Profile | Notes Red. | Platted | Job No. 8109 | Division No. | L. B. 619 Pg. 7
Date | Date | Survey of Beach Erosion
X-Sec. No. | Notes Chkd. Date | Checked JAR | Survey by Butler | Notes GWA Date
Date | Map No. B-1152 Indexed | C. Johnson Date AUG 20 1936

JOB Nº 8109

CURRENT SURVEY

Entire Santa Monica Harbor.

Notes Copied from L.B. ~~F.B.~~ #619 page 277

Microfilmed Jan 87

Form 307 5M 10-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE 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 "C"	Sight On B	#	Color	A.M. Time	Hor. Ang.	Remarks	
		1	W	826	257 20	Wind N.E. 80° - 2 mile; Wave N.E. 60° - 2' high	
		2	Y	827	261 50	(For area outside of breakwater)	
		3	R	828	266 30		
		4	Y-W	829	271 45		
		5	R-W	830	277 20		
		6	R-Y	831	282 43		
		7	R-Y-W	832	287 20		
		8	W	846	256 [illegible]5		
		9	Y	847	261 42		
		10	R	848	266 [illegible]		
		11	Y-W	850	271 53		
		12	R-W	852	276 35		
		13	R-Y	853	281 10		
		14	R-Y-W	855	288 [illegible]		
		15	W	905	256 45	Wind N.E. [illegible] 3 Mi. Waves N.E. 60° (2')	
		16	Y	907	26[illegible]		
		17	R	908	265 45		
		18	Y-W	910	272 57		

Soundings - Vicinity Santa Monica Harbor.

Weather: Fair + mild. Slightly overcast. Water smooth with 20' around swell. Light offshore breeze.

L.B. 619 P.G. 8 Job. No. 8109 Division No. 12-2-'35 Notes Red Date Plotted H.N.B. Date Jan. '36 Profile No.

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

Survey by S.E. Butler Notes Gillemeck Notes Chkd. Date

Indexed A. C. Johnson Date

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time A.M.	ELEV. Hor. Ang.	Remarks
"C"	"B"	19	R-W	911	27635	
		20	R-Y	912	28100	
		21	R-Y-W	915	28852	
		22	W	924	25713	
		3	Y	926	26237	
		4	R	928	26602	
		5	Y-W	930	27435	Wind S.E. 25° 5 Mi. Waves N.E. 60° - 2' high
		6	R-W	931	27733	
		7	R-Y	934	28202	
		8	R-Y-W	936	28940	
		29	W	946	25803	
		30	Y	948	26335	
		1	R	949	26700	
		2	Y-W	953	27657	
		3	R-W	954	27910	
		4	R-Y	956	28303	
		5	R-Y-W	957	29010	Wind - S.E. 35° - 7 Mi. Waves N.E. 60° 2' high

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. [illegible] Division No. ____ L.B. 619 PG. 9
X-Sec. No. ____ Date ____ Date Jan. '36. Survey of Beach Erosion
Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date 12-2-'35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At "C"	Sight On "B"	#	Color	A.M. Time	Hor. Ang.	Remarks	
		36	W	10 05	259 05		
		7	Y	10 07	264 25		
		8	R	10 09	267 33		
		9	Y-W	10 11	[illegible]		
		40	R-W	10 12	280 30		
		1	R-Y	10 14	284 12		
		2	R-Y-W	10 16	290 25		
		43	W	10 25	[illegible]		
		4	Y	10 27	[illegible]		
		5	R	10 29	270 03		
		6	Y-W	10 31	[illegible]	Wires: S 20°W. 6'Mi. Wires: N 45°E, 2' high.	
		7	R-W.	10 33	283 05		
		8	R-Y	10 34	286 32		
		9	R-Y-W	10 36	291 37		
		50	W	10 40	[illegible]		
		1	Y	10 46	[illegible]		
		2	R	[illegible]	[illegible]		
		3	Y-W	10 52	[illegible]		

L.B. 619 P.G. 10 Job. No. 8109 Division No. Notes Red Plotted H.N.B. Profile
Survey of Bend Erosion Date Date Jan. '36. No.
Survey by S.E. Butler Notes Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.
12-2-35

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	54	R-W	1053	286[illegible]	
		5	C-Y	1055	[illegible]	
		6	C-Y-W	1057	29230	Wind: 5 50' W, 18 Mi. [illegible] N 45° E, 2' high
		5[illegible]	W	[illegible]	[illegible]	
		[illegible]	Y	1108	[illegible]	
		[illegible]	R	1109	[illegible]	
		30	Y-W	11[illegible]	[illegible]	
		[illegible]	R-W	1113	28[illegible]	
		[illegible]	R-Y	1115	[illegible]	
		[illegible]	R-Y-W	1116	[illegible]	
		[illegible]	W	[illegible]	[illegible]	
		[illegible]	Y	[illegible]	[illegible]	
		[illegible]	R	[illegible]	[illegible]	[illegible]
		[illegible]	Y-W	[illegible]	[illegible]	
		[illegible]	R-W	[illegible]	[illegible]	
		[illegible]	R-Y	[illegible]	[illegible]	
		[illegible]	R-Y-W	[illegible]	29316	

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. [illegible] Division No. ____ L. B. 64 Pg. 11
X-Sec. No. ____ Date ____ Date Jan. '36. Survey of [illegible]
Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. at "C"	Sight On "B"	#	Color	Time	Hor. Ang.	Remarks	
		[illegible]	W	11 [illegible]	[illegible]		
		[illegible]	Y	11 [illegible]	[illegible]		
		[illegible]	R	11 [illegible]	[illegible]		
		[illegible]	Y-W	11 [illegible]	[illegible]		
		[illegible]	R-W	[illegible]	[illegible]		
		[illegible]	R-Y	[illegible]	[illegible]		
		[illegible]	[illegible]	11 [illegible]	[illegible]	Wind: N 60° W, 8 Mi. Waves N 60° E., 2' high	
		[illegible]	W	12 14	2[illegible]	Float picked up.	
			Y	12 17	[illegible]	" " "	
		[illegible]	R	12 [illegible]	[illegible]	" " "	
			Y-W	12 22	28[illegible]	" " "	
		[illegible]	R-W	12 24	28[illegible]	" " "	
		[illegible]	R-Y	12 27	28[illegible]	" " "	
		[illegible]	R-Y-W	12 2[illegible]	29[illegible]	" " "	Lunch Hour
					12:30 PM	Wind: S 10° W, 5 Mi. Waves N 60° E. 2' high.	
		85	W	1[illegible]8	[illegible]	Wind: S 75° W, 10 Mi. Waves N 70° E 2' high.	
		6	Y	139	2[illegible]		
		7	R	1[illegible]0	272 [illegible]		
		8	Y-W	[illegible]40	[illegible]		
		9	R-W	1[illegible]	[illegible]		

L.B. 619 P.G. 12 | Job. No. 12-2-35 | Division No. | Notes Red | Date | Plotted H.N.B. | Date Jan. 1936 | Profile No.

Survey of [illegible] | Notes [illegible] | Notes Chkd. | Checked | X-Sec. No.

Survey by [illegible] | Date | Date

Indexed A. C. Johnson

Form 307 5M 10-34

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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 P.M.	ELEV. Hor. Ang.	Remarks
"C"	"B"	90	R-Y-W	141	28920	
		91	R-Y	142	29527	
		92	W	155	[illegible]	
		3	Y	[illegible]	[illegible]	
		4	R	158	27832	
		5	Y-W	157	[illegible]	
		6	C-W	201	[illegible]	
		7	R-Y-W	203	29348	
		8	R-Y	204	30013	Wind: 5.85°W, 12 Mi. Waves N.65°E. 2.5' high.
		99	W	218	27225	
		100	Y	219	28025	
		1	R	220	28633	
		2	Y-W	222	29140	
		3	R-W	223	[illegible]	
		4	R-Y-W	224	29802	
		5	R-Y	226	30603	
		106	W	238	27915	Wind: 5.85°W, 10 Mi. Waves N.65°E, 2' high.

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. [illegible] Division No. ____ L. B. [illegible] PG. 13
X-Sec. No. ____ Date ____ Date Jan. '36. Survey of Beach Erosion
Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At "C"	Sight On "B"	#	Color	Time	Hor. Ang.	Remarks	
		107	Y	2:39	287 35		
		8	R	2:41	29317		
		9	Y-W	2:42	29710		
		110	R-W	2:44	29750		
		1	R-Y-W	2:46	30137		
		2	R-Y	2:48	31146		
		113	W	2:59	29425		
		4	Y	301	29943	Wind: West, 10 Mi - Waves: N 70°E, 2' high.	
		5	R	302	[illegible]		
		[illegible]	Y-W	304	[illegible]		
		[illegible]	R-W	305	[illegible]		
		8	R-Y-W	307	30425		
		9	R-Y	309	31730	Float pinned [illegible]	
		120	R-Y	315	[illegible]	Reset.	
		1	W	317	[illegible]		
		2	Y	318	29720		
		3	R	319	29933		
		4	Y-W	320	30452		

L.B. 619 P.G. 14 Job. No. 8109 Division No. Notes Red Plotted H.H.B. Profile
Survey of Beach Erosion Date Date Jan. '36 No.
Survey by S.E. Butler Notes [illegible] Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	125	R-W	322	30303	
		6	R-Y-W	323	30520	
		7	R-Y	327	29540	
		128	W	329	29225	
		9	Y	330	299 42	Wind: West 10 Mi - Waves, N 75° E, 2' high
		130	R	331	299 47	
		1	Y-W	331	308 [illegible]	
		2	R-W	333	304 30	
		3	R-Y-W	334	309 05	
		4	R-Y	340	297 32	
		5	W	341	295 07	
		6	Y	342	302 25	
		7	R	344	303 25	
		8	Y-W	345	316 12	
		9	R-W	347	[illegible]	
		140	R-Y-W	349	317 10	
		1	R-Y	352	[illegible]	

Profile No. ____ Notes Red. ____ Date ____ Platted H.N.B. Date Jan. '36 Job No. 8109 Division No. ____ Survey of Beach Erosion Survey by Butler Notes GWK Date 12-2-35 Map No. B-1152 Indexed C. Johnson Date ____ L. B. 619 Pg. 15

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

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. at	Sight On	#	Color	Time PM	Hor. Ang.	Remarks	
"C"	"B"	142	W	354	298 55		
		3	Y	356	309 55		
		4	R	357	309 57		
		5	Y-W	359	32[illegible]	Wrap N. 10°W. 18 Mi. Waves, N 70° E.	
		6	R-W	401	31[illegible]		
		7	R-Y-W	40[illegible]	[illegible]	Floats are grouping back of	
		8	R-Y	40[illegible]	30[illegible]	boats in harbor.	
						Poor intersection	
		1[illegible]	W	407	[illegible]		
		130	Y	409	5[illegible]		
		1	R	410	[illegible]	Float picked up.	
		2	Y-W	412	33[illegible] 18	✓ ✓ ✓	
		3	R-W	414	33[illegible] 00		
		4	R-Y-W	415	[illegible]		
		5	R-Y	419	31[illegible]	✓	
		15[illegible]	W	421	3[illegible]	Float picked up.	
		7	Y	423	33[illegible]	✓ ✓ ✓	
		8	R-W	423	33[illegible] 45	✓ ✓ ✓	
		9	R-Y-W	424	33[illegible] 50	✓ ✓ ✓	

L.B. 619 P.G. 16 Job. No. 8109 Division No. 12-2-35 Notes Red Plotted HNB Profile
Survey of Beach Erosion Date Jan. '36 No.
Survey by Butler Notes Checked X-Sec.
Indexed A. C. Johnson Date Notes Chkd. Date No.

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"C"	B	160	R-Y	4-28	316 07	Picked up. Finis for today.
				4-30		Wind: West, 12 Mi; Waves, N65°E, 2' High

Profile No. ____ Notes Red. ____ Platted N.N.B. Job No. 2149 Division No. ____ L.B. 619 PG. 17
Date ____ Date Jan. '36. Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked KAR Survey by Butler Notes GWK Date 2-2-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

L.B. 619 P.G. 18 | Job. No. 8123 | 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 10-34

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

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"C"	"B"			A.M	22250	
		1	W	655	~~[illegible]~~	Wind: N 20° W, 3 Mi - Waves N 70° E, 25' high.
		2	Y	656	23057	
		3	R	658	23733	
		4	Y-W	659	24148	
		5	R-W	701	24635	
		6	R-Y	702	25020	
		7	R-Y-W	704	25405	
		8	W	715	22108	
		9	Y	717	22940	
		10	R	718	23437	
		1	Y-W	719	24110	
		2	R-W	720	24215	
		3	R-Y	723	24603	
		14	R-Y-W	725	25045	
		15	W	735	22042	Wind: North, 2' Mi. - Waves N 75° E, 25' H.
		6	Y	[illegible]	22843	
		7	R	737	23206	
		8	Y-W	739	23945	

Current Survey
Holding Seats Marks Break water
Weather: Overcast Mid-reading
water [illegible]

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. [illegible] Division No. ____ L. B. [illegible] Pg. 19
X-Sec. No. ____ Date ____ Date Jan. '36 Survey of [illegible]
Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

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STATION ~~Inst.~~ At	~~Sight~~ On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	19	R-W	740	[illegible]	
		[illegible]	R-Y	742	24335	
		[illegible]	R-Y-W	744	24845	
		[illegible]	W	755	[illegible]	
		[illegible]	Y	757	[illegible]	
		[illegible]	R	759	[illegible]	
		[illegible]	Y-W	[illegible]	[illegible]	Wind-North, [illegible] high
		[illegible]	R-W	[illegible]	[illegible]	
		[illegible]	R-Y	[illegible]	[illegible]	
		[illegible]	R-Y-W	806	[illegible]	
		[illegible]	W	[illegible]	[illegible]	
		3[illegible]	Y	[illegible]	[illegible]	
		[illegible]	R	815	[illegible]	
		[illegible]	Y-W	[illegible]	[illegible]	
		[illegible]	R-W	[illegible]	[illegible]	
		[illegible]	R-Y	821	[illegible]	
		[illegible]	R-Y-W	823	[illegible]	

L.B. 619 P.G. 20 | 12-3-35 Job. No. [illegible] Division No. [illegible] Notes Red [illegible] Plotted HNB Profile
Survey of [illegible] Date Jan. '36 No.
Survey by [illegible] Notes [illegible] Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time AM	ELEV. Hor. Ang.	Remarks
"C"	"B"	36	W	837	22320	Wind:- N 65° E, 3 Mi.; Waves:- N 40° E, 2' high.
		7	Y	838	23225	
		7	R	840	23015	
		9	Y-W	842	24053	
		40	R-W	844	23545	
		1	R-Y	845	24213	
		2	R-Y-W	847	24648	
		43	W	855	22617	
		4	Y	857	23352	
		5	R	858	23110	
		6	Y-W	900	24135	Wind:- N 60° E, 7 Mi.; Waves:- N 60° E, 2' high.
		7	R-W	902	23527	
		8	R-Y	903	24300	
		9	R-Y-W	904	24632	
		50	W	918	22837	Float picked up.
		1	Y	920	23440	✓ ✓ ✓
		2	R	921	23115	✓ ✓ ✓
		3	Y-W	924	24210	✓ ✓ ✓

Profile No. ____ Notes Red. ____ Platted K.N.B. Job No. 8149 Division No. ____ L. B. 64 Pg. 21

X-Sec. No. ____ Date ____ Date Jan. '36 Survey of Beach Erosion

Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-3-'35

Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
"C"	"3"	54	R-W	926	235 35	Foot picked up
		5	R-Y	927	[illegible]	" " "
		6	R-Y-W	928	245 37	" " "
				930		Wind:- N 60°E, 8 Mi., Waves N 60°E, 2' high
		57	W	1041	[illegible]	Wind-West, 8 Mi, - Waves N 50°E 2.5' high
		[illegible]	Y	1042	[illegible]	
		9	R	[illegible]	[illegible]	
		60	Y-W	1044	[illegible]	
		[illegible]	R-Y	1046	[illegible]	
		[illegible]	R-Y	1048	[illegible]	
		3	R-Y-W	1049	[illegible]	
		64	W	1058	224 30	Wind:- S 45°W-10 Mi, Waves: N 60°E, 2.5' high
		5	Y	[illegible]	[illegible]	
		6	R	[illegible]	[illegible]	
		7	Y-W	1101	[illegible]	
		8	R-W	1103	[illegible]	
		9	R-Y	1104	257 38	
		70	R-Y-W	1105	[illegible]	

L.B. 619 P.G. 22 | Job. No. 8109 | Division No. | Notes Red | Date | Plotted H.N.B. | Date Jan. '36 | Profile No.

Survey of Beach Estates | Survey by S.E. Butler | Notes [illegible] | Date | Notes Chkd. | Date | Checked | Date | X-Sec. No.

Indexed A. C. Johnson

Form 307 5M 10-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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 A.M. Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	71	W	1118	23440	
		2	Y	1119	24035	
		3	R	1120	24530	
		4	Y-W	1121	24835	
		5	R-W	1122	25825	A storm appears to be approaching from the west. Horizon very dark.
		6	R-Y	1123	26325	
		7	R-Y-W	1126	26517	
				1130		Wind-S.65°W, 18 Mi. Waves N60°E, 2.5' high
		77	W	1139	—	
		9	Y	1140	24050	Float picked up. Those floats up against [illegible] side.
		80	R	1141	24540	" " "
		1	Y-W	1142	24830	" " "
		2	R-W	1145	26735	
		3	R-Y	1146	27210	
		4	G-Y-W	1147	27320	Water roughing up. White-caps running.
		85	W	1200	[illegible]	Reset
		6	Y	1201	22455	"
		7	R	1202	23435	"
		8	Y-W	1203	24205	"

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 809 Division No. ____ L.B. 619 Pg. 23
X-Sec. No. ____ Date ____ Date Jan. 1936 Survey of Beach Erosion
Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-3-35
Date ____ Date ____ Map No. B-1152 Indexed A. C. Johnson Date

Form 307 5M 10-34

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STATION ~~Inst.~~ At	~~Sight~~ On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks	
"C"	"B"	89	R-W	1205	278 20	Wind: West, 20 Mi., Waves: East, 2½' high	
		90	R-Y	1206	28[illegible] 20		
		1	R-Y-W	1208	28[illegible] 15		
		92	W	1220	2[illegible]	Float pieced up: these floats	
		93	Y	1221	22[illegible]	" " "	right near
		4	R	1222	23[illegible]	" " "	S/W side of
		5	Y-W	1223	24[illegible]	" " "	[illegible]
		6	R-W	1226	2[illegible]	" " "	
		7	R-Y	1227	2[illegible]	" " "	
		8	R-Y-W	1229	28[illegible] 40	" " "	
						Wind: West, 20 Miles or more: Waves, East 2½' high.	
						White-caps running heavy.	

L.B. 619 P.G. 24 12-3-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted H.N.B. Profile
Survey of Beach Erosion Date ____ Date Jan. '36 No. ____
Survey by Butler Notes Planimeter Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Profile No._____ Notes Red._____ Platted_____ Job No._____ Division No._____ L. B. 619 Pg. 25

X-Sec. No._____ Date_____ Date_____ Survey of_____

Notes Chkd._____ Checked_____ Survey by_____ Notes_____ Date_____

Date_____ Date_____ Map No._____ Indexed C. Johnson Date_____

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

Do not extend notes this side of this line

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

A.C.J.

NOTE: L.B. 619/25 to L.B 619/34 inc are blanks pg's acct only duplicate set of notes kept instead of ~~triplicate~~ — Butler

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Form 307 5M 10-34

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

L.B. P.G. 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.

Profile No.	Notes Red.	Platted	Job No. 8109	Division No.	L. B. 619	Pg. 35
	Date	Date	Survey of Beach Erosion			
X-Sec. No.	Notes Chkd.	Checked [illegible]	Survey by	Notes GWK	Date 12-6-'35	
	Date	Date	Map No. B-1152	Indexed A. C. Johnson	Date AUG 20 1936	

CURRENT SURVEY

Vicinity Santa Monica

Breakwater.

Job No 8109. Dec. 6-'35

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

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Inst. at	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	1	W	833	258 35	Wind: East, 2 Mi, Waves: N 60 E, 1' high
		2	Y	834	255 00	Floats strung out just outside of breakwater.
		3	R	835	249 55	
		4	Y-W	836	245 52	
		5	R-W	837	238 18	
		6	R-Y	838	231 00	
		7	R-Y-W	839	220 40	
		8	W	853	255 15	
		9	Y	855	252 07	
		10	R	857	242 35	
		11	Y-W	858	237 45	
		12	R-W	900	230 40	Wind: S 60 E, 3 Mi, Waves: N 60 E 1' high
		13	R-Y	901	223 23	
		14	R-Y-W	902	213 12	
		15	W	915	252 50	
		16	Y	917	245 23	
		17	R	919	235 08	
		18	Y-W	922	229 57	

End of Santa Monica Pier.

Current Survey — Vicinity of Santa Monica Breakwater — Friday 12-6-35
Weather: Clear, mild & calm

L.B. 614 P.G. 36 Job. No. 2169 Division No. Notes Red Plotted HNB Profile
Survey of Beach Erosion Date Date Feb. '36 No.
Survey by E. Butler Notes Of Nieveck Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
C	B	19	R-W	923	22212	
		20	R-Y	924	21305	
		1	R-Y-W	924	19945	
		22	W	934	25007	Wind: S.10°E, 3 Mi., Waves: N.60°E, 1' high
		3	Y	935	24130	
		4	R	937	23003	
		5	Y-W	940	22300	
		6	R-W	942	[illegible]	
		7	R-Y	943	20337	
		8	R-Y-W	943	18757	
		9	W	955	24708	
		30	Y	956	23640	
		1	R	958	22405	
		2	Y-W	1000	21415	Wind: South, 5 Mi., Waves: N.60°E, 1' high
		3	R-W	1001	20410	
		4	R-Y	1002	19150	
		5	R-Y-W	1003	17502	

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 8149 Division No. ____ L. B. 619 Pg. 37
Date ____ Date Feb '36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by Butler Notes GWK Date 12-6-35
Date ____ Date ____ Map No. B-1152 Indexed F. Johnson Date ____

Form 307 5M 10-34

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STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	36	W	10 15	[illegible]	
		7	Y	10 16	231 40	
		8	R	10 17	218 47	
		9	Y-W	10 20	[illegible]	
		40	R-W	10 21	195 40	
		1	R-Y	10 22	[illegible]	
		2	R-Y-W	10 23	[illegible]	
		43	W	10 34	240 13	Wind:- South, 4 Mi., Waves:- N 60° E, 1' high
		4	Y	10 36	[illegible]	
		5	R	10 37	213 25	
		6	Y-W	10 40	195 03	
		7	R-W	10 41	[illegible]	
		8	R-Y	10 42	168 20	
		9	R-Y-W	10 43	153 10	
		50	W	10 56	236 47	
		1	Y	10 58	222 53	
		2	R	11 59	208 12	
		3	Y-W	11 02	183 43	Wind:- South, 5 Mi. Waves:- N 60° E, 1' high

L.B. 619 P.G. 38 | 12-6-35 Job. No. 8109 Division No. Notes Red Date Plotted H.N.B. Date Feb. '36 Profile No.

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

Survey by S.E. Butler Notes & Kleinert Notes Chkd. Date

Indexed A. C. Johnson Date

Form 307 5M 10-34

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S Time A.M.	ELEV. Hor. Ang.	Remarks
"C"	"B"	54	R-W	1104	17850	
		5	R-Y	1105	15745	
		6	R-Y-W	1106	14527	
		57	W	1114	23400	
		8	Y	1115	21935	
		9	R	1116	20410	
		60	Y-W	1119	17600	
		1	R-W	1120	17300	Float close to outer edge of Breakwater
		2	R-Y	1121	14907	
		3	R-Y-W	1122	13943	
		64	W	1134	23148	Wind:- S45°W, 8 Mi; Waves:- N. 60°E, 1' high
		5	Y	1138	21620	
		6	R	1139	19730	
		7	Y-W	1141	16630	
		8	R-W	1143	17340	
		9	R-Y	1144	13933	
		70	R-Y-W	1145	13330	

Profile No. ____ Notes Red. ____ Platted HNB Job No. ____ Division No. ____ L. B. 619 Pg. 39
Date ____ Date Feb. '36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date 12-6-35
Date ____ Date ____ Map No. B-1152 Indexed F. Johnson Date ____

Form 307 5M 10-34

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L.B. 6/19 P.G. 40 | 12-6-'35
Survey of Pearl Bay Extension
Survey by S.E. Carter Notes G. Alvarez
Indexed A. C. Johnson Date
Job. No. 819 Division
Notes Red
Date
Notes Chkd.
Date
Checked
Date
Plotted H.N.B.
Date Feb. '36
Profile No.
X-Sec. No.

STATION		B. S.	H. I.	F. S	ELEV.				
Inst.	Sight								
At	On	#	Color	Time	Hor. Ang.				Remarks
"C"	"B"	1	W	11 56 A.M.	229 47				
		2	Y	11 57	213 47				
		3	R	11 59 P.M.	196 48				Wind:- S. 75° W. 8 Mi., Waves, N 60° E, 1' high.
		4	Y-W	12 01	151 30				
		5	R-W	12 02	168 20				
		6	R-Y	12 04	131 05				
		7	R-Y-W	12 05	121 42				
		7	W	12 16	221 17				Float anchored up.
		9	Y	12 18	208 41				
		80	R	12 20	178 55				
		1	Y-W	12 23	34 53				
		2	R-W	12 25	160 28				At E. end of breakwater
		3	R-Y	12 25	115 37				
		4	R-Y-W	12 29	118 10				Wind:- West, 12 Mi, Waves:- N. 60° E. 1½' high.
"D"	"C"	85	W	1 45	303 25				Float East. Wind - West, 15 Mi. Waves. East, 1.5' high.
End of Pier		6	Y	1 46	298 45				
	End of Pier	7	R		270 45				
		8	Y-W	1 47	251 55				

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.	Remarks
D	"G"	89	R-W	148	23605	Flow Reset
		90	R-Y	148	22355	" "
On End of Pier		91	R-Y-W	149	21600	" "
		92	W	202	29002	Wind-West, 15 Mi., Waves-East, 1½' high
		3	Y	204	26340	
		4	R	205	23653	
		5	Y-W	206	21800	
		6	R-W	208	20455	
		7	R-Y	209	19650	
		8	R-Y-W	210	19428	
		99	W	222	26530	
		100	Y	223	22900	
			R	225	19513	
		2	Y-W	226	18645	
		3	R-W	227	18525	
		4	R-Y	228	18045	
		5	R-Y-W	229	18200	Wind-West, 15 Mi, Waves, East, 1½' high

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 949 Division No. ____ L. B. 619 PG. 41
Date ____ Date Feb '36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked Aar Survey by Potter Notes GWK Date 12-6-'35
Date ____ Date ____ Map No. B-1152 Indexed F. Johnson Date ____

Form 307 5M 10-34

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STATION Inst. at	Sight On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	100	W	244	233 52	
		7	Y	246	200 00	
		8	R	247	176 23	
On End		9	Y-W	248	170 45	
of Pier		110	R-W	249	173 20	
		111	R-Y	250	171 30	
		2	R-Y-W	250	174 10	
				300		Wind:- N. 80° W. 12 M.; Waves:- East, 2' high.
		113	W	301	203 35	
		4	Y	303	184 40	
		5	R	305	168 55	
		6	Y-W	306	166 00	
		7	R-W	306	168 05	
		8	R-Y	307	167 48	
		9	R-Y-W	308	170 50	
		120	W	3 22	181 28	
		1	Y	3 24	171 12	
		2	R	3 26	164 27	
		3	Y-W	3 26	162 20	

L.B. 619 P.G. 42 | 12-6-35 Job. No. 2[illegible] Division No. ___ Notes Red ___ Date ___ Plotted H.N.B. Date Feb. '36 Profile No. ___

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

Survey by S.E. Butler Notes of Alameda Date ___

Indexed A. C. Johnson

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time PM	ELEV. Hor. Ang.	Remarks
D	C	124	R-W	3 28	165 08	
		125	R-Y	3 29	164 48	
		126	R-Y-W	3 30	168 33	Wind: West, 15 Mi., Waves: East, 2' high.
		127	W	3 42	171 52	
		128	Y	3 43	166 25	
		129	R	3 45	162 30	
		130	Y-W	3 45	160 15	
		131	R-W	3 47	164 20	
		132	R-Y	3 48	164 [illegible]	
		133	R-Y-W	3 50	167 52	
				4 00		Wind: West, 12 Mi., Waves: East, 2' high.
		134	W	4 02	166 50	Float picked up
		5	Y	4 05	163 12	" " "
		6	R	4 06	160 15	" " "
		7	Y-W	4 07	158 35	" " "
		8	R-W	4 08	164 55	" " "
		9	R-Y	4 08	164 20	" " "
		140	R-Y-W	4 10	168 02	" " " All for today

Profile No. ____ Notes Red. ____ Date ____ Platted HNB Date Feb. 36 Job No. [illegible] Division No. ____ Survey of [illegible] Survey by [illegible] Notes [illegible] Date [illegible] Map No. B-115 Indexed C. Johnson Date ____ L. B. 619 Pg. 43

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

L.B. 619 P.G. 44 Job. No. 8109 Division No. ____ Notes Red ____ Plotted ____ Profile

Survey of Beach Erosion Date ____ Date ____ No. ____

Survey by S.E. Butler Notes G. Kleineck Notes Chkd. ____ Checked ____ X-Sec.

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

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

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S AM Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	1	W	916	305 00	Wind: South, 12 Mi; Waves:- N 60° E, 2' high
		2	Y	917	295 15	
		3	R	918	284 32	
On End of		4	Y-W	919	273 57	
Santa Monica		5	R-W	920	261 55	
Pier		6	R-Y	922	248 25	
		7	R-Y-W	923	237 00	
		8	W	935	311 18	
		9	Y	936	306 25	
		10	R	937	300 25	
		11	Y-W	938	289 05	
		12	R-W	939	275 50	
		13	R-Y	940	261 45	
		14	R-Y-W	942	245 27	
		15	W	955	318 17	
		16	Y	956	317 25	
		17	R	957	313 33	
		18	Y-W	958	303 40	

Profile No. ____ Notes Red. ____ Platted HNB Job No. 6109 Division No. ____ L. B. 619 PG. 45
Date ____ Date Feb '36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date 12-9-'35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

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L.B. 6/9 P.G. 46 | Job No. 12-9-'35 | Division No. | Notes Red | Plotted H.N.B. | Profile
Survey of Beach Erosion | Date | Date Feb '36 | No.
Survey by S.E. Butler | Notes Chkd. | Checked | X-Sec.
Indexed A. C. Johnson | Date | Date | No.

In STATION Sight		B.S.	H.I.	F.S	ELEV.	Remarks	
At	On	#	Color	Time A.M.	Hor. Ang.		
"D"	"C"	19	R-W	959	29 0 30		
		20	R-Y	1000	27 6 53	Wind - South, 15 M.P.H. Waves:- N 60° E, 2' high	
		21	R-Y-W	1001	25 6 03		
On end of Santa Monica Pier.		22	W	1015	32 5 03		
		2	Y	1016	32 8 53		
		4	R	1017	31 3 30		
		5	Y-W	1018	31 5 03		
		6	R-W	1019	30 7 07		
		7	R-Y	1020	28 [illegible]		
		8	R-Y-W	1022	27 [illegible]		
		23	W	1035	33 1 15	Wind - S 25° W, 12 M.P.H. Waves - N 60° E, 2' high.	
		24	Y	1036	33 0 00		
		1	R	1037	32 6 20		
		1	Y-W	1039	32 6 15		
		3	R-W	1042	32 1 35		
		4	R-Y	1043	31 [illegible]		
		5	R-Y-W	1045	29 [illegible]		

Form 307 5M 10-34

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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
"D"	"C"	36	W	1056	335 05	
		7	Y	1057	331 12	
		8	R	1059	327 10	
End of		9	Y-W	1100	328 00	Wind:- Calm Waves:- N60°E, 1½' high
Santa		40	R-W	1102	322 35	
Monica		1	R-Y	1102	315 00	
Pier		2	R-Y-W	1103	300 23	
		43	W	1116	334 53	
		4	Y	1117	331 28	
		5	R	1118	326 55	
		6	Y-W	1119	329 05	
		7	R-W	1120	323 35	
		8	R-Y	1121	319 05	
		9	R-Y-W	1122	307 55	
						Wind:- S20°E, 3 Mi., Waves:- N.60°E, 1½' high
		50	W	1135	337 30	
		1	Y	1135	333 10	
		2	R	1137	327 03	
		3	Y-W	1138	331 40	

Profile No. ____ Notes Red. ____ Platted HNB Date Feb '36 Job No. 849 Division No. ____ L. B. 6 Pg. 47
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Date ____ Survey of Beach Erosion Survey by Butler Notes [illegible] Date 12-9-'35
Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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L.B. 619 P.G. 49 Job No. 2102 Division No. Notes Red Plotted 4 N B Profile No.
Survey of Beach Erosion Date Date Date Feb '36 X-Sec. No.
Survey by T.E. Butler Notes Notes Chkd. Checked
Indexed A. C. Johnson Date 12-9-35 Date Date

Inst. Sta.	Height	B. S. #	H. I. Color	F. S. Time A.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	5 4	R-W	11 40	325 30	
		5	R-Y	11 41	323 45	
		6	R-Y-W	11 42	317 40	
		7	W	11 56	335 00	
		8	Y	11 56	337 00	→ Picked up float.
		9	R	11 56	329 20	✓ ✓ ✓
		6 6	Y-W	12 00	330 20	✓ ✓ ✓
		1	R-W	12 02	328 08	✓ ✓ ✓
		2	R-Y	12 03	326 40	✓ ✓ ✓
		3	R-Y-W	12 04	316 35	
				12 00		Wind - South, 2 Mi; Waves - N 60° E, 1½' high.
		6 4	W	12 18	12 10	Float Reset.
		3	Y	12 19	136 23	✓ ✓ ✓
		4	R	12 20	160 57	✓ ✓ ✓
		7	Y-W	12 21	160 20	✓ ✓ ✓
		8	R-W	12 22	201 30	✓ ✓ ✓
		9	R-Y	12 22	214 18	✓ ✓ ✓
		7 6	R-Y-W	12 23	228 10	✓ ✓ ✓
				12 30		Wind - South, 2 Mi; Waves - N 60° E, 1½' high.

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STATION ~~Inst.~~ At	~~Sight~~ On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks
D	C	71	W	1240	12640	
		2	Y	1241	14500	
		3	R	1242	16204	
		4	Y-W	1242	18120	
		5	R-W	1244	20345	
		6	R-Y	1245	21650	
		7	R-Y-W	1246	23530	
		78	W	100	13140	
		9	Y	100	14720	375' ± Away. (Estimated)
		80	R	101	16043	
		1	Y-W	102	17430	
		2	R-W	102	20135	
		3	R-Y	103	21850	
		4	R-Y-W	104	24305	
		85	W	120	13700	300' ± Away.
		6	Y	121	14240	
		7	R	122	15755	
		8	Y-W		16815	

Profile No. ____ Notes Red. ____ Platted HNB Job No. [illegible] Division No. ____ L. B. [illegible] Pg. 44
Date ____ Date Feb '36 Survey of [illegible]
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date 12-9-35
Date ____ Date ____ Map No. B-1152 Indexed F. Johnson Date ____

Form 307 5M 10-34

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STATION Inst.	Sight	B. S.	H. I.	F. S	ELEV.		
At	On	#	Color	Time	Hor. Ang.	Remarks	
"D"	"C"	89	R-W	R.M. 124	20215	•	
		90	R-Y	125	22150	•	
		1	R-Y-W	126	25555	• Outside of breakwater	
				130		Wind:- Waves:-	
		92	W	140	13930	•	
		3	Y	141	13745	• 200'± away.	
		4	R	141	15500	•	
		5	Y-W	143	16338	• 200'± away	
		6	R-W	144	20905	•	
		7	R-Y	144	23005	•	
		8	R-Y-W	147	26550	•	
				200		Wind:- S.45°W, 2Mi; Waves:- N60°E, 1' high	
		99	W	201	13820	• 400'± Away	
		100	Y	202	9540	•	
		1	R	204	15635	•	
		2	Y-W	205	16640	• 75'± Away	
		3	R-W	206	23510	•	
		4	R-Y	206	25015	•	
		5	R-Y-W	209	28205	•	

L.B. 619 P.G. 50 12-9-'35 Job. No. 8109 Division No. Notes Red Date Plotted KNB Date Feb. '36 Profile No.

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

Survey by S.E. Butler Notes G. Kleiner Date Date No.

Indexed A. C. Johnson Date

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Profile No.____ X-Sec. No.____ Notes Red.____ Date____ Notes Chkd.____ Date____ Platted H.N.B. Date Feb. '36 Checked Carr Date____ Job No. 8109 Division No.____ Survey of Beach Freeway Survey by Butler Notes DWK Date 12-9-35 Map No. B-452 Traced J. Johnson Date____ L.B. 619 Pg. 51

STATION Inst. At "D"	Sight On "C"	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
		106	W	220	136 45	
		7	Y	221	55 00	100'± Under Pier. Taken Out
		8	R	222	148 25	275'±
		9	Y-W	223	179 20	25'±
		110	R-W	224	29 05	150'±
		1	R-Y	225	28 20	300'±
		2	R-Y-W	227	285 30	Outside of breakwater.
				226		Winds: SW, 2 Mi/hr. Waves: N 60° E, 1' high.
		113	W	239	131 50	
		4	R	240	134 00	
		5	Y-W	241	316 15	125'±
		6	R-W	242	334 30	260'± (Stadia)
		7	R-Y	243	315 00	425'± "
		8	R-Y-W	247	285 35	Outside of breakwater.
				246		Winds: SSW, 3 Mi/hr. Waves: N 60° E, 1' high
		119	W	306	98 00	Float picked up.
		120	R	308	88 30	" " "
		1	Y-W	309	346 20	" " " 275'± (Estimated)
		2	R-Y	311	341 30	" " "
		3	R-W	313	355 35	550'± Estimated (Picked up)

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STATION		B. S.	H. I.	F. S	ELEV.		
~~Inst. Sight~~							
At	On	#	Color	Time	Hor. Ang.	Remarks	
"D"	"C"	124	2-4-W.	P.M. 319	24250'	Float picked up. Outside breakwater. All for today.	

L.B. 619 P.G. 52 Job. No. 8103 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by Sutter Notes of Meiners Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ No. ____

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks	
"D"	"C"	1	W	A.M.	135 58 ~~149 03~~	Wind - Calm.	Wave - N60°E, 1' high.
		2	Y		148 28		
		3	R		159 10		
On end of Santa Monica Pier		4	Y-W		173 40		
		5	R-W		190 58		
		6	R-Y		201 00		
		7	R-Y-W		209 02		
		8	W	848	136 50		
		9	Y	849	147 33		
		10	R	849	156 50		
		11	Y-W	850	169 25		
		12	R-W	852	187 25		
		13	R-Y	852	199 18		
		14	R-Y-W	853	209 45		
				900		Wind:- N40°W. 3 Mi., Waves:- N, 60°E, 1' high.	
		15	W	909	135 35		
		16	Y	910	145 37		
		17	R	911	153 05		
		18	Y-W	912	164 15		

Current Survey - Vicinity
Santa Monica Breakwater
Job 8109 Dec. 10-35
Weather:- Fair + Pleasant
with light breezes. Water smooth.

Profile No. ____ X-Sec. No. ____
Notes Red. ____ Date ____ Notes Chkd. ____ Date ____
Platted H.N.B. Date Feb '36 Checked Aar Date ____
Job No. 8109 Survey of Beach Erosn Survey by Sutler Notes B Map No. B-1152 Indexed C. Johnson
Division No. ____ Date 12/10/35 Date ____
L. B. 614 Pg. 53

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STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S Time AM	ELEV. Hor. Ang.	Remarks
"D"	"C"	19	R-W	914	18018	
		20	R-Y	915	19525	
		21	R-Y-W	915	20527	
		22	W	928	13620	
		3	Y	930	14433	Wind:- S60°W, 2 Mi; Waves:- N. 60°E., 1½' high.
		4	R	931	15005	
		5	Y-W	932	16000	
		6	R-W	934	17347	
		7	R-Y	935	19007	
		8	R-Y-W	936	20033	
		29	W	948	13725	
		30	Y	949	14345	
		1	R	950	14637	
		2	Y-W	952	15520	
		3	R-W	953	16635	
		4	R-Y	954	18325	
		5	R-Y-W	955	19400	
				10:00		Wind:- West, 3 Mi, Waves:- N60°E, 1½' high

L.B. 619 P.G. 54 12-10-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted H.N.B. Profile
Survey of Beach Erosion Date ____ Date Feb '36 No. ____
Survey by S.E. Butler Notes G. Hemeck Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

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STATION Inst. Sight At	On	B.S. #	H.I. Color	F.S Time AM	ELEV. Hor. Ang.	Remarks
"D"	"C"	36	W	1011	13953	
		7	Y	1011	14333	
		8	R	1012	14435	
		9	Y-W	1013	15035	
		40	R-W	1015	15835	
		1	R-Y	1016	17445	
		2	R-Y-W	1017	18717	
		43	W	1028	13935	Float spiked up. (Grounded)
		4	Y	1029	14415	
		5	R	1030	14410	Wind:- West, 5 Mi., waves:- N60°E., 1' high.
		6	Y-W	1031	14812	
		7	R-W	1033	15423	
		8	R-Y	1034	16840	
		9	R-Y-W	1035	18112	
		50	W	1047	13835	Reset
		1	Y	1049	14707	
		2	R	1050	14533	
		3	Y-W	1051	14640	

Profile No. ____ Notes Red. ____ Platted HNB Job No. 8104 Division No. ____ L.B. 619 PG. 55
X-Sec. No. ____ Date ____ Date Feb '36 Survey of Beach Erosion
Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-10-'35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

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Inst. at	Sight On	B.S. #	H.I. Color	F.S Time AM.	ELEV. Hor. Ang.	Remarks
"D"	"C"	54	R-W	1052	15150	
		5	R-Y	1054	16300	
		6	R-Y-W	1055	17515	
				1100		Wind:- West, 2 Mi; Waves:- N.60°E, 1' high
		57	W	1109	13725	
		8	Y	1113	14753	Float picked up. (Grounded)
		9	R	1115	14900	
		60	Y-W	1115	14700	
		1	R-W	1116	15010	
		2	R-Y	1117	15940	
		3	R-Y-W	1118	16922	
		64	W	1127	14130	
		5	Y	1128	14200	Reset.
		6	R	1132	15125	Wind:- West, 3 Mi., Waves:- N60°E, 1' high
		7	Y-W	1134	14900	→ Picked up. (Grounded)
		8	R-W	1135	15038	
		9	R-Y	1136	15805	
		70	R-Y-W	1137	16542	

L.B. 619 P.G. 56 12-10-33 Job. No. 8109 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by J.E. Butler Notes G. Klemeck Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ No. ____

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	71	Y	1146	14115	Float picked up.
		2	W	1147	14425	✓ ✓ ✓
		3	Y-W	1149	15025	✓ ✓ ✓
		4	R-W	1151	15128	✓ ✓ ✓
		5	R-Y	1152	15738	✓ ✓ ✓
		6	R-Y-W	1154	16435	✓ ✓ ✓
		77	W	1157	12503	Reset.
		8	Y	1158	14047	✓
		9	R	P.M. 1200	17152	✓ {Wind:- S60°W. - 3 Mi. Waves:- N60°E. ; 1' high.
		80	Y-W	1201	20052	✓
		1	R-W	1202	21822	✓
		2	R-Y	1203	22822	✓
		3	R-Y-W	1203	23520	✓
		84	W	1218	12735	
		5	Y	1219	14612	
		6	R	1219	16112	
		7	Y-W	1220	18042	
		8	R-W	1221	20015	

Profile No. ____ Notes Red. ____ Platted ____ Job No. 2[illegible] Division No. ____ L. B. 619 Pg. 57
Date ____ Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked Cuar Survey by Butler Notes Fwk Date 12-10-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

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STATION Inst. at	Sight On	B.S. #	H.I. Color	F.S Time P.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	89	R-Y	1222	213 33	
		90	R-Y-W	1223	226 00	
				1230		Wind:- S10°W, 2Mi., Waves:- N.60°E., 1' high.
		91	W	1238	132 00	
		2	Y	1239	147 12	
		3	R	1240	156 20	
		4	Y-W	1241	166 40	
		5	R-W	1242	182 53	
		6	R-Y	1242	19[illegible]55	
		7	R-Y-W	1243	214 55	
		95	W	1256	13[illegible]55	
		9	Y	1257	145 35	
		100	R	1258	152 23	
		1	Y-W	1259	160 37	
		2	R-W	1259	173 07	
		3	R-Y	100	189 25	
		4	R-Y-W	100	2[illegible] 42	Wind:- S20°W, 2Mi, Waves:- N60°E, 1' high.

L.B. 619 P.G. 58 | 12-10-35 Job. No. 8109 Division No. Notes Red Plotted Profile
Survey of Beach Erosion Date Date No.
Survey by S.E. Butler Notes G. Kleineck Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	105	W	117	132:50	
		6	Y	119	141:35	
		7	R	119	147 12	
		8	Y-W	120	154 00	
		9	R-W	121	163 20	
		110	R-Y	121	177 00	
		1	R-Y-W	122	194 38	
				130		Wind:- S.35°W, 5 Mi. Waves:- N.60°E, 1' high
		112	W	136	133 35	
		3	Y	138	138 22	
		4	R	139	143 27	
		5	Y-W	140	149 42	
		6	R-W	141	157 12	
		7	R-Y	142	167 40	
		8	R-Y-W	143	184 35	
		119	W	156	133 40	
		120	Y	158	134 57	Float picked up. - (Grounded.)
		1	R	202	139 43	Wind:- S.35°W. 5 Mi. Waves:- N 60°E., 1' high.
		2	Y-W	202	146 10	

Profile No. ____ Notes Red. ____ Platted ____ Job No. 8104 Division No. ____ L. B. 619 Pg. 59
Date ____ Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked aar Survey by Butler Notes GWK Date 12-10-35
Date ____ Date ____ Map No. B-152 Indexed A. C. Johnson Date ____

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STATION Inst. at	Sight On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	123	R-W	203	150 50	
		4	R-Y	204	158 40	
		5	R-Y-W	206	176 15	
		126	W	216	133 00	
		7	Y	217	139 40	Reset
		8	R	221	135 00	Float picked up. (Grounded)
		9	Y-W	223	145 10	
		130	R-W	224	147 03	
		1	R-Y	225	152 33	
		2	R-Y-W	226	169 05	
				230		Wind:-S. 45°W., 3 Mi. Waves:- N 60° E, ; 1' high
		133	W	238	130 25	
		4	Y	239	141 55	
		5	Y-W	243	142 40	
		6	R-W	244	143 08	
		7	R-Y	245	147 40	
		8	R-Y-W	246	162 12	

L.B. 619 P.G. 60 | 12-10-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by S.E. Butler Notes G. Kleweck Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	139	W	301	12525	Float picked up.
		140	Y	302	14350	" " "
		1	Y-W	306	13947	" " "
		2	R-W	306	13955	" " "
		3	R-Y	307	14420	" " "
		144	R-Y-W	309	15725	
				310		Wind:- S45°W. 2 Mi. waves:- N. 60°E. 1' high. All for to-day.

Profile No. ____ Notes Red. ____ Platted ____ Job No. 8149 Division No. ____ L. B. 619 PG. 61
Date ____ Date ____ Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-10-'35
Date ____ Date ____ Map No. B-1152 Indexed A. C. Johnson Date ____

L.B. 619 P.G. 62 12-11-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted ____ Profile No. ____

Survey of Beach Erosion Date ____ Date ____

Survey by Butler Notes Kleineck Notes Chkd. ____ Checked ____ X-Sec. No. ____

Indexed A. C. Johnson Date ____ Date ____ Date ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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Do not extend notes this side of this line

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

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S A.M. Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	1	W	8:20	126 50	Wind:- East, 5 Mi., Waves:- N60°E, 1' high.
		2	Y	8:21	145 53	
		3	R	8:22	176 12	6' Floats set out.
On end of Santa Monica Pier		4	Y-W	8:23	206 10	
		5	R-W	8:24	224 40	
		6	R-Y	8:25	233 53	
		7	R-Y-W	8:27	240 20	
		8	W	8:40	133 40	
		9	Y	8:41	153 15	
		10	R	8:42	197 37	
		11	Y-W	8:43	224 02	
		12	R-W	8:44	236 40	
		13	R-Y	8:45	249 08	
		14	R-Y-W	8:46	255 13	
		15	W	9:01	140 10	Wind:- East, 8 Mi., Waves:- N60°E, 1' high.
		6	Y	9:03	178 23	
		7	R	9:04	237 40	
		8	Y-W	9:05	245 35	

Current Survey - Vicinity Santa Monica Break - Water.
Job #8109 - Dec. 11-'35
Weather: Partly overcast. Chilly East wind. Water smooth.

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8109 Division No. ____ L. B. 619 Pg. 63
X-Sec. No. ____ Date ____ Date 1-4-36 Survey of Beach Erosion
Notes Chkd. ____ Checked aap Survey by Butler Notes GWK Date 12-11-35
Date ____ Date ____ Map No. B-1152 Indexed J. C. Johnson Date ____

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STATION Inst. at	Sight On	B. S. #	H. I. Color	F. S Time A.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	19	R-W	907	258 45	
		20	R-Y	907	265 05	
		1	R-Y-W	909	269 45	
		22	W	920	150 30	
		3	Y	921	202 48	
		4	R	923	255 35	
		5	Y-W	924	256 25	
		6	R-W	926	268 47	
		7	R-Y	927	273 50	
		8	R-Y-W	928	276 [illegible]	
				9:30		Wind- East, 10 Mi, waves- N60°E, 1½' high
		9	W	941	168 32	
		30	Y	942	221 30	
		1	R	943	261 00	
		2	Y-W	943	258 17	
		3	R-W	946	277 38	
		4	R-Y	947	282 08	
		5	R-Y-W	948	283 20	

L.B. 619 P.G. 64 12-11-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by S.E. Butler Notes B. Weiner Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ No. ____

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S A.M. Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	36	W	1000	18253	Wind- East, 12 Mi, Waves:- N60°E, 1½' high
		7	Y	1001	23345	
		8	R	1001	26605	
		9	Y-W	1003	26225	
		40	R-W	1005	28500	
		1	R-Y	1006	28811	
		2	R-Y-W	1007	28735	
		43	W	1020	19705	
		4	Y	1021	24705	
		5	R	1022	26800	
		6	Y-W	1025	26650	
		7	R-W	1027	28955	
		8	R-Y	1028	29355	
		9	R-Y-W	1029	29240	
				1030		Wind- East, 10 Mi, Waves:- N60°E, 1½ high
		50	W	1041	20140	
		1	R	1043	26635	Float picked up.
		2	Y-W	1044	26800	✓ ✓ ✓
		3	Y	1047	25440	✓ ✓ ✓

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 800 Division No. ____ L. B. 619 Pg. 65
X-Sec. No. ____ Date ____ Date 1-4-36 Survey of [illegible]
Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date 12-11-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

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Inst. at	Sight On	B.S. #	H.I. Color	F.S Time P.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	54	R-W	1048	29355	Float picked up.
		5	R-Y	1049	29750	✓ ✓ ✓
		6	R-Y-W	1051	29550	✓ ✓ ✓
		57	Y	1058	13305	Reset.
		8	R	1100	15023	✓ Wind:- S.75°E. 8 Mi. Waves:- N60°E, 1½' high
		9	Y-W		17735	✓
		60	R-W	1102	21730	✓
		1	R-Y	1104	23147	✓
		2	R-Y-W	1105	23912	✓
		63	Y	1119	13437	
		4	R	1120	15307	
		5	Y-W	1121	18715	
		6	W	1122	21053	
		7	R-W	1122	22320	
		8	R-Y	1123	24020	
		9	R-Y-W	1124	24930	
				1130		Wind:- S80°E, 12 Mi, Waves:- N60°E, 1½' high.

L.B. 619 P.G. 66 Job. No. 12-11-35 Division No. Notes Red Plotted Profile No.
Survey of Beach Erosion Date Date X-Sec.
Survey by Butler Notes Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

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STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S Time	ELEV. Hor. Ang.	Remarks	
"D"	"C"	70	Y	A.M. 1139	135 50		
		1	R	1140	165 47		
		2	Y-W	1141	192 45		
		3	W	1142	215 27		
		4	R-W	1143	229 40		
		5	R-Y	1143	248 53		
		6	R-Y-W	1144	258 20		
		77	Y	M. 1200	132 18	6' Float picked up	Wares:- N60°E, 1½ high; Wind:- S30°E, 10 Mi.
		8	R	P.M. 1201	175 39	✓ ✓ ✓	
		9	Y-W	1202	188 44	✓ ✓ ✓	
		80	W	1203	216 50	✓ ✓ ✓	
		1	R-W	1205	236 42	✓ ✓ ✓	
		2	R-Y	1206	257 57	✓ ✓ ✓	
		3	R-Y-W	1206	268 10	✓ ✓ ✓	
"C"	"B"	84	W	1232	291 53	6' Float set out	Wind:- S.10°E, 10 Mi.; Wares:- N60°E, 1½ high
		5	Y	1233	285 22	✓ ✓ ✓ ✓	
		6	R	1233	279 35	✓ ✓ ✓ ✓	
		7	Y-W	1234	273 33	✓ ✓ ✓ ✓	

on end of S.M. Pier

Profile No. ____ Notes Red. ____ Platted H.R. Job No. 8104 Division No. ____ L.B. 619 Pg. 67
Date ____ Date 1-4-36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-11-35
Date ____ Date ____ Map No. 5-1152 Indexed C. Johnson Date ____

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Inst. Sight At	Inst. Sight On	B.S. #	H.I. Color	F.S Time PM	ELEV. Hor. Ang.	Remarks
"C"	"B"	88	R-W	1235	266 02	6' Float set out.
		9	R-Y	1236	258 25	✓ ✓ ✓ ✓
		90	R-Y-W	1237	251 35	✓ ✓ ✓ ✓
On end of Santa Monica Pier		91	W	1253	29[illegible]50	
		2	Y	1254	28[illegible]55	
		3	R	1255	282 10	
		4	Y-W	1256	276 40	
		5	R-W	1257	268 52	
		6	R-Y	1258	258 35	?
		7	R-Y-W	100	253 40	Wind:- S75°W, 8 Mi. Waves:- N60°W, 1½' high.
		98	W	110	293 50	
		9	Y	111	288 32	
		100	R	112	284 40	
		1	Y-W	112	278 47	
		2	R-W	113	270 25	
		3	R-Y	115	256 50	
		4	R-Y-W	116	256 05	

L.B. 619 P.G. 68 | 12-11-33 Job. No. 8109 Division No. ___ Notes Red ___ Plotted ___ Profile ___
Survey of Beach Erosion Date ___ Date ___ No. ___
Survey by J.E. Butler Notes G. Alemeck Notes Chkd. ___ Checked ___ X-Sec. ___
Indexed A. C. Johnson Date ___ Date ___ Date ___ No. ___

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Inst. Sight At Station	On	B. E.	Color H. I.	Time F. S.	Hor. Ang. ELEV.	Remarks
"C"	"B"	105	W	P.M. 133	29602	Wind:- 5 80°W. 10 Mi. Waves:-
		6	Y	134	29125	
		7	R	134	28833	
		8	Y-W	135	28210	
		9	R-W	137	27320	
		110	R-Y	140	25350	
		1	R-Y-W	141	25833	
		112	W	153	29800	
		113	Y	154	29423	
		114	R	154	29120	
		5	Y-W	155	28443	
		6	R-W	156	27547	
		7	R-Y	158	25205	
		8	R-Y-W	159	25950	Wind:- 5 80°W, 5 Mi., Waves:- N. 60°E., 1' high.
		119	W	211	29915	
		120	Y	212	29620	
		1	R	213	29247	
		2	Y-W	214	28628	
		3	R-W	215	27650	

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8109 Division No. ____ L.B. 619 PG. 69
X-Sec. No. ____ Date ____ Date 1-4-36 Survey of Beach Zone
Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date 12-11-35
Date ____ Date ____ Map No. B-1152 Indexed A. C. Johnson Date ____

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Inst. at	Sight On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks
"C"	"B"	124	R-Y	216	255 00	
		5	R-Y-W	218	262 13	
		126	W	232	300 50	Wind:- 5.80°W, 12 Mi, Waves:- N60°E, 1' high.
		7	Y	232	295 30	
		8	R	233	295 28	
		9	Y-W	234	288 30	
		130	R-W	235	279 05	
		1	R-Y	237	257 25	
		2	R-Y-W	239	263 48	
		133	W	254	301 35	
		4	Y	255	300 50	
		5	R	256	298 43	
		6	Y-W	257	292 22	
		7	R-W	258	282 05	
		8	R-Y	301	258 00	Wind:- 5.85°W, 15 Mi, Waves:- N75°E, 1' high.
		139	R-Y-W	303	269 15	
		140	W	313	302 50	

L.B. 619 P.G. 70 Job. No. 8109 Division No. 12-11-35 Notes Red Plotted Profile No.
Survey of Beach Erosion Date Date X-Sec.
Survey by Butler Notes [illegible] Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time	ELEV, Hor. Ang.	Remarks
"C"	"B"	141	Y	314 P.M.	30235	
		2	R	315	30140	
		3	Y-W	316	29455	
		4	R-W	317	28455	
		5	R-Y	319	25953	
		6	R-Y-W	322	27540 ✓	
				330		Wind - West, 15 Mi, Waves: N75°E. 1' high.
		147	W	334	30400	
		8	Y	335	30557	
		9	R	336	30540	
		150	Y-W	336	29815	
		1	R-W	337	28720	
		2	R-Y	339	25953	
		3	R-Y-W	341	28625 ✓	
		154	W	353	30523	Float picked up.
		5	Y	355	30955	✓ ✓ ✓
		6	R	356	30940	✓ ✓ ✓
		7	Y-W	357	30200	✓ ✓ ✓
		8	R-W	358	28937	✓ ✓ ✓

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8109 Division No. ____ L.B. 619 Pg. 71
Date ____ Date 1-4-36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date 12-11-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

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Inst. STATION At	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	159	R-Y	P.M. [illegible]	26245	Float picked up.
		160	B-Y-W	401	29 [illegible]	" "
						All for today.
				400		Wind: -5.80'W, [illegible], Waves: -1.75°E, 1' high.

L.B. 619 P.G. 92 Job. No. 8109 Division No. Notes Red Plotted Profile
Survey of Beach Erosion Date Date No.
Survey by Butler Notes Sullivan Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

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Profile No.____ Notes Red.____ Platted H.H.R.____ Job No. 5M Division No.____ L. B. 6 PG. 23
X-Sec. No.____ Date____ Date 2-10-36 Survey of [illegible] Date [illegible]
Notes Chkd.____ Checked [illegible] Survey by [illegible] Notes [illegible] Date [illegible]
Date____ Date____ Map No. B-1152 Indexed C. Johnson Date____

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. A.M. Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	1	W	828	205:25	Wind-S60°E, 2 mi/hr waves-N.60°E, 1' high
		2	Y	824	21422	12' Float
		3	R	829	22810	2" 12"x12" block Float
On end of Santa Monica Pier		4	R-W	830	23410	Concrete with white T 3 feet east for sight
		5	W	849	71625	
		6	R-Y	749	21612	6' Float [illegible]
		7	Y	850	23550	
		8	Y-W	851	23850	6' Float [illegible]
		9	R	851	24315	
		10	Y	851	24315	6' Float [illegible]
		1	R-W	852	25508	
		2	R-Y-W	852	25508	6' Float [illegible]
				7[illegible]		[illegible]
		13	W	9[illegible]	[illegible]	
		4	R-Y	9[illegible]	[illegible]	
		5	Y	9[illegible]	[illegible]	
		6	Y-W	9[illegible]	[illegible]	
		7	Y	9[illegible]	[illegible]	
		8	R	9[illegible]	[illegible]	

Concrete Tide Gage Well
Santa Monica Pier
Lat 34°00'32.3" N
Long 118°29'57.1" W
Water Survey

Form 307 5M 10-34

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STATION Inst. at	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	19	R-W	915	274 38	
		20	S-Y-W	915	275 [illegible]	
		2	W	921	247 00	12'
			R-Y	920	28[illegible] 12	6'
			R	931	[illegible] 20	Wind - East 8 Mi. Water - N 60° E, 1½' high.
			Y	931	28[illegible] 00	12'
			Y-W	932	28[illegible] 22	6'
			Y	932	28[illegible] 38	6'
			R-W	933	28[illegible] 22	12'
			S-Y-W	933	28[illegible] 00	6'
		2	W	950	262 05	12'
			R-Y	950	270 20	6'
			R	952	28[illegible] 45	12'
			Y	95[illegible]	297 27	12'
			Y-W	95[illegible]	29[illegible] 20	6'
			Y	955	29[illegible] 00	6'
			R-W	956	29[illegible] 45	12'
			R-Y-W	956	296 10	6'

L.B. 614 P.G. 74 Job. No. 8104 Division No. Notes Red Plotted H.H.R. Profile
Survey of Seach Erosion Date Date 2-10-36 No.
Survey by S.E. Butler Notes [illegible] Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

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Profile No. ____ X-Sec. No. ____ Notes Red. ____ Date ____ Notes Chkd. ____ Date ____ Platted H.H.R. Date 2-10-36 Checked [illegible] Date ____ Job No. [illegible] Survey of [illegible] Survey by [illegible] Map No. B-(63 2-Indexed C. Johnson Date ____ Division No. ____ Notes [illegible] Date 12-12-35 L. B. 619 PG. [illegible]

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
D	C	3½	W	10 11	7 13 45	12'	10 AM [illegible] East 5 M. [illegible] N 60° E, 18 [illegible]
			R-Y	10 12	[illegible]	6'	
			R	10 13	[illegible]	12'	
			Y	10 15	[illegible]	12'	
			Y-W	10 16	304 35	6'	
			Y	10 16	304 35	6'	
			R-W	10 17	305 35	12'	
			R-Y-W	[illegible]	[illegible]	6'	
				10 30			[illegible] East 5 M. [illegible] N 60° E 2' high
		2½	W	10 34	[illegible]	12'	[illegible]
			R-Y	10 36	[illegible]	6'	" "
			R	[illegible]	[illegible]	12'	" "
			Y	10 40	[illegible]	12'	" "
			Y-W	[illegible]	314 15	6'	" "
			Y	[illegible]	314 07	6'	" "
			R-W	10 50	[illegible]	12'	" "
			R-Y-W	10 51	311 43	6'	" "
		5½	W	10 57	17 05	12'	Rock 1'
			R-Y	10 57	12 50	6'	" 1'

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STATION ~~Inst. Sight~~ at	On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.		Remarks	
		[illegible]	Y	1058	[illegible]	12'	Reset	
			Y-W	"	21[illegible] 00	6'	"	
			R	1059	[illegible]7 25	12'	"	
			Y	"	[illegible]4 30	6'	"	Wind:- [illegible]W, 10 Mi.
			R-W	1100	[illegible]	12'	"	Waves:- N60°E, 2' high
			R-Y-W	"	[illegible]	6'	"	
		61	R-Y	1117	174 00	6'		
		62	W	1117	187 50	12'		
		3	Y-W	1119	209 17	6'		
		4	Y	1120	202 00	12'		
		5	Y	1121	235 48	6'		
		6	R	1122	23[illegible] 40	12'		
		7	R-Y-W	1124	245 37	6'		
		8	R-W	1125	243 10	12'		
				1130			Wind:- 545°W, 10 Mi; Waves:- N60°E, 2' high	
		69	R-Y	1137	15[illegible] 73	6'		
		70	W	1137	18[illegible] 45	12'		
			Y-W	1138	19[illegible] 25	6'		
		2	Y	1139	193 40	12'		

L.B. 619 P.G. 76 | Job. No. 8[illegible] | Division No. | Notes Red | Plotted H.H.R. | Profile
Survey of Beach Estates | Date | Date 2-10-36 | No.
Survey by Butler | Notes | Notes Chkd. | Checked | X-Sec.
Indexed A. C. Johnson | Date | Date | Date | No.

Form 307 5M 10-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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 A.M. Time	ELEV. Hor. Ang.		Remarks
"D"	"C"	73	Y	1141	23220	6'	
		4	R	1142	22915	12'	
		5	R-Y-W	1143	24730	6'	
		6	R-W	1143	24410	12'	
		77	R-Y	1153	14720	6'	Float picked up
		8	W	1155	17355	12'	✓ ✓ ✓
		9	Y-W	1156	18420	6'	✓ ✓ ✓
		80	Y	1157	18730	12'	✓ ✓ ✓
		1	Y	1159	22450	6'	✓ ✓ ✓
		2	R	1200 M	22835	12'	✓ ✓ ✓
		3	R-Y-W	1201	25320	6'	✓ ✓ ✓
		4	R-W	1203	24610	12'	✓ ✓ ✓
				1200			Wind - S 60° W, 12 M. Waves - N 60° E 2' high
"C"	"B"	85	W	1233	26935	12'	Float reset. N/S of harbor
		6	Y-W	1233	"	6'	✓ ✓
On end of		7	Y	1235	26240	12'	✓ ✓ 1230 P.M. Wind - S 60° W, 12 M. Waves - N 60° E, 1½' high
Santa Monica		8	R-Y	1235	"	6'	✓ ✓
Pier		9	R	1237	25508	12'	✓ ✓
		90	Y	1237	"	6'	✓ ✓

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. [illegible] Division No. ____ L. B. [illegible] Pg. 77
X-Sec. No. ____ Date ____ Date 2-10-36 Survey of [illegible]
Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. B-[illegible] Indexed C. Johnson Date ____

Form 307 5M 10-34

PLEASE RETURN TO
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700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks
"C"	"E"	91	R-W	1239	[illegible]	12' float reset.
		92	R-Y-W	1239	"	6' " "
		93	W	1255	[illegible]	12' float.
		4	Y-W	1256	[illegible]	6'
		5	R-Y	1257	[illegible]	6'
		6	Y	1258	[illegible]	12'
		7	Y	1 00	[illegible]	6' [illegible] 1½' high
		8	C	1 01	[illegible]	12'
		9	R-W	1 02	[illegible]	12'
		100	R-Y-W	1 03	[illegible]	6'
		101	W	1 15	[illegible]	12'
		2	Y-W	1 15	[illegible]	6'
		3	R-Y	1 17	[illegible]	6'
		4	Y	1 18	[illegible]	12'
		5	Y	1 19	[illegible]	6'
		6	C	1 20	[illegible]	12'
		7	R-W	1 21	[illegible]	12'
		8	R-Y-W	1 22	[illegible]	6'

L.B. 619 P.G. 78 | 12-12-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted H.H.R. Profile ____
Survey of Beach Erosion Date ____ Date 2-10-36 No. ____
Survey by Butler Notes [illegible] Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.		Remarks
"C"	"5"	109	W	135	28115	12'	1:30 P.M. Wind:- S 80° W, 15 M.
		110	Y-W	138	28[illegible]	[illegible]	Waves:- N 60° E, 1½' high.
109		1	R-Y	140	27300	6'	
		2	Y	142	26[illegible]30	12'	
		3	R	145	25[illegible]	12'	[illegible]
		4	Y	146	25210	6'	" " "
		5	R-W	147	25215	12'	" " "
		6	R-Y-W	149	24810	6'	" " "
		117	Y-W	156	29633	6'	
		8	W	157	[illegible]	12'	
		9	R-Y	158	29723	6'	
		120	Y	159	25[illegible]	12'	Wind:- S 80° W. 15 M. Waves:- N 60° E, 1½' high.
		1	R	201	25812	12'	Reset.
		2	Y	202	25800	6'	"
		3	R-W	204	25348	12'	"
		4	R-Y-W	205	25348	6'	"
		125	W	215	30755	12'	
		6	Y-W	217	30700	6'	

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8104 Division No. ____ L.B. 619 Pg. 79
X-Sec. No. ____ Date ____ Date 2-10-36 Survey of Beach Ex. 05101
Notes Chkd. ____ Checked aak Survey by Butler Notes [illegible] Date 12-12-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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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 P.M.	ELEV. Hor. Ang.	Remarks
"C"	"B"	127	R-Y	2 18	282 45	6' Picked up.
		8	Y	2 26	258 55	6'
		9	R	2 27	257 27	12'
		130	Y	2 27	254 07	12'
		1	R-Y-W	2 28	251 48	6'
		2	R-W	2 29	252 10	12'
				2 30		Wind: S.80°W. 18 Mi; Waves: N70°E, 2' high.
		133	W	2 35	313 50	12'
		4	Y-W	2 36	314 22	6'
		5	Y	2 40	258 50	6'
		6	R	2 43	255 15	12' Outside of breakwater.
		7	Y	2 45	252 50	12' " " " "
		8	R-Y-W		250 35	6' " " " "
		9	R-W			Missed, back of breakwater.
O.K. →		140	W.	2 57	331 45	12' Picked up.
		1	Y-W	2 57	323 15	6' " "
		2	Y	3 02	262 00	6' " "
				3 00		Wind: S.80°W. 18 Mi; Waves: N70°E, 2' high

L.B. 619 P.G. 80 | Job. No. 8109 | Division No. | Notes Red | Date | Plotted H.H.R. | Date 2-10-36 | Profile No.
Survey of Beach Erosion | Notes Chkd. | Checked | X-Sec. No.
Survey by Butler | Notes Mitchell | Date | Date
Indexed A. C. Johnson | Date 12-17-35

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION Inst. At "C"	Sight On "B"	B. S. #3	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.	Remarks
		~~144~~ 4	W	304	27300	12' float Reset
		~~5~~ 5	Y-W	304	"	6' " "
		~~6~~ 6	Y	306	26810	12' " "
		~~7~~ 7	R-Y	306	"	6' " "
		~~8~~ 8	R	309	26130	12' " "
		~~9~~	Y	309	"	6' " "
		~~149~~ ~~150~~	R-W	311	25550	12' " "
		150	R-Y-W	311	"	6' " "
		151 ~~151~~	W	320	27707	12'
		152	Y-W	322	27530	6'
		153	Y	323	26805	12'
		154	R-Y	324	26800	6'
		155	Y	325	25950	6'
		156	R	326	25635	12'
		157	R-Y-W	328	25325	6'
		158	R-W	328	25325	12'
				330		Wind 5.75°W, 15 Mi, Waves N.75°E, 1½' high
		159 ~~160~~	W	336	28135	12'
		160	Y-W	337	27705	6'

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8109 Division No. ____ L.B. 614 Pg. 81
Date ____ Date 2-10-36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked Cah Survey by [illegible] Notes [illegible] Date 12-12-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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Inst. at	Sight On	B. S. #	H. I. Color	F. S Time P.M.	ELEV. Hor. Ang.	Remarks
"C"	B	16 1	Y	338	26935	12'
		2	R-Y	339	26850	6'
		3	Y	340	[illegible]	6'
		4	R	341	[illegible]	12'
		5	R-Y-W	342	24815	6'
		6	R-W	344	24940	12'
		167	W	[illegible]	[illegible]	12' Float picked up.
		8	Y-W	354	27750	6' " " "
		169	Y	[illegible]	[illegible]	12' " " "
		170	R-Y	[illegible]	[illegible]	6' " " "
		1	Y	358	[illegible]	6' " " "
		2	R	359	[illegible]	12' " " "
		3	R-Y-W	400	[illegible]	6' " " "
		4	R-W	401	24630	6' " " "
				4:00		Wind: 5 [illegible] E, 15 M; Waves: [illegible] E, 1½' high
						All for today

L.B. 69 P.G. 82 Job. No. 8109 Division No. Notes Red Plotted H.H.R. Profile
Survey of Beach Erosion Date 2-10-36 No.
Survey by S.F. Butler Notes of Klemick Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.
12-12-35

Form 307 5M 10-34

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LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Profile No.____ X-Sec. No.____ Notes Red.____ Date____ Notes Chkd.____ Date____ Platted H.H.R. Date 2-13-36 Checked [illegible] Date____ Job No.____ Survey of____ Survey by [illegible] Map No. B-1152 Indexed [illegible] Division No.____ L. B. [illegible] PG. [illegible] Notes [illegible] Date 12/13/35 Johnson Date____

STATION	B. S.	H. I.	F. S	ELEV.		
Inst. At "C"	Sight On "B"	#	Color	Time	Hor. Ang.	Remarks
		1	W	725	25735	12' float set out. Wind:- N40°E, 8 Mi; Marks:- N83°E Tacks 3½ high
		2	Y	726	25640	6' Float set out
		3	Y	727	25840	12' " " "
Mound of Rock, Cairn & Tack		4	Y-W	729	25823	6' " " "
		5	R	729	26053	12' " " "
		6	R-Y	729	26035	6' " " "
		7	R-W	730	26140	12' " " "
		8	R-Y-W	730	26140	6' " " "
		9	Y	737	24305	6'
		10	W	738	24545	12'
		11	Y-W	740	24705	6'
		12	Y	741	24815	12'
		13	R-Y	744	25205	6'
		14	R	744	25305	12'
		15	R-W	745	25325	12'
		16	R-Y-W	746	25117	6'
		17	Y	750	22815	6'
		18	W	751	23240	12'

Current Survey Mound of Rock Cairn & Tack Marked Cross Cut on Rock Mound. Witness: Cairn 1.0' E. Tack 1.0' W. Set, chopped.

Form 307 5M 10-34

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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 A.M.	ELEV. Hor. Ang.	Remarks
"C"	"B"	19	Y-W	754	234 30	6'
		20	Y	755	236 20	12'
		1	R-Y	757	242 10	6'
		2	R	757	243 52	12'
		3	R-W	759	244 43	12'
		4	R-Y-W	800	240 45	6' Wind:- N10°E, 15 Mi, Waves:- N 80°E, swells 3½' high
		25	Y	806	213 00	6'
		6	W	807	219 53	12'
		7	Y-W	809	219 45	6'
		1	Y	811	222 47	12'
		9	R-Y	812	226 50	6'
		30	R	814	232 30	12'
		1	R-Y-W		227 20	6'
		2	R-W		230 00	12'
		33	Y	822	197 15	6'
		4	W	823	204 53	12'
		5	Y-W	825	203 58	6'
		6	Y	827	208 30	12'

L.B. 619 P.G. 84 Job. No. 8124 12-13-35 Division No. Notes Red Plotted H.H.R. Profile
Survey of Beach Erosion Date 2-13-36 No.
Survey by Butler Notes G. Kleineck Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

Form 307 5M 10-34

PLEASE RETURN TO
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700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S A.M. Time	ELEV. Hor. Ang.		Remarks
"C"	"B"	37	R-Y	828	212 28	6'	
		8	R	829	221 29	12'	
		9	R-W	830	217 57	12'	Wind: N 10°E, 18 Mi., Waves: N 80°E, 3½' high
		40	R-Y-W	832	213 35	6'	
		41	Y	837	186 37	6'	Float picked up.
		2	W	839	192 20	12'	Float picked up.
		3	Y-W	840	[illegible]	6'	" " "
		4	Y	841	196 00	12'	" " "
		5	R-Y	843	199 25	6'	" " "
		6	R	845	210 00	12'	" " "
		7	R-W	847	203 03	12'	" " "
		8	R-Y-W	848	202 00	6'	" " "
		49	W	852	258 37	12'	float set out.
		50	Y	854	258 05	6'	" " "
		1	Y	855	260 00	12'	" " "
		2	Y-W	856	259 35	6'	" " "
		3	R	857	261 30	12'	" " "
		4	R-Y	859	261 08	6'	" " "

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8104 Division No. ____ L.B. 619 Pg. 85
Date ____ Date 2-13-36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-13-35
Date ____ Date ____ Map No. B-1152 Indexed F. Johnson Date ____

Form 307 5M 10-34

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L.B. 619 P.G. 26 | 12-13-35
Survey of Beach Erosion
Survey by Bay Cities
Indexed A. C. Johnson Date

Division No. Notes Red Date Plotted H.H.R. Profile No.
Job No. 819 Notes Chkd. Date 2-13-36 X-Sec. No.
Notes Miscellaneous Checked Date

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. Sight At	On	#	Color	A.M. Time	Hor. Ang.	Remarks	
"C"	"B"	55	R-W	8 59	260 40	12'	float set out.
		56	R-Y-W	9 00	262 35	6'	
				9 00			Wind:- N10°E, 20 M.; - Horiz.- N80°E, 3½' high.
		57	Y	9 09	24 57	6'	
		8	W	9 10	249 52	12'	
		9	Y-W	9 12	250 45	6'	
		60	Y	9 13	251 00	12'	
		1	R	9 16	251 05	12'	
		2	R-Y	9 18	251 30	6'	
		3	R-W	9 20	253 57	12'	
		4	R-Y-W	9 21	251 43	6'	
		65	Y	9 25	234 52	6'	
		6	W	9 26	244 30	12'	
		7	Y-W	9 28	237 05	6'	
		8	Y	9 29	242 50	12'	
		9	R-Y	9 30	242 50	6'	Wind:- N15°E, 15 M.; Horiz.- N80°E, 3½' high.
		70	R	9 32	244 28	12'	
		1	R-Y-W	9 34	245 00	6'	
		2	R-W	9 35	246 20	12'	

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S A.M. Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	73	Y	943	22100	6'
		4	W	945	231 18	12'
		5	Y-W	947	223 05	6'
		6	Y	949	231 10	12'
		7	R-Y	950	226 40	6'
		8	R	952	231 57	12'
		9	R-W	953	236 40	12'
		80	R-Y-W	955	231 35	6'
				1000		Wind: N 10°E, 20 Mi. Waves - East, Swells 3½ To 4' high.
		81	Y	1004	204 17	6'
		2	W	1007	219 18	12'
		3	Y-W	1008	207 20	6'
		4	Y	1011	218 00	12'
		5	R-Y	1013	209 00	6'
		6	R	1015	215 40	12'
		7	R-Y-W	1016	216 20	6'
		8	R-W	1017	222 00	12'
		89	Y	1027	187 13	6' Float picked up.
		90	Y-W	1028	192 55	6'

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8169 Division No. ____ L.B. 619 Pg. 54
Date ____ Date 2-13-36 Survey of Fresh Lines
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by [illegible] Notes [illegible] Date 12-13-[illegible]
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At "C"	Sight On "B"	#	Color	AM Time	Hor. Ang.	Remarks	
		91	R-Y	1030	196 57	6' float picked up.	
		2	W	1032	206 17	12' " " "	
		3	Y	1033	205 47	12' " " "	
		4	R	1034	203 15	12' " " "	
		5	R-W	1036	210 55	12' " " "	
		6	R-Y-W	1037	201 33	6' " " "	
				10:30		Wind:- N. 10° E, 20 Mi, Waves:- East, swells 3½ To 4' high.	
						All for today.	

L.B. 619 P.G. 88 | 12-13-35 Job. No. 8109 Division No. ___ Notes Red ___ Plotted H.H.R. Profile
Survey of Beach Erosion Date ___ Date 2-13-36 No. ___
Survey by Butler Notes Kleineck Notes Chkd. ___ Checked ___ X-Sec.
Indexed A. C. Johnson Date ___ Date ___ Date ___ No. ___

Form 307 5M 10-34

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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
"C"	Swede	1	W	827 AM	304 50	Wind N50°E - 2 mile; Waves - N45°E - ½ High Set out 12' float
	431	2	Y	829	304 51	" " 6' "
	+48.71	3	Y	830	310 58	" " 12' "
		4	Y-W	831	310 35	" " 6' "
		5	R	831½	315 41	" " 12' "
		6	Y-R	834	310 52	(?) " 6' "
		7	R-W	835	321 50	" " 12' "
		8	R-Y-W	836	321 35	" " 6' "
		9	~~W~~ Y	850	302 00	
		10	~~Y~~ W	851 ~~850~~	302 45 ~~302 00~~	
		11	~~Y~~ Y-W	853	306 30	
		12	~~Y-W~~ Y	854	306 38	
		13	~~R~~ R-Y	855	310 25	
		14	~~Y-R~~ R	856	310 35	
		15	~~R-W~~ R-Y-W	858	315 52	
		16	~~R-Y-W~~ R-W	859	316 47	
		17	Y	911	298 40	Wind N 50°E - 2 mile; Wave N45°E - ½ Hi.
		18	W	912	301 08	

on end Santa Monica Pier

1st offset on LA City Centerline

Current Survey Vicinity Santa Monica Breakwater. Weather - Clear + mild with light breeze. Water smooth.

Profile No. ____ Notes Red. ____ Platted K.N.B. Job No. 5109 Division No. ____ L. B. 619 Pg. 89
X-Sec. No. ____ Date ____ Date Feb. '36 Survey of Beach Erosion
Notes Chkd. ____ Checked WWR Survey by Bathen Notes DWR Date 12/16/36
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

L.B. 619 P.G. 90 | Job. No. 809 Division No. ____ Notes Red ____ Plotted H.N.B. Profile ____ No. ____
Survey of Beach Erosion ____ Date ____ Date Feb. '36 X-Sec. ____ No. ____
Survey by Butler Notes B 12/16/35 Notes Chkd. ____ Checked ____
Indexed A. C. Johnson Date ____ Date ____ Date ____

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At "C"	Sight On	#	Color	Time	Hor. Ang.	Remarks	
	Swede	19	Y-W	913	303 30	•	
		20	Y	914	304 46	•	
	431	21	Y-R	915	307 00	•	
	4871	22	R	917	308 10	•	
		23	R-Y-W	918	312 15	•	
		24	R-W	919	313 15	•	
		25	Y	931	298 20	•	
		26	W	932	300 44	•	
		27	Y-W	934	302 03	•	
		28	Y	935	302 50	•	
		29	Y-R	935½	305 20	• 2' float	
		30	R	936	307 20	•	
		31	R-Y-W	937	312 18	• 6' float	
		32	R-W	938	311 12	•	
		33	Y	951	298 23	• Wind. N50°E-2 mile; Wave Action N45°E-1' high	
		34	W	952	300 26	•	
		35	Y-W	954	301 38	• 6' float	
		36	Y	955	302 10	•	

Form 307 5M 10-34

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"C"	431	37	R-Y	9 56	303 26	
	+48.71	38	R	9 58	307 00	
		39	R-Y-W	9 59	310 52	
		40	R-W	10 00	310 38	
		41	Y	10 10	299 05	
		42	W	10 11	300 00	
		43	Y-W	10 12	300 20	
		44	Y	10 13	301 20	
		45	R-Y	10 14	302 40	
		46	R	10 15	307 22	
		47	R Y-W	10 16	311 10	
		48	R-W	10 17	310 00	
		49	Y	10 31	302 58	
		50	W	10 32	299 42	
		51	Y-W	10 33	301 06	
		52	Y	10 34	301 02	
		53	R-Y	10 35	303 00	
		54	R	10 36	305 40	

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 8109 Division No. ____ L. B. 619 Pg. 91
Date ____ Date Feb. 36 Survey of Beach Eros'n
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by Butler Notes B Date 12/16/35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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L.B. 619 P.G. 92 | Job. No. 6109 | Division No. | Notes Red | Date | Plotted A.N.B. | Profile | No.
Survey of Beach Erosion | Date | Date Feb. '36. | X-Sec. | No.
Survey by Butler | Notes B- 12/16/35 | Notes Chkd. | Checked | Date
Indexed A. C. Johnson | Date | Date | Date

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. at	Sight On	#	Color	Time	Hor. Ang.	Remarks	
"C"	431	55	R-Y-W	10 37	312 05		
	+48.7	56	R-W	10 37	312 18	Wind:-S25°E, 3 Mi, Waves:- N.55°E., 1' high	
		57	Y	1051	304 20	Heimeck observing.	
		8	W	1052	294 43	12' float.	
		9	Y-W	1053	304 10	6'	
		60	Y	1053	301 50		
		1	R-Y	1054	304 45	6'	
		2	R	1055	306 48	12'	
		3	R-Y-W	1056	314 45	6'	
		4	R-W	1057	312 00	12'	
				11 00		Wind: S25°E, 5 Mi. Waves:- N55°E, 1' high.	
		65	Y	1110	303 45		
		6	W	1111	300 30	12'	
		7	Y-W	1112	304 15	6'	
		8	Y	1113	301 35		
		9	R-Y	1114	304 28	6'	
		70	R	1115	308 25	12'	
		1	R-W	1116	313 30	12'	
		2	R-Y-W	1116	318 27	6'	

Form 307 5M 10-34

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S A.M. Time	ELEV. Hor. Ang. A.M.	Remarks
"C"	431	73	Y	1131	30310	Wind:- S.05°E., 5 Mi; Waves:-
	~~448~~.71	4	W	1132	30127	12'
		5	Y-W	1133	30445	6'
		6	Y	1134	30212	
		7	R-Y	1135	30433	6'
		8	R	1135	31105	12'
		9	R-W	1136	31517	12'
		80	R-Y-W	1137	32230	6'
		81	Y	1151	30330	6'
		2	W	1152	30215	12'
		3	Y	1155	29933	12'
		4	Y-W	1156	30312	6'
		5	R-Y	1158	30308	6'
		6	R	1159	31457	12'
		7	R-W	1200 M.	31612	12' Wind:- N.40°W, 5 Mi; Waves S.80°W, 1½' high
		8	R-Y-W	1200	32445	6'
				P.M.		
		89	Y	1211	30135	6'
		90	W	1212	30235	12'

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 8109 Division No. ____ L.B. 619 Pg. 93
X-Sec. No. ____ Date ____ Date Feb. 36 Survey of Beach Erosion
Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-16-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At	Sight On	#	Color	P.M. Time	Hor. Ang.	Remarks	
"C"	431	91	Y-W	1213	30103	.6' float	
	+48.71	2	Y	1214	297 35		
		3	R-Y	1215	302 55	.6'	
		4	R	1217	317 17	.12'	
		5	R-W	1217	317 20	.12'	
		6	R-Y-W	1219	326 53	.6'	
				1230		Wind: N60°W, 8 Mi., Waves: East, 1½' high.	
		97	Y	1231	297 12	.6' float picked up	
		8	W	1233	300 47	.12' " " "	
		9	Y	1234	297 27	.12' " " "	
		100	Y-W	1236	297 [illegible]	.6' " " "	
		1	R-Y	1238	302 [illegible]	.6' " " "	
		2	R	1239	300 15	.12' " " "	
		3	R-W	1240	318 20	.12' " " "	
		4	R-Y-W	1242	33[illegible]	.6' " " "	
		105	W	1252	310 00	.12' float set out	
		6	Y	1253	310 05	.6' " " "	
		7	Y	1255	310 48	.12' " " "	
		8	Y-W		310 33	.6' " " "	

L.B. 619 P.G. 94 12-26-35 Job. No. 8109 Division No. Notes Red Plotted K.N.B. Profile
Survey of Beach Erosion Date Date Feb. '36. No.
Survey by E.E. Butler Notes G.H. Tenney Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date " Date Date No.

Form 307 5M 10-34

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 P.M. Time	ELEV. Hor. Ang.	Remarks
"C"	431	109	R	1258	312 40	.12 float set out
	448.71	110	R-Y	100	312 45	.6' " " "
		1	R-W	102	314 50	.12' " " "
		2	R-Y-W	103	314 53	.6' " " "
				100		Wind:- West, 5 Mi, Waves:- East, 2' high
		113	Y	112	314 52	.6' float.
		4	W	113	312 27	.12'
		5	Y-W	114	312 48	.6'
		6	Y	115	312 05	.12
		7	R-Y	116	314 55	.6'
		8	R	117	313 05	.12'
		9	R-Y-W	119	316 47	.6'
		120	R-W	121	316 16	.12
				130		Wind:- N 70°W, 10 Mi, Waves:- East, swells 2' high
		121	Y	130	316 05	.6' float.
		2	W	132	313 20	.12' "
		3	Y-W	133	316 25	.6' "
		4	Y	135	313 40	.12' "
		5	R-Y	137	318 27	.6' "
		6	R	138	313 12	.12' "

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 8109 Division No. ____ L. B. 619 PG. 95
X-Sec. No. ____ Date ____ Date Feb '36 Survey of Beach Erosion Date 12.16.35
Notes Chkd. ____ Checked AWR Survey by Butler Notes [illegible] Date
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At	Sight On	#	Color	P.M. Time	Hor. Ang.	Remarks	
"C"	431	127	R-Y-W	139	320 00	.6' float.	
	448.71	7	R-W	141	317 35	.12' "	
		129	Y	150	31[illegible] [illegible]	.6' float.	
		130	W	151	314 42	.12' "	
			Y-W	152	318 30	.6' "	
		2	Y	153	317 [illegible]	.12' "	
		3	R-Y	154	321 53	.6' "	
		4	R	156	314 [illegible]	.12' "	
		5	R-Y-W	157	323 47	.6' "	
		6	R-W	158	318 [illegible]	.12' "	
				200		Wind:-West, 5 Mi, Waves:-East, 1½' high.	
		137	Y	210	314 [illegible]	.6' float.	
		8	W	212	316 32	.12' "	
		9	Y-W	213	321 30	.6' "	
		140	Y	214	32[illegible] [illegible]	.12' "	
		1	R-Y	215	325 40	.6' "	
		2	R-Y-W	216	328 28	.6' "	
		3	R	217	315 13	.12' "	
		4	R-W	218	319 35	.12' "	

L.B. 614 P.G. 96 | 12-16-35 Job. No. [illegible] Division No. ____ Notes Red ____ Plotted H.N.B. Profile
Survey of Beach Erosion Date Feb. '36 No. ____
Survey by [illegible] Butler Notes [illegible] Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Form 307 5M 10-34

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Profile No.____ X-Sec. No.____ Notes Red.____ Date____ Notes Chkd.____ Date____ Platted N.B. Date Feb. '36 Checked CWR Date____ Job No.____ Division No.____ Survey of____ Survey by____ Map No. B-115 Indexed____ Notes C. Johnson Date____ L. B.____ PG.____

STATION		B. S.	H. I.	F. S	ELEV.	
Inst. Sight						
At	On	#	Color	Time	Hor. Ang.	Remarks
"C"	43+	145	Y	237	310 40	6' Post. Wind:- N 45° W, 6 Miles per hour. 1½ high.
	445.7	6	Y	233	311 10	12" "
		7	Y-W	234	312 35	6" "
		8	Y	235	312 30	12" "
		9	R-Y	236	311 50	6" "
		150	R-Y-W	237	311 10	6" "
		1	R	239	310 30	12" "
		2	R-W	240	312 12	12" "
	45+		Y	250	320 40	6' Post.
		4	W	258	320 40	12" "
		5	Y-W	254	322 35	6" "
		6	Y	255	325 10	12" "
		7	R-Y	256	331 05	6" "
		8	R-Y-W	257	331 10	6" "
		9	R	258	320 05	12" "
		160	R-W	259	323 20	12" "
				300		Wind:- West, 5 MPH, Visibility 2 miles, 1½' high.
		16'	Y	311	28310	6' Post.
		"	Y-W	313	311 25	12" "

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Inst. Sight At	Inst. Sight On	B.S. #	H.I. Color	F.S Time	ELEV. Hor. Ang.	Remarks
"C"	431	163	Y-W	P.M. 3 14	[illegible] 35	.6' float
	448.71	4	Y	3 15	320 10	.12' "
		5	R-Y	3 16	332 20	.6' "
		6	R-Y-W	3 17	34[illegible] 35	.6' "
		7	R	3 19	32[illegible] 59	.12' "
		8	R-W	3 20	32[illegible] 22	.12' "
		169	Y	3 33	245 00	.6' float Wind: Wed. 3 Mi, Waves: East, 2' high.
		170	W	3 35	316 45	.12'
		1	Y-W	3 38	305 47	.6'
		2	Y	3 39	321 10	.12'
		3	R-Y	3 41	33[illegible] 25	.6'
		4	R-Y-W	3 42	345 30	.6'
		5	R-W	3 43	324 28	.12'
		6	R	3 44	326 17	.12'
		177	Y	3 55	234 08	.6' float picked up
		8	Y-W	3 56	270 30	.6' " " "
		9	W	3 58	309 00	.12' " " "
		180	Y	4 00	307 45	.12' " " "

L.B. 619 P.G. 98 | 12-16-35 Job. No. 2[illegible] Division No. Notes Red Plotted H.N.B. Profile
Survey of Beach Elevation Date Date Feb. 36 No.
Survey by Butler Notes [illegible] Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.	Remarks
"C"	431	181	R-Y-W	402	34250	.6' float picked up.
	+48.71	2	R-Y	404	33300	.6' " " "
		3	R-W	406	32227	.12' " " "
		4	R	408	32738	.12' " " "
				400		Wind:- West, 2 Mi., Waves:- East, 1½' high. All for to-day.

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. ____ Division No. ____ L. B. 619 Pg. 94
X-Sec. No. ____ Date ____ Date Feb 36 Survey of Beach Erosion
Notes Chkd. ____ Checked A.W.R. Survey by Butler Notes [illegible] Date 12-26-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

L.B. 619 P.G. 100 12-16-'35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted ____ Profile No. ____

Survey of Beach Erosion Date ____ Date ____

Survey by Butler Notes Kleineck Notes Chkd. ____ Checked ____ X-Sec. No. ____

Indexed A. C. Johnson Date ____ Date ____ Date ____

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

Profile	Notes Red.	Platted	Job No. 8109	Division No.	L. B. 619 Pg. 101
No.	Date	Date	Survey of Beach Erosion		
X-Sec.	Notes Chkd.	Checked	Survey by Butler	Notes GWL	Date 12-17-'35
No.	Date	Date	Map No.	Indexed A. C. Johnson	Date AUG 20 1936

CURRENT SURVEY

BALLONA CREEK AREA

Job # 8109 Dec. 17-'35

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

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L.B. 619 P.G. 102 Job No. 8104 Division No. Notes Red Plotted H.N.B. Profile
Survey of Beach Erosion Control Date Date Jan. 1936 No.
Survey by Butler Notes Meinzer Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

Inst. on Del Rey Pier Line at sta. 0+00 (Per Line) = Sta. 17+95 N on Coast Line
Inst. 2400 Sight Ca 0+00

Station	B.S. #	H.I. Color	Time A.M.	Hor. Ang.	Elev.	Remarks
	1	W	7 06	220 [illegible]	12'	Wind:- North, 15 Mi.
	2	Y	7 07	[illegible]	[illegible]	Waves:- N60°E, 3 wells 4' high
	3	Y	7 08	225 [illegible]	[illegible]	
	4	Y-W	7 09	226 [illegible]	6'	
	5	R	7 11	232 [illegible]	12'	
	6	R-Y	7 12	228 [illegible]	6'	
	7	R-W	7 15	[illegible]	[illegible]	
	8	R-Y-W	7 15	[illegible]	6'	
	9	Y	7 24	221 [illegible]	6'	
	10	W	7 25	224 34	12'	
	11	Y-W	7 27	225 [illegible]	6'	
	12	Y	7 27	227 35	12'	
	13	R-Y	7 28	227 35	6'	
	14	R	7 29	229 50	12'	Wind:- North, 12 Mi. - Waves:- N60°E, 4' high
	15	R-Y-W	7 32	231 55	6'	
	16	R-W	7 34	233 [illegible]	12'	
	17	Y	7 42	221 20	6'	
	18	W	7 43	226 02	12'	

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S A.M. Time	ELEV. Hor. Ang.	Remarks
2+00	6+00	19	Y-W	745	22610	6' float.
		20	Y	746	22910	12' "
		21	R-Y	748	22750	6' "
		2	R	749	23125	12' "
		3	R-Y-W	751	23150	6' "
		4	R-W	752	23425	12' "
				800		Wind:- N45°E, 10 Mi.- Waves:- N60°E, 4' high
		25	Y	804	22207	6'
		26	W	806	22755	12'
		7	Y-W	807	22635	6'
		8	Y	808	23058	12'
		9	R-Y	810	22835	6'
		30	R	811	23340	12'
		1	R-Y-W	813	23328	6'
		2	R-W	814	23717	12'
		33	Y	823	22330	6'
		4	W	825	23007	12'
		5	Y-W	826	22752	6'
		6	Y	827	23320	12'

Profile No. ____ Notes Red. ____ Platted KNB Job No. 8149 Division No. ____ L. B. 69 Pg. 103
X-Sec. No. ____ Date ____ Date Jan 19 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Bentley Notes STUC Date 12-17-35
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
2+00	0+00	37	R-Y	828	229 30	6' Wind:-N45°E, 8 Mi;-Waves:-N60°E., 4' high.
		8	R	830	236 05	12'
		9	R-Y-W	831	236 00	6'
		40	R-W	833	24[illegible] 08	12'
		41	Y	842	225 20	6'.
		2	W	844	23 2 12	12'.
		3	Y-W	845	229 07	6'.
		4	Y	846	235 23	12'.
		5	R-Y	847	231 40	6'.
		6	R-Y-W	848	237 40	6'.
		7	R	850	237 53	12'.
		8	R-W	851	242 55	12'.
				900		Wind:-N40°E, 8 Mi;-Waves:-N60°E., 4' high.
		49	Y	903	227 00	6'
		50	W	904	234 25	12'
		1	Y-W	905	230 35	6'
		2	Y	906	237 25	12'
		3	R-Y	907	233 25	6'
		4	R-Y-W	909	239 17	6'

L.B. 619 P.G. 104 12-17-35 Job. No. 819 Division No. Notes Red Date Plotted HNB Date Jan. 1936 Profile No.
Survey of Beach Erosion Notes Chkd. Date Checked Date X-Sec. No.
Survey by Butler Notes Kleinack Date
Indexed A. C. Johnson

Form 307 5M 10-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE 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 A.M. Time	ELEV. Hor. Ang.	Remarks
2+00	0+00	55	R	910	240 20	12'
		6	R-W	911	24815	12
		57	Y	923	228 30	6'
		8	W	924	23910	12'
		9	Y-W	926	232 32	6'
		60	Y	927	23943	12'
		1	R-Y	938	235 15	6'
		2	R-Y-W	939	24028	6'
		3	R	930	24327	12' Wind: N65°E, 3M; Waves: [illegible]
		4	R-W	932	25405	12' float picked up
		65	Y	941	22950	6' float picked up
		6	Y-W	942	23350	6' ✓ ✓ ✓
		7	R-Y	943	23630	6' ✓ ✓ ✓
		8	W	944	23930	12' ✓ ✓ ✓
		9	R-Y-W	945	24105	6' ✓ ✓ ✓
		70	R	947	24445	12' ✓ ✓ ✓
		1	Y	951	24230	12' ✓ ✓ ✓

Profile No. ____ Notes Red. ____ Platted [illegible] Job No. [illegible] Division No. ____ L. B. 619 Pg. 105
Date ____ Date [illegible] Survey of [illegible]
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Butler Notes [illegible] Date 12-17-35
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

Form 307 5M 10-34

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S A.M. Time	ELEV. Hor. Ang.	Remarks	
2+00	0+00			1000		Wind:- N60°E, 5 Mi.; Waves:- N60°E, 3½' high.	
		72	W	1027	141 20	12' float set out.	
		3	Y	1028	141 48	6' " " "	Wind:- Calm.
		4	Y	1030	138 50	12' " " "	Waves:- N70°E, 3' High
		5	Y-W	1031	139 20	6' " " "	
		6	R	1032	135 15	12' " " "	
		7	R-Y	1033	135 7	6' " " "	
		8	R-W	1034	130 27	12' " " "	
		9	R-Y-W	1036	130 45	6' " " "	
		80	Y	1048	149 02		
		81	W	1049	150 00		
		82	Y-W	1050	144 30		
		83	Y	1052	144 20		
		84	R-Y	1052½	139 42		
		85	R	1054	137 57		
		86	R-Y-W	1055	132 43		
		87	R-W	1056½	131 06		
				1100		Wind:- S45°W, 3 Mi.- Waves:- N70°E, 3' high	
~12		88	Y	1108	157 40	6'	

L.B. 619 P.G. 106 Job. No. 8109 Division No. 12-17-35 Notes Red Plotted HNB Profile
Survey of Beach Erosion Date Date No.
Survey by Butler Notes Gr. Kleinecke Notes Chkd. Checked Jan 1936 X-Sec.
Indexed A. C. Johnson Date Date No.

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.			
#	~~Color Time~~		~~Meas. Depth~~	~~Bottom~~	~~Ht. Tide~~	~~Adj. Depth~~	~~Remarks~~	
Inst. at	Sight on	No	Color	Time	Hor. ∡			
2+00	0+00	89	W	11 09	16000	12' float		
		90	Y-W	11 10	15025	6'		
		1	Y	11 11	15218	12'		
		2	R-Y	11 12	14415	6'		
		3	R	11 13	14420	12'		
		4	R-Y-W	11 14	13307	6'		
		5	R-W	11 15	13138	12'		
		96	Y	11 27	16705	6'		
		7	W	11 29	17253	12'		
		8	Y-W	11 29	15853	6'	Wind:-S 45°W, 5 Mi. Waves.-N. 70°E, 3' high	
		9	Y	11 31	16252	12'		
		100	R-Y	11 32	15207	6'		
		1	R	11 32	15255	12'		
		2	R-Y-W	11 33	13430	6'		
		3	R-W	11 34	13325	12'		
		104	Y	11 47	18055	Approx ∡	Obstruction	See other (2) sets of Notes
		5	W	11 48	18623			

Profile No. ____ Notes Red. ____ Platted [illegible] Job No. ____ Division No. 8109 L. B. 619 PG. 107
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Expansion
Notes Chkd. ____ Checked ____ Survey by Butler Notes [illegible] Date 12-17-'35
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.			
~~#~~	~~Color~~	~~Time~~	~~Meas. Depth~~	~~Bottom~~	~~Ht. Tide~~	~~Adj. Depth~~	Remarks	
Inst. At.	Sight on.	No	Color	Time	Hor. ∡			
2+00	0+00	106	Y-W	1150	176 32	6'		
		7	Y	1151	176 25	12'	Approx. ∡. See other (2) sets of notes.	
		8	R	1151	168 25	12'		
		9	R-Y	1152	167 50	6'		
		110	R-W	1154	140 30	12'	float picked up.	
			R-Y-W	1156	140 05	6'	.450't distant (Boat could not get to this one.	
				1200			Wind:-560° W, 3 Mi.-Waves:- N70°E, 2½' high.	
		111	W	1207	198 42	12'		
		2	Y	1208	196 37	6'		
		3	Y	1209	189 15	12'		
		4	Y-W	1209	182 00	6'	Approx. See other (2) sets of notes	
		5	R	1211	184 00	12'		
		6	R-Y	1213	190 20	6'	Picked up	
			R-Y-W	1214	94 50	6'	350'± float grounded on beach. + then cont'd along beach S.E. thru surf.	
		117	W	1227	209 37	12'		
		8	Y	1228	210 00	6'		
		9	Y	1229	202 45	12'		
		120	R	1230	196 55	12'	Wind:-West, 8 Mi-Waves:- N70°E, 2½' high.	
		1	Y-W	1231	195 23	6'		

L.B. 619 P.G. 108 | 12-17-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of Beach Erosion Date ____ Date ____ No. ____
Survey by S.E. Butler Notes G. Kleineck Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.			
~~#~~	~~Color~~	~~Time~~	~~Meas. Depth~~	~~Bottom~~	~~Ht. Tide~~	Adj. Depth	Remarks	
Inst. At	Sight on	No	Color	Time	Hor. ∡			
2+00		122	R-W	1246	130 20	12' float	Reset.	
		3	R-Y	1247	130 35	6' "	"	
		4	W	1252	218 40	12'		
		5	Y	1253	212 40	12'		
		6	R	1254	210 10	12'		
		7	Y	1255	226 53	6'		
		8	Y-W	1258	216 45	6'	600'± Boat could not go to it.	
				100		Wind: West, 3 Mi, Waves: N 45° E, 2½' high		
		129	R-W	102	134 30	12'		
		130	R-Y	102	129 27	6'		
		1	W	110	222 13	12'		
		2	Y	111	218 55	12'		
		3	R	112	217 50	12'		
	134	134	Y-W	114	223 15	6'		
			Y	115	251 05	6'	650'± Grounded in sunt.	
	135	135	R-W	117	139 17	12		
		6	R-Y	118	128 28	6'		
		7	W	124	224 20	12'		
		8	Y	126	223 00	12'		

Profile No. ____ Notes Red. ____ Platted ____ Job No. 5119 Division No. ____ L. B. 619 Pg. 109
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Butler Notes GWK Date 12-17-35
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.			
~~#~~	~~Color~~	~~Time~~	~~Meas. Depth~~	~~Bottom~~	~~Ht. Tide~~	Adj. Depth	Remarks	
Inst. At	Sight on.	No 139	Color	Time	Hor ∡	See other ② sets of notes.		
2+00	0+00		R	128	258 20	6' 500'±	Current flowing S.E. along beach.	
			Y-W	129	240 10	6' 700'±		
				130		Wind:- N75°W, 3 Mi.- Waves - N75°E, 12½' high.		
		140	R-W	134	143 45	12'		
		1	R-Y	136	124 15	6' Picked up.		
		2	W	141	[illegible] 30	12' ✓	✓	
		3	Y-W	143	[illegible] 13	6' ✓	✓	
		4	R	144	226 13	12' ✓	✓	
	145	5	Y	145	228 18	12' ✓	✓	

L.B. 619 P.G. 110 | Job. No. 8109 | Division No. | Notes Red | Plotted | Profile
Survey of Beach Erosion | Date | Date | No.
Survey by Butler | Notes Chkd. | Checked | X-Sec.
Indexed A. C. Johnson | Date | Date | No.

Profile No. ____ X-Sec. No. ____

Notes Red. ____ Platted J.O. Price E.C. Mentz Job No. 8109 Division No. ____ L. B. 619 Pg. 111

Date ____ Date 1-17-36 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by Butler Notes Gurk Date 12-18-35

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

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700 HALL OF RECORDS

Form 307 5M 10-34

CURRENT SURVEY - Contd.

Ballona Creek Area

Job #8109 Dec. 18. '35.

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

Form 307 5M 10-34

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L.B. 6/4 P.G. 112 Job. No. 8109 Division No. ___ Notes Red ___ Date ___ Plotted E.S. Mentz 1-17-36 Profile No. ___
Survey of Laguna Estates Notes ___ Date ___ Checked ___ Date ___ X-Sec. No. ___
Survey by J.E. Butler Notes Gutterrock Date ___ Notes Chkd. ___ Date ___
Indexed A.C. Johnson Date ___ Date ___

STATION		B. S.	H. I.	F. S	ELEV.		
First Sight				P.M.			
at	On	#	Color	Time	Hor. Ang.	Remarks	
2+00	0+00	1	W	8 03	132 50	12' Foot set out.	Wind:-N30°E, 10 Mi.
		2	R	8 04	135 25	6' ✓ ✓ ✓.	Waves-N60°E, 3' high swells.
		3	Y	8 06	134 15	12' ✓ ✓ ✓.	
		4	R-W	8 07	134 15	6' ✓ ✓ ✓.	
		5	R	8 08	132 07	12' ✓ ✓ ✓.	
		6	Y-W	8 09	132 20	6' ✓ ✓ ✓.	
		7	R-W	8 10	129 15	12' ✓ ✓ ✓.	
		8	R-Y	8 11	129 02	6' ✓ ✓ ✓.	
		9	R	8 21	136 40	6' Foot.	
		10	W	8 22	136 22	12' ✓.	
		11	R-W	8 23	134 20	6' ✓	
		12	Y	8 25	130 40	12' ✓.	
		13	Y-W	8 27	131 20	6' ✓.	
		14	R	8 28	130 58	12' ✓.	
		15	R-Y	8 29	128 50	6' ✓.	
		16	R-W	8 30	126 20	12' ✓. Wind.-N40°E, 8 M.; Waves-N60°E, 3' high	
		17	R	8 41	139 35	6' Foot.	
		18	W	8 42	138 05	12' ✓.	

Current survey, Coast Blvd. Balboa Coast Area. Wind from N.30°E. NE. breeze Clear Balboa Island, Swells on sea.

0+00 = Sta. (2) on Del Rey Tract Line
1+51.5 on Del Rey Tract Line
174+41.5 on Ave. Del Rey

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Profile No.____ X-Sec. No.____ Notes Red.____ Notes Chkd. Date____ Date____ Platted Date 1-17-36 J.B. Price E.C. Mentz Checked Date____ Job No. 8448 Survey of Survey by Map No.____ Division No.____ Indexed L. B. 6 1/4 PG. 1/25 Notes Date 12-20-35 Date

STATION		B. S.	H. I.	F. S	ELEV.		
~~Inst. Sight~~				A.M.			
At	On	#	Color	Time	Hor. Ang.	Remarks	
2+00	0+00	19	R-W	843	136 15	6' float.	
		20	Y	845	132 53	12' ✓	
		1	Y-W	846	133 07	6' ✓	
		2	R	847	131 50	12' ✓	
		3	R-Y	848	131 40	6' ✓	
		4	X RW?	849	125 07	12' ✓ ✓	3
				900		Wind:- N45°E, 10 Mi; Haze:- N60°E, 2½' high	
		25	R	902	142 45	6' float.	
		6	W	903	140 47	12' ✓	
		7	R-W	904	139 33	6' ✓	
		8	Y	906	132 53	12' ✓	
		9	R	907	132 38	12' ✓	
		30	Y-W	908	135 55	6' ✓	
			R-Y	909	134 40	6' ✓	
		2	R-W	910	125 07	12' ✓ ✓	4
		33	R	922	146 02	6' float.	
		4	W	923	142 45	12' ✓	
		5	R-W	923	141 20	6' ✓	
		6	Y	925	132 40	12' ✓	

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L.B. 619 P.G. 1144 Profile
Survey of Beach Erosion Control Division No. Notes Red
Survey by SE Butler Notes Chkd.
Indexed A. C. Johnson Date Date
Job No. 8109 Date 1-17-36 No.
Notes Gutenkunst Checked X-Sec.
Date Date No.
12-18-35
J.B.P.
Plotted E.C.M.

STATION		B. S.	H. I.	F. S	ELEV.		
Inst.	Sight			A.M.			
at	On	#	Color	Time	Hor. Ang.	Remarks	
2+00	0+00	37	R	926	132 35	12' float	
		8	Y-W	927	137 40	6' ✓	
		9	R-Y	928	137 03	6' ✓	5H
		40	R-W	930	124 35	12' ✓	✓
				930		Wind:-N45°E, 15M, Waves:-N60°E, 3½' high	
		41	R	942	144 19	6' float.	
		2	W	943	145 32	12' ✓	
		3	R-W	944	144 20	6' ✓	
		4	Y	945	138 08	12' ✓	
		5	R	946	137 00	12' ✓	
		6	Y-W	949	134 28	6' ✓	
		7	R-Y	946	132 2	6' ✓	
		8	R-W	950	125 35	12' ✓	✓ 6 H
				1000		Wind:-N45°E, 10M, Waves:-N60°E, 3½' high	
		49	R	1001	152 33	6' float	
		50	R-W	1002	146 22	6' ✓	
		1	W	1004	148 37	12' ✓	
		2	Y-W	1006	141 15	6' ✓	
		3	R-Y	1007	141 08	6' ✓	
		4	R	1009	133 55	12' ✓	

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Profile No.____ X-Sec. No.____ Notes Red.____ Notes Chkd. Date____ Date____ Platted Date 1-17-36 Date____ Checked____ Date____ Job No. 8100 Survey of Pearblossom Survey by Butler Map No.____ Division No. E-2515 Notes by Butler Indexed C. Johnson Date 2-18-36 Date____ L. B. 6/19 Pg. 115 J.B. Price E.C. Mentz

STATION		B. S.	H. I.	F. S	ELEV.		
~~Inst. Sight~~							
At	On	#	Color	Time	Hor. Ang.	Remarks	
2+00	0+00	55	Y	10 10	13222	12' floor	7th
		6	R-W	10 12	12537	12' ✓ ✓	
		57	R	10 21	15502	6' floor	
		8	R-W	10 22	14910	6' ✓	
		9	W	10 23	15057	12' ✓	
		60	Y-W	10 25	14220	6' ✓	8th
		1	R-Y	10 26	14035	6' ✓	
		2	R	10 28	13428	12' ✓	
		3	Y	10 28	13158	12' ✓	
		4	R-W	10 30	12620	12' ✓ Wind-N 6° E, 10 Mi; Waves-N 65° E, 3½ high	
		65	R	10 41	15735	6' floor	
		6	R-W	10 42	15135	6' ✓	
		7	W	10 43	15045	12' ✓	
		8	R-Y	10 44	14807	6' ✓	
		9	Y-W	10 45	14333	6' ✓	
		70	R	10 47	13527	12' ✓	
		1	Y	10 48	13128	12' ✓	
		2	R-W	10 49	12733	12' ✓	9th

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S AM Time	ELEV. Hor. Ang.	Remarks	
2+00	0+00	73	R	1057	159 55	6' float picked up	
		4	R-W	1058	154 25	6' ✓ ✓ ✓	
		5	W	1059	156 28	12' ✓ ✓ ✓	Wind:- N45°E, 8 Mi.
		6	R-Y	1100	146 23	6' ✓ ✓ ✓	Waves:- N60°E, 3½' high
		7	Y-W	1101	144 30	6' ✓ ✓ ✓	
		8	R	1102	135 30	12' ✓ ✓ ✓	
		9	Y	1103	131 08	12' ✓ ✓ ✓	
		80	R-W	1105	128 32	12' ✓ ✓ ✓	10th
				1130		Wind:- N60°E, 8 Mi., Waves:- N60°E., 3½' high	
		81	W	1141	185 00	12' float set out	
		2	R	1142	185 37	6' ✓ ✓ ✓	
		3	Y	1143	186 33	12' ✓ ✓ ✓	
		4	R-W	1143	186 33	6' ✓ ✓ ✓	
		5	R	1144	187 02	12' ✓ ✓ ✓	
		6	Y-W	1145	186 55	6' ✓ ✓ ✓	
		7	R-W	1146	187 32	12' ✓ ✓ ✓	
		8	R-Y	1147	187 10	6' ✓ ✓ ✓	11th
				1200		Wind:- N60°E, 8 Mi., - Waves:- N.65°E, 3' high.	
		89	R	1202	188 28	6' float	
		90	W		188 17	12' ✓	

L.B. 619 P.G. 116 | 12-18-35 Job. No. 8109 Division No. ___ Notes Red ___ Plotted J.O.P. E.C.M. Profile
Survey of Beach Erosion Date 1-17-36 No. ___
Survey by S.E. Butler Notes G. Kleineck Notes Chkd. ___ Checked ___ X-Sec.
Indexed A. C. Johnson Date ___ Date ___ No. ___

Form 307 5M 10-34

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Profile No.____ X-Sec. No.____ Notes Chkd. Date____ Checked Date____ Notes Red. Date____ Platted Date 1-17-36 Survey of Beach Erosion Survey by Butler Map No.____ Job No. 8100 Division No.____ Notes by E.C. Merritt Indexed J.D. Price Notes by W.C. Johnson Date 12-18-35 L.B. 618 Pg. 117

STATION		B. S.	H. I.	F. S	ELEV.			
Inst. At	Sight On	#	Color	P.M. Time	Hor. Ang.		Remarks	
2+00	0+00	91	R-W	1204	187 45	6' float	✓	
		92	Y	1206	186 47	12	✓	
		3	Y-W	1208	188 22	6	✓	
		4	R	1209	191 52	12	✓	1 in 14
		5	R-Y	1211	187 05	6	✓	
		6	R-W	1212	187 20	12	✓	
		97	R	1222	189 22	6' float		
		8	W	1224	190 37	12	✓	
		9	R-W	1224	189 05	6	✓ ✓	
		160	Y	1226	188 53	12	✓ ✓	
		1	Y-W	1227	190 00	6	✓	
		2	R	1228	195 20	12	✓	
		3	R-Y	1229	187 15	6	✓ ✓	
		4	R-W	1230	186 53	12	✓ ✓	13th
				1230		Wind:- N40°E, 10 Mi		Haze:- N65°E, 3' high
		105	R	1242	191 32	6' float		191°10' Sec Book 618 - Pg. 1
		6	R-W	1243	192 40	12	✓	
		107	W	1244	190 17	6	✓	
		108	Y-W	1244				

Form 307 5M 10-34

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700 HALL OF RECORDS

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

Do not extend notes this side of this line

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. at	Sight On	#	Color	P.M. Time	Hor. Ang.	Remarks	
2+00	0+00	109	Y	1245	189 40	12' float. ✓	
		110	R	1246	197 27	12' ✓ ✓	
		1	R-Y	1247	186 07	6' ✓	
		2	R-W	1248	185 05	12' ✓ ✓	
				100		Wind:- N50°E, 5 Mi; Waves:- N60°E, 2½' high	
		113	R	101	194 20	6' float. ✓	
		4	R-W	103	193 15	6' ✓ ✓	
		5	Y-W	104	192 13	6' ✓ ✓	
		6	W	105	194 33	12' ✓	
		7	R	106	200 18	12' ✓	
		8	Y	108	190 42	12' ✓ ✓	
		9	R-Y	109	187 03	6' ✓	
		120	R-W	110	184 33	12' ✓ ✓	15 th
		121	R	122	197 33	6' float. ✓	
		2	R-W	124	196 07	6' ✓ ✓	
		3	Y-W	125	195 00	6' ✓ ✓	
		4	W	126	197 13	12' ✓	
		5	Y	127	191 18	12' ✓	188°40'
		126	R-Y	127			
		7	R-W	128	185 15	12' ✓	

L.B. 6/19 P.G. 11A 12-18-35 Job. No. 8109 Division No. ___ Notes Red ___ Plotted J.B.P. E.C.M. Profile
Survey of Beach Erosion Date ___ Date 1-17-36 No. ___
Survey by Butler Notes Klamath Notes Chkd. ___ Checked ___ X-Sec.
Indexed A. C. Johnson Date ___ Date ___ Date ___ No. ___

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S PM Time	ELEV. Hor. Ang.	Remarks
2+00	0+00	128	R	132	204 15	12' float 16th
				130		Wind:- N 45°E 4 Mi., Waves:- N 60°E, 2½' high
		129	R	142	200 00	6' ✓
		130	R-W	144	198 18	6' ✓
		1	Y-W	145	197 05	6'
		2	W	146	199 20	12'
		3	R	147	206 07	12'
		4	R-Y	148	190 20	6' ✓
		5	Y	150	193 25	12'
		6	R-W	151	184 47	12' ✓ 17th
				200		Wind:- N 45°E, 6 Mi, Waves:- N 65°E, 2½' high
		137	R	202	202 00	6'
		8	R-W	203	200 20	6'
		9	Y-W	204	198 58	6'
		140	W	206	201 52	12'
		1	R	207	209 23	12'
		2	Y	209	195 20	12' ✓
		3	R-Y	210	192 15	6'
		4	R-W	211	185 14	12' ✓ 18th

Profile No. ____ Notes Red. ____ Date ____ Platted J. B. Price E. C. Mentz Job No. 8119 Division No. ____ L. B. 619 Pg. 119

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Beach Erosion Survey by Butler Notes GWK Date 12-11-85 Map No. ____ Indexed ____ Date ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. at	Sight On	#	Color	P.M. Time	Hor. Ang.	Remarks	
2+00	0+00	145	R	221	203 50	6' float	
		6	R-W	223	202 13	6'	
		7	Y-W	224	205 57	6'	
		8	W	225	203 20	12'	
		9	R	226	212 17	12'	
		150	Y	228	196 27	12'	
		1	R-Y	229	194 05	6'	
		2	R-W	230	185 55	12' 19th	
				230		Wind:- S, 15°E, 3 Mi; Waves:- N. 70°E, 2½' high.	
		153	R	241	206 33	6' float picked up	
		4	R-W	243	204 30	6'	
		5	Y-W	244	203 28	6'	
		6	R	245	215 35	12'	
		7	W	246	205 43	12'	
		8	R-Y	247	195 40	6'	
		9	Y	249	197 35	12'	
		160	R-W	250	186 12	12' 20th	
		1	R	252	186 10	6' Reset	
		2	R-W	253	186 55	6'	

L.B. 619 P.G. 120 Job No. 8109 Division No. Notes Red Plotted J.D.P. E.M. Profile
Survey of Beach Erosion Date 1-17-36 No.
Survey by Butler Notes Nearest Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

Form 307 5M 10-34

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Profile No.____ X-Sec. No.____ Notes Red.____ Notes Chkd.____ Date____ Date____ Platted Date 1-17-36 Checked____ Date____ Job No. E.C. Meath Survey of Beach Erosion Survey by Burton Map No.____ Division No.____ Noted Date 12-18-35 Indexed C. Johnson Date____ J.B. Price L.B. 617 PG. 24

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. Sight				RM			
At	On	#	Color	Time	Hor. Ang.	Remarks	
2400	0+00	163	Y-W	301	20557	6' float.	Wind:- S. 45°W. - 3 Mi. Waves:- N 75°E, 3' high
		4	R	302	21823	12' ✓ ✓	
		5	W	303	20745	12' ✓ ✓	
		6	R-Y	305	19705	6' ✓	
		7	Y	306	19830	12' ✓	
		8	R	307	18605	6' ✓ ✓	
		9	R-W	308	18550	12' ✓	
		170	R-W	309	18620	6' ✓ ✓	24 th
		171	Y-W	320	20822	6' float.	
		2	R	322	22037	12' ✓ ✓	
		3	W	324	21013	12' ✓ ✓	
		4	R-Y	325	19830	6' ✓ ✓	
		5	Y	326	19830	12' ✓ ✓	
		6	R	327	18600	6' ✓ ✓	R
		7	R-W	328	18450	12' ✓ ✓	
		8	R-W	329	18553	6' ✓ ✓	R wnd.
				330		Wind-S45°W. 3Mi; Waves:- N75°E, 3' high	✓
		179	Y-W	341	21040	6' float picked up.	✓
		180	R	343	22270	12' ✓ ✓ ✓	✓

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. at	Sight On	#	Color	Time P.M.	Hor. Ang.	Remarks	
2+00	0+00	181	W	344	21209	12' float picked up.	✓
		2	R-Y	345	200 09	6' ✓ ✓	✓ ✓
		3	Y	346	197 25	12' ✓ ✓ ✓	✓ ✓
		4	R	347	18 30	6' ✓ ✓	✓ R
		5	R-W	349	181 10	12' ✓ ✓ ✓	Approx ~~4~~ 23rd.
		6	R-W	350	183 15	6 ✓ ✓ R ✓	See other
				352		Winds - {540°W 5 Mi Waves - {N75°E 2½' high.	(3) sets of notes
						All for to-day	

L.B. 619 P.G. 127 Job. No. 8109 Division No. ____ Notes Red ____ Plotted J.B.P. E.C.M. Profile
Survey of Peach Erosion Date ____ Date 1-17-36 No. ____
Survey by S.E. Butler Notes G. Kleineck Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Profile	Notes Red.	Platted H.H.R.	Job No. 8109	Division No.	L. B. 619	Pg. 123
No.	Date	Date 2-17-36	Survey of Beach Erosion			
X-Sec.	Notes Chkd.	Checked [illegible]	Survey by Butler	Notes [illegible]	Date 12-19-'35	
No.	Date	Date	Map No. B-1152	Indexed A. C. Johnson	Date AUG 20 1936	

Weather:- Lightly Overcast. Unusually heavy Surf with large swells- Calm.

CURRENT SURVEY
Vicinity of Santa Monica
Break-water
Job # 8109 Dec 19-'35

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

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. Sight At	On	#	Color	A.M. Time	Hor. Ang.	Remarks	Wind:- S45°E. 2 Mi. Waves:- N65°E. swells are 6' to 8' high. outside of break-water.
"D"	"G"	1	W	928	254 48	12' float set out.	
		2	R	930	254 20	6' " " "	
On end of		3	Y	931	239 40	12' " " "	
Santa Monica		4	R-W	932	240 15	6' " " "	
Pier		5	R	933	229 03	12' " " "	
		6	R-Y	934	228 15	6' " " "	
		7	R-W	936	219 27	12' " " "	
		8	Y-W	937	219 28	6' " " "	
		9	W	947	247 35	12' float.	
		10	R	949	251 27	6' "	
		11	Y	950	234 40	12' "	
		12	R-W	951	232 50	6' "	
		13	R	953	218 53	12' " "	
		14	R-Y	954	216 57	6' " "	
		15	Y-W	955	212 03	6' " "	
		16	R-W	956	209 08	12' " "	
				1000		Wind:- S40°E, 5 Mi.- Waves:- N65°E, 6' to 8' high.	
		17	R	1008	260 28	6'	
		18	W	1009	242 35	12'	

L.B. 619 P.G. 124 Job. No. 8109 Division No. Notes Red Plotted H.H.R. Profile
Survey of Beach Erosion Date 2-17-36 No.
Survey by S.E. Butler Notes G.W. Kleinecke Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.
12-19-35

Form 307 5M 10-34

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700 HALL OF RECORDS

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Profile No.____ X-Sec. No.____ Notes Red.____ Platted H.H.R. Date 2-17-36 Notes Chkd. Checked Oak Date____ Job No. 2149 Division No.____ Survey of Eagle Rock Estates Survey by Porter Notes by Hunt Date 12-17-35 Map No. B-115 Indexed C. Johnson Date____ L. B. 614 Pg. 125

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. Sight				P.M.			
At	On	#	Color	Time	Hor. Ang.		Remarks
"D"	"C"	19	R-W	10 11	22105	6'	float
		20	Y	10 12	22313	12'	✓
		1	R	10 13	20717	12'	✓
		2	R-Y	10 14	20420	6	✓
		3	R-W	10 15	19950	12'	✓
		4	Y-W	10 16	20150	6'	✓
		25	R	10 28	26555	6'	✓
		6	W	10 30	23707	12'	✓ Wind:- S.40°E, 2M, Waves:- N.45°E, 6 to 5' high
		7	Y	10 31	21615	12'	✓
		8	R-W	10 32	20750	6'	✓
		9	R	10 33	19005	12'	✓
		30	R-Y	10 34	19422	6'	✓
		1	Y-W	10 35	19208	6'	✓
		2	R-W	10 36	18432	12'	✓
		33	R	10 51	26650	6'	✓
		4	W	10 53	23352	12'	✓
		5	Y	10 53	21540	12'	✓
		6	R-W	10 54	19815	6'	✓

Form 307 5M 10-34

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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 A.M.	ELEV. Hor. Ang.	Remarks
"D"	"C"	37	R	1055	170 20	12' float picked up.
		8	R-Y	1056	178 50	6'
		9	Y-W	1057	178 23	6'
		40	R-W	1058	171 20	12' float picked up.
				1100		Wind:- S.05°E. 7 Mi; Waves:- N65°E, 4 to 6 ft.
		41	R	1108	270 50	6' float.
		2	W	1110	238 00	12' "
		3	Y	1111	225 50	12' "
		4	R-W	1112	196 45	6' "
		5	R	1114	228 50	12' " Set out.
		6	R-W	1114	222 10	12' " " "
		7	R-Y	1116	165 35	6' " picked up.
		8	Y-W	1117	167 12	6' " " "
		49	R	1124	270 55	6' float.
		50	W	1126	251 08	12' "
		1	Y	1127	220 15	12' "
		2	R-W	1128	205 20	6' "
		3	R	1129	226 10	12' "
		4	R-Y	1130	226 20	6' " Set out.

L.B. 619 P.G. 126 | 12-19-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted H.H.R. Profile
Survey of Beach Erosion Date ____ Date 2-17-36 No. ____
Survey by Butler Notes Kleineck Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Form 307 5M 10-34

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Profile No.____ X-Sec. No.____ Notes Red.____ Platted H.H.R. Job No. 814 Division No.____ L.B. 614 Pg. 127
Date____ Notes Chkd.____ Date____ Date 2-11-38 Survey of Beach Erosion Survey by Butler Checked Date____ Map No. [illegible] Indexed Notes Butler Date 12-17-38 C. Johnson Date

STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	55	R-W	1131	21958	12'
		56	Y-W	1132	21927	6' Float set out.
				1130		Wind:-S.E°W, 3 Mi; Waves:-N.60°E, 4' to 6' high.
		57	R	1148	27328	6'
		58	W	1152	25317	12'
		59	Y	1153	13133	12'
		60	R-W	1154	15500	6'
		1	R-Y	1155	21530	6'
		2	R	1156	21450	12'
		3	Y-W	1157	21328	6'
		4	R-W	1159	21243	12'
				1200 PM		Wind:-S30°W, 2 Mi, Waves:-N60°E, 4' to 6' high
		65	R	1209	27435	6' float picked up.
		6	W	1211	28727	12'
		7	Y	1212	10456	12'
		8	R-W	1213	12757	6'
		9	R-Y	1215	20830	6'
		10	R	1216	20603	12'
		1	Y-W	1217	20425	6'
		2	R-W	1218	20530	12'

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At	Sight On	#	Color	P.M. Time	Hor. Ang.	Remarks	
"D"	"C"	73	W	1258	23448	12' float set out.	
		4	R	1259	23520	6' " " "	Wind:- S40°W. 5 Mi.
		5	Y	100	22905	12' " " "	Waves:- N65°E, 4 or 5'.
		6	R-W	102	22815	6' " " "	
		7	R	103	21955	12' " " "	
		8	R-Y	104	21813	6' " " "	
		9	R-W	105	20135	12' " " "	
		80	Y-W	106	20122	6' " " "	
		81	W	118	23408	12' float.	
		2	R	120	23145	6' "	
		3	R-W	121	22245	6' "	
		4	Y	122	22712	12' "	
		5	R	123	21957	12' "	
		6	R-Y	124	21147	6' "	
		7	R-W	125	20528	12' "	
		8	Y-W	126	19327	6' "	
				130		Wind:- Calm.	Waves:- N65°E, 3½' or 4'.
		89	W	142	23555	12'	
		90	R	143	22702	6'	

L.B. 619 P.G. 128 | 12-14-'35 Job. No. 619 Division No. ____ Notes Red ____ Plotted H.H.R. Profile
Survey of Beach Erosion Date ____ Date 2-17-36 No. ____
Survey by S.E. Butler Notes A. Johnson Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ No. ____

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S RM Time	ELEV. Hor. Ang.	Remarks	
"D"	"C"	91	Y	144	22340	12'	
		2	R-W	145	21235	6'	
		3	R	146	21500	12'	
		4	R-W	148	20800	12'	
		5	R-Y	148	19405	6'	
		6	Y-W	150	18630	6'	
		97	W	159	24215	12'	
		8	R	200	22253	6' Wind- calm.	Waves: N65°E, 3½' to 4'
		9	Y	201	23343	12'	
		100	R	202	21507	12'	
		1	R-W	202	20422	6'	
		2	R-W	204	20918	12'	
		3	R-Y	205	18052	6'	
		4	Y-W	206	18133	6' ✓	
		105	W	220	24303	12' float	
		6	R	220	22210	6' ✓	
		7	Y	221	25603	12' ✓	
		8	R-W	222	21637	12' ✓	

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8109 Division No. ____ L.B. 619 PG. 129
X-Sec. No. ____ Date ____ Date 2-17-30 Survey of Beach Erosion
Notes Chkd. ____ Checked CaR Survey by Butler Notes Gwt Date 12-19-'25
Date ____ Date ____ Map No. B-115 Indexed A. S. Johnson Date ____

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L.B. 6/9 P.G. 32 Job No. 5109 Division No. ____ Notes Red ____ Profile ____
Survey of Pier Plotted 11-11-35
Survey by Butler Date 2-17-36 No. ____
Notes ____ Notes Chkd. ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Checked ____ No. ____
Date ____ Date ____

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. Sight at "D"	On "C"	#	Color	P.M. Time	Hor. Ang.	Remarks	
		109	R-W	2 23	194 05	6' float	
		110	R	2 24	213 42	12' ±	
		1	Y-W	2 25	176 10	6' ±	
		2	R-Y	2 26	170 22	6' ±	
				230		Wind:- South, 2 Mi, Waves:- N65°E, 3½' to 4'	
		113	W	2 43	251 40	12'	
		4	R	243	229 20	6'	
		5	Y	244	269 15	12'	
		6	R-W	245	326 10	12' Stias overcast - Clearing up at Sea	
		7	R-W	246	186 25	6'	
		8	R	247	186 25	12'	
		9	Y-W	248	170 30	6'	
		120.	R-Y	249	158 40	6' ±	
				300		Wind:- Calm Waves:- N65°E, 4' high	
		121	W	300	276 05	12'	
		2	R	300	232 55	6'	
		3	Y	307	303 30	12' 60' ± distant	
		4	R-W	303	206 23	12'	
		5	R-W	304	180 30	6'	
		6	Y-W	305	164 30	6'	

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	127	R-Y	306	14948	6'
		28	R	307	13700	12'
		129	W	319	25105	12'
		130	R	319	23038	6'
		1	Y	320	4800	12' 10' distant (under pier) Float picked up.
		2	R-W	321	16200	12'
		3	R-W	321	17325	6'
		4	Y-W	322	15845	6'
		5	R-Y	323	14243	6'
		6	R	324	12555	12'
				330		Wind:- Calm. Waves:- N 65° E, 4' high
		137	Y	337	22520	12' Float reset.
		8	R	338	34800	6'
		9	W	340	11630	12'
		140	R-W	340	14403	12'
		141	R-W	341	16422	6'
		2	Y-W	342	15822	6'
		3	R	343	13615	12'
		4	R-Y	344	13550	6' Picked up.

Profile No. ____ Notes Red. ____ Platted H.H.R. Job No. 8109 Division No. ____ L. B. 619 Pg. 131
X-Sec. No. ____ Date ____ Date 2-17-36 Survey of Beach Erosion
Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-19-'35
Date ____ Date ____ Map No. B-1152 Indexed A. C. Johnson Date ____

Form 307 5M 10-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE 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 "D"	Sight On "C"	#	Color	P.M. Time	Hor. Ang.	Remarks	
		145	Y	357	22[illegible]	12'	
		6	R	359	245 50	6'	
		7	W	400	119 40	12'	
		8	R-W	401	166 20	6'	
		9	Y-W	402	161 12	6'	
		150	R-W	403	146 05	12'	
		1	R	404	135 40	12'	
				400		Wind:- N.40°W.	Waves:- N.65°E, 3' high
		152	Y	414	219 15	12' float picked up	
		3	R	415	245 40	6' " " "	
		4	W	416	127 00	12' " " "	
		5	R-W	417	162 05	6' " " "	
		6	Y-W	418	159 15	6' " " "	
		7	R-W	419	147 35	12' " " "	
		8	R	420	133 13	12' " " "	
				420		Wind:- N40°W, 2 Mi; Waves:- N.65°E. 4' high	
						All for to-day.	

L.B. 619 P.G. 82 12-19-35 Job. No. 8109 Division No. Notes Red Plotted H.H.R. Profile
Survey of Beach Erosion Date Date 2-17-36 No.
Survey by Butler Notes Klamath Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

Profile No.	Notes Red.	Platted	Job No. 8109	Division No.	L. B. 69 Pg. 123
	Date	Date	Survey of Beach Erosion		
X-Sec. No.	Notes Chkd.	Checked	Survey by Butler Notes		Date 12-20-35
	Date	Date	Map No.	Indexed C. Johnson	Date AUG 20 1936

CURRENT SURVEY

Vicinity of Del Rey Pier

Dec. 20, '35

Job #8109

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

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

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700 HALL OF RECORDS

Form 307 5M 10-34

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700 HALL OF RECORDS

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Do not extend notes this side of this line

L.B. 619 P.G. 13 Job No. E-1625 Division No. Profile
Survey of Beach Erosion Control Notes Red
Survey by Ritter Notes Chkd.
Indexed A. C. Johnson Date Date
Plotted HNB Date Jan. '36 No.
Checked Date X-Sec. No.

STATION	B. S.	H. I.	F. S	ELEV.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
2+00 0+00	1	W	846	140 50	12' float set out. Wind:-N70°E. 8 Mi.-Waves:-N70°E, swells 3' high
	2	R	847	139 30	6' float set out.
	3	Y	848	143 25	12' " " "
	4	R-W	849	142 02	6' " " "
	5	R	850	146 20	12' " " "
	6	Y-W	851	145 35	6' " " "
	7	R-W	852	148 45	12' " " "
	8	R-Y	853	148 23	6' " " "
			900		Wind:-N60°E, 10 Mi. Waves:- {N70°E. 3' high
	9	W	908	120 17	12'
	10	R	909	123 30	6'
	11	Y	910	133 40	12'
	12	R-W	910	132 13	6'
	13	R	911	139 10	12'
	14	Y-W	913	139 20	6'
	15	R-W	914	144 15	12'
	16	R-Y	915	144 28	6'
	17	W	927	109 35	12' Float pinched up
	18	R	928	109 50	6'

Inst. at Sta. 2+00 on Del Rey Pier
Transit line E. to a point on shore line = Sta. 17+95
at center line of 100' Road to be Constructed by L.A.C. Engr.

Inst. at Sta. 17+95 on Del Rey Pier
Transit line W. to a point on shore line = Sta. 2+00
at center line of 100' Road to be Constructed by L.A.C. Engr.

Form 307 5M 10-34

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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.____ Notes Rad.____ Date____ Notes Chkd.____ Date____ Platted H.N.B. Date Jan. '36 Checked____ Date____ Job No. 6446 Division No.____ Survey of Lagoon Survey by [illegible] Notes [illegible] Map No.____ Index C. Johnson Date____ L.B. 6/9 Pg. 135 Date 12-20-35

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At	Sight On	#	Color	A.M. Time	Hor. Ang.		Remarks
2400	0400	19	Y	929	128 23	12'	
		20	E-W	930	129 17	6'	Wind:-N35E, 10 Mi Waves:-N70°E, 3½ to 4' high
		1	R	931	132 30	12'	
		2	Y-W	932	135 10	6'	
		3	R-W	932	139 10	12'	
		4	R-Y	933	139 08	6'	
		25	Y	951	117 25	12'	Float picked up
		6	E	952	118 50	6'	" " "
		7	R	953	125 35	12'	" " "
		8	Y-W	954	124 20	6'	" " "
		9	R-W	955	122 40	6'	" " "
		30	R-W	[illegible]	133 30	12'	" " "
		1	R-Y	957	134 05	6'	" " "
				1000			Wind:-N70°E, 3M, Waves:-N70°E, 3½ to 4' high
		32	W	1003	198 07	12'	Float set out.
		3	R	1005	192 15	6'	" " "
		4	Y	1006	193 40	12'	" " "
		5	R-W	1007	192 55	6'	" " "
		6	R	1008	190 30	12'	" " "

Form 307 5M 10-34

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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.~~ At	~~Sight~~ On	#	Color	A.M. Time	Hor. Ang.	Remarks	
2+00	0+00	37	Y-W	1009	190 00	6' float set out.	
		8	R-W	1010	188 10	12' " " "	
		9	R-Y	1011	187 35	6' " " "	
		40	W	1023	191 55	12'	
		1	R	1024	191 40	6'	
		2	Y	1025	186 57	12'	
		3	R-W	1026	184 17	6'	
		4	Y	1027	184 50	12'	
		5	Y-W	1028	179 40	6' approx. ∡ Pier obstructs view	See Book #618.
		6	R-W			Could not see.	
		7	R-Y			" " "	
				1030		Wind:-N50°E, 5 Mi.-Waves:-N 70°E, 3½' to 4'.	
		48	W		——	12' Could not see	
		9	R	1042	182 00	6' approx ∡ - See Book #618	
		50	Y		——	12'	
		1	R		——	12' → Could not see.	See Book #618.
		2	RW	1045	174 48	6	
		3	RW		——	12	
		4	Y-W	1045	173 30	6'	

L.B. 619 P.G. 136 | 12-20-35 Job. No. 8109 Division No. ___ Notes Red ___ Date ___ Plotted H.N.B. Date Jan. '36 Profile No. ___

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

Survey by Butler Notes G. Kleineck Date ___

Indexed A. C. Johnson

Form 307 5M 10-34

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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
2+00	0+00	55	R-Y	1048	17400	6'
				1100		Wind:-N50°E, 7 Mi; Waves:-N70°E, 3 to 4' high
		56	W	1104	15545	12'
		7	Y	1105	16805	12'
		8	R	1106	17033	6'
		9	R	1107	17358	12'
		60	R-W	1108	16540	6'
		1	R-W	1110	17203	12'
		2	Y-W	1111	16530	6'
		3	R-Y	1112	16622	6'
		64	W	1121	14430	12'
		5	Y	1121	15840	12'
		6	R	1122	16347	6'
		7	R	1123	16910	12'
		8	R-W	1124	16835	12'
		9	R-W	1124	15900	6'
		70	Y-W	1125	16100	6'
		1	R-Y	1126	16210	6'
				1130		Wind:-N35°E, 6 Mi;-Waves:-N75°E, 3 to 4'

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 8104 Division No. ____ L.B. 619 Pg. 137
Date ____ Date Jan. '36 Survey of [illegible]
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Butler Notes [illegible] Date 12-20-'35
Date ____ Date ____ Map No. ____ Indexed A.C. Johnson Date ____

Form 307 5M 10-34

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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. at	Sight On	#	Color	A.M. Time	Hor. Ang.	Remarks	
2+00	0+00	72	W	1135	136 20	12'	
		3	Y	1136	149 28	12'	
		4	R	1137	157 50	6'	
		5	R	1137	164 30	12'	
		6	R-W	1138	165 00	12'	
		7	R-W	1138	154 12	6'	
		8	Y-W	1139	158 08	6'	
		9	R-Y	1140	160 17	6'	
		80	W	1158	128 15	12'	
		1	Y	1159	138 40	12'	
		2	R	1159	151 32	6'	
		3	R	P.M. 1200	157 20	12'	Wind:-N30°E, 4 Mi; Waves:-N70°E, 3 to 4' high.
		4	R-W	1202	148 55	6'	
		5	R-W	1203	161 40	12'	
		6	R-Y	1204	157 23	6'	
		7	Y-W	1204	154 05	6'	
		88	W	1218	122 12	12'	
		9	Y	1218	130 28	12'	

L.B. 614 P.G. 138 12-20-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted HNB Profile
Survey of Beach Erosion Date ____ Date Jan '36 No. ____
Survey by Butler Notes Meineck Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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Do not extend notes this side of this line

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.	Remarks
2+00	0+00	90	R	1219	147 12	6'
		1	R	1220	152 55	12'
		2	R-W	1221	158 48	12'
		3	R-W	1222	145 23	6'
		4	Y-W	1223	152 30	6'
		5	R-Y	1224	154 37	6'
				1230		Wind:-N30°E, 3 Mi-, Waves:-N70°E, 3 to 4' high.
		96	W	1234	118 17	12' float picked up- Light rain
		7	Y	1235	125 12	12' " " " falling with sun
		8	R	1236	143 02	6' " " " shining
		9	R	1237	148 28	12' " " "
		100	R-W	1239	155 25	12' " " "
		1	R-W	1240	141 57	6' " " "
		2	Y-W	1241	149 53	6' " " "
		3	R-Y	1242	152 05	6 " " " "
		104	W	116	190 12	12' float set out. Wind:-S70°W. 8 Mi. Waves:-N70°E, 3½ to 4' high
		5	R	117	188 25	6' " " "
		6	Y	118	185 03	12' " " "
		7	R-W		183 57	6' " " "

Profile No. ____ Notes Red. ____ Platted HNB Job No. 8102 Division No. ____ L. B. 619 Pg. 139
Date ____ Date Jan 36 Survey of Beech Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Butler Notes Bink Date 12-20-35
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

Form 307 5M 10-34

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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	
2400	0400	108	R	120	181 25	12' float set out.	
		9	Y-W	122	"	6' " " "	
		110	R-W	123	180 35	12' " " "	
		1	R-Y	124	"	6' " " "	
						These ∡s approx. Pier obstructed view - See Book #618.	
		112	W	138	168 13	12'.	
		3	R	139	161 00	6'.	
		4	Y	140	164 05	12'.	
		5	R-W	142	162 45	6'	
		6	Y-W	143	167 07	6'	
		7	R	144	168 40	12'	
		8	R-Y	145	170 03	6'	
		9	R-W	147	169 18	12'	
		120	W	157	146 10	12'.	
		1	R	158	138 15	6'.	
		2	Y	159	143 08	12'.	
		3	R-W	200	145 10	6' Wind:- S70°W. 8 Mi; Waves:- N70°E, 3 to 4'.	
		4	Y-W	201	151 50	6'.	
		5	R	202	156 50	12'.	

L.B. 619 P.G. 140 12-20-43 Job. No. 8109 Division No. ____ Notes Red ____ Plotted HNB Profile
Survey of Beach Estuary Date ____ Date Jan. '36 No. ____
Survey by Butler Notes Wieneck Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	E. S. P.M. Time	ELEV. Hor. Ang.		Remarks
2+00	0+00	126	R-W	203	159 32	12'	
		7	R-Y	204	157 13	6'	
		128	W	214	129 32	12'	
		9	Y	215	126 45	12'	
		130	R	215	122 50	6'	
		1	R-W	216	130 40	6'	
		2	Y-W	217	137 47	6'	
		3	R	218	145 20	12'	
		4	R-W	219	148 17	12'	
		5	R-Y	220	146 20	6'	
		136	W	230	116 00	12'	float [illegible]
		7	Y	231	112 40	12'	" " "
		8	R	232	112 23	6'	" " "
		9	R-W	233	119 18	6'	" " "
		140	Y-W	234	124 53	6'	" " "
		1	R	235	132 42	12'	" " "
		2	RW	237	133 02	12'	" " "
		3	R-Y	238	132 40	6'	" " "

Wind:- West - 8 Mi.
Waves:- N70°E. 3' high.

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. [illegible] Division No. ____ L. B. 619 Pg. 141
Date ____ Date Jan. '36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Butler Notes [illegible] Date 12-20-35
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Form 307 5M 10-34

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. at	Sight On	#	Color	Time	Hor. Ang.	Remarks	
2+00	0+00	144	W	245	213 45	12' float set out.	
		5	R	245	211 40	6' " " "	
		6	Y	246	209 10	12' " " "	
		7	R-W	247	208 30	6' " " "	
		8	R	247	20[illegible] 0	12' " " "	
		9	Y-W	248	204 18	6' " " "	
		150	R-W	249	201 40	12' " " "	
		1	R-Y	250	201 [illegible]	6' " " "	
				300		Wind:-S70°W, 5 Mi-Waves:-N70°E, 2½ to 3'.	
		152	R	306	——	6' Could not see -	See Book #618
		3	W	307	181 25	12' - Approx. ∡	
		4	Y	309	182 53	12'	
		5	R-W	310	181 30	6' - Approx ∡ - see Book #618	
		6	R	311	187 00	12'	
		7	Y-W	312	181 25	6' - Approx ∡ -	See Book #618
		8	R-W	313		12' Could not see	
		9	R-Y	313		6' " " "	
		160	R	326	138 20	6'.	
		1	W	327	[illegible]	12'.	

L.B. 619 P.G. 1462 Job. No. 8109 12-20-35 Division No. ____ Notes Red ____ Plotted HNB Profile
Survey of Neagle Erosion Date ____ Date Jan. '36 No. ____
Survey by S.E. Butler Notes Kleineck Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ No. ____

Form 307 5M 10-34

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
2+00	0+00	162	Y	328	153 35	12'
		3	R-W	329	[illegible] 35	6'
		4	R	330	162 50	12' Wind:-S70°W, 7 Mi; Waves:-N70°E, 3' high
		5	Y-W	331	155 30	6'
		6	R-Y	332	161 40	6'
		7	R-W	333	161 55	12'
				400		Wind:-N45°W, 10 Mi; Waves:-N70°E, 3 to 4' high.
		168	R	355	114 15	6' float picked up
		169	W	356	117 10	12' " " "
		170	Y	357	114 35	12' " " "
		1	R	358	126 27	12' " " "
		2	R-W	359	115 50	6' " " "
		3	Y-W	400	126 20	6' " " "
		4	R-Y	401	132 05	6' " " "
		5	R-W	402	132 00	12' " " "

All for today.

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 204 Division No. ____ L.B. 619 Pg. 143
X-Sec. No. ____ Date ____ Date Jan '36 Survey of [illegible] Erosion
Notes Chkd. ____ Checked ____ Survey by Butler Notes G.W.L. Date 12-20-'35
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

L.B. 619 P.G. 44A 12-20-135 Job. No. 8119 Division No. ____ Notes Red ____ Plotted H.N.B. Profile

Survey of Beach Erosion Date ____ Date Jan '36 No. ____

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

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

Form 307 5M 10-34

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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

Profile No. ____ X-Sec. No. ____

Notes Red. ____ Date ____ Notes Chkd. ____ Date ____

Platted H.N.B. Date Jan. '36 Checked Cook Date ____

Job No. 8169 Division No. ____ Survey of Beach Erosion

Survey by Public Works Notes Cook Date 12-23-35

Map No. B-1152 Indexed A. C. Johnson Date AUG 20 1936

L. B. 9 Pg. 145

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700 HALL OF RECORDS

Form 307 5M 10-34

STATION	B. S.	H. I.	F. S	ELEV.	Remarks
Inst. Origin					CURRENT SURVEY
At On	#	Color	Time	Hor. Ang.	Vicinity of Santa Monica
					Break Water
					Job # 8169 Dec. 23 '35

Form 307 5M 10-34

PLEASE RETURN TO
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700 HALL OF RECORDS

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Do not extend notes this side of this line

L.B. 6/19 P.G. 44 Job No. 5802 Division No. Notes Red Plotted H.N.B.
Survey of Beach Erosion Date Date Feb. '36 Profile
Survey by T.E. Button Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

STATION		B. S.	H. I.	F. S	ELEV.		
Inst. at	Sight On	#	Color	Time	Hor. Ang.	Remarks	
"C"	"B"	1	W	8 32	24 20	12' Float out sat.	Wind:- E at 7 M. Waves:- N70°E 3 to 5' high. Swells
		2	R	8 30	26 03	6'	
		3	Y	8 30	26 2 00	12'	
		4	R-W	8 25	26 1 10	6'	
		5	R	8 39	20 1 12	12'	
		6	Y-W	8 31	1 22	6'	
		7	R-W	8 38	25 24 2	12'	
		8	R-Y	8 39	23 20	6'	
		9	W	8 32	26 0 10	12'	
		10	R	8 54	25 7 45	6'	
		11	Y	8 56	24 9 13	12'	
		12	R-W	8 58	24 6 53	6'	
		13	R	9 00	24 4 05	12'	Wind.-S60°E, 10 M. Waves:- N70°E
		14	Y-W	9 01	24 2 00	6'	Swells 3 to 4' high.
		15	R-Y	9 02	24 0 37	6'	
		16	R-W	9 03	24 1 10	12'	
		17	W	9 13	24 6 37	12'	
		18	R	9 15	24 4 10	6'	

Oneonta Point to Pleasure Pier Outer Gate Line
Pleasure Pier to Gate Line
Pleasure Pier - Outer Gate Line
Pleasure Pier to Gate Line

Form 307 5M 10-34

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 A.M. Time	ELEV. Hor. Ang.	Remarks
"C"	"B"	19	Y	916	24037	12'
		20	R-W	917	24045	6'
		1	Y-W	918	23730	6'
		2	R	919	23617	12'
		3	R-W	919	23305	12'
		4	R-Y	920	23127	6'
				930		Wind:- S60°E, 8 Mi. Waves:- N65°E, 3 to 4' high
		25	W	930	23750	12'
		6	R	932	23805	6'
		7	Y	933	23547	12'
		8	R-W	933	23440	6'
		9	Y-W	934	23300	6'
		30	R	935	23042	12'
		1	R-W	935	22605	12'
		2	R-Y	936	22303	6'
		33	W	950	22808	12'
		34	R	952	23013	6'
		35	Y	952	22640	12'
		36	R-W	953	22852	6'

Profile No. ____ Notes Red. ____ Date ____ Platted H.N.B. Date Feb. '36 Job No. 8109 Division No. ____ Survey of Beach Erosion Survey by Butler Notes Gulf Date 12-23-35 Map No. B-1152 Indexed J. Johnson Date ____ L.B. 619 PG. 147

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

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S	ELEV.		
Inst. At "C"	Sight On "B"	#	Color	A.M. Time	Hor. Ang.	Remarks	
		37	R	954	221 00	12'	
		8	Y-W	955	227 25	6'	
		9	R-W	956	213 40	12'	
		40	R-Y	957	209 00	6'	
				1000		Wind:-S60°E, 8 Mi,-Waves:-N.65°E, 3 to 4'.	
		41	W	1010	218 33	12'	
		2	R	1011	223 30	6'	
		3	R-W	1011	231 00	6'	
		4	Y	1012	237 10	12'	
		5	Y-W	1013	227 05	6'	
		6	R	1015	205 55	12'	
		7	R-Y	1016	193 15	6'	
		8	R-W	1017	196 40	12'	
				1030		Wind:-S35°E, 6' Mi,-Waves:-N70°E, 4' high.	
		49	W	1031	206 40	12'	
		50	R	1032	222 00	6'	
		1	R-W	1032	229 33	6'	
		2	Y	1033	238 33	12'	
		3	Y-W	1034	230 00	6'	
		4	R	1035	188 07	12'	

L.B. 619 P.G. 48 12-23-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted H.N.B. Profile
Survey of Beach Erosion Date ____ Date Feb. 36 No. ____
Survey by Butler Notes Alewick Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

Form 307 5M 10-34

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	
Inst. At.	Sight on.	#	Color	Time	Hor. ∡			
"C"	"B"	55	R-W	1036	17948	12'		
		6	R-Y	1037	17547	6'		
		57	W	1052	19720	12'		
		8	R	1053	22028	6'		
		9	Y	1054	23520	12'		
		60	R-W	1055	22640	6'		
		1	Y-W	1056	22610	6'		
		2	R	1057	16903	12'		
		3	R-W	1058	15935	12'		
		4	R-Y	1059	15650	6'		
				11 00		Wind:- South, 10 Mi,- Waves:- N. 70° E., 3 to 4' high		
		65	W	1112	18315	12'		
		6	R	1113	22040	6'		
		7	Y	1115	23450	12'		
		8	Y-W	1115	22810	6'		
		9	R-W	1116	22240	6'		
		70	R	1118	15453	12'		
		1	R-W	1118	14750	12'		

Profile No. ____ Notes Red. ____ Platted HNB Date Feb. '36 Job No. 8109 Division No. ____ L. B. 1019 PG. 149

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked [illegible] Date ____ Survey of Beach Erosion Survey by Butler Date 12-23-35 Notes [illegible] Date ____ Map No. B-1152 Indexed A. C. Johnson Date ____

Form 307 5M 10-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line

L.B. 619 P.G. 150 | 12-23-36 | Job No. 8119 Division No. ____ Notes Red ____ Plotted N.B. Profile
Survey of Beach Erosion Date ____ Date Feb. '36 No.
Survey by Butler Notes G. Hellwig Notes Chkd. ____ Checked ____ X-Sec.
Indexed A. C. Johnson Date ____ Date ____ Date ____ No.

STATION		B.S.	H.I.	F.S	ELEV.			
			Meas.		Ht.			
#	Color Time		Depth	Bottom	Tide	Adj. Depth	Remarks	
Inst. At	Same	No	Color	Time	Hor. ∠			
C	"B"	72	R-Y	1119	14750			
				1130		Wind: S85°W, 10 Mi.; - Waves:- N. 75° W. 3 to 3½'.		
		73	Y	1144	224 15	12'	float picked up.	
		74	R-W	1145	216 10			
		75	R	1146	224 10			
		76	Y-W	1147	222 00	6'	All floats picked up	
		77	W	1149	17 c 35	12'		
		78	R	1150	225 05	12'		
		79	R-Y	1151	236 25	6'	500' ± distant	
		80	R-W	1152	230 10	12'	700' ± "	
				1200		Wind:- S80°W, 10 Mi.- Waves:- N75°W., 3 to 4'.		
"D"	"C"	81	W	1221	257 40	Set out 12' float		
		82	R	1223	256 03	" " 6'	"	
		83	Y	1223½	247 32	" " 12'		
		84	R-W	1224	241 02	" " 6'	"	
		85	R	1226	227 04	" " 12'	"	
		86	Y-W	1227	227 10	" " 6'	"	
		87	R-W	1227½	216 08	" " 12'	"	
		88	R-Y	1229	216 08	" " 6'	"	

On end of Santa Monica Pier

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION		B. S.	H. I.	F. S	ELEV.		
~~#~~	~~Color~~	~~Time~~	~~Meas. Depth~~	~~P.M. Bottom~~	~~Ht. Tide~~	~~Adj. Depth~~	Remarks
Inst. At. "D"	Sight On "C"	No	Color	Time	Hor. ∡		
				1230		Wind:- West, 12 Mi;-Waves:- N70°E 3 to 4'	
		89	W	1241	233 05	12'	
		90	R	1241	229 50	6'	
		1	Y	1242	220 35	12'	
		2	R-W	1243	214 48	6'	
		3	R	1243	210 52	12'	
		4	Y-W	1244	204 27	6'	
		5	R-W	1245	202 05	12'	
		6	R-Y	1246	197 25	6'	
				100		Wind:- West, 10 Mi; Waves:- N70°E.. 3 to 4'	
		97	W	102	210 30	12'	
		8	R	102	201 15	6'	
		9	Y	103	198 12	12'	
		100	R-W	104	187 55	6'	
		1	R	105	192 07	12'	
		2	Y-W	106	180 55	6'	
		3	R-Y	106	183 08	6'	
		4	R-W	107	186 22	12'	

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 8109 Division No. ____ L. B. 619 Pg. 151
Date ____ Date Feb. 36 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked [illegible] Survey by Butler Notes [illegible] Date 12-23-35
Date ____ Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

PLEASE RETURN TO
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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	
Inst. At "D"	Sight On "C"	No	Color	Time	Hor. ∡		
		105	W	118	197 30	12'	
		6	R	119	183 40	6'	
		7	Y	120	184 35	12'	
		8	R-W	120	174 23	6'	
		9	R	121	151 33	12'	
		110	Y-W	122	168 27	6'	
		1	R-Y	123	174 40	6'	
		2	R-W	124	176 33	12'	
				130		Wind: N75°W, 10 Mi; Waves: N75°E, 3' high	
		113	W	141	184 45	12'	
		4	R	142	167 05	6'	
		5	Y	142	170 52	12'	
		6	R-W	143	163 42	6'	
		7	R	144	170 20	12'	
		8	Y-W	145	162 55	6'	
		9	R-Y	146	169 07	6'	
		120	R-W	147	168 40	12'	
		121	W	158	178 28	12'	

L.B. 619 P.G. 152 Job. No. 8109 Division No. Notes Red Plotted H.N.B. Profile
Survey of Beach Erosion Date Feb. '36 No.
Survey by Butler Notes Explained Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

Form 307 5M 10-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S Time	ELEV.. Hor. Ang.	Remarks
"D"	"C"	12.2	Y	200	1-33-15	12' Wind-N80°W, 10 Mi-Waves-N70°E, 3 to 4'
		3	R	200	10 7 45	6'
		4	R-W	2-01	15 1 10	6'
		5	C	2-02	33 2 12	12'
		6	Y-W	2-03	124 53	6'
		7	C-W	2-04	6 4 00	12'
		8	R-Y	2-05	165 28	6'
		12.9	W	2-17	175 15	12'
		13.0	Y	2-19	6 1 23	12'
		1	R	2-19	155 27	6'
		2	C-W	2-20	15 2 30	6'
		3	R	2-21	15 7 42	12'
		4	Y-W	2-22	150 25	6'
		5	C-W	2-23	160 45	12'
		6	R-Y	2-24	162 25	6'
				2-30		Wind-N80°W, 8 Mi-Waves-N70°E, 3 to 4'
		13.7	W	2-33	172 57	12' float picked up.
		8	R	2-34	152 10	6' " " "
		9	Y	2-35	151 40	12' " " "

Profile
No. ____ Notes Red ____ Platted H.N.B.
X-Sec. Date ____ Date Feb 36 Job No. ____ Division No. ____ L. B. ____ Pg. ____
No. ____ Notes Chkd. ____ Checked ____ Survey of ____
Date ____ Date ____ Survey by ____ Notes ____ Date ____
Map No. R-W 21 Indexed ____ C. Johnson Date ____

Form 307 5M 10-34

PLEASE RETURN TO
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700 HALL OF RECORDS

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STATION Inst. At "D"	Sight On "C"	B. S. #	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.	Remarks
		140	Y-W	237	146 22	6' float picked up.
		1	R	238	153 18	12' " " " "
		2	R-W	238	148 30	6' " " "
		3	R-W	239	158 03	12' " " "
		4	R-Y	240	160 08	6' " " "
		145	W	245	251 45	12' float set out.
		6	R	246	250 35	6' " " "
		7	Y	247	239 23	12' " " "
		8	R-W	248	237 55	6' " " "
		9	R	249	228 30	12' " " "
		150	Y-W	251	226 30	6' " " "
		1	R-W	252	216 55	12' " " "
		2	R-Y	254	215 43	6' " " "
				300		Wind: N80°W, 8 Mi; Waves: N70°E, 3 to 4'.
		153	W	305	225 45	12'
		4	R	307	221 06	6'
		5	Y	307	217 23	12'
		6	R-W	308	211 46	6'
		7	R	309	213 17	12'

L.B. 64 P.G. 154 Job. No. 8109 Division No. 12-23-35 Notes Red Date Plotted H.N.B. Date Feb '36 Profile No.

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

Survey by J.E. Butler Notes J. Alewick Notes Chkd. Date

Indexed A. C. Johnson Date

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S P.M. Time	ELEV. Hor. Ang.	Remarks
"D"	"C"	158	Y-W	310	208 30	6'
		9	R-Y	311	202 03	6'
		160	R-W	312	200 45	12'
		161	W	325	207 05	12'
		2	R	327	207 20	6'
		3	Y	328	20[illegible] 35	12'
		4	R-W	329	197 02	6'
		5	R	330	20[illegible]	12' [illegible] N 80° W, 10' [illegible] N 70° E, 3[illegible] 4'
		6	R-W	331	19[illegible] 25	12'
		7	Y-W	332	196 30	6'
		8	R-Y	333	193 10	6'
		169	W	345	195 30	12'
		170	R	346	195 [illegible]	6'
		1	Y	347	190 55	12'
		2	R-W	348	190 30	12'
		3	R	349	190 45	12'
		4	R-W	350	19[illegible] 3	6'
		5	Y-W	351	188 05	6'

Profile No. ____ Notes Red. ____ Platted H.N.B. Job No. 8169 Division No. ____ L. B. 619 PG. 155
X-Sec. No. ____ Date ____ Date Feb. '36 Survey of [illegible] Survey by [illegible] Notes [illegible] Date 12-23-35
Notes Chkd. ____ Checked [illegible] Date ____ Map No. B-1152 Indexed C. Johnson Date ____

Form 307 5M 10-34

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700 HALL OF RECORDS

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STATION	B.S.	[illegible]	F.S.	ELEV.	
Sight On	#	Color	Time	Hor. Ang.	Remarks
[illegible]	[illegible]	R-Y	3 53	[illegible]	
			4 00		Wind: N80°W, [illegible] Waves: N 10°E, 3' to 4'
	[illegible]	W	4 00	[illegible]	[illegible]
		R	[illegible]	[illegible]	[illegible]
		Y	[illegible]	[illegible]	[illegible]
		R-W	[illegible]	[illegible]	[illegible]
		[illegible]	4 04	[illegible]	[illegible]
		R-Y	4 05	[illegible]	[illegible]
		[illegible]	4 05	[illegible]	[illegible]
		R-Y	4	[illegible]	[illegible]

Finish.

F.B. 619

L.B. 619 P.G. 156 | 12-23-35 Job. No. 8109 Division No. ____ Notes Red ____ Plotted H.N.B. Profile
Survey of Pendleton & Dixon Date ____ Date Feb
Survey by Butler Notes Kleinecke Notes Chkd. ____ Checked
Indexed A. C. Johnson Date ____ Date ____ Date ____