HYDROGRAPHIC SURVEY

FOR

BEACH EROSION STUDY

~1948~

Contd From F.B. 1413-250

rea Covered:-

From Sta. 312+65 (S)

To " 0+00 (N+S) incl.

N 8412 Sept. 1 – Oct. 20, 1948

ofile & Shore

ctions:-

Crumley & Party.

Blanchard & "

Shore Work

L.A. City

Page 211.

Stationing &

Sounding

Party:-

Kleineck

Moore

Mitchell

Stangeland

Haliscky

Nowacki

Raphael

McAroom

Olives

Survey Contd in F.B. 1501, Pg. 5

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

21

F. B. 5500 PG. 21

F. B. 1500 Pg. 3

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

Note: Any Additions or Changes on This Sheet Must 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 SIM 11-60

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Note: Any Additions or Changes on This Sheet Must 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. 1500 PG. 44

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	2.07	19.39		17.32	PK. SPK. & T. IN PAV. AT STAIRWAY F.B. 1290-5 x 158	
			2.5	16.9	11' RT. - TOP SLOPE	
			7.5	11.9	25 " - Toe SL.	
			8.9	10.5	46 " - Beach BRK.	
T.P.			11.83	7.56	68.8 " "	T.P. ON 1X2 OUT
T.P.	0.85	11.93	-	11.08	T.P. PT. ON ROCK - GRAIN #2	
T.P.	2.33	8.68	5.58	6.35	T.P.	
			5.1	3.6	100' RT	Water
			9.3	-0.6	135' "	
			11.0	-2.3	215 "	
			12.0	-3.3	235 "	

SHORE

~~$ 85 [illegible] 5 21"~~

Shore 312+65 (5)

Contd. From F.B. 1413-250

Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ 27 F.B. 1450 Pg. 5 ISPO

No. ____ Date ____ Date ____ Survey of BEACH EROSION - REDONDO

X Sec. ____ Notes Chkd. ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date (8-31-)-(9-1-)

No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date 9-14-61

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	1.23	19.40		18.17	PK. SPK. & T. IN PAV. - F.B. 1290-58, 157	
			1.2	18.2	11' RT. Top Bank	
			8.1	11.3	29 " Toe S2.	
			8.4	11.0	52' " Beach - Brk	
T.P.			11.90	7.50	78.0 " "	T.P. 1X2 - gone
T.P.	0.97	11.16		1.9	T.P. 1X2 80 Sout FROM 308+65	
			6.7	4.5	100' RT - Water	
T.P.	210	8.45	4.81	6.35	T.P.	
			8.4	[illegible]	130' RT	Break
			10.3	-1.8	170 "	
			12.3	-3.8	210 "	

SHORE
$ 90°
Shore 310+65 (S)

F.B. 1500 PG. 6 | 28 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of BEACH EROSION - REDONDO Date Date No. X-Sec.
Survey by C.V. CRUMLEY Notes CVC Notes Chkd. Checked
Indexed C. [illegible] Date (8-31-)-(9-1- Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
310 +65 (5)	5-20	1	R	9:32	88° 40'	RANGE LINE ∡ = 90°
		2	Y		91° 25'	
		3	W		89° 55'	
		4	Y		90° 20'	
		5	W		91° 05'	
		6	R	9:44	89° 50'	
		7	Y		90° 20	
		8	Y		90° 30	
		9	Y		90° 35'	
		10	W		91° 05'	
		11	R	9:47	91° 35'	
		12	Y		92° 30'	
		13	W		90° 00'	
		14	Y		91° 50'	
		15	W		89° 45'	
		16	R	9:52	91° 40'	

Profile Notes Ref. Plotted H.U.M.M. Job No. 8426 Division No. F.B./500 Pg. 7
No. Date Date Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. Checked Survey by [illegible] Date 9-1-48
No. Date Date Map No. [illegible] Date

Range 310+65 (5)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
308 +65 (5)	5-20	1	R	10:01	89° 45'	Range Line ∡ = 90°
		2	Y		89° 45'	
		3	W		90° 00'	
		4	Y		90° 10'	
		5	W		90° 20'	
		6	R	10:06	90° 40'	
		7	Y		90° 55'	
		8	W		91° 20'	
		9	Y		91° 00'	
		10	W		92° 55	
		11	R	10:10	90° 40'	
		12	Y		91° 50'	
		13	W		91° 40'	
		14	Y		92° 30'	
		15	W		95° 00'	

Range 308+65 (5)

F.B. 1500 Pg. 8 Job No. 847 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date No. X-Sec.
Survey by Alameck Notes H.R. 9-1-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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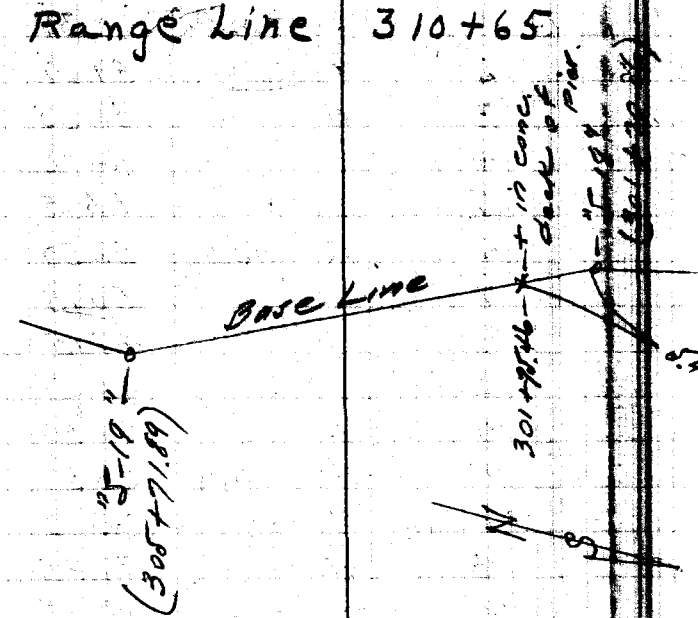
Do not extend notes this side of this line.

(3)

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
301+ 75.46 Aux. Inst. Sta.	S-19	1	R	9:32	50°05'	Range Line 310+65
		2	Y		49 00	
		3	W		48 10	
		4	Y		47 45	
		5	W		46 25	
		6	R	9:44	46 15	
		7	Y		44 50	
		8	Y		43 20	
		9	Y		41 20	
		10	W		40 20	
		11	R	9:47	38 45	
		12	Y		36 10	
		13	W		32 50	
		14	Y		29 20	
		15	W		27 05	
		16	R	9:52	25 20	

See Sketch



Cut-in 310+65 (5)

Profile Notes Red. Plotted H.U.M.M. Job No. 8412 Division No. F.B. 500 No. 9
No. Date Date Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey Klemeck Inspection 9/11/48
No. Date Date Map No. Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

(4)

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
30++	S-19	1	R	10:01	60°35'	Range line 308+65
75.46		2	Y		59 10	
Aux.		3	W		56 55	
Inst.		4	Y		54 30	
Sta.		5	W		53 15	
		6	R	10:06	52 50	
		7	Y		50 15	
		8	W		47 15	
		9	Y		43 55	
		10	W		41 30	
		11	R	10:10	38 30	
		12	Y		33 10	
		13	W		30 35	
		14	Y		27 35	
		15	W		25 50	

Cut-in 308+65 (S)
See preceding pg.

F.B. 1500 PG. 10
Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion Redondo Date No.
Survey by Kleineck Notes Nowacki 9-1-46 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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STATION #	B. S. Color	H. I. Time	F. S. Meas. Depth	ELEV. Botom	Ht. Tide	Adj. Depth	Remarks
1	R	933 8.33-S	[illegible]	544	4.3	50.1	Range Line 310+65
2	Y		44.4 47.2	479	4.3	43.6	
3	W		46.7 44.7	454	4.3	41.1	
4	Y		40.9 38.9	396	4.3	35.3	
5	W		35.5 33.4	341	4.3	29.8	
6	R	945 8.45-S	31.0 29.9	303	4.3	26.0	
7	Y		27.5 26.0	265	4.3	22.2	
8	Y		24.0 22.0	227	4.3	18.4	
9	Y		22.0 19.1	201	4.3	15.8	
10	W		19.2 17.1	178	4.3	13.5	
11	R	948 8.48-S	17.8 15.1	160	4.3	11.7	
12	Y		14.5 13.0	135	4.3	9.2	
13	W		12.8 11.0	116	4.3	7.3	
14	Y		10.2 8.3	89	4.3	4.6	
15	W		8.0 6.1	67	4.3	2.4	
16	R	953 8.53-S	7.8 5.1	60	4.3	1.7	

Boat 310+65(5)

Profile
No. ____ Date 10-4-48 Date ____ Notes Red LMM Plotted H.U.M.M. Job No. [illegible] Division No. ____
X-Sec. ____ Notes Chkd. RLR Checked ____ Survey of Beach Erosion - Redondo
No. ____ Date 10-5-48 Date ____ Map No. ____ Date [illegible]

F.B. 1500 Pg. 11

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. Meas.	F. S.	ELEV. Ht.		
# Color	Time	Depth	Botom	Tide	Adj. Depth	Remarks

Profile No. X-Sec. No.

Plotted Date Checked Date No.

Notes Red Date Notes Chkd Date

Division No.

Job No. Notes Date

Survey of

Survey by

Indexed

F.B. 1500 Pg. 12

FORM 307 SM 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	10 03 9.03-S.	56.3 54.8	553	4.3	51.0	Range Line 308+65
2	Y		52.1 50.8	512	4.3	46.9	
3	W		47.2 45.2	459	4.3	41.6	
4	Y		40.1 39.1	394	4.3	35.1	
5	W		33.0 32.0	323	4.2	28.1	
6	R		30.0 28.5	290	4.2	24.8	
7	Y		25.0 23.5	240	4.2	19.8	
8	W		21.0 19.7	201	4.2	15.9	
9	Y		17.8 16.5	169	4.2	12.7	
10	W		15.0 13.9	143	4.2	10.1	
11	R	10 12 9.12-S.	13.2 11.5	121	4.2	7.9	
12	Y		11.2 9.3	99	4.2	5.7	
13	W		9.2 7.0	77	4.2	3.5	
14	Y		7.3 5.2	59	4.2	1.7	
15	W	10 14 9.14-S.	7.0 4.5	53	4.2	1.1	
16	R						

Boot 308+65 (S)

Profile No. ____ Notes Red LCWC Plotted H.U.M.H. Job No. 8427 Division No. ____ F.B. 1500 Pg. 13
Date 10-4-48 Date ____ Survey of Beach Erosion - Redondo
X-Sec. No. ____ Notes Chkd. RLR Checked ____ Survey by [illegible] Date 10-5-48
Date 10-5-48 Date ____ Map No. ____ Indexed [illegible] Date ____

FORM 307 5M 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. Botom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	10 29 9.29-S	55 4 / 54 5	548	4.1	50.7	Range Line 306+65
2	Y		53 0 / 50 7	515	4.1	47.4	
3	W		48 2 / 46 5	471	4.1	43.0	
4	Y		43 0 / 41 0	417	4.1	37.6	
5	W		37 1 / 36 0	364	4.1	32.3	
6	R	10 34 9.34 S	33 2 / 31 0	317	4.1	27.6	
7	Y		30 0 / 27 7	285	4.1	24.4	
8	W		26 2 / 24 8	253	4.1	21.2	
9	Y		23 2 / 21 9	223	4.1	18.2	
10	W		22 5 / 20 0	208	4.1	16.7	
11	R	10 40 9.40-S	19 0 / 17 8	182	4.0	14.2	
12	Y		17 1 / 16 0	164	4.0	12.4	
13	W		15 1 / 13 0	137	4.0	9.7	
14	Y		12 1 / 11 0	114	4.0	7.4	
15	W		10 1 / 8 1	88	4.0	4.8	
16	R	10 44 9.44	7 1 / 5 6	61	4.0	2.1	
17	Y	10 45 9.45	6 8 / 4 5	53	4.0	1.3	

Boat 306+65 (5)

F.B. 1500 PG. 14

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

Survey of Beach Erosion - Redondo Date 10-4-48 Date X-Sec.

Survey by Weineck Notes R.M. 9-1-'48 Notes Chkd. R.L.R. Checked No.

Indexed A. C. Johnson Date Date 10-5-48 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.		
308+65	2.28	21.34		19.06	PK. SPK. & T IN PAV. - F.B. 1290-58, 155	
			2.2	19.1	8' RT. TOP Bank - N. Si. steps	
			7.4	13.9	17' " TOE SL. - Bot. steps	
			9.4	11.9	35' " Beach - BRK. "	
			10.6	10.7	48' " " "	
T.P.	1.24	11.43	11.15	10.19	80.6 " " " 1X2 - T.P.	
T.P.	196	8.51	5.38	6.05	T.P.	
			0.3	7.7	100' RT	
			6.2	1.8	135 " Water	
x			9.6	-1.6	180 " Brook	
x			10.5	-2.5	204	
x 172 -1.1			12.3	-4.3	230	
190						
225						
252						
280						

SHORE
S 70'
Shore 308+65 (B)

Profile Notes Red. Plotted H.U.M.K. Job No. 8412 Division No. 29 F.B. 1500 Pg. 15
No. Date Survey of BEACH EROSION - REDONDO
X Sec. Notes Chkd. Checked Survey by C.V.C. Notes C.V.C. Date 9-1-48
No. Date Map No. Indexed Date

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	0.34	21.33		20.99	PK. SPK. & T. IN PAV. - F.B. 1290 -	
			0.3	21.0	10' RT. Top Bank	
			10.0	11.3	37 " Toe SL.	
			10.6	10.7	50' " Beach	
T.P.	1.49	11.84	10.98	10.35	91.7 " "	BRK-T.P. 1x2
~~T.P.~~			2.2	[illegible]	100' R.T.	
T.P.	2.12	8.53	5.43	[illegible]	T.P.	
			5.2	[illegible]	135' RT.	
			9.8	[illegible]	177' "	
			11.6	[illegible]	200' "	
			11.7	[illegible]	[illegible] "	

SHORE
∡ 90°
Shore 306+65 (S)

F.B. 1500 PG. 16 | 30
Job No. 8412 Division No. ____ Notes Red. ____ Plotted H.U.M.H. Profile
Survey of BEACH EROSION - REDONDO Date ____ Date ____ No. ____
Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date 9-1-48 Date ____ Date ____ No. ____

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
306 +65 (S)	5-20	1	R	10:28	90° 00'	Range Line ∡ = 90°
		2	Y		90° 00'	
		3	W		90° 10'	
		4	Y		90° 40'	
		5	W		90° 45'	
		6	R	10:33	90° 50'	
		7	Y		90° 30'	
		8	W		90° 55'	
		9	Y		91° 15'	
		10	W		91° 00'	
		11	R	10:38	91° 00	
		12	Y		90° 30'	
		13	W		92° 35'	
		14	Y		90° 45'	
		15	W		93° 10'	
		16	R	10:42	90° 00'	
		17	Y		96 00	

Range 306+65 (S)

Profile No. ____ Notes Red ____ Plotted M. U. M. M. Job No. 8412 Division No. ____ F.B./500 Pg. 17
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion - Redon 20
Notes Chkd. ____ Checked ____ Survey by [illegible] Date 9-1-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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

F.B. 1500 Pg. 18

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

Survey of ____ Date ____ Date ____ No. ____

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

Indexed ____ Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks	
302 +18.16 (Base Line)	S-19	1	R	10:28	81° 25'	Range Line	306+65
		2	Y		79 35		
		3	W		77 35		
		4	Y		76 00		
		5	W		75 10		
		6	R	10:33	73 45		
		7	Y		71 10		
		8	W		69 05		
		9	Y		66 05		
		10	W		62 25		
		11	R	10:38	58 40		
		12	Y		54 30		
		13	W		51 05		
		14	Y		44 25		
		15	W		38 05		
		16	R	10:42	33 15		
		17	Y		30 10		

15' offset line to South of ℄ of Grain #1

Cut-in 306+65 (5)

Profile No. ____ Date ____ Notes Red. ____ Plotted H.U.M.M. Job No. 8412 Division No. ____ F.B. 1500 Pg. 19

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 9/11/48

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

FORM 307 SM 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 Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.		Remarks

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red Date Notes Chkd Date

Division No. Job No.

Notes Date

Survey of

Survey by

Indexed

F.B. 1500 PG. 20

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.		
T.P.	0.84	12.72		11.88	"+" IN ROCK ℄ GROIN #1	
302+18.16			2.78	9.94	1X2 STK. 15' S. ℄ GROIN #1	
			3.3	8.9	12' R.T.	
			7.5	5.2	43' "	
			9.7	3.0	61' "	Water
			12.5	0.2	92' "	
T.P.	2.35	8.14	6.93	5.79	T.P.	
			9.2	-1.1	102 "	
			10.1	-2.0	125 "	
			10.5	-2.4	130 "	

S/S. GROIN #1 SHORE
~~[illegible]~~
Shore 302+18.16
(15' So. of ℄ of Groin #1)

Profile Notes Red ____ Plotted H.U.M.M. Job No. 8418 Division No. ____ 31 F.B. 1500 PG. 21
No. ____ Date ____ Survey of BEACH EROSION - REDONDO
X-Sec. Notes Chkd ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 9-1-48
No. ____ Date ____ Date ____ Map No. ____ Date ____

F.B. 1500 PG. 22 | 32

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

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

Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date 9-1-48 Date _____ Date _____ No. _____

SHORE -
GROIN #1 ℄
∡ 104°-27' ON "S-19"
Shore 302+02.67
(℄ of Groin #1)

STATION	B.S.	H.I.	F.S.	ELEV.	
302+02.67	0.84	12.72		11.88	"+" ON ROCK ℄ GROIN #1 - S. Side PIER -
			1.7	11.0	19' RT
			3.6	[illegible]	30' "
			5.2	[illegible]	62' "
			5.5	7.2	75' "
			7.8	4.4	81' "
			6.5	6.2	85' "
			7.5	5.2	105' "
			9.2	3.5	107' "

DID NOT TAKE SHOTS FARTHER OUT
a/c. Barnacles & Breakers

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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.		
-	0.84	12.72		11.88	"+" ON ROCK ℄ GROIN #1	
301+87.18			2.67	10.05	1X2 STK. 15' No. ℄ GROIN	- Beach N/S.
			3.8	8.9	11' RT	Beach Bar
			7.0	5.7	32 "	
			10.3	2.4	53 "	Water
			12.0	0.7	67 "	

DID NOT GO ANY FARTHER
S/C ROCKS & PIER Bents WITH
Barnacles - SEE 'BOAT
SOUNDINGS' FOR S/S PIER.

SHORE
N/S GROIN #1
℄ 104°-27' ON "S-19"
Shore 301+87.18
(15' No. of ℄ of Groin #1)

Profile Notes Red. ____ Plotted M.U.M.M. Job No. 8412 Division No. 33 F.B. 1500 Pg. 23
No. ____ Date ____ Survey of BEACH EROSION REDONDO
X-Sec. Notes Chkd. ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 9-1-48
No. ____ Date ____ Date ____ Map No. ____ Amended Johnson 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.	
				(?)	* See below
296+65	1.01	1548 ~~17.14~~		14.47 ~~16.13~~	TOP of RE-VETMENT. - F.B. 1290-130 CROSS ON ROCK - ON RANGE LINE 10' RT
T.P.	1.72	7.92 ~~8.68~~	10.18	5.30 ~~6.96~~	T.P. PT of Rock Base of Rock-REVET.
			1.8	[illegible]	25' RT - FROM TRUE LINE - Toe S. - Beach.
			7.2	[illegible]	65 "
			9.1	[illegible]	95 "
			10.6	[illegible]	125 "
			12.0	[illegible]	135 "

* Note: Elev. 16.13 was on old mark. New mark in this Survey is on a different rock Elev. of which is 14.47
- Kleineck.

SHORE
∡ 86°-37' on "S-16"
Shore 296+65 (5)

F.B. 1500 PG. 24 | 34 Job No. 8412 Division No. Notes Red. Date Plotted M.U.M.H. Date No. Profile
Survey of BEACH EROSION - REDONDO Date Checked No. X-Sec.
Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. Date No.
Indexed A. C. Johnson Date 9-2-48

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
302	S-19	1	R	7:36	104°00'	RANGE LINE ∡ = 104° 27'	
+18.16		2	Y		104°40'		
		3	W		105°25'		
		4	Y		104°35'		
		5	W		104°50'		
		6	R	7:40	104°45'		
		7	Y		104°45'		
		8	W		104°20'		
		9	Y		105°00'		
		10	W		105°00'		
		11	R	7:45	105°15'		
		12	Y		105°30'		
		13	W		104°30'		
		14	Y		105°30'		
		15	W		104°55'		
		16	R	7:50	105°10'		
		17	Y		106°00'		
		18	W		105°40'		
		19	Y		106°20'		
		20	W		105°00'	End.	

SO. LINE OF GROIN No. 1 (15' 50. of ℄ of Groin @ 90°)

Range 302+18.16 (S)

Profile No. ____ Notes Red ____ Plotted ____ Date ____ Survey of BEACH EROSION - REDONDO Date 9-1-48

Map No. ____ Date ____ Date ____ Date ____

F. 7500 Pg. 25

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
296 +65	296 +65	1	R	8:15	00° 00'	RANGE LINE ∡ = 180°
		2	Y		00° 00'	
		3	W		35° 40'	
		4	Y		00° 00'	
		5	W		00° 00'	Inside of Horseshoe pier.
		6	R	8:23	00° 00'	
		7	Y		00° 00'	
		8	W		00° 00'	
		9	Y		00° 00'	
		10	W		00° 00'	
		11	R	9:37	180° 00'	12' OUT from P.O.T. B' on range line.
		12	Y		180° 00'	
		13	W		178° 20'	
		14	Y		184° 10'	
		15	W		180° 40'	
		16	R	8:51	183° 40'	
		17	Y		176° 20'	Outside of pier.
		18	W		180° 20'	
		19	Y		181° 00'	
		20	W		180° 10'	

Range 296 +65 (S)

Pier = P.O.T. B' F.B. 1184/5 On outer edge of Redondo

= Point "B" on base-line F.B. 1184/5

CONTINUED next pg.

F.B. 1500 Pg. 76

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

Survey of ____ Date ____ Date ____ No. ____

Survey by ____ Notes 9-1-48 Notes Chkd. ____ Checked ____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
296	296	21	R	8:58	179°30'	Cont'd from preceding pg.
+65	+65	22	Y		179°40'	
	=Pt.	23	W		178°40'	
	"B"	24	Y		176°40'	

Cont'd from preceding page.

Range 296+65(S)

Profile Notes Red. ____ Plotted H.U.M.M. Job No. 8412 Division No. ____ F.B. 1500 Pg. 27
No. ____ Date ____ Date ____ Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] 9-1-48
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

FORM 307 SM 1-46

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

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

Do not extend notes this side of this line.

F.B. 1500 Pg. 28

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

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

Survey of _____

Survey by _____

Indexed _____

STATION			B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight 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 "S-19"	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
305+71.89	S-20	1	R	7:36	105°10'	Range Line 302+18.16
		2	Y		106 30	
		3	W		107 45	
		4	Y		108 10	
		5	W		109 15	
		6	R	7:41	109 40	
		7	Y		110 00	
		8	W		110 15	
		9	Y		111 10	
		10	W		112 05	
		11	R	7:45	113 40	
		12	Y		114 55	
		13	W		116 00	
		14	Y		118 05	
		15	W		120 05	
		16	R	7:50	121 45	
		17	Y		124 45	
		18	W		127 40	
		19	Y		131 10	
		20	W		136 20	

Cut-in 302+18.16 (5)

15' offset to Sum of Drain #1

Profile Notes Red. Plotted M.U.M.M. Job No. 8412 Division No. F.B. 550 Pg. 29
No. Date Date Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. Checked Survey by Kleinecke Newman Date 9/1/48
No. Date Date Map No. Indexed Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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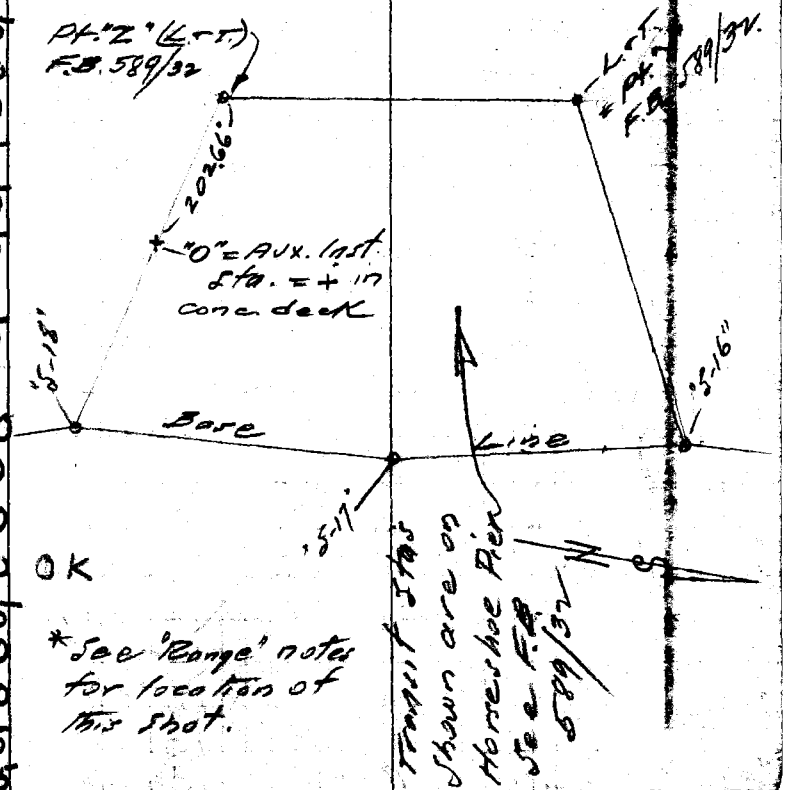
STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
"O"	S-18	1	R	8:16	251°50'	Range Line 296+65 (Across Redondo Pier)
See Sketch		2	Y		243 10	
		3	W		243 05	Pt. "Z" (L.+T.) F.B. 589/32
		4	Y		239 50	
		5	W		233 50	
		6	R	8:23	230 15	
		7	Y		227 45	
		8	W		224 45	"O" = Aux. Inst. Sta. = + in conc. deck
		9	Y		219 15	
		10	W		214 35	
Pt. "Z"	S-18	11	R		*	
See Sketch		12	Y		220 20	
		13	W		206 20	
		14	Y		201 40	
		15	W		194 20	OK
		16	R	8:51	196 05	
		17	Y		186 20	*See "Range" notes for location of this shot.
		18	W		184 50	
		19	Y		183 15	
		20	W		178 35	
		21	R	8:58	175 40	Cont'd on next pg.



Cutin 296+65 (S) See Sketch

F.B. 1500 Pg. 30 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion - Redondo Date No. X-Sec.
Survey by Kleineak Notes Nowacki 9/1/48 Chkd. Checked
Indexed 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.

Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
Pt "Z"	S-18	22	Y		173°15'	Range Line 296+65
		23	W		170 20	(continued)
		24	Y		166 40	

Profile Notes Red. ____ Plotted H.U.M.M. Job No. 8412 Division No. ____ F.B. 1500 Pg. 31
No. ____ Date ____ Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleineck Note Mawacki Date 9/1/48
No. ____ Date ____ Map No. ____ Date ____

Curtis 296+65 Contd.

F.B. 1500 PG. 32

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

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ 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.		
Inst Sight						
At On #		Color	Time	Hor. Ang.		Remarks

Miss

FORM 307 3M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

①

STATION	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	R	7.36	57.5	563	3.4	52.9	Range Line 302
2	Y	6.36-S.	53.9	536	3.4	50.2	
3	W		52.0	508	3.4	47.4	
4	Y		46.8	472	3.4	43.8	
5	W		43.3	425	3.4	39.1	
6	R	7.41	39.7	389	3.5	35.4	
7	Y	6.41-S.	35.1	358	3.5	32.3	
8	W		31.5	319	3.5	28.4	
9	Y		29.6	297	3.5	26.2	
10	W		26.5	257	3.5	22.2	
11	R	7.45	22.7	225	3.6	18.9	
12	Y	6.45-S.	21.8	211	3.6	17.5	
13	W		20.5	195	3.6	15.9	
14	Y		19.0	173	3.6	13.7	
15	W		17.9	157	3.6	12.1	
16	R	7.50	13.5	140	3.7	10.3	
17	Y	6.50-S.	12.5	124	3.7	9.2	
18	W		10.2	105	3.7	6.8	
19	Y		9.5	89	3.7	5.1	
20			8.5	79	3.7	2.4	
			3.6	1			

15' @ 90° to south of line of group #1

Boat 302 4/16/53

Profile No. X-Sec. No.

Notes Red Lowe Plotted H.L.M.M. Job No. Bay Subdivision No.

Date 10-5-48 Date Survey of Beach Estates

Notes Chkd. R.L.R. Checked Survey by

Date 10-5-48 Date Map No. Indexed Date

F.B. 180 Pg. 33

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. 1500 PG. 34 Profile

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

Survey by Hunter Notes TMEB 9-1-48 Plotted U.M.H. Date

Indexed C. Johnson Date Notes Chkd. RLR Checked Date 10-5-48

STATION	Color	B. S. Time	Mean Depth	F. S. Botom	ELEV. Ft. Tide	Adj. Depth		Remarks
1	R	8.16 7.16-S	6.7 4.5	5.2	4.0	1.2	Boat 296+65 (S)	Range Line 296+65 (Going out)
2	Y		6.0	6.6	4.0	2.6		
3	W		7.5	8.3	4.0	4.3		
4	Y		9.4	9.4	4.0	5.4		
5	W		10.9	11.1	4.0	7.1		
6	R	8.25 7.25-S	11.0	11.7	4.1	7.6		
7	Y		12.0	13.0	4.1	8.9		
8	W		13.0	13.7	4.1	9.6		
9	Y		14.0	14.7	4.2	10.5		
10	W		15.3	15.8	4.2	11.6		
11	R	9.37 8.37-S	18.0	18.4	4.3	14.1		
12	Y		19.5	20.1	4.3	15.8		
13	W		21.1	21.7	4.3	17.4		
14	Y		22.2	22.9	4.3	18.6		
15	W		22.4	23.1	4.3	18.8		
16	R	9.51 8.51-S	24.0	24.4	4.3	20.1		
17	Y		26.0	26.5	4.3	22.2		
18	W		28.5	29.0	4.3	23.7		
19	Y		29.2	29.8	4.3	25.5		
20	W		32.0	32.5	4.3	28.2		

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. Meas.	F. S.	ELEV.			
#	Color	Time	Depth	Bottom	Tide	Adj. Depth		Remarks
21	R	8.59 7.59-5.	370 356	361	4.3	31.8		
22	Y		407 395	399	4.3	35.6		
23	W		470 449	456	4.3	41.3		Range line 296+65 (Cont)
24	Y		545 530	535	4.3	49.2		
	W							
	R							

Boat 296+65 Cont'd

Profile No. ____ Date 10-5-48 Notes Red. [illegible] Plotted H.U.M.M. Job No. 847 Division No. ____ F.B. 1500 Pg. 35
X-Sec. No. ____ Date 10-5-48 Date ____ Survey of Beach Erosion - Redondo
Notes Chkd. [illegible] Checked ____ Survey by [illegible] Date [illegible]
No. ____ Date 10-5-48 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 #	Color	B. S. Time	H.I. Meas. Depth	F. S. Botom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	9 33	53.7 55.8	54 3			Range Line 310+65
2	Y		49.4 47.2	47 9			
3	W		46.7 44.7	45 4			
4	Y		40.9 38.9	39 6			
5	W		35 5 33 4	34 1			
6	R	9 45	31 0 29 9	3			copied on to another sheet G.W.K.
7	Y		27 5 26 0	26 5			
8	Y		24 0 22 0				
9	Y		22 0 19 1				
10	W		19 4 17 8				
11	R	9 48	17 8 15 1				
12	Y		14 5 13 0				
13	W		12 8 11 0				
14	Y		10 2 8 3				
15	W		8 0 6 1				
16	R	9 53	7 8 5 1				
17	Y						
18	W						
19	Y						

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

F.B. 1500 PG. 36

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.		
					F.B. 1290-129	
292+65	0.52	20.13		19.61	N&T. IN PRE-MIX PAV. ON 2' OFFSET West (RT.)	
			0.93	19.20	21' RT. W. edge PAV.	
			0.05	20.08	23' RT. TOP ROCK Wall	
			1.68	18.45	25.4 " " " "	- BREAK
			2.10	18.03	28' " " " "	"
			3.7	16.4	29' "	
			6.2	13.9	43' "	ROCK FILL - REVETMENT
T.P			11.00	9.13	49' "	PT. of Rock on Conc. Slab. IN REVET.
						HIGH Water and HAZARDS HINDERS
						GOING OUT ON THIS STA.

SHORE
~~[illegible]~~
Shore 292+65 (S)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. 35 F.B. 1520 Pg. 37
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION - REDONDO
Notes Chkd. ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 9-1-2-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 10M 10-46

35

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

18.5
6.1
24

17.53

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
					∡ PT. ~~S-14~~ S-15 289+33.57
S-15	2.03	23.88		21.854	Cut spk. W. & T. F.B. 1290-57
			0.53	23.35	CROSS-TOP CONC. Wall 3.87 S. of STA.
288+65			6.35	17.53	1X2 ENET - Flush 3.87 N. of Wall
			8.1	15.8	22' RT - ROCK FILL - RE-VET
			0.52	23.36	" " - TOP W. end CONC. Wall - 1.8 South of RANGE LINE
			7.9	16.0	28' RT. TOP SLOPE of ROCK FILL
T.P.	0.11	12.45	11.54	12.34	T.P. PT. of ROCK ON CONC BLOCK ± 32' RT.
T.P.	2.63	6.87	8.21	4.24	T.P.
			4.2	2.9	51' RT - Beach - Toe SL. of ROCK RE-VET - Water
			6.5	0.4	68' "
			9.6	-2.7	115' "
			10.2	-3.3	125' "

SHORE
∡ 86°00'00" S-15
Shore 288+65 (S)

F.B. 1500 PG. 38 | 36 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of BEACH EROSION - REDONDO Date No. X-Sec.
Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. Checked No.
Indexed A. C. Johnson Date 9-1-2-48 Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
292	S-16	1	R	8:32	76°00'	RANGE LINE ANGLE = 76°01'
+65		2	Y		76°35'	
(5)		3	W		76°10'	
		4	Y		75°50'	
		5	W		76°30'	
		6	R	8:38	76°45'	
		7	Y		76°20'	
		8	W		76°25'	
		9	Y		76°35'	
		10	W		76°55'	
		11	R	8:41	76°00'	
		12	Y		76°05'	
		13	W		76°30'	
		14	Y		75°45'	
		15	W		76°40'	
		16	R	8:47	76°20'	
		17	Y		75°10'	
		18	W		75°00'	
		19	Y		76°40'	
		20	W		72°50'	
		21	R	8:52	78°50'	

ON 2' OFFSET TO RIGHT

ON 2' OFFSET TO RIGHT

Range 292+65(5)

Profile No. ____ Notes Red ____ Plotted [illegible] Job No. [illegible] Division No. ____ F.B. 1000a. 39

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

Notes Chief ____ Checked ____ Date ____ Date 9-[illegible]-48

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

FORM 807 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
288	S-15	1	e	9:11	85° 40'	RANGE LINE ∡ = 86°
+65		2	Y		85° 00'	
(S)		3	W		85° 35'	
		4	Y		85° 55'	
		5	W		86° 00	
		6	R	9:18	85° 35'	
		7	Y		86° 05'	
		8	W		85° 30'	
		9	Y		86° 30'	
		10	W		86° 30'	
		11	R	9:26	86° 00'	
		12	Y		86° 00'	
		13	W		87° 10'	
		14	Y		89° 50'	
		15	W		89° 30'	

Range 288+65 (S)

F.B. 1500 PG. 40
Job No. 844 Division No. Notes Red. Plotted 11 M 14 Profile
Survey of Beach Erosion - Redondo Date Date No.
Survey by Wenck Notes H-R 9-8-48 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
276	S-14	1	R	8:32	35°05	Range Line 292 + 65 (S)
+65		2	Y		33 55	
		3	W		33 00	
		4	Y		32 20	
		5	W		31 45	
		6	R	8:38	30 55	
		7	Y		30 10	
		8	W		29 25	
		9	Y		28 15	
		10	W		27 30	
		11	R	8:41	26 20	
		12	Y		25 00	
		13	W		23 50	
		14	Y		22 00	
		15	W		20 00	
		16	R	8:46	18 25	
		17	Y		16 15	
		18	W		14 45	
		19	Y		13 30	
		20	W		12 00	
		21	R	8:51	11 10	

On 10' offset to left

On 10' offset to left

Cut is 292+65 (S)

Profile Notes Red. Plotted H.U.M.M. Job No. 8412 Division Wash.
No. Date Date Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey Kleinack & Newackin 9/9/48
No. Date Date Map No. 8-[illegible] Date

F.B. 150 Pg. 41

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

5

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
276+65	S-14	1	R	9:11	38°30'	Range Line 288+65 (S)
		2	Y		35 05	
		3	W		33 50	
		4	Y		31 45	
		5	W		29 10	
		6	R	9:18	25 20	
		7	Y		23 00	
		8	W		19 50	
		9	Y		17 10	
		10	W		14 45	
		11	R	9:26	13 30	
		12	Y		[illegible]25	
		13	W		[illegible]50	
		14	Y		10 00	
		15	W		8 40	

On 10' offset to left

On 10' offset to left

Cut in 288+65 (S)

F.B. 1500 PG. 42

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

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

Survey by Kleineck Notes Nowacki 9-8-68 Notes Chkd Checked

Indexed C. Johnson Date Date Date No.

FORM 307 5M 5-56

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
			560				
1	R	8 33	548	552	2.8	42.4	
		7 33-S	522				
2	Y		512	515	2.8	48.7	Range Line 292+65
			464				
3	W		455	458	2.8	43.0	
			412				
4	Y		402	405	2.8	37.7	
			363				
5	W		353	356	2.8	32.8	
			333				
6	R	8 39	326	328	2.8	30.0	
		7.39-S	301				
7	Y		291	294	2.8	26.6	
			280				
8	W		270	273	2.8	24.5	
			256				
9	Y		247	250	2.8	22.2	
			236				
10	W		225	229	2.8	20.1	
			220				
11	R	8 42	210	213	2.8	18.5	
		7 42-S	207				
12	Y		197	200	2.9	17.1	
			197				
13	W		184	188	2.9	15.9	
			178				
14	Y		168	171	2.9	14.2	
			160				
15	W		148	152	2.9	12.3	
			148				
16	R	8 47	133	138	2.9	10.9	
		7.47-S	120				
17	Y		110	113	2.9	8.4	
			108				
18	W		95	99	2.9	7.0	
			90				
19	Y		80	83	2.9	5.4	
			63				
20	W		48	53	2.9	2.4	
		7.52-S					
	R	8 52	38	43	2.9	1.1	

Boat 292+65 (S)

Profile No. X-Sec. Notes Red 2000 Date 10-5-48 Plotted B.U.M.M. Date Job No. 8444 Division No. Survey of Beach Erosion Recorded Notes Chkd Date Checked Date Survey by Map No. Date

F.B. 1000 Pg. 13

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. 1500 PG. 44

Job No. 5412 Division No. Notes Red. Plotted M.H.H. Profile No.
Survey of South Ensign - Redondo Date 10-5-48 Date X-Sec. No.
Survey by Weiner & Jones Notes Chkd. R.L.R. Checked
Indexed C. Johnson Date 10-5-48 Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	9 12	279	283	3.1	25.2	
2	Y	8 12-S	263	259	3.1	22.8	Range line 288+65
3	W		257	245	3.1	21.4	
4	Y		253	236	3.1	20.5	
5	W		244	215	3.1	18.4	
6	R	9 19	232	194	3.2	16.3	
7	Y	8 19-S	222	176	3.2	14.4	
8	W		212	157	3.2	12.5	
9	Y		201	134	3.2	10.2	
10	W		190	115	3.2	8.3	
11	R	9 27	184	100	3.3	6.7	
12	Y	8 27-S	172	85	3.3	5.2	
13	W		163	63	3.3	3.0	
14	Y		154	52	3.3	1.9	
15	W		141	31	3.3	+0.2	
16	R		130				
17	Y		122				
18	W		111				
19	Y		107				
20	W		97				
			92				
			77				
			59				
			47				
			40				
			27				

Boat 288+65 (S)

FORM 307 10M 10-46

5.2
5.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
	1.51	19.04		17.53	1X2 N.&T. STA 288+65-PRESEDEING PG.
284+65			7.29	11.75	CROSS ON N.E. COR. 12"X16" CONC. BLOCK ± 10' E. of ROCK BRK-Water
SEE F.B. 1290-121			7.1	11.19	10.0 RT-TOE SLOPE ON RANGE LINE
			2.01	17.03	13.9 RT CROSS ON E. FACE ROCK
			2.1	16.9	17.1 " TOP ROCK BRK-WATER
			1.25	6.5	33' RT TOE SLOPE " "
T.P.	0.75	8.45	11.34	7.70	PT. ON ROCK NEAR BASE ROCK- BRK-Water
			4.3	4.2	50' RT- Beach-Water
			7.4	1.1	79 "
			10.0	-1.5	95 "
			11.5	-3.0	112 "

SHORE
X-86°-00 ON "S-15"
Shore 284+65(S)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. 37 F.B. 1500 Pg. 45
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION - REDONDO
Notes Chkd. ____ Date ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 9-2-48
Map No. ____ Date ____ Amended 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.

9.87

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
	7.57	19.32		11.75	CROSS ON CEMENT BLOCK STA-284+65-	
280+65			5.57	13.75	CROSS ON CONC. BLOCK ON 10' OFFSET East (LT.)	
"			72	12.1	10' RT- TRUE LINE	
			79	11.4	7 " FROM " "	
			1.41	17.91	16 " " "	Top Rock REVET
			3.05	16.27	22 " "	" " "
			10.7	8.6	40 "	Toe Slope " Beach
T.P.	1.37	10.82	9.87	9.45	T.P. PT ON ROCK. NEAR Toe SL.	
T.P.	2.88	8.79	4.91	5.91	65' RT Beach "	T.P.
			4.5	4.3	75 " "	Water
			8.6	0.2	135 "	
			11.7	-2.9	143 "	

SHORE
#95-06 ON "S-14"
Shore 280+65 (S)

F.B. 1500 Pg. 46 | 38 | Job No. 8412 | Division No. | Notes Red. | Plotted H.U.M.H. | Profile
Survey of BEACH EROSION - REDONDO | Date | Date | No. | X-Sec.
Survey by C.V. CRUMLEY | Notes C.V.C. | Notes Chkd. | Checked | No.
Indexed C. Johnson | Date 9-3-48 | Date | Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

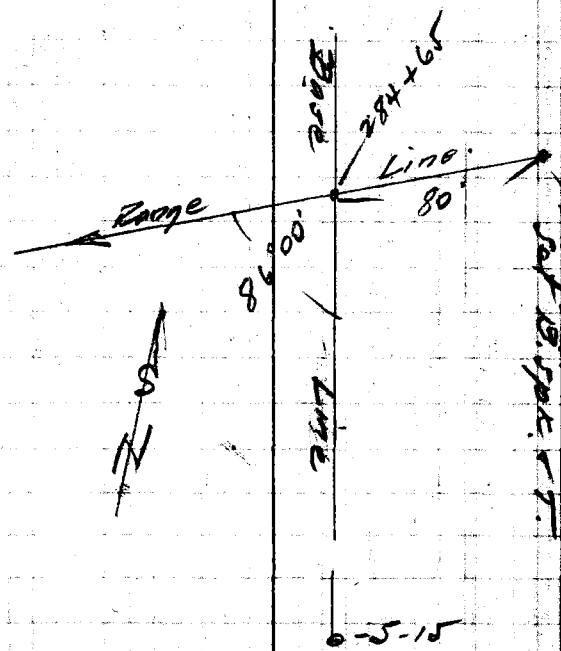
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
284 +65 (S)	284 +65 (S)	1	R	9:39	359°40'	Range Line 284+65
		2	Y		359°55'	
		3	W		00°10'	∡ = 86° AT BASE LINE (F.S. on S-15)
	BASE	4	Y		359°40'	
	LINE	5	W		359°40'	
		6	R	9:47	359°50'	
		7	Y		359°40'	
		8	W		00°40'	
		9	Y		00°15'	
		10	W		01°00	
		11	R	9:52	00°20'	
		12	Y		359°10'	
		13	W		357°40'	
		14	Y		357°20'	

Inst. 80' TO LEFT OF BASE LINE ON RANGE LINE

F.S. taken at 0°00'



Range 284+65 (S)

Inst. Sta. Set 13 Spk. & T.

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8476 Division No. ____ F.B. 1600 PG. 47

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

X-Sec. Notes Chkd. ____ Checked ____ Survey by Stanley Date 9-8-48

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

F.B. 1500 Pg. 48 Job No. 8442 Division No. _____ Notes Red. _____ Plotted H.U.M.H. Profile

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

Survey by Meineck Notes H.P. 9-8-48 Notes Chkd. _____ Checked _____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At 280+65 (S)	On S-14					
ON 10' OFFSET TO LEFT OF LINE						
ON 10' OFFSET TO LEFT OF LINE						
Range 280+65(S)						
#	Color	Time	Hor. Ang.	Remarks		
1	R	10:10	95° 05'	RANGE LINE 4 = 95° 06'		
2	Y		95° 15'			
3	W		94° 50'			
4	Y		94° 50'			
5	W		95° 40'			
6	R	10:18	95° 15'			
7	Y		96° 00'			
8	W		95° 35'			
9	Y		96° 15'			
10	W		92° 05'			
11	R	10:25	90° 05'			
12	Y		90° 00'			
13	W		93° 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.

6

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
276+65	S-14	1	R	9:39	53°10'	Range Line 284+65 (S)
		2	Y		50 35	
		3	W		46 05	
		4	Y		42 10	
		5	W		38 00	
		6	R	9:46	33 30	
		7	Y		28 55	
		8	W		23 30	
		9	Y		18 30	
		10	W		15 50	
		11	R	9:52	14 20	
		12	Y		12 00	
		13	W		11 10	
		14	Y		9 20	

On 10' offset to left

On 10' offset to left

Cut in 284+65 (S)

Profile No. ____ Notes Red ____ Plotted H.U.M.M. Job No. 8412 Division No. ____ F.B. 1500 Pg. 49

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

Notes Chkd. ____ Checked ____ Survey by Kininack & Nowachin 9/8/48

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

7

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-14	1	R	10:10	72°35'	Range Line 280+65 (S)
		2	Y		70 50	
		3	W		65 45	
		4	Y		60 45	
		5	W		56 15	
		6	R	10:18	50 15	
		7	Y		43 40	
		8	W		36 10	
		9	Y		31 25	
		10	W		27 25	
		11	R	10:24	22 45	
		12	Y		19 30	
		13	W		16 20	

On 10' offset to left
Cut in 280+65 (S)

On 10' offset to left

F.B. 500 PG. 50
Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion - Redondo Date No. X-Sec.
Survey by Kleineck Notes Nowacki, g.B.E. 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		B. S. -	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	9 40	288 279	282	3.5 4	24.8	Range Line 284+65
2	Y	8.40-S	275 262	266	3.5 4	23.X 2	
3	W		254 245	248	3.5	21.3	
4	Y		244 230	235	3.5	20.0	
5	W		225 215	218	3.5	18.3	
6	R	10 48	208 198	201	4.5 4	15.8 7	
7	Y	9 48-S	188 178	181	4.5 4	13.6 7	
8	W		168 155	159	4.5 4	11.4 5	
9	Y		141 132	135	4.5	8.0 9	
10	W		110 99	103	4.5	5.8	
11	R	10 53	100 80	87	4.5	4.2	
12	Y	9.53-S	85 70	75	4.5	3.0	
13	W		63 50	54	4.5	0.9	
14	Y		33 18	23	4.5	+2.2	
15	W						
16	R						
17	Y						
18	W						
19	Y						
20	W						

Boot 284+65 (S)

Profile No. ____ Notes Red Lower Plotted H.U.M.H. Job No. 84126 Division No. ____ F.B. 1500 Pg. 51
X-Sec. No. ____ Date 10-5-48 Date ____ Survey of Beach Erosion - Redondo
Notes Blue R.L.B. Checked ____ Survey by [illegible] Date 9-8-48
No. ____ Date 10-5-48 Date ____ Map No. ____ Date ____

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 1500 PG. 52

Job No. 241 76 Division No. Beach Frontage — Redondo Notes: Bd. Plotted H.U.M.H. Date 10-5-48 No. Profile

Survey of Beach Frontage Date 10-5-48 Notes Chkd. RLR Checked Date 10-5-48 No. X-Sec.

Survey by Meuser Notes TYPE B 42 42

Index C. Johnson Date

STATION #	Color	Time	B.S.	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks	
1	R	1011	911-S.	288 280	283	3.9	24.4		
2	Y			271 262	265	3.9	22.0	Bridge Line	280+65
3	W			255 245	248	3.9	20.9		
4	Y			242 225	230	3.9	19.1		
5	W			222 210	214	3.9	17.5		
6	R	1019	919-S	205 195	197	4.0	15.7		
7	Y			185 175	177	4.0	13.7		
8	W			165 155	160	4.0	12.0		
9	Y			150 135	140	4.0	10.0		
10	W			125 115	118	4.0	7.8		
11	R	1026	926-S	95 85	86	4.1	4.5		
12	Y			80 65	70	4.1	2.9		
13	W			45 30	35	4.1	+0.6		
14	Y								
15	W								
16	R								
17	Y								
18	W								
19	Y								
20	W								

Boat 280+65 (S)

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.		
276+65	4.41	22.08		17.67	1X2 STK ON 10' OFFSET E.	
			4.8	17.3	10' W. ON TRUE LINE - GRAVEL WALK	
			4.7	17.4	3' RT. FRONT TRUE LINE - E. TOE REVET.	
			2.74	19.34	6' " " " TOP REVETMENT	
			3.15	18.93	17 " " " CROSS-TOP " "	
T.P.	0.26	10.64	11.70	10.38	T.P. 33.1 RT. High PT. ON ROCK 5' S of CROSS ON Boulder ± 33.1 RT	
			4.2	6.4	29' RT. Beach - 4' Back of Large Boulder	
T.P.	3.26	7.37	6.53	4.11	T.P. - 50' RT - Beach - Water	
			9.1	-1.7	90' RT	
			10.2	-2.8	115 "	
			11.0	-3.6	137 "	

SHORE

Shore 276+65 (S)

Profile No. X-Sec. No. Notes Red Date Plotted H.U.M.H. Date Job No. 8412 Division No. 39 F.B. 1500 Pg. 53
Notes Chkd. Date Checked Date Survey of BEACH TRUSS - REDONDO
Survey by C.V.C. Notes C.V.C. Date 9-3-48
Map No. Date Date

FORM 307 10M 10-46 40

18.5

21

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

T. P. 12.10

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
272+65-10' LT.	5.27	22.59		17.32	CROSS IN WALK ON 10' OFFSET LINE East & ± 10' N. of DOOR TO HOUSE # 410
" "			5.08	17.51	STA. (~~10~~ 8.5 RT. @ CRACK. RT. of ABOVE CROSS.)
			3.97	18.62	5' RT of TRUE LINE TOP of Re-vetment.
T.P.	0.20	10.69	12.10	10.49	18.5 " RT. - CROSS ON ROCK ON RANGELINE
T.P.	2.21	5.87	7.03	3.66	T.P.
			3.3	2.6	28' RT. - Beach - Toe Rocks - Water
			7.6	-1.7	78' "
			8.7	-2.8	92 "
			9.0	-3.1	96 "

SHORE
∡ 95°-06' ON "S-14"
Shore 272+65(5)

F.B. 1500 PG. 54 | 40
Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of BEACH EROSION - REDONDO Date Date No. X-Sec.
Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. Checked
Indexed C. Johnson Date 9-3-48 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	S-14	1	R	10:49	95° 40'	RANGE LINE ∡ = 95°06'	
+65		2	Y		95° 10'		
(S)		3	W		95° 55'		
		4	Y		96° 00'		
		5	W		94° 50'		
		6	R	10:58	95° 20'		
		7	Y		94° 45'		
		8	W		95° 40'		
		9	Y		96° 20'		
		10	W		94° 05'		
		11	R	11:03	94° 20'		
		12	Y		93° 40'		
		13	W		95° 20'		
		14	Y		93° 40'		
		15	W		92° 30'		

ON 10' OFFSET TO LEFT OF LINE

ON 10' OFFSET TO LEFT OF LINE

Range 276+65 (S)

Profile No. ____ Notes Red ____ Plotted H.U.M.M. Job No. 8426 Division No. ____ F.B. 1500 Pg. 56

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 9-8-48

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

F.B. 1500 Pg. 56

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

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

Survey by Meineck Notes H.R. 9-8-'48 Notes Chkd. _____ Checked _____ X-Sec.

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

Range 272+65 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
272 S-14	1	R	11:27	94° 10'	RANGE LINE 4 = 95° 06'	
+65	2	Y		95° 40'		
(S)	3	W		95° 30'		
	4	Y		95° 25'		
	5	W		95° 05'		
	6	R	11:39	94° 40'		
	7	Y		94° 20'		
	8	W		95° 05'		
	9	R	11:44	97° 20'		
	10	Y		94° 30'		
	11	W		98° 50'		
	12	Y		96° 30'		
	13	W		101° 00'		

ON 10' OFFSET TO LEFT OF LINE

ON 10' OFFSET TO LEFT 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.

8

STATION Inst Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
272	S-14	1	R	10:49	76°15'	Range Line 276+65 (S)
+65		2	Y		7230	
		3	W		6945	
		4	Y		6545	
		5	W		6035	
		6	R	10:58	5520	
		7	Y		5135	
		8	W		4615	
		9	Y		3905	
		10	W		3110	
		11	R	11:02	2625	
		12	Y		2415	
		13	W		2020	
		14	Y		1545	
		15	W		1205	

On 10' offset to left

On 10' offset to left

Cut in 276+65 (S)

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1-50 Pg. 57

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

Notes Chkd. ____ Checked ____ Survey by ____ Date ____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

9

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
264+	S-14	1	R	11:27	61°05'	Range Line 272+65 (S)
+95.2		2	Y		56 00	
"S-13"		3	W		50 50	
LLT		4	Y		45 35	
true line		5	W		39 50	
		6	R	11:38	35 00	
		7	Y		30 20	
		8	W		24 30	
						Missed. See Boat.
		9	R	11:44	12 50	
		10	Y		10 15	
		11	W		7 50	
		12	Y		5 35	
		13	W		3 10	

Cut in 272+65 (S)

F.B. 1500 Pg. 58
Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date No. X-Sec.
Survey by Kleiweck Notes Nowacki 9-8-48 Notes Chkd Checked
Indexed Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	10:50 9.50-S	29.0 30.4	295	4.5	25.0	Range Line 276+65
2	Y		27.3 28.3	276	4.5	23.1	
3	W		25.7 26.7	260	4.5	21.5	
4	Y		23.5 24.8	239	4.5	19.4	
5	W		22.3 23.2	226	4.5	18.1	
6	R	10:59 9 59-S.	21.0 22.2	214	4.6	16.8	
7	Y		19.6 20.6	199	4.6	15.3	
8	W		18.2 19.5	186	4.6	14.0	
9	Y		16.5 17.5	168	4.6	12.2	
10	W		14.5 15.5	148	4.6	10.2	
11	R	11:04 10 04-S.	12.3 13.3	126	4.7	7.9	
12	Y		10.0 11.2	104	4.7	5.7	
13	W		8.0 9.5	85	4.7	3.8	
14	Y		6.0 7.5	65	4.7	1.8	
15	W		3.0 4.5	35	4.7	+1.2	
16	R						
17	Y						
18	W						
19	Y						
20	W						

Boot 276+65 (S)

Profile No. ____ Notes Red Pour Plotted H. U. M. H. Job No. 8442 Division No. ____ F.B. 1500 Pg. 59
Date 10-5-48 Date ____ Survey of Beach Erosion - Redondo
X-Sec. No. ____ Notes Chkd. R.L.B. Checked ____ Survey by [illegible] 9-8-48
Date 10-5-48 Date ____ Map No. ____ Andrew [illegible] Date ____

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 1500 Pg. 60 | Job No. 841 | Division No. | Notes Red. | Plotted | Profile No. | X-Sec. No.
Survey of Beach Erosion - Redondo | Date 10-5-48 | Date | Date
Survey by Hennek | Notes Chkd. RLR | Checked
Indexed C. Johnson | Date 10-5-48 | Date

STATION #	Color	Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks	
1	R	11 29	38.5	298	5.0	24.8	Range Line 272+65	
		10 29-S	29.8					
2	Y		27.9	283	5.0	22.9		
			27.1					
3	W		26.0	264	5.0	21.4		
			25.3					
4	Y		24.5	248	5.0	19.8		
			23.3					
5	W		22.9	231	5.0	18.1		
			22.2					
6	R	11 41	22.3	228	5.2	17.6		
		10 41-S	21.0					
7	Y		19.7	201	5.2	15.9		
			16.0					
8	W		15.3	155	5.2	10.3		
			17.2					
~~9~~	~~Y~~		~~16.4~~	~~?~~	~~(OU)~~		These shots missed on shore	
			~~15.7~~				No flags waved by recorder.	
~~10~~	~~W~~		~~14.3~~	~~?~~	~~(OU)~~			
			13.7					
9	R	1145	12.7	130	5.2	7.8		
		10 45-S	11.5					
10	Y		10.3	107	5.2	5.5		
			9.5					
11	W		8.5	88	5.2	3.6		
			6.4					
12	Y		5.0	55	5.2	0.3		
			5.0					
13	W		3.5	40	5.2	+1.2		

Boat 272+65 (5)

FORM 307 10M 10-46

41

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line. 20.7 3'N. 11.18 T.P.

STATION	B. S.	H. I.	F. S.	ELEV.		
268+65	5.01	22.05		17.04	10' LT of TRUE LINE -	CROSS IN Walk
			5.07	16.98	5' LT. of TRUE LINE - ON RANGE LINE - edge Walk	
					Walk HAS CAVED OFF AT TRUE LINE.	
			9.03	13.02	15.3 RT. of TRUE LINE -	CROSS TOP of ROCK REVET.
T.P.	1.05	11.92	11.18	10.87	T.P. PT. ON ~~BLACK~~ GREEN ROCK	20.7 RT of TRUE LINE
T.P.	5.30	8.92	8.30	3.62	T.P.	
			6.7	22	38' RT. - Beach	Toe Rock Revet. WAY
			8.8	0.1	69 "	
			11.2	-23	90 "	
			11.7	-28	108' "	

SHORE
~~95°-06' on 8+4~~
Shore 268+65 (S)

Profile Notes Red. Plotted H.U.M.H. Job No. 8412 Division No. 41 F.B. 1500 Pg. 61
No. Date. Date. Survey of [illegible]
X-Sec. Notes Chkd. Checked Survey by C.V.C. Notes C.V.C. Date 9-3-48
No. Date. Date. Map No. Indexed Date.

F.B. 1500 PG. 62 | 42

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

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

Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date 9-3-48 Date _____ Date _____ No. _____

SHORE

∡ 90°

Shore 264+65(S)

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.

11.22

STATION	B.S.	H.I.	F.S.	ELEV.		
264+65	5.26 (.23)	21.83		16.60	CROSS ON WALK - Elev. 16.596 - F.B. 1290 - 57.90	
			47	17.1	14' RT - Beach	
			89	12.9	39' " "	
T.P.	1.01	11.62	11.22	15.61	52.4' RT of cross. 1x2 on Beach.	
T.P.	1.77	7.45	5.94	5.68	T.P. - 86' RT.	Water "
			6.1	14	115' RT	
			9.7	-.72	144 "	
			11.7	-2.2	158 "	
			12.0	-4.5	160 "	

Profile No. _____ Notes Red _____ Plotted H.U.M.H. Job No. 8417 Division No. _____ F.B. 1500 Pg. 63

Date _____ Date _____ Survey of Beach Erosion - Redondo

X-Sec. No. _____ Notes Chkd _____ Checked _____ Survey by Meinert Notes _____ Date 9-10-'48

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

Range Line 268 + 65 (S)

No boat soundings on this line because of fog and lack of time.

G.W.K.

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 10M 10-46

F.B. 1500 PG. 64

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed 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 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
264	S-13	1	R	11:57	90° 00'	RANGE LINE ∡ = 90°	
+65		2	Y		89° 10'		
(S)		3	W		89° 50'		
		4	Y		90° 00'		
		5	W		90° 25'		
		6	R	12:03	89° 45'		
		7	Y		91° 10'		
		8	W		90° 30'		
		9	Y		91° 05'		
		10	W		90° 25'		
		11	R	12:09	89° 15'		
		12	Y		90° 40'		
		13	W		90° 25'		
		14	Y		87° 50'		
		15	W		91° 35'		
		16	R	12:13	92° 45'		

Range 264+65 (S)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8476 Division No. ____ F.B. 15000 Pg. 65
No. ____ Date ____ Date ____ Survey of Regal Erosion - Redondo
X-Sec. Notes Chkd ____ Checked ____ Survey by [illegible] Date 9-10-48
No. ____ Date ____ Date ____ Map No. ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
116' OUT ON RANGE LINE 262+65	262+65(S) ON BASE LINE	21	R	11:43	180° 45'	RANGE LINE ∡ = 90° ON BASE LINE
		22	Y		181° 35'	Cont'd from preceding pg.
		23	W		184° 20'	
		24	Y		179° 05'	
		25	W			

Copied
[illegible]

F.B. 1500 PG. 66
Job No. 8426 Division No. Notes Red. Plotted N.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date No. X-Sec.
Survey by Heineck Notes H.R. 9-10-48 Notes Chkd. Checked
Indexed Date Date Date No.

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
			307				
1	R	1159	292	297	4.0	25.7	
		10 59-S	296				
2	Y		284	288	4.0	24.8	Range line 264+65
			283				
3	W		272	276	4.0	23.6	
			278				
4	Y		260	266	4.0	22.6	
			253				
5	W		240	244	4.0	20.4	
			245				
6	R	1205	232	236	4.0	19.6	
		11 05-S	225				
7	Y		210	215	4.0	17.5	
			203				
8	W		191	195	4.0	15.5	
			195				
9	Y		185	186	4.0	14.6	
			178				
10	W		165	169	4.0	12.9	
			158				
11	R	1211	140	146	4.1	10.5	
		11 11-S	150				
12	Y		130	137	4.1	9.6	
			133				
13	W		115	121	4.1	8.0	
			113				
14	Y		98	103	4.1	6.2	
			90				
15	W		78	82	4.1	4.1	
			60				
16	R	1215	48	52	4.1	1.1	
		11 15-S					
17	Y						
18	W						
19	Y						
20	W						

Boat 264+65 (5)

Profile
Notes Rod Count Plotted MHMM Job No. Bkm Division No.
No. Date 10-5-48 Date Survey of Beach Erosion Research
X-Sec. Notes Chkd. RAB Checked Survey by Chief Engineer
No. Date 10-5-48 Date Map No. Indexed Date
F.B. 1500 pg. 67

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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
21	R	1145	127				Rangeline 262+65
22	Y		117				Continued
23	W		113				
24	Y		100				
			103				
			88				
			80				
			60				

Copied by
G.W.K.

F.B. 1500 Pg. 68 Job No. 842 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date No. X-Sec.
Survey by Maunder Notes T.M.S.B. 9-10-'46 Notes Chkd. Checked
Indexed Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
358' out on range line 258+65	Foresight to baseline Sta 258+65	1	R	11:59	146 45	Range Line 264+65 (S)
		2	Y		143 50	
		3	W		140 00	
		4	Y		136 15	
		5	W		131 50	
		6	R	12:05	126 40	
		7	Y		122 00	
		8	W		118 20	
		9	Y		115 55	
		10	W		108 35	
		11	R	12:10	90 05	
		12	Y		87 00	
		13	W		81 50	
		14	Y		75 50	
		15	W		72 05	
		16	R	12:15	69 45	

Cut in 264+65 (S)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 69
No. ____ Date ____ Survey of Beach Erosion - Redondo
X-Sec. Notes Chkd. ____ Checked ____ Survey by Kleiner, K. [illegible] Newark [illegible] 9/10/48
No. ____ Date ____ Date ____ Map No. ____ Inclined ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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3

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
Cut in 262+65(S) 615' out on range line 254+65	Foresight to baseline of Sta. 254+65	1	R	11:21	144 30	
		2	Y		144 10	Range Line 262+65 (S)
		3	W		144 05	
		4	Y		143 50	
		5	W		143 20	
		6	R	11:26	142 30	
		7	Y		141 40	
		8	W		138 50	
		9	Y		136 05	
		10	W		132 50	
		11	R	11:33	128 30	
		12	Y		123 55	
		13	W		119 20	
		14	Y		113 10	
		15	W		106 45	
		16	R	11:39	100 50	
		17	Y		96 10	
		18	W		89 50	
		19	Y		80 25	
		20	W		78 10	
		21	R	11:45	75 25	
		22	Y		72 00	
		23	W		68 35	
		24	Y		65 50	

F.B. 1500 G. 70 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date No. X-Sec.
Survey by Kleineck Notes Nowacki 9-10-46 Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
116' out on range line 262+65	1	R	11 19	179 55	Range line ∡ = 90° at base-line	
262+65 on base line	2	Y		179 50		
	3	W		180.00		
	4	Y		180 05		
	5	W		179 50		
	6	R	11 24	179 30		
	7	Y		179 05		
	8	W		178 15		
	9	Y		179 25		
	10	W		179 15		
	11	R	11 32	180 15		
	12	Y		179 55		
	13	W		179 20		
	14	Y		180 25		
	15	W		180 05		
	16	R	11 38	180 25		
	17	Y		179 55		
	18	W		177 40		
	19	Y		178 45		
	20	W		180 25		
	21	R	11 43	180 45		
	22	Y		181 35		
	23	W		184 20		
	24	Y		179 25		

Copied from orig. by GWK

Range 262+65 (5)

Profile No. ____ Date ____ Notes Chkd. ____ Date ____ Plotted H.U.M.H. Job No. 8442 Division No. ____ Date ____ Survey of Beach Erosion - Redondo Date 9-10-'48 Map No. ____ Date ____ X-Sec. No. ____ Date ____ Notes Red. ____ Date ____ Date ____ F.B. 600 Pg. 71

F.B. 1500 PG. 72

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	11 21 10 21-S	58 50	53	3 5.7	1.6	Rock (on inside slope of breakwater)
2	Y		157 149	152	3 5.7	12 9.5	Range Line 262+65
3	W		187 181	183	3 5.7	14 12.6	
4	Y		259 250	253	3 5.7	21 X 9.6	
5	W		273 264	267	3 5.7	23 21.0	
6	R	11 26 10 26-S	300 290	293	3 5.8	25 23.5	
7	Y		315 305	308	3 5.8	27 25.0	
8	W		326 317	320	3 5.8	28 26.2	
9	Y		311 300	304	3 5.8	26 24.6	
10	W		300 290	29[illegible]	3 5.8	25 23.5	
11	R	11 33 10 33-S	287 277	280	3 5.8	24 22.2	
12	Y		273 264	267	3 5.8	22 20.9	
13	W		260 250	253	3 5.8	21 X 9.5	
14	Y		239 229	232	3 5.8	19 17.4	
15	W		220 209	213	3 5.8	17 15.5	
16	R	11 39 10 39-S	200 186	191	3 5.8	15 13.3	
17	Y		180 167	171	3 5.8	13 11.2	
18	W		161 152	155	3 5.9	11 9.6	
19	Y		151 140	144	3 5.9	10 8.5	
20	W		141 130	134	3 5.9	9 7.5	Contd on next pg.

Boat 262+65(S)

Profile Notes Red Lower Plotted H.U.M.H. Job No. 8442 Division No. F.B. 1500 Pg. 73
No. Date 10-5-48 Date Survey of Rand Erosion - Redondo
X-Sec. Notes Chkd. R.B. Checked Survey by [illegible] Date 9-19-48
No. Date 10-5-48 Date Map No. Chkd. [illegible] Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
21	R	1113	108 / 101				Range line 258+65 continued
22	Y		91 / 82				
23	W		80 / 70				
24	Y		68 / 58				
							262+65 Cont'd from preceding pg.
21	R	1145 10.45-S	127 / 117	120	3.9	8.1	
22	Y		113 / 100	104	3.9	6.5	
23	W		103 / 88	93	3.9	5.4	
24	Y		80 / 60	67	3.9	2.8	

Copied GWK

Copied from orig. by GWK

F.B. 1500 PG. 74 Job No. 8447 Division No. Notes Red. Pour Plotted M.U.M.H. Profile No.
Survey of Beach Erosion - Redondo Date 10-5-48 Date X-Sec.
Survey by Hancock Notes T.M.B. 9-10-48 Notes Chkd. RLB Checked
Indexed Date Date 10-5-48 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.

113.2

STATION	B. S.	H. I.	F. S.	ELEV.		
262+65	1.33	18.00		16.67	CROSS IN Walk - F.B. 1290-57	
			1.33	16.67	4' RT. edge Walk - Beach	
			0.5	17.5	27' " Beach - Break	
			1.7	16.3	60' " "	
			1.79	16.21	113.2 " 1X2	
			2.0	16.0	118.0 " Beach - Brk.	
			5.7	12.3	133. "	
			8.4	9.6	142'	
T.P.	0.71	7.45	11.26	6.74	160.3 T.P. 1X2 OH Beach	
			3.2	4.3	176' Water	
			5.7	1.8	196 RT.	
			8.4	-0.9	217 "	
			10.1	-2.6	228'	
			11.0	-3.5	240 "	

SHORE
$90.
Shore 262+65 (S)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ 43 F.B. 1500 Pg. 75
No. ____ Date ____ Date ____ Survey of [illegible]
X-Sec. Notes Chkd. ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 9-7-48
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

F.B. 1500 G. 76 | 44

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

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

Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. _____ Checked _____ X-Sec.

Indexed A. C. Johnson Date 9-7-48 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.	
258+65	1.04	18.01		16.97	CROSS IN WALK - F.B. 1290-57
			1.06	16.95	5' RT. Edge Walk - Beach
			0.8	17.2	16 " Beach
			4.6	[illegible]	66' " "
			5.0	13.0	115' " "
			6.7	11.3	161' "
			6.4	11.6	223' "
			5.2	12.8	300'
			4.4	13.6	361
			8.8	9.2	371
T.P.	0.96	7.06	11.91	6.0	387.3 T.P. 1x2 on Beach.
			3.0	4.1	400' PT - Water
			6.7	[illegible]	430' "
			9.1	-2.0	456'
			9.6	-2.5	470'
			10.6	-3.5	490

SHORE
∡ 90°
Shore 258+65 (5)

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	
358' OUT ON RANGE LINE 258+65	1	R	10:37	179°55'	Range Line ∡=90° ON BASE LINE	
	2	Y		179°35'		
	3	W		179°30'		
	4	Y		179°20'		
	5	W		179°25'		
258+65(S) ON BASE LINE	6	R	10:41	179°15'		
	7	Y		179°15'		
	8	W		179°10'		
	9	Y		179°25'		
	10	W		179°10'		
	11	R	10:50	178°55'		
	12	Y		180°00'		
	13	W		179°00'		
	14	Y		178°40'		
	15	W		179°05'		
	16	R	10:59	178°15'		
	17	Y		180°10'		
	18	W		180°35'		
	19	Y		181°30'		
	20	W		180°00'		

CONTINUED

Range 258+65(S)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8447 Division No. ____ F.B. 1500 Pg. 77
X-Sec. No. ____ Date ____ Date ____ Survey of Beech Erosion - Redondo
Notes Chkd. ____ Checked ____ Survey by [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Title [illegible] 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
615' out on Range Line 254+65	254+65 on Base line (S)	1	R	9:58	179°50'	RANGE LINE ∡ = 90° AT BASE LINE.
		2	Y		179°50'	
		3	W		180°10'	
		4	Y		179°25'	Copied
		5	W		179°30'	
		6	R	10:08	179°25'	
		7	Y		179°25'	
		8	~~W~~		~~179°20'~~	Missed by Cut in inst.
		9	Y		179°25'	
		10	W		179°30'	
		11	R	10:13	179°05'	
		12	Y		180°00'	
		13	W		179°35'	
		14	Y		181°45'	
		15	W		182°05'	
		21	R	11 06	179 25	Cont'd from preceding pg.
		22	Y		180 50	
		23	W		181 05	
		24	Y		180 10	
		25	W		180 30	

F.B. 1500 Pg. 78 Job No. 8417 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion - Redondo Date No. X-Sec.
Survey by Kleinecke Notes H.R. 9-10-48 Notes Chkd. Checked
Indexed Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

3
2

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks	
254 +65	254+65 Foresight to baseline at Sta.	1	R	10:39	160°00'	Range Line	258+65
		2	Y		15945		
		3	W		15935		
		4	Y		15910		
		5	W		15905		
		6	R	10:43	15820		
		7	Y		15800		
		8	W		15710		
		9	Y		15705		
		10	W		15600		
		11	R	10:51	15335		
		12	Y		15210		
		13	W		14650		
		14	Y		14215		
		15	W		13850	23 W 76°50'	
		16	R	11:00	13415	24 Y 7205	
		17	Y		13150	25 W 6805	
		18	W		12740		
		19	Y		12305		
		20	W		10350		
		21	R	11:10	9125		
		22	Y		8320		

615' out on range

Cut in 258+65(5)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 79
No. ____ Date ____ Date ____ Survey of Beach Erosion-Redondo
X-Sec. Notes Chkd ____ Checked ____ Survey by Kniper & Kowacki 9/10/48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

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
	258	1	R	10:00	200°15'	Range Line 254+65
	+65	2	Y		20025	
		3	W		20130	
		4	Y		20050	
		5	W		20130	
		6	R	10:10	20140	
		7	Y		20210	
		8	W			Out of view - behind boat.
		9	Y		20340	
			~~W~~		~~20350~~	
			~~[illegible]~~		~~20535~~	
		10	W		20650	
		11	R	10:15	20905	
		12	Y		21150	
		13	W		21435	
		14	Y		22205	
		15	W		22630	

358' out on range line
Cut in 254+65 (5) 258+65

On range line

Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion - Redondo Date Date No. X-Sec.
Survey by Kleineck Notes Nowacki Date Checked
Indexed R. G. 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 #	Color	B. S. – Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
			57				
1	R	1039	50	52	3.6	1.6	Range Line
		939-S	71				
2	Y		65	67	3.6	3.1	0 258+65
			103				
3	W		100	101	3.6	6.5	On inside slope
			133				
4	Y		129	130	3.6	9.4	of breakwater Rock
			152				
5	W		149	150	3.6	11.4	
			164				
6	R	1043	159	161	3.6	12.5	
		943-S	184				
7	Y		180	181	3.6	14.5	
			207				
8	W		200	202	3.6	16.6	
			218				
9	Y		215	216	3.6	18.0	
			233				
10	W		230	231	3.6	19.5	
			243				
11	R	1052	240	241	3.7	20.5	
		952-S	246				
12	Y		240	242	3.7	20.5	
			234				
13	W		230	231	3.7	19.3	
			223				
14	Y		218	220	3.7	18.3	
			212				
15	W		207	209	3.7	17.2	
			200				
16	R	110	190	193	3.7	15.6	
		1000-S	176				
17	Y		170	172	3.7	13.5	
			158				
18	W		152	154	3.7	11.7	
			140				
19	Y		133	135	3.7	9.5	
			122				
20	W		115	117	3.7	8.0	Cont'd on next pg.

Boat 2584 (S)

Profile No. X-Sec. No.
Notes Red Blue Plotted H.U.M.M. Job No. Survey of Beach Erosion - Redondo
Date 10-5-48 Date Date Date 10-5-48 Date Map No. Date

FORM 207 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.

Profile No. ____ X-Sec. No. ____

Job No. 8446 Drawing No. ____ Map No. ____ Plotted H.U.M.H. Date 10-5-48
Survey of Marina Beach Breakwater Notes Checked R.L.R. Date 10-5-48
Supervised by H. Hansen Notes Chkd. ____ Date ____
Inclosed A. C. Johnson Date ____

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	10 00	58	55	3.5	2.0	Rock-Inside S/L of breakwater
2	Y	9 00-S	61	58	3.5	2.3	Range Line 254+65
3	W		72	69	3.5	3.4	
4	Y		68	66	3.5	3.1	Top of break.
5	W		94	91	3.5	5.6	
6	R	10 10	117	114	3.5	7.9	
7	Y	9 10-S	139	136	3.5	10.1	
8	W		146	143	3.5	10.8	
9	Y		128	125	3.5	9.0	
10	W		116	113	3.5	7.8	
11	R	10 15	102	99	3.5	6.4	
12	Y	9 15-S	88	85	3.5	5.0	
13	W		77	74	3.5	3.9	
14	Y		63	60	3.5	2.5	
15	W		40	37	3.5	0.2	End.
							Range 258+65 Cont'd from
21	R	11 13	108	103	3.7	6.6	preceding pg.
22	Y	10 13	91	85	3.7	4.8	
23	W		80	73	3.7	3.6	Copied from orig.
24	Y		68	61	3.7	2.4	by G.W.K.

Boat 254+65(S)

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	
615' out on range line 254+65	1	R	958	17950	Range line ∡ = 90° at base-line	
254+65 on base-line	2	Y		17950		
	3	W		18010		
	4	Y		17925		
	5	W		17930		
	6	R	1008	17925		
	7	Y		17925		
	8	~~W~~		~~17920~~	Missed by Cut-in Inst.	
	9	Y		17925		
	10	W		17930		
	11	R	1013	17905		
	12	Y		18000		
	13	W		17935		
	14	Y		18145		
	15	W		18205		

Copied from orig. by G.W.K.

Range 254+65 (5)

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 842 Division No. ____ F.B. 1500 Pg. 83
Date ____ Date ____ Survey of Beach Erosion - Redondo
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Date 9-10-[illegible]
Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. 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. 1500 Pg. 84

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.		
254-65	0.57	17.82		17.25	CROSS IN Walk	
			0.60	17.22	5' RT edge Walk	Beach
			1.3	16.5	25' " Beach	
			6.9	10.9	127' " "	
			8.4	9.4	196 " "	
			8.6	9.2	300' " "	
			9.0	8.8	407 " "	
			8.2	9.6	522 "	
			6.9	10.9	611' "	
			8.3	9.5	633' "	
T.P.	0.41	6.56	11.67	6.15	658.4 " T.P. 1X2 on Beach	
			2.7	3.9	684' Water	
			5.8	0.8	725'	
			6.8	-0.2	781'	
			8.5	-1.9	812	
			9.6	-2.4	824'	
			9.0	-2.4	872	
			9.3	-2.7	888'	
			9.8	-3.2	892	

SHORE
$90°
Shore 254+65 (S)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ 45 F.B. 1500 Pg. 85
No. ____ Date ____ Date ____ Survey of BEACH EROSION - REDONDO
X-Sec. Notes Chkd ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 9-7-48
No. ____ Date ____ Date ____ Map No. ____ Mod. Tolerance Date ____

F.B. 1500 PG. 86 | 46

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

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

Survey of
W. O. Tree No. Std. °E
Surveyed by
Notes Date
Indexed A. C. Jannsen

F.B. 1500 PG. 87

NOV 4 48

HYDROGRAPHIC SURVEY
- Cont'd.

Station 253+10(S) To
0+00(N.+S.) Incl.
Oct. 1 - Oct. 20, 1948.

For Personnel Engaged In
This Work See Page 1.

Note:- All shore work from
17+50(S) and on north to the
end of this survey, is to be done
by L.A. City. See page 211.

Note: Any Additions or Changes on This Sheet Must 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 5M 5-46

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F. B. 1500 Pg. 88

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.		
					F.B. 1284/12	
253+10 (S)	197	1934		1737	Point on walk. Range Line ∡ = 91°45 F.S. on "S 12"	
			206	1728	5.8' West R. of Line.	Edge of Strand walk.
			19	174	19' " " "	Beach.
			27	166	50' " " "	
			25	168	80' " " "	
			29	164	100' " " "	
			59	134	191' " " "	
			81	112	272' " " "	
			10.3	90	326' " " "	
			11.4	79	367' " " "	
T.P.	035	1070	899	1035	457' " " "	(1x1.5 TR)
			59	48	510 R " " "	"
			89	18	562' R	Water
		N.G.	107	00	638' R	"
			127	-20	709' R	"
			135	-28	755' R	"

From this point see pg. 91

Shore 253+10 (S)

Profile Notes Red ____ Plotted M.U.M.H. Job No. 8413 Division No. ____ F.B. 1560 Pg. 89
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-1-48
No. ____ Date ____ Date ____ Map No. ____ Indexed J. Jannsen 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.	F.B. 1284/12
250+00 (S)	098	1863		1765	Point on walk, Range Line ∡ = 90°
			101	1762	4.9' West R. of line - Edge of strand walk
			26	160	50' R. - Beach
			36	150	100' R - "
			50	136	154' R. - "
			61	125	195' R - "
			62	124	238' R - "
			87	99	287' R - "
T.P.	002	1094	771	1092	368' R - " (1x1 STK)
			72	37	432' R - "
		N.G.	116	-07	538' R - Water
			128	-19	598' R - "
			145	-36	644' R - "
			153	-44	666' R - "

Shore 250+00(S)

From this point see pg. 92

F.B. 1500 PG. 90 Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No.
Survey by Hlemeck Notes GWK 10-1-48 Notes Chkd Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Contd From pg. 89
					RANGE ∡ - ~~91-45 ON 5~~ 90-10 -12
253+10	168	19.05		17.37	"X" ON Walk
457 T.P. RT	0.03	8.48	10 60	8.45	T.P. 1X2 STK ON Beach (T.P. IF STK. WASHES OUT)
" "			10 43	8.62	PT. of Rock - 45 South 6 - 3'E
510 "			3.6	49	Water 2.4' W
565			6.0	25	
638			7.6	09	
709			9.4	-09	

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 91
X-Sec. No. ____ Date ____ Date ____ Survey of BEACH EROSION
Notes Chkd ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 10-7-8-48
Date ____ Date ____ Map No. ____ Indexed Tabulated Date ____

Share 253+10 (5)

F.B. 1560 PG. 92 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of BEACH EROSION Date Date No.

Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date 10-7-8-48 Date Date No.

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.

STATION	B.S.	H.I.	F.S.	ELEV.	
250+00	0.69	18.34		17.65	Contd From page 90
341' RT	0.23	0.85	7.72	10.62	RANGE X 90°
T.P.	2.95	8.64	5.16	5.69	L&T. IN WALK
368		~~[illegible]~~	0.8	[illegible]	1X2 STK. ON Beach
432			5.5	3.1	T.P.
538			8.5	0.1	
598			9.7	-1.1	

Shore
250+00(S)

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	
253 +10 -(5)	5-12	1	R	723	90°00	Range Line ∡ = 90°10'	
		2	Y		90 05		
		3	W		90 10		
		4	Y		90 20		
		5	W		90 40		
		6	R	730	90 40		
		7	Y		90 10		
		8	W		91 10		
		9	Y		90 30		
		10	W		90 20		
		11	R	737	89 25		
		12	Y		90 00		
		13	W		93 00		

Range
253+10 (5)

Profile No. ____ Notes Red ____ Plotted [illegible] Job No. [illegible] Division No. ____ F.B. Work No. 93
X-Sec. No. ____ Date ____ Date ____ Survey of Bench Erosion
Notes Chief ____ Checked ____ Survey by [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed Jan [illegible] 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	
250 +00 (S)	S-12	1	R	8 07	90 20	Range Line ∡ = 90°	
		2	Y		90 20		
		3	W		90 30		
		4	Y		90 15		
		5	W		90 35		
		6	R	8 15	90 25		
		7	Y		90 15		
		8	W		90 20		
		9	Y		90 25		
		10	W		90 15		
		11	R	8 22	90 15		
		12	Y		90 35		
		13	W		90 25		

Range 250+00 (S)

F.B. 160 Pg. 94 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Hanley Notes S.H. 10-8-48 Notes Chkd. Checked No.
Indexed C. Jennings Date Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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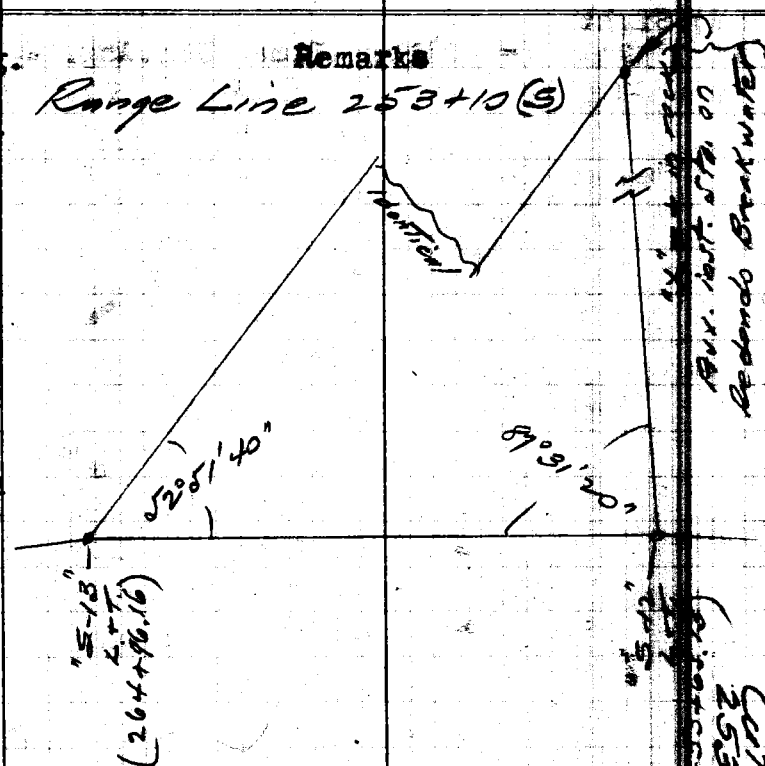
Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
Inst. Sight At On	#	Color	Time	Hor. Ang.
"X" S-12	1	R	7:23	214°10'
	2	Y		216°55'
	3	W		223°10'
	4	Y		231°40'
	5	W		242°40'
	6	R	7:30	260°05'
	7	Y		279°15'
	8	W		296°05'
	9	Y		317°35'
	10	W		330°55'
	11	R	7:38	339°05'
	12	Y		346°10'
	13	W		348°20'

See Sketch

Remarks

Range Line 253+10 (S)



Profile Notes Red. Plotted M 11 [illegible] Job No. 8412 Division No.
No. Date Date Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey [illegible]
No. Date Date Map No. [illegible] Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
240	S-12	1	R	8:08	58° 50'		
+00		2	Y		57° 25'	RANGE LINE 250+00 (S)	
(S)		3	W		57° 15'		
		4	Y		55° 45'		
		5	W		54° 05'		
		6	R	8:15	52° [illegible]		
		7	Y		50° 05'		
		8	W		46° 55'		
		9	Y		43° 4[illegible]		
		10	W		40° 00'		
		11	R	8:22	35° 20'		
		12	Y		33° 45'		
		13	W		32° 20'		

Cut in 250+00 (S)

Job No. [illegible] Division No. Notes Red. Plotted M. U. M. H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Maurice Notes Reported 10-8-48 Notes Chkd Checked
Indexed A. C. Johnson Date Date Date No.

FORM 507 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	7:25	30.2 / 29.0	294✓	36	25.8✓	Range 253+10 (S)
2	Y	6:25	29.5 / 2[illegible].0	285✓	36	24.9 ~~24.7~~	
3	W		2[illegible].7 / 26.2	267✓	36	23.1✓	
4	Y		25.3 / 24.3	246✓	36	21.0✓	
5	W		24.0 / 22.2	228✓	36	19.2✓	
6	R	7:31	20.8 / 20.0	203✓	36	16.7✓	
7	Y	6:31	19.3 / 17.8	183✓	36	14.7✓	
8	W		17.8 / 16.1	167✓	36	13.1✓	
9	Y		15.2 / 13.6	141✓	36	10.5✓	
10	W		14.3 / 12.0	128✓	36	9.2✓	
11	R	7:38	10.8 / 9.6	99✓	36	6.3✓	
12	Y	6:38	8.4 / 6.9	74✓	36	3.8✓	
13	W		6.3 / 4.8	53✓	36	1.7✓	End of line.

Profile No. ____ Notes Red M. EX. Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 150 Pg. 97
Date 11-5-48 Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Date ____

Boot
253+10 (S)

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
							Range 250+00 (S)
1	R	8:09	30.2 29.0	294	37	25.7	
2	Y	7:09	28.2 27.0	274	37	23.7	
3	W		27.1 25.7	262	37	22.5	
4	Y		25.5 23.5	242	37	20.5	
5	W		22.8 21.0	216	37	17.9	
6	R	8:16	20.8 19.8	196	37	15.9	
7	Y	7:16	18.3 16.8	173	37	13.6	
8	W		16.0 13.7	145	37	10.8	
9	Y		13.0 11.2	118	37	8.1	
10	W		11.8 9.8	105	38	6.7	
11	R	8:24	9.5 8.0	85	38	4.7	
12	Y	7:24	8.0 6.5	70	38	3.2	
13	W		6.5 5.0	55	38	1.7	End of line.

Boat 250+00(S)

F.B. 1500 Pg. 98 Job No. 8412 Division No. Notes Red 24 X Plotted H.U.M.H. Profile No.
Survey of Beach Erosion Date 11-5-48 Date X-Sec.
Survey by Mercer Notes 225 10-8-48 Notes Chkd. Checked
Indexed C. Tolman 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 F.B. 1284/12
245+00	166	1921		1755	Pt. on Walk. Range line ∡ = 90°
			179	1742	6.0' R. of line - Edge of Strand. walk
			07	185	30' R - Beach
			21	171	65' R - "
			41	151	96' R - "
			63	129	184' R - "
			85	107	207' R - "
			89	103	242' R - "
T.P.	-030	1041	850	1071	287' R - " (1x1 STK)
			42	62	332' R - "
			76	28	381' R - "
	N.G.		110	-06	469' R - water
			119	-15	498' R - "
			134	-30	571' R - "
			147	-43	605' R - "

Shore
245+00 (S)
From this point
See pg. 101

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8420 Division No. ____
X-Sec. Date ____ Date ____ Survey of Beach Erosion
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by [illegible] Notes [illegible] Date 10-1-46
Map No. ____ Date ____ Indexed J. Johnson Date ____

F.B. 1500 Pg. 99

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 FB 1284/12
240+00	124	1864		1740	Pt. on walk. Range line ∡ = 90°
			132	1732	4.8' R. of line. = Edge Strand walk
			42	144	62' R. – Beach
			47	139	127' R – "
			74	112	167' R – "
T.P.	002	1048	818	1046	218' R. – " (1x1 stk)
			43	62	261' R – "
			93	12	342' R – "
		N.G.	117	-12	411' R – "
			123	-18	433' R – "
			125	-20	461' R – "
			138	-33	509' R – "
			151	-46	537' R – "

Shore 240+00 (5)

From this point See pg. 102

F.B. 1500 PG. 100 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Kleineck Notes Gwk 10-1-48 Notes Chkd. Checked No.
Indexed A. C. Jannsen Date Date 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.	Contd From pg. 99
245+00	161	19.16		17.55	L&T. IN WALK.
277 T.P RT	0.09	9.74	9.51	9.65	T.P. 1X2 FLUSH ON BEACH
287 "			1.3	8.4	"
310			4.0	5.7	Water
332 "			5.5	4.2	Beach
381			7.7	2.0	
469			9.6	0.1	
498			10.2	-0.5	

Shore
245+00(5)

Profile Notes Red ____ Plotted H U M H Job No. 8412 Division No. ____
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 10-7-8-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1500 Pg. 101

FORM 307 10M 10-46

5.72 1.29 3.51 1.29 2.22

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

947 841-9.47

Do not extend notes this side of this line.

218 T.P. 185-6.00

STATION	B. S.	H. I.	F. S.	ELEV.		
					Contd From pg. 100	
240+00	0.48	17.88		17.40	L&T. IN WALK	
185 T.P. RT	0.29	12.17	6.00	11.88	T.P. 1X2 ON Beach	
"			1.0	11.2	Beach	
218 "			3.2	9.0	"	
261			7.1	5.1	"	Water
T.P.	2.80	9.73	5.24	6.13	T.P	
342			8.0	1.7		
411			9.7	0.0		
461			11.0	-1.3		

Shore 240+00 (5)

F.B. 1500 PG. 102 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. Checked
Indexed A. C. Johnson Date 10-7-8-48 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	
245 +00 (S)	5-12	1	R	841	90 30	Range Line ∡ = 90°	
		2	Y		90 35		
		3	W		90 30		
		4	Y		90 40		
		5	W		90 55		
		6	R	8 50	89 45		
		7	Y		90 25		
		8	W		90 30		
		9	Y		90 30		
		10	W		91 05		
		11	R	8 55	90 15		
		12	Y		90 40		
		13	W		90 25		

Range
245+00 (S)

Profile No. ____ Notes Red ____ Plotted M. U. M. M. Job No. 8412 Division No. ____ F.B. 4500 Pg. 103
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes 5 H. Date 10-8-48
No. ____ Date ____ Date ____ Map No. ____ Made and Inspected ____ Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
240 +00 (S)	5-12	1	R	9 11	90 15	Range Line ∡ = 90°	
		2	Y		90 00		
		3	W		90 15		
		4	Y				
		5	W		90 15		
		6	R	9 19	90 15		
		7	Y		90 40		
		8	W		90 20		
		9	Y		90 10		
		10	W		90 15		
		11	R	9 25	90 25		
		12	Y		90 30		
		13	W		91 05		

Range 240+00 (S)

F.B. 1500 PG. 104

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

Survey of Beach Erosion Date ____ Date ____ No. ____

Survey by Kleineck Notes S.H. 10-8-48 Notes Chkd ____ Checked ____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
235	S-12	1	R	8:42	57°20'	RANGE LINE - 245+00 (S)	
+00		2	Y		55°30'		
(S)		3	W		52°55'		
		4	Y		51°05		
		5	W		48°10'		
		6	R	8:50	46°00'		
		7	Y		44°40'		
		8	W		42°50'		
		9	Y		39°50'		
		10	W		37°55'		
		11	R	8:56	33°00'		
		12	Y		30°55'		
		13	W		27°00'		

Cut-in
245+00 (S)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8447 Division No. ____ F.B. 1500 Pg. 105
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by [illegible] Notes [illegible] Date 10-8-48
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
250	5-12	1	R	9:11	123° 45'	RANGE LINE 240+00 (S)	
+00		2	Y		125° 35'		
(S)		3	W		128° 55'		
		4	Y		130° 40'		
		5	W		132° 40'		
		6	R	9:19	136° 10'		
		7	Y		139° 00'		
		8	W		141° 35'		
		9	Y		143° 55'		
		10	W		146° 10'		
		11	R	9:26	148° 05'		
		12	Y		151° 15'		
		13	W		154° 20'		

Cut-in 240+00 (S)

F.B. 1600 PG. 106 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Maurer Notes Cypher 10-8-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 507 5M 1-48

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red Pl. 3 Plotted H.U.M.H. Job No. 8412 Division No. V F.B. 1107

No. Date 11-5-48 Date Survey of Reach Crossing

Kind Date Checked Survey by

Home Chief Date Map No. Checked J. Date

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	8:43	30.3				
			29.0	29.4 ✓	38	25.6 ✓	Range 245+00 (S)
2	Y	7:43	29.5				
			28.2	28.6 ✓	38	24.8 ✓	
3	W		27.7				
			26.8	26.6 ✓	39	22.7 ✓	
4	Y		25.8				
			24.8	25.1 ✓	39	21.2 ✓	
5	W		23.8				
			22.5	22.9 ✓	39	19.0 ✓	
6	R	8:51	21.1				
			19.5	20.0 ✓	39	16.1 ✓	
7	Y	7:51	19.5				
			17.8	18.4 ✓	39	14.5 ✓	
8	W		16.0				
			15.3	16.2 ✓	39	12.3 ✓	
9	Y		14.3				
			13.0	13.4 ✓	39	9.5 ✓	
10	W		12.5				
			11.9	11.5 ✓	39	7.6 ✓	
11	R	8:57	10.5				
			9.0	9.5 ✓	39	5.6 ✓	
12	Y	7:57	8.5				
			7.0	7.5 ✓	40	3.5 ✓	
13	W		5.5				
			4.0	4.5 ✓	40	0.5 ✓	End of line.
14	Y						

Boot
245+00 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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	9:13	30.2 29.0	294	40	25.4	Range 240+00 (S)
2	Y	8:13	29.0 27.8	282	40	24.2	
3	W		27.2 26.0	264	40	22.4	
4	Y		25.3 24.3	246	40	20.6	
5	W		25.0 23.3	239	40	19.9	
6	R	9:20	21.7 20.3	208	40	16.8	
7	Y	8:20	18.8 17.3	178	40	13.8	
8	W		16.8 15.0	156	40	11.6	
9	Y		14.8 13.0	136	40	9.6	
10	W		13.5 11.3	120	41	7.9	
11	R	9:27	12.7 10.1	110	41	6.9	
12	Y	8:27	9.2 7.7	82	41	4.1	
13	W		6.8 5.3	58	42	1.6	End of line.
14	Y						

Boat 240+00(S)

F.B. 160 Pg. 108 Job No. 8412 Division No. V Notes Rvd. [illegible] Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11-5-48 Date No. X-Sec.
Survey by Kleinock Notes D.S. 10/8/48 Notes Chkd. Checked
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 F.B. 1284/12
235+00	167	1882		1715	Pt on walk - Range ∡ = 90°
			176	1706	36' R. of line - Edge of Strand walk
			12	176	39' R - Beach
			38	150	76' R - "
			61	127	124' R - "
			78	110	144' R - "
T.P.	076	1117	841	1041	182' R - " (1X1 STK.)
			44	68	223' R - "
			76	36	267' R - "
		N.G.	112	00	342' R - Water
			128	-16	390' R - "
			134	-22	426' R - "
			143	-31	457' R - "
			154	-42	492' R - "

From this point see pg. 111

Shore 235+00(S)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 109
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Hameed Notes G.W.K. Date 10-1-48
No. ____ Date ____ Date ____ Map No. ____ Indexed Jonnson 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 FB 1284/12
230+00	134	1823		1689	Pt. on walk – Range ∠ = 90°
			140	1683	3.2' R. of line – Edge of Strand Walk
			18	164	28' R – Beach
			51	131	100' R – "
			72	110	122' R – "
T.P.	061	1098	786	1037	177' R – " (1x1 stk)
			22	88	193' R – "
			60	50	231' R – "
		N.G.	90	20	288' R – Water
			115	-05	353' R – "
			127	-17	389' R – "
			138	-28	421' R – "
			138	-28	447' R – "
			142	-32	453' R – "

Shore 230+00(5)

From this point see pg. 112

F.B. 1500 PG. 110 Job No. 8442 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Kleinick Notes Gulk 10-1-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

T.P. 147 – 7.65

182
35
147

STATION	B. S.	H. I.	F. S.	ELEV.	Contd from pg. 109	
						RANGE ∡ 90°
235+00	1.79	18 94		17 15	L&T. ON WALK	
182' RT. T.P.	3.51	13 18	9.67	9 27	T.P. 1X2 on Beach - Flush	
T.P.	3.28	10 74	5.72	7.46	T.P.	
229			4.7	6 0		Water 9:05 AM
267			7.3	3 4		
342			9.4	1 3		
390			10.5	0.2		
426			11.3	– 0.6		

Shore
235+00(S)

Profile Notes Red. Plotted H.U.M.H. Job No. Division No.
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed Jan Date

F.B. 1500 Pg. 111

F.B. 1500 PG. 112 | Job No. 8412 | Division No. | Notes Red. | Plotted H.U.M.H. | Profile

Survey of BEACH EROSION | Date | Date | No.

Survey by C.V. CRUMLEY | Notes C.V.C. | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date 10-7-8-48 | Date | Date | No.

Shore
230+00 (S)

STATION	B.S.	H.I.	F.S.	ELEV.	
230+00	1.69	1858	-	16.89	Cont'd from pg. 110
177 RT. T.P.	0.62	943	9.77	8.81	L.&T. on WALK
218			3.9	5.5	T.P. 1x2 on Beach
231			5.7	5.7	Water
288			8.1	[illegible]	
353			9.2	[illegible]	
389			11.1	[illegible]	
421			[illegible]	[illegible]	

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.

143 - 752

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
235	5-12	1	R	943	90 00	Range Line ∡ = 90°	
+00		2	Y		89 45		
(S)		3	W		89 40		
		4	Y		89 55		
		5	W		90 00		
		6	R	951	90 20		
		7	Y		90 15		
		8	W		90 40		
		9	Y		90 00		
		10	W		91 00		
		11	R	956	90 25		
		12	Y		90 25		
		13	W		90 30		
		14	Y		91 05		

Range
235+00 (S)

Profile No. ____ Notes Red ____ Plotted M. M. M. M. Job No. 84 Division No. ____ F.B. 1500 Pg. 113
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd ____ Checked ____ Survey by Harris Notes 5th Date 10-8-48
Date ____ Date ____ Map No. ____ Indexed Jan 1948 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	
230 +00 (S)	S-11	1	R	1016	90 05	Range Line ∡ = 90°	
		2	Y		90 00		
		3	W		90 15		
		4	Y		90 30		
		5	W		90 30		
		6	R	1024	90 25		
		7	Y		90 05		
		8	W		90 35		
		9	Y		91 00		
		10	W		90 30		
		11	R	1030	90 25		
		12	Y		90 15		
		13	W		91 30		
		14	Y		89 05		

Range 230+00 (S)

F.B. 1560 PG. 114 Job No. 8442 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Maurer Notes S.H. - 10/8/48 Notes Chkd. Checked
Indexed L. O. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
250	S-12	1	R	9°44'	135°10'	RANGE LINE 235+00 (S)	
+00		2	Y		137°40'		
(S)		3	W		139°40'		
		4	Y		142°10'		
		5	W		144°40'		
		6	R	9:51	147°00'		
		7	Y		149°00'		
		8	W		150°45'		
		9	Y		152°40'		
		10	W		155°45'		
		11	R	9:56	157°20'		
		12	Y		160°20'		
		13	W		161°25'		
		14	Y		162°40'		

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8442 Division No. ____ F.B. 1500 Pg. 115

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 10-8-48

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

Cut-in
235+00 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
240	S-12	1	R	10:17	128° 15'		
+00		2	Y		129° 00'	RANGE LINE	230+00 (S)
(S)		3	W		131° 10'		
		4	Y		133° 10'		
		5	W		134° 50'		
		6	R		137° 40'		
		7	Y	10:24	140° 05'		
		8	W		142° 40'		
		9	Y		146° 15'		
		10	W		147° 50'		
		11	R	10:32	150° 50'		
		12	Y		152° 05'		
		13	W		154° 55'		
		14	Y		155° 05'		

Cut-in
230+00 (S)

F.B. 1500 PG. 116 Job No. 842 Division No. Notes Red Plotted H.U.M.M. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Hemmet Notes Rubber 10-8-48 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.

Profile No. ____ Notes Rdd 7-M-K Date 11-5-48 Plotted H.U.M.H. Date ____ Job No. 8412 Division No. V
X-Sec. No. ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion
Survey by Pacific Ocean D.S. Date 10-8-48 Map No. ____ Map Chkd ____ Date ____
F.B. Notes 117

STATION #	Color	B.S. - Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	9:45	30.8 / 29.0	296 ✓	42	25.4 ✓	Range 235+00 (S.)
2	Y	8:45	30.0 / 28.0	287 ✓	42	24.5 ✓	
3	W		28.0 / 26.8	277 ✓	42	23.0 ✓	
4	Y		27.8 / 25.0	259 ✓	42	21.7 ✓	
5	W		24.3 / 23.7	235 ✓	42	19.3 ✓	
6	R	9:53	22.5 / 21.0	215 ✓	42	17.3 ✓	
7	Y	8:53	20.8 / 19.3	198 ✓	42	15.6 ✓	
8	W		19.5 / 18.0	185 ✓	42	14.3 ✓	
9	Y		17.3 / 15.8	163 ✓	43	12.0 ✓	
10	W		15.3 / 13.5	141 ✓	43	9.8 ✓	
11	R	9:58	13.3 / 11.3	120 ✓	43	7.7 ✓	
12	Y	8:58	10.2 / 9.0	94 ✓	43	5.1 ✓	
13	W		10.0 / 7.0	80 ✓	43	3.7 ✓	
14	Y		7.2 / 5.5	61 ✓	43	1.8 ✓	End of line.
15							

Boat
235+00 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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	10:18	30.0 / 29.0	293 ✓	44	24.9 ✓	Range 230+00 (s.)
2	Y	9:18	29.2 / 28.0	284 ✓	44	24.0 ✓	
3	W		28.2 / 26.9	273 ✓	44	22.9 ✓	
4	Y		26.8 / 25.5	259 ✓	44	21.5 ✓	
5	W		26.2 / 25.0	254 ✓	44	21.0 ✓	
6	R	10:26	23.8 / 22.5	229 ✓	45	18.4 ✓	
7	Y	9:26	21.3 / 20.5	208 ✓	45	16.3 ✓	
8	W		19.3 / 18.0	184 ✓	45	13.9 ✓	
9	Y		16.5 / 15.5	158 ✓	45	11.3 ✓	
10	W		15.3 / 13.2	139 ✓	45	9.4 ✓	
11	R	10:33	13.4 / 12.0	125 ✓	45	8.0 ✓	
12	Y	9:33	11.7 / 10.5	109 ✓	45	6.4 ✓	
13	W		9.6 / 8.0	85 ✓	45	4.0 ✓	
14	Y		8.5 / 7.2	76 ✓	45	3.1 ✓	End of line.
15	W						

Boot. 230+00(5)

F.B. 1500 Pg. 118 Job No. 6412 Division No. V Notes Red. [illegible] Plotted HUMH Profile
Survey of Beach Erosion Date 11-5-48 Date No.
Survey by Kleineck Notes DS 10-8-48 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.	From F.B. 1284/12
225+00 (S)	132	1829		1697	Pt. on walk. - Range ∠ = 90°
			143	1686	5.2' R. of line - Edge of Strand walk
			20	163	47' R. - Beach
			38	145	90' R - "
			72	111	132' R - "
			82	101	176' R - "
T.P.	063	901	991	838	199' R - " (1x1 stk.)
			44	46	251' R - "
			81	09	325' R - Water
	NG		100	-10	386' R - "
			110	-20	432' R - "
			117	-27	454' R - "
			128	-38	479' R - "

From This point
See pg. 121

Shore
225+00 (S)

Profile
No. ____ Date ____ Notes Red ____ Plotted M.U.M.M. Job No. 8412 Division No. ____
X-Sec. Notes Chkd. ____ Checked ____ Survey of Beach Erosion
No. ____ Date ____ Date ____ Survey by Blaunder Notes Sub Date 10-1-'48
Map No. ____ Indexed Jonnson Date ____

F.B. 1500 Pg. 119

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 F.B. 1284/11
220+00	206	1859		1653	Pt. on walk - Range ∡ = 90°
			218	1641	73' R. of line - Edge of Strand walk.
			20	166	42' R. - Beach
			29	157	81' R - "
			79	107	144' R - "
			78	108	179' R - "
TP	061	1059	861	998	192' R - " (1X1 stk)
			50	56	241' R - "
			80	26	293' R - " This portion used
			102	04	345' R - Water on profile - on a/c
			124	-18	410' R - " of error in chaining
			133	-27	461' R - " on later survey
			140	-34	481' R - "

See p-122

For this profile see page.

Shore 220+00 (5)

F.B. 1500 PG. 120 Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Kleineck Notes GWK 10-1-'48 Notes Chkd Checked
Indexed A. C. Johnson Date Date No.

FORM 307 10M 10-46

838
7.10
1.28

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

199
UL
153

Do not extend notes this side of this line.

153 - 7.51

STATION	B. S.	H. I.	F. S.	ELEV.	Cont'd from page 119	
						-RANGE ∡ 90°
225+00 (S)	1.45	18.42		16.97	LET. IN WALK	
199' RT. T.P.	2.17	9.27	11.32	7.10	T.P.	
221 RT			3.8	5.5		Water 9:30 A.M.
251 "			6.0	3.3		
325			8.7	0.6		
386			9.5	-0.2		
432			10.5	-1.2		

Shore
225+00 (S)

Profile No. ____ Notes Red ____ Plotted H.U.M.M. Job No. 8412 Division No. ____ F.B. 1500 Pg. 121
Date ____ Date ____ Survey of BEACH EROSION
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 10-7-8-68
Date ____ Date ____ Map No. ____ Indexed J. [illegible] 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.		
					90° ∢ Oct 14	1:15 P.M.
220+00(S)	090	1743		16 53	L & T on conc walk	FB1284-11
			101	16 42	7' rt. west edge of walk	
This portion used on profile			100	16 40	64' rt beach	brk
			630	11 10	138' rt "	"
			680	10 60	182' rt "	"
TP 1/2	009	994	758	9 85	233 rt "	
			380	6 10	290 rt water	
			600	3 90	387 " "	Not used See Page 120
	out		760	2 30	463 "	for elevations used on
			890	00	500 "	profile - Error in chainage
			1130	-1 60	554	

Shore 220+00(S)

F.B. 1500 PG. 122 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by Blanchard Notes Blanchard Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
225	5-11	1	R	1048	90 10	Range Line ∡ = 90°	
+00		2	Y		90 15		
(5)		3	W		90 10		
		4	Y		90 25		
		5	W		89 50		
		6	R	1059	90 30		
		7	Y		90 30		
		8	W		90 50		
		9	Y		90 30		
		10	W		90 20		
		11	R	1107	90 45		
		12	Y		89 50		
		13	W		90 25		

Range
225+00(5)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8447 Division No. ____ F.B. 1500 Pg. 123
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Meneses 54 Date 10-8-48
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 207 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
220	5-11	1	R	11 30	90 10	Range Line ∡ = 90°	
+00		2	Y		90 05		
(5)		3	W		89 50		
		4	Y		90 35		
		5	W		90 20		
		6	R	11 38	90 25		
		7	Y		90 10		
		8	W		90 40		
		9	Y		90 00		
		10	W		90 35		
		11	R	11 45	89 50		
		12	Y		90 40		
		13	W		90 00		
		14	Y		90 25		
		15	W		90 15		

Range 220+00 (5)

F.B. 1600 PG. 124

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

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

Survey by Flaneck Notes S.H. 10-8-41 Notes Chkd. Checked

Indexed A. C. Jennings Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
240	S-12	1	R	10:48	139° 00'	RANGE LINE 225+00(S)	
+00		2	Y		138° 15'	(WENT OUT)	
(S)		3	W		142° 30'		
		4	Y		145° 15'		
		5	W		148° 15'		
		6	R	10:59	150° 50'		
		7	Y		152° 25'		
		8	W		154° 20'		
		9	Y		156° 15'		
		10	W		158° 50'		
		11	R	11:07	160° 55'		
		12	Y		162° 05'		
		13	W		164° 30'		

Cut-in
225+00(S)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8442 Division No. ____ F.B. 1500 Pg. 125
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Sued by [illegible] Notes [illegible] Date 10-8-48
Date ____ Date ____ Map No. ____ Andered Jon[illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-11	S-12	1	R	11:30	130° 25'	RANGE LINE 220+00(S)	
		2	Y		132° 15'		
		3	W		133° 55'		
		4	Y		137° 20'		
		5	W		138° 55'		
		6	R	11:39	141° 10'		
		7	Y		142° 25'		
		8	W		145° 15'		
		9	Y		148° 00'		
		10	W		150° 00'		
		11	R	11:45	153° 25'		
		12	Y		156° 25'		
		13	W		158° 25'		
		14	Y		159° 35'		
		15	W		161° 00		

Cut in 220+00 (S)

F.B. 1500 Pg. 126

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

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

Survey by Hancock Notes Chkd. Checked

Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	10:55	29.5 / 28.5	288 ✓	47	24.1 ✓	Range 225+00 (5)
–	Y	9:55	30.0 / 29.1	294 ✓	47	24.7 ✓	Backed up for shot
3	W		27.8 / 26.5	269 ✓	47	22.2 ✓	
4	Y		25.8 / 24.7	247 ✓	47	20.0 ✓	
5	W		24.0 / 22.0	227 ✓	47	18.0 ✓	
6	R	11:01	21.3 / 20.2	206 ✓	47	15.9 ✓	
7	Y	10:01	19.8 / 18.7	187 ✓	47	14.0 ✓	
8	W		18.0 / 16.5	170 ✓	47	12.3 ✓	
9	Y		15.6 / 14.3	147 ✓	47	10.0 ✓	
10	W		14.1 / 12.1	128 ✓	47	8.1 ✓	
11	R	11:09	12.0 / 10.5	110 ✓	48	6.2 ✓	
12	Y	10:09	10.5 / 9.0	195 ✓	48	4.7 ✓	
13	W		8.2 / 6.7	72 ✓	48	2.4 ✓	End of line
14	Y						

Boat 225+00 (5)

Profile No. ____ Notes Red M.U.M.H. Plotted M.U.M.H. Job No. 84-12 Division No. V F.B. 1500 Pg. 127
X-Sec. No. ____ Date 11-4-48 Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Elmer Johnson Date 10-8-48
No. ____ Date ____ Date ____ Map No. ____ Checked Johnson Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 1500 Pg. 128 | Job No. 8412 Division No. V | Notes Rcd. | Plotted H.U.M.H. | Profile No. | X-Sec. No.

Survey of Beach Erosion | Notes | Date | Notes Chkd. | Checked | Date | Date | Date

Survey by Klorneck | Notes Dfs. 10-8-48 | Date 11-5-48

Indexed C. Jonnson | Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks	
1	R	11:32	29.5	300	50	25.0	Range 220+00 (S.)	
2	Y	10:32	28.9	280	50	23.0		
3	W		27.5	266	50	21.6		
4	Y		26.9	247	50	19.7		
5	W		24.0	235	50	18.5		
6	R	11:40	23.6	223	50	17.3		
7	Y	10:40	23.0	218	50	16.8		
8	W		21.5	196	50	14.6		
9	Y		19.2	171	50	12.1		
10	W		17.8	149	50	9.9		
11	R	11:47	16.8	129	51	7.8		
12	Y	10:[illegible]	14.3	113	51	6.2		
13	W		13.8	94	51	4.3		
14	Y		12.5	87	51	3.6		
15	W		11.9	70	51	1.9	End of line.	
			11.0					
			10.3					
			9.0					
			9.7					
			8.2					
			8.0					
			6.5					

Root 220+00 (S)

Notes Ck'd by	Survey of BEACH EROSION
Map No.	W. O. 24 Tape No. St'd 24 °F
Office Work H. U. M. H.	Surveyed by F. H. BLANCHARD
Checked	Notes FHB Date 10-14-48
Date	Indexed C. Jammes

F. B. 1500 Pg. 129

BEACH EROSION

J.N. 8412

SHORE

CROSS SECTIONS FROM STATION 22+50S TO 225+00S BETWEEN EL PORTO BEACH & MANHATTAN BEACH

OCTOBER ~ 1948

Ref.
FB-930
FB-1284
FB-1413

Party
Blanchard
Harris
Natapoff
Heaven

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 SM 11-46

F. B. 1500 Pg. 130

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.		
South					90° ∡	Oct 13, 1:15 PM
210+00(S)	1 23	17 02		15 79	L & T on conc walk	FB 1284-11
			1 40	15 62	43 rt. w. edge conc slab	
			2 60	14 42	67 rt. brk beach	
			6 60	10 40	148 rt. " "	
T.P.	0 00	10 64	6 38	10 64	180.5 rt. 1x2	
			2 30	8 30	197 rt. 87	
			3 60	7 00	220 rt. 220	
TP	2 54	8 58	4 60	6 04		
			5 20	3 40	272 rt	water
			7 70	0 90	339 rt	"
			8 80	-0 20	400 rt	"
			9 80	-1 20	441 rt	"
			10 50	-1 90	481 rt	"

Shore
210+00(S)

Profile Notes Red. Plotted H. U. M. H. Job No. 8412 Division No.
No. Date Date Survey of BEACH EROSION
X-Sec. Notes Chkd. Checked Survey by F. H. BLANCHARD Date 10-14-48
No. Date Date Map No. Indexed Date

F.B. 1504 Pg. 131

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.		
South					90° ∡ Oct 13	3:00 P.M.
200+00(S)	1 31	17 95		16 64	L&T on conc walk	FB1284-11
			1 51	16 40	8' rt w/edge walk	
			1 97	16 00	42' rt brk beach	
			6 71	11 20	101' rt " "	
			7 36	10 60	153 rt " "	
T.P. 1x2	0 05	9 77	8 23	9 12	163' rt " "	1x2
			1 50	[illegible]	181' rt "	
			5 00	2 80	225 rt "	
T.P.	2 90	8 40	4 27	5 50		
			5 90	2 50	285 rt	water
			7 90	0 50	303 rt hole	"
			8 40	0 00	354 rt	"
			9 30	-0 90	403 rt	"
			9 60	-1 20	459 rt	"
			9 90	-1 50	483 rt	"

Shore 200+00 (S)

F.B. 1500 PG. 132 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by F. H. BLANCHARD Notes Blanchard Notes Chkd. Checked
Indexed A. G. Jennings Date 10-11-45 Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

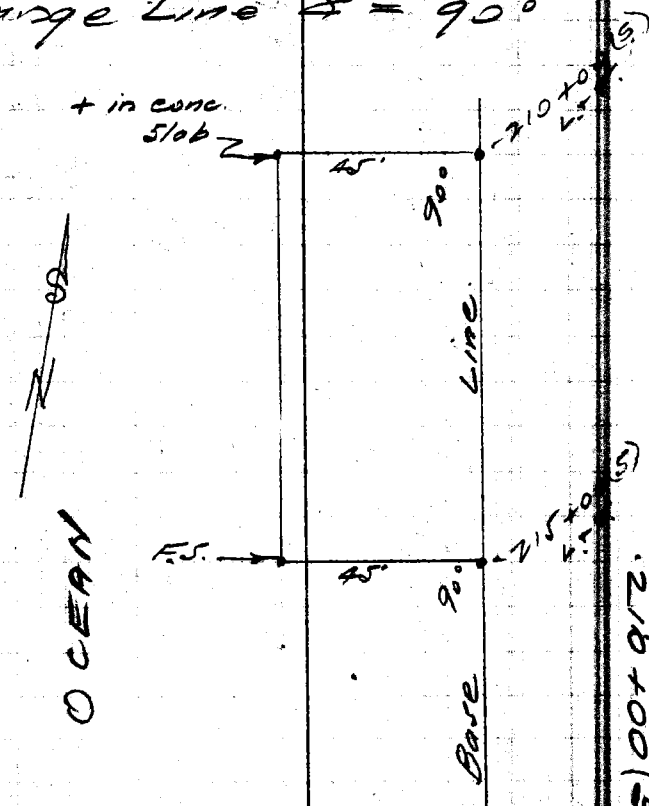
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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
210 +00 (S)	215 +00 (S)	1	R	720	89 20	Range Line ∡ = 90°
		2	Y		89 25	
		3	W		89 20	
		4	Y		89 30	
		5	W		89 40	
		6	R	731	89 35	
		7	Y		90 20	
		8	W		90 35	
		9	Y		89 40	
		10	W		90 00	
		11	R	739	90 00	
		12	Y		90 05	
		13	W		90 30	
		14	Y		90 20	
		15	W		90 10	

On 45' offset to Right of Base line.

On 45' offset to right of base-line.



Range 210+00 (S)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 842 Division No. ____ P.B. 150 No. 133

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

Notes Chkd ____ Checked ____ Survey by [illegible] Date 10-11-44

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
200	210	1	R	8 05	89 00	Range Line ∡ = 90°
+00 (5)	+00 5	2	Y		90 20	
		3	W		90 15	
		4	Y		90 20	
		5	W		90 35	
		6	R	8 16	90 35	
		7	Y		90 20	
		8	W		90 25	
		9	Y		90 25	
		10	W		90 20	
		11	R	8 25	90 15	
		12	Y		90 15	
		13	W		90 00	
		14	Y		91 00	
		15	W		90 30	

Range 200+00 (5)

F.B. 1500 PG. 134 Job No. 842 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Depth Erosion Date Date No. X-Sec.
Survey by Kleinert Notes S.H. 10-11-48 Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

FORM 307 [illegible]

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
200	S-11	1	R	7:20	58° 20'	RANGE LINE 210+00 (S)	
+00		2	Y		56° 20'		
(S)		3	W		54° 00'		
		4	Y		51° 30'		
		5	W		49° 20'		
		6	R	7:30	46° 40'		
		7	Y		44° 55'		
		8	W		43° 10'		
		9	Y		41° 10'		
		10	W		39° 10'		
		11	R	7:38	37° 15		
		12	Y		34° 30'		
		13	W		32° 30'		
		14	Y		29° 15'		
		15	W		25° 40'		

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. [illegible] Station No. ____ F.B. NOO Pg. 135

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-11-[illegible]

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

Cut-in
210+00 (S)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-10	S-11	1	R	8:05	61° 40'	RANGE LINE 200+00(S)	
		2	Y		61° 30'		
		3	W		59° 35'		
		4	Y		57° 30'		
		5	W		55° 35'		
		6	R	8:17	54° 15'		
		7	Y		51° 45'		
		8	W		49° 20'		
		9	Y		47° 25'		
		10	W		44° 40'		
		11	R	8:24	41° 40'		
		12	Y		38° 00'		
		13	W		34° 40'		
		14	Y		30° 05'		
		15	W		27° 30'		

Cut-in 200+00(S)

F.B. 1500 Pg. 136 Job No. [illegible] Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of [illegible] Erasing Date Date No. X-Sec.
Survey by [illegible] Note [illegible] 10-11-48 Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	720	320 297	305 ✓	43	26.2 ✓	Range Line 210+00(S).
2	Y	6:20	302 282	289 ✓	43	24.6 ✓	
3	W		285 267	273 ✓	43	23.0 ✓	
4	Y		269 251	257 ✓	43	21.4 ✓	
5	W		258 239	245 ✓	43	20.2 ✓	
6	R	731	235 227	230 ✓	43	18.7 ✓	
7	Y	6:31	210 201	204 ✓	43	16.1 ✓	
8	W		195 180	185 ✓	43	14.2 ✓	
9	Y		190 173	179 ✓	43	13.6 ✓	
10	W		170 150	157 ✓	43	11.4 ✓	
11	R	739	148 130	136 ✓	43	9.3 ✓	
12	Y	6:39	134 117	123 ✓	43	8.0 ✓	
13	W		120 99	106 ✓	43	6.3 ✓	
14	Y		103 80	88 ✓	43	4.5 ✓	
15	W		72 57	62 ✓	43	1.9 ✓	

Notes copied by Kleinert

Boot 210+00(S)

Profile No. ___ Notes Red. M.J. Plotted H.U.M.H. Job No. 8442 Division No. ___ F.B. 150 Pg. 137
Date 11-5-48 Date ___ Survey of Beach Erosion
X-Sec. No. ___ Notes Chkd. ___ Checked ___ Survey by [illegible] Date [illegible]
Date ___ Date ___ Map No. ___ Indexed Jan [illegible] Date ___

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	805	317 297	304 ✓	43 42	26.1 ✓ 26.2	Range Line 200+00(S)
2	Y	~~7:05~~ 6:05	303 289	294 ✓	43 42	25.1 ✓ 25.2	
3	W		295 281	286 ✓	43 42	24.3 ✓ 24.4	
4	Y		280 270	273 ✓	43 42	23.0 ✓ 23.1	
5	W		275 255	262 ✓	43 42	21.9 ✓ 22.0	
6	R	817	268 242	251 ✓	43 43	~~21.8~~ 20.8	
7	Y	~~7:17~~ 6:17	247 227	234 ✓	43 43	19.1 ✓ 19.1	
8	W		234 215	221 ✓	43 43	17.8 ✓ 17.8	
9	Y		203 190	194 ✓	43 43	15.1 ✓ 15.1	
10	W		183 165	171 ✓	42 43	12.9 ✓ 12.8	
11	R	825	155 145	148 ✓	42 43	10.6 ✓ 10.5	
12	Y	~~7:25~~ 6:25	130 120	123 ✓	42 43	8.1 ✓ 8.0	
13	W		115 95	102 ✓	42 43	6.0 ✓ 5.9	
14	Y		82 60	67 ✓	42 43	2.5 ✓ 2.4	
15	W		75 52	60 ✓	42 43	1.8 ✓ 1.7	

Boat 200+00(S)

Copied by Hlaneck

F.B. 1500 Pg. 138

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

Survey of Beach Erosion Date 11-5-48 Date ____ No. ____

Survey by Hlaneck Notes S.O. 10-11-48 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.		
South					90° ∡ Oct 14 2:20 PM	
190+00(S)	1 49	18 44		16 95	L&T on conc walk	FB1224·11
			1 75	16 69	9' rt w. edge conc walk	
			0 90	17 50	43' rt brk Beach	
			6 50	11 90	114' rt. " "	
			7 20	11 20	150' rt. " "	
			9 10	9 30	166' rt. " "	
T.P.	0 50	7 18	11 76	6 68	206' rt. "	
			4 00	3 18	250' rt. water	
			6 20	1 00	300' rt. "	
			7 40	-20	357' rt. "	
			8 20	-1 00	403' rt. "	
			8 60	-1 40	451' rt. "	
			8 80	-1 60	497 rt. "	
			12 20	-5 00	544 rt.	

Shore
190+00 (S)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 139
X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Survey of Beach Erosion Survey by F.H. BLANCHARD Date 10-14-48
Date ____ Map No. ____ Date ____

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
South S-9					90° ∡	Oct 14, 2:45 P.M.
180+00(S)	061	17 96		17 35	L&T sight on S10	FB1284-11
			086	1710	9' rt w. edge of conc walk	
			050	1746	44' rt brk Beach	
			240	1556	93' rt " "	
			511	1285	122' rt " "	
			1030	766	178' rt "	
T.P 1X1	209	8 20	1185	611	200' rt "	1X1
			620	200	250' rt water	
			810	-010	300 rt "	
			840	-020	350' rt "	
			910	-090	400' rt "	
			1030	-210	452' rt "	
			1180	-360	500' rt "	

Shore 180+00(S)

F.B. 1500 PG. 140 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by F. H. BLANCHARD Notes FHB 10-14-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
190 +00 (S)	"S-10"	1	R	9:45	90° 00'	Range Line ∡ = 90°	
		2	Y		89° 35'		
		3	W		90° 25'		
		4	Y		90° 10'		
		5	W		89° 30'		
		6	R	9:55	89° 45'		
		7	Y		89° 25'		
		8	W		90° 10'		
		9	Y		89° 50'		
		10	W		90° 45'		

Profile No. ____ Notes Red ____ Plotted M. U. M. M. Job No. [illegible] Sketch No. ____ F.B. 1500 No. 161
X-Sec. No. ____ Date ____ Date ____ Survey of [illegible]
Notes Chkd. ____ Checked ____ Date ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Adjust. Journeys Date ____

Range
190+00 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
180 +00 (5)	"5-10"	1	R	7:21	89° 55'	Range ∡ = 90°
		2	Y		89° 35'	
		3	W		88° 55'	
		4	Y		90° 10'	
		5	W		89° 00'	
		6	R	7:31	90° 35'	
		7	Y		89° 20'	
		8	W		90° 40'	
		9	Y		90° 05'	
		10	W		91° 10'	
		11	R	7:38	91° 00'	
		12	Y		91° 00'	
		13	W		90° 25'	
		14	Y		90° 40'	

Range 180+00(5)

F.B. 1500 PG. 142 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Mlaniak Notes H.R. 10-14-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
200 +00	S-11	1	R	9 44	119 55	Range Line 190+00(S)	
		2	Y		121 40		
		3	W		125 50		
		4	Y		129 00		
		5	W		131 35		
		6	R	9 54	134 10		
		7	Y		136 30		
		8	W		139 30		
		9	Y		143 10		
		10	W		148 30		

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 143

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Notes J.W.S.M. Date 10-13-48

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

Cut-in
190+00(S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
190 00 (S)	S-10	1	R	7 20	123 45	Range Line 180+00	
		2	Y		124 50		
		3	W		126 30		
		4	Y		129 15		
		5	W		131 55		
		6	R	7 30	134 20		
		7	Y		136 35		
		8	W		139 20		
		9	Y		141 05		
		10	W		144 20		
		11	R	7 37	147 40		
		12	Y		150 20		
		13	W		151 40		
		14	Y		154 05		

Cut-in 180+00 (S)

F.B. 1500 PG. 144 Job No. 6412 Division No. Notes Red. Plotted M. U. M. H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Mamack Notes Chkd. Checked
Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth		Remarks
1.	R	9 45	30 0 / 29 0	296 ✓	2640	27.0 ✓	25.6	Range Line 190+00(S)
2	Y	~~10:45~~ 8:45	30 0 / 29 0	287 ✓	2640	26.1 ✓	24.7	
3	W		28 5 / 26 0	27.2 ~~268~~	2640	24.6 ✓	23.2	
4	Y		26 3 / 24 7	252 ✓	2540	22.7 ✓	21.2	
5	W		25 0 / 22 3	232 ✓	2540	20.7 ✓	19.2	
6	R	9 55	22 5 / 20 0	208 ✓	2539	18.3 ✓	16.9	
7	Y	~~10:55~~ 8:55	20 0 / 18 7	191 ✓	2539	16.6 ✓	15.2	
8	W		18 5 / 16 0	168 ✓	2539	14.3 ✓	12.9	
9	Y		15 0 / 13 0	137 ✓	2539	11.2 ✓	9.8	
10	W		13 3 / 10 0	111 ✓	2539	8.6 ✓	7.2	Could go in no farther.
11	R							Heavy surf.

Boat. 190+00(S)

Profile No. ____ Date 11-5-48 Notes Red M.J. Plotted H.U.M.H. Job No. 8442 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Beach Erosion
Survey by [illegible] Date [illegible] Map No. ____ Date ____ Date ____

F.B. 1500 Pg. 145

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	7:21	30.7 / 29.0	302	47 44	25.5 25.8	Range Line 180+00 (5)
2	Y	~~7:21~~ 6:21	28.0 / 28.3	284	47 44	23.7 24.0	
3	W		27.2 / 28.5	276	47 44	22.9 23.2	
4	Y		26.2 / 25.5	268	47 44	22.1 22.4	
5	W		24.8 / 24.4	250	47 44	20.3 20.6	
6	R	7:31	22.7 / 21.3	233	47 44	18.6 18.9	
7	Y	~~7:31~~ 6:31	19.5 / 19.5	201	47 44	15.4 15.7	
8	W		18.2 / 18.2	185	47 45	13.8 14.0	
9	Y		16.2 / 15.2	168	47 45	12.1 12.3	
10	W		14.2 / 13.8	145	47 45	9.8 10.0	
11	R	7:38	12.7 / 12.3	131	47 45	8.4 8.6	
12	Y	~~7:38~~ 6:38	10.2 / 10.2	109	47 45	6.2 6.4	
13	W		9.2 / 8.2	94	47 45	4.7 4.9	
14	Y		6.2	69	47 45	2.2 2.4	
15	W						

Boat 180+00 (5)

F.B. 1500 Pg. 146 Job No. 8442 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion Date 10-14-48 No.
Survey by Pioneer Notes S.O. 10-14-48 Checked X-Sec.
Indexed C. Johnson Date Notes Chkd. 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.		
South					90° ∡	Oct 14 3:30 P.M.
170+00(S)	0 35	18 01		17 66	x on conc walk	FB1284-11
			0 66	17 35	9' rt w. edge conc walk	
			1 40	16 60	29 rt brk	Beach
			5 00	13 00	77' rt "	"
			6 10	11 90	98' rt "	"
			11 00	7 00	143 rt "	"
T.P.	2 16	8 31	11 86	6 15	151 rt	"
			6 00	2 30	200' rt	water
			7 90	0 40	253 rt	"
			~~9 50~~	~~1 20~~	~~290' rt~~	"
			8 40	-0 10	290 rt	"
			9 00	-0 70	323' rt	"
			9 20	-0 90	354 rt	"
			10 40	-2 10	405 rt	"
			12 2	-3 90	450 rt	"

Shore
170+00(S)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 147
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd ____ Checked ____ Survey By F.H. BLANCHARD Notes FHB Date 10-14-48
No. ____ Date ____ Date ____ Map No. ____ Indexed J. Jannsen 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.		
					90° ∡ Oct 15	1:55 P.M.
160+00(S)	0 15	17 63		17 48	x in conc walk	FB1284-10
			0 28		West edge of conc walk 4.5 rt.	
			5 70	11 90	52' rt brk Beach	
			6 40	11 20	69' rt "	"
			9 00	8 60	98' rt "	"
T.P.	1 13	7 44	11 32	6 31	129' rt	"
			4 80	2 60	183' rt	water
			6 40	1 00	241 rt	"
			7 10	0 30	300' rt	"
			7 80	-0 40	334' rt	"
			8 50	-1 10	365' rt	"
			8 90	-1 50	408' rt.	"
			12 00	-4 60	450' rt	"

Shore 160+00(S)

F.B. 1505 PG. 148 Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of BEACH EROSION Date Date No.
Survey by H. BLANCHARD Notes F.H.B. 10-15-48 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
170	S-9	1	R	7:55	90° 50'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 35'		
(S)		3	W		90° 25'		
		4	Y		90° 05'		
		5	W		90° 15'		
		6	R	8:03	90° 40'		
		7	Y		90° 15'		
		8	W		90° 25'		
		9	Y		90° 15'		
		10	W		89° 55'		
		11	R	8:11	89° 50'		
		12	Y		89° 55'		
		13	W		90° 40'		
		14	Y		89° 00'		

Range
170+00(S)

Profile No. ____ Notes Red ____ Plotted M.U.M.H. Job No. 842 Division No. ____ F.B. 1500 Pg. 149
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes H.R. Date 10-14-48
No. ____ Date ____ Date ____ Map No. ____ Condensed Transmission Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
160	S-8	1	R	8:32	90° 35'	RANGE LINE ∡ =	90°
+00		2	Y		89° 55'		
(S)		3	W		89° 40'		
		4	Y		89° 40'		
		5	W		89° 00'		
		6	R	8:45	90° 15'		
		7	Y		89° 40'		
		8	W		89° 40'		
		9	Y		89° 15'		
		10	W		89° 55'		
		11	R	9:53	89° 50'		
		12	Y		90° 30'		
		13	W		90° 00'		
		14	Y		91° 20'		

Range 160+00 (S)

F.B. 1500 PG. 150 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Meinecke Notes HR 10-14-48 Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
180+00(S)	S-10	1	R	7 55	121 20	Range Line 170+00
		2	Y		122 45	
		3	W		124 00	
		4	Y		126 35	
		5	W		128 45	
		6	R	8 02	131 15	
		7	Y		134 05	
		8	W		136 45	
		9	Y		139 40	
		10	W		142 15	
		11	R	8 12	146 05	
		12	Y		149 00	
		13	W		152 05	
		14	Y		152 30	
		15	W			

Cut-in 170+00(S)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 5 Pg. 151

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

Date ____ Map No. ____ Indexed Jennson S.H. Date 10-14-48

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
S-8	S9	1	R	8 32	111 05	Range line 160+00
		2	Y		111 40	
		3	W		112 05	
		4	Y		114 10	
		5	W		114 50	
		6	R	8 44	118 20	
		7	Y		120 40	
		8	W		123 05	
		9	Y		126 10	
		10	W		130 30	
		11	R	8 52	133 30	
		12	Y		137 55	
		13	W		140 35	
		14	Y		143 30	

Cut-in 160+00 (5)

P.B. 1500 PG. 152 Job No. 8412 Division No. Notes Red. Plotted M.U.M.M. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Merrick Notes 5 Sept 10/14/48 Notes Chkd. Checked
Indexed R. 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	7:56	30.3	29.6 ✓	4 2 46	25.4 ✓25.0	Range Line (Boat)
2	Y	~~8:56~~	29.3	28.5 ✓	4 2 46	24.3 ✓23.9	
		6:56	32.2	31.4			
			27.7	27.0			
3	W		28.5	27.6 ✓	4 2 46	23.4 ✓23.0	
			27.1				
4	Y		27.3	26.4 ✓	4 2 46	22.2 ✓21.8	
			26.2				
5	W		26.3	25.0 ✓	4 2 46	20.8 ✓20.4	
			24.3				
6	R	8:04	24.8	23.3 ✓	4 1 46	19.2 ✓18.7	
			22.6				
7	Y	~~9:04~~	22.6	20.7 ✓	4 1 46	16.6 ✓16.1	
		7:04	20.3				
8	W		19.3	18.4 ✓	4 1 46	14.3 ✓13.8	
			18.0				
9	Y		17.5	16.5 ✓	4 1 46	12.4 ✓11.9	
			16.7				
10	W		15.2	14.2 ✓	4 1 47	10.1 ✓9.5	
			13.9				
11	R	8:13	14.2	12.8 ✓	4 0 47	8.8 ✓8.1	
			12.1				
12	Y	~~9:13~~	10.8	10.8 ✓	4 0 47	6.8 ✓6.1	
		7:13	8.5				
13	W		7.5	8.0 ✓	4 0 47	4.0 ✓3.3	
			8.4				
14	Y		6.5	7.1 ✓	4 0 47	3.1 ✓2.4	

Profile No. ____ Notes Red ____ Plotted M.U.M.H. Job No. 8417 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion ____ Survey By ____ Map No. ____ Date ____

F.B. 4600 p. 153

Boat
170+00 (15)

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 5002 Pg. 154 | Job No. 5417 | Division No. | Notes Red | Notes Chkd | Plotted M.U.M.H. | Checked | Profile No. | X-Sec. No.

Survey of Beach Erosion | Date | Date | Date | Date

Survey by Mulnaek | Notes Oliver 10-14-48 | Notes | Notes | Date | Date

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

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	8:32	30.2	304 ✓	3847	26.6 ✓ 25.7	Range Line 160+00 (S)
2	Y	~~9:22~~	29.2	293 ✓	3847	25.5 ✓ 23.6	
3	W	8:32	28.2	284 ✓	3847	24.6 ✓ 23.7	
4	Y		27.7	267 ✓	3747	23.0 ✓ 22.0	
5	W		26.2	261 ✓	3747	22.4 ✓ 21.4	
6	R	8:45	25.5	237 ✓	3646	20.1 ✓ 19.1	
7	Y	~~8:45~~	23.5	213 ✓	3646	17.7 ✓ 16.7	
8	W	7:45	21.2	193 ✓	3646	15.7 ✓ 14.7	
9	Y		19.2	166 ✓	3646	13.0 ✓ 12.0	
10	W		17.5	149 ✓	3546	11.4 ✓ 10.3	
11	R	8:52	16.2	133 ✓	3546	9.8 ✓ 8.7	
12	Y	~~9:52~~	14.6	106 ✓	3546	7.1 ✓ 6.0	
13	W	7:52	12.6	86 ✓	3546	5.1 ✓ 4.0	
14	Y		11.3	73 ✓	3546	3.8 ✓ 2.7	
			10.3				
			9.2				
			8.2				
			7.2				
			6.5				

Bat 160+00 (S)

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.	90° ∡ Oct 15	3:00 PM
155+00	1 30	18 57		17 27	X in walk Elev 17.27	FB1284 10
152+50 (S)			5 17	13 40	1x2 in hole	
			4 10	14 50	2' rt ground.	Beach
			5 10	13 50	21' rt brk	"
			6 90	11 70	56' rt "	
			9 40	9 20	79 rt "	
			10 00	8 60	93 rt "	
T.P	0 34	7 18	11 73	6 84	112 rt 1x1	"
			3 80	3 40	150 rt	water
			6 40	0 80	209 rt	"
			6 40	0 80	215 rt brk	"
			7 10	0 10	220 rt "	"
			7 80	-0 60	225 rt "	"
			7 80	-0 60	250 rt	"
			8 70	-1 50	258 rt "	"
			7 50	-0 30	270 rt "	"
			7 80	-0 60	300 rt	"
			8 60	-1 40	350 rt	"
			10 20	-3 00	400 rt.	"
			12 30	-5 10	440 rt	"

Shore
152+50 (S)

Profile Notes Red ____ Plotted M.U.M.H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 155
No. ____ Date ____ Date ____ Survey of BEACH & GOSTON
X-Sec. Notes Chkd ____ Checked ____ Survey by B. BLANCHARD Notes FHB Date 10-15-48
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.	90° ∡ oct 15	3:45 PM.
140+00				12 41	1x1 stk	FB1284-10
142+50 (S)	3 69	17 01		13 32	1x1 in hole	FB1284-10
			2 70	14 30	2 rt ground	
			4 50	12 50	35 rt brk	Beach
			10 50	6 50	100 rt	"
T.P. 1x1	2 17	7 43	11 75	5 26	115 rt	"
			4 70	2 70	150 rt	water
			6 90	0 50	200 rt	"
			8 10	-0 70	250 rt.	"
			8 60	-1 20	305 rt	"
			9 00	-2 00	350 rt	"
			11 00	-3 60	400 rt	"

Shore
142+50 (S)

F.B. 1500 PG. 156 Job No. 8412 Division No. _____ Notes Red _____ Plotted H.U.M.H. Profile
Survey of BEACH EROSION Date _____ No. _____ X-Sec.
Survey by F. H. BLANCHARD Notes F.H.B. 10-25-48 Notes Chkd. _____ Checked _____
Indexed C. Johnson Date _____ Date _____ Date _____ No. _____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
152	S-8	1	R	9:24	90° 10'	RANGE LINE ∡ = 90°	
+50		2	Y		89° 35'		
(S)		3	W		90° 00'		
		4	Y		89° 50'		
		5	W		90° 00'		
		6	R	9:35	90° 00'		
		7	Y		89° 50'		
		8	W		90° 10'		
		9	Y		89° 40'		
		10	W		89° 50'		
		11	R	9:42	90° 10'		
		12	Y		90° 00'		

Range
152+50 (S)

Profile No. ____ Notes Red ____ Plotted M.U.M.M. Job No. 8426 Division No. ____
X.Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes H.R. Date 10-14-48
No. ____ Date ____ Date ____ Map No. ____ Amended Johnson Date ____

F.B. 1500 Pg. 157

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
142	152	1	R	10:05	89° 25'	RANGE LINE ∡ = 90°
+50	+50	2	Y		90° 20'	
(S)	(S)	3	W		89° 50'	
		4	Y		90° 00'	
		5	W		90° 05'	
		6	R	10:16	90° 40'	
		7	Y		90° 35'	
		8	W		90° 55'	
		9	Y		88° 50'	
		10	W		90° 40'	
		11	R	10:25	90° 05'	
		12	Y		90° 05'	
		13	W		90° 40'	
		14	Y		90° 00'	

Range 142+50(S)

F.B. 1506 Pg. 158 Job No. 8442 Division No. Notes Red Date Plotted H.U.M.H. Date No. Profile
Survey of Beach Erosion Notes H.R. 10-14-48 Notes Chkd. Checked Date No. X-Sec.
Survey by Hamack Date
Indexed by C. Johnson Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
S-8	S-9	1	R	9 23	131 35	Range line 152+50	
		2	Y		132 50		
		3	W		136 10		
		4	Y		138 40		
		5	W		142 05		
		6	R	9 34	146 50		
		7	Y		148 10		
		8	W		150 40		
		9	Y		155 05		
		10	W		158 40		
		11	R	9 41	161 45		
		12	Y		163 25		
		13	W				
		14	Y				

Profile No. ____ Date ____ Plotted M.U.M.H. Job No. 84126 Division No. ____ F.B. 150 Pg. 159

Notes Red. ____ Date ____ Survey of Rock Erosion

Fieldbook No. ____ Date ____ Checked ____ Survey by [illegible] Date 10-17-41

Map No. ____ Date ____ Map Chief ____ Date ____

Cut-in 152+50(S)

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	
152+50 (5)	S-8	1	R	10 04	123 40	Range line 142+50	
		2	Y		125 50		
		3	W		128 20		
		4	Y		130 05		
		5	W		133 40		
		6	R	10 15	136 15		
		7	Y		140 35		
		8	W		144 20		
		9	Y		146 30		
		10	W		149 50		
		11	R	10 24	153 00		
		12	Y		154 55		
		13	W		156 10		
		14	Y		160 15		

Cut-in 142+50 (5)

F.B. 500 Pg. 160 Job No. 8442 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion Date 10-14-48 Date No. X-Sec.
Survey by Hanack Notes Sht. 10/14/48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth		Remarks
1	R	9:24	30.3 ~~27.7~~	299 ✓	3.1 44	26.8 ✓	25.5	Range Line 152+50 (5)
2	Y	~~10:24~~ 8:24	30.3 28.7	292 ✓	3 1 44	26.1 ✓	24.8	
3	W		28.2 27.1	274 ✓	3 1 44	24.3 ✓	23.0	
4	Y		26.8 25.2	256 ✓	3 1 44	22.5 ✓	21.2	
5	W		24.3 23.3	236 ✓	3 1 44	20.5 ✓	19.2	
6	R	9:35	22.2 20.2	207 ✓	3 0 43	17.7 ✓	16.4	
7	Y	~~10:35~~ 8:35	20.2 18.2	19 ✓	3 0 43	16.4 ✓	15.1	
8	W		16.8	175 ✓	3 0 43	14.5 ✓	13.2	
9	Y		15.3 14.3	146 ✓	2 9 43	11.7 ✓	10.3	
10	W		12.2 12.3	132 ✓	2 9 43	10.3 ✓	8.9	
11	R	9:43	10.8 9.7	96 ✓	2 8 43	6.8 ✓	5.3	
12	Y	~~10:43~~ 8:43	7.8 7.3	77 ✓	2 8 43	4.9 ✓	3.4	

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 5422 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd ____ Date ____ Checked ____ Date ____ Survey by [illegible] Date ____
Map No. ____ Date ____

F.B. 1500 164

Book
152+50 (5)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

F.B. 1500 Pg. 162

Job No. 8412 Division No. _____ Notes Rec'd _____ Plotted M.U.M.H. Profile

Survey of Beach & Erosion Date _____ No. _____

Survey by Hanneck Notes Chkr 10/14/48 Notes Chkd _____ Checked _____ X-Sec.

Indexed C. Jaspers Date _____ Date _____ No. _____

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth		Remarks
1	R	10:05	31.2	300 ✓	25 41	27.5 ✓	25.9	Range Line 142+50 (S.)
2	Y	~~11:05~~ 9:05	28.2	287 ✓	25 41	26.2 ✓	24.6	
3	W		26.6	271 ✓	25 41	24.6 ✓	23.0	
4	Y		24.5	255 ✓	25 40	23.0 ✓	21.5	
5	W		23.1	237 ✓	25 40	21.2 ✓	19.7	
6	R	10:16	21.5	220 ✓	24 39	19.6 ✓	18.1	
7	Y	~~11:16~~ 9:16	19.2	197 ✓	24 39	17.3 ✓	15.8	
8	W		17.2	181 ✓	24 39	15.7 ✓	14.2	
9	Y		15.[illegible]	161 ✓	23 39	13.8 ✓	12.2	
10	W		13.5	140 ✓	23 39	11.7 ✓	10.1	
11	R	10:26	11.0	115 ✓	22 39	9.3 ✓	7.6	
12	Y	~~11:26~~ 9:26	9.0	105 ✓	22 39	8.3 ✓	6.6	
13	W		8.5	90 ✓	22 39	6.8 ✓	5.1	
14	Y		7.2	57 ✓	22 39	3.5 ✓	1.8	

Boat 142+50 (S)

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.	Oct 18 ∡90°	
					S-6 ∡ pt. Elev 24.469	FB 1284-10
S-6				24.47	1" I.P. with cap in conc.	± 50' N. of Conc. steps
132+50(S)	0.74	15.59		14.85	1x1 stk in hole	
			0.30	15.30	4' rt ground	
			3.60	12.00	69' rt brk	Beach
			6.20	9.40	92' rt "	"
			7.30	8.30	109' rt "	"
T.P. 1x1	2.35	7.29	10.65	4.94	138 rt. "	"
			4.50	2.80	162' rt water	2 P.M.
			6.60	0.70	207' rt "	
			6.90	0.40	250' rt "	
			8.20	-0.90	302' rt "	
			9.20	-1.90	353 rt "	
			10.70	-3.40	402 rt "	
			12.60	-5.30	443 rt "	

Shore
132+50(S)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1500 No. 163
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of Beach Erosion Survey by H. BLANCHARD Notes EHB Date 10-18-48
Map No. ____ Date ____ Indexed Jonnson 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.	Range 90°		Oct 18 1948	
				26.583				
122+50(S)	1 05	26 95		25 90	1x2 on P.E. Ry R/W		FB 1284-9	
			1 60	25 30	13' rt	brk	Beach	PE R/W
			7 30	19 60	42' rt	"	"	" "
			10 70	16 20	69 rt	"	"	" "
T.P.	052	19 12	8 35	18 60				
			4 90	14 20	115' rt		"	
			6 60	12 50	132 rt.	brk	"	
			7 80	11 30	162 rt	"	"	
			9 50	9 60	185 rt	"	"	
			10 00	9 10	204 rt	"	"	
T.P.	061	8 10	11 63	7 49	215 rt		"	
			4 60	3 50	250 rt		"	
			6 90	1 20	300 rt	Water		2.50 PM
			8 10	0 00	350 rt.	"		
			9 00	-0 90	404 rt	"		
			9 50	-1 40	450 rt	"		
			10 60	-2 50	500 rt	"		
			12 30	-4 20	550 rt	"		

Shore 122+50(S)

F.B. 1300 PG. 164 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by F. H. BLANCHARD Notes FHB 10-18-48 Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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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	
132	142	1	R	10:52	89° 40'	RANGE LINE ∡ = 90°	
+50	+50	2	Y		90° 25'		
(S)	(S)	3	W		90° 05'		
		4	Y		89° 50'		
		5	W		90° 35'		
		6	R	11:04	90° 45'		
		7	Y		90° 30'		
		8	W		90° 55'		
		9	Y		90° 35'		
		10	W	11:10	91° 00'		
		11	R		90° 20'		
		12	Y		91° 20'		

Profile No. ____ Notes Red ____ Plotted M.U.M.H. Job No. 8442 Division No. ____ F.R.S. Date 16
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-14-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Checked [illegible] Date ____

Range
132+50(S)

FORM 207 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
122	S-6	1	R	11:35	90° 00'	RANGE LINE ∡ = 90°
+50		2	Y		89° 35'	Out. Missed by Cut-in Inst. See below.
(S)		3	W		89° 20'	
		4	Y		90° 20'	
		5	W		90° 05'	
		6	R	11:44	90° 10'	
		7	Y		90° 15'	
		8	W		90° 20'	
		9	Y		90° 10'	
		10	W		90° 55'	
		11	R	11:49	90° 35	
		*		*	*	Additional Soundings - See above. 10/15/48
	"	1	R	7:36	90° 00'	
		2	Y		90° 10'	
		3	W		90° 15'	
		4	Y		90° 15'	

Range 122+50 (S)

Job No. 8442 Division No. Notes Red. Plotted N. U. M. H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Kleineck Notes H.R. 10-14-48 Notes Chkd. Checked
Indexed C. Jonnson Date Date Date No.

FORM 807 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	
142+50(5) S-8	1	R	10 51	123 55	Range line 132+50	
	2	Y		126 50		
	3	W		129 10		
	4	Y		132 45		
	5	W		136 05		
	6	R	11 02	139 45		
	7	Y		142 45		
	8	W		146 35		
	9	Y		149 25		
	10	W		152 50		
	11	R	11 10	155 30		
	12	Y		157 05		
	13	W				

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

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

Water Chief ____ Checked ____ Survey in [illegible] Date 10-17-48

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

Cut-in
132+50(5)

FORM 307 SM 1-48

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	
122+50	S-6	1	R			Range line 122+50	
		2	Y			Missed. See below.	
		3	W	1138	52 45		
		4	Y		50 05		
		5	W		46 35		
		6	R	1142	44 45		
		7	Y		42 25		
		8	W		39 00		
		9	Y		35 10		
		10	W		32 50		
		11	R	1147	30 30		
			*		*	*	
			Additional Soundings For Those missed above. 10/15/48				
"	"	1	R	7 37	59 30		
		2	Y		58 35		
		3	W		56 05		
		4	Y		53 40		

Cut-in 122+50(5)

F.M. 1500 Pd. 168 Job No. 8417 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 10-14-48 Date No. X-Sec.
Survey by Hemeck Notes S.H. 10/14/48 Notes Chkd. Checked
Indexed by C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth		Remarks
1	R	10 53	29.9 / 28.5	288 ✓	19 35	26.9 ✓	25.3	Range Line 132+50 (S)
2	Y	~~11:53~~ 9:53	28.2 / 27.2	273 ✓	19 35	25.4 ✓	23.8	
3	W		26.5 / 25.0	255 ✓	19 35	23.6 ✓	22.0	
4	Y		25.4 / 23.5	240 ✓	19 35	22.1 ✓	20.5	
5	W		22.5 / 21.5	218 ✓	19 35	19.9 ✓	18.3	
6	R	11:04	20.1 / 18.5	190 ✓	18 34	17.2 ✓	15.6	
7	Y	~~12:04~~ 10:04	18.4 / 16.8	173 ✓	18 34	15.5 ✓	13.9	
8	W		15.3 / 14.3	146 ✓	18 34	12.8 ✓	11.2	
9	Y		14.2 / 12.9	133 ✓	18 34	11.5 ✓	9.9	
10	W		11.5 / 10.3	107 ✓	18 34	8.9 ✓	7.3	
11	R	11 10	9.4 / 8.0	85 ✓	18 33	6.7 ✓	5.2	
12	Y	~~12:10~~ 10:10	7.2 / 6.3	69 ✓	18 33	5.1 ✓	3.6	

Profile No. ____ Date ____ Notes Red ____ Plotted M.U.M.M. Job No. 8447 Division No. ____ F.B. 15 Sheet 169

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Survey of Beach Erosion Survey by [illegible] Date 10-[illegible]

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

Boot 132+50 (S)

FORM 207 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____ Plotted H. U. M. H. Date ____ Checked ____ Date ____ Notes Rec'd ____ Date ____ Notes Chkd ____ Date ____

Division No. 442 Job No. 6442 Notes Driver 10/14/48

Survey of Beach Erosion

Survey by Garrard

Indexed C. J. Rodriguez

F.B./Page 170

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	11:36	38.2	—	16 29		Range Line 122+50(S)
2	Y	~~12:36~~ 10:36	28.7	—	16 29		Out. These ② soundings missed by cut-in inst. For additional shots see below.
3	W		24.2	254 ✓	16 29	23.8 ✓ 22.5	
4	Y		23.2	235 ✓	16 29	21.9 ✓ 20.6	
5	W		21.5	215 ✓	16 29	19.9 ✓ 18.6	
6	R	11:44	20.8	200 ✓	15 28	18.5 ✓ 17.2	
7	Y	~~12:44~~	18.4	176 ✓	15 28	16.1 ✓ 14.8	
8	W	10:44	15.8	158 ✓	15 28	14.3 ✓ 13.0	
9	Y		12.6	126 ✓	15 28	11.1 ✓ 9.8	
10	W		9.5	102 ✓	15 28	8.7 ✓ 7.4	
11	R	11:49	7.5	82 ✓	15 27	6.7 ✓ 5.5	
12	Y	~~12:49~~ 10:49					
			*		*	*	
				Additi'l. Soundings — See above.			
1	R	7:36	32.2	307 ✓	43 45	26.4 ✓ 26.2	10/15/48.
2	Y	~~8:36~~	29.9	297 ✓	43 45	25.4 ✓ 25.2	
3	W	6:36	28.2	287 ✓	43 45	24.4 ✓ 24.2	
4	Y		26.2	272 ✓	43 45	22.9 ✓ 22.7	

Boot 122+50(S)

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.		
					Range 90°∡	Oct 18
112+50(S)	2.49	28.08		25.59	1x2 stk Elev 25.59	FB 1413-57 hole
			2.30	25.80	2' rt	Beach. PE R/W
			2.10	26.00	29' rt brk	" PE R/W
			8.70	19.40	42' rt "	" " "
T.P.	0.44	16.82	11.78	16.38	1x1	
			4.30	12.50	119' rt "	"
			5.70	11.10	144 rt "	"
			9.50	7.30	193 rt "	"
T.P.	1.75	6.68	11.89	4.93	235 rt 1x1	"
			3.40	3.30	250 rt	"
			5.40	1.30	285 rt water	3.35 PM
			6.30	0.40	350 rt "	
			7.10	-0.40	400 rt "	
			8.10	-1.40	451 rt "	
			10.20	-3.50	510 rt "	
			11.80	-5.10	550 rt "	

Shore
112+50(S)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1500 Pg. 171
No. ____ Date ____ Date ____ Survey of BEACH EROSION
X-Sec. Notes Chkd ____ Checked ____ Survey by F. H. BLANCHARD Notes FHB Date 10-18-48
No. ____ Date ____ Date ____ Map No. ____ Indexed JOHNSON 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.		
102+50(S)	084	27 05		2621	1x1 stk. flush	FB1284-8 FB1413-57
			020	2680	22' rt brk	PE R/W
			890	18 10	43 rt brk	" "
T.P.	011	17 83	933	1772		
			630	1 50	119 rt brk	Beach
			710	1070	146 rt "	"
T.P.	053	8 66	970	213	178 rt	" 1x2
			620	250	250 rt	
T.P.	247	4 97	616	250		
			430	1070	300 rt	beach
			470	230	350 rt	water 4:25PM Oct 19
			550	-[illegible]50	400 rt	"
			690	-[illegible]90	450 rt	"
			830	-[illegible]30	500 rt	"
			870	-[illegible]10	550 rt.	"

Shore
102+50(S)

F.B. 150 PG. 172 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by F. H. BLANCHARD Notes FHB 10-19-48 Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
112	S-6	1	R	8:04	90° 20'	RANGE LINE ∡ = 90°	
+50		2	Y		90° 05'		
(S)		3	W		90° 00'		
		4	Y		89° 55'		
		5	W		89° 55'		
		6	R	8:17	90° 20'		
		7	Y		90° 10'		
		8	W		90° 20'		
		9	Y		90° 05'		
		10	W		89° 30'		

Profile No. ____ Notes Red ____ Plotted M.U.M.M. Job No. 842 Division No. ____ F.B. 1500 Pg. 173

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-15-48

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

Range 112 + 50 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	Inst. Sight At	B. S. On	H. I.	F. S.	ELEV.		
		#	Color	Time	Hor. Ang.		Remarks
102	S-6	1	R	8:56	90°30'	RANGE LINE ∡ =	90°
+50		2	Y		89°05'		
(S)		3	W		89°50'		
		4	Y		89°15'		
		5	W		89°45'		
		6	R	9:11	89°30'		
		7	Y		90°30'		
		8	W		89°30'		
		9	Y		89°50'		
		10	W		89°50'		
		11	R	9:19	89°50'		
		12	Y		87°40'		

Range
102 +50 (S)

F.B. 1500 Pg. 174 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No.
Survey by Fleweck Notes H.R. 10-15-48 Notes Chkd. Checked X-Sec.
Indexed C. Jones Date Date Date No.

FORM 307 5M 1-46

31 00

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	
102+50 S-6	1	R	8 05	60 00	Range Line 112+50(5)	
	2	Y		57 45		
	3	W		55 30		
	4	Y		50 10		
	5	W		46 35		
	6	R	8 19	43 20		
	7	Y		40 40		
	8	W		38 25		
	9	Y		35 35		
	10	W		32 20		
	11	R			31 00	

Profile No. ____ Notes Red ____ Plotted H.U.M.M. Job No. 8442 Division No. ____ P.B. 1500 Pg. 175

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

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10/15/48

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

Cut-in 112+50(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	
92+50	S-5	1	R	8 57	61 05	Range Line 102+50	
		2	Y		56 30		
		3	W		54 30		
		4	Y		51 05		
		5	W		48 10		
		6	R	9 12	44 25		
		7	Y		42 00		
		8	W		39 40		
		9	Y		35 45		
		10	W		33 20		
		11	R	9 21	30 30		
		12	Y		29 00		
		13	W				
		14					

Cut-in
102+50(S)

F.B. 1500 Pg. 176 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Maurice Notes Chkd. Checked
Indexed C. Jones Date Date Date No.

FORM 307 SM 1-46

LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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
			21.5					
1	R	9:03	29.8	304✓	4.6 50	25.8✓	25.4	Range Line 112+50 (S)
2	Y	~~9:03~~ 7:03	30.3	293✓	46 50	24.7✓	24.3	
			28.8					
3	W		28.8	279✓	45 50	23.4✓	22.9	
			27.5					
4	Y		27.2	257✓	45 50	21.2✓	20.7	
			25.6					
5	W		24.7	236✓	44 50	19.2✓	18.6	
			23.2					
6	R	9:18	22.2	217✓	43 51	17.4✓	16.6	
			21.2					
7	Y	~~9:18~~ 7:18	21.5	200✓	43 51	15.7✓	14.9	
			19.3					
8	W		18.2	173✓	43 51	13.0✓	12.2	
			16.8					
9	Y		17.5	155✓	43 51	11.2✓	10.4	
			14.5					
10	W		14.2	134✓	43 51	9.1✓	8.3	Could not go in any
			13.2					
11	R							farther - Heavy Surf

Boat
112+50(S)

Profile Notes Red Pen ✓ Plotted HUM H Job No. 1467 Division No.
No. Date 11-8-48 Date Name Chkd. Checked Survey of Frank Estero
No. Date Date Map No. Chief Engineer Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

F.B. No. 178 Job No. 8417 Division No. Notes Red. Date 11-8-48 Plotted M.L.M.H. Profile No. X-Sec. No.

Survey of Beach Erosion Notes Checked Date No.

Survey by Hayes Notes Chkd. Date

Indexed C. Johnson Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	8:55	32.2 / 30.2	309	3.9 51	27.0 / 25.8	Range Line 102+50(S)
2	Y	~~9:55~~ 7:55	30.2 / 28.4	290	3.9 51	25.1 / 23.9	
3	W		28.3 / 27.2	274	3.8 51	23.6 / 22.3	
4	Y		27.5 / 26.2	265	3.8 51	22.7 / 21.4	
5	W		25.5 / 24.2	246	3.7 51	20.9 / 19.5	
6	R	9:10	24.2 / 21.7	225	3.6 50	18.9 / 17.5	
7	Y	~~10:10~~ 8:10	21.8 / 20.2	206	3.[illegible] 50	17.0 / 15.6	
8	W		20.2 / 18.2	188	3.[illegible] 50	15.2 / 13.8	
9	Y		16.7 / 15.5	159	3.[illegible] 50	12.3 / 10.9	
10.	W		14.7 / 12.5	132	3.[illegible] 50	9.7 / 8.2	
11	R	9:18	12.2 / 10.2	107	3.5 49	7.2 / 5.8	
12	Y	~~10:18~~ 8:18	11.4 / 8.7	96	3.[illegible] 49	6.1 / 4.7	Dangerous surf.

Boat. 102+50(S)

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.		
92+50(S)	1.20	29.42		28.22	1x2 stk. flush El. 28.223	FB 1413-57
			1.90	27.50	31' rt. brk PE	R/W
			9.20	20.20	50' rt. " "	" & Beach
T.P.	0.48	18.99	10.91	18.51		
			2.80	16.20	75' rt "	Beach
			6.90	12.10	121' rt	
			8.00	11.00	151' rt "	"
			9.70	9.30	169 rt "	"
T.P.	0.82	9.70	10.11	8.88	184 rt "	"
T.P.	1.70	5.04	6.36	3.34	250' rt	"
			3.50	1.50	300 rt	"
			4.10	0.90	350' rt Water	4:00PM Oct 19
			5.00	0.00	400 rt "	
			5.90	-0.90	450' rt "	
			7.20	-2.20	500' rt "	
			8.30	-3.30	550 rt "	

Shore
92+50(S)

Profile Notes Red. Plotted H.U.M.H. Job No. 8412 Division No.
No. Date Date Survey of SEL. PROJECT
X-Sec. Notes Chkd. Checked Survey By F.H. BLANCHARD Date FHB Date 10-19-48
No. Date Date Map No. Made by Johnson Date

F.B. 1500 No. 179

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.		
82+50(S)	0 87	29 79		28 92	1x2 stk. Elev 28.92 per C.V.C.	
			0 70	29 10	22' rt brk P.E. R/W	
			11 40	18 40	50' rt " "	" & Beach
T.P.	0 76	19 42	11 13	18 66		
			6 00	13 42	100 rt brk	Beach
			8 20	11 20	125 rt "	"
T.P.	0 82	9 39	10 85	8 57	164 rt "	"
T.P.	2 54	6 95	4 98	4 41		
			4 20	2 [illegible]	250 rt	
			5 60	1 40	300' rt water	3:40 pm oct 19
			7 00	0 00	350' rt "	
			7 30	~0 30	400' rt "	
			8 00	-1 00	450 rt "	
			8 30	-1 30	500 rt "	
			11 00	-4 00	550 rt "	

Shore 82+50(S)

F.B. 1500 PG. 180 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of BEACH EROSION Date Date No. X-Sec.
Survey by H. BLANCHARD Notes FHB 10-19-48 Notes Chkd Checked
Indexed C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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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	
92	S-5	1	R	9:38	89° 45'	RANGE LINE ∡ = 90°	
+50		2	Y		89° 30'		
(S)		3	W		89° 50'		
		4	Y		90° 00'		
		5	W		89° 55'		
		6	R	9:50	91° 05'		
		7	Y		90° 55'		
		8	W		91° 25'		
		9	Y		90° 15'		
		10	W		90° 40'		
		11	R	9:57	89° 40'		
		12	Y		90° 00'		

Range
92 + 50 (S)

Profile Notes Red ____ Plotted M.U.M.H. Job No. [illegible] Division No. ____ F.B. [illegible]
No. ____ Date ____ Date ____ Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date D-15-46
No. ____ Date ____ Date ____ Map No. ____ Checked Job Name Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
82	S-4	1	R	10:19	89° 40'	RANGE LINE ∡ = 90°	
+50		2	Y		90° 15'		
(S)		3	W		89° 50'		
		4	Y		89° 50'		
		5	W		90° 20'		
		6	R	10:30	89° 25'		
		7	Y		89° 30'		
		8	W		89° 15'		
		9	Y		91° 10'		
		10	W		91° 30'		
		11	R	10:38	89° 30'		
		12	Y		90° 50'		
		13	W		91° 45'		

Range 82+50 (S)

F.B. Sect. 182 Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date No. X-Sec.
Survey by Maurer Notes H.R. 10-15-48 Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
1024 50	S-6	1	R	9 40	120 25	Range line	92+50
		2	Y		122 10		
		3	W		126 30		
		4	Y		129 55		
		5	W		133 30		
		6	R	9 51	137 10		
		7	Y		140 50		
		8	W		143 20		
		9	Y		146 45		
		10	W		149 10		
		11	R	9 58	150 15		
		12	Y		151 50		
		13	W				

Cut-in
92+50(S)

Profile No. ___ Notes Red ___ Plotted M. U. M. M. Job No. [illegible] Drawing No. ___ Date ___ Date ___ Survey of Beach Erosion
M-Sec. ___ Map Chkd. ___ Checked ___ Date ___ Date ___ Map No. ___ Date ___

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
92+50	S-5	1	R	10 20	121 25	Range line	82+50
		2	Y		123 05		
		3	W		125 25		
		4	Y		128 50		
		5	W		130 40		
		6	R	10 31	132 50		
		7	Y		136 15		
		8	W		138 50		
		9	Y		142 20		
		10	W		145 00		
		11	R	10 39	146 25		
		12	Y		148 25		
		13	W		150 50		

Cut-in 82+50(S)

Profile
Plotted M.U.M.M. Date 11/23/48 No.
X-Sec.
Checked Date No.
Notes Red Date
Notes Chkd Date
Job No. 8425 Division No.
Survey of Peach Erosion
Survey by Hancock Notes SH 10/15/48
Indexed C. Johnson Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth		Remarks
1	R	9:38	31.4 / 29.9	30.4 ✓	3.1 48	27.3 ✓	25.6	Range Line 92+50 (5)
2	Y	~~10:38~~ 8:38	30.5 / 29.5	29.2 ✓	3.1 48	26.1 ✓	24.4	
3	W		29.5 / 26.2	27.0 ✓	3.1 48	23.9 ✓	22.2	
4	Y		26.2 / 24.2	24.7 ✓	3.0 48	21.7 ✓	19.9	
5	W		25.2 / 22.3	23.3 ✓	3.0 48	20.3 ✓	18.5	
6	R	9:50	22.2 / 20.4	21.0 ✓	2.9 47	18.1 ✓	16.3	
7	Y	~~10:50~~ 8:50	20.2 / 17.7	18.5 ✓	2.9 47	15.6 ✓	13.8	
8	W		17.7 / 16.2	16.6 ✓	2.9 47	13.7 ✓	11.9	
9	Y		15.2 / 13.2	13.8 ✓	2.9 47	10.9 ✓	9.1	
10	W		13.5 / 11.2	11.8 ✓	2.9 47	8.9 ✓	7.1	
11	R	9:57	12.5 / 10.2	10.8 ✓	2.8 47	8.0 ✓	6.1	
12	Y	~~10:57~~ 8:57	10.2 / 8.2	8.9 ✓	2.8 47	6.1 ✓	4.2	Dangerous Surf.

Profile No. ____ Notes: Red ____ Blue ____ Plotted H.U.M.H. Job No. 1412 Division No. ____ F.B. 1500 pg. 111
Date 11-8-48 Date 11/23/48 Survey of Beach Erosion
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Drafted ____ Date ____

Boat ft.
92+50(5)

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 1500 No. 186 Job No. 8412 Division No. Notes Red. 2nd Date 11-8-48 Plotted H. U. M. H. Date 11/28/48 No. Profile
Survey of Beach Erosion Notes Chkd. Date 10-15-48 Checked Date X-Sec.
Survey by Jenness Notes Date Date No.
Indexed C. Jordan Date Date

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide		Adj. Depth	Remarks
1	R	10:19	~~290~~ 290 ~~293~~ 293	297 ✓	2.4	44	27.3 ✓ 25.3	Range Line 82+50
2	Y	~~11:19~~	~~280~~ 280	285 ✓	2.1	44	26.1 ✓ 24.1	
3	W	9:19	285 ~~270~~ 270	275 ✓	2.1	44	25.1 ✓ 23.1	
4	Y		~~280~~ 280 ~~257~~ 257	265 ✓	2.3	43	24.2 ✓ 22.2	
5	W		267 ~~245~~ 245	252 ✓	2.3	43	22.9 ✓ 20.9	
6	R	1030	~~252~~ 252 ~~233~~ 233	239 ✓	2.2	42	21.7 ✓ 19.7	
7	Y	~~11:30~~	~~232~~ 232 ~~215~~ 215	221 ✓	2.2	42	19.9 ✓ 17.9	
8	W	9:30	210 ~~187~~ 187	195 ✓	2.2	42	17.3 ✓ 15.3	
9	Y		~~180~~ 180 ~~162~~ 162	168 ✓	2.2	42	14.6 ✓ 12.6	
10	W		170 ~~140~~ 140	150 ✓	2.2	41	12.8 ✓ 10.9	
11	R	10:38	~~145~~ 145 ~~123~~ 123	130 ✓	2.1	41	10.9 ✓ 8.9	
12	Y	~~11:38~~	~~145~~ 145 ~~115~~ 115	122 ✓	2.1	41	10.1 ✓ 8.1	
13	W	9:38	~~105~~ 105 ~~92~~ 92	95 ✓	2.1	41	7.4 ✓ 5.4	Dangerous Surf.
	Y							
	W							

Boat 52+50(S)

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.			
72+50(S)	1 62	308 0		29 18	1x2 flush.		
			1 40	29 40	27 rt	brk	PE R/W
			10 00	20 80	50 rt	"	" & Beach
T.P.	0 19	19 72	11 27	19 53			
			7 20	12 50	105 rt	"	Beach
			8 30	11 40	130 rt	"	"
T.P.	0 48	9 20	11 00	8 72	175 rt	brk	" 1x2
			6 00	3 20	250 rt	beach	
			8 30	0 90	306 rt		water 3:20 PM oct 19
			8 50	0 70	370 rt		"
			9 30	-0 10	450 rt		"
			11 90	-2 70	500 rt		"
			13 00	-3 80	540 rt		

Shore
72+50(S)

Profile
No. ____ Date ____ Notes Red. ____ Plotted M.L.M.M. Job No. 8412 Division No. ____
X-Sec. Date 11/23/48 Survey of BEACH EROSION
No. ____ Notes Chkd. ____ Checked ____ Survey By H. BLANCHARD Notes FHB Date 10-19-48
Date ____ Date ____ Map No. ____ Index Jahnsen Date ____

F.B. 1500 Pg. 187

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.			
US3646	035	30 99		30 64	US3646	El. 30.64	FB1284-7
62+50 (S)			1 96	29 03	1x2 stk		
			1 30	29 70	241 rt	brk	PE R/W
			11 00	20 00	50 rt	"	" & Beach
T.P.	128	21 15	11 23	19 87	1x2		
			8 60	12 60	130' rt	brk	Beach
			9 60	11 60	174 rt	"	"
			11 40	9 80	191 rt	"	"
T.P.	096	10 17	11 94	9 21	212 rt	1x2	
T.P.	089	6 54	4 52	5 65			
			4 90	1 60	300 rt	water	300 PM oct 19
			6 50	[illegible]	350 rt	"	
			6 30	0 20	400 rt	"	
			7 30	-0 80	450 rt	"	
			8 00	-1 50	500 rt	"	
			10 00	-3 50	550 rt	"	

Shore
62+50 (S)

F.B. 1500 PG. 188

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

Survey of BEACH EROSION Date ____ Date 11/28/48 X-Sec.

Survey by F. H. BLANCHARD Notes FHB 10-19-48 Notes Chkd. ____ Checked ____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
72	S-3A	1	R	10:58	90° 25'	RANGE LINE ∡ = 90°	
+50		2	Y		91° 05'		
(S)		3	W		90° 10'		
		4	Y		90° 15'		
		5	W		89° 50'		
		6	R	11:07	90° 50'		
		7	Y		89° 50'		
		8	W		90° 50'		
		9	Y		90° 40'		
		10	W		89° 15'		
		11	R	11:15	91° 20'		
		12	Y		92° 10'		

Profile Notes Red ____ Plotted M.U.M.H. Job No. [illegible] Division No. ____ F.B. [illegible]
No. ____ Date ____ Date 11/23/48 Survey of [illegible] Date 10-15-48
X-Sec. Notes Chkd ____ Checked ____ Survey by [illegible] Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed P. Jeppers Date ____

Range 72+50(S)

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
62	S-3A	1	R	11:28	90° 25'	RANGE LINE ∡ = 90°	
+50		2	Y		90° 10'		
(S)		3	W		89° 40'		
		4	Y		89° 55'		
		5	W		90° 40'		
		6	R	11:38	90° 30'		
		7	Y		90° 50'		
		8	W		89° 10'		
		9	Y		90° 45'		
		10	W		90° 00'		
		11	R	11:46	91° 25'		

Range 62 + 50 (S)

F.B. 1500 Pg. 190 Job No. 8442 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of Grand Erosion Date 11/23/48 No.
Survey by Hancock Notes H.E. 10-15-48 Notes Chkd. Checked X-Sec.
Indexed C. Jannson 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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
82+50	S-4	1	R	10 58	123 55	Range line 72+50	
		2	Y		126 10		
		3	W		128 10		
		4	Y		131 30		
		5	W		134 30		
		6	R	11 08	136 05		
		7	Y		137 25		
		8	W		140 05		
		9	Y		143 40		
		10	W		144 55		
		11	R	11 16	147 30		
		12	Y		150 30		
		13	W				

Profile No. ____ Notes Red ____ Plotted M.U.M.H. Job No. 8426 Division No. ____ F.B. 1500 Pg. 191

X-Sec. No. ____ Date ____ Date 4/25/48 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-15-45

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

Cut-in 72+50 (S)

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	
72+50	S-3A	1	R	11 30	122 50	Range line	62+50
		2	Y		123 55		
		3	W		127 55		
		4	Y		131 10		
		5	W		134 45		
		6	R	11 39	136 25		
		7	Y		138 15		
		8	W		140 35		
		9	Y		142 45		
		10	W		144 05		
		11	R	11 48	146 40		
		12	Y				
		13	W				

Cut-in
62+50 (5)

Profile
Plotted M.U.M.H. No.
Date 11/23/48
X-Sec.
Checked
Date
No.
Notes Red.
Date
Notes Chkd.
Date
Division No.
Job No. 84125
Survey of Beach Erosion
Survey by Meweck
Notes S.H. 10/15/48
Indexed C. Johnson
Date
F.B. 3000 Pg. 192

FORM 307 5M 1-48

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	10.58	30.2 28.7	292	1.9	3.8	27.3	25.4	Range Line 72+50
2	Y	~~11:58~~ 9:58	29.2 27.0	277	1.9	3.8	25.8	23.9	
3	W		27.8 25.8	265	1.9	3.8	24.6	22.7	
4	Y		25.3 24.2	244	1.8	3.8	22.6	20.6	
5	W		23.2 22.2	230	1.8	3.8	21.2	19.2	
6	R	11:07	22.4 21.1	215	1.7	3.7	19.8	17.8	
7	Y	~~12:07~~ 10:07	20.2 18.7	191	1.7	3.7	17.4	15.4	
8	W		19.3 16.9	177	1.7	3.7	16.0	14.0	
9	Y		19.2 13.9	156	1.7	3.6	13.9	12.0	
10	W		14.0 12.5	129	1.7	3.6	11.2	9.3	
11	R	11:15	13.3 10.9	117	1.6	3.5	10.1	8.2	
12	Y	~~12:15~~ 10:15	10.5 8.2	88	1.6	3.5	7.2	6.3	Dangerous Surf

Profile Notes Red No. 1 Date 11-8-48 Plotted M.U.M.H. Job No. 144 Division No.
Yellow Date 11-23-48 Checked Survey at Beach Erosion
White Date Survey by Richard Johnson Date
No. Date Map No. Date

F.B. 15 Page 142

Boot
72+50 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth		Remarks
1	R	11:28	29.7 28.2	287 ✓	1.5	33	27.2 ✓ 25.4	Range Line 62+50
2	Y	~~12:28~~ 10:28	30.2 26.2	275 ✓	1.5	33	26.0 ✓ 24.2	
3	W		26.4 25.0	255 ✓	1.5	33	24.0 ✓ 22.2	
4	Y		24.9 23.9	242 ✓	1.5	32	22.7 ✓ 21.0	
5	W		23.3 20.5	214 ✓	1.5	32	19.9 ✓ 18.2	
6	R	11 38	21.3 18.3	193 ✓	1.4	31	17.9 ✓ 16.2	
7	Y	12:38 10:38	19.3 16.5	174 ✓	1.[illegible]	31	16.0 ✓ 14.3	
8	W		15.7 14.8	151 ✓	1.[illegible]	31	13.7 ✓ 12.0	
9	Y		15.0 12.9	136 ✓	[illegible]	31	12.2 ✓ 10.5	
10	W		13.3 11.3	120 ✓	1.[illegible]	30	10.6 ✓ 9.0	
11	R	11:46	12.0 9.5	103 ✓	1.4	30	8.9 ✓ 7.3	Dangerous Surf.
		~~12:46~~ 10:46						

Boat 62+50 (S)

F.B. 150 PG. 194 Job No. 842 Division No. Notes Rdd. M.D. Plotted M.U.M.H. Profile
Survey of Beach Erosion Date 11-8-48 Date 11/23/48 No. X-Sec.
Survey by Maneck Notes Olivas 10-5-48 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

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
					T.B.M. Elev. 27.286 - F.B. 1413 - 5C	
T.B.M. 47+50	2.82	30.11		27.286	EHALK ☒ Top of SEA WALL opp. 47+50	
52+50(S)			1.07	29.04	BT.S.A.T. IN PAV. - (NEW.)	
31.20 RT			2.89	27.22	Top Sea Wall	
" "			7.1	23.0	Base of " - Beach	
T.P. 70' RT.	0.44	19.22	11.33	18.78	T.P. 1x2 on Beach	
120' "			5.0	14.2	Beach BRK	
160 "			7.5	11.7	" "	
193 "			7.6	11.6	" "	
~~204~~			9.20	10.00	204' rt brk	Beach "
			10.10	9.10	225' rt brk	"
TP	0.66	8.21	11.67	7.55	237' rt "	1x2
			5.50	2.70	288' rt water	240 PM Oct 19
			8.30	-0.10	350' rt "	
			8.70	-0.50	400' rt "	
			9.40	-1.20	450' rt. "	
			10.30	2.10	500' rt	
			10.70	-2.50	550 rt	

Profile Notes Red ____ Plotted M.U.M.H. Job No. 8412 Division No. ____ 13 F.B. 1413 Pg. 1-5

No. ____ Date ____ Date 11/24/46 Survey of BEACH EROSION

X-Sec. ____ Notes Check ____ Checked ____ Survey by E. KLEE Notes Check E.K.K. Date 10-6-46

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

Shore 52+50(S)

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.		
T.B.M.					T.B.M. - EL. 27.286 - F.B. 1413-56 -	
	6.66	33.95		27.286	CHALK □ ON W. Edge SEA WALL - OPP. STA. 47+50	
T.B.M.	2.88	30.23	6.60	27.35	T.B.M. - COR. of SEA WALL	N. side M.H. ±66' N. of 44th ST.
						RANGE ∡ 90°
42+50 (S)			1.14	29.09	1X2 STAKE - Flush -	
11' RT			1.6	28.6	Top SL -	W. R/W P.E. R/y
40 "			11.3	1[illegible].9	Toe "	" "
45 " T.P.	0.90	19.30	11.83	1[illegible].40	T.P. 1X2 - Flush -	BEACH - BRK
100' RT			5.2	1[illegible].1		" "
135 "			7.2	1[illegible].1		" "
160 "			7.7	1[illegible].6		" "
170.8 T.P.	[illegible]07	12.78	8.59	1[illegible].71	T.P. 1X2 & TIN	
			3.50	9.30	187' rt brk	Beach
			3.50	9.30	210' rt "	"
T.P.	3.14	8.00	7.92	4.86	243 rt 1X2	
			5.60	2.40	282 rt	water 2:15PM Oct 19
			7.40	0.60	350 rt	"
			8.00	0.00	402 rt	"
			9.20	-1.20	453' rt	"
			10.70	-2.70	500 rt	"
			12.30	-4.30	544 rt	"

Shore 42+50 (S)

B/Sa PG. 196 | 14 Job No. 8412 Division No. Notes Red. Plotted M.U.M.H. Profile
Survey of BEACH EROSION - EL PORTO Date 11/23/48 No.
Survey by C.V. CRUMLEY Notes C.V.C. Notes Chkd. Checked No. X-Sec.
Indexed C. Johnson Date 10-7-8-48 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	
52	S-2	1	R	7:45	89° 45'	RANGE LINE ∡ = 90°	
+50		2	Y		90° 05'		
(S)		3	W		90° 05'		
		4	Y		90° 20'		
		5	W		90° 05'		
		6	R	8:00	90° 05'		
		7	Y		90° 00'		
		8	W		90° 00'		
		9	Y		89° 50'		
		10	W		90° 05'		
		11	R	8:07	90° 20'		
		12	Y		90° 35'		
		13	W		90° 20'		
		14	Y		90° 15'		
		15	W		90° 35'		
		16	R	8:13	90° 45'		

Profile No. ____ Notes Red ____ Plotted H.U.M.M. Job No. 5442 Division No. ____ F.B. 5 No. 183
Date ____ Date 11/23/48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-18-48
No. ____ Date ____ Date ____ Map No. ____ Checked Interested Date ____

Range
52+50 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
42	S-2	1	R	8:31	89° 50'	RANGE LINE ∡ = 90°
+50		2	Y		90° 10'	
(S)		3	W		90° 25'	
		4	Y		90° 45'	
		5	W		90° 25'	
		6	R	8:45	90° 20'	
		7	Y		90° 10'	
		8	W		90° 10'	
		9	Y		90° 20'	
		10	W		90° 40'	
		11	R	8:52	90° 35'	
		12	Y		90° 50'	
		13	W		90° 40'	
		14	Y		91° 00'	
		15	W		90° 35'	
		16	R	8:57	90° 25'	
		17	Y		91° 25'	

Range 42+50(S)

F.B. 1560 PG. 198 Job No. 84125 Division No. Notes Red. Plotted H. U. M. M. Profile
Survey of Beach Erosion Date 11/23/48 No. X-Sec.
Survey by Meinert Notes H.R. 10-18-48 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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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	
62+50 S-3A	1	R	7 45	117 05	Range line 52+50 (S)	
	2	Y		118 45		
	3	W		121 05		
	4	Y		123 45		
	5	W		125 55		
	6	R	8 00	129 20		
	7	Y		130 20		
	8	W		132 45		
	9	Y		134 15		
	10	W		137 05		
	11	R	8 07	139 45		
	12	Y		142 05		
	13	W		145 05		
	14	Y		147 15		
	15	W		150 35		
	16	R	8 13	152 25		

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 847 Division No. ____ F.B. 1500 Pg. 149
X-Sec. No. ____ Date ____ Date 11/23/48 Survey of Leach Erosion
Notes Chkd. ____ Checked ____ Survey by Hancock Notes S.H. Date 10-18-48
No. ____ Date ____ Date ____ Map No. ____ Indexed Jon Reed Date ____

Cut-In
52+50 (S)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At 627 50	Sight On S-3A	#	Color	Time	Hor. Ang.	Remarks	
		1	R	8 32	136 30	Range line 42+50 (5)	
		2	Y		138 45		
		3	W		141 40		
		4	Y		144 45		
		5	W		147 15		
		6	R	8 45	148 10		
		7	Y		149 45		
		8	W		151 15		
		9	Y		153 25		
		10	W		154 55		
		11	R	8 53	157 05		
		12	Y		158 50		
		13	W		160 00		
		14	Y		161 25		
		15	W		162 40		
		16	R	8 58	163 50		
		17	Y		164 30		

Cut in 42+50 (5)

F.B. 1300 PG. 200

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

Survey of Beach Erosion Date 11/23/48 No. X-Sec.

Survey by Maineck Notes S.H. 10/18/48 Notes Chkd. Checked Date No.

Indexed A. C. Johnson Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. – Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide		Adj. Depth		Remarks
			31.0						
1	R	7:44	29.8	30✓	5.8	49	24.4✓	25.3	Range Line 52+50 (E)
		~~8:44~~	31.5						
2	Y	6:44	30.0	30.5✓	5.8	49	24.7✓	25.6	
			30.1						
3	W		29.0	29.4✓	5.8	49	23.6✓	24.5	
			29.3						
4	Y		28.0	28.4✓	5.8	49	22.6✓	23.5	
			28.5						
5	W		27.0	27.5✓	5.8	49	21.7✓	22.6	
			25.3						
6	R	7:59	24.8	25.0✓	5.8	50	19.2✓	20.0	
		~~8:59~~	24.7						
7	Y	6:59	23.0	23.6✓	5.8	50	17.8✓	18.6	
			22.2						
8	W		21.0	21.4✓	5.8	50	15.6✓	16.4	
			21.0						
9	Y		20.0	20.3✓	5.8	50	14.5✓	15.3	
			19.1						
10	W		18.1	18.4✓	5.8	51	12.6✓	13.3	
			17.2						
11	R	8:07	16.0	16.4✓	5.7	52	10.7✓	11.2	
		~~9:07~~	15.1						
12	Y	7:07	14.3	14.6✓	5.7	52	8.9✓	9.4	
			12.0						
13	W		11.0	11.3✓	5.7	52	5.6✓	6.1	
			10.0						
14	Y		9.0	9.3✓	5.7	52	3.6✓	4.1	
			8.1						
15	W		7.1	7.4✓	5.7	52	1.7✓	2.2	
			7.8						
16	R	8:12	6.7	7.1✓	5.7	52	1.4✓	1.9	
		~~9:12~~							
		7:12							

Boat

Profile No. ____ Notes Red 7M-7 Plotted M.U.M.H. Job No. Palms Division No. ____
X-Ref. ____ Date 11-8-48 Date 11/23/48 Survey at Point Fermin Pier 10 Feet
Notes Chkd. ____ Checked ____ Survey by ____ Map No. ____ Date ____ Date ____

F.B. 1480 201

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. ____

Plotted L. L. M. H. Date 11/23/48 Checked ____ Date ____

Notes R.M. Date 11-8-48 Notes Chkd. ____ Date ____

Job No. 8472 Division No. ____

Survey of Beach Erosion

Survey by Hennessy Notes Oliver Lighthouse

Indexed L. C. Johnson Date ____

STATION #	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	8:30	32.2 / 31.0	314	5.6 54	25.8 26.0	Range Line 42+50 (S)
2	Y	~~9:30~~ 7:30	31.5 / 30.5	308	5.6 54	25.2 25.4	
3	W		30.7 / 29.1	296	5.6 54	24.0 24.2	
4	Y		29.2 / 28.0	284	5.5 55	22.9 22.9	
5	W		28.3 / 26.7	272	5.5 55	21.7 21.7	
6	R	8:44	27.0 / 25.8	262	5.4 56	20.8 20.6	Note: Soundings Taken at
7	Y	~~9:44~~ 7:44	26.2 / 24.6	251	5.4 56	19.7 19.5	Top of approximately 4 inches
8	W		24.5 / 23.5	238	5.4 56	18.4 18.2	of mud.
9	Y		22.5 / 21.5	218	5.4 56	16.4 16.2	
10	W		21.0 / 19.6	201	5.4 56	14.7 14.5	
11	R	8:52	18.2 / 17.2	175	5.3 57	12.2 11.8	
12	Y	~~9:52~~ 7:52	16.0 / 14.7	151	5.3 57	9.8 9.4	
13	W		15.0 / 13.2	138	5.3 57	8.5 8.1	
14	Y		12.7 / 11.0	116	5.3 57	6.3 5.9	
15	W		11.7 / 9.7	104	5.3 57	5.1 4.7	
16	R	8:57	9.7 / 8.0	86	5.3 57	3.3 2.9	
17	Y	~~9:57~~ 7:57	8.5 / 7.0	75	57	1.8	

Box 42+50(S)

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.		
						RANGED 90°
32+50(S)	1.77	31.94		30.17	1X2 Flush - F.B. 1413-56	
13' Rt			1.30	29.6	T. BK - P.E. RY	R/W
35' "			5.50	26.4 19	" " "	"
T.P	0.75	20 ~~29~~.65	12.04	29.90	1X2" 48' Rt 35 South	Near Bot Bank
65' Rt			3.6	17.1	Toe Slope	Beach
100' "			6.3	14.4	Top BRK	"
136' "			9.6	11.1	Bot. "	"
180 "			9.9	10.8	Top "	"
T.P 192' Rt	0.31	10.14	10.82	9.83	1X2"	
			1.60	8.50	214 rt brk	"
T.P	1.79	6.00	5.93	4.21	250' rt 1X2	"
			3.20	2.80	270' rt water	3:05 PM Oct 20
			4.70	1.30	300' rt "	
			5.60	0.40	350' rt "	
			6.70	-0.70	400' rt "	
			7.70	-1.70	445' rt "	
			8.80	-2.80	500' rt "	
			10.60	-4.60	540 rt "	

Profile Notes Red ____ Plotted M.U.M.H. Job No. 8412 Division No. ____ No. ____ Date ____ Date 4/23/48 Survey of BEACH EROSION - EL SEGUNDO X-Sec. ____ Notes Chkd ____ Checked ____ Survey by C.V.C. Notes C.V.C. Date 10-28-48 No. ____ Date ____ Date ____ Map No. ____ Checked Johnson Date ____

Short 32+50 (S)

F.B. 1413 15

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.	Range ∡ 90°
22+50(S)	0.76	30.39		29.63	11¢T on 1X1 stk per FB 1284-6
			0.90	29.50	17' rt brk P.E. R/W
	0.62	19.64	11.37	19.02	75' rt grnd
			2.10	17.50	84' rt brk Beach
			7.20	12.40	146' rt " "
			7.80	11.80	209' rt " "
			9.80	9.80	225' rt " "
			10.30	9.30	242 rt " "
T.P.	0.59	8.47	11.76	[illegible]	253 rt 1X1
			4.80	3.70	285' rt water 2:40 PM Oct 20
			7.50	1.00	350 rt "
			8.20	0.30	400 rt
			9.30	-0.80	450 rt
			10.70	-2.20	500 rt
			12.50	-4.00	545 rt

Shore
22+50(S)

F.B. 1500 PG. 204 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11/23/48 No.
Survey by Blanchard Notes F.H.B. 10-19-48 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
32	S-2	1	R	9:26	90° 40'	RANGE LINE ∡ = 90°
+50		2	Y		90° 50'	
(S)		3	W		89° 50'	
		4	Y		89° 45'	
		5	W		90° 10'	
		6	R	9:37	89° 15'	
		7	Y		89° 40'	
		8	W		90° 05'	
		9	Y		89° 15'	
		10	W		90° 15'	
		11	R	9:43	89° 55'	
		12	Y		90° 35'	
		13	W		90° 20'	
		14	Y		91° 05'	
		15	W		90° 15'	
		16	R	9:49	90° 30'	

Range

Profile Notes Red ____ Plotted M.U.M.H. Job No. 8427 Division No. ____ F.B. 1 Sta. 2.05
No. ____ Date ____ Date 11/23/48 Survey of Beach Erosion
X-Sec. Notes Clrkd ____ Checked ____ Survey by [illegible] Date 10-18-48
No. ____ Date ____ Date ____ Map No. ____ Indexed: Jan [illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
22	S-1	1	R	10:13	90° 05'	RANGE LINE ∠ = 90°	
+50		2	Y		89° 55'		
(S)		3	W		89° 45'		
		4	Y		89° 20'		
		5	W		90° 00'		
		6	R	10:23	89° 35'		
		7	Y		88° 15'		
		8	W		90° 45'		
		9	Y		90° 00'		
		10	W		90° 10'		
		11	R	10:31	90° 25'		
		12	Y		89° 55'		
		13	W		90° 35'		
		14	Y		90° 20'		
		15	W		90° 40'		
		16	R	10:36	90° 50'		
		17	Y		90° 00'		
		18	W		90° 25'		

Range 22+50 (S)

Profile
Plotted M. U. M. H. Date 11/23/48 No.
X-Sec.
Checked Date No.
Notes Red Date
Notes Chkd Date
Division No. 8412
Job No. 8412
Survey of Beach Erosion
Survey by Hewett Notes H.R. 10-18-48
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. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
32+50 S-2	1	R	9 26	121 20	Range line 32+50 (5)	
	2	Y		123 40		
	3	W		124 35		
	4	Y		126 45		
	5	W		129 45		
	6	R	9 37	131 05		
	7	Y		133 00		
	8	W		137 05		
	9	Y		138 35		
	10	W		141 30		
	11	R	9 44	143 40		
	12	Y		145 10		
	13	W		146 50		
	14	Y		149 15		
	15	W		151 15		
	16	R	9 49	153 40		

Cut-in 32+50(5)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8447 Division No. ____ F.B. No. 207
X-Sec. No. ____ Date ____ Date 11/23/48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-17-48
No. ____ Date ____ Date ____ Map No. ____ Aid Id. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
42+50	S-2	1	R	10 13	137 40	Range line 22+50 (S)	
		2	Y		139 50		
		3	W		141 05		
		4	Y		141 50		
		5	W		144 05		
		6	R	10 23	146 35		
		7	Y		149 30		
		8	W		151 00		
		9	Y		152 25		
		10	W		155 25		
		11	R	10 31	157 25		
		12	Y		159 00		
		13	W		160 35		
		14	Y		161 40		
		15	W		162 30		
		16	R	10 37	163 35		
		17	Y		164 25		
		18	W		165 50		

Cut-in 22+50 (S)

F.B. 1500 Pg. 208 Job No. 8426 Division No. Notes Red Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 11/23/48 No. X-Sec.
Survey by Maineck Notes S.H. 10-18-48 Notes Chkd. Checked No.
Indexed A. C. Jannsen Date Date Date

FORM 207 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B. S. - Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide		Adj. Depth		Remarks
			32.0						
1	R	9:25	31.0	313 ✓	5.0	58	26.3 ✓	25.5	Range Line 32+50 (S)
			31.5						
2	Y	~~10:25~~ 8:25	30.1	306 ✓	5.0	58	25.6 ✓	24.8	
			30.5						
3	W		29.5	298 ✓	5.0	58	24.8 ✓	24.0	
			29.5						
4	Y		28.3	287 ✓	4.9	58	23.8 ✓	22.9	
			28.5						
5	W		27.1	276 ✓	4.9	58	22.7 ✓	21.8	
			27.5						
6	R	9:37	25.5	262 ✓	4.8	58	21.4 ✓	20.4	
			24.5						
7	Y	~~10:37~~ 8:37	24.0	255 ✓	4.8	58	20.7 ✓	19.7	Note: Soundings Taken at Top of approximately 6 to 8 inches of mud.
			23.3						
8	W		22.3	226 ✓	4.8	58	17.8 ✓	16.8	
			21.5						
9	Y		20.3	207 ✓	4.8	58	15.9 ✓	14.9	
			19.5						
10	W		18.0	185 ✓	4.8	58	13.7 ✓	12.7	
			18.0						
11	R	9:43	16.3	169 ✓	4.7	58	12.2 ✓	11.1	
			16.0						
12	Y	~~10:43~~ 8:43	15.0	153 ✓	4.7	58	10.6 ✓	9.5	
			15.0						
13	W		13.5	140 ✓	4.7	58	9.3 ✓	8.2	
			12.5						
14	Y		11.9	120 ✓	4.7	58	7.3 ✓	6.2	
			10.5						
15	W		9.0	95 ✓	4.7	58	4.8 ✓	3.7	
			8.5						
16	R	9:48	7.0	75 ✓	4.6	58	2.9 ✓	1.7	
		~~10:48~~ 8:48							

Profile No. ____ Notes Red ____ Date 11-8-46 Notes Chkd. ____ Date ____ Plotted M.U.M.H. Date 11/12/46 Checked ____ Date ____ Job No. 8227 Division No. ____ Survey of Bay Entrance Survey By ____ Map No. ____ Tracing ____ Date ____

F.B. 15004 204

Root 32+50 (S)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth		Remarks
1	R	10:13	31.8 30.7	311 ✓	4.2 57	26.9 ✓	25.4	Range Line 22+50 (S)
2	Y	~~4:13~~ 9:13	30.8 29.3	298 ✓	4.2 57	25.6 ✓	24.1	
3	W		31.0 30.1	304 ✓	4.2 57	26.2 ✓	24.7	
4	Y		31.2 29.6	301 ✓	4.1 57	26.0 ✓	24.4	
5	W		30.0 28.9	293 ✓	4.1 57	25.2 ✓	23.6	
6	R	10:23	28.7 27.2	277 ✓	4.0 56	23.7 ✓	22.1	Note: Soundings taken at
7	Y	~~4:23~~ 9:23	26.0 25.5	257 ✓	4.0 56	21.7 ✓	20.1	Top of approximately 4 to 6
8	W		24.5 23.5	238 ✓	4.0 56	19.8 ✓	18.2	inches of mud.
9	Y		23.3 22.5	228 ✓	3.9 56	18.9 ✓	17.2	
10	W		21.0 20.2	205 ✓	3.9 56	16.6 ✓	14.9	
11	R	10:31	19.0 18.1	184 ✓	3.8 55	14.6 ✓	12.9	
12	Y	~~4:31~~ 9:31	17.1 16.2	165 ✓	3.8 55	12.7 ✓	11.0	
13	W		16.0 15.3	155 ✓	3.8 55	11.7 ✓	10.0	
14	Y		14.1 12.8	132 ✓	3.8 55	9.4 ✓	7.7	
15	W		12.7 11.5	119 ✓	3.8 55	8.1 ✓	6.4	
16	R	10:36	10.8 10.0	103 ✓	3.7 55	6.6 ✓	4.8	Boat 22+50 (S)
17	Y	~~4:36~~ 9:36	9.5 8.4	88 ✓	3.7 55	5.1 ✓	3.3	
18	W		8.2 6.3	69 ✓	3.7 55	3.2 ✓	1.4	

F.B. 1500 Pg. 210 Job No. 8412 Division No. Notes Red M.J. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11-8-48 Date 11/23/48 No. X-Sec.
Survey by Flemmer Notes Olives 10/18/48 Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

F. B. 1500 Pg. 211

Notes Ck'd by
Map No. Profiles
Office Work H.U.M.H
Checked
Date

Survey of Beach Erosion
W. O. [illegible] Tape No. Std. °F
Surveyed by Klemeck
Notes Date
Indexed A. C. Johnson

NOV 4 '48

— NOTE —

Beginning With Range Line 17+50(S) The Shore Profiles Are Being Taken By AN L.A. City Crew.

For Range Lines 17+50(S) To 76+00(N), incl. See L.A. City Engr. F.B. # 21413, Pages 2-53, incl. Oct. 19 - Oct. 28 - '48

Note: Any Additions or Changes on This Sheet Must 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 5M 5-46

F. B. 1500 PG. 212

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	
17+50 (5)	"5-1"	1	R	8:00	90° 05'	Range Line ∡ = 90°	
		2	Y		89° 50'		
		3	W		90° 05'		
		4	Y		89° 55'		
		5	W		90° 00'		
		6	R	8:09	90° 05'		
		7	Y		89° 50'		
		8	W		89° 40'		
		9	Y		89° 40'		
		10	W		89° 50'		
		11	R	8:15	89° 45'		
		12	Y		89° 35'		
		13	W		90° 05'		
		14	Y		90° 00'		
		15	W		89° 55'		

Range 17+50 (5)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8476 Division No. ____ F.B. 1500 Pg. 213
X-Sec. No. ____ Date ____ Date 11/23/48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Date HHR Date 10-19-48
No. ____ Date ____ Date ____ Map No. ____ Checked 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	
15	S-1"	1	R	8:30	90° 00'	RANGE LINE ∡ = 90°	
+00		2	Y		89° 55'		
(S)		3	W		90° 00'		
		4	Y		90° 00'		
		5	W		89° 50'		
		6	R	8:40	89° 50'		
		7	Y		90° 15'		
		8	W		90° 15'		
		9	Y		90° 10'		
		10	W		90° 10'		
		11	R	8:46	89° 55'		
		12	Y		90° 00'		
		13	W		89° 35'		
		14	Y		90° 05'		
		15	W		90° 00'		

Range 15+00 (S)

F.B. 15 Pg. 214 Job No. 8426 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 11/23/48 No. X-Sec.
Survey by Meinert Notes HHR 10-19-48 Notes Chkd. Checked No.
Indexed C. Jannsen 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	
32+50	S-2	1	R	7:57	127° 45'	Range Line 17+50 (S)	
		2	Y		130 00		
		3	W		133 55		
		4	Y		137 05		
		5	W		139 35		
		6	R	8:07	140 55		
		7	Y		143 00		
		8	W		144 45		
		9	Y		147 15		
		10	W		149 55		
		11	R	8:13	151 30		
		12	Y		154 20		
		13	W		156 50		
		14	Y		158 45		
		15	W		160 05		

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8447 Division No. ____ F.B. 15000 [illegible]
No. ____ Date ____ Date 11/23/48 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Date 10-19-48
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

Cut-in 17+50 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
32+50	S-2	1	R	8:27	129° 10'	Range Line 15+00	(5)
		2	Y		135 10		
		3	W		138 55		
		4	Y		141 10		
		5	W		144 40		
		6	R	8:38	146 40		
		7	Y		148 25		
		8	W		149 55		
		9	Y		151 55		
		10	W		153 35		
		11	R	8:44	155 40		
		12	Y		157 10		
		13	W		158 40		
		14	Y		160 25		
		15	W		162 10		

Cut-17
15+00 (5)

Profile
Plotted H.U.M.H. No.
Date 11/23/48
X-Sec.
Checked
Date
No.
Notes Red
Date
Notes Chkd.
Date
Job No. 8412 Division No.
Survey of Beach Erosion
Survey by Kleineck Notes 8.0. 10-19-48
Indexed C. Johnson Date
Pg. 216

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ Date 11-8-48 Notes Red ____ Plotted M.U.M.H. Job No. 8417 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of ____ Survey By ____ Map No. ____ Date ____ Date 10-18 ____

F.B. 6500 pg. 27

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Ht. Tide	Adj. Depth		Remarks
			30.8					
1	R	7 57	29.6	30.0✓	5.8 47	24.2✓	25.3	Range Line 17+50 (5)
2	Y	~~8:57~~ 6:57	30.0 29.2	29.5✓	5.8 47	23.7✓	24.8	
3	W		28.5 27.5	27.8✓	5.8 47	22.0✓	23.1	
4	Y		27.0 26.3	26.5✓	5.8 47	20.7✓	21.8	
5	W		25.6 24.6	24.9✓	5.8 47	19.1✓	20.2	
6	R	8 08	24.6 24.0	24.2✓	5.7 48	18.5✓	19.4	
7	Y	~~8:08~~	23.3 22.5	22.8✓	5.7 48	17.1✓	18.0	
8	W	~~9:08~~ 7:08	22.1 20.9	21.3✓	5.7 48	15.6✓	16.5	
9	Y		20.4 19.8	19.3✓	5.7 48	13.6✓	14.5	
10	W		18.1 17.0	17.4✓	5.7 48	11.7✓	12.6	
11	R	8 14	16.8 15.8	16.1✓	5.7 49	10.4✓	11.2	
12	Y	~~8:14~~	14.2 13.2	13.5✓	5.7 49	7.8✓	8.6	
13	W	~~9:14~~ 7:14	12.0 10.8	11.2✓	5.7 49	5.5✓	6.3	
14	Y		10.0 8.2	8.8✓	5.7 49	3.1✓	3.9	
15	W		8.2 6.5	7.1✓	5.7 49	1.4✓	2.2	
16	R							

Boat 17+50 (5)

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____

Job No. 5412 Division No. ____ Notes Rd. ____ Plotted H.U.M.H.

Survey of Beach Erosion Date 10-14-48 Date 11-8-48 Date 11/23/48 No. ____

Survey by Blemeck Notes Std. 10-14-48 Notes Chkd. ____ Checked ____

Indexed A. G. Jackson Date 10-15 Date ____ Date ____

T.B.M. Sta. Pg. 216

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	8 30	30.0	299✓	5.7 52	24.2✓24.7	Rangeline 15+00 (S)
2	Y	~~9:30~~ 7:30	29.0	289✓	5.7 52	23.2✓23.7	
3	W		28.0	279✓	5.7 52	22.2✓22.7	
4	Y		27.0	270✓	5.7 52	21.3✓21.8	
5	W		25.0	243✓	5.6 52	18.7✓19.1	
6	R	8 39	22.0	224✓	5.6 53	16.8✓17.1	
7	Y	~~9:39~~ 7:39	21.0	215✓	5.6 53	15.9✓16.2	
8	W		20.0	195✓	5.6 53	13.9✓14.2	
9	Y		18.0	183✓	5.6 53	12.7✓13.0	
10	W		16.0	173✓	5.6 53	11.7✓12.0	
11	R	8 45	15.9	154✓	5.6 53	9.8✓10.1	
12	Y	~~9:45~~ 7:45	14.0	133✓	5.6 53	7.7✓8.0	
13	W		12.0	113✓	5.6 53	5.7✓6.0	
14	Y		10.0	91✓	5.6 53	3.5✓3.8	
15	W		6.8	74✓	5.6 53	1.8✓2.1	Boat 15+00 (S)
16	R						

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
12	S-1	1	R	11:01	90° 00'	RANGE LINE ∡ = 90°	
+50		2	Y		90° 25'		
(S)		3	W		90° 25'		
		4	Y		90° 10'		
		5	W		90° 45'		
		6	R	11:14	90° 05'		
		7	Y		89° 40'		
		8	W		90° 25'		
		9	Y		90° 20'		
		10	W		90° 25'		
		11	R	11:22	90° 10'		
		12	Y		90° 25'		
		13	W		89° 55'		
		14	Y		90° 45'		
		15	W		90° 05'		

Profile & Notes Red. Plotted H.U.M.H. Job No. [illegible] Division No. F.B. [illegible]
No. Date 11/23/48 Survey of Beach Erosion
X-Sec. Notes Chkd. Date [illegible]
No. Date Map No. [illegible] Date

Range
12+50 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4	S-1	1	R	11:40	90° 25'	RANGE LINE ∡ = 90°	
+00		2	Y		90° 30'		
(S)		3	W		90° 00'		
		4	Y		90° 20'		
		5	W		90° 00'		
		6	R	11:49	90° 15'		
		7	Y		90° 05'		
		8	W		89° 45'		
		9	Y		89° 55'		
		10	W		90° 35'		
		11	R	11:54	89° 50'		
		12	Y		90° 30'		

Notes Copied To another page GWK

F.B. 1500 Pg. 220

Job No. 8447 Division No. _____ Notes Red. _____ Plotted M.H. M.H. Profile

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

Survey by Merwick Notes HR 10-18-48 Notes Chkd. _____ Checked _____

Indexed A. C. Jannsen 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 00 On S-1	#	Color	Time	Hor. Ang.	Remarks	
	1	R	1101	66 55	Range line 12+50 (S)	
	2	Y		63 30		
	3	W		60 55		
	4	Y		58 40		
	5	W		56 35		
	6	R	1113	51 55		
	7	Y		47 55		
	8	W		46 20		
	9	Y		43 40		
	10	W		41 50		
	11	R	1122	39 35		
	12	Y		36 30		
	13	W		35 25		
	14	Y		33 50		
	15	W		31 35		
	16	R				

Profile No. ____ Notes Red ____ Plotted M. U. M. M. Job No. 8442 Division No. ____ F.B. [illegible]
Date ____ Date 11/23/48 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by [illegible] Date 10/16/48
Date ____ Date ____ Map No. ____ Date ____

Cut-in
12+50 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
12+50	S-1	1	R	11 40	117 30	Range line 4+00 (5)	
		2	Y		119 00		
		3	W		124 10		
		4	Y		127 25		
		5	W		130 55		
		6	R	11 50	133 20		
		7	Y		134 25		
		8	W		137 00		
		9	Y		140 05		
		10	W		143 25		
		11	R	11 56	146 10		
		12	Y		150 05		
		13	W				
		14	Y				
		15	W				
		16	R				

Notes copied to another page GWK

Profile
Plotted H.U.M.H. No.
Date
X-Sec.
Checked
Date
No.
Notes Red
Date
Notes Chkd
Date
Job No. 8412 Division No.
Survey of Beach Erosion
Survey by Merrack Notes SH 10-18-48
Indexed
Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
1	R	11:00	31.2 / 30.1	30.5 ✓	3.4 (53 / 55)	27.1 ✓	25.2 / ~~25.4~~ Range line 12+50 (S)
2	Y	~~12:00~~ 10:00	31.3 / 30.0	30.4 ✓	3.4 (53 / 55)	27.0 ✓	25.8 / ~~24.3~~
3	W		29.5 / 28.5	28.8 ✓	3.3 (53 / 55)	25.5 ✓	23.5 / ~~22.3~~
4	Y		29.0 / 27.0	27.3 ✓	3.3 (52 / 54)	24.0 ✓	22.1 / ~~21.9~~
5	W		26.1 / 25.3	25.6 ✓	3.2 (51 / 54)	22.4 ✓	20.5 / ~~20.2~~
6	R	11:13	23.8 / 22.8	22.6 ✓	3.1 (51 / ~~53~~)	19.5 ✓	17.5 / ~~17.3~~
7	Y	~~12:13~~	20.4 / 18.2	19.6 ✓	3.1 (51 / 53)	16.5 ✓	14.5 / ~~14.3~~ Note: Soundings taken at top
8	W	10:13	18.3 / 17.2	17.6 ✓	3.1 (51 / 53)	14.5 ✓	12.5 / ~~12.3~~ of approximately 6 to 8
9	Y		17.3 / 16.0	16.4 ✓	3.0 (51 / ~~53~~)	13.4 ✓	11.3 / ~~11.1~~ inches of mud
10	W		15.5 / 15.0	15.2 ✓	3.0 (50 / ~~53~~)	12.2 ✓	10.2 / ~~9.9~~
11	R	11:22	13.5 / 13.0	13.2 ✓	2.9 (49 / ~~52~~)	10.3 ✓	8.3 / ~~8.0~~
12	Y	~~12:22~~	11.5 / 10.5	10.8 ✓	2.9 (49 / ~~52~~)	7.9 ✓	5.9 / ~~5.6~~
13	W	10:22	10.8 / 9.3	9.8 ✓	2.9 (49 / ~~50~~)	6.9 ✓	4.9 / ~~4.6~~
14.	Y		9.6 / 8.0	8.5 ✓	2.9 (49 / ~~52~~)	5.6 ✓	3.6 / ~~3.3~~
15.	W		8.5 / 6.5	7.2 ✓	2.9 (49 / ~~52~~)	4.3 ✓	2.3 / ~~2.0~~

12+50 (S)

Profile
No. ____ Date ____
X-Sec.
No. ____ Date ____
Notes Red ____ Date 11-8-46 Plotted ____ Date 11-23-46 Checked ____ Date ____
Notes Chkd. ____ Date ____
Job No. 6411 Division No. ____ Survey of ____ Survey by ____ Map No. ____ Date ____
F.B. 223

FORM 207 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
1	R	11:40	29.2 28.7	289			Range Line 4+00 (s)
2	Y		28.5 27.7	280			
3	W		27.2 26.2	265			
4	Y		25.1 24.1	244			
5	W		22.2 21.2	215			
6	R	11:49	20.3 20.0	201			Note: Soundings Taken at top of approximately 6 to 8 inches of mud.
7	Y		19.5 18.5	188			
8	W		17.8 16.0	164			
9	Y		15.0 14.3	145			
10	W		12.4 11.8	120			
11	R	11:56	10.0 8.5	90			
12	Y		7.3 6.0	64			

Notes copied to another page GWK

F.B. 1500 Pg. 224

Job No. 84126 Division No. Notes Red. Plotted M.W.M.H. Profile

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

Survey by Hlavnek Notes Olives 10/19/48 Notes Chkd. Checked Date No.

Indexed Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
10 "S-1"	1	R	10:18	90° 05'	RANGE LINE ∡ = 90°	
+00	2	Y		90° 10'		
(S)	3	W		89° 30'		
	4	Y		89° 55'		
	5	W		90° 15'		
	6	R	10:29	90° 05'		
	7	Y		90° 25'		
	8	W		90° 00'		
	9	Y		90° 25'		
	10	W		90° 25'		
	11	R	10:36	90° 15'		
	12	Y		90° 10'		
	13	W		90° 05'		
	14	Y		89° 55'		
	15	W		90° 00'		
	16	R	10:41	90° 00'		
	17	Y		90° 00'		

Range
10 +00 (S)

Profile
No. X-Sec.
Notes Red
Date
Notes Chkd
Date
Plotted M.U.M.H.
Date 11/23/48
Checked
Date
Job No. 847
Survey of Beach Erosion
Survey by
Map No.
Division No.
Indexed Jennson
Date
Date 10-19-48
F.B. No. 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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
8	"S-1"	1	R	10:54	90° 00'	RANGE LINE ∡ = 90°	
+00		2	Y		89° 40'		
(S)		3	W		89° 50'		
		4	Y		90° 00'		
		5	W		90° 05'		
		6	R	11:02	90° 15'		
		7	Y		90° 15'		
		8	W		89° 50'		
		9	Y		89° 45'		
		10	W		90° 00'		
		11	R	11:08	90° 05'		
		12	Y		90° 00'		
		13	W		90° 20'		
		14	Y		90° 20'		
		15	W		89° 55'		
		16	R	11:14	90° 00'		

Range 8+00 (S)

Profile
Plotted H. U. M. H. No.
Date 11/23/48
X-Sec.
Checked No.
Date
Notes Red
Date
Notes Chkd
Date
Division No.
Job No. 8412
Survey of Beach Erosion
Survey by Wlaneck
Notes HHR 10-19-48
Indexed C. Jennings
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	
4+00 (S)	S-1	1	R	10:16	71° 30'	Range Line 10+00	(S.)
		2	Y		70 35		
		3	W		68 30		
		4	Y		66 45		
		5	W		64 40		
		6	R	10:26	62 30		
		7	Y		61 25		
		8	W		59 40		
		9	Y		58 25		
		10	W		55 20		
		11	R	10:33	54 40		
		12	Y		53 10		
		13	W		50 40		
		14	Y		47 55		
		15	W		45 45		
		16	R	10:39	44 00		
		17	Y		39 35		

Profile Notes Red. Plotted H.U.M.H. Job No. 8412 Division No. P.B. 1500 No. 227
No. Date Date 11/23/48 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Kleinock [illegible] Date [illegible]
No. Date Date Map No. Checked Johnson Date

Cut-in
10+00 (S)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
2+00(S) S-1	1	R	10:51	71° 25'	Range Line 8+00 (S.)	
	2	Y		70 00		
	3	W		68 15		
	4	Y		66 35		
	5	W		64 50		
	6	R	11:00	62 45		
	7	Y		60 50		
	8	W		58 30		
	9	Y		56 00		
	10	W		54 25		
	11	R	11:06	51 40		
	12	Y		48 10		
	13	W		45 35		
	14	Y		43 30		
	15	W		41 00		
	16	R	11 12	36 50		

Cut-in 8+00(S)

Profile
Plotted H.U.M.H. No.
Date 11/23/48 X-Sec.
Checked No.
Date
Notes Red.
Date
Notes Chkd.
Date
Job No. 8412 Division No.
Survey of Beach Erosion
Survey by Kleineck Notes H.O. 10-19-48
Indexed A. C. Jones Date
F.M. 500 Pa. 228

FORM 307 5M 1-46

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 ____ Date 11-8-48 Plotted M.U.M.H. Date 11-23-48 Job No. 8476 Division No. ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of ____ Survey by ____ Map No. ____ Checked J. ____ Date 10-19 F.B. 15000 22

STATION	B. S.	H. I.	F. S.	ELEV.				
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
			30.7					corrected
1	R	1016	30.2	304	4.4	57	26.0 / 24.7	Range line 10+00 (S)
2	Y	~~H:16~~	30.2	295	4.4	57	25.1 / 23.8	
3	W	9:16	29.2	289	4.4	57	24.5 / 23.2	
4	Y		28.4	279	4.3	57	23.6 / 22.2	
5	W		27.7	269	4.3	57	22.6 / 21.2	
6	R	1028	27.6	252	4.2	57	21.0 / 19.5	
7	Y	~~H:28~~	26.5	237	4.2	57	19.5 / 18.0	
8	W	9:28	25.9	223	4.2	57	18.1 / 16.6	
9	Y		24.9	213	4.1	57	17.2 / 15.6	
10	W		24.2	201	4.1	57	16.0 / 14.4	
11	R	1034	23.5	182	4.0	56	14.2 / 12.6	
12	Y	~~H:34~~	23.0	175	4.0	56	13.5 / 11.9	
13	W	9:34	22.0	160	4.0	56	12.0 / 10.4	
14	Y		22.0	137	4.0	56	9.7 / 8.1	
15	W		20.9	115	3.9	56	7.6 / 5.9	
16	R	1040	20.5	92	3.9	56	5.3 / 3.6	
17	Y	~~H:40~~	19.9	72	3.9	56	3.4 / 1.7	
	W	9:40	18.6					
			18.0					
			18.0					
			17.3					
			17.1					
			15.4					
			14.6					
			13.2					
			12.2					
			11.3					
			10.3					
			8.5					
			7.8					
			7.0					

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 500 Pg. 230

Profile No. ____ X-Sec. No. ____

Job No. 8427 Division No. ____ Notes Red. 7-7 Plotted H.U.M.H.

Survey of Beach Erosion Date 11-8-48 Date 11/23/48 Checked ____

Survey by Hammack Notes Chkd. ____ Date ____

Indexed C. Jacobsen Date 10-19 Date 10/19/48

STATION #	Color	B. S. Time	H.I. Meas. Depth	F. S. Botom	ELEV. Ht. Tide		Adj. Depth	Remarks
			310					
1	R	10.52	305	307 ✓	3.6	55	27.1 ✓ 25.2	Range Line 8+00 (S)
2	Y	~~11:52~~	300					
		9:52	290	295 ✓	3.6	55	25.9 ✓ 24.0	
3	W		281					
			282	284 ✓	3.6	55	24.8 ✓ 22.9	Approximately 6" to 8" Mud
4	Y		276					
			277	278 ✓	3.6	55	24.2 ✓ 22.3	
5	W		264					
			263	267 ✓	3.5	55	23.2 ✓ 21.2	
6	R	11.00	253					
			250	256 ✓	3.5	54	22.1 ✓ 20.1	
7	Y	~~12:00~~	240					
			228	243 ✓	3.4	54	20.9 ✓ 18.9	
8	W	10:00	225					
			210	226 ✓	3.4	54	19.2 ✓ 17.2	
9	Y		203					
			192	205 ✓	3.3	54	17.2 ✓ 15.1	
10	W		185					
			169	187 ✓	3.3	54	15.4 ✓ 13.3	
11	R	11.07	165					
			150	166 ✓	3.2	54	13.4 ✓ 11.2	
12	Y	~~12:07~~	145					
			125	147 ✓	3.2	54	11.5 ✓ 9.3	
13	W	10:07	120					
			105	122 ✓	3.2	54	9.0 ✓ 6.8	
14	Y		102					
			87	103 ✓	3.1	54	7.2 ✓ 4.9	
15	W		80					
			64	87 ✓	3.1	54	5.1 ✓ 2.8	
16	R	11.13	60					
		~~12:13~~		61 ✓	3.0	53	3.1 ✓ 0.8	Boat 8+00 (S)
		10:13						

Profile No. _____ Notes Red _____ Plotted H. U. M. H. Job No. 8412 Division No. _____ F.B. 1500 Pg. 281

Date _____ Date 11/23/48 Survey of Beach Erosion

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

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

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight At On	#	Colbr	Time			For Range Line 6+00(5) see next page.

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 SM 1-46

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
6	"S-1"	1	R	11:23	89° 55'	RANGE LINE ∡ = 90°	
+00		2	Y		89° 30'		
(S)		3	W		89° 30'		
		4	Y		89° 30'		
		5	W		89° 25'		
		6	R	11:32	90° 15'		
		7	Y		89° 50'		
		8	W		90° 40'		
		9	Y		90° 00'		
		10	W		90° 30'		
		11	R	11:38	89° 45'		
		12	Y		90° 00'		
		13	W		90° 10'		
		14	Y		90° 15'		
		15	W		90° 00'		

Range 6+00 (S)

F.B. 1500 P 0232 Job No. 8427 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11/23/48 No.
Survey by Meineck Notes HHR 10-19-48 Notes Chkd. Checked X-Sec.
Index G. 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	
12+50	S-1	1	R	11:21	110° 15'	Range Line 6+00	(S)
		2	Y		111 40		
		3	W		114 05		
		4	Y		116 30		
		5	W		119 05		
		6	R	11:30	121 55		
		7	Y		123 50		
		8	W		126 15		
		9	Y		128 15		
		10	W		131 05		
		11	R	11:38	132 25		
		12	Y		134 15		
		13	W		137 45		
		14	Y		140 55		
		15	W		144 15		

Cut-in 6+00 (S)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 847 Division No. ____ F.B. 150 Pg. 233
Date ____ Date 11/23/48 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by Kleinack Notes [illegible] Date 10-19-48
Date ____ Date ____ Map No. ____ Ad. [illegible] 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

Profile No. X-Sec. No.

Job No. Division No. Notes, Red Plotted
Date Date
Notes Chkd. Checked
Date Date

Survey of
Survey by Notes
Indexed Date

F.B. 550 Pg. 234

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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 22	305 300	302	2.8 52	27.4 25.0	
2	Y	~~12:22~~ 10:22	300 290	293	2.8 52	26.5 24.1	Range Line 6+00 (S)
3	W		288 280	283	2.8 52	25.5 23.1	Approximately 6" to 8" Mud
4	Y		280 275	277	2.7 52	25.0 22.5	
5	W		261 255	257	2.7 52	23.0 20.5	
6	R	11 30	247 245	246	2.6 51	22.0 19.5	
7	Y	~~12:30~~ 10:30	227 223	224	2.6 51	19.8 17.3	
8	W		208 205	206	2.6 51	18.0 15.5	
9	Y		189 184	186	2.6 51	16.0 13.5	
10	W		179 171	174	2.6 51	14.8 12.3	
11	R	1136	160 150	153	2.5 50	12.8 10.3	
12	Y	~~12:36~~ 10:36	139 133	135	2.5 50	11.0 8.5	
13	W		111 100	104	2.5 50	7.9 5.4	
14	Y		89 85	86	2.5 50	6.1 3.6	
15	W		63 61	62	2.5 50	3.7 1.2	

Profile Notes Red M.J. Plotted H.U.M.H. Job No. 8442 Division No.
No. Date 11-8-48 Date 11/23/48 Survey of Beach Erosion
X.Sec. Notes Chkd. Checked Survey by [illegible] 10-18-48
No. Date Date Map No. Andrew Johnson Date 10-19

F.B. 1500 Pg. 235

Book

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I. Meas.	F. S.	ELEV. Ht.		
# Color	Time	Depth	Botom	Tide	Adj. Depth	Remarks

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

F.B. 1500 PG. 236

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

For Range Line 4+00 (5) see next page

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

F.B. 1500 Pg. 237

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00 (5)	5-1"	1	R	1140	9025	Range Line ∡ = 90°	
		2	Y		9030		
		3	W		9000		
		4	Y		9020		
		5	W		9000		
		6	R	1149	9015		
		7	Y		9005		
		8	W		8945		
		9	Y		8955		
		10	W		9035		
		11	R	1154	8950		
		12	Y		9030		

Range 4+00 (5)

Notes copied by G.W.K.

F.B. 1500 Pg. 238 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 11/23/45 No.
Survey by Hemert Notes H.R. 10-18-'45 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	
12+50 "5-1" (5)	1	R	1140	11730	Range Line 4+00 (5)	
	2	Y		11900		
	3	W		12410		
	4	Y		12725		
	5	W		13055		
	6	R	1150	13320		
	7	Y		13425		
	8	W		13700		
	9	Y		14005		
	10	W		14325		
	11	R	1156	14610		
	12	Y		15005		

Notes copied from another page
GWK

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 842 Division No. ____
X-Sec. Date 11/23/48 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by [illegible] Date 10-12-48
Date ____ Map No. ____ Date ____

F.B. 1500 Pg. 239

Cut-in 4+00 (5)

F.B. 1500 Pg. 240 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date Date 11/23/48 No.

Survey by Meineck Notes S.H. 10-18-48 Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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 40	292 287	289 ✓	2.4 ~~50~~ 47	26.5 ✓ ~~23.9~~ 24.2	Range Line 4+00 (S)
2	Y	~~12:40~~ 10:40	285 277	280 ✓	2.4 ~~50~~ 47	25.6 ✓ ~~23.0~~ 23.3	
3	W		272 262	265 ✓	2.4 ~~50~~ 47	24.1 ✓ ~~21.5~~ 21.8	
4	Y		251 241	244 ✓	2.3 ~~50~~ 47	22.1 ✓ ~~19.4~~ 19.7	
5	W		222 212	215 ✓	2.3 ~~50~~ 47	19.2 ✓ ~~16.5~~ 16.8	
6	R	11 49	203 200	201 ✓	2.2 ~~49~~ 46	17.9 ✓ ~~15.2~~ 15.5	
7	Y	~~12:49~~ 10:49	195 185	188 ✓	2.2 ~~49~~ 46	16.6 ✓ ~~13.9~~ 14.2	
8	W		173 160	164 ✓	2.2 ~~49~~ 46	14.2 ✓ ~~11.5~~ 11.8	Note:- Soundings taken at top of 6 to 8 inches of very soft material.
9	Y		150 143	145 ✓	2.2 ~~48~~ 46	12.3 ✓ ~~9.7~~ 9.9	
10	W		124 118	120 ✓	2.2 ~~48~~ 46	9.8 ✓ ~~7.2~~ 7.4	
11	R	11 56	100 85	90 ✓	2.1 ~~47~~ 45	6.9 ✓ ~~4.3~~ 4.5	
12	Y	~~12:56~~ 10:56	73 60	64 ✓	2.1 ~~47~~ 45	4.3 ✓ ~~1.7~~ 1.9	
					6.4 4.7 1.7		

Notes copied from another page

Profile
No. X-Sec.
No.
Notes Red M.J. Plotted M.U.M.H. Job No. 142 Division No.
Date 11-8-48 Date 11/23/48 Survey of Beach Erosion
Notes Chkd. Checked Survey by [illegible]
Date Date Map No. Date

Boot 4+00 (S)

FORM 807 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
# Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks

Job No. ____ Division No. ____ Notes Red ____ Plotted H. U. M. H. Profile
Survey of ____ Date ____ Date 11/23/45 No. ____
Survey by ____ Notes ____ Notes Chkd ____ Checked ____ X-Sec.
Indexed ____ Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
2+00 (S)	"5.1"	1	R	7:38	90° 40'	Range Line ∡ = 90°	
		2	Y		90° 25'		
		3	W		89° 50'		
		4	Y		90° 10'		
		5	W		89° 55'		
		6	R	7:49	90° 10'		
		7	Y		90° 20'		
		8	W		90° 10'		
		9	Y		90° 50'		
		10	W		90° 05'		
		11	R	7:57	90° 40'		
		12	Y		90° 05'		
		13	W		90° 20'		
		14	Y		90° 30'		
		15	W		90° 05'		
		16	R	8:03	90° 05'		
		17	Y		89° 30'		

Range
2+00 (S)

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 847 Division No. ____
X-Sec. No. ____ Date ____ Date 11/23/48 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by [illegible] Note H.U.R. Date 10-20-48
No. ____ Date ____ Date ____ Map No. ____ Index [illegible] Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
0	S-1"	1	R	8:13	90° 40'	RANGE LINE ∡ = 90°	
+00		2	Y		89° 50'		
(N&S)		3	W		90° 15'		
		4	Y		89° 55'		
		5	W		90° 25'		
		6	R	8:18	90° 00'		
		7	Y		89° 55'		
		8	W		90° 00'		
		9	Y		89° 55'		
		10	W		90° 20'		
		11	R	8:23	90° 10'		
		12	Y		90° 00'		
		13	W		90° 00'		
		14	Y		90° 15'		
		15	W		90° 35'		
		16	R	8:29	90° 05'		
		17	Y		90° 15'		
		18	W		90° 10'		

Range 0+00 (N&S)

F.B. No. 244 Job No. 8442 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 11/23/48 No. X-Sec.
Survey by Meineck Notes HHR 10-20-48 Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
6+00 (S)	S-1	1	R	7:39	102 15	Range Line 2+00 (S)	
		2	Y		102 30		
		3	W		103 00		
		4	Y		105 05		
		5	W		106 25		
		6	R	7:50	109 15		
		7	Y		110 20		
		8	W		112 15		
		9	Y		114 10		
		10	W		115 50		
		11	R	7:57	117 50		
		12	Y		119 40		
		13	W		121 10		
		14	Y		123 45		
		15	W		126 00		
		16	R	8:03	128 30		
		17	Y		129 45		

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. [illegible] Division No. ____
X-Sec. No. ____ Date ____ Date 11/28/48 Survey of [illegible]
Notes Chkd. ____ Checked ____ Survey by [illegible]
No. ____ Date ____ Date ____ Map No. ____ Date ____

Cut-in 2+00 (S)

FORM 307 SM 1-48

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
6+00(S)	S-1	1	R	8:14	139° 50	Range Line 0+00 (N. + S.)
		2	Y		136 55	Note: Going out
		3	W		134 30	
		4	Y		132 45	
		5	W		131 05	
		6	R	8:19	129 05	
		7	Y		126 50	
		8	W		124 50	
		9	Y		122 55	
		10	W		121 10	
		11	R	8:24	118 30	
		12	Y		116 50	
		13	W		115 25	
		14	Y		114 15	
		15	W		113 00	
		16	R	8:29	110 50	
		17	Y		109 45	
		18	W		108 05	

Cut-in 0+00 (N. + S.)

Profile
Job No. 8412 Division No. Notes Red. Plotted U. M. M.
Survey Beach Erosion Date 11/23/48 No.
Survey Kleineck Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

FORM 307 SM 1-49

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION #	Color	B.S. Time	H.I. Meas. Depth	F.S. Bottom	ELEV. Tide	Adj. Depth	Remarks
			300		4.1		
1	R	739	295	297✓	5.7 40	24.0✓ 25.7	Range Line 2+00 (S)
2	Y	~~8:39~~	295	288✓	5.7 41	23.1✓ 24.7	
		6:39	285				
3	W		278	280✓	5.7 41	22.3✓ 23.9	
			275				
4	Y		270	272✓	5.7 42	21.5✓ 23.0	
			275				
5	W		267	268✓	5.7 42	21.1✓ 22.6	
			255				
6	R	751	245	248✓	5.8 43	19.0✓ 20.5	
			245				
7	Y	~~8:51~~	235	238✓	5.8 43	18.0✓ 19.5	
		6:51	228				
8	W		215	219✓	5.8 43	16.1✓ 17.6	
			210				
9	Y		188	202✓	5.8 43	14.4✓ 15.9	
			189				
10	W		175	180✓	5.8 43	12.2✓ 13.7	
			176				
11	R	758	165	169✓	5.8 44	11.1✓ 12.5	
12	Y	~~8:58~~	162	153✓	5.8 44	9.5✓ 10.9	
		6:58	148				
13	W		140	137✓	5.8 44	7.9✓ 9.3	
			135				
14	Y		113	109✓	5.8 44	5.1✓ 6.5	
			107				
15	W		95	88✓	5.8 44	3.0✓ 4.4	
			85				
16	R	804	75	72✓	5.8 45	1.4✓ 2.7	
			70				
17	Y	~~9:04~~	67	59✓	5.8 45	0.1✓ ~~4.6~~ 1.4	
			55				
		7:04			4.1		

Profile Notes Red 7/7/51 Plotted H.U.M.H. Job No. [illegible]
No. Date 11/8/48 Date 11/29/48 Checked Survey [illegible]
Map Cont. No. Date Date Map No. [illegible]

Notes Red. 7/1.48 Plotted. Date 11-8-48 Checked. Date.
Notes Chkd. Date.

1	R	8/14	65	68	5.8	46	1.0	2.2	Range line - 0+00 (175)
			93						(Boat going out)
2	Y	9/14	85	88✓	5.8	46	3.0✓	4.2	
		7/14	115						
3	W		106	109✓	5.8	46	5.1✓	6.3	
4	Y		128	123✓	5.8	46	6.5✓	7.7	
			120						
5	W		150	143✓	5.8	46	8.5	9.7	
			140						
6	R	8/19	164	160✓	5.8	47	10.2✓	11.3	
			158						
7	Y	9/19	186	180✓	5.8	47	12.2✓	13.3	
		7/19	177						
8	W		200	195✓	5.8	47	13.7✓	14.8	
			192						
9	Y		215	208✓	5.8	47	15.0✓	16.1	
			203						
10	W		229	224✓	5.8	47	16.6✓	17.7	
			221						
11	R	8/25	244	239✓	5.8	48	18.1✓	19.1	
			236						
12	Y	9/25	258	252✓	5.8	48	19.4✓	20.4	
		7/25	250						
13	W		263	260✓	5.8	48	20.3✓	21.3	
			260						
14	Y		277	270✓	5.8	48	20.8✓	21.8	
			265						
15	W		285	279✓	5.8	48	21.8✓	22.8	
			275						
16	R	8/28	293	287✓	5.8	48	22.8✓	23.8	
			287						
17	Y	9/28	[illegible]	[illegible]	5.8	48	[illegible]	[illegible]	
		7/28	[illegible]						
18	W		[illegible]	[illegible]	5.8	48	[illegible]	[illegible]	