 45	
		10	W		20[illegible] 45	
		11	R		22[illegible] 30	
		12	Y			Under pier - See range line notes.
		13	W			
Pt. "X"	"Z"	14	Y		3[illegible] 45	
		15	W		41 30	
		16	R		4[illegible] 30	
		17	Y		5[illegible] 30	
		18	W		5[illegible] 30	
		19	Y		61 30	

See sketch pg.

Cut in 296+65

F.B. 1290 PG. 134

Job No. 4812 Division No. Notes Red. Plotted H U M H Profile

Survey of Beach erosion - Redondo Date Date Nov/47 No.

Survey by Kleineck Notes Nowacki 10-24-47 Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	7.12	50.3 / 51.5	507	4.6	4.6.1	Range line 296+65
2	Y		44.8 / 47.7	458	4.6	4.1.2	
3	W		39.0 / 40.0	393	4.6	34.7	
4	Y		35.1 / 36.3	355	4.6	30.9	
5	W		33.8 / 34.8	335	4.5	29.0	
6	R	8.15	30.0 / 31.1	304	4.5	25.9	
7	Y		27.0 / 28.8	276	4.5	23.1	
8	W		25.0 / 26.7	256	4.5	21.1	
9	Y		22.8 / 25.7	238	4.5	19.3	
10	W		20.5 / 23.6	215	4.5	17.0	
11	R	7.19	19.1 / 21.5	199	4.5	154	
12	Y		18.1 / 20.0	187	4.5	142	10' out from W. edge of pier
13	W		15.1 / 16.5	156	4.5	111	under pier - in middle of.
14	Y		15.1 / 16.5	156	4.5	111	
15	W		13.8 / 15.1	142	4.4	9.8	
16	R	7.27	12.9 / 14.0	133	4.4	8.9	
17	Y		11.4 / 12.5	116	4.4	7.2	
18	W		10.0 / 12.5	108	4.4	6.4	
19	Y		9.0 / 11.0	97	4.4	5.3	
~~20~~	~~W~~						

Boat
296+65

Profile
No. _____ Notes Red Lww Plotted H.U.M.H. Job No. 847K Division No. _____ F.B. 1290 Pg. 135
X-Sec. _____ Date 10-24-47 Date Nov/47 Survey of Beach Erosion - Redondo
No. _____ Notes Chkd. XE Checked _____ Survey by Hewick Notes HGK Date 10/24/47
Date 10-24-47 Date _____ Map No. _____ Indexed C. J. Johnson

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	7.54	28.0				LINE 280+65
			30.9				
2	Y		27.4				
			29.1				
3	W		25.8				
			29.8				
4	Y		24.7				
			27.1				
5	W		23.7				
			25.6				
6	R	8.05	22.5				
			25.0				
7	Y		21.8				
			23.8				
8	W		19.8				
			22.7				
9	Y		18.0				
			20.2				
10	W		16.0				
			19.0				
11	R	8.12	13.6				
			16.5				
12	Y		11.5				
			14.0				
13	W		10.5				
			12.5				
14	Y						
15	W						
16	R						
17	Y						
18	W						
19	Y						
20	W						

Copied to another sheet
GMK

F.B. 1290 PG. 136

Job No. 8412 Division No. ____ Notes Red. ____ Plotted H. U. M. H. Profile
Survey of ____ Date ____ Date 7/20/49 No. ____
Survey by ____ Notes ____ Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
301+87.18					15' (N.) up coast from ℄ of Groin #1.	
	184	1372		1188	+ in rock at Sta. 302+02.67 - ℄ of groin.	
			41	96	2x2 stk flush at Sta. - beach.	
			33	104	10' L - Beach	
			14	123	26' L - "	
			14	123	46' L - "	
			11	126	57' L - "	
			22	115	69' L - "	
			19	118	90' L - " at bot. Stairs	
			80	57	27' R - "	
			118	19	53' R - "	
T.P.	508	728	1152	220		
			92	-19	108' R - Water	
			104	-31	140' R - "	
			118	-45	164' R - "	End.

Shore
301+87.18
N/S Groin #1

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 7/28/47 Survey of Beach Erosion - Redondo
No. ____ Notes Chkd. ____ Checked [illegible] Survey by Klemmer Notes Gwk. Date 10-14-'47
Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

F.B. 1290 Pg. 137

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
302+02.67	184	1372		1188	← From pg. 59. + on rock – ℄ of Grain #1.	
			11	126	22' L – Beach	
			07	13.0	45' L – "	
			10	12.7	61' L – "	
			20	11.7	70' L – "	
			17	12.5	86' L – " Edge bldg.	
			20	11.7	14' R on grain – (rock)	
			39	9.8	34' R " " – "	
			45	9.2	47' R " " – "	
			60	7.7	66' R " " – "	
			63	7.4	85' R " " – "	
			103	3.4	122' R Top " at seaward end	
T.P.	508	728	1152	220		
			93	-2.0	134' R – Ocean floor – end of grain	
			104	-3.1	152' R – " "	
			118	-4.5	171' R – " " – End.	

Range line ∡ = 104°27'
F.S. on [illegible]

Shore
302+02.67
℄ of Grain #1.

F.B. 1290 PG. 138

Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion – Redondo Date Date Nov/47 No.
Survey by Hemeck Notes GWK 10-14-47 Notes Chkd. Checked [illegible] X-Sec.
Indexed A. E. Johnson Date Date Date No.

FORM 307 10M 10-46

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LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
302+18.16					15'(5) Down Coast from ℄ of Groin #1	
	184	13 72		11 88	+ in rock at Sta. 302+02.67 - ℄ of groin	
			35	10 2	2x2 Stk, flush at Sta. - Beach	
			26	11 1	15' L - Beach	
			14	12 3	45' L - "	
			15	12.2	61' L - "	
			13	12.4	82' L - " . Edge bldg.	
			55	8.2	22' R - Beach	
			85	5.2	46' R - "	
			46	2.1	68' R - "	
T.P.	508	7 28	11 52	2 20		
			73	0.0	93' R - water.	
			90	-1.7	131' R - "	
			113	-4.0	167' R - "	
			124	-5.1	178' R - "	End.

Range line ∡ = 104°27'
Fr. on "5-19" 5/5 Groin #1

Shore
302+18.16

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 8/05/47 Job No. 2117 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Beach Erosion - Redondo
Survey by Klemeck Notes Gwk Date 10-14-47
Map No. ____ Date ____ Indexed C. Johnson

F.B. 1290 PG. 139

F.B. 1290 PG. 140

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

Survey of Regional Erosion - Redondo Date _____ Date Nov. 47 No. _____

Survey by Howard Notes _____ Notes Chkd. _____ Checked _____

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

Profile

X-Sec.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
302	5.19	1	R	7 02	104 45	Range line ∠ = 104°27'	
+18.16		2	Y		104 10		Coming in
		3	W		104 00		
		4	Y		103 00		
		5	W		104 05		
		6	R	7 15	107 05		
		7	Y		103 50		
		8	W		103 50		
		9	Y		104 05		
		10	W		104 25		
		11	R	7 20	103 40		
		12	Y		104 30		
		13	W		104 00		
		14	Y		104 00		
		15	W		104 00		
		16	R	7 15	104 25		
		17	Y		105 20		
		18	W		105 55		
		19	Y		104 50		

South side grain #1
15' offset from ℄ of grain

Range
302 + 18.16
S/S Grain #1.

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date 1/20/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Merrick Notes J. Moore Date 10-16-'47
Date ____ Map No. ____ Indexed ____ C. Johnson

F.B. 1290 PG. 141

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
302+65	5-19	1	R	7 38	95 20	Coming In
		2	Y		95 40	Range line ∡ = 95-00-30.
		3	W		96 15	F.S. on "5-19"
		4	Y		95 45	
		5	W		95 25	
		6	R	7 44	95 40	
		7	Y		95 40	
		8	W		96 00	
		9	Y		95 50	
		10	W		95 40	
		11	R	7 48	95 40	
		12	Y		95 20	
		13	W		95 00	
		14	Y		95 25	
		15	W		94 50	
		16	R	7 51	95 15	
		17	Y		95 05	

Range 302+65

F.B. 1290 PG. 142 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date Nov/47 No. X-Sec.
Survey by Hleinock Notes Moore - 10-16-47 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

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
312 + 01.58	S-21	1	R		134°40'	Range line 302+18.16 {So. side Grain #1.	
"5-20"		2	Y		135 40	(Coming in)	
		3	W		136 15		
		4	Y		135 55		
		5	W		138 00		
		6	R		138 30		
		7	Y		139 05		
		8	W		139 30		
		9	Y		141 25		
		10	W		142 10		
		11	R		143 30		
		12	Y		145 10		
		13	W		146 00		
		14	Y		147 40		
		15	W		149 05		
		16	R		151 35		
		17	Y		153 30		
		18	W		155 55		
		19	Y		157 20		

Cut in
302 + 18.16
S/S of Grain #1

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8426 Division No. ____ F.B. 1240 PG. 143
No. ____ Date ____ Date Nov/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Klemmer Notes Nowacki Date 10-16-47
No. ____ Date ____ Date ____ Map 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.

F.B. 1290 PG. 144 Job No 8412 Division No Beach erosion - Redondo Notes Red Date Plotted H.U.M.H. Date 11/17/47
Survey of Beach erosion - Redondo Notes Date Profile No
Survey by Kleineck Notes Nowacki 10/16 Notes Chkd Checked X-Sec. No
Indexed C. Johnson Date Date Date

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-20	S-21	1	R		131 05	Range Line 302 + 65	
		2	Y		132 45		
		3	W		133 25		
		4	Y		135 00		
		5	W		136 50		
		6	R		137 00		
		7	Y		137 55		
		8	W		139 20		
		9	Y		141 35		
		10	W		143 05		
		11	R		145 25		
		12	Y		147 35		
		13	W		150 25		
		14	Y		152 35		
		15	W		154 10		
		16	R		155 20		
		17	Y		157 15		
Cut in 302 + 65							

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S. -	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	7.03	56.8	572	42	53.0	Range line 302+18.16
2	Y		58.1	546	42	50.4	
3	W		53.9	527	42	48.5	
4	Y		56.0	519	43	47.6	
5	W		53.2	480	43	43.7	
6	R	7.15	51.2	456	44	41.2	
7	Y		53.2	437	44	39.3	
8	W		47.8	415	44	37.1	?
9	Y		48.5	276	44	23.2	
10	W		45.2	258	44	21.4	
11	R	7.21	46.3	225	45	18.0	
12	Y		43.5	205	45	16.0	
13	W		44.2	192	45	14.7	
14	Y		41.2	174	45	12.9	
15	W		42.2	159	45	11.4	
16	R	7.26	27.2	143	46	9.7	
17	Y		28.5	124	46	7.8	
18	W		25.5	104	46	5.8	
19	Y		26.4	84	46	3.8	
~~20~~	~~W~~		22.2				

Boat.
302+18.16
5/5 of Groin #1.

Profile
No. ____ Notes Red Towed Plotted H.U.M.H. Job No. 8442 Division No. ____
Date 10-28-47 Date Nov/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Klemeck Notes Klemeck Date 10-16-47
No. ____ Date 10-29-47 Date ____ Map No. ____ Indexed ____ Date ____

F.B. 129 PG. 145

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	7.40	56.0	563	4.9	51.4	302 + 65
2	Y		57.0	545	4.9	49.6	
3	W		54.2	516	4.9	46.7	
4	Y		55.1	480	4.9	431	
5	W		51.0	405	4.9	356	
6	R	7.45	52.7	341	5.0	29.1	
7	Y		47.7	309	5.0	25.9	
8	W		48.5	266	5.0	21.6	
9	Y		40.0	229	5.0	17.9	
10	W		41.5	204	5.0	15.4	
11	R	7.49	33.6	185	5.0	13.5	
12	Y		35.1	165	5.0	11.5	
13	W		30.5	144	5.0	9.4	
14	Y		31.6	127	5.0	7.7	
15	W		26.1	111	5.0	6.1	
16	R	7.52	27.6	96	5.0	4.6	
17	Y		22.7	82	5.0	3.2	
~~18~~	~~W~~		23.2				
~~19~~	~~Y~~		20.0				
~~20~~	~~W~~		21.2				

Boat 302 + 65

F.B. 1290 PG. 146

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

Survey of Beach Erosion - Redondo Date 10-28-47 Date Nov/47 No. X-Sec.

Survey by Maneck Notes Greenacre - 10-16-47 Notes Chkd. [illegible] Checked No.

Indexed A. C. Johnson Date Date 10-29-47 Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
302+65	195	1265		107	from pg. 59 2x2 stk. flush with beach	
			11	115	20' L - Beach	
			02	124	48' L - "	
			+02	128	69' L - " Edge bldg.	
			34	92	23' R - Beach	
			56	70	44' R - "	
			88	38	68' R - "	
TP	591	676	980	285	(1x1 76' out)	
			88	-20	156' R - water	
			109	-41	183' R - "	
			173	-55	198' R - "	

Range line ∡ 95°00'30"
F.S. on "S-19"

Shore
302+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. Gun Division No. ____
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Fleischer Notes GWH Date 10-14-'47
Map No. ____ Indexed C. C. Job Date

F.B. 129 PG. 147

FORM 307 10M 10-46

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700 HALL OF RECORDS

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STATION	B. S.	H. I.	F. S.	ELEV.		
306+65	023	2122		20.99	From pg. 58 N. + T. in put. ~~N. + T. in put.~~	
			04	[illegible]	6.6' R - Edge of put.	
			22	[illegible]	11' R - Brk	
			60	[illegible]	17' R - "	
			82	[illegible]	25' R - "	
			92	[illegible]	36' R - Beach	
			90	[illegible]	54' R - "	
T.P.	[illegible]	1204	939	[illegible]	76' R - "	(1x1 Stk)
			32	[illegible]	94' R - "	10-14-47
			60	60	117' R - "	
			92	[illegible]	140' R - "	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
			[illegible]	-15	[illegible]	
			100	-34	[illegible]	
			[illegible]	-47	[illegible]	
			127	-56	[illegible]	

Range line ∡ = 90° F.S. on 5-20'

Shore 306+65

F.B. 1290 PG. 148

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

Survey of Beach Erosion - Redondo Date Date 7/10/47 No. X-Sec.

Survey by Fleisch Notes GWK 10-10-47 Notes Chkd. Checked

Indexed C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
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700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
306+65	5-20	1	R	8 02	89 50	Coming in	
		2	Y		89 40	Range line ∡ = 90°	
		3	W		89 10		
		4	Y		89 30		
		5	W		89 20		
		6	R	8 09	89 20		
		7	Y		89 15		
		8	W		89 15		
		9	Y		88 55		
		10	W		89 25		
		11	R	8 14	89 45		
		12	Y		89 40		
		13	W		89 30		
		14	Y		89 40		
		15	W		89 30		
		16	R	8 18	89 20		
		17	Y		88 30		
		18	W		90 00		
		19	Y		90 00		

Range
306+65

Profile
No. ____ Date ____ Plotted H. U. M. H. Job No. 8417 Division No. ____ F.B. 1240 Pg. 149
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Notes Chkd: ____ Checked ____ Survey by Kleineck Notes J. Moore Date 10-16-47
Date ____ Date ____ Map No. ____ Indexed C. Job Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
308+65	5-20	1	R	8 42	89 55	Coming In
		2	Y		89 20	Range line ∡ = 90°
		3	W		89 40	
		4	Y		9[illegible] 00	
		5	W		89 30	
		6	R	8 46	89 20	
		7	Y		89 [illegible]5	
		8	W		89 [illegible]5	
		9	Y		89 25	
		10	W		89 [illegible]0	
		11	R	8 50	89 45	
		12	Y		89 25	
		13	W		89 40	
		14	Y		90 50	
		15	W		90 20	
		16	R	8 54	90 40	
		17	Y		90 20	
		18	W		91 05	

Range 308+65

F.B. 1290 PG. 150 Job No. 8412 Division No. Notes Red. Plotted HUMH Profile
Survey of Beach Erosion - Redondo Date Date Nov 47 No. X-Sec.
Survey by Meineck Notes Moore - 10-16-47 Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
315 +25	S-21	1	R		135 15	Range Line 306 +65	
		2	Y		136 15		
		3	W		136 50		
		4	Y		138 55		
		5	W		139 05		
		6	R		140 15		
		7	Y		140 25		
		8	W		141 20		
		9	Y		142 25		
		10	W		143 10		
		11	R		144 50		
		12	Y		146 05		
		13	W		147 30		
		14	Y		149 40		
		15	W		152 35		
		16	R		154 55		
		17	Y		156 55		
		18	W		159 15		
		19	Y		160 50		

Cut in 306+65

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 129 PG. 157
No. ____ Date ____ Date Nov/47 Survey of Beach erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nowacki Date 10-16-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
302 +65	S-19	1	R		66 35	Range Line 308+65	
		2	Y		64 45	(Coming in)	
		3	W		62 50		
		4	Y		61 15		
		5	W		59 00		
		6	R		57 10		
		7	Y		56 30		
		8	W		55 35		
		9	Y		54 20		
		10	W		52 50		
		11	R		51 55		
		12	Y		49 50		
		13	W		47 45		
		14	Y		44 35		
		15	W		41 45		
		16	R		38 30		
		17	Y		35 40		
		18	W		33 05		

Cut in 308+65

F.B. 129 PG. 152

Job No. 4812 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach erosion - Redondo Date Date Nov/47 No. X-Sec.

Survey by Kleineck Notes Nowacki 10/16 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

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Do not extend notes this side of this line.

STATION		B. S. -	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	8.04	53.9 54.7	542	5.2	49.0	306+65
2	Y		50.9 52.3	514	52	46.2	
3	W		49.5 51.2	501	52	44.9	
4	Y		46.7 47.3	465	52	41.3	
5	W		43.6 45.2	441	52	38.9	
6	R	8.11	39.7 41.0	401	5.3	34.8	
7	Y		37.9 38.3	380	53	32.7	
8	W		35.0 36.1	354	53	30.1	
9	Y		32.0 33.0	323	53	27.0	
10	W		29.8 31.0	302	53	24.9	
11	R	8.15	27.0 27.8	273	5.4	21.9	
12	Y		24.8 25.3	250	54	19.6	
13	W		23.0 24.0	233	54	17.9	
14	Y		20.5 21.7	209	54	15.5	
15	W		18.0 18.8	183	54	12.9	
16	R	8.20	16.2 17.0	165	5.4	11.1	
17	Y		14.3 15.1	146	54	9.2	
18	W		12.1 13.0	124	54	7.0	
19	Y		9.1 11.2	98	54	4.4	
~~20~~	~~W~~						

Boat
306+65

Profile
No. ____ Notes Red. EMW Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 PG. 153
Date 10-28-47 Date Oct/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. [illegible] Checked ____ Survey by Moineck Notes Moineck Date 10-16-47
No. ____ Date 10-29-47 Date ____ Map No. ____ Indexed A. C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

F.B. 290 Pg. 52 | Job No. 547 Division No. Eaton Canyon - Pasadena | Profile
Survey of Eaton Canyon Notes Red. Final No.
Survey by Harper & Alexander Notes Chkd. 10-28-47 Date Checked Bosley No.
Indexed A. C. Johnson Date Notes Chkd. 10-16-47 Date 10-24-47 Date X-Sec. No.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	8.43	5.5	559	56	50.3	308+65
2	Y		5.7	527	56	47.1	
3	W		5.3	486	56	43.0	
4	Y		4.8	446	56	39.0	
5	W		4.5	373	56	31.7	
6	R	8.47	3.8	316	57	25.1	
7	Y		3.5	283	57	22.6	
8	W		3.2	255	57	19.8	
9	Y		3.0	235	57	17.8	
10	W		2.5	218	57	16.1	
11	R	8.51	2.5	205	57	14.8	
12	Y		2.0	184	57	12.7	
13	W		1.8	168	57	11.1	
14	Y		1.6	151	57	9.4	
15	W		1.4	135	57	7.8	
16	R	8.55	1.2	115	57	5.7	
17	Y		1.1	095	58	3.7	
18	W		1.0	79	58	2.1	
19	Y						
20	W						

Boot
308+65

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
308+65	041	1947		1906	From pg. 58. N + T. in pav.	
			0.59	1888	8.1' R Top Stairs (Road grade) approx.	
			640	131	17.1' R. Bot. "	
			76	119	32' R Beach.	
			82	113	46' R "	
			86	109	55' R "	
T.P.	[illegible]	10[illegible]	865	1082	77' R " (1x1 stk)	
			29	74	[illegible] R "	10-[illegible]
T.P.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] R "	
			[illegible]	04	[illegible] R [illegible]	
			[illegible]	-38	[illegible] R "	
			[illegible]	-56	[illegible] R "	

Range line 4 = 90°
F.S. on 5.20'

Shore
308+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8417 Division No. ____
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Mlemeck Notes Bjalk Date 10-10-'47
Date ____ Map No. ____ Indexed A. C. Jaeger

F.B. 1290 Pg. 155

F.B. 1290 PG. 156 | Job No. 8017 Division No. | Notes Red. | Plotted H. U. M. H. | Profile

Survey of Beach Erosion - Redondo | Date | Date Nov 1947 | No.

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

Indexed A. C. Johnson Date | Date | Date | No.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
310+65	1 18	1935		1817	pg. 58 N+T in pav.	
			131	[illegible]	6.0 R Edge Rdway.	
			27	[illegible]	10' R. Brk	
			49	145	13' R "	
			69	[illegible]	20' R " - Edge beach.	
			78	116	31' R Beach.	
			81	[illegible]	50' R " [illegible]	
~~FP.~~			~~799~~	~~1136~~	~~69' R " 1x1 STK~~	
[illegible]	2 10	[illegible]		[illegible]		10-14-47
			91	112	[illegible] R Beach	
FP.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] R "	
			[illegible]	52	[illegible] R "	
			[illegible]	23	[illegible] R "	
			[illegible]	-12	[illegible] R [illegible]	
			[illegible]	-20	210 R "	
			129	-38	[illegible] R "	
			146	-55	[illegible] R "	

Range line ∡ = 90

Shore
310+65

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8447 Division No. ____
X-Sec. Date 10/10/47 Survey of Beach Erosion - Redondo
No. ____ Notes Chkd. ____ Checked ____ Survey by Kleinack Notes Gulk Date 10-10-47
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1290 PG. 157

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
312+65	034	1766		1732	From pg. 58. N.&T. in pav.	
			042	[illegible]	7.6' R. Edge pvt	
			22	[illegible]	14' R. - Brk. - Top wall	
			60	[illegible]	15' R. - Bot. wall	
			59		45' R - Beach (Cont'd below)	
~~TP~~			~~607~~	~~[illegible]~~	~~91' R - " - (1x1 stk)~~	
			*	*	*	
312+65	021	1753		1732		10-14-47
			58	[illegible]	59' R - Beach	
			04	[illegible]	95' R - "	
[illegible]	098	693	1158	[illegible]	(1x1 105' out)	
			46	[illegible]	125' R - Beach	
			[illegible]	[illegible]	175' R - Water	
			100	-31	205' R - "	
			122	-[illegible]	238' R - "	

Shore
312+65

F.B. 1290 PG. 158
Job No. 842 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date Nov/47 No. X-Sec.
Survey by Kleinecke Notes Gwt 10-10-47 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	
310+65	5-20	1	R	9 12	89 20	Coming In	
		2	Y		88 30	Range line ∡ = 90°	
		3	W		89 45		
		4	Y		89 25		
		5	W		88 55		
		6	R	9 16	88 40		
		7	Y		89 40		
		8	W		90 10		
		9	Y		90 00		
		10	W		89 40		
		11	R	9 19	90 05		
		12	Y		90 20		
		13	W		90 10		
		14	Y		90 50		
		15	W		90 30		
		16	R	9 23	90 25		
		17	Y		89 50		
		18	W		90 10		

Range 310+65

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 159
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of Beach Erosion - Redondo
Date ____ Survey by Hemeck Notes Moore Date 10-16-'47
Map No. ____ Indexed A. C. Johnson

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
312+65	5-21	1	R	9 40	85 05	Coming In
		2	Y		84 55	Range line ∡ = 85°52'
		3	W		85 00	F.S. on "5-21"
		4	Y		85 30	
		5	W		85 30	
		6	R	9 45	85 50	
		7	Y		86 10	
		8	W		86 20	
		9	Y		86 00	
		10	W		85 50	
		11	R	9 49	86 10	
		12	Y		86 35	
		13	W		86 45	
		14	Y		86 [illegible]	
		15	W		[illegible]	
		16	R	9 51	86 [illegible]	
		17	Y		[illegible]	
		18	W		87 20	

Range 312+65

F.B. 1290 PG. 160 Job No. 842 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date 10/5/42 No. X-Sec.
Survey by Wleineck Notes Moore - 10-16-42 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	
302 +65	S-19	1	R		5445	Range Line 310+65	
		2	Y		5335		
		3	W		5240		
		4	Y		5210		
		5	W		5120		
		6	R		5020		
		7	Y		5010		
		8	W		4855		
		9	Y		4750		
		10	W		4640		
		11	R		4545		
		12	Y		4350		
		13	W		4130		
		14	Y		4000		
		15	W		3615		
		16	R		3410		
		17	Y		3300		
		18	W		3115		

Cut in 310+65

Profile
No. X-Sec.
Notes Red. Plotted H.U.M.H. Job No. 4812 Division No.
Date Date Nov/47 Survey of Beach erosion - Redondo
Notes Chkd. Checked Survey by Kleineck Notes Nowacki Date 10-16-47
No. Date Date Map No. Indexed A. C. Johnson

F.B. 1240 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
302 +65	S-19	1	R		51 55	Range Line 312 + 65
		2	Y		50 40	
		3	W		50 10	
		4	Y		49 50	
		5	W		49 00	
		6	R		48 00	
		7	Y		46 45	
		8	W		45 50	
		9	Y		44 30	
		10	W		42 55	
		11	R		41 10	
		12	Y		40 00	
		13	W		38 35	
		14	Y		36 45	
		15	W		34 55	
		16	R		33 10	
		17	Y		31 50	
		18	W		30 25	

Cut in 312 + 65

F.B. 1290 PG. 162

Job No. 4812 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach Erosion - Redondo Date Date 8/25/47 No. X-Sec.

Survey by Kleineck Notes Nowacki 10/16 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	9.14	57.5 / 58.8	580	5.9	52.1	310+65
2	Y		54.0 / 55.1	544	59	48.5	
3	W		49.5 / 50.5	498	59	43.9	
4	Y		45.7 / 47.1	462	59	40.3	
5	W		40.5 / 41.7	409	59	35.0	
6	R	9.18	31.7 / 32.8	321	5.9	26.2	
7	Y		29.5 / 30.8	299	59	24.0	
8	W		26.5 / 27.2	267	59	20.8	
9	Y		24.3 / 25.3	246	59	18.7	
10	W		22.0 / 23.6	225	59	16.6	
11	R	9.21	20.5 / 22.0	210	5.9	15.1	
12	Y		18.5 / 19.7	189	59	13.0	
13	W		16.4 / 19.2	167	59	10.8	
14	Y		14.8 / 16.5	154	59	9.5	
15	W		12.8 / 14.7	134	59	7.5	
16	R	9.24	11.0 / 12.1	114	~~5.9~~ 60	5.4	
17	Y		9.8 / 11.0	102	60	4.2	
18	W		8.8 / 9.5	90	60	3.0	
~~19~~	~~Y~~						
~~20~~	~~W~~						

Boat
310+65

Profile
No. ____ Notes Red E.W.W. Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 163
Date 10-28-47 Date Oct/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. [illegible] Checked ____ Survey by Blaine & Notes H.G.K. Date 10-16-47
No. ____ Date 10-29-47 Date ____ Map 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.

F.B. 39 PG. 164 | Job No. 3417 Division No. | Notes-Red | Plotted H.U.M.H. | Profile No.
Survey of Beach Erosion - Redondo | Date 10-24-47 | Date Boat 47 | X-Sec. No.
Survey by Warner & Notes Chkd. 10-24-47 | Checked | Date
Indexed C. Johnson Date | Date 10-24-47 | Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	9.41	56.0	56.4	6.0 ✓	50.4	312+65
2	Y		55.6	54.4	6.0	48.4	
3	W		55.2	52.2	6.0	46.2	
4	Y		53.5	49.2	6.0	43.2	
5	W		49.8	45.9	6.0	39.9	
6	R	9.47	44.1	41.4	6.0 ✓	35.4	
7	Y		42.8	33.1	6.0	27.1	
8	W		39.9	29.2	6.0	23.2	
9	Y		35.1	25.4	6.0	19.4	
10	W		33.8	23.0	6.0	17.0	
11	R	9.50	20.4	20.9	6.0 ✓	14.9	
12	Y		18.8	19.2	6.0	13.2	
13	W		17.0	17.4	6.0	11.4	
14	Y		15.1	15.6	6.0	9.6	
15	W		13.5	13.5	6.0	7.5	
16	R	9.53	13.3	12.4	6.0 ✓	6.4	Boat 312+65
17	Y		12.0	10.6	6.0	4.6	
18	W		11.2	9.3	6.0	3.3	
19	Y		10.0				
20	W						

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
315+10					From pg. 57 15' (N.) Up Coast from ℄ of Grain #2	
	136	1887		1751	N.T. in pvt. at Sta. 315+25 - ℄ of grain	
			141	1746	Point at Sta. on pvt.	
			153	1734	95'R - Edge pvt.	
			15	1744	14'R - Brk - Top bank	
			60	12.9	22'R - " - Toe "	
			65	12.4	48'R - Beach	
			60	12.9	67'R - "	
			~~64~~	~~120~~	~~87'R~~ - " (out)	
T.P.	036	1194	729	1158		
			+06	12.10	81'R - Beach	
			14	10.5	84'R - "	
			47	7.2	103'R - "	
			80	3.9	128'R - "	
T.P.	457	706	945	249		
			75	-04	163'R - water	
			101	-30	195'R - "	
			124	-53	257'R - " - End.	

Range line ∡ = 40°

Shore 315+10 N/S Grain #2

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 165
No. ____ Date ____ Date 1/20/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Hemack Notes GWK Date 10-10-47
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
315+25	136	1[illegible]7		1[illegible]	[illegible] Form pg. 55 [illegible] T. in pvt. - ℄ of Groin #2	
			150	[illegible]	93' R - Edge pvt.	
			59	[illegible]	23' R - Brk - Toe bank	
			61	[illegible]	49' R - Beach	
			64	[illegible]	77' R - "	
T.P.	036	1194	729	1158	92' R On groin (1x1)	
			09	110	106' R - " "	10-15-'47
			24	95	123' R - " "	
			44	75	141' R - " "	
			54	65	157' R - " "	
			73	46	193' R - " "	
			85	34	186' R - " " - Brk at end	
T.P.	457	706	945	249		
			88	-17	199' R - End of groin - Ocean floor	
			118	-47	249' R - water	
			137	-66	2[illegible]' R - " - End	

Range line ∠ = 90°

Shore
315+25
℄ of Groin #2

F.B. 1290 PG. 166

Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date 11/20/47 No.
Survey by Meinecke Notes GWK 10-10-'47 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
315+40					From pg. 58 15'(5.) Down Coast from ℄ of Groin #2	
	136	1887		1751	N+T. in pvt. at Sta. 315+25 - ℄ of groin	
			127	1760	Point at Sta. on pvt	
			151	1736	9.1'R - Edge pvt	
			12	177	12'R - Brk. - Top bank	
			59	130	23'R - " - Toe Sl.	
			60	124	51'R - Beach.	
			65	124	70'R - "	
			~~77~~		~~90'R - "~~	
T.P.	036	1124	729	1158		10-15-47
			06	113	86'R - Beach	
			19	100	92'R - "	
			61	58	124'R - "	
			94	25	149'R - "	
T.P.	457	706	945	249		
			84	-13	199'R - water.	
			122	-51	252'R - " - End.	

Range line ∠ = 90°

Shore 315+40 S/S of Groin #2

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1240 PG. 167
No. ____ Date ____ Date Nov/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Hlemeck Notes GWK Date 10-10-47
No. ____ Date ____ Date ____ Map No. ____ Indexed P. C. Job Date

F.B. 1290 PG. 168

Job No. 8426 Division No. _____ Notes Red. _____ Plotted _____ H. U. M. H. Profile

Survey of Beach Erosion - Dockweiler Date _____ Date _____ No. _____

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

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

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
315+40	5-21	1	R	10 10	88 25	Range ∡ 90° Coming In
		2	Y		87 55	South Side of Drain.
		3	W		89 00	
		4	Y		89 00	
		5	W		89 55	
		6	R	10 16	89 25	
		7	Y		90 00	
		8	W		89 40	
		9	Y		89 15	
		10	W		89 50	
		11	R	10 21	89 50	
		12	Y		89 20	
		13	W		89 50	
		14	Y		88 30	
		15	W		89 40	

15' offset to South of ℄ of Drain #2

Range
315+40
S/S of Drain #2

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8417 Division No. ____
X-Sec. Notes Chkd ____ Date ____ Checked ____ Date 10/17/47 Survey of Bend Erosion - Redondo
No. ____ Date ____ Map No. ____ Survey by Warnock Notes S. Moore Date 10-16-47
Indexed A. C. Johnson

F.B. 1290 Pg. 169

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
317+00	5-21	1	R	10 46	85 15	Sanding In
		2	Y		84 10	Range line ∡ = 85°52'
		3	W		83 30	F.S. on "5.21"
		4	Y		85 20	
		5	W		85 20	
		6	R	10 47	84 35	
		7	Y		84 00	
		8	W		85 50	
		9	Y		85 40	
		10	W		85 05	
		11	R	10 50	84 30	
		12	Y		85 25	
		13	W		85 40	
		14	Y		86 10	
		15	W		86 00	
		16	R	10 53	86 40	
		17	Y		85 35	
		18	W		87 00	
		19	Y		87 00	

Range 317+00

F.B. 1240 PG. 170

Job No. 8412 Division No. Beach Erosion - Redondo Date Notes Red. Date Plotted H.U.M.H. Date 8/20/47 No. Profile

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

Survey by Heinert Notes Moore - 10-16-47 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		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
302 +65	S-19	1	R		4705	Range Line 315 +40	
		2	Y		4630		
		3	W		4550		
		4	Y		4500		
		5	W		4430		
		6	R		4350		
		7	Y		4255		
		8	W		4145		
		9	Y		4100		
		10	W		3900		
		11	R		3655		
		12	Y		3535		
		13	W		3435		
		14	Y		3325		
		15	W		3140		

Cut in
315 +40
5/5 of Grain #2.

Profile
No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H. Job No. 4812 Division No. ____
X-Sec. Date Nov/47 Survey of Beach erosion - Redondo
No. ____ Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nowacki Date 10-16-47
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1290 PG. 171

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
310 +65	S-20	1	R		51°20	Range Line 317 +00	
		2	Y		50 00		
		3	W		48 05		
		4	Y		49 35		
		5	W		48 35		
		6	R		47 05		
		7	Y		46 00		
		8	W		45 45		
		9	Y		44 30		
		10	W		42 55		
		11	R		41 55		
		12	Y		40 35		
		13	W		38 45		
		14	Y		36 25		
		15	W		33 45		
		16	R		30 50		
		17	Y		27 45		
		18	W		25 50		
		19	Y		22 55		

Cut in 317+00

F.B. 1290 PG. 172

Job No. 4812 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach erosion - Redondo Date Date Nov/47 No. X-Sec.

Survey by Kleineck Notes Nowacki 10/16 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	10.12	54.9 / 55.3	550	6.0	49.0	315+40
2	Y		49.0 / 50.3	494	6 0	43.4	
3	W		46.7 / 47.6	470	6 0	41.0	
4	Y		38.0 / 39.0	383	6 0	32.3	
5	W		34.2 / 35.8	347	6 0	28.7	
6	R	10.18	34.0 / 30.8	303	5.9	24.4	
7	Y		26.0 / 27.2	264	59	205	
8	W		23.5 / 24.2	237	59	17.8	
9	Y		21.6 / 22.2	218	59	15.9	
10	W		18.2 / 19.2	185	59	12.6	
11	R	10.22	15.9 / 16.9	162	5.9	10.3	
12	Y		14.0 / 14.9	143	59	8.4	
13	W		13.0 / 13.8	133	59	7.4	
14	Y		11.8 / 12.7	121	59	6.2	
15	W		9.5 / 10.1	97	59	3.8	
~~16~~	~~R~~						
~~17~~	~~Y~~						
~~18~~	~~W~~						
~~19~~	~~Y~~						
20	W						

Boat
315+40
5/5 of Grain #2.

Profile
No. ____ Date 10-24-47 Notes Red. Lowe Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Notes Chkd. MB Checked ____ Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date 10-29-47 Date ____ Survey by Kleinecke Notes H.G.K. Date 10-16-47
Map No. ____ Indexed C. Johnson

F.B. 24 No. 173

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./M.P.G. 174 Job No. 548 Division No. Profile
Survey of Marina Crossing - Redondo Notes Red. Plotted H.U.M.H. No.
Survey by Meadows Notes 48 Date 10-14-47 Notes Chkd. Date 10-24-47 Checked Date X-Sec. No.
Indexed by C. Johnson Date

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	10.44	55.0	553	5.7 ✓	49.6	317+00
2	Y		53.2	537	57	48.0	
3	W		50.8	507	57	45.0	
4	Y		47.1	474	57	41.7	
5	W		44.0	443	57	38.6	
6	R	10.49	40.5	394	5.7 ✓	33.7	
7	Y		35.0	354	57	29.7	
8	W		32.0	323	57	26.6	
9	Y		30.0	303	57	24.6	
10	W		28.0	283	57	22.6	
11	R	10.52	25.9	263	5.8 ✓	20.7	
12	Y		24.0	240	56	18.4	
13	W		21.8	217	56	16.1	
14	Y		19.0	194	56	13.8	
15	W		17.2	176	56	12.0	
16	R	10.55	15.1	155	5.6	9.9	
17	Y		13.2	136	56	8.0	Boat
18	W		11.9	112	56	5.6	317+00
19	Y		10.4	89	56	3.3 ✓	
20	~~Y~~						

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
317+00	114	1940		1826	pg. 58. N.T.T. in pvt.	
			127	1813	7.4' R. - Edge pvt.	
			17	1772	14' R - Brk	
			65	1292	23' R - " - beach	
			73	1212	54' R - beach	
			83	1112	72' R - "	(Cont'd below)
~~T.B.~~			~~888~~	~~052~~	~~99' R - "~~	~~(1x1 stk)~~
			*	*	*	
317+00	113	1939		1826		10-14-49
			84	1102	80' R - Beach	
T.P.	031	815	1135	784	109' R - "	
			47	3.5	147' R - "	
			77	-1.5	(2) 95' R - Water	(3)
			118	-36	228' R - "	
			132	-50	258' R - "	

Shore
317+00

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 5412 Division No. ____
X-Sec. Notes Chkd ____ Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date ____ Date ____ Survey by Wheineck Notes Qwk. Date 10-10-47
Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1290 Pg. 175

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
319+00	107	2013		1906	→ pg. 58 N & T in put	
			117	18[illegible]	7.2' R. – Edge put	
			13	18[illegible]	10.5' R – Brk	
			64	13[illegible]	18' R – " Toe Sl. – beach	
			72	12[illegible]	48' R – beach	(Cont'd below)
			~~89~~	~~[illegible]~~	~~97' R – "~~	
T.P.			~~847~~	~~1116~~	~~114' R – "~~	(1X1 STK)
		*	*	*		
319+00	110	2016		1906		10-15-'47
			87	115	95' R. – Beach	
			108	94	118' R – "	
TP	0.40	861	1195	[illegible]		
			26	60	14' R – "	
			54	3[illegible]	161' R – "	
			9[illegible]	–0[illegible]	302' R. Water	
			112	–2[illegible]	246' R – "	
			13[illegible]	–50	290' R. " – End	

Shore 319+00

F.B. 1290 PG. 176 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion – Redondo Date Date Nov/47 No. X-Sec.
Survey by Hancock Notes GWK -10-10-'47 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	
319+00	5-22	1	R	11 13	79 50	Coming In	
		2	Y		78 55	Range line ∡ = 79°00'	
		3	W		79 10	F.S. on "5-22"	
		4	Y		79 00		
		5	W		78 50		
		6	R	11 19	78 10		
		7	Y		77 35		
		~~8~~	~~W~~		~~78 30~~	Cut in ∡ missed	
		9	Y		78 30		
		10	W		79 10		
		11	R	11 23	79 25		
		12	Y		79 00		
		13	W		79 35		
		14	Y		79 [illegible]		
		15	W		79 50		
		16	R	11 20	79 30		
		17	Y				
		18	W				

Range 319+00

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 177
No. ____ Date ____ Date Nov/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd ____ Checked ____ Survey by Heineck Notes J. Poole Date 10-16-47
No. ____ Date ____ Date ____ Map 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
322+00	5-22	1	R	11 44	80 00	Coming In
		2	Y		79 30	Range line ∡ = 80°
		3	W		79 45	F.J. on "5-22",
		4	Y		79 50	
		5	W		80 00	
		6	R	11 49	79 45	
		7	Y		79 45	
		8	W		79 50	
		9	Y		80 30	
		10	W		80 35	
		11	R	11 53	80 10	
		12	Y		80 00	
		13	W		80 20	
		14	Y		80 20	
		15	W		80 35	
		16	R	11 56	80 40	
		17	Y		80 20	
		18	W		80 10	
		19	Y		80 15	

Range 322+00

F.B. 1290 PG. 178

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

Survey of Beatty Erosion - Redondo Date Date Nov/47 No. X-Sec.

Survey by Weineck Notes Moore 10-16-47 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	
310 +65	S-20	1	R		43 50	Range Line 319+00	
		2	Y		41 05		
		3	W		40 30		
		4	Y		40 10		
		5	W		39 00		
		6	R		38 10		
		7	Y		36 45		
		8	W			(Missed)	
		9	Y		34 10		
		10	W		32 55		
		11	R		31 30		
		12	Y		29 30		
		13	W		27 25		
		14	Y		25 15		
		15	W		23 10		
		16	R		21 35		

Cut in 319+00

Profile
No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 4812 Division No. ____ F.B. 1790 Pg. 179
X-Sec. ____ Date ____ Date Nov/47 Survey of Beach erosion - Redondo
No. ____ Notes Chkd ____ Checked ____ Survey by Kleineck Notes Nowacki Date 10-16-47
Date ____ Date ____ Map 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		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
310 +65	S-20	1	R		4210	Range Line 322+00
		2	Y		4135	
		3	W		4055	
		4	Y		4010	
		5	W		3935	
		6	R		3820	
		7	Y		3710	
		8	W		3605	
		9	Y		3445	
		10	W		3255	
		11	R		3140	
		12	Y		3010	
		13	W		2850	
		14	Y		2750	
		15	W		2605	
		16	R		2405	
		17	Y		2230	
		18	W		2030	
		19	Y		1905	

Cut in 322+00

F.B. 290 PG. 180

Job No. 4812 Division No. Notes Red. Plotted H. U. M. H. Profile

Survey of Beach erosion - Redondo Date Date 7/27/47 No. X-Sec.

Survey by Kleineck Notes Nowacki 10/16 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 IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
			Meas.		Ht.		
#	Color	Time	Depth	Bottom	Tide	Adj. Depth	Remarks
1	R	11.14	55.8	55.3	5.3	50.0	319+00
2	Y		52.8	52.3	53	47.0	
3	W		46.6	46.6	53	41.3	
4	Y		39.5	39.5	53	34.2	
5	W		34.2	34.2	53	28.9	
6	R	11.20	30.2	30.4	5.3	25.1	
7	Y		25.6	25.4	53	20.1	
8	W		27.5				Cut in & missed
9	Y		22.4	21.1	53	15.8	
10	W		19.3	19.3	53	14.0	
11	R	11.25	17.4	17.4	5.2	12.2	
12	Y		15.7	15.7	52	10.5	
13	W		13.9	13.9	52	8.7	
14	Y		12.1	12.1	52	6.9	
15	W		10.4	10.4	52	5.2	
16	R	11.28	8.4	8.4	5.2	3.2	
17	Y						
18	W						
19	Y						
20	W						

Boat
319+00

Profile
No.
X-Sec.
No.
Notes Red CWW Plotted H.U.M.H. Job No. 1412 Division No.
Date 12-17-47 Date Compiled Survey of Beach Erosion - Elevations
Notes Chkd. MRC Checked Survey by Brewer & Notes Date 12-18-47
Date 12-18-47 Date Map No. Indexed A. C. Johnson
F.B. 1290 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		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	11.45	55.7 / 56.7 / 50.8	560	48	~~52.~~ 151	322+00
2	Y		51.8	511	48	46.3	
3	W		44.1 / 45.1	444	48	39.6	
4	Y		38.0 / 39.1	384	48	33.6	
5	W		34.0 / 35.0	343	48	29.5	
6	R	11.50	30.9 / 31.8	312	48	26.4	
7	Y		28.5 / 29.3	288	48	24.0	
8	W		26.2 / 27.3	266	48	21.8	
9	Y		24.7 / 25.3	249	48	20.1	
10	W		22.1 / 23.2	225	48	17.7	
11	R	11.54	20.6 / 21.5	209	47	16.2	
12	Y		19.8 / 20.0	193	47	14.6	
13	W		17.1 / 18.0	174	47	12.7	
14	Y		16.2 / 17.2	165	47	11.8	
15	W		14.7 / 15.4	149	47	10.2	
16	R	11.57	12.8 / 13.8	131	46	8.5	
17	Y		11.2 / 12.2	115	46	6.9	
18	W		[illegible].5 / 10.0	97	46	5.1	
19	Y		7.5 / 8.4	78	45	3.3	
20	W						

Boat 322+00

F.B. 129 PG. 182

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

Survey of Beach Erosion - Redondo Date 10-28-47 Date Nov/47 No. X-Sec.

Survey by Hewitt Notes H&K-10-16-47 Notes Chkd. [illegible] Checked No.

Indexed C. Johnson Date Date 10-23-47 Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
322+00	091	2118		20 27	→ From pg. 59. N + T in pvt.	
			110	20 ~~10~~ 08	9.5' R. - Edge pvt.	
			11	20.~~10~~ 08	13' R - Brk - Top Sl.	
			88	12.4	24' R - " - Edge beach	
			94	11.8	64' R - beach	
			101	11.08	87' R - "	
T.P.	017	1686 ~~786~~	1049	10.69 ~~969~~	99' R - " (1X1 stk)	
			44	6 ~~5~~ 5	125' R - "	
			66	4 ~~5~~ 3	[illegible] C - "	
			79	3 ~~7~~ 0	[illegible] R - " "	
[illegible]	[illegible]	689 ~~[illegible]~~	[illegible]	3 ~~7~~ 04	Rock	
			81	-1 ~~1~~ 2	212' R - water	
			[illegible]	-2 ~~3~~ 6	[illegible] C - " "	
			120	5 ~~6~~ 1	[illegible] R - " - End.	

Shore
322+00

Profile
No. ____ Date ____ Notes Red ____ Plotted ~~H.U.M.H.~~ Job No. 8412 Division No. ____
X-Sec. Date Nov 47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Hlewieck Notes GWK Date 10-10-47
Date ____ Date ____ Map No. ____ Indexed ~~A.~~ C. Johnson Date ____

F.B. 1290 PG. 183

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
324+00	108	22[illegible]		20[illegible]	From pg. 59. N.T.T. in pvt.	
			119	20[illegible]	3.5' R - Edge Pvt	
			13	20[illegible]	6.5' R - Brk - Top St.	
			68	13[illegible]	14' R - "	
			94	12[illegible]	22' R - " - beach.	
			101	12[illegible]	56 R - beach	
			99	12[illegible]	82' R - "	(Cont'd below)
~~TP~~			~~1035~~	~~[illegible]~~	~~102' R - " (1x1 STR)~~	
			*	*	*	
324+00	100	21[illegible]		20[illegible]		10-15-47
			102	11[illegible]	[illegible]' R - Beach	
TP	0[illegible]	10[illegible]	11[illegible]	10[illegible]	[illegible]' R - "	
			3[illegible]	6[illegible]	121' R - "	
			5[illegible]	4[illegible]	138' R - "	
			7[illegible]	2[illegible]	153' R - "	
TP	3[illegible]	62[illegible]	6[illegible]	3[illegible]	[illegible]	
			7[illegible]	-11[illegible]	[illegible]' R - water	
			9[illegible]	-3[illegible]	[illegible]' R - "	
			1[illegible]	-4[illegible]	30[illegible]' R - " - End.	

Shore
324+00

F.B. 1290 PG. 184

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

Survey of Beach Erosion - Redondo Date Date 11/10/47 No. X-Sec.

Survey by Hiemack 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
324 +00	327 +00	1	R	703	9000	Range Line = 90°
		2	Y		8950	
		3	W		8940	
		4	Y		9025	
		5	W		9035	
		6	R	710	9030	
		7	Y		9020	
		8	W		9010	
		9	Y		9000	
		10	W		9015	
		11	R	714	9000	
		12	Y		9015	
		13	W		9000	
		14	Y		9015	
		15	W		8940	
		16	R	720	8940	
		17	Y		9000	
		18	W		8935	
		19	X		8945	
		20	W		9000	

Range
324+00

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date Sept/47 Job No. 8412 Division No. ____ Survey of Beach Erosion - Redondo
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey by Klaneck Notes GWK Date 10-20-47 Map No. ____ Indexed A. C. Johnson
F.B. 129 Pg. 185

F.B/290 PG. 186

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

Survey of Beach Erosion - Redondo Date _____ Date Nov/49 No. _____

Survey by Meineck Notes GWK 10-20-47 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.

Range
327+00

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On 327+00 5-23"	#	Color	Time	Hor. Ang.	Remarks	
	1	R	738	89 45	Range line ∡ = 90°	
	2	Y		90 05		
	3	W		90 15		
	4	Y		89 30		
	5	W		89 45		
	6	R	748	89 45		
	7	Y		89 35		
	8	W		89 30		
	9	Y		90 10		
	10	W		89 25		
	11	R	752	90 10		
	12	Y		90 30		
	13	W		89 30		
	14	Y		90 15	End.	

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
338 +00	S-25	1	R		136°15	Range line 324+00	
		2	Y		138 15	Note 2 cut in ∡s missed either bet. shots 1+2 or 2+3. No way to determine unless by plotting. GWK	
		3	W		140 05		
		6 ~~4~~	R		141 10		
		7 ~~5~~	Y		142 25		
		8 ~~6~~	W		143 35		
		9 ~~7~~	Y		144 55		
		10 ~~8~~	W		146 10		
		11 ~~9~~	R		147 15		
		12 ~~10~~	Y		148 40		
		13 ~~11~~	W		150 20		
		14 ~~12~~	Y		152 30		
		15 ~~13~~	W		154 05		
		16 ~~14~~	R		155 30		
		17 ~~15~~	Y		156 25		
		18 ~~16~~	W		158 10		
		19 ~~17~~	Y		159 50		
		20 ~~18~~	W		161 55		

Cut in 324+00

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 4812 Division No. ____ F.B. 1290 PG. 187
X-Sec. No. ____ Date ____ Date 8/24/47 Survey of Beach erosion - Redondo
Notes Chkd. ____ Checked ____ Survey by Kleineck Notes No. Nowack Date 10-20-47
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 440 Pg. 188 Job No. 8412 Division No. Notes Red. Date Plotted H.U.M.H. Date 12/47 Profile No. X-Sec. No.

Survey of Beach erosion - Redondo Notes Chkd. Date Checked

Survey by Kleineck Notes Nowacki-12/20 Date

Indexed A. C. Johnson Date

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
338+00 S-25	1	R		136°00	Range Line 327+00
	2	Y		13850	
	3	W		14010	
	4	Y		14035	
	5	W		14110	
	6	R		14320	
	7	Y		14610	
	8	W		14745	
	9	Y		14940	
	10	W		15240	
	11	R		15345	
	12	Y		15540	
	13	W		15705	
	14	Y		15850	

Cut in. 327+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.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	7.03	53.1	535	3.7	49.8	Range line 324+00
2	Y		54.4	493	3.7	45.6	
3	W		48.8	454	3.7	41.7	
4	Y		50.4	410	3.7	37.3	
5	W		45.0	357	3.7	32.0	
6	R	7.10	46.3	319	3.7	28.2	
7	Y		42.5	288	3.7	25.1	
8	W		35.0	267	3.7	23.0	
9	Y		37.0	247	3.7	21.0	
10	W		31.5	227	3.7	19.0	
11	R	7.14	32.8	216	3.7	17.9	
12	Y		28.3	198	3.7	16.1	
13	W		29.8	183	3.7	14.6	
14	Y		26.1	160	3.7	12.3	
15	W		27.8	142	3.7	10.5	
16	R	7.20	24.0	133	3.7	9.6	
17	Y		26.0	120	3.7	8.3	
18	W		22.0	112	3.7	7.5	
19	Y		24.0	96	3.7	5.9	
20	W		20.9	67	3.7	3.0	
			23.0				
			19.0				
			21.3				
			17.5				
			19.8				
			15.1				
			17.8				
			13.7				
			15.1				
			12.7				
			14.4				
			11.0				
			14.0				
			10.5				
			12.7				
			9.6				
			10.8				
			6.1				
			8.0				

Boat
324+00

Profile
No. ____ Date 10-28-47 Plotted H. U. M. H. Job No. [illegible] Division No. ____ F.B. 1290 PG. 189
X-Sec. Notes Chkd. [illegible] Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date 10-28-47 Date ____ Map No. ____ Survey by Kleinecke Notes HGK Date 10-20-47
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		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	7.38	25.3	262	[illegible]	22.4	327+00
2	Y		28.0	235	[illegible]	19.7	
3	W		22.4	223	[illegible]	18.5	
4	Y		23.0	220	[illegible]	18.2	
5	W		21.5	205	[illegible]	16.7	
6	R	7.47	23.0	191	3.8	15.3	
7	Y		19.7	174	[illegible]	13.6	
8	W		18.5	158	[illegible]	12.0	
9	Y		16.5	145	[illegible]	10.7	
10	W		15.0	130	[illegible]	9.2	
11	R	7.52	14.2	113	3.5	7.5	
12	Y		13.5	95	[illegible]	5.7	
13	W		9.0	77	3.8	3.9	
14	Y		8.0	63	3.8	2.5	
15	W						
16	R						
17	Y						
18	W						
19	Y						
20	W						

Boat 327+00

F.B. 1290 PG. 190

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

Survey of Beach Erosion - Redondo Date 10-28-47 Date 10/27/47 No. X-Sec.

Survey by Alameda Notes H.U.M.H. 10-20-47 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date 10-28-47 Date

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					→ From pg. 59	
327+00	115	[illegible]		2210	N. & T. in Pvt.	
			128	2197	77' R. - Edge pvt.	
			13	219	11' R - Brk - Top St.	
			89	143	25' R - " , Edge beach.	
			103	129	58' R - beach	
			113	119	82' R - "	
T.P.	208	1085	1248	1077	112' R - " (1x1 stk)	
			35	73	112' R - "	10-15-47
			58	50	130' R - "	
T.P.	230	[illegible]	275	312	147' R - "	
			65	-05	204' R - Water.	
			90	-30	275' R - "	
			115	-55	315' R - " - End.	

Shore
327+00

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date Nov/47 Job No. 8412 Division No. ____
X-Sec. Notes Chkd ____ Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date ____ Date ____ Survey by Hlenech Notes GWK Date 10-10-47
Map No. ____ Indexed A. C. Johnson

F.B. 1290 PG. 191

F.B. 290 PG. 192 | Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile

Survey of Beach Erosion – Redondo Date Date No.

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

Indexed A. C. Johnson Date Date Date No.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
328+15	144	2285		2141	Elev. Sta. 328+30 on pg. 59.	
			145	21.40	0+00, 15' north of ℄ of groin #3	
			136	2149	8.5' R - Edge pvt.	
			11	217	12' R - Brk - Top bank.	
			82	146	26' R - " - Edge beach	
			96	132	60' R - Beach.	
			109	129	99' R - "	
TP	068	1256	1097	1188	105' R - 1x1 Stk flush	
			24	102	115' R - Beach.	
			30	96	127' R - "	
			62	64	151' R - "	
			96	30	178' R - water	
			125	01	222' R - "	
			142	-16	292' R - "	
			160	-3.4	311' R - "	

Shore
328+15
N/S of Groin #3

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

Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
Date Nov/47 Survey of Beach Erosion - Redondo
Notes Chkd ____ Checked ____ Survey by Kleinecke Notes Gulf Date 10-24-47
Date ____ Date ____ Map No. ____ Indexed F. Johnson Date ____

F.B. 1290 PG. 193

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
328+30	144	2285		2[illegible]	← From pg. 59 ℄ of Groin #3
			150	2[illegible]	85' R Edge of put.
			10	2[illegible]	90' R - Top bank.
			11	[illegible]	11' R - " " - Brk
			81	14[illegible]	23' R. Brk - Edge beach
			93	13[illegible]	51' R - beach.
T.P.	0.54	12[illegible]	1068	12[illegible]	103' R - " over groin
			17	[illegible]	117' R - " " "
			29	[illegible]	116' R - rock on groin
			32	[illegible]	125' R - " " "
			38	[illegible]	134' R - " " "
			54	[illegible]	144' R - " " "
			60	[illegible]	156' R - " " "
			68	[illegible]	169' R - " " "
			83	[illegible]	179' R - Top of rock at outside end of groin
			~~112~~	~~15~~	~~[illegible]~~
T.P. above	0.39	1256		1[illegible]	
			108	18	187' R - on sand bottom - end of brkwater
			120	0[illegible]	207' R. Water
			137	-11	258' R - "

328+30 - Shore
℄ of Groin #3

F.B. 1290 PG. 194

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

Survey of Beach Erosion - Redondo Date Date 12/20/47 No. X-Sec.

Survey by Wieneck Notes BWK - 10/24/47 Notes Chkd. Checked

Indexed A. C. Johnson Date Date Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
328+45	144	2285		2141	Elev. of Sta. 328+30 on pg. 59.	
			145	2140	0+00 on pvt. 15' South of ℄ of Grain #3	
			154	2131	8.5' R - Edge pvt.	
			13	2154	11' R - Brk - Top bank	
			81	1497	25' R - " - Edge beach	
			77	2312	61' R - Beach	
			110	1185	99' R - Brk - beach	
T.P.	166	1261	1190	1095	102' R - 1x1 stk flush.	
			34	92	106' R - Brk	
			80	46	134' R - Beach	
			120	06	203' R - water.	
			140	-14	264' R - "	
			157	-31	302' R - "	

Shore.
328+45
5/5 of Grain #3

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date Dec/47 Job No. 8412 Division No. ____ Survey of Beach Erosion - Redondo Survey by Meineck Notes Gulk Date 10-24-49 Map No. ____ Checked Johnson Date ____ Notes Chkd ____ Date ____ X-Sec. No. ____ Date ____

F.B. 1290 PG. 195

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 59
330+50	101	2118		20[illegible]	N + T in pvt. {Range line ∡ = 90° F.S. on 333+00
			103	[illegible]	7.5' R - Edge of pvt.
			04	20[illegible]	10' R - Top bank
			81	13[illegible]	28' R - Bot. bank - edge beach.
			88	12[illegible]	49' R - beach
			87	1[illegible]	73' R - "
T.P.	000	1244	874	1244	98' R - " 1 x 1 stk. flush.
			50	74	119' R - "
			101	23	150' R - "
			46	08	160' R - water
			127	-03	19[illegible]' R - "
			131	-0[illegible]	214' R - "
			131	-07	[illegible]' R - "
			14[illegible]	-16	27[illegible]' R - "
			150	-26	308' R - "

Shore 330+50

F.B. 1290 PG. 196

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

Survey of Beach Erosion - Redondo Date Date Nov/47 No. X-Sec.

Survey by Meinecke Notes GWK 10-27-47 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	
328	S 33	1	R	815	8930	Range line ∡ = 90°	
+45		2	Y		8925		
		3	W		8915		
		4	Y		8920		
		5	W		8950		
		6	R	820	9020		
		7	Y		9015		
		8	W		8945		
		9	Y		9045		
		10	W		9005		
		11	R	824	9000		
		12	Y		9000		
		13	W		9000		
		14	Y		8835		

15' Offset line to South of ∡ of grain #3

Range
328 + 45

Profile
No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 10/5/47 Survey of Beach Erosion - Redondo
No. ____ Notes Chkd ____ Checked ____ Survey by Heineck Notes Eulk Date 10-20-47
Date ____ Date ____ Map No. ____ Andrew Johnson Date ____

F.B. 1290 Pg. 197

F.B. 1290 PG. 198

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

Survey of Beach Erosion - Redondo Date [illegible] Date Nov/47 No. _____

Survey by Kleineck Notes GWK 10-20-47 Notes Chkd. _____ Checked _____

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

Profile

X-Sec.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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
330 5.23	1	R	842	90.0	Range line ∠ = 90°	
450	2	Y		90.0		
	3	W		84.0		
	4	Y		90.25		
	5	W		89.45		
	6	R	846	90.0		
	7	Y		90.0		
	8	W		90.0		
	9	Y		90.35		
	10	W		89.15		
	11	R	850	91.0		
	12	Y		90.00		
	13	W		90.15		
	14	Y		91.25		

Range
330+50

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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
338+00	S-25	1	R		132°35'	Range Line 328+45
		2	Y		133 45	
		3	W		135 30	
		4	Y		137 20	
		5	W		139 40	
		6	R		142 45	
		7	Y		144 10	
		8	W		145 40	
		9	Y		147 35	
		10	W		149 50	
		11	R		152 15	
		12	Y		154 45	
		13	W		156 15	
		14	Y		157 50	

Cut in 328+45

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Date ____ Job No. 8412 Division No. ____ F.B. 1298 Pg. 199
X-Sec. Notes Chkd. ____ Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date ____ Date ____ Survey by Klewiecki Notes Nowacki Date 10-20-47
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	
338+00	S-25	1	R		126°20'	Range Line 330+50	
		2	Y		129 40		
		3	W		131 25		
		4	Y		134 10		
		5	W		136 40		
		6	R		138 25		
		7	Y		140 10		
		8	W		142 25		
		9	Y		145 35		
		10	W		147 55		
		11	R		149 30		
		12	Y		150 55		
		13	W		152 20		
		14	Y		154 00		

Cut in ~~338+00~~ 330+50

F.B. 1240 PG. 700 Job No. 4812 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach erosion - Redondo Date Date 1/20/47 No. X-Sec.
Survey by Kleineck Notes Nowacki - 10/20 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	8.14	24.9	25.6	3.9	21.7	328+45
			27.0				
2	Y		23.9	245	3.9	20.6	
			25.8				
3	W		22.8	232	3.9	19.3	
			24.0				
4	Y		21.2	218	3.9	17.9	
			23.1				
5	W		19.9	205	3.9	16.6	
			21.7				
6	R	8.19	17.3	180	3.9	14.1	
			19.3				
7	Y		16.2	167	3.9	12.8	
			17.6				
8	W		15.1	158	3.9	11.9	
			17.1				
9	Y		13.5	140	3.9	10.1	
			15.0				
10	W		12.0	124	4.0	8.4	
			13.1				
11	R	8.24	10.0	107	4.0	6.7	
			12.0				
12	Y		7.2	80		4.0	
			9.5				
13	W		6.0	65		2.5	
			7.5				
14	Y		5.0	57		1.7	
			7.0				
~~15~~	~~W~~						
~~16~~	~~R~~						
~~17~~	~~Y~~						
~~18~~	~~W~~						
~~19~~	~~Y~~						
~~20~~	~~W~~						

Boot
328+45

Profile
No. X-Sec.
Notes Red. Lund Plotted HVNH Job No. 8417 Division No.
Date Date 11/2/47 Survey of Beach Erosion - Redondo
Notes Chkd. [illegible] Checked Survey by Klemeck Notes HGK Date 10-20-47
No. Date Date Map No. Indexed Johnson Date

F.B. 1290 PG. 201

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	8.41	23.8	247	4.0	20.7	330 + 50
2	Y		26.9	226	4.0	18.6	
3	W		23.9	213	4.0	17.3	
4	Y		20.3	198	4.0	15.8	
5	W		23.2	186	4.0	14.6	
6	R	8.46	18.4	170	4.0	13.0	
7	Y		21.5	155	4.0	11.5	
8	W		18.0	139	4.0	9.9	
9	Y		19.8	117	4.0	7.7	
10	W		16.5	100	4.0	6.0	
11	R	8.49	18.0	87	4.0	4.7	
12	Y		19.3	80	4.0	4.0	
13	W		17.0	67	4.0	2.7	
14	Y		10.0	55	4.0	1.5	
~~15~~	~~W~~		6.0				
~~16~~	~~R~~		8.0				
~~17~~	~~Y~~		4.8				
~~18~~	~~W~~		7.0				
~~19~~	~~Y~~						
~~20~~	~~W~~						

Boat 330+50

F.B. 1290 PG. 202

Job No. 2412 Division No. Notes Red. Plotted HUMH Profile

Survey of Beach Erosion - Redondo Date 4/3/47 No.

Survey by Hemmer Notes H.G.H. 10-20-47 Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 59	
333+00	121	2131		2010	N. + T. in pvt.	Range line Δ = 90° F.S. on 15-23
			125	2006	6.0' R. Edge pvt	
			12	201	8.5' R. - Top bank	
			67	146	23' R - Bot. Bank	
			79	134	48' R - Beach	
			90	123	75' R - "	
T.P.	012	1248	[illegible]	1236	104' R - " - 1x1 stk.	
			04	121	108' R - " - Brk.	
			46	79	130' R - "	
			118	07	182' R - Water	
			131	-06	186' R - "	
			124	01	206' R - "	
			140	-15	279' R - "	
			165	-40	346' R - "	

Shore
333+00

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 2/20/47 Job No. 8412 Division No. ____ Survey of Beach Erosion - Redondo
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Hewsett Notes G.W.K. Date 10/27/47
Map No. ____ Date ____ Indexed Johnson Date ____

F.B. 1240 Pg. 203

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	∡ From pg. 59
335+50	0 80	22 11		21 31	N.T.T. in pvt. {Range line ∡ = 90° F.S. on 5-24"
			0 95	2 16	6.0 R. - Edge pvt.
			0 7	2 [illegible]	8.0' R - Top bank
			6 9	15 2	23' R - Bot bank - edge beach
			8 6	13 [illegible]	56' R - beach
			9 3	12 [illegible]	83' R - "
	TP. 0 [illegible]	12 53	9 51	12 [illegible]	110' R - " - [illegible]
			0 9	11 6	130' R - " - Brk.
			2 1	10 [illegible]	135' R - " "
			12 [illegible]	[illegible]	204' R - water
			13 [illegible]	-0 1	288' R - "
			16 [illegible]	-3 7	394' R - "

Shore
335+50

F.B. 290 Pg. 204
Job No. 8442 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion - Redondo Date Date Bon 1/47 No. X-Sec.
Survey by Kenneth Notes Guilt - 10/27/47 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	
333	"5-23"	1	R	903	8940	Range line ∡ = 90°	
+00		2	Y		8930		
		3	W		9000		
		4	Y		8930		
		5	W		8945		
		6	R	910	8955		
		7	Y		8940		
		8	W		9010		
		9	Y		9015		
		10	W		9010		
		11	R	915	9000		

Range
333+00

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

Notes Red ____ Plotted ____ Date ____
Notes Chkd ____ Checked ____ Date ____

H. U. M. H.
Job No. 8412 Division No. ____
Survey of Beach Erosion - Redondo
Survey by Klemmeck Notes Gwk Date 10-20-'47
Map No. ____ Indexed P. Johnson Date ____

F.B. 1290 PG. 205

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
335	"5-24"	1	R	9.42	89 50	Range line ∡ = 90°	
+50		2	Y		89 55		
		3	W		90 00		
		4	Y		90 00		
		5	W		90 15		
		6	R	9.47	90 00		
		7	Y		90 00		
		8	W		90 15		
		9	Y		90 10		
		10	W		90 20		
		11	R	9 50	90 15		
		12	Y		90 20		
		13	W		90 00		
		14	Y		89 50	End	

Range 335+50

F.B. 1290 PG. 206 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion - Redondo Date Date 10/20/47 No. X-Sec.
Survey by Kleinecke Notes Gulk 10-20-47 Notes Chkd. Checked No.
Index L. O. 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	
348 +00	S-26	1	R		153 40	Range Line 333 +00	
		2	Y		155 50		
		3	W		157 45		
		4	Y		159 20		
		5	W		161 05		
		6	R		163 00		
		7	Y		164 45		
		8	W		166 20		
		9	Y		168 35		
		10	W		170 30		
		11	R		171 35		

Cut in
333+00

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date Nov/47 Job No. 4812 Division No. ____ F.B. 129 PG. 207
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of Beach erosion - Redondo
Survey by Kleineck Notes Nowack Date 10-20-47
Map No. ____ Date ____ Indexed F. 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
348 +00	S-26	1	R		143°35'	Range Line 335+50
		2	Y		146 50	
		3	W		148 00	
		4	Y		149 10	
		5	W		150 50	
		6	R		152 45	
		7	Y		155 40	
		8	W		157 15	
		9	Y		158 25	
		10	W		161 10	
		11	R		162 30	
		12	Y		164 25	
		13	W		166 05	
		14	Y		167 55	

Cut in ~~348+00~~ 335+50

F.B. 1290 PG. 208

Job No. 4812 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach erosion - Redondo Date Date Nov/47 No. X-Sec.

Survey by Kleineck Notes Nowacki - 10/20 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	9.03	25.0	257	4.1	21.6	333+00
2	Y		27.0	238	4.1	19.7	
3	W		23.1	227	4.1	18.6	
4	Y		25.1	211	4.1	17.0	
5	W		21.9	196	4.1	15.5	
6	R	9.10	24.2	184	4.1	14.3	
7	Y		20.0	170	4.1	12.9	
8	W		23.3	149	4.1	10.8	
9	Y		19.0	128	4.1	8.7	
10	W		20.8	110	4.1	6.9	
11	R		17.5	10.3	4.1	6.2	
~~12~~	~~Y~~		20.6				
~~13~~	~~W~~		16.5				
~~14~~	~~Y~~		18.0				
~~15~~	~~W~~		14.2				
~~16~~	~~R~~		16.3				
~~17~~	~~Y~~		12.2				
~~18~~	~~W~~		14.1				
~~19~~	~~Y~~		10.0				
~~20~~	~~W~~		13.0				

Boat
333+00

Profile No. ____ Date ____ Notes Red Lobo Plotted HUMH Job No. 8412 Division No. ____ Date 11/3/47 Survey of Beach Erosion - Redondo

X-Sec. No. ____ Date ____ Notes Chkd. [illegible] Checked ____ Survey by Hlemeck Notes H.G.K. Date 10-20-'47

Map No. ____ Indexed C. Johnson Date ____

F.B. 1290 Pg. 209

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	9.41	29.1				335+50
2	Y		31.1	298	4.3	25.5	
3	W		27.1	276	4.3	23.3	
4	Y		28.5	263	4.3	22.0	
5	W		25.9	252	4.3	20.9	
6	R	9.47	27.1	239	4.3	19.6	
7	Y		24.3	232	4.3	18.9	
8	W		27.0	213	4.3	17.0	
9	Y		23.0	196	4.3	15.3	
10	W		25.7	186	4.3	14.3	
11	R	9.50	21.9	164	4.3	12.1	
12	Y		25.9	157	4.3	11.4	
13	W		20.5	134	4.3	9.1	
14	Y		22.8	118	4.3	7.5	
~~15~~	~~W~~		18.9	97	4.3	5.4	
~~16~~	~~R~~		21.0				
~~17~~	~~Y~~		17.9				
~~18~~	~~W~~		19.9				
~~19~~	~~Y~~		15.9				
~~20~~	~~W~~		17.5				

Boat 335+50

F.B. 1290 Pg. 210

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

Survey of Beach Erosion - Redondo Date Date 11/3/47 No. X-Sec.

Survey by Hemeck Notes HGH 10-20-47 Notes Chkd. Checked No.

Indexed C. Johnson Date Date

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 59	
338+00	126	[illegible]		2242	[illegible]	Range line ∠ = 82°00' F.S. on 15-25°
			133	2235	55' R - Edge part.	
			09	228	10' R - Top bank	
			83	154	38' R - Bot bank - Edge beach	
			91	146	48' R - beach.	
			98	139	54' R - "	
			107	130	[illegible] R - "	
			[illegible]	121	[illegible] R - "	
[illegible]	040	1266	[illegible]	1226	129' R - " - [illegible]	
			08	119	141' R - " - Brk.	
			39	88	161' R - "	
			80	47	191' R - "	
			111	16	216' R - water.	
			125	02	297' R - "	
			145	-18	367' R - "	
			162	-35	406' R - "	

Shore
338+00

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 211
No. ____ Date ____ Date 1/20/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleinecke Notes GWK Date 10-27-47
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	✓ From pg. 59	
340+50	119	2156		20 37	N+T in pvt.	Range line ∡ = 82°00' F.S. on "5-28"
			135	20 [illegible]	12' R - Edge pvt.	
			07	20 [illegible]	16' E - Top bank.	
			53	16 [illegible]	26' R - Brk.	
			79	13 [illegible]	39' R - " - Edge beach.	
			92	12 [illegible]	59' R - beach.	
TP	006	1158	1004	1 [illegible]	40' E - "	[illegible]
			14	1 [illegible]	97' R - "	
			45	71	124' E - "	
			76	40	150' E - "	
			105	11	179' E - water.	
			114	02	2[illegible]' E - "	
			138	-22	329' E - "	
			153	-27	369' E - "	

Shore
340+50

F.B. 290 Pg. 212 | Job No. 8412 | Division No. | Notes Red. | Plotted H. U. M. H. | Profile
Survey of Beach Erosion - Redonda | Date | Date Nov/47 | No. | X-Sec.
Survey by Kleinecke | Notes Chkd. | Checked | No.
Indexed A. O. 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	
338	5.25	1	R	1005	8220	Range line ∡ = 82°	
+00		2	Y		8150		
		3	W		8210		
		4	Y		8225		
		5	W		8150		
		6	R	1017	8150		
		7	Y		8200		
		8	W		8210		
		9	Y		8210		
		10	W		8155		
		11	R	1036	8205		
		12	Y		8200		
		13	W		8230		
		14	Y		8200		
		15	W		8230	End.	

Range
338+00

Profile
No. ____ Date ____ Notes Red. ____ Plotted H U M H Job No. 8417 Division No. ____ F.B. 1290 PG. 213
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Hemeck Notes GWK Date 10-20-'47
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. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
340	"5-25"	1	R.	1106	82 5	Range line ∡ = 82°.	
+50		2	Y		81 40		
		3	W		81 35		
		4	Y		82 20		
		5	W		82 30		
		6	R.	1116	83 20		
		7	Y		82 20		
		8	W		81 55		
		9	Y		82 35		
		10	W		82 00		
		11	R	1121	82 10		
		12	Y		81 45		
		13	W		82 40		
		14	Y		82 30		
		15	W		82 00		
		16	R	1126	80 35		

Range 340+50

F.B. 1290 PG. 214 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date Mar/47 No. X-Sec.
Survey by Meineck Notes GWH - 10-20-47 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
348 +00	S-26	1	R		136°40	Range Line	338+00
		2	Y		139 30		
		3	W		141 00		
		4	Y		144 05		
		5	W		146 25		
		6	R		149 40		
		7	Y		151 10		
		8	W		154 10		
		9	Y		157 00		
		10	W		155 55		
		11	R		155 35		
		12	Y		154 30		
		13	W		158 50		
		14	Y		160 50		
		15	W		162 25		

Cut in 338+00

Profile Notes Red ____ Plotted H.U.M.H. Job No. 4812 Division No. ____ F.B. 1290 Pg. 215
No. ____ Date ____ Date Nov/47 Survey of Beacherosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nowacki Date 10-20-47
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.

F.B. 210 PG. 216 Job No 4812 Division No Notes Red Plotted H.U.M.H. Profile
Survey of Beach erosion - Redondo Date Date Nov/47 No. X-Sec.
Survey by Kleineck Notes Nowacki-12/22 Notes Chkd Checked No.
Indexed C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks
348 +00 / S-26	1	R		126°50'	Range Line 340 +50
	2	Y		127 25	
	3	W		12900	
	4	Y		131 40	
	5	W		13520	
	6	R		13900	
	7	Y		14055	
	8	W		14240	
	9	Y		14615	
	10	W		14910	
	11	R		151 30	
	12	Y		15320	
	13	W		155 20	
	14	Y		15700	
	15	W		15700	
	16	R		15850	

Cut in 340 +50

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Date Plotted HUSSH Job No. [illegible] Division No.
No. X-Sec. Date 4/13/47 Survey of Beach Erosion - Redondo
Notes Chkd Date Checked Survey by Hancock Notes HGH Date 10-20-47
No. Date Map No. Indexed Johnson Date

F.B. 1790 Pg. 27

STATION	B. S.	H. I.	F. S.	ELEV.		
#	Color Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R 10.05	28.5	293	4.4	24.9	338+00
2	Y	27.8	278	4.4	23.4	
3	W	25.8	258	4.4	21.4	
4	Y	23.8	242	4.4	19.8	
5	W	22.0	220	4.4	17.6	
6	R 10.17	20.2	198	4.4	15.4	
7	Y	18.0	176	4.4	13.2	
8	W	15.7	157	4.4	11.3	
9	Y	13.8	139	4.4	9.5	
10	W	12.2	127	4.4	8.3	
11	R 10.30	15.3	153	4.4	10.9	
12	Y	14.9	157	4.4	14.3	
13	W	11.9	119	4.4	7.5	
14	Y	10.5	101	4.4	5.7	
15	W	9.9	85	4.4	4.1	
~~16~~	~~R~~					
~~17~~	~~Y~~					
~~18~~	~~W~~					
~~19~~	~~Y~~					
~~20~~	~~W~~					

Boat
338+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.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	11:06	24.5 / 31.1	300	4.5	25.5	340+50
2	Y		28.5 / 31.0	293	4.5	24.8	
3	W		27.0 / 31.0	283	4.5	23.8	
4	Y		25.7 / 27.8	264	4.5	21.9	
5	W		23.0 / 25.1	237	4.5	19.2	
6	R	11:12	21.7 / 23.2	222	4.5	17.7	
7	Y		19.9 / 22.4	207	4.5	16.2	
8	W		18.0 / 21.0	190	4.5	14.5	
9	Y		16.2 / 19.3	172	4.5	12.7	
10	W		14.1 / 16.3	148	4.5	10.3	
11	R	11:21	12.5 / 15.1	134	4.5	8.9	
12	Y		10.7 / 12.0	111	4.5	6.6	
13	W		9.0 / 12.0	100	4.5	5.5	
14	Y		8.0 / 10.5	88	4.5	4.3	
15	W		7.0 / 9.8	79	4.5	3.4	
16	R	11:27	6.0 / 10.0	73	4.5	2.8	End of line
~~17~~	~~Y~~						Boat 340+50
~~18~~	~~W~~						
~~19~~	~~Y~~						
~~20~~	~~W~~						

F.B. 1290 PG. 218

Job No. 5U12 Division No. Redondo Notes Red Plotted H.U.M.H. Date 11/3/47 No. Profile

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

Survey by Hemack Notes HGH 10-20-47 Date Date No.

Indexed C. Johnson Date

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 60.	
343+00	011	1333		1322	1x1 S.H. (S+C up 0.4')	
			08	125	23' E. Beach	
			09	124	43' E. "	
			41	92	68' E. "	
			86	47	102' E. "	
			126	07	131' E. water	
			143	-10	157' E. "	
			152	00	189' E. "	
			149	-15	242' E. "	
			159	-26	315' E. "	
			176	-43	353' E. "	

Shore
343+00

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. SW2 Division No. ____
X-Sec. Date ____ Notes Chkd ____ Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date ____ Date ____ Survey by Hermes Notes Pink Date 10/27/47
Map No. ____ Indexed Johnson Date ____

F.B. 1290 Pg. 219

F.B. 1298 PG. 220

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

Survey of Beach Erosion - Redondo Date _____ Date 1/20/47 No. _____

Survey by Kleinecke Notes GWK 10/27/47 Notes Chkd. _____ Checked _____ X-Sec.

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

Shore
348+00

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
348+00	0.45	13.25		1.80	1x1 Sta. (Pt. up 0.2')
			16	118	17' R. - Bench.
			37	57	55' E. "
			60		56' R. "
			92		82' R. "
TP.	4.77	8.22	4.45	4.33	
			60	26	42' R. Bench.
			80	06	103' R. - Wet.
			75		40' R. "
			94		67' E. "
			100	-11	24' E. "
			129	-43	54' E. "

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
343	"525"	1	R	1141	8140	Range line ∡ = 82°	
400		2	Y		8210		
		3	W		8150		
		4	Y		8230		
		5	R	1145	8240		
		6	Y		8215		
		7	W		8155		
		8	Y		8150		
		9	W		8305		
		10	R	1150	8255		
		11	Y		8135		
		12	W		8250		
		13	Y		8255		
		14	W		8200	End	

Range
343+00

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date Nov/47. Survey of Bergell Erosion - Redondo
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Klemgert Notes GWK Date 10-20-'47
Date ____ Map No. ____ Indexed T. Johnson Date ____

F.B. 1290 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		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
348	"S-26"	1	R	7 05	90 05	Range line ∡ = 90°	
+00		2	Y		90 05		
		3	W		90 15		
		4	Y		90 35		
		5	W		91 10		
		6	R	7 09	90 30		
		7	Y		91 [illegible]5		
		8	W		90 45		
		9	Y		90 10		
		10	W		89 50		
		11	R	7 13	91 10		
		12	Y		91 [illegible]		

Range
348+00

F.B. 1290 PG. 222 Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date Nov/47 No. X-Sec.
Survey by Meneck Notes Moore-10-21-47 Notes Chkd Checked No.
Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
335 +50	S-24	1	R		54 40	Range Line 343+00	
		2	Y		53 20		
		3	W		52 10		
		4	Y		50 10		
		5	R		47 50		
		6	Y		45 10		
		7	W		44 00		
		8	Y		41 00		
		9	W		39 30		
		10	R		37 25		
		11	Y		35 30		
		12	W		32 10		
		13	Y		30 55		
		14	W		28 15		

Cut in.
343+00

Profile Notes Red ____ Plotted H.U.M.H. Job No. 4812 Division No. ____ F.B. 129 PG. 223
No. ____ Date ____ Date 10/20/47 Survey of Beach erosion-Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nowacki Date 10-20-47
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	
335 +50	S-24	1	R	7:04	37 25	Range Line 348 +00	
		2	Y	05	35 50		
		3	W	06	33 20		
		4	Y	07	31 35		
		5	W	08	30 30		
		6	R	09	27 35		
		7	Y	10	25 30		
		8	W	10	23 45		
		9	Y	11	21 25		
		10	W	12	20 10		
		11	R	13	19 00		
		12	Y	13	17 15		

Cut in 348+00

F.B. 1290 PG. 224

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

Survey of Beach Erosion - Redondo Date Date 2/05/47 No. X-Sec.

Survey by Hewlett Notes Nowacki-10/21 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.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	11:40	29.2 / 31.2	299	4.5	25.4	343+00
2	Y		27.8 / 29.7	284	4.5	23.9	
3	W		26.5 / 27.6	269	4.5	22.4	
4	Y		24.5 / 27.4	255	4.5	21.0	
5	R	11:45	22.8 / 25.1	236	4.5	19.1	
6	Y		21.8 / 24.4	227	4.5	18.2	
7	W		20.2 / 22.9	211	4.5	16.6	
8	Y		18.7 / 21.4	196	4.5	15.1	
9	W		17.3 / 18.8	178	4.5	13.3	
10	R	11:50	15.5 / 18.3	164	4.5	11.9	
11	Y		13.9 / 17.8	152	4.5	10.7	
12	W		12.0 / 14.0	127	4.5	8.2	
13	Y		10.0 / 14.0	113	4.5	6.8	
14	W		8.0 / 12.5	95	4.5	5.0	
~~15~~	~~R~~						
~~16~~	~~Y~~						
~~17~~	~~W~~						
~~18~~	~~Y~~						
~~19~~	~~W~~						
~~20~~	~~R~~						

Boat
343+00

Profile
No. _____ Date _____ Notes Red [illegible] Plotted H.U.M.H. Job No. [illegible] Division No. _____
X-Sec. No. _____ Date _____ Notes Chkd. [illegible] Checked _____ Date 4/3/47 Survey of Beach Erosion - Redondo
Survey by [illegible] Notes G.O.H. Date 10/20/47
Map No. _____ Indexed A. C. Johnson Date _____

F.B. 1290 Pg. 225

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	7.05	26.9	273	3.7	23.6	348+00
2	Y		28.2	263	3.7	22.6	
3	W		25.5	240	3.7	20.3	
4	Y		27.9	228	3.7	19.1	
5	W		23.4	209	3.7	17.2	
6	R	7.09	25.1	191	3	15.4	
7	Y		22.2	176	3.7	13.9	
8	W		24.1	160	3.7	12.3	
9	Y		20.0	135	3.7	9.8	
10	W		22.6	128	3.7	9.1	
11	R	7.13	18.5	105	3	6.8	
12	Y		20.2	92	3.7	5.5	
~~13~~	~~W~~		16.8				
~~14~~	~~Y~~		19.2				
~~15~~	~~W~~		15.5				
~~16~~	~~R~~		17.1				
~~17~~	~~Y~~		13.0				
~~18~~	~~W~~		14.5				
~~19~~	~~Y~~		12.1				
~~20~~	~~W~~		14.1				

Boat 348+00

F.B. 1290 PG. 226

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

Survey of Beach Erosion - Redondo Date Date 11/3/47 No. X-Sec.

Survey by Hlewack Notes H.G.K. - 10-21-47 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 60	
353+00	057	1329		1270	1X1 STK. (STK up 0.4')	
			18	115	18' R – Beach	
			41	92	33' R – "	
			67	66	53' R – "	
TP	346	818	858	469		
			40	42	75' R – "	
			71	11	103' R – water	
			86	-04	114' R – "	
			81	01	135' R – "	
			102	-20	241' R – "	
			106	-24	314' R – "	
			117	-35	344' R – "	

Shore
353+00

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1290 Pg. 227
X-Sec. Date 10/27/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Meneck Notes Sink Date 10/27/47
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1290 PG. 228

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

Survey of Beach Erosion - Redondo Date _____ Date Nov/47 No. _____

Survey by Meineck Notes GWK 10/27/47 Notes Chkd. _____ Checked _____ X-Sec.

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

Shore
358+00

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
358+00	-012	1200		1212	1x1 stk. (Stk up 0.4')
			16	104	18' E. Beach
			49	71	40' E. "
TP	342	762	780	-20	72' E. "
			63	13	64' E. - water
			77	04	127' E. "
			83	-05	220' E. "
			113	-37	306' E. "
			127	-51	336' E. "

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
353400	S-26	1	R	7 32	89 50	Range S 10°
		2	[illegible]		90 15	
		3	W		90 10	
		4	FW		90 05	
		5	W		90 10	
		6	R	7 37	90 10	
		7	Y		90 35	
		8	W		91 05	
		9	Y		90 10	
		10	W		89 45	
		11	R	7 41	88 40	
		12	Y		88 10	
		13	W		91 20	
		14	Y		94 00	

Range
353400

Profile
No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1298 Pg. 229
X-Sec. Date Nov/47 Survey of Beach Erosion - Redondo
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Memeck Notes J.W.S.N. Date 10-21-47
Date ____ Map No. ____ Indexed S. Johnson Date ____

F.B. 1240 PG. 230

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

Survey of Beach Erosion - Redondo Date _____ Date Nov/47 No. _____

Survey by Hleinack Notes Moore - 10/21/47 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.

Range
358400

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
358 2-26	1	R	7 59	[illegible] 55	Range	[illegible]
400	2	Y		90 00		
	3	W		89 45		
	4	Y		89 55		
	5	W		90 00		
	6	R	8 04	89 40		
	7	Y		89 55		
	8	W		[illegible] 55		
	9	Y		90 30		
	10	W		90 40		
	11	R	8 08	90 10		
	12	Y		91 30		
	13	W		91 55		

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
343 +00	S-25	1	R	7 32	35 45	Range Line 353+00	
		2	Y	33	33 50		
		3	W	34	32 10		
		4	~~Y~~ W		29 55		
		5	W		26 40		
		6	R	7:36	25 25		
		7	Y		23 15		
		8	W		21 20		
		9	Y		19 05		
		10	W		16 55		
		11	R	7:40	15 15		
		12	Y		13 20		
		13	W		11 50		
		14	Y		10 10		

Cut in.
353+00

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Job No. 4812 Division No. ____
X-Sec. ____ Date 10/7/47 Survey of Beach erosion - Redondo
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nowacki Date 10-21-47
Map No. ____ Indexed C. Johnson Date ____

F.B. 1290 PG. 231

F.B. [illegible] PG. 237 | Job No. 4812 | Division No. | Notes Red. | Plotted H. U. M. H. | Profile No.

Survey of Beach erosion - Redondo | Date | Date Nov/47 | X-Sec. No.

Survey by Kleineck | Notes Nawacki - 10/21 | Notes Chkd. | Checked

Indexed A. C. Johnson | Date | Date | Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
343+00	S-25	1	R	7:58	24°10	Range Line 358+00
		2	Y		22 35	
		3	W		19 45	
		4	Y		17 55	
		5	W		15 30	
		6	R	8:03	13 50	
		7	Y		[illegible] 30	
		8	W		10 35	
		9	Y		7 50	
		10	W		6 20	
		11	R	8:09	5 10	
		12	Y		4 25	
		13	W		3 20	

Cut in 358+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.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	7.32	27.8 / 29.2	283	3.7	24.6	353+00
2	Y		26.3 / 27.7	268	3.7	23.1	
3	W		24.9 / 26.8	255	3.7	21.8	
4	~~Y~~ (W)		22.5 / 25.7	236	3.7	19.9	
5	W		21.5 / 23.5	222	3.7	18.5	
6	R	7.37	19.9 / 22.9	209	3.7	17.2	
7	Y		18.3 / 20.0	189	3.7	15.2	
8	W		17.0 / 18.9	176	3.7	13.9	
9	Y		15.5 / 17.2	161	3.7	12.4	
10	W		13.5 / 16.5	145	3.7	10.8	
11	R		12.0 / 15.2	131	3.7	9.4	
12	Y		10.5 / 13.4	115	3.7	7.8	
13	W		8.3 / 10.5	90	3.7	5.3	
14	Y		6.0 / 9.0	70	3.7	3.3	
~~15~~	~~W~~						
~~16~~	~~R~~						
~~17~~	~~Y~~						
~~18~~	~~W~~						
~~19~~	~~Y~~						
~~20~~	~~W~~						

Boot
353+00

Profile No. ____ Date ____ Notes Red. [illegible] Plotted HUMH Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. [illegible] Checked ____ Date ____ Survey of Beach Erosion - Redondo
Survey by Mlemeck Notes HGK Date 10-21-'47
Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1290 Pg. 233

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	7.58	29.04	285	3.7	24.8	358+00
2	Y		26.6	272	3.7	23.5	
3	W		28.5	255	3.7	21.8	
4	Y		25.0	243	3.7	20.6	
5	W		26.4	216	3.7	17.9	
6	R	8.04	23.5	192	3.7	15.5	
7	Y		25.8	178	3.7	14.1	
8	W		20.8	166	3.7	12.9	
9	Y		23.2	141	3.7	10.4	
10	W		18.8	128	3.7	9.1	
11	R	8.09	20.1	114	3.7	7.7	
12	Y		17.2	87	3.7	5.0	
13	W		19.0	75	3.7	3.8	
14	~~Y~~		15.8				
15	~~W~~		18.1				
16	~~R~~		13.5				
17	~~Y~~		15.3				
18	~~W~~		12.2				
19	~~Y~~		14.0				
20	~~W~~		10.8				

Boat 358+00

F.B. 1290 PG. 234

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

Survey of Beach Erosion - Redondo Date Date 11/3/47 No. X-Sec.

Survey by Tlemeck Notes H&H - 10-21-47 Notes Chkd. Checked No.

Indexed C. Johnson Date Date

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From pg. 60	
363+00	-005	1349		1354	1x1 Stk. - Stk up 0.2	{Range line ∠=90° F.S. on 5-26'
			11	124	18' R - Beach.	
			24	111	27' R - "	
			76	59	60' R - "	
TP	408	742	1015	334	90' R - "	
			67	07	160' R - water	
			81	-07	238' R - "	
			110	-36	318' R - "	

Shore
363+00

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 12/27/47 Job No. 2417 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Beach Erosion - Redondo
Survey by Klemack Notes Gulk Date 10/28/47
Map No. ____ Indexed C. Johnson Date ____

F.B. 2240 Pg. 235

F.B./290 PG. 236

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

Survey of [illegible] Date _____ Date Nov/47 No. _____

Survey by [illegible] Notes GWK 10/28/47 Notes Chkd. _____ Checked _____ X-Sec.

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

Shore
368+00

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
368+00	1.54	1420		1266	1X15 ft up 0.5 } Range line ∡ = 90° F.S. on 5.27'
			23		25'E - Beach
			31		37'E - "
			86		69'E - "
TP	8.71	8.23	968		452.80'E - "
			98		154'E - water
			106		196'E - "
			113		220'E - "
			143		212'E - "

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
[illegible]			R	8 26	89 35	Range to 90°	
[illegible]			[illegible]		90 25		
		[illegible]	W		90 05		
		[illegible]	[illegible]		90 30		
		[illegible]	W		90 30		
		[illegible]	R	8 35	89 50		
		[illegible]	Y		89 35		
		[illegible]	W		89 20		
		[illegible]	Y		89 40		
		[illegible]	W		89 15		
		[illegible]	R	8 40	90 55		
		[illegible]	Y		91 15		
		[illegible]	W		91 15		
		[illegible]	Y		89 50		

Range
363+00

Profile Notes Red. ____ Plotted H.U.M.H. Job No. 842 Division No. ____ F.B. 1298 PG. 237
No. ____ Date ____ Date Nov/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Hemeck Notes Y.S.N. Date 10-21-47
No. ____ Date ____ Date ____ Map No. ____ Inspected 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
368	5.27	1	R	9 03	88 10	Range ≈ 90°
400		2	Y		89 10	
		3	W		89 05	
		4	Y		89 25	
		5	W		90 00	
		6	R	9 08	89 05	
		7	Y		88 25	
		8	W		90 10	
		9	Y		91 00	
		10	W		90 50	
		11	R	9 15	88 50	
		12	Y		91 00	
		13	W		89 55	
		14	Y		91 40	
		15	W		92 40	

Range 368 400

Profile
X-Sec.
Plotted H. U. M. H. Date Nov/47 No.
Checked Date No.
Notes Red. Date
Notes Chkd. Date
Division No. 8412
Job No. 8412
Survey of Beach Erosion - Redondo
Survey by Hlenieck Notes Moore 10/21/47
Indexed A. C. Johnson Date
F.B. 1298 PG. 238

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
353 +00	S-26	1	R	8:25	46° 15'	Range Line 363+00	
		2	Y		44 20		
		3	W		41 00		
		4	Y		38 20		
		5	W		35 50		
		6	R	8:35	33 20		
		7	Y		29 50		
		8	W		28 20		
		9	Y		25 00		
		10	W		23 05		
		11	R	8:40	21 45		
		12	Y		20 30		
		13	W		19 20		
		14	Y		18 05		

Cut in.
363+00

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 4812 Division No. ____ F.B. 1290 Pg. 239
X-Sec. Date Nov/47 Survey of Beach erosion - Redondo
No. ____ Notes Chkd. ____ Checked ____ Survey by Kleineck Notes Nov 10-21-47 Date 10-21-47
Date ____ Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
353 +00	S-26	1	R	9:02	36°30'	Range Line 368+00
		2	Y		34 20	
		3	W		32 45	
		4	Y		29 00	
		5	W		26 00	
		6	R	9:13	23 55	
		7	Y		21 00	
		8	W		19 35	
		9	Y		18 00	
		10	W		17 10	
		11	R	9:15	18 50	
		12	Y		17 50	
		13	W		16 00	
		14	Y		15 10	
		15	W		13 25	

Cut in. 368+00

F.B. 1290 PG. 240 Job No. 4812 Division No. Notes Red. Plotted U.M.H. Profile
Survey of Beach erosion - Redondo Date Date 2/20/47 No. X-Sec.
Survey by Kleineck Notes Nowacki 10-21-47 Notes Chkd. Checked No.
Indexed Q. 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 [illegible] Date____ Notes Chkd. [illegible] Date____ Date____ Plotted [illegible] Date 1/13/47 Checked [illegible] Date____ Job No. F-417 Division No.____ Survey of Beach Erosion - Redondo Survey by Memo Notes Mitchell Date 10-21-46 Map No.____ Date____ Date____

F.B. 290 PG. 24

STATION	B. S. -	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
# Color	Time					
1 R	8.26	28.8 31.0	29 5	3.7 ✓	25.8 ✓	363+00
2 Y		26.9 29.0	25 6	3.7	23.9 ✓	
3 W		28.0 29.0	26 3	3.7	22.6 ✓	
4 Y		23.5 25.0	24 3	3.7	20.6 ✓	
5 W		21.5 24.2	22 4	3.7	18.7 ✓	
6 R	8.35	20.0 22.0	20 9	3.7 ✓	17.2 ✓	
7 Y		18.2 21.9	19 1	3.7	15.4 ✓	
8 W		20.1	17 6	3.7	13.9 ✓	
9 Y		14.5 17.0	15 3	3.7	11.6 ✓	
10 W		12.8 15.0	13 5	3.7	9.8 ✓	
11 R	8.40	14.0	12 3	3.7 ✓	8.6 ✓	
12 Y		9.7 10.5	10 4	3.7	6.7 ✓	
13 W		8.1 11.1	9 1	3.7	5.4 ✓	
14 Y		7.0 10.0	8 0	3.7	4.3 ✓	
15 W						
16 R						
17 Y						
18 W						
19 Y						
20 W						

Boat
363+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.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	8 59	28.0 30.2	28 7	3.9	24.9	[illegible]
2	Y		26.5 28.1	27 4	3.8	23.6	
3	W		24.0 27.7	25 2	[illegible]	21.4	
4	Y		23.0 25.1	23 7	[illegible]	19.9	
5	W		20.0 23.1	21 0	[illegible]	17.2	
6	R	9 09	18.5 21.7	19 6	[illegible]	15.8	
7	Y		17.0 20.5	18 2	3.8	14.4	
8	W		15.0 17.0	15 7	3.8	11.9	
9	Y		13.3 [illegible]	14 3	3.8	10.5	
10	W		[illegible]	12 4	3.8	9.1	
11	R	9 15	14.5 16.8	15 3	3.8	11.5	may be [illegible]
12	Y		13.0 15.2	14 1	3.8	10.3	
13	W		10.9 12.5	11 4	3.8	7.6	
14	Y		9.0 12.5	10 2	3.8	6.4	
15	W		6.8 11.2	8 3	3.8	4.5	
16	R						
17							
18							
19							

Boat 368400

F.B. 1290 PG. 242 Job No. 8412 Division No. Notes Red Plotted HUM.H Profile
Survey of Beach Erosion - Redondo Date 11/3/47 No. X-Sec.
Survey by Hemecs Notes Mitchell 10-21-47 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	From 109 60	
373+00	[illegible]	[illegible]		12[illegible]	1X1 Stk flush.	[illegible]
			[illegible]	[illegible]	6' C - [illegible]	
			91	5[illegible]	[illegible] C - [illegible]	
[illegible]	373	[illegible]	10[illegible]	3[illegible]	[illegible] R - "	
			73	04	137' R - water	
			87	-10	207' R - "	
			97	-20	246' R - "	
			116	-39	297' C - "	

Shore
373+00

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date 1/20/47 Survey of [illegible] - Redondo
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by [illegible] Notes [illegible] Date 10-28-'47
Indexed [illegible] Date ____ Map No. ____ Indexed [illegible] Date ____

F.B. 1290 PG. 243

F.B. 1290 PG. 244

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

Survey of Beach Erosion - Redondo Date _____ Date 1200/47 No. _____

Survey by H. Lemeck Notes GWL 10/28/47 Notes Chkd. _____ Checked _____

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

Profile

X-Sec.

Shore
378+00

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
378+00	1.42	1137		1/5	1x1 SEC 0.6' up.
			50		2" C - Sand
			68		2" C - "
			72		
			80		1/2" C - water
			75		2" C - "
			100		2" C - "
			100		2" C - "

Comp. line 3.2-90' F.S. on 5-27"

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
373	5-21	1	R	9 45	89 30	Range Pt 90°	
400		2	Y		90 15		
		3	W		91 00		
		4	Y		90 10		
		5	W		90 15		
		6	R	9 51	90 40		
		7	Y		90 50		
		8	W		90 00		
		9	Y		90 45		
		10	W		90 00		
		11	R	9 55	90 10		
		12	Y		89 40		

Range
373+00

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division H.U.M.H. F.B. 1290 Pg. 245
No. ____ Date ____ Date 1/25/47 Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd ____ Checked ____ Survey by Meinert Notes J.W.S.M. Date 10-21-47
No. ____ Date ____ Date ____ Map No. ____ Indexed A.C. Johnson Date ____

F.B. 290 PG. 246

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

Survey of Beach Erosion - Redondo Date _____ Date Nov/47 No. _____

Survey by Heineck Notes Moore 10/21/47 Notes Chkd. _____ Checked _____ X-Sec.

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

Range
378+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.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.		Remarks
378 +00	5-27	1	R	10 37	89 00	Range ∡ 90°	
		2	Y		89 30		
		3	W		90 15		
		4	Y		90 45		
		5	W		91 00		
		6	R	10 42	91 40		
		7	Y		91 30		
		8	W		90 50		
		9	Y		91 05		
		10	W		91 50		
		11	R	10 46	90 10		
		12	Y		91 50		
		13	W		89 50		
		14	Y		93 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.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
363 +00	S-26	1	R	9:45	52°20	Range Line 373 +00	
		2	Y		50 25		
		3	W		48 30		
		4	Y		46 20		
		5	W		43 35		
		6	R	9:50	41 35		
		7	Y		38 40		
		8	W		36 10		
		9	Y		33 15		
		10	W		29 05		
		11	R	9:55	27 20		
		12	Y		25 50		

Cut in.
373+00

Profile
No. Notes Red. Plotted H. U. M. H. Job No. 4812 Division No.
Date Date Nov/47 Survey of Beach erosion - Redondo
X-Sec. Notes Chkd. Checked Survey by Kleineck Notes Newack Date 10-21-47
No. Date Date Map No. Amdd. Jan. Date 10-21-47

F.B. 1240 PG. 247

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 290 PG. 248 | Job No. 4812 Division No. | Notes Red. | Date | Plotted H. U. M. H. | Profile No.
Survey of Beach Erosion - Redondo | Date | Date Stamped | X-Sec. No.
Survey by Kleineck Notes Nowacki 10-21-47 | Notes Chkd. | Checked | Date
Indexed C. Johnson Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
363 +00	S-26	1	R	10:37	39°55'	Range Line 378+00
		2	Y		37 20	
		3	W		35 25	
		4	Y		34 00	
		5	W		32 25	
		6	R	10:41	31 00	
		7	Y		29 05	
		8	W		27 00	
		9	Y		25 40	
		10	W		24 15	
		11	R	10:45	22 00	
		12	Y		21 25	
		13	W		19 45	
		14	Y		17 50	

Cut in 378+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.

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	9 45	28.1 / 31.1	29 8 L	3.8	26.0	373+00 going in
2	Y		27.2 / 30.0	28 1 L	3.8	24.3	
3	W		26.0 / 29.0	27 0 L	3.8	23.2	
4	Y		25.0 / 27.1	25 7 L	3.8	21.9	
5	W		23.8 / 27.0	24 9 L	3.8	21.1	
6	R	9 52	22.2 / 25.0	23 1 L	3.8	19.3	
7	Y		20.3 / 23.6	21 4 L	3.8	17.6	
8	W		18.3 / 21.1	19 2 L	3.8	15.4	
9	Y		15.7 / 21.1	17 8 L	3.8	14.0	
10	W		14.2 / 17.2	15 2 L	3.8	11.4	
11	R		12.2 / 15.5	13 3 L	3.8	9.5	
12	Y		9.6 / 12.0	10 0 L	3.8	6.2	
~~13~~	~~W~~						
~~14~~	~~Y~~						
~~15~~	~~W~~						
~~16~~	~~R~~						
17							
18							
19							

Boat
373+00

Profile
No. ____ Date ____ Notes Red. Lewis Plotted 11/3/47 Job No. 842 Division No. ____
X-Sec. Notes Chkd. [illegible] Date ____ Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date ____ Date ____ Survey by Meinert Notes Mitchell Date 10-21-'47
Map No. ____ Date ____ Date ____

F.B. 1390 PG. 249

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	10.38	28.1	292	3.9	25.3	378+00
2	Y		31.5	270	3.9	23.1	
3	W		26.0	265	3.9	22.6	
4	Y		29.0	247	3.9	20.8	
5	W		25.0	233	3.9	19.4	
6	R	10.42	29.5	219	3.9	18.0	
7	Y		23.8	201	3.9	16.2	
8	W		26.4	187	3.9	14.8	
9	Y		22.0	166	3.9	12.7	
10	W		26.0	157	3.9	11.8	
11	R	10.46	21.0	133	3.9	9.4	
12	Y		23.8	122	3.9	8.3	
13	W		19.3	90	3.9	5.1	
14	Y		21.7	73	3.9	3.4	
~~15~~	~~W~~		17.5				
~~16~~	~~R~~		21.0				
~~17~~	~~Y~~		15.8				
~~18~~	~~W~~		18.2				
~~19~~	~~Y~~		14.7				
~~20~~	~~W~~		17.7				

Boat
378+00

F.B. 1390 PG. 280

Job No. 8412 Division No. Notes Red. Two Plotted H.V.K.H. Profile
Survey of Beach Erosion - Redondo Date 11/8/47 No.
Survey by Meneck Notes H.G.K. 10-21-47 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

Profile No. _____ Notes Red. _____ Plotted H.U.M.H. Job No. 8412 Division No. _____ F.B. [illegible]
Date _____ Date Nov/47. Survey of Beach Erosion - Redondo
X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by Kleineck Notes GWK Date 10-27-'47
Date _____ Date _____ Map No. _____ Indexed C. Johnson Date 11-3-47

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
254+65	332	2057		1725	From pg. 57 F.B. 1290. - M.L.L.W. datum
			104	102	Top breakwater on range line 254+65
			108	98	" " " " 258+65
			109	97	" " " " 262+65
			334	1723	Check back onto 254+65.

ELEVATIONS ON "REDONDO BREAKWATER"

Readings taken at points where range lines cross

Oct. 27, 1947

G. Kleineck
J. Moore
R. Mitchell
~~G. Harris~~
A. Stangeland
C. Nowacki
H. Kraencke

Note:- See page 252.

FORM 307 10M 10-46

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

Note:- Profile notes for this area are continued in F.B. 1413, page 5.

FORM 307 10M 10-48

LOS ANGELES COUNTY SURVEYOR

7C