Notes Ck'd by	Survey of
Map No.	W. O. Tape No. Std. °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed E. C. Johnson 11-5-53

F. B. 004 PG. 3

BOOK 2

BEACH EROSION STUDIES

~ SOUNDINGS ~

JN8412

SEPTEMBER ~ 1953 ~ OCTOBER

Station 268+65S to Station 72+50S

For onshore X Sections
see A City FB 23934-51
to
23932-39

Party
Blanchard
Shoemaker
Uharriet
Kuammen
Goodwin
Schonfeldt
Oben
McGrath
McKnight

for Book 1 see FB 1885
for Book 3 see FB 1887

Microfilmed Feb '87

1886

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. _____ PG. _____

F. B. _____ PG. _____

Map No. _____ W. O. _____ Tape No. _____ St'd. _____ °F
Office Work _____ Surveyed by _____
Checked _____ Notes _____ Date _____
Date _____ Indexed _____

Tide Case

STANDARD TIME SEPT 23 1953

HOUR	TIDE
0:00	3.9
6:30	4.8
7:00	5.4
7:30	5.9
8:00	6.3
8:30	6.4
9:00	6.4
9:30	6.1
10:00	5.7
10:30	5.2
11:00	4.4
11:30	3.6
12:00	2.9
12:30	2.1
1:00	1.4

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B._____ PG._____

TIDE GAGE

STAINDARD TIME SEPT 24 1953

HOUR	TIDE
6:00	3.4
6:30	4.2
7:00	4.9
7:30	5.7
8:00	6.2
8:30	6.7
9:00	6.8
9:30	6.8
10:00	6.7
10:30	6.2
11:00	5.7
11:30	5.1
12:00	4.1
12:30	

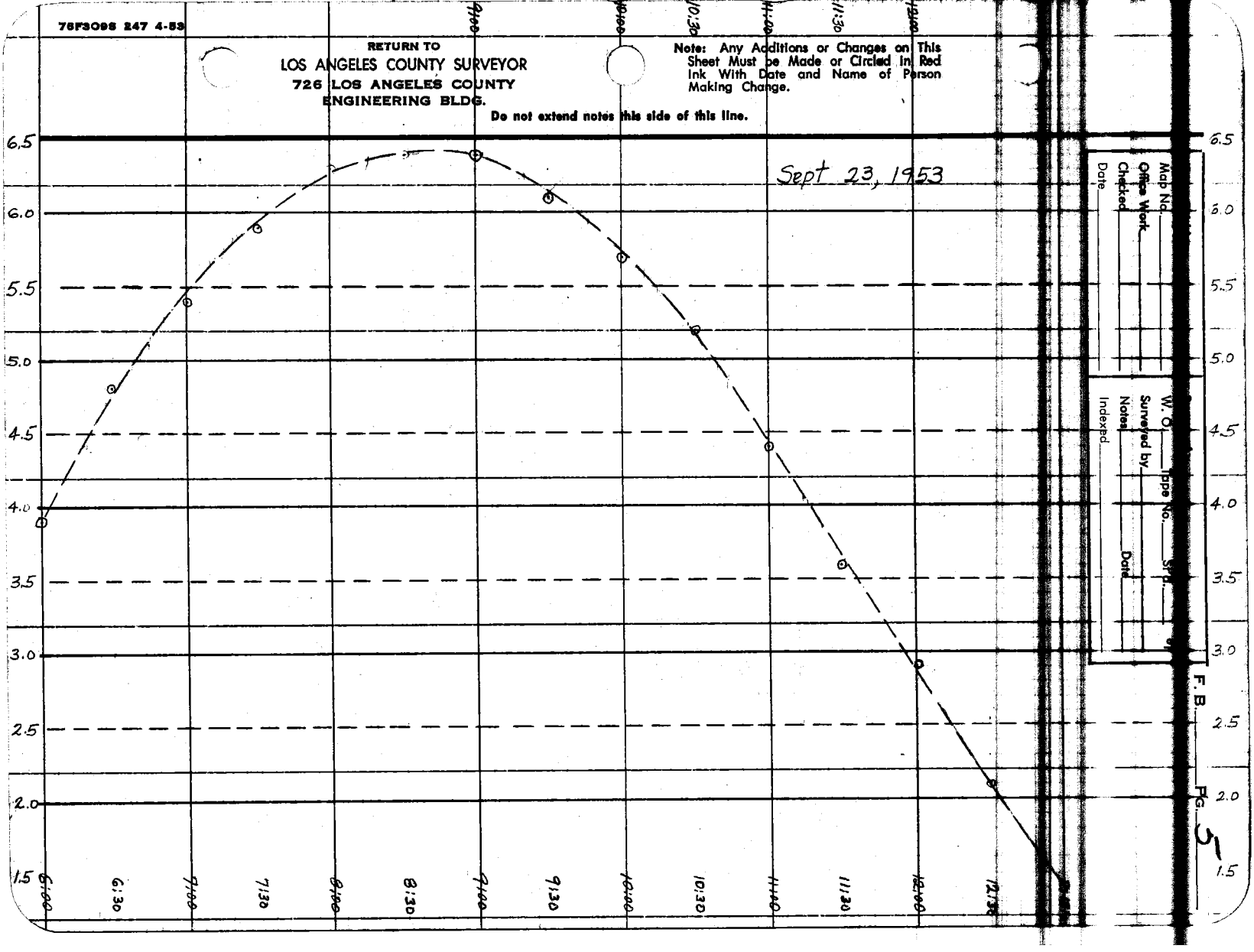
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

76F3098 247 4-53

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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



Map No.
Office Work
Checked
Date

W. O.
Tape No.
Surveyed by
Notes
Date
Indexed

F. B.
Pg. 5

F. B. _____ PG. 6

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	268+65-S
Inst. Sight At	On	#	# Color	Time Hor. Ang.		Remarks
268+65	S-14	1	B & W	6:17	95°06	This line [illegible]
		2	R		94 56	East of Ed Sor
		3	Y		95°06	Pier
		4	B & W	6:21	95°06	
		5	R		95°06	
		6	Y		95°06	
		7	B & W	6:23	95°06	
		8	R		95°06	
		9	Y		95°06	
		10	B & W	6:27	95°06	
		11	R		95°06	
		12	Y		95°06	
		13	B & W	6:30	95°06	
		14	R		95°06	
		15	Y		95°06	
		16	B & W	6:33	94 43	
		17	R		95°06	
		18	Y		95°06	
		19	B & W	6:36	95°06	CITY OF L.A. F.B. 23934-52
		20	R		95°06	

RANGE 268+65 S

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date Date Map No. Ed Johnson Date
F. B. 1886 Pg. 7

76L298 307 4-50

2

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	26[illegible]
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
268+65	S-14	21	Y		9[illegible]6		
		22	B & W	6:39	95[illegible]6		
		23	R		94[illegible]6		
		24	Y		[illegible]6		
		25	B & W	6:42	[illegible]		
		26	R		[illegible]		
		27	Y		9[illegible]		
		28	B & W	6:45	[illegible]		
		29	R		[illegible]		
		30	Y		9[illegible]6		
		31	B & W	6:47	9[illegible]6		
		32	R		9[illegible]7		
		33	Y		9[illegible]6		
		34	B & W	6:50	9[illegible]		
		35	R		9[illegible]6		
		36	Y		9[illegible]6		
		37	B & W	6:[illegible]	[illegible]6		

RANGE 268+65S

F. B. 1886 Pg. 8 Job No. [illegible] Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by [illegible] Notes [illegible] Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

CUT IN 268+65

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At	On	# Color	Time	Hor. Ang.	Remarks
272+65	S 13 1	B&W	6 17	68° 43	
	2	R		67° 24	
	3	Y		66° 37	
	4	B&W	6 21	66° 10	
	5	R		65° 49	
	6	Y		65° 09	
	7	B&W	6 23	64° 59	
	8	R		64° 20	
	9	Y		63° 25	
	10	B&W	6 27	62° 16	
	11	R		60° 57	
	12	Y		59° 20	
	13	B&W	6 30	57° 39	
	14	R		56° 23	
	15	Y		54° 17	
	16	B&W	6 33	52° 51	
	17	R		50° 26	
	18	Y		49° 21	
	19	B&W	6 36	46° 57	
	20	R		43° 17	

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 9

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

CUT IN 268+65

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Cut In 268+65

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
272+65	5/3	21	Y		40° 55		
		22	B&W	6 39	35° 49		
		23	R		31° 32		
		24	Y		36° 31		
		25	B&W	6 42	28° 02		
		26	R		23° 1		
		27	Y		18° 51		
		28	B&W	6 45	25° 57		
		29	R		25° 9		
		30	Y		24° 2		
		31	B&W	6 48	22° 2		
		32	R		19° 4		
		33	Y		15° 2		
		34	B&W	6 50	14° 5		
		35	R		10° 9		
		36	Y		15° 8		
		37	B&W	6 53	12° 7		

F. B. 1886 Pg. 10
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by EHB Notes Notes Chkd. Checked X-Sec.
Indexed R. C. Johnson Date Sept 23/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION 268+65

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	BEW	6:17	34.5, 39.2, 28.9	39.3	4.4	34.9	1343 at edge of Edison pier pilings
2	R		27.0, 28.2	27.6	4.5	23.1	1222
3	Y		27, 28.5	27.7	4.5	23.2	1160
4	BEW	6:21	27.0, 28.4	27.5	4.5	23.0	1142
5	R		26.8, 28.2	27.3	4.5	22.8	1122
6	Y		27.1 ?	27.5 ?	4.6	22.9 ?	1080
7	BEW	6:23	26.1, 26.5, 28.3	26.8	4.6	22.2	1070
8	R		26.8 ?, 26.9	27.3 ?	4.6	22.7 ?	1033
9	Y		25.7, 26.7	26.1	4.6	21.5	983
10	BEW	6:27	24.6, 25.2	25.3	4.7	20.6	922
11	R		24.5, 24.6	24.7	4.7	20.0	870
12	Y		24.1, 23.3	24.3	4.7	19.6	802
13	BEW	6:30	22.7, 24.5	22.9	4.8	18.1	743
14	R		23.6 ?, 23.6	23.9 ?	4.8	19.1	702
15	Y		22.3, 22.8	22.7	4.8	17.9	643
16	BEW	6:33	21.3, 22.4	21.8	4.8	17.0	601
17	R		21.1, 21.9	21.5	4.9	16.6	550
18	Y		20.8, 21.0	21.2	4.9	16.3	527
19	BEW	6:36	20.0, 20.7	20.3	4.9	15.4	480
20	R		19.7	20.0	4.9	15.1	419

Built 2/8/65

Profile No. ____ Date ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 8412 Division No. ____ Map No. ____ Survey of ____ Date ____

F. B. 1886 PG. 11

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

268+65

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		21.3 19.7?	20.2	5.0	15.2	380
22	B&W	6:39	19.1 18.2	18.5	5.0	13.5	312
23	R		18.3 16.5	17.1	5.0	12.1	261
24	Y		19.2 17.7	18.2	5.0	13.2	319
25	B&W	6:42	17.3 16.2	16.6	5.0	11.6	280
26	R		16.8 15.6	16.0	5.1	10.9	186
27	Y		13.8 11.8	12.5	5.1	7.4	142
28	B&W	6:45	16.8 15.5	15.9	5.1	10.8	204
29	R		16.7 15.2	15.8	5.2	10.6	200
30	Y		15.8 15.0	15.3	5.2	10.1	193
31	B&W	6:48	16.0 14.5	15.0	5.2	9.8	170
32	R		13.4 12.2	12.6	5.2	7.4	146
33	Y		12.1 11.0	11.4	5.3	6.1	118
34	B&W	6:51	13.1 11.5?	12.0?	5.3	6.7 ?	100
35	R		9.2 7.8	8.3	5.3	3.0	72
36	Y		12.9 10.8	11.5	5.3	6.2	114
37	B&W	6:54	11.2 8.8	9.6	5.3	4.3	90

Boat 268+65 5

F. B. 1886 PG. 12 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes CEM 9/23/53 Notes Chkd. Checked
Indexed R. C. Johnson Date Date 1-14-54 Date No.

76L298 307 4-50

3

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	264+65 S
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
264+65 S	13 1	B & W	7:11	90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B & W	7:16	90°00		
	5	R		90°00		
	6	Y		90°00		
	7	B & W	7:18	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	7:21	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	7:26	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	7:27	90°00		
	17	R		90°00		
	18	Y		90°00	CITY OF L.A. F.B. # 23934-52	
	19	B & W	7:30	90°00		
	20	R			over for West side of Pier - Same	

RANGE 264+65 S

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1886 Pg. 13

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

Survey of ____

Johnson

76L298 307 4-50

4

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	264+65-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
264+65	S-13	20	B & W	8:17			
		21	R				
		22	Y		9 0		
		23	B & W	8:23	9 0		
		24	R		9 0		
		25	Y		9		
		26	B & W	8:26	9 0		
		27	R				
		28	Y		9		
		29	B & W	8:30	9 0		
		30	R		9 0		
		31	Y		9 0		
		32	B & W	8:33	9 0		
		33	R		9 0		
		34	Y		9 0		
		35	B & W	8:36	9 0		
		36	R		9 0		
		37	Y		9 0		
		38	B & W	8:40	9 0		
		39	R		9 0		

RANGE 264+65'S

F. B. 1886 PG. 14
Job No. 84-2 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by E.H.B. Notes TM Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 307 4-50

5

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	264+65-S

Inst. At	Sight On	#	#	Color	Time	Hor. Ang.	Remarks
264+65	S-	13	40	Y		90°00	
			41	B & W	8:44	90°00	
			42	R		90°00	

Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 8412 Survey of ____ Division No. ____ Map No. ____ Indexed Johnson Date ____

F. B. 1886 Pg. 15

6

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	262+65-S

Inst. Sight At	Inst. Sight On	#	Color	Time	Hor. Ang.	Remarks
262+65	S-13	1	B & W	9:07	90°00	
		2	R		90°00	
		3	Y		90°00	
		4	B & W	9:13	90°00	
		5	R		90°00	
		6	Y		90°00	
		7	B & W	9:22	90°00	
		8	R		90°00	
		9	Y		90°00	
		10	B & W	9:27	90°00	
		11	R		90°00	
		12	Y		90°00	
		13	B & W	9:30	90°00	
		14	R		90°00	
		15	Y		90°00	
		16	B & W	9:33	90°00	
		17	R		90°00	
		18	Y		90°00	
		19	B & W	9:35	90°00	
		20	R		90°00	

RANGE 262+65-S

F. S. 1886 Pg. 16 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by FHB Notes TM Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MA[illegible]NGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
272+65 5/3	1	B+W	7 12	34° 50		
	2	R		33° 33		
	3	Y		33° 01		
	4	B+W	7 16	31° 01		
	5	R		28° 42		
	6	Y		25° 36		
	7	B+W	7 19	22° 55		
	8	R		18° 53		
	9	Y		16° 54		
	10	B+W	7 21	13° 13		
	11	R		15° 04		
	12	Y		16° 04		
	13	B+W	7 25	15° 06		
	14	R		14° 09		
	15	Y		13° 27		
	16	B+W	7 27	12° 05		
	17	R		10° 13		
	18	Y		9° 00		
	19	B+W	7 30	6° 27		

Cut in 264+65

Profile Notes Red ____ Plotted ____ Job No. 2410 Division No. ____

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

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

F.B. 1886 PG. 17

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY

[redacted]ING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	Cut IN 264+65
S-12	S13	20	B+W	8 18	71° 47		
		21	R		70° 47		
		22	Y		69° 20		
		23	B+W	8 23	67° 04		
		24	R		63° 55		
		25	Y		62° 25		
		26	B+W	8 27	61° 01		
		27	R		59° 53		
		28	Y		58° 10		
		29	B+W	8 30	56° 52		
		30	R		55° 53		
		31	Y		54° 16		
		32	B+W	8 33	52° 59		
		33	R		51° 15		
		34	Y		49° 15		
		35	B+W	8 36	47° 47		
		36	R		44° 12		
		37	Y		41° 56		
		38	B+W	8 40	39° 18		
		39	R		36° 19		

Cut IN 264+65-3

F.B. 1886 PG. 18

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

Survey of Beach Erosion Studies Date Date X-Sec.

Survey by FWB Notes Notes Chkd. Checked No.

Indexed C. Johnson Date Sept 23/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		CUTIN 264+65
Inst. At	Sight On	# Color	Time	Hor. Ang.		Remarks
S 12	S 13 40	Y		34° 49		
	41	BDW	8 45	32° 50		
	42	R		31° 43		

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 19

No. ____ Date ____ Date ____ Survey of ____

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

CUTIN 264+65

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		CUT IN 262+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-12	S-13	1	B&W	9 07	75° 41		
		2	R		74° 19		
		3	Y		72° 41		
		4	B&W	9 13	70° 30		
		5	R		68° 09		
		6	Y		65° 45		
		7	B&W	9 22	64° 14		
		8	R		63° 18		
		9	Y		61° 44		
		10	B&W	9 27	60° 12		
		11	R		58° 29		
		12	Y		57° 39		
		13	B&W	9 30	56° 21		
		14	R		53° 17		
		15	Y		50° 34		
		16	B&W	9 33	47° 19		
		17	R		44° 38		
		18	Y		41° 41		
		19	B&W	9 35	39° 41		
		20	R		37° 43		

Cut In 262+65

F. B. 1886 Pg. 20
Job No. B412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by E.H.B. Notes JS Notes Chkd. Checked X-Sec.
Indexed R. C. Johnson Date Sept 23/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	264+65 S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1 B&W	7:12	25.3 24.5	24.8	5.7	19.1	600 Edge of Edison Piling
2 R		20.2 19.6	19.8	5.7	14.1	570
3 Y		19.3 18.5	18.8	5.7	13.1	558
4 B&W	7:16	19.4 18.5	18.8	5.7	13.1	512
5 R		19.2 17.7	18.2	5.7	12.5	466
6 Y		18.1 17.2	17.5	5.8	11.7	403
7 B&W	7:18	17.8 16.3	16.8	5.8	11.0	355
8 R		16.2 15.3	15.6	5.8	9.8	286
9 Y		15.7 14.8	15.1	5.8	9.3	252
10 B&W	7:21	13.9 11.8	12.5	5.8	6.7	195
11 R		14.8 14.0	14.3	5.8	8.5	222
12 Y		14.9 13.7	14.1	5.9	8.2	236
13 B&W	7:25	14.8 13.0	13.6	5.9	7.7	222
14 R		13.6 12.9	13.1	5.9	7.2	208
15 Y		13.2 12.6	12.8	5.9	6.9	198
16 B&W	7:27	12.1 11.0	11.4	5.9	5.5	177
17 R		10.5 10.0	10.2	5.9	4.3	149
18 Y		10.5 8.5	9.2	5.9	3.3	130
19 B&W	7:30	7.1 6.0	6.4	5.9	0.5	80

6' shore on seaward side

Profile No. Date
Notes Red No. Date
Date Date
Plotted Date
Job No. 8412 Division No.
Survey of
Map No. Date
F. B. 1886 PG. 21

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. 264+65S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
20	BEW	8:17	56.2 55.0	55.4	6.4	49.0	3342
21	R		54.0 52.9	53.3	6.4	46.9	3155
22	Y		49.9 49.0	49.3	6.4	42.9	2916
23	BEW	8:23	47.0 45.8	46.2	6.4	39.8	2599
24	R		41.5 40.5	40.8	6.4	34.4	2245
25	Y		39.4 37.7	38.3	6.4	31.9	2105
26	BEW	8:27	37.3 35.8	36.3	6.4	29.9	1986
27	R		36.0 34.3	34.9	6.4	28.5	1896
28	Y		35.9 34.5	35.0	6.4	28.6	1772 Off end of breakwater
29	BEW	8:30	35.7 34.1	34.6	6.4	28.2	1685
30	R		35.1 33.8	34.2	6.4	27.8	1624
31	Y		34.0 33.1	33.4	6.4	27.0	1529
32	BEW	8:33	33.6 32.8	33.1	6.4	26.7	1459
33	R		33.2 32.0	32.4	6.4	26.0	1371
34	Y		32.1 30.9	31.3	6.4	24.9	1291
35	BEW	8:36	31.5 30.6	30.9	6.4	24.5	1212
36	R		29.8 29.0	29.3	6.4	22.9	1088
37	Y		29.4 28.6	28.9	6.4	22.5	988
38	BEW	8:40	27.3 26.6	26.8	6.4	20.4	900
39	R		25.9 25.0	25.3	6.4	18.9	808

Boat 264+65S

Profile
Plotted No.
Date
X-Sec.
Checked No.
Date
Notes Red.
Date
Notes Chkd.
Date 1-14-53
Division No. 8412
Job No. 8412
Notes CEM 9/23/53
Date
Survey of
Survey by C. Johnson
Indexed
F.B. 1886 PG. 22

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			264 + 65 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
40	Y		24.4 23.6	23.9	6.4	17.5	765	
41	B & W	8:45	25.0 23.8	24.2	6.4	17.8	710	
42	R		22.8 22.2	22.4	6.4	16.0	680	

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 73

No. ____ Date ____ Date ____ Survey of ____

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

Boul 264 + 65 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			262+65S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	9:07	56.4 55.7	55.9	6.4	49.5	3526	
2	R		53.6 52.5	52.9	6.3	46.6	3206	
3	Y		50.0 48.3	48.9	6.3	42.6	2886	
4	B&W	9:13	45.8 44.3	44.8	6.3	38.5	2542	
5	R		40.6 39.5	39.9	6.3	33.6	2244	
6	Y		35.7 33.8	34.4	6.3	28.1	1998	
7	B&W	9:22	31.8 30.2	30.7	6.2	24.5	1865	
8	R		18.0 16.0	16.7	6.2	10.5	1789 on rocks outside of breakwater	
9	Y		29.0 28.0	28.3	6.2	22.1	1674 on inside of breakwater	
10	B&W	9:27	32.0 31.8	31.9	6.2	25.7	1571	
11	R		33.5 33.0	33.2	6.2	27.0	1497	
12	Y		32.2 31.8	31.9	6.2	25.7	1421	
13	B&W	9:30	31.9 31.0	31.3	6.1	25.2	1335	
14	R		29.8 28.8	29.1	6.1	23.0	1207	
15	Y		28.2 27.5	27.7	6.1	21.6	1094	
16	B&W	9:33	26.5 25.9	26.1	6.1	20.0	976	
17	R		25.3 24.7	24.9	6.1	18.8	889	
18	Y		22.7 21.8	22.1	6.1	16.0	801	
19	B&W	9:36	21.3 20.9	21.0	6.1	14.9	746	
20	R		20.1 19.3	19.6	6.1	13.5	696	

Boat 262+65S

F. B. 1886 Pg. 24 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes CEM 9/23/53 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date 1-14-53 Date No.

76L298 307 4-50

7

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 262+65-S
Inst. Sight At	On	# Color	Time	Hor. Ang.	Remarks
262+65	S-13 21	Y		90°00	
	22	B & W	9:39	90°00	
	23	R		90°00	
	24	Y		90°00	
	25	B & W	9:42	90°00	
	26	R		90°00	
	27	Y		90°00	
	28	B & W	9:44	90°00	
	29	R		90°00	
	30	Y		90°00	
	31	B & W	9:45	90°00	

City of L.A. F.B. # 23934
No Survey on This Section

RANGE 262+65-S

Profile Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. ____ Division No. ____ Survey of ____

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

F. B. 1886 PG. 25

8 76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 26 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile
Survey of BEACH EROSION STUDY | Date | Date | No.
Survey by F H B | Notes T M | Notes Chkd. | Checked | X-Sec.
Indexed L. C. Johnson | Date | Date | Date | No.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE 258+40-S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
258+40	S-13	1	B & W	10:08	9[illegible] 0	
		2	R		9[illegible] 0	
		3	Y		9[illegible] 0	
		4	B & W	10:12	[illegible] 0	
		5	R		9[illegible] 0	
		6	Y		9[illegible] 0	
		7	B & W	10:16	9[illegible] 0	
		8	R		9[illegible] 0	
		9	Y		9[illegible] 0	
		10	B & W	10:21	9[illegible] 0	
		11	R		9[illegible] 0	
		12	Y		8[illegible] 48	
		13	B & W	10:24	9[illegible] 0	
		14	R		9[illegible] 0	
		15	Y		9[illegible] 0	
		16	B & W	10:26	9[illegible] 0	
		17	R		9[illegible] 0	
		18	Y		9[illegible] 0	
		19	B & W	10:28	9[illegible] 0	
		20	R		9[illegible] 0	

Range 258+40S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 8412 Division No. ____ Survey of ____ Map No. ____ Date ____ Checked Johnson Date ____ F.B. 1886 Pg. 27

Cut in 202+65 S

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	# Color	Time	Hor. Ang.	Remarks
P-12	S13 21	Y		41° 44	
	22	B/W	9 40	36° 05	
	23	R		33° 39	
	24	Y		30° 54	
	25	B/W	9 42	29° 19	
	26	R		27° 25	
	27	Y		26° 45	
	28	B/W	9 44	25° 50	
	29	R		25° 15	
	30	Y		24° 46	
	31	B/W	9 45	23° 28	

Cut in 202+65 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	Cut in 258+40
S-12	S-13	1	B&W	10 08	81° 28		
		2	R		80° 31		
		3	Y		79° 38		
		4	B&W	10 12	78° 38		
		5	R		77° 22		
		6	Y		76° 15		
		7	B&W	10 16	75° 26		
		8	R		75° 45		
		9	Y		74° 52		
		10	B&W	10 21	74° 27		
		11	R		73° 49		
		12	Y		73° 21		
		13	B&W	10 23	72° 50		
		14	R		72° 54		
		15	Y		73° 11		
		16	B&W	10 26	73° 20		
		17	R		72° 09		
		18	Y		71° 34		
		19	B&W	10 29	71° 15		
		20	R		70° 44		

Cut in 258+40S

F.B. 1886 Pg. 28
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Bezel Erosion Studies Date Date No.
Survey by EHB Notes JS Notes Chkd. Checked X-Sec.
Indexed R. C. Johnson Date Sept 23/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

262 + 65 S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
21	Y		23.3 22.4	22.7	6.0	16.7	803
22	B&W	9:40	19.2 18.7	18.9	6.0	12.9	656
23	R		18.8 18.2	18.4	6.0	12.4	599
24	Y		17.7 17.5	17.6	6.0	11.6	539
25	B&W	9:42	16.6 15.9	16.1	6.0	10.1	506
26	R		14.5 14.0	14.2	6.0	8.2	467
27	Y		14.4 13.0	13.5	6.0	7.5	454
28	B&W	9:44	13.6 13.1	13.3	6.0	7.3	436
29	R		13.7 12.8	13.1	6.0	7.1	424
30	Y		13.0 11.5	12.0	5.9	6.1	415
31	B&W	9:46	13.2 12.8	12.9	5.9	7.0	390 on edge of Edison pier

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date 1-14-53 Date Map No. Indexed Date
F. B. 1886 PG. 29

Bent 262 + 65 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.			258 + 40S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	10:08	52.1 51.5	51.7	5.6	46.1	3166
2	R		48.0 46.9	47.3	5.6	41.7	2843
3	Y		45.0 43.9	44.3	5.5	38.8	2596
4	B&W	10:12	41.2 39.9	40.3	5.5	34.8	2363
5	R		36.0 34.3	34.9	5.5	29.4	2119
6	Y		31.8 30.0	30.6	5.5	25.1	1941
7	B&W	10:16	28.0 25.8	26.5	5.4	21.1	1828
8	R		28.7 27.0	27.6	5.4	22.2	1871
9	Y		20.8 19.4	19.9	5.4	14.5	1757 on rocks seaward side breakwater
10	B&W	10:21	16.8 15.7	16.1	5.4	10.7	1707 inside of breakwater 1707
11	R		18.2 17.8	17.9	5.3	12.6	1637
12	Y		17.9 17.6	17.7	5.3	12.4	1610
13	B&W	10:24	14.7 14.1	14.3	5.3	9.0	1538
14	R		14.8 14.3	14.5	5.3	9.2	1544
15	Y		15.3 14.6	14.8	5.3	9.5	1572
16	B&W	10:26	16.3 15.8	16.0	5.3	10.7	1587
17	R		18.3 17.8	18.0	5.2	12.8	1475
18	Y		19.7 19.5	19.6	5.2	14.4	1425
19	B&W	10:29	20.8 20.6	20.7	5.2	15.5	1399
20	R		20.9 20.7	20.8	5.2	15.6	1359

Boat 258+40S

F. B. 1886 Pg. 30 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes CEM 9/23/53 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date 1-19-53 Date No.

76L298 307 4-50

9

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	258+40-S
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
258+40	S-13 21	Y		90°00		
	22	B & W	10:30	90°00		
	23	R		90°00		
	24	Y		90°00		
	25	B & W	10:33	90°00		
	26	R		90°00		
	27	Y		90°00		
	28	B & W	10:35	90°00		
	29	R		90°00		
	30	Y		90°00		
	31	B & W	10:37	90°00		
	32	R		90°00		
	33	Y		90°00		
	34	B & W	10:40	90°00		
	35	R		90°00		
	36	Y		90°00		
	37	B & W	10:42	90°00		

CITY OF L.A. F.B. #2393H-53
(STA 258+65 Sq.)

RANGE 258+40-S

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
Notes Chkd. Checked Survey by
No. Date Date Map No. Indexed Date
Johnson

F. B. 1886 PG. 31

F. B. 1886 PG. 32 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH ERASION STUDY Date Date No.
Survey by FHB Notes TM Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

10

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	254+65-S.
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
254+65	S-13	1	B & W	11:08	90°00		
		2	R		90°00		
		3	Y		89°10		
		4	B & W	11:12	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	11:17	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	11:22	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	11:31	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	11:34	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B & W	11:36	90°00		
		20	R		90°00		

RANGE 254+65 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At	On	# Color	Time Hor. Ang.		Remarks
S-12	S 13 21	Y		70° 01	
	22	B+W	10 30	69° 02	
	23	R		67° 59	
	24	Y		66° 48	
	25	B+W	10 34	65° 31	
	26	R		64° 50	
	27	Y		63° 21	
	28	B+W	10 35	61° 44	
	29	R		59° 57	
	30	Y		57 50	
	31	B+W	10 38	56° 11	
	32	R		53° 36	
	33	Y		51° 17	
	34	B+W	10 40	48° 35	
	35	R		46° 06	
	36	Y		43° 27	
	37	B+W	10 42	44° 53	

CUT IN 25 8+ 40 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. 8412 F. B. 1886 Pg. 33

No. ____ Date ____ Date ____ Date ____ Survey of ____ Map No. ____ Ed. Johnson Date ____

No. ____ Date ____ Date ____ Date ____

CUT IN 25 8+ 40 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	CUT IN	254+65
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
258+40 S-12	1	B/W	11 08	83° 28		
	2	R		82° 49		
	3	Y		82° 45		
	4	B/W	11 12	80° 52		
	5	R		79° 45		
	6	Y				
	7	B/W	11			
	8	R				
	9	Y				
	10	B/W	11 23	77° 06		
	11	R		76° 32		
	12	Y		75° 01		
	13	B/W	11 31	74° 51		
	14	R		74° 06		
	15	Y		73° 30		
	16	B/W	11 34	73° 02		
	17	R		72° 26		
	18	Y		71° 56		
	19	B/W	11 36	70° 57		
	20	R		70° 04		

CUT IN 254+65S

Profile
Plotted No.
Date
Checked X-Sec.
Date No.

Job No. 8412 Division No.
Notes Red.
Date
Notes Chkd.
Date

Survey of Beach Erosion Studies
Survey by EHB Notes 15
Indexed C. Johnson Date Sept 23/53

1886 34

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

258 + 40S

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		21.8 21.4	21.5	5.2	16.3	1306
22	B&W	10:31	21.6 21.5	21.5	5.2	16.3	1240
23	R		21.4 20.8	21.0	5.2	15.8	1175
24	Y		21.0 20.6	20.7	5.1	15.6	1108
25	B&W	10:34	20.1 19.7	19.8	5.1	14.7	1043
26	R		18.8 18.6	18.7	5.1	13.6	1011
27	Y		18.4 17.5	17.8	5.0	12.8	947
28	B&W	10:36	16.3 16.0	16.1	5.0	11.1	884
29	R		15.5 15.1	15.2	5.0	10.2	821
30	Y		15.0 14.5	14.7	5.0	9.7	755
31	B&W	10:38	14.5 14.0	14.2	5.0	9.2	709
32	R		14.0 13.2	13.5	5.0	8.5	644
33	Y		13.2 12.6	12.8	4.9	7.9	592
34	B&W	10:40	11.8 11.0	11.3	4.9	6.4	539
35	R		11.0 10.2	10.5	4.9	5.6	494
36	Y		8.8 8.0	8.3	4.9	3.4	450
37	B&W	10:42	10.0 9.1	9.4	4.9	4.5	473

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date 1-14-54 Date Map No. Indexed Job Date
F. B. 1886 PG. 35

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

254 + 65S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	11:08	54.0 52.8	53.2	4.2	49.0	3274	
2	R		49.0 48.0	48.3	4.2	44.1	2975	
3	Y		44.5 43.8	43.8	4.2	39.6	2643	
4	B&W	11:12	41.2 40.3	40.6	4.1	36.5	2332	
5	R		34.8 33.0	33.6	4.1	29.5	2074	
6	Y		29.8 28.5	28.9	4.0	24.9		
7	B&W	11:17	27.2 25.8	26.3	4.0	22.3		
8	R		25.4 23.6	24.2	3.9	20.3		
9	Y		23.9 22.5	23.0	3.9	19.1		
10	B&W	11:22	21.8 21.3	21.5	3.8	17.7	1637	
11	R		19.6 18.4	18.8	3.8	15.0	1566	seaward side of breakwater
12	Y		5.1 4.9	5.0	3.7	1.3	1401	in side " " "
13	B&W	11:32	6.5 6.3	6.4	3.6	2.8	1385	
14	R		7.8 7.5	7.6	3.6	4.0	1317	
15	Y		9.1 8.7	8.8	3.6	5.2	1266	
16	B&W	11:35	9.7 9.0	9.2	3.5	5.7	1229	
17	R		10.2 9.9	10.0	3.5	6.5	1185	
18	Y		10.9 10.8	10.8	3.5	7.3	1150	
19	B&W	11:37	10.8 10.6	10.7	3.5	7.2	1086	
20	R		10.0 9.8	9.9	3.5	6.4	1034	

BOAD 54+65S

F. B. 1886 Pg. 36 Job No. Division No. 8412 Notes Red. Plotted Profile
Survey of Date Date No.
Survey by C. Johnson Notes CEM 9/23/53 Notes Chkd. KK Checked X-Sec.
Indexed Date Date 1-14-54 Date No.

76L298 307 4-50

11

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	254+65-S
Inst. At	Sight On	#	# Color	Time	Hor. Ang.	Remarks
254+65	S-13	21	Y		90°00	
		22	B & W	11:39	90°00	
		23	R		90°00	
		24	Y		90°00	
		25	B & W	11:41	90°00	

CITY OF L.A. F.B. #23934-54

RANGE 254+65-S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1886 PG. 37

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

F. B. 1886 PG. 38

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

Survey of BEACH EROSION STUDY Date ___ Date ___ No. ___

Survey by EHB Notes SRO Notes Chkd. ___ Checked ___ X-Sec.

Indexed A. C. Johnson Date ___ Date ___ Date ___ No. ___

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

RANGE 253+105

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR.
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Cut in 254 [illegible]

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	# Color	Time	Hor. Ang.	Remarks	
258+40	S 12 21	Y		68°57		
	22	B&W	11 39	66°52		
	23	R		65°16		
	24	Y		64°06		
	25	B&W	11 41	62°48		

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 39

No. ____ Date ____ Date ____ Map No. ____ Checked Johnson Date ____

Cut in 254162

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Cut-in	253+10-S
Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks	
245+00 S-12	1	B & W	5:57	7[illegible]55		
	2	R		7[illegible]15		
	3	Y		[illegible]32		
	4	B & W	6:02	7[illegible]36		
	5	R		6[illegible]56		
	6	Y		6[illegible]34		
	7	B & W	6:06	6[illegible]21		
	8	R		6[illegible]6		
	9	Y		6[illegible]53		
	10	B & W	6:09	6[illegible]5		
	11	R		6[illegible]50		
	* 12	Y		6[illegible]33		
	13	B & W	6:12	6[illegible]6		
	14	R		6[illegible]6		
	15	Y		6[illegible]6		
	16	B & W	6:15	6[illegible]12	1510	
	* 17	R		6[illegible]		
	18	Y		6[illegible]6		
	19	B & W	6:18	5[illegible]6		
	* 20	R		5[illegible]9		

CUT IN 253+10S

F. B. 1886 PG. 40 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Sept. 24, 53 Date No. X-Sec.
Survey by EAB Notes TM Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

254+65 S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
21	Y		9.0 8.7	8.8	3.5	5.3	974
22	B&W	11:39	8.3 8.0	8.1	3.4	4.7	878
23	R		8.0 7.4	7.6	3.4	4.2	814
24	Y		7.3 6.8	7.0	3.4	3.6	772
25	B&W	11:42	6.6 6.5	6.5	3.4	3.1	730

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1886 Pg. 41

Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____

No. ____ Date 1-14-54 Date ____ Map No. ____ Indexed Johnson Date ____

Out 254+65 S

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		253+105
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	5:58	51.0 49.0	49.7 ~~50.0~~	3.4	46.3 ~~46.6~~	3228
2	R		47.1 45.9	46.3	3.4	42.9	2971
3	Y		44.9 43.1	44.1	3.4	40.7	2740
4	B&W	6:02	40.2 38.8	39.3	3.4	35.9	2435
5	R		38.4 37.0	37.5	3.5	34.0	2218
6	Y		34.1 32.8	33.2	3.5	29.7	1962 next to Edison bubble
7	B&W	6:06	[illegible]	26.9	3.5	23.4	1765
8	R		[illegible]	31.5	3.6	27.9	1933
9	Y		[illegible]	28.3	3.6	24.7	1810
10	B&W	6:10	27.7 26.2	26.7	3.7	23.0	1744
11	R		26.7 [illegible]	26.2	3.7	22.5	1724
12	Y		25.1 [illegible]	24.2	3.7	20.5	1678
13	B&W	6:13	[illegible]	23.0	3.7	19.3	1631
14	R		22.7 21.4	21.8	3.7	18.1	1597
15	Y		21.4 20.0	20.6	3.8	16.8	1552
16	B&W	6:16	20.5 [illegible]	19.4	3.8	15.6	1504
17	R		19.0 18.0	18.3	3.8	14.5	1461
18	Y		18.8 17.3	18.1	3.8	14.3	1428
19	B&W	6:18	18.2 16.5	17.1	3.8	13.3	1390
20	R		17.3 16.2	16.6	3.9	12.7	1353

Boat 253+105

F.B. 1886 PG 42 Job No. 8412 Division No. Notes Red. Plotted Date No. Profile
Survey of Beach Erosion Study Date Notes Chkd. KK Checked Date No. X-Sec.
Survey by C. Johnson Notes CEM 9/24/53 Date 1-14-54
Indexed Date

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	253+10-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
253+10	[illegible]2	21	Y		90°00		
		22	B&W	6:21	90°00		
		23	R		90°08		
		24	Y		90°00		
		25	B&W	6:24	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B&W	6:27	90°0[illegible]		
		29	R		90°00		
		30	Y		90°00		
		31	B&W	6:31	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B&W	6:35	90°00		
		35	R		90°00		
		36	Y		90°14		
		37	B&W	6:39	90°00		

CITY OF L.A. F.B. # 23934-55

RANGE 253+10S

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. ____ PG. 43

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

No. ____ Date ____ Date ____ Map No. ____ Checked Johnson Date ____

F.B. 726 Pg. 44 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDY Date _____ Date _____ No. _____

Survey by EHB Notes JCG 9/25/53 Notes Chkd. _____ Checked _____ X-Sec.

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

Is date correct?

RANGE 250+00S

STATION	B.S.	H.I.	F.S.	ELEV.		Remarks
Inst. Sight At OR 250+00 S-12	#	Color	Time	Hor. Ang.	RANGE	250+00-S
		B&W	5:57	90°00'		
		R		90°00'		
		Y		90°00'		
		B&W	6:03	90°00'		
		R		90°00'		
		Y		90°00'		
		B&W	6:07	90°00'		
		R		90°00'		
		Y		90°00'		
		B&W	6:11	90°00'		
		R		90°00'		
		Y		90°00'		
		B&W	6:14	90°00'		
		R		90°00'		
		Y		90°00'		
		B&W	6:16	90°00'		
		R		90°00'		
		Y		90°00'		
		B&W	6:20	90°00'		
		R		90°00'		

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

76L298 307 10-51

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Range 250+00 S

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
250+00 S-12	21	Y		90° 00'	
	22	B&W	6:23	90° 00'	
	23	R		90° 10'	
	24	Y		90° 00'	
	25	B&W	6:25	90° 00'	
	26	R		90° 00'	
	27	Y		90° 00'	
	28	B&W	6:27	90° 00'	
	29	R		90° 00'	
	30	Y		90° 00'	
	31	B&W	6:30	90° 10'	
	32	R		90° 00'	
	33	Y		90° 00'	
	34	B&W	6:33	90° 00'	
	35	R		90° 00'	
	36	Y		90° 08'	
	37	B&W	6:36	90° 00'	
	38	R		90° 00'	
	39	Y		90° 05'	CITY OF L.A. F.B. # 23934-56
	40	B&W	6:39	90° 12'	

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 45

No. ____ Date ____ Date ____ Survey of ____

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

Range 250+00 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Range	250+00 S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
250+00	S-12	41	R		90° 00'		
		42	Y		90° 00'		
		43	B&W	6:41	90° 00'		
		44	R		90° 00'		
		45	Y		90° 00'		
		46	B&W	6:44	90° 00'		
		47	R		90° 00'		
		48	Y		90° 00'		
		49	B&W	6:46	90° 00'		
		50	R		90° 00'		
		51	Y		89° 53'		
		52	B&W	6:48	90° 00'		
		53	R		90° 00'		
		54	Y		90° 00'		
		55	B&W	6:51	89° 58'		
		56	R		89° 56'		
		57	Y		90° 00'		
		58	B&W	6:53	90° 00'		
		59	R		90° 00'		
		60	Y		90° 00'		

BANGE 250+00S

F. B. 1886 Pg. 46 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by E.H.B. Notes J.C.G. Notes Chkd. Checked
Indexed E. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	250+00S
Inst. Sight At On		# Color	Time	Hor. Ang.	Remarks	
250+00 S-12	61	B&W	6:55	90° 00'		
	62	R		90° 00'		
	63	Y		90° 00'		
	64	B&W	6:58	90° 18'		
	65	R		89° 43'		
	66	Y		90° 00'		
	67	B&W	7:00	90° 00'		
	68	R		90° 00'		
	69	Y		90° 00'		
	70	B&W	7:05	90° 17'		
	71	R		90° 00'		

Range 250+00S

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of [illegible]
Notes Chkd. Checked Survey by [illegible]
No. Date Date Map No. [illegible] Date

F. B. 1886 PG. 47

F. B. 1886 Pg. 48 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by F.H.B. Notes J.C.G. Notes Chkd. _____ Checked _____ X-Sec.

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

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Cut-in	253+10
245+00 S-12	21	Y		58°22		
	22	B & W	6:21	57°52		
	*23	R		61°46	*	
	24	Y		60°40	*	
	25	B & W	6:24	59°11	*	
	26	R		58°36	*	
	27	Y		57°25		
	*28	B & W	6:27	56°41		
	29	R		55°48		
	30	Y		56°00	*	
	31	B & W	6:30	55°37		
	32	R		54°13		
	33	Y		53°16		
	34	B & W	6:34	52°05		
	35	R		51°28		
	*36	Y		49°59		
	37	B & W	6:39	47 52		

Cut in 253+10 S

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1886 Pg. 49

No. ____ Date ____ Date ____ Survey of ____

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

76L298 307 4-50

235+00

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	CUT IN 250+00
240+00	S-12	1	B&W	5:57	[illegible]		
		2	R		[illegible]		
		3	Y		[illegible]		
		4	B&W	6:04	[illegible]		
		5	R		[illegible]		
		6	Y		[illegible]		
		7	B&W	6:07	[illegible]		
		8	R		[illegible]		
		9	Y		[illegible]		
		10	B&W	6:11	[illegible]		
		11	R		[illegible]		
		12	Y		[illegible]		
		13	B&W	6:14	[illegible]		
		14	R		[illegible]		
		15	Y		[illegible]		
		16	B&W	6:17	[illegible]		
		17	R		[illegible]		
		18	Y		[illegible]		
		19	B&W	6:20	[illegible]		
		20	R		[illegible]	*	

CUT IN 250+00S

F. B. 1886 PG. 50 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of [illegible] Notes T.M. 9/28/53 Date Date No. X-Sec.
Survey by FHD Notes Chkd. Checked
Indexed [illegible] Date Date No.

76L298 307 10-51

2

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

cutin 250+00

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
240+00	S-12	21	Y		58°50	
		22	B&W	6:24	60°27	*
		*23	R		59°26	*
		24	Y		57°55	
		25	B&W	6:25	57°46	
		26	R		57°38	
		27	Y		57°19	
		28	B&W	6:27	56°52	
		29	R		56°19	
		30	Y		56°38	
		31	B&W	6:31	56°46	
		32	R		55°37	
		33	Y		55°26	
		34	B&W	6:34	55°05	
		35	R		54°44	
		*36	Y		54°10	
		37	B&W	6:36	53°47	
		38	R		53°32	
		*39	Y		53°35	
		*40	B&W	6:39	52°48	

Profile Notes Red ____ Plotted ____ Job No. C712 Division No. ____ F.B. 11896 Pg. 51

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

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

F.B. ~~1486~~ Pg. 52 Job No. 8412 Division No. ______ Notes Red. ______ Plotted ______ Profile No. ______
Survey of BEACH EROSION STUDY Date ______ Date ______
Survey by FHB Notes TM Notes Chkd. ______ Checked ______ X-Sec.
Indexed A. C. Johnson Date ______ Date ______ Date ______ No. ______

76L298 307 10-51

3

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B.S. #	H.I. Color	F.S. Time	ELEV. Hor. Ang.	Cut-in	250+00 S Remarks
240+00	S-42	41	R		5 35		
		42	Y		5 50		
		43	B & W	6:41	5 [illegible]		
		44	R		5 44		
		45	Y		[illegible]		
		[illegible]	B & W	6:44	[illegible]		
		[illegible]	[illegible]		[illegible]		
		48	Y		[illegible] 5		
		49	B & W	[illegible]	4 35	*	
		50	R		5 [illegible]	*	
		* 51	Y		4 13	*	
		52	B & W	6:49	[illegible]	*	
		53	R		[illegible]		
		54	Y		[illegible]		
		* [illegible]	B & W	6:51	[illegible] 8		
		* 56	R		4 [illegible]		
		57	Y		[illegible]		
		[illegible]	B & W	6:5[illegible]	[illegible]		
		[illegible]	[illegible]		[illegible]		
		[illegible]	Y		4 1		

Cut In 250+00 S

76L298 307 10-51

4

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Cut-in	250+00-S.

Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
24+00	5-12	61	B & W	6:55	42°41		
		62	R		41°40		
		63	Y		41 34		
		* 64	B & W	6:58	41°08		
		* 65	R		40°51		
		66	Y		41°04	*	
		67	B & W	7:00	40°24		
		68	R		39°52		
		69	Y		39°50		
		* 70	B & W	7:05	40°51	*	
		71	R		39°40		

CUT IN 250+00

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. ____ Pg. 53

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

F.B. 1886 Pg. 54 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.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

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

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

253+10S

STATION	B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		17.1 16.2	16.5	3.9	12.6	1315
22	B&W	6:21	16.0 14.0	14.7	3.9	10.8	1290
23	R		20.1 18.6	19.1	3.9	15.2	1494
24	Y		19.5 17.4	18.1	4.0	14.1	1442
25	B&W	6:24	17.2 16.0	16.4	4.0	12.4	1358
26	R		17.0 15.6	16.1	4.0	12.1	1327
27	Y		16.2 15.1	15.5	4.0	11.5	1268
28	B&W	6:27	15.7 14.0	14.6	4.1	10.5	1226
29	R		14.6 12.9	13.5	4.1	9.4	1192
30	Y		15.0 13.4	13.9	4.1	9.8	1201
31	B&W	6:31	14.7 13.8	14.1	4.2	9.9	1183
32	R		14.0 12.5	13.0	4.2	8.8	1123
33	Y		13.0 11.6	12.1	4.2	7.9	1085
34	B&W	6:34	12.0 10.8	11.2	4.2	7.0	1040
35	R		11.9 10.0	10.6	4.3	6.3	1017
36	Y		11.4 10.0	10.5	4.3	6.2	957
37	B&W	6:39	10.6 8.8	9.4	4.4	5.0	895

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

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ____ Map No. ____ Indexed ____ Date ____

F.B. 1886 PG. 55

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

50'

STATION		B. S.	H. I.	F. S.	ELEV.			250+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	5:56	56.0 55.0	55.3	2.9	52.4	3710	3710
2	R		55.1 54.0	54.4	2.9	51.5	3573	3573
3	Y		52.1 50.0	50.7	2.9	47.8	3305	3305
4	B&W	6:03	49.6 48.0	48.5	2.9	45.6	3201	3201
5	R		48.7 46.5	47.2	2.9	44.3	3084	3084
6	Y		46.9 45.0	45.6	2.9	42.7	2971	2971
7	B&W	6:07	44.9 43.0	43.6	2.9	40.7	2808	2808
8	R		42.1 40.8	41.2	2.9	38.3	2631	2631
9	Y		40.4 38.9	39.4	2.9	36.5	2450	2450
10	B&W	6:10	38.4 37.5	37.8	2.9	34.9	2291	2291
11	R		36.9 34.9	35.6	2.9	32.7	2082	2082
12	Y		34.2 32.0	32.7	2.9	29.8	1935	1935
13	B&W	6:13	31.1 28.9	29.6	2.9	26.7	1794	1794
14	R		30.2 29.0	29.4	2.9	26.5	1769	1769
15	Y		30.3 28.2	28.9	2.9	26.0	1751	1751
16	B&W	6:16	29.1 28.0	28.4	2.9	25.5	1725	1725
17	R		30.0 28.4	28.9	2.9	26.0	1729	1729
18	Y		28.1 27.1	27.4	2.9	24.5	1674	1674
19	B&W	6:19	27.8 27.0	27.3	2.9	24.4	1648	1648
20	R		28.0 26.0	26.7	2.9	23.7	1668	1668

Boat 250+00S

F.B. 1886 Pg. 56 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by Notes CEM 9/28/53 Notes Chkd. Checked
Indexed K. C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			250+00
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		27.1 26.0	26.4	3.0	23.4	1653	1653
22	B&W	6:22	30.3 29.3	29.6	3.0	26.6	1764	1764
23	R		28.1 27.1	27.4	3.0	24.4	1690	
24	Y		26.2 25.0	25.4	3.0	22.4	1595	1595
25	B&W	6:25	25.5 25.0	25.2	3.0	22.2	1586	1586
26	R		26.0 24.0	24.7	3.0	21.7	1578	1578
27	Y		24.8 23.3	23.8	3.0	20.8	1559	1559
28	B&W	6:27	25.0 23.0	23.7	3.0	20.7	1532	1532
29	R		24.1 22.0	22.7	3.0	19.7	1500	1500
30	Y		25.0 22.8	23.5	3.0	20.5	1518	1518
31	B&W	6:30	24.2 22.9	23.3	3.0	20.3	1526	1526
32	R		22.4 21.3	21.7	3.0	18.7	1461	1461
33	Y		22.1 20.7	21.2	3.0	18.2	1451	1451
34	B&W	6:33	22.6 20.5	21.0	3.0	18.0	1433	1433
35	R		21.2 20.0	20.4	3.0	17.4	1414	1414
36	Y		20.7 19.3	19.8	3.0	16.8	1378	
37	B&W	6:35	20.9 18.9	19.6	3.0	16.6	1365	1365
38	R		20.8 18.4	19.2	3.0	16.2	1331	1331
39	Y		20.0 18.5	19.0	3.0	16.0	1349	
40	B&W	6:39	19.0 17.7	18.1	3.0	15.1	1310	

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1886 Pg. 57
No. Date Date Survey of
No. Date Date Map No. Date

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

250+00S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks	
41	R		19.0 17.7	18.1	3.0	15.1	1299	1299
42	Y		18.8 16.9	17.5	3.0	14.5	1272	1272
43	B&W	6:41	18.0 16.7	17.1	3.0	14.1	1239	1239
44	R		17.7 15.8	16.4	3.0	13.4	1223	1223
45	Y		16.7 15.2	15.7	3.0	12.7	1213	1213
46	B&W	6:43	17.9 15.0	16.0	3.0	13.0	1198	1198
47	R		17.0 15.0	15.7	3.0	12.7	1163	1163
48	Y		15.2 13.0	13.7	3.0	10.7	1127	1127
49	B&W	6:45	16.1 15.0	15.4	3.0	12.4	1188	1188
50	R		17.1 15.0 ?	15.7	3.0	12.7	1199	1199
51	Y		16.9 15.0	15.6	3.0	12.6	1185	
52	B&W	6:48	16.2 14.9	15.3	3.0	12.3	1158	1158
53	R		16.5 14.5	15.2	3.0	12.2	1144	1144
54	Y		14.7 13.6	14.0	3.0	11.0	1108	1108
55	B&W	6:50	14.7 13.0	13.6	3.0	10.6	1087	
56	R		14.2 12.5	13.1	3.0	10.1	1047	
57	Y		13.8 12.0	12.6	3.0	9.6	1020	1020
58	B&W	6:52	13.5 11.2	12.0	3.0	9.0	1000	1000
59	R		13.2 11.0	11.7	3.0	8.7	974	974
60	Y		12.1 11.0	11.4	3.1	8.3	950	950

Boat 250+00S

F. B. 1886 Pg. 58 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by Notes CEM 9/28/53 Notes Chkd. Checked
Indexed C. Johnson Date Date 1-14-58 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		250+00 S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
61 BEW	6:54	12.4 10.5	11.1	3.1	8.0	922	922
62 R		11.0 9.2				890	890 Void
63 Y		11.0 9.9	10.3	3.1	7.2	887	887
64 BEW	6:57	10.8 9.0	9.6	3.1	6.5	866	
65 R		11.0 10.0	10.3	3.1	7.2	867	
66 Y		11.0 9.0	9.7	3.1	6.6	871	871
67 BEW	7:00	10.1 8.9	9.3	3.1	6.2	851	851
68 R		10.8 9.0	9.6	3.1	6.5	835	835
69 Y		11.0 9.0	9.7	3.1	6.6	834	834
70 BEW	7:05	11.0 9.5	10.0	3.1	6.9	862	
71 R		10.5 8.5	9.2	3.1	6.1	829	829

Profile No. Date
Notes Red No. Date
Plotted Date
Job No. 8412 Division No.
Survey of
Map No. Date
F. B. 1886 Pg. 59

F. B. 1886 Pg. 60 | Job No. | Division No. | Notes Red. | Plotted | Profile

Survey of | Date | Date | No.

Survey K. O. Johnson | Notes | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 4-56

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 245 + 00
Inst. Sight At	On	# # Color	Time	Hor. Ang.	Remarks
245+00	S-12 1	B&W	7:32	90° 05'	
	2	R		90° 00'	
	3	Y		90° 00'	
	4	B&W	7:36	90° 00'	
	5	R		90° 00'	
	6	Y		90° 07'	
	7	B&W	7:39	90° 00'	
	8	R		90° 00'	
	9	Y		90° 00'	
	10	B&W	7:42	90° 00'	
	11	R		90° 00'	
	12	Y		90° 00'	
	13	B&W	7:45	90° 00'	
	14	R		90° 00'	
	15	Y		90° 00'	
	16	B&W	7:48	90° 00'	
	17	R		90° 00'	
	18	Y		90° 00'	
	19	B&W	7:50	90° 00'	CITY OF L.A. F.B. # 23934-57
	20	R		90° 00'	

RANGE 245+00

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 2412 Division No. ____

Date ____ Date ____ Survey of ____

Notes Chief ____ Chief ____ Map No. ____ Indexed S. Johnson Date ____

F. B. 1886 Pg. 61

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RANGE 245+00

STATION		B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At	Sight On	#	Color	Time	Hor. Ang.	
245+00	S-12	21	Y		90° 00'	
		22	B & W	7:52	90° 00'	
		23	R		90° 00'	
		24	Y		90° 00'	
		25	B & W	7:54	90° 00'	
		26	R		90° 00'	
		27	Y		90° 00'	
		28	B & W	7:56	90° 00'	
		29	R		90° 00'	
		30	Y		90° 00'	
		31	B & W	7:59	90° 00'	
		32	R		90° 00'	
		33	Y		90° 00'	
		34	B & W	8:01	90° 00'	
		35	R		90° 00'	
		36	Y		90° 00'	
		37	B & W	8:04	90° 00'	
		38	R		90° 00	
		39	Y		90° 00'	
		40	B & W	8:06	90° 00	

RANGE 245+00 S

F. B. 1886 Pg. 62 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by EHB Notes Shoemaker Notes Chkd. Checked
Indexed [illegible] Date 9-28-53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RANGE 245+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
245+00	S-12	41	R		90° 00'		
		42	Y		90° 00'		
		43	B & W	8:09	90° 00'		
		44	R		90° 00'		
		45	Y		90° 00'		
		46	B & W	8:11	90° 00'		

RANGE 245+00

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

No. ____ Date ____ Date ____ Survey of ____

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

F. B. 1886 Pg. 83

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

F. B. 1886 Pg. 64

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

Date ____ Date ____ Date ____ No. ____

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

Date ____ Date ____ Date ____ No. ____

Survey of ____

Survey by A. C. Johnson

Indexed ____

76L298 307 10-51

5

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut-in	245+00 - S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
235+00	S-12	* 1	B & W	7:32	74°25		
		2	R		73°57		
		3	Y		72°48		
		4	B & W	7:36	71°42		
		5	R		70°33		
		* 6	Y		69°00		
		7	B & W	7:40	67°21		
		8	R		65°42		
		9	Y		64°17		
		10	B & W	7:43	62°05		
		11	R		59°37		
		12	Y		57°45		
		13	B & W	7:45	56°48		
		14	R		56°15		
		15	Y		54°44		
		16	B & W	7:48	54°05		
		17	R		53°31		
		18	Y		52°45		
		19	B & W	7:50	51°55		
		20	R		51°11		

Cut in 2/6/00 S

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. [illegible] Pg. 65

No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of ____ Map No. ____ Indexed A. G. Johnson Date ____

F.B. 1886 PG. 66

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

Survey of BEACH EROSION STUDY Date ______ Date ______

Survey by FHB Notes TM Notes Chkd. ______ Checked ______ X-Sec. No. ______

Indexed A. C. Johnson Date ______ Date ______ Date ______

76L298 307 10-51

6

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B.S.	H.I.	F.S.	ELEV.	Cut-in
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
235+[illegible]	9-12	[illegible]	Y		[illegible]	
		[illegible]	B & W	[illegible]	[illegible]	
		23	R		[illegible]	
		[illegible]	Y			
		[illegible]	B & W	7:[illegible]	[illegible]	
		26	R		[illegible]	
		[illegible]	Y		[illegible]	
		28	B & W	7:57	[illegible]	
Cut in 245+00 S		29	R		[illegible] 5	
		30	Y		[illegible] 3	
		31	B & W	7:51	[illegible]	
		32	R		[illegible]	
		33	Y		[illegible]	
		34	B & W	8:01	[illegible]	
		35	R		4[illegible]	
		36	Y		[illegible]	
		37	B & W	8:05	[illegible]	
		38	R		4[illegible]	
		39	Y		[illegible]	
		40	B & W	8:06	4[illegible]	

76L298 307 10-51

7

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut-in	245+00-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
235+00	S-12	41	R		39°32		
		42	Y		38°07		
		43	B+W	8:09	37°07		
		44	R		35°56		
		45	Y		35°06		
		46	B+W	8:11	35°45		

Cut in 245+00 S

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 180 PG. 67

No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Survey of ____ Map No. ____ Indexed Johnson Date ____

No. ____ Date ____ Date ____ Survey by ____

F.B. 1886 PG. 68 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDY | Date | Date | No.

Survey by F.H.B. | Notes TM | Notes Chkd. | Checked | X-Sec.

Indexed R. C. Johnson | Date | Date | Date | No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

245 +00 $

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
1	BEW	7:31	54.0 52.7	53.1	3.3	49.8	3604		(3586)
2	R		53.0 52.0	52.3	3.3	49.0	3476	3476	
3	Y		50.0 48.0	48.7	3.3	45.4	3230	3230	
4	BEW	7:35	47.3 46.1	46.5	3.3	43.2	3024	3024	
5	R		45.1 44.0	44.4	3.3	41.1	2832	2832	
6	Y		41.5 40.9	41.1	3.3	37.8	2616		(2605)
7	BEW	7:39	39.6 38.8	39.1	3.3	35.8	2396	2396	
8	R		38.0 36.9	37.3	3.3	34.0	2215	2215	
9	Y		36.0 34.0	34.7	3.3	31.4	2076	2076	
10	BEW	7:42	33.8 32.8	33.1	3.3	29.8	1887	1887	
11	R		31.3 29.8	30.3	3.3	27.0	1706	1706	
12	Y		29.9 28.0	28.6	3.3	25.3	1585	1585	
13	BEW	7:45	29.0 27.0	27.7	3.3	24.4	1528	1528	
14	R		28.1 27.0	27.4	3.4	24.0	1497	1497	
15	Y		26.7 25.8	26.1	3.4	22.7	1414	1414	
16	BEW	7:47	26.4 25.4	25.7	3.4	22.3	1381	1381	
17	R		26.7 24.9	25.5	3.4	22.1	1352	1352	
18	Y		25.7 23.9	24.5	3.4	21.1	1315	1315	
19	BEW	7:49	25.0 23.0	23.7	3.4	20.3	1276	1276	
20	R		23.0 22.0	22.3	3.4	18.9	1243	1243	

Bar 12 45 rec 5

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1886 Pg. 69

No. Date Date Date Date Map No. 1 Survey of Sta. 1 Date

Notes Checked by R. Johnson

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 70 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile No.
Survey of Beach Erosion Study | Notes CEM 9/28/53 | Date | Date | X-Sec. No.
Survey by E. C. Johnson | Notes | Chkd. | Checked
Indexed | Date | Date | Date

245+00 S

STATION #	Color	Time	B. S.	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth		Remarks
21	Y			23.0 / 22.0	22.3	3.4	18.9	1224	1224
22	BEW	7:51		22.0 / 21.1	21.4	3.4	18.0	1179	1179
23	R			21.2 / 19.8	20.3	3.4	16.9	1151	1151
24	Y			20.7 / 19.7	20.0	3.4	16.6	1117	1117
25	BEW	7:54		19.0 / 17.5 ?	18.0?	3.4	14.6 ?	1115	1115
26	R			21.5 / 19.5	20.2	3.4	16.8	1130	1130
27	Y			21.0 / 19.0	19.7	3.4	16.3	1127	1127
28	BEW	7:56		21.0 / 18.9	19.6	3.4	16.2	1131	1131
29	R			21.0 / 19.3	19.9	3.4	16.5	1114	1114
30	Y			19.0 / 17.7	18.1	3.4	14.7	1074	1074
31	BEW	7:58		18.7 / 17.5	17.9	3.4	14.5	1062	1062
32	R			18.1 / 16.7	17.2	3.4	13.8	1018	1018
33	Y			18.0 / 15.0	16.0	3.5	12.5	994	994
34	BEW	8:00		17.3 / 15.1	15.8	3.5	12.3	978	978
35	R		245+00 S	16.5 / 16.0	16.2	3.5	12.7	981	981
36	Y			16.5 / 14.2	15.0	3.5	11.5	947	947
37	BEW	8:04		16.4 / 14.6	15.2	3.5	11.7	961	961
38	R			15.0 / 14.0	14.3	3.5	10.8	918	918
39	Y			14.8 / 13.2	13.7	3.5	10.2	896	896
40	BEW	8:06		14.1 / 11.9	12.6	3.5	9.1	848	848

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1886 PG. 71

No. Date Date Survey of

No. Date Date Map No. Added Johnson Date

Boat 24 Jy 00 S

STATION		B. S.	H. I.	F. S.	ELEV.			245+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R		13.2 11.5	12.1	3.5	8.6	825	825
42	Y		12.2 11.0	11.4	3.5	7.9	785	785
43	B&W	8:08	11.7 10.5	10.9	3.5	7.4	757	757
44	R		11.0 9.0	9.7	3.5	6.2	725	725
45	Y		10.1 9.0	9.4	3.5	5.9	703	703
46	B&W	8:10	11.0 9.3	9.9	3.5	6.4	720	720

F. B. 1886 Pg. 72 | Job No. | Division No. | Notes Red. | Plotted | Profile

Survey of | Date | Date | No.

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

Indexed K. C. Johnson | Date | Date | Date | No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 4-50

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range	240+00-
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
[illegible]	1	[illegible]	8:09	90°00		
	2	R		90°00		
	3	Y		89°44'		
	4	B&W	8:12	90°00		
	5	R		90°00		
	6	Y		90°00		
	7	B&W	8:15	90°00		
	8	R		89°49'		
	9	Y		90°00		
	10	B&W	8:20	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B&W	8:22	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B&W	8:24	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B&W	[illegible]	90°02	CITY OF L.A. F.B. # 23934-58	
	20	R		89°43		

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 73

No. ____ Date ____ Date ____ Survey of ____

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

F. B. 1873 PG. 74 Job No. 242 Division No. ______ Notes Red. ______ Plotted ______ Profile

Survey of BEACH EROSION STUDY Date ______ Date ______ No. ______

Survey by FHB Notes JRS Notes Chkd. ______ Checked ______ X-Sec.

Indexed E. C. Johnson Date ______ Date ______ Date ______ No. ______

STATION Inst. At / Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Angle	Remarks
	21	BLK	833	90	RANGE 240+00 S

RANGE 240+00 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

5

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut-in	[illegible]
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
[illegible]	5-12	1	B & W	8:09	58°22		
		2	R		57°14		
		* 3	Y		56°29		
		4	B & W	8:12	55°35		
		5	R		54°45		
		6	Y		53°31		
		7	B & W	8:15	52°18		
		* 8	R		50°36		
		9	Y		52°15		
		10	B & W	8:19	50°20		
			R		49°06		
		12	Y		48°08		
		13	B & W	8:21	46°41		
		14	R		44°40		
		15	Y		46°01		
		16	B & W	8:24	44°28		
		17	R		42°53		
		18	Y		40°51		
		* 19	B & W	8:26	40 02		
		* 20	R		37°37		

Cut in 240+00 S

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1886 PG. 75

No. ____ Date ____ Date ____ Survey of ____

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

A. G. Johnson

76L298 307 4-50

6

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	[illegible]	240+00 -S Remarks
S-11	S-12	21	Y		[illegible]		
		22	B & W	S: 29	3[illegible]		
		23	R		3[illegible]		
		* 24	Y		3[illegible]		
		25	B & W	S: 33	3[illegible]		
		26	R		2[illegible]		

CUT IN 240+00 S

F. B. 1886 Pg. 76
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by FHB Notes TM Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			240+00S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
1	B&W	8:09	31.4 30.0	30.5	6.4	24.1	1460	1460	
2	R		31.3 28.8	29.6	6.4	23.2	1399	1399	
3	Y		30.1 29.0	29.4	6.4	23.0	1375	~~1359~~	1375
4	B&W	8:12	29.0 27.8	28.2	6.4	21.8	1314	1314	
5	R		28.5 27.4	27.8	6.5	21.3	1274	1274	
6	Y		28.2 26.1	26.8	6.5	20.3	1216	1216	
7	B&W	8:15	26.8 25.9	26.2	6.5	19.7	1165	1165	
8	R		24.3 23.5	23.9	6.5	17.4	1098	~~1095~~	1098
9	Y		26.1 24.9	25.3	6.5	18.8	1163	1163	
10	B&W	8:19	24.7 23.7	24.0	6.5	17.5	1085	1085	
11	R		23.9 23.0	23.3	6.5	16.8	1039	1039	
12	Y		23.3 22.0	22.4	6.6	15.8	1004	1004	
13	B&W	8:22	21.1 20.6	20.8	6.6	14.2	955	955	
14	R		19.0 17.9	18.3	6.6	11.7	890	890	
15	Y		19.9 18.9	19.2	6.6	12.6	932	932	
16	B&W	8:24	19.1 18.5	18.7	6.6	12.1	883	883	
17	R		17.5 16.5	16.8	6.6	10.2	836	836	
18	Y		16.2 15.7	15.9	6.6	9.3	778	778	
19	B&W	8:27	16.1 15.0	15.4	6.6	8.8	756	~~756~~	756
20	R		15.2 13.0	13.7	6.7	7.0	700	~~694~~	700

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
F. B. 1886 Pg. 77

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 78 Job No. 842 Division No. Notes Red. Plotted Profile No.
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by Notes CEM 9/24/53 Notes Chkd. Checked
Indexed [redacted] Date Date Date No.

STATION			B. S.	H. I.	F. S.	ELEV.			240+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks	
21	Y		15.0	14.3	6.7	7.6	718		718
22	BEW	8:30	13.8 13.0 12.6	12.7	6.7	6.0	661		661
23	R		14.1 12.0	12.0	6.7	5.3	633		633
24	Y		12.0 11.5 10.8	~~11.7~~	6.7	~~4.8~~ ~~5.0~~	609	~~607~~	609
25	BEW	8:33	11.0 9.9 9.7	9.7	6.7	3.0	546		546
26	R		7.4	7.8	6.7	1.1	517		517

Board 240 + 00 S

F. B. _____ PG. 79

Map No. _____ W. O. _____ Tape No. _____ Sta. _____
Office Work _____ Surveyed by _____
Checked _____ Notes _____ Date _____
Date _____ Indexed _____

STANDARD TIME SEPT 25 1953

HOUR	TIDE
6:00	3.2
6:30	3.7
7:00	4.4
7:30	5.1
8:00	5.7
8:30	6.3
9:00	6.6
9:30	6.8
10:00	6.9
10:30	6.6
11:00	6.4
11:30	5.9
12:00	5.5
12:30	4.5
1:00	3.8

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1886 PG. 80

TIDE GAGE

STANDARD TIME SEPT 28 1953

HOUR	TIDE
600	2.9
630	3.0
7:00	3.1
7:30	3.2
8:00	3.6
8:30	38
9:00	4.0
9:30	4.2
10:00	4.5
10:30	5.0
11:00	5.1
11:30	5.2
12:00	5.3
12:30	5.5
1:00	5.2
1:30	

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

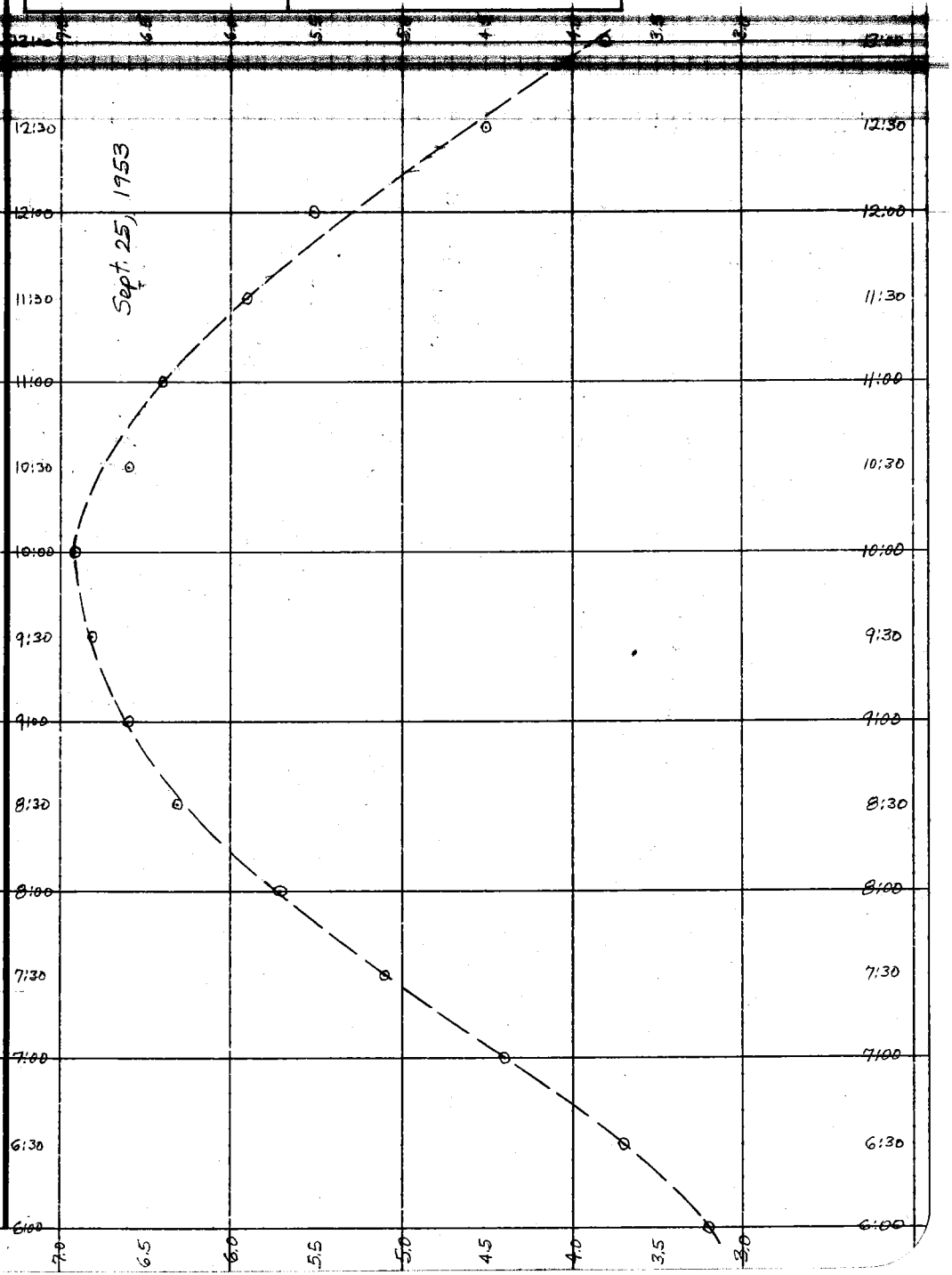
Do not extend notes this side of this line.

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

JN 8412

F. B. _____ PG. _____

Map No. _____	W. O. _____ Tape No. _____ Std. _____ °F
Office Work _____	Surveyed by _____
Checked _____	Notes _____ Date _____
Date _____	Indexed _____



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

Do not extend notes this side of this line.

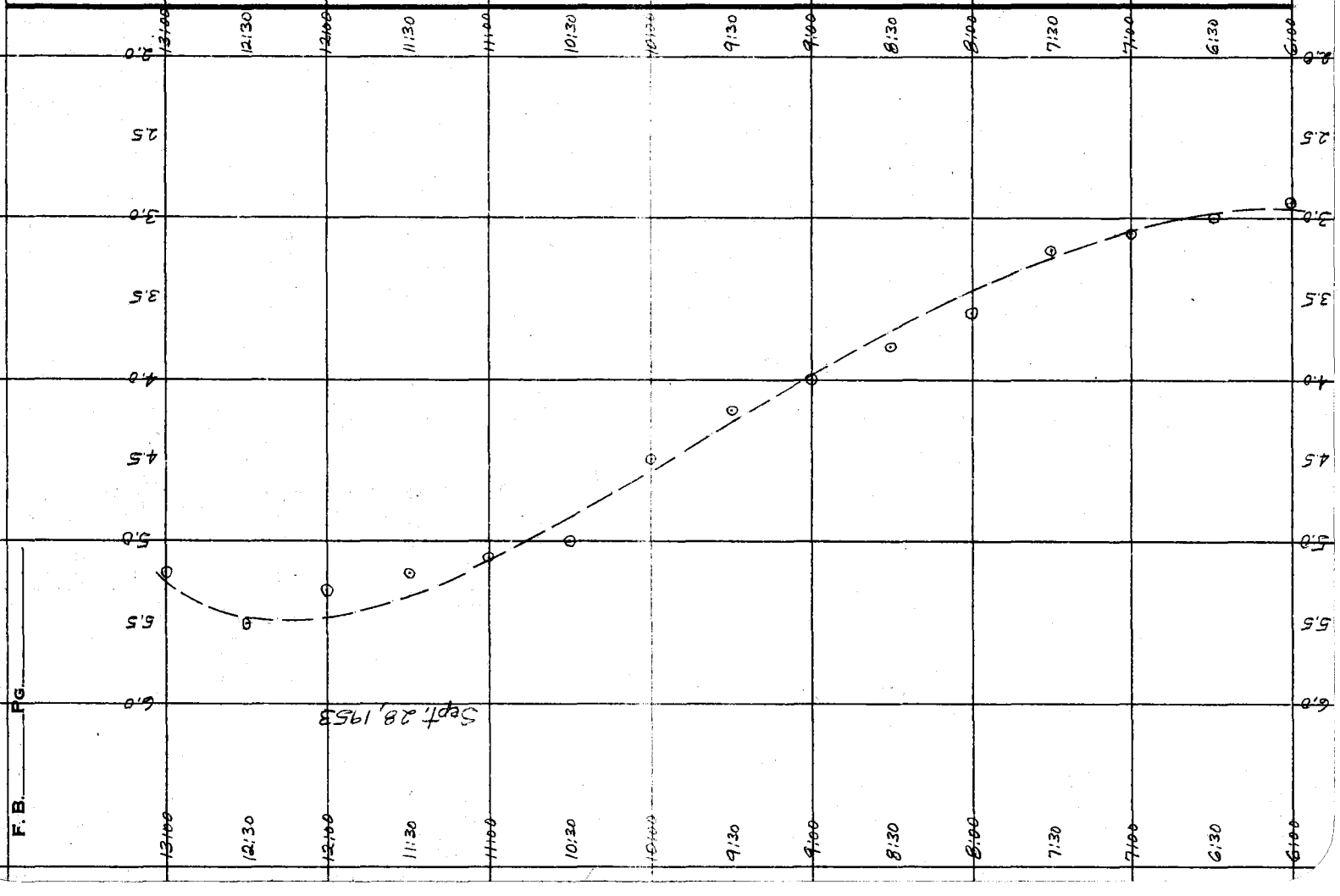
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 4-53

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.



F. B. _____ PG. _____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 235+00	
Inst. Sight At On	# #	Color	Time	Hor. Ang.		Remarks
235+00 S-12	1	B & W	10:33	90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B & W	10:37	90°00		
	5	R		89°50		
	6	Y		90°00		
	7	B & W	10:41	90°00		
	8	R		90°00		
	9	Y		89°50		
	10	B & W	10:45	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	10:49	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	10:53	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	10:56	90°00		
	20	R		89°52		

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1895 Pg. 81

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

76L298 307 4-50

2.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 12 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile
Survey of BEACH EROSION STUDY | Date | Date | No.
Survey by F.H.B. Notes TM | Notes Chkd. | Checked | X-Sec.
Indexed K. J. Johnson Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 235+00 +S.
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks
235+00 / S-12	21	Y		90°00	
	22	B & W	10:58	90°00	
	23	R		90°00	
	24	Y		90°00	
	25	B & W	11:03	90°00	
	26	R		90°00	
	27	Y		90°08	
	28	B & W	11:06	89°47	
	29	R		90°00	
	30	Y		90°00	
	31	B & W	11:09	90°00	
	32	R		90°00	

Range 235+00

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	CUT IN 235+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
240+00	S-11	1	B+W	10 33	71° 49	
		2	R		71° 19	Note
		3	Y		68° 50	CHange IN Angles, 2 R
		4	B+W	10 36	67° 54	doto Boat, soundings,
		* 5	R		66° 09	
		6	Y		66° 41	
		7	B+W	10 40	67° 47	
		8	R		64° 12	
		* 9	Y		65° 17	
		10	B+W	10 45	65° 01	
		11	R		65° 32	
		12	Y		60° 37	
		13	B+W	10 49	62° 03	
		14	R		62° 33	
		15	Y		63° 37	
		16	B+W	10 53	61° 59	
		17	R		60° 18	
		18	Y		59° 28	
		19	B+W	10 56	60° 07	
		* 20	R		57° 58	

Cut In 238+00 S

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 4886 Pg. 83

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

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	Cut in 235+00
240+00	S-11	21	Y		56° 00		
		22	B+W	10:59	53° 17		
		23	R		53° 18		
		24	Y		52° 58		
		25	B+W	11 02	52° 35		
		26	R		54° 30		
		* 27	Y		51° 22		
		* 28	B+W	11 06	48° 28		
		29	R		46° 17		
		30	Y		47° 40		
		31	B+W	11 09	49° 53		
		32	R		48° 52		

Cut In 235+00 S

F.B. 1886 PG. 24 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by FHB Notes VS Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Sept 25/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

25'

STATION		B. S.	H. I.	F. S.	ELEV.			235+00 S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
1	B&W	10:32	34.2 / 32.9	33.3	6.7	26.6	1572	1572	
2	R		33.0 / 31.7	32.1	6.7	25.4	1479	1479	
3	Y		30.6 / 29.8	30.1	6.7	23.4	1291	1291	
4	B&W	10:36	30.0 / 28.2	28.8	6.7	22.1	1232	1232	
5	R		27.2 / 25.8	26.3	6.7	19.6	1127	~~1131~~	1127
6	Y		27.3 / 26.3	26.6	6.7	19.9	1160	1160	
7	B&W	10:39	28.4 / 27.3	27.7	6.7	21.0	1224	1224	
8	R		25.0 / 22.0	23.0	6.6	16.4	1034	1034	
9	Y		25.0 / 23.0	23.7	6.6	17.1	1082	~~1086~~	1082
10	B&W	10:44	24.6 / 23.9	24.1	6.6	17.5	1073	1073	
11	R		27.0 / 24.0	25.0	6.6	18.4	1099	1099	
12	Y		19.9 / 18.1	18.7	6.6	12.1	888	888	
13	B&W	10:48	21.0 / 19.9	20.3	6.6	13.7	942	942	
14	R		21.0 / 20.0	20.3	6.5	13.8	963	963	
15	Y		23.0 / 22.0	22.3	6.5	15.8	1008	1008	
16	B&W	10:52	21.0 / 19.9	20.3	6.5	13.8	939	939	
17	R		19.0 / 17.8	18.2	6.5	11.7	877	877	
18	Y		18.0 / 16.0	16.7	6.5	10.2	848	848	
19	B&W	10:55	19.5 / 17.0	17.8	6.5	11.3	870	870	
20	R		17.1 / 15.9	16.3	6.5	9.8	797	~~799~~	79[illegible]

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date 1-14-54 Date Map No. Date
F. B. 1886 Pg. 85

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 16 | Job No. 8412 Division No. | Notes CEM 9/25/53 Notes Chkd. | Date 1-14-53 Date | Notes Red. | Date | Date | Plotted | Date | Checked | Date | No. | No. | Profile | X-Sec.

Survey of
Survey by C. Johnson
Indexed

STATION	B. S.	H. I.	F. S.	ELEV.			235+00
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21 Y		16.2					
		14.8	15.3	6.4	8.9	741	741
22 BEW	10:58	14.5					
		12.5	13.2	6.4	6.8	670	670
23 R		14.0					
		13.0	13.3	6.4	6.9	683	683
24 Y		14.5					
		12.5	13.2	6.4	6.8	663	663
25 BEW	11:01	14.0					
		12.7	13.1	6.4	6.7	654	654
26 R		15.2					
		13.7	14.2	6.4	7.8	710	710
27 Y		14.0					
		12.2	12.8	6.3	6.5	628	~~626~~ 628
28 BEW	11:05	10.5					
		9.8	10.0	6.3	3.7	562	~~564~~ 562
29 R		9.8					
		8.8	9.1	6.3	2.8	523	523
30 Y		10.2					
		9.2	9.5	6.3	3.2	549	549
31 BEW	11:08	12.2					
		11.5	11.7	6.3	5.4	593	593
32 R		11.9					
		10.2	10.8	6.3	4.5	572	572

Boat
235+00 S

76L298 307 4-50

3

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	230+00 - S
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
230+00	S-11 1	B & W		89°53		
	2	R		89°52		
	3	Y		90°00		
	4	B & W	11:23	90°00		
	5	R		89°55		
	6	Y		90°00		
	7	B & W	11:27	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	11:30	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	11:36	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	11:39	90°00		
	17	R		90°07		
	18	Y		90°00		
	19	B & W	11:41	90°00		
	20	R		90°00		

RANGE 230+00 S

Profile No. Date Notes Red. Date Plotted Date Job No. 1412 Division No. Survey of

No. Date Date Map No. Add Job No. Date

F. B. 1886 Pg. 89

4

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	230+00 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
230+00	S-11	21	Y		90 00		
		22	B & W	11:43	90 00		
		23	R		90 00		
		24	Y		90 00		
		25	B & W	11:44	90 00		
		26	R		90 00		
		27	Y		90 00		
		28	B & W	11:46	89 04		
		29	R		90 00		
		30	Y		90 00		
		31	B & W	11:47	90 00		
		32	R		90 00		
		33	Y		90 00		
		34	B & W	11:48	90 00		
		35	R		90 13		
		36	Y		90 00		
		37	B & W	11:50	90 00		
		38	R		90 00		

RANGE 230+00 S

F. B. 1886 PG. 88 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes Notes Chkd. Checked
Indexed Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		CUTIN 230+0
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
225+00 S-11	* 1	B+W	11 23	69° 51		
	* 2	R		70° 26		
	3	Y		69° 34		
	4	B+W	11 27	68° 37		
	* 5	R		67° 20		
	6	Y		66° 26		
	7	B+W	11 30	65° 43		
	8	R		65° 01		
	9	Y		63° 29		
	10	B+W	11 31	63° 14		
	11	R		63° 30		
	12	Y		62° 27		
	13	B+W	11 36	59° 52		
	14	R		59° 43		
	15	Y		60° 23		
	16	B+W	11 38	59° 45		
	* 17	R		61° 57		
	18	Y		61° 06		
	19	B+W	11 41	60° 32		
	20	R		59° 42		

Profile Notes Red ____ Plotted ____ Job No. 2412 Division No. ____ F.B. 1886 PG. 89

No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ____ Map No. ____ Indexed ____ Date ____

C. Johnson

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		CUT IN 230+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
225+00	S-11	21	Y		59° 11		
		22	B+W	11 42	58° 43		
		23	R		57° 25		
		24	Y		56° 09		
		25	B+W	11 44	55° 08		
		26	R		54° 02		
		27	Y		53° 18		
		* 28	B+W	11 45	52° 02		
		29	R		51° 02		
		30	Y		50° 16		
		31	B+W	11 46	49° 4		
		32	R		48° 37		
		33	Y		47° 37		
		34	B+W	11 48	46° 56		
		* 35	R		46° 02		
		36	Y		44° 20		
		37	B+W	11 49	44° 52		
		38	R		48° 7		
		39	Y				

CUT IN 230+00 S

F.B. 1886 PG. 90 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by FHB Notes VS Notes Chkd. Checked
Indexed A. C. Johnson Date Sept 25/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

230+00 S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	B&W	11:23	31.5 29.3	300	6.0	24.0	1370 ~~1363~~
2	R		32.3 30.0	30.8	6.0	24.8	1414 ~~1407~~
3	Y		30.0 28.8	292	6.0	23.2	1342
4	B&W	11:26	28.8 27.8	281	6.0	22.1	1277
5	R		28.0 26.5	270	6.0	21.0	1199 ~~1197~~
6	Y		26.7 25.0	256	5.9	19.7	1146
7	B&W	11:29	25.0 23.9	243	5.9	18.4	1108
8	R		24.0 23.0	233	5.9	17.4	1073
9	Y		23.0 21.3	219	5.9	16.0	1002
10	B&W	11:31	22.0 21.0	? 213	5.9	15.4	991
11	R		22.5 21.0	215	5.9	15.6	1003
12	Y		21.3 20.5	208	5.8	15.0	958
13	B&W	11:35	19.7 18.0	18.6	5.8	12.8	861
14	R		18.0 17.5	17.7	5.8	11.9	856
15	Y		20.2 17.0	18.1 ~~17.4~~	5.8	12.3	880
16	B&W	11:37	18.2 17.1	17.5	5.8	11.7	857
17	R		21.2 19.2	19.9	5.8	14.1	934 ~~938~~
18	Y		20.0 19.0	19.3	5.7	13.6	906
19	B&W	11:40	20.2 18.0	18.7	5.7	13.0	885
20	R		18.5 18.0	18.2	5.7	12.5	856

Boat 230+00 ad

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1886 Pg. 91
No. Date Date Survey of
No. Date 1-14-54 Date Map No. Ed Johnson Date

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		230+005
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		17.6 16.0	165	5.7	No good	838
22	B&W	11:41	16.2 16.8	173	5.7	11.6	823
23	R		17.0 15.0	157	5.7	10.0	782
24	Y		15.8 14.0	146	5.7	8.9	745
25	B&W	11:43	15.8 13.6	143	5.6	8.7	718
26	R		14.8 13.6	140	5.6	8.4	689
27	Y		14.2 12.0	134	5.6	7.8	671
28	B&W	11:45	13.8 12.8	131	5.6	7.5	647 ~~641~~ 647
29	R		13.2 12.0	124	5.6	6.8	618
30	Y		13.9 11.5	123	5.6	6.7	612
31	B&W	11:46	12.5 11.0	115	5.6	5.9	579
32	R		11.8 10.5	109	5.6	5.3	568
33	Y		11.9 10.0	10.6	5.6	5.0	554
34	B&W	11:47	10.4 9.2	9.6	5.6	4.0	535
35	R		10.0 7.5	83	5.6	2.7	513 ~~518~~ 513
36	Y		9.0 7.0	77	5.5	2.2	488
37	B&W	11:48	8.0 6.0	67	5.5	1.2	498
38	R		11.3 10.7	109	5.5	5.4	574

Boat 230+005

F. B. 1886 Pg. 92 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of ____ Date ____ Date ____ No. ____
Survey by K. C. Johnson Notes CEM 9/25/53 Notes Chkd KT Checked ____ X-Sec. ____
Indexed ____ Date ____ Date 1-14-54 Date ____ No. ____

76L298 307 4-50

5

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	225+00 - S.
Inst. Sight At	On	#	# Color	Time	Hor. Ang.	Remarks
225+00	S-11	1	B & W	12:04	90°00	
		2	R		90°00	
		3	Y		90°00	
		4	B & W	12:06	90°12	
		5	R		90°00	
		6	Y		90°00	
		7	B & W	12:08	90°00	
		8	R		90°00	
		9	Y		90°00	
		10	B & W	12:10	90°00	
		11	R		90°00	
		12	Y		90°00	
		13	B & W	12:12	90°00	
		14	R		90°00	
		15	Y		90°00	
		16	B & W	12:14	90°00	
		17	R		90°00	
		18	Y		90°00	
		19	B & W	12:16	90°00	
		20	R		90°00	

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
F. B. 1886 PG. 93

76L298 307 4-50

6

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	225+00-S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
225+00	S-11	21	Y		90°00		
		22	B & W	12:18	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B & W	12:19	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B & W	12:21	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B & W	12:22	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B & W	12:23	90°00		

RANGE 225+00S

F. B. 1886 PG. 94
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by EHB Notes TM Notes Chkd. Checked
Indexed [redacted] Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
220+00	S-11	1	B+W	12 03	70° 58		
		2	R		71° 25		
		3	Y		70° 58		
		* 4	B+W	12 05	70° 04		
		5	R		70° 36		
		6	Y		70° 18		
		7	B+W	12 06	69° 33		
		8	R		68° 47		
		9	Y		67° 53		
		10	B+W	12 09	66° 57		
		11	R		~~66°~~ 66° 20		
		12	Y		65° 36		
		13	B+W	12 11	64° 52		
		14	R		64° 09		
		15	Y		63° 07		
		16	B+W	12 13	62° 19		
		17	R		61° 45		
		18	Y		61° 14		
		19	B+W	12 15	59° 41		
		20	R		60° 35		

Cut in 225+00

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1886 PG. 95

Notes Cmd. ____ Date ____ Checked ____ Date ____ Survey of ____ Map No. ____ Indexed Johnson Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		CUT IN 225+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
220+00	S-11	21	Y		59° 51		
		22	B+W	12 18	59° 07		
		23	R		57° 55		
		24	Y		57° 23		
		25	B+W	12 19	56° 41		
		26	R		55° 34		
		27	Y		54° 48		
		28	B+W	12 21	53° 39		
		29	R		52° 25		
		30	Y		51° 40		
		31	B+W	12 22	50° 40		
		*32	R		49° 45		
		33	Y		48° 06		
		34	B+W	12 23	48° 09		

CUT IN 225+00 S

F.B. 1886 PG. 96 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by FHB Notes JS Notes Chkd. Checked X-Sec.
Indexed R. O. Johnson Date Sept 25/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.			225+005
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1 BEW	12:02	30.1 28.0	28.7	5.2	23.5		1449
2 R		30.8 29.0	29.6	5.2	24.4		1487
3 Y		30.0 28.0	28.7	5.2	23.5		1449
4 BEW	12:04	30.1 27.9	28.6	5.2	23.4		~~1389~~ 1400
5 R		29.1 28.0	28.4	5.2	23.2		1419
6 Y		29.9 27.9	28.6	5.2	23.4		1396
7 BEW	12:06	28.1 27.6	27.8	5.2	22.6		1341
8 R		28.0 26.0	26.7	5.1	21.6		1288
9 Y		26.9 25.0	25.6	5.1	20.5		1230
10 BEW	12:08	26.4 24.8	25.3	5.1	20.2		1175
11 R		25.0 23.8	24.2	5.1	19.1		1142
12 Y		24.3 22.7	23.2	5.1	18.1		1102
13 BEW	12:10	23.0 22.0	22.3	5.1	17.2		1066
14 R		22.0 20.9	21.3	5.1	16.2		1032
15 Y		21.2 20.0	20.4	5.0	15.4		986
16 BEW	12:12	21.2 19.0	19.7	5.0	14.7		953
17 R		19.1 18.8	18.9	5.0	13.9		930
18 Y		19.1 17.6	18.1	5.0	13.1		911
19 BEW	12:15	17.0 15.5	16.0	5.0	11.0		855
20 R		18.2 17.2	17.5	4.9	12.6		887

Profile Notes Red No. Date Plotted Date Job No. 8412 Division No. Map No. Survey of Date

F. B. 1986 Pg. 97

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		225+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		17.4 16.0	16.5 ~~16.4~~	4.9	11.6 ~~11.5~~	861
22	B&W	12:17	17.1 14.9	15.6	4.9	10.7	836
23	R		16.1 14.1	14.8	4.9	9.9	798
24	Y		15.0 13.1	13.7	4.9	8.8	781
25	B&W	12:18	16.0 13.6?	14.4	4.9	9.5	761
26	R		14.7 12.1	13.0	4.9	8.1	729
27	Y		13.8 12.0	12.6	4.8	7.8 ~~6.8~~	709
28	B&W	12:20	13.0 11.6	12.1	4.8	7.3	679
29	R		12.7 11.0	11.6	4.8	6.8	650
30	Y		11.8 10.0	10.6	4.8	5.8	632
31	B&W	12:21	12.6 10.0	10.9	4.8	6.1	610 Bottom evidently uneven
32	R		11.4 9.8	10.3	4.8	5.5	~~591~~ 592
33	Y		10.4 8.8	9.3	4.8	4.5	557
34	B&W	12:22	9.7 7.0	7.9	4.8	3.1	558

Boat 225+00S

F.B. 1886 Pg. 98 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes CEM 9/25/53 Notes Chkd. Checked X-Sec.
Indexed Date Date 1-14-54 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile 7 Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 99

No. ____ Date ____ Date ____ Survey of ____

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

Range 220+00 S

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	
Inst. Sight At	On	# Color	Time	Hor. Ang.		Remarks
220+00 - S11	1	B&W	8:30	90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B&W	8.33'	90°00		
	5	R		90°00		
	6	Y		90°00		
	7	B&W	8 35	90°00		
	8	R		90°00		
	9	Y		89°47		
	10	B&W	8 37	90°00		
	11	R		90 00		
	12	Y		90°00		
	13	B&W	8 39	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B&W	8 42	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B&W	8 44	90°00		
	20	R		90°00		

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
220+00	S-11	21	Y		90 00		
		22	B&W	8 46+	90 00		
		23	R		90 00		
		24	Y		90 00		
		25	B&W	8 49	90 00		
		26	R		90 00		
		27	Y		90 00		
		28	B&W	8 51	90 00		
		29	R		90 00		
		30	Y		90 00		
		31	B&W	8 54	90 00		
		32	R		90 00		
		33	Y		90 00		
		34	B&W	8 56	90 00		
		35	R				
		36	Y				

RANGE 220+00 S

F. B. 1886 Pg. 100 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDIES Date Date No. X-Sec.
Survey by Blanchard Notes FHB Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date Date Map No. Made by Johnson Date

F. B. 1886 PG. 101

STATION	B. S.	H. I.	F. S.	ELEV.	Cut-in	220+00-S
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
225+00	S-10 1	B & W	8:30	73°22		
	2	R		73°18		
	3	Y		73°05		
	4	B & W	8:33	72°34		
	5	R		72°11		
	6	Y		71°36		
	7	B & W	8:35	70°41		
	8	R		69°57		
	* 9	Y		69°11		
	10	B & W	8:36	67°59		
	11	R		67°07		
	12	Y		66°08		
	13	B & W	8:39	64°54		
	14	R		64°39		
	15	Y		63°27		
	16	B & W	8:42	62°41		
	17	R		62°38		
	18	Y		61°16		
	19	B & W	8:44	62°27	*	
	20	R		60°58		

Cut in 220+00 S

F. B. 1886 Pg. 102 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile No.
Survey of BEACH EROSION STUDY | Date | Date | X-Sec. No.
Survey by FHB | Notes TM | Notes Chkd. | Checked
Indexed L. C. Johnson | Date | Date | Date | No.

76L298 307 4-50

9

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Cut-in 220+00-S.
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks
225+00 S-10	21	Y		6[illegible] 3	
	22	B & W	8:47	5[illegible] 5	
	23	R		6[illegible] 8	*
	24	Y		6[illegible] 6	*
	25	B & W	8:49	5[illegible] 5	
	26	R		5[illegible] 5	
	27	Y		5[illegible] 7	
	28	B & W	8:52	56[illegible] 1	
	29	R		5[illegible] 3	
	30	Y		5[illegible] 2	
	31	B & W	8:54	52[illegible] 9	
	32	R		52[illegible] 8	
	33	Y		5[illegible] 0	
	34	B & W	8:56	45[illegible] 5	

CUT IN 220+00 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			220+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	BEW	8:29	31.0 29.8	30.2	3.7	26.5		1674
2	R		30.7 28.8	29.4	3.7	25.7		1667
3	Y		30.0 29.0	29.3	3.7	25.6		1644
4	BEW	8:32	29.9 28.1	28.7	3.7	25.0		1592
5	R		29.1 28.0	28.4	3.7	24.7		1556
6	Y		29.0 27.6	28.1	3.7	24.4		1503
7	BEW	8:34	27.8 26.5	26.9	3.8	23.1		1426
8	R		27.2 26.0	26.4	3.8	22.6		1370
9	Y		26.2 25.0	25.4	3.8	21.6	*	~~1315~~ 1303
10	BEW	8:36	25.2 24.0	24.4	3.8	20.6		1237
11	R		24.1 23.0	23.4	3.8	19.6		1185
12	Y		23.0 22.0	22.3	3.8	18.5		1130
13	BEW	8:38	21.9 20.3	20.8	3.8	17.0		1067
14	R		21.0 19.2	19.8	3.8	16.0		1055
15	Y		19.5 18.1	19.0	3.8	15.2		1001
16	BEW	8:41	19.0 17.3	17.9	3.8	14.1		968
17	R		18.9 17.7	18.1	3.8	14.3		966
18	Y		17.3 16.1	16.5	3.8	12.7		912
19	BEW	8:43	18.9 17.3	17.8	3.8	14.0		958
20	R		16.5 15.7	16.0	3.8	12.2		901

Boat #2 Patrol

Profile No. ____ Date ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 8412 Division No. ____ Survey of ____ Map No. ____ Date ____ Indexed ____ Date ____ F. B. 1886 PG. 103

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 104 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by Notes CEM 9/28/53 Notes Chkd. KK Checked
Indexed A. C. Johnson Date Date 1-14-54 Date No.

STATION		B. S.	H. I.	F. S.	ELEV.		220+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		16.4 15.0	15.5	3.9	11.6	874
22	B&W	8:46	15.3 13.2	13.9	3.9	10.0	835
23	R		17.5 15.5	16.2	3.9	12.3	883
24	Y		16.2 14.8	15.3	3.9	11.4	875
25	B&W	8:49	16.0 14.0	14.7	3.9	10.8	846
26	R		15.0 13.8	14.2	3.9	10.3	819
27	Y		14.2 12.2	12.9	3.9	9.0	778
28	B&W	8:51	13.8 11.9	12.5	3.9	8.6	745
29	R		13.4 11.5	12.1	3.9	8.2	715
30	Y		12.5 11.0	11.5	3.9	7.6	685
31	B&W	8:53	12.0 10.3	10.9	3.9	7.0	663
32	R		11.2 10.0	10.4	3.9	6.5	643
33	Y		11.0 8.9	9.6	3.9	5.7	607
34	B&W	8:56	10.2 8.2	8.9	3.9	5.0	557

Boat 220+00 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Range 215+00 S

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
215+00 - J-11	1	B&W	1003	90°00	
	2	R		90 00	
	3	Y		90°00	
	4	B&W	1006	90°00	
	5	R		90°00	
	6	Y		90°00	
	7	B&W	1008	90 00	
	8	R		90 00	
	9	Y		90°00	
	10	B&W	1009+	90°04	
	11	R		90 00	
	12	Y		90°00	
	13	B&W	1011	90 00	
	14	R		90°00	
	15	Y		89.54	
	16	B&W	1014	90°00	
	17	R		90 00	
	18	Y		90 00	
	19	B&W	1016	90.00	
	20	R		90 00	

Profile Notes Red. 1V Plotted Job No. 8417 Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
F. B. 1886 Pg. 105

Range 215+00 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
215+00 S-S-11	21	Y		90 00		
	22	B&W	10 18	90 00		
	23	R		90 00		
	24	Y		90 00		
	25	B&W	10 19+	90 00		
	26	R				
	27	Y				
	28	B&W				
	29	R				
	30	Y				

RANGE 215+00 S

F. B. 1886 Pg. 106 Job No. 8412 Division No. Notes Red. Plotted 13 Profile
Survey of BENCH EROSION STUDIES Date Date No.
Survey by Blanchard Notes FAB Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 307 10-51

10

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Cut-in	215+00-S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
220+00 S-10	1	B & W	10:03	73°07		
	2	R		71°27		
	3	Y		70°46		
	4	B & W	10:06	69°57		
	5	R		68°59		
	6	Y		68°17		
	7	B & W	10:08	67°07		
	8	R		66°17		
	9	Y		65°12		
	* 10	B & W	10:10	63°52		
	11	R		62°42		
	12	Y		61°40		
	13	B & W	10:11	60°20		
	14	R		60°15		
	* 15	Y		60°28		
	16	B & W	10:14	58°09		
	17	R		56°45		
	18	Y		55°28		
	19	B & W	10:16	54°30		
	20	R		53°41		

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1886 Pg. 107

No. ____ Date ____ Date ____ Survey of ____

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

F.B. 1886 PG. 108 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDY Date _____ Date _____ No. _____

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

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

76L298 307 10-51

11

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Cut-in	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.		
	21	Y		[illegible]		
	22	B+W	10:18	51 4		
	23	R		[illegible]		
	24	Y		[illegible]		
	25	B+W	10:20	[illegible]		
Cut IN 215+00 S						215+00-S.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	215+00 S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1 BEW	10:02	31.2 30.0 29.5	30.4	4.6	25.8	1647
2 R		28.0 29.2	28.5	4.6	23.9	1490
3 Y		27.7 28.1	28.2	4.6	23.6	1433
4 BEW	10:05	27.0 27.3	27.4	4.6	22.8	1370
5 R		25.7 26.1	26.2	4.6	21.6	1301
6 Y		24.9 25.0	25.3	4.6	20.7	1205
7 BEW	10:07	23.9 24.0	24.3	4.6	19.7	1185
8 R		22.5 22.2	23.0	4.6	18.4	1138
9 Y		21.2 21.4	21.5	4.6	16.9	1082
10 BEW	10:09	19.5 19.9	20.1	4.7	15.4 *	~~1019~~ 1021
11 R		18.8 19.2	19.2	4.7	14.5	969
12 Y		18.0 17.3	18.4	4.7	13.7	927
13 BEW	10:11	16.2 17.5	16.6	4.7	11.9	878
14 R		16.0 17.6	16.5	4.7	11.8	875
15 Y		16.8 15.5	17.1	4.7	12.4 *	~~883~~ 881
16 BEW	10:13	14.6 15.0	14.9	4.7	10.2	805
17 R		13.0 14.0	13.7	4.7	9.0	763
18 Y		12.5 14.1?	13.0	4.7	8.3	727
19 BEW	10:15	12.8? 13.0	13.2?	4.7	8.5?	701
20 R		11.8	12.2	4.7	7.5	680

Profile No. ____ Date ____
Notes Red ____ Date ____
Plotted ____ Date ____
Job No. 8412 Division No. ____
Survey of ____
Map No. ____ Date ____

F. B. 1886 PG. 109

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	215 +00 S
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
21	Y		12.8 11.0	11.6	4.7	6.9	648
22	B&W	10:17	12.2 10.0	10.7	4.7	6.0	630
23	R		11.4 9.5	10.1	4.7	5.4	592
24	Y		11.1 9.8 (8.8?)	9.6	4.8	4.8	566
25	B&W	10:19	9.0 7.5	8.0	4.8	3.2	548

Boat 215+00S

F. B. 1886 PG. 110 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by M.J. Notes CEM 9/28/53 Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 210+00
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
210+00 S S-11	1	B & W	9:22	90° 00'	
	2	R		90° 00'	
	3	Y		90° 00'	
	4	B & W	9:25	90° 00'	
	5	R		90° 00'	
	6	Y		90° 00'	
	7	B & W	9:26	90° 00'	
	8	R		90° 00'	
	9	Y		90° 00'	
	10	B & W	9:28	90° 00'	
	11	R		90° 00'	
	12	Y		90° 00'	
	13	B & W	9:31	90° 00'	
	14	R		90° 00'	
	15	Y		90° 00'	
	16	B & W	9:33	90° 00'	
	17	R		90° 00'	
	18	Y		90° 00'	
	19	B & W	9:36	90° 00'	
	20	R		90° 00'	

Profile 9 Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1884 PG. 111

No. ____ Date ____ Date ____ Survey of ____

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 112 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDIES Date Date No. X-Sec.
Survey by EHB Notes C.E. Shoemaker Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

RANGE 210+00

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At / Sight On	#	Color	Time	Hor. Ang.	
210+00 S-11	21	Y		90° 00'	
	22	B & W	9:37	90° 00'	
	23	R		90° 00'	
	24	Y		90° 00'	
	25	B & W	9:40	90° 00'	
	26	R		90° 00'	

RANGE 210+00 S

76L298 307 4-50

72

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut-in	210+00 - S.
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
205+00	S-11	1	B & W	9:23	74°09		
		2	R		73°59		
		3	Y		73°09		
		4	B & W	9:25	72°35		
		5	R		71°44		
		6	Y		70°52		
		7	B & W	9:27	69°46		
		8	R		69°12		
		9	Y		67°52		
		10	B & W	9:29	66°50		
		11	R		65°55		
		12	Y		66°25 *		
		13	B & W	9:30	64°59		
		14	R		63°52		
		15	Y		63°18		
		16	B & W	9:33	62°05		
		17	R		61°05		
		18	Y		59°52		
		19	B & W	9:36	58°45		
		20	R		57°28		

Cut in Dirt

Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. ____ Survey of ____ Division No. ____ Map No. ____ Indexed ____ Date ____

F. B. 18[illegible] PG. 18

76L298 307 4-50

13

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut-in	210+00-S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
205+00	S-11	21	Y		55°07		
		22	B & W	9:38	59°51		
		23	R		5[illegible]°45		
		24	Y		5[illegible]°6		
		25	B & W	9:40	49°[illegible]5		
		26	R		4[illegible]°3		

Cut In 210+00 S

F. B. 1886 PG. 114 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BENCH EROSION STUDY Date Date No. X-Sec.
Survey by EHB Notes TM Notes Chkd. Checked
Indexed S. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	210+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	BEW	9:22	30.0 28.2	28.8	4.2	24.6	1761
2	R		29.2 28.4	28.7	4.2	24.5	1742
3	Y		29.0 27.5	28.0	4.2	23.8	1651
4	BEW	9:24	28.9 26.9	27.6	4.2	23.4	1594
5	R		28.0 26.5	27.0	4.2	22.8	1515
6	Y		27.0 26.0	26.3	4.2	22.1	1441
7	BEW	9:26	26.0 24.7	25.1	4.2	20.9	1357
8	R		25.3 24.2	24.6	4.2	20.4	1316
9	Y		24.0 23.0	23.3	4.2	19.1	1229
10	BEW	9:28	23.0 21.8	22.2	4.2	18.0	1168
11	R		22.0 20.1	20.7	4.3	16.4	1119
12	Y		22.1 21.0	21.4	4.3	17.1	1145
13	BEW	9:30	20.1 18.7	19.2	4.3	14.9	1071
14	R		19.0 18.1	18.4	4.3	14.1	1019
15	Y		18.0 17.0	17.3	4.3	13.0	994
16	BEW	9:32	17.0 15.8	16.2	4.3	11.9	944
17	R		16.9 15.0	15.6	4.3	11.3	905
18	Y		15.6 14.3	14.7	4.3	10.4	861
19	BEW	9:35	14.0 13.4	13.6	4.3	9.3	824
20	R		14.0 12.7	13.1	4.3	8.8	784

Boat 210+00S

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date 1-14-54 Date Map No. Indexed Johnson Date

F. B. 1886 Pg. 115

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 116 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No.
Survey by L. C. Johnson Notes CEM 9/28/53 Notes Chkd. Checked X-Sec.
Indexed Date Date 1-14-54 Date No.

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Ht. Tide	Adj. Depth	Remarks
							210+00S
21	Y		12.5	11.8	4.3	7.5	739
22	BEW	9:37	11.5	11.5	4.3	7.2	710
23	R		12.5	10.8	4.3	6.5	682
24	Y		11.0	10.8	4.3	6.5	646
25	BEW	9:39	11.5	9.3	4.4	4.9	594
26	R		10.4	8.2	4.4	3.8	560
			12.4				
			10.0				
			10.1				
			8.9				
			9.5				
			7.5				

Boat
210+00S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RANGE 205+00

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
205+00 S-11	1	B & W	10:36	90° 00'							
	2	R		90° 00'							
	3	Y		90° 00'							
	4	B & W	10:39	90 00'							
	5	R		90° 00'							
	6	Y		90° 00'							
	7	B & W	10:41	90° 00'							
	8	R		90° 00'							
	9	Y		90° 00'							
	10	B & W	10:44	90° 00'							
	11	R	10:50	90° 00'							
	12	Y		90° 00'							
	13	B & W	10:52	90° 00'							
	14	R		90° 00'							
	15	Y		90° 00'							
	16	B & W	10:56	89° 36'							
	17	R		90° 00							
	18	Y		90° 00'							
	19	B & W	10.58	90° 00'							
	20	R		90° 00'							

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date Date Map No. Date
F. B. 1886 Pg. 117

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 118 Job No. Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by EHB Notes CE Shoemaker Chkd. Checked
Indexed C. Johnson Date 9- Date Date No.

RANGE 205+00

STATION		B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At	Sight On	#	Color	Time	Hor. Ang.	
205+00	S-11	21	Y		90° 00'	
		22	B & W	11:01	" "	
		23	R		" "	
		24	Y		" "	
		25	B & W	11:02	" "	
		26	R		" "	
		27	Y		" "	
		28	B & W	11:03	" "	
		29	R		" "	
		30	Y		" "	
		31	B & W	11:04	" "	
		32	R		" "	
		33	Y		" "	
		34	B & W	11:06	" "	

RANGE 205+00 S

76L298 307 10-51

14

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut-in	205+00-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
195+00	S-11	1	B & W	10:37	58°14		
		2	R		56°54		
		3	Y		56°06		
		4	B & W	10:39	55°22		
		5	R		54°00		
		6	Y		52°58		
		7	B & W	10:42	52°05		
		8	R		50°46		
		9	Y		50°44		
		10	B & W	10:44	48°45		
		11	R		47°10		
		12	Y		45°16		
		13	B & W	10:53	46°17	*	
		14	R		43°42		
		15	Y		43°41		
		* 16	B & W	10:56	43°16		
		17	R		41°05		
		18	Y		41°15		
		19	B & W	10:59	39°55		
		20	R		39°10		

Cut-in 205+00 S

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. [illegible] Pg. 119

No. ____ Date ____ Date ____ Survey of ____

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

76L298 307 10-51

15

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut-in	205+00-S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
195+00	S-11	21	Y		3[illegible] 33		
		22	B & W	11:01	3[illegible] [illegible]8		
		23	R		3[illegible] [illegible]		
		24	Y		3[illegible] [illegible]		
		25	B & W	11:02	3[illegible] [illegible]		
		26	R		3[illegible] [illegible]1		
		27	Y		[illegible] 19		
		28	B & W	11:03	3[illegible] [illegible]7		
		29	R		[illegible] [illegible]8		
		30	Y		2[illegible] [illegible]9		
		31	B & W	11:04	2[illegible] 10		
		32	R		[illegible] 1		
		33	Y		2[illegible] 9		
		34	B & W	11:06	2[illegible] [illegible]1		

CUT IN 205+00 S

F.B. 1886 PG. 120 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of B[illegible] EROSION STUDY Date Date X-Sec.
Survey by FHB Notes TM Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		205+005
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1 B&W	10:36	31.9 / 30.5	31.0	4.9	26.1	1615
2 R		31.0 / 28.6	29.4	4.9	24.5	1534
3 Y		29.7 / 29.0	29.2	4.9	24.3	1488
4 B&W	10:38	30.9 / 28.0	29.0	4.9	24.1	1448
5 R		29.8 / 28.2	28.7	4.9	23.8	1376
6 Y		28.1 / 27.0	27.4	4.9	22.5	1325
7 B&W	10:41	27.8 / 27.0	27.3	5.0	22.3	1284
8 R		28.0 / 25.0	26.0	5.0	21.0	1225
9 Y		27.3 / 25.8	26.3	5.0	21.3	1223
10 B&W	10:43	26.0 / 24.0	24.7	5.0	19.7	1140
11 R		24.2 / 23.3	23.6	5.0	18.6	1079 over
12 Y		22.8 / 21.6	22.0	5.0	17.0	1009
13 B&W	10:52	23.9 / 22.7	23.1	5.0	18.1	1046
14 R		22.0 / 19.0	20.0	5.1	14.9	956
15 Y		21.0 / 19.8	20.2	5.1	15.1	955
16 B&W	10:55	21.2 / 20.1	20.5	5.1	15.4	~~941~~ 946
17 R		19.1 / 16.8	17.6	5.1	12.5	872
18 Y		19.2 / 17.8	18.3	5.1	13.2	877
19 B&W	10:58	18.8 / 17.0	17.6	5.1	12.5	836
20 R		16.9 / 16.0	16.3	5.1	11.2	815

Seg 1 2 & 3 ECS

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 PG. 121

Date 1-14-54 Date ____ Date ____ Map No. ____ Index No. ____ Date ____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		205+00S
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
21	Y		16.0 14.9	15.3	5.1	10.2	769
22	B&W	11:00	15.2 14.0	14.4	5.1	9.3	739
23	R		14.9 13.5	14.0	5.1	8.9	716
24	Y		14.1 12.8	13.2	5.1	8.1	681
25	B&W	11:01	13.8 12.5	12.9	5.1	7.8	652
26	R		13.1 12.1	12.4	5.1	7.3	637
27	Y		13.1 11.7	12.2	5.1	7.1	620
28	B&W	11:02	12.0 11.0	11.3	5.1	6.2	596
29	R		11.9 10.6	11.0	5.1	5.9	580
30	Y		11.5 10.4	10.8	5.1	5.7	558
31	B&W	11:03	11.0 9.6	10.1	5.1	5.0	547
32	R		10.3 8.9	9.4	5.1	4.3	540
33	Y		9.3 8.4	8.7	5.2	3.5	517
34	B&W	11:05	8.8 6.8	7.5	5.2	2.3	499

Boat 205+00S

F. B. 1886 PG. 122 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey [redacted] Notes CEM 9/28/53 Notes Chkd. Checked
Indexed Date Date 1-1-53 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Range 200+00 S

STATION	B. S.	H. I.	F. S.	ELEV.	Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
200+00 S-11	1	B&W	11:22	90° 00'			1	B&W	11:22	90° 00'	
	2	R		90° 00'			2	R		90° 00'	
	3	Y		90° 00'			3	Y		90° 00'	
	4	B&W	11:24	90° 00'			4	B&W	11:24	90° 00'	
	5	R		90° 00'			5	R		90° 00'	
	6	Y		90° 00'			6	Y		90° 00'	
	7	B&W	11:26	90° 00'			7	B&W	11:26	90° 00'	
	8	R		89° 12'			8	R		89° 12'	
	9	Y		90° 00'			9	Y		90° 00'	
	10	B&W	11:28	90° 00'			10	B&W	11:28	90° 00'	
	11	R		90° 00'			11	R		90° 00'	
	12	Y		90° 00'			12	Y		90° 00'	
	13	B&W	11:31	90° 00'			13	B&W	11:31	90° 00'	
	14	R		90° 00'			14	R		90° 00'	
	15	Y		90° 00'			15	Y		90° 00'	
	16	B&W	11 34	90 00			16	B&W	11 34	90 00	
	17	R		90° 00			17	R		90° 00	
	18	Y		90 00			18	Y		90 00	
	19	B&W	11 36	89 41			19	B&W	11 36	89 41	
	20	R		90° 00			20	R		90° 00	

Range 200+00 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 123

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ Date ____ Map No. ____ Indexed K. Johnson Date ____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 124 Job No. 842 Division No. Notes Red. Plotted Profile
Survey of BEACH CROSSING STUDIES Date Date No.
Survey by Blanchard Notes Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date Date Date No.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
200+00	S-11	21	Y		90 00		
		22	B&W	11 38	90 00		
		23	R		90 00		
		24	Y		90 00		
		25	B&W	11 39	90 00		
		26	~~R~~				
		27	~~Y~~				
		28	~~B&W~~				
		29					

RANGE 200+00 S

76L298 307 10-51

16

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut-in	200+00 -
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
195+00	S-11	1	B & W	11:21	71°30		
		2	R		70°37		
		3			69°45		
		4	B & W	11:24	68°55		
		5	R		68°24		
		6			67°32		
		7	B & W	11:26	66°40		
		* 8	R		65°32		
		9	Y		64°52		
		10	B & W	11:28	63°42		
		11	R		62°25		
		12	Y		62°[illegible]		
		13	B & W	11:30	62°53		
		14	R		60°56		
		15	Y		59°49		
		16	B & W	11:34	59°18		
		17	R		57°51		
		18	Y		56°12		
		* 19	B & W	11:36	54°26		
		20	R		53°03		

Cut In 200+00S

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. [illegible] Pg. 125

No. ____ Date ____ Date ____ Map No. ____ Date ____ Survey of ____

F.B. 1886 Pg. 126 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDY Date _____ Date _____ No. _____

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

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

Cut In 200+00 S.

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
195+00 S-11	21	Y		5 1	
	22	B+W	11:38	5 8	
	23	R		4 3	
	24	Y		4 4	
	25	B+W	11:37	4 4	

Cut-in 200+00-S.

76L298 307 10-51

17

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			200+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	11:20	31.1 / 30.6	30.8	5.3	25.5		1494
2	R		30.2 / 29.0	29.4	5.3	24.1		1421
3	Y		29.8 / 28.2	28.7	5.3	23.4		1355
4	B&W	11:23	29.1 / 26.9	27.6	5.3	22.3		1297
5	R		27.7 / 26.7	27.0	5.3	21.7		1263
6	Y		27.0 / 25.6	26.1	5.3	20.8		1209
7	B&W	11:25	26.4 / 25.6	25.9	5.3	20.6		1159
8	R		26.0 / 24.5	25.0	5.3	19.7		~~1099~~ 1133
9	Y		24.7 / 23.9	24.2	5.3	18.9		1066
10	B&W	11:27	24.0 / 22.7	23.1	5.3	17.8		1012
11	R		22.0 / 20.2	20.8	5.3	15.5		957
12	Y		22.0 / 20.2	20.8	5.3	15.5		954
13	B&W	11:30	22.0 / 21.0	21.3	5.3	16.0		976
14	R		20.5 / 19.5	19.8	5.3	14.5		900
15	Y		20.0 / 17.7	18.5	5.3	13.2		860
16	B&W	11:33	19.0 / 16.5	17.3	5.4	11.9		842
17	R		16.8 / 16.0	16.3	5.4	10.9		796
18	Y		16.0 / 14.5	15.0	5.4	9.6		747
19	B&W	11:35	15.0 / 14.0	14.3	5.4	8.9		~~699~~ 705
20	R		14.2 / 12.7	13.2	5.4	7.8		665

Begin 200+00 S

Profile No. ____ Date ____ Notes Red No. ____ Date ____ Plotted ____ Date ____ Job No. 8412 Division No. ____ Survey of ____ Date ____ Map No. ____ Date ____ Checked by J. Johnson

F. B. 1886 PG. 127

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		200+00S
#	Color	Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
21	Y		13.2 12.0	12.4	5.4	7.0	649
22	B&W	11:37	13.1 11.0	11.7	5.4	6.3	606
23	R		12.0 10.6	11.1	5.4	5.7	569
24	Y		11.0 9.6	10.1	5.4	4.7	537
25	B&W	11:39	9.5 7.9	8.4	5.4	3.0	511

Boat 200+00S

F. B. 1886 Pg. 128 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by Notes CEM 9/28/53 Notes Chkd. Checked
Indexed K. C. Johnson Date Date 1/7/53 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RANGE 195+00 S

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
195+00 S S-11	1	B&W	11 51	90 00	1456
	2	R		90 00	1372
	3	Y		90 00	1352
	4	B&W	11 52	90 00	1308
	5	R		90 00	1259
	6	Y		90 00	1205
	7	B&W	11 54	90 00	1165
	8	R		90 00	1127
	9	Y		90 00	1070
	10	B&W	11 56	90 00	1037
	11	R		90 00	1005
	12	Y		90 00	979
	13	B&W.	11 57+	90 00	934
	14	R		90 00	904
	15	Y		90 00	879
	16	B&W	11 59	90 00	855
	17	R		89 48	~~835~~ 840
	18	Y		90 00	805
	19	B&W	12 03+	90 00	781
	20	R		90 00	741

Profile Notes Red. ____ Plotted ____ Job No. 84/12 Division No. ____ F. B. 1886 PG. 129

No. ____ Date ____ Date ____ Survey of ____

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

RANGE 195+00 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
		21	Y		90° 00		
		22	B&W	12 04	90° 00		
		23	R		90° 00		
		24	Y		90° 00		
		25	B&W	12 05	90 00		
		26	R		90 00		
		27	Y		90 00		
		28	B&W	12 14	90 00		
		29	R		90 00		
		30	Y		90 00		
		31	B&W	12 18	90 00		
		32	R		90 00		
		33	Y		90 00		
		34	B&W	12 19	90 00		

RANGE 195 TOO S

F. B. 1886 Pg. 130 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by Blanchard Notes FHB Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

195+00S

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	11:50	31.7 30.4	30.8	5.4	25.4	1456
2	R		30.0 29.0	29.3	5.4	23.9	1372
3	Y		29.9 28.6	29.0	5.4	23.6	1352
4	B&W	11:52	30.0 28.0	28.7	5.4	23.3	1308
5	R		28.3 27.2	27.6	5.4	22.2	1259
6	Y		28.9 25.9	26.9	5.4	21.5	1205
7	B&W	11:54	26.9 25.5	26.0	5.5	20.5	1165
8	R		26.6 24.5	25.2	5.5	19.7	1127
9	Y		24.9 24.0	24.3	5.5	18.8	1070
10	B&W	11:55	25.6 23.0	23.9	5.5	18.4	1037
11	R		23.1 22.0	22.4	5.5	16.9	1005
12	Y		23.1 21.9	22.3	5.5	16.8	979
13	B&W	11:57	21.8 20.0	20.6	5.5	15.1	934
14	R		21.0 18.5	19.3	5.5	13.8	904
15	Y		19.4 18.5	18.8	5.5	13.3	879
16	B&W	11:58	19.0 18.0	18.3	5.5	12.8	855
17	R		18.1 17.0	17.4	5.5	11.9 *	840
18	Y		17.9 16.0	16.6	5.5	11.1	805
19	B&W	12:01	16.6 15.5	15.9	5.5	10.4	781
20	R		16.0 14.5	15.0	5.5	9.5	741

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1886 PG. 133

No. Date Date Survey of Beach Erosion Study

No. Notes Chkd. Checked Survey By Notes Date

No. Date Date Map No. Date

Coal 195+00S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 134 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by Notes CEM 9/28/53 Notes Chkd. Checked
Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		195+00 S
#	Color Time	Meas. Depth	Bottom	Ht. Tide	Adj. Depth	Remarks
21	Y	15.6	14.7	5.5	9.2	719
22	BEW 12:03	14.3	14.2	5.5	8.7	699
23	R	15.1	13.6	5.5	8.1	675
24	Y	13.7	13.4	5.5	7.9	646
25	BEW 12:04	12.5	12.4	5.5	6.9	625
26	R	13.1	12.4	5.5	6.9	602
27	Y	12.1	11.3	5.5	5.8	564
28	BEW 12:13	14.5	13.0	5.5	7.5	635
29	R	11.4	12.6	5.5	7.1	617
30	Y	12.4	12.1	5.5	6.6	593
31	BEW 12:17	10.8	10.6	5.5	5.1	535
32	R	14.0	9.7	5.5	4.2	520
33	Y	12.5	8.7	5.5	3.2	499
34	BEW 12:18	13.8	8.0	5.5	2.5	479
		12.0				
		13.0				
		11.6				
		11.7				
		10.0				
		10.8				
		9.2				
		10.0				
		8.0				
		10.0				
		7.0				

Boat 195+00 S

F. B. _____ PG. 120

Map No. _____ W. O. _____ Tape No. _____ Sp'd. _____ °F

Office Work _____ Surveyed by _____

Checked _____ Notes _____ Date _____

Date _____ Indexed _____

TIDE CHART

STANDARD TIME SEPT. 29, 1953

HOUR	TIDE
5:00	3.7
5:30	3.6
6:00	3.6
6:30	3.5
7:00	3.4
7:30	3.4
8:00	3.5
8:30	3.5
9:00	3.6
9:30	3.8
10:00	3.9
10:30	4.1
11:00	4.3
11:30	4.5
12:00	4.6
12:30	4.8
1:00	5.0

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1886 PG. 136

TIDE GAGE

STANDARD TIME SEPT 30 1953

HOUR	TIDE
5:00	4.0
5:30	4.1
6:00	4.0
6:30	3.9
7:00	3.9
7:30	3.8
8:00	3.7
8:30	3.6
9:00	3.5
9:30	3.4
10:00	3.4
10:30	3.5
11:00	3.6
11:30	3.8
12:00	3.9

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

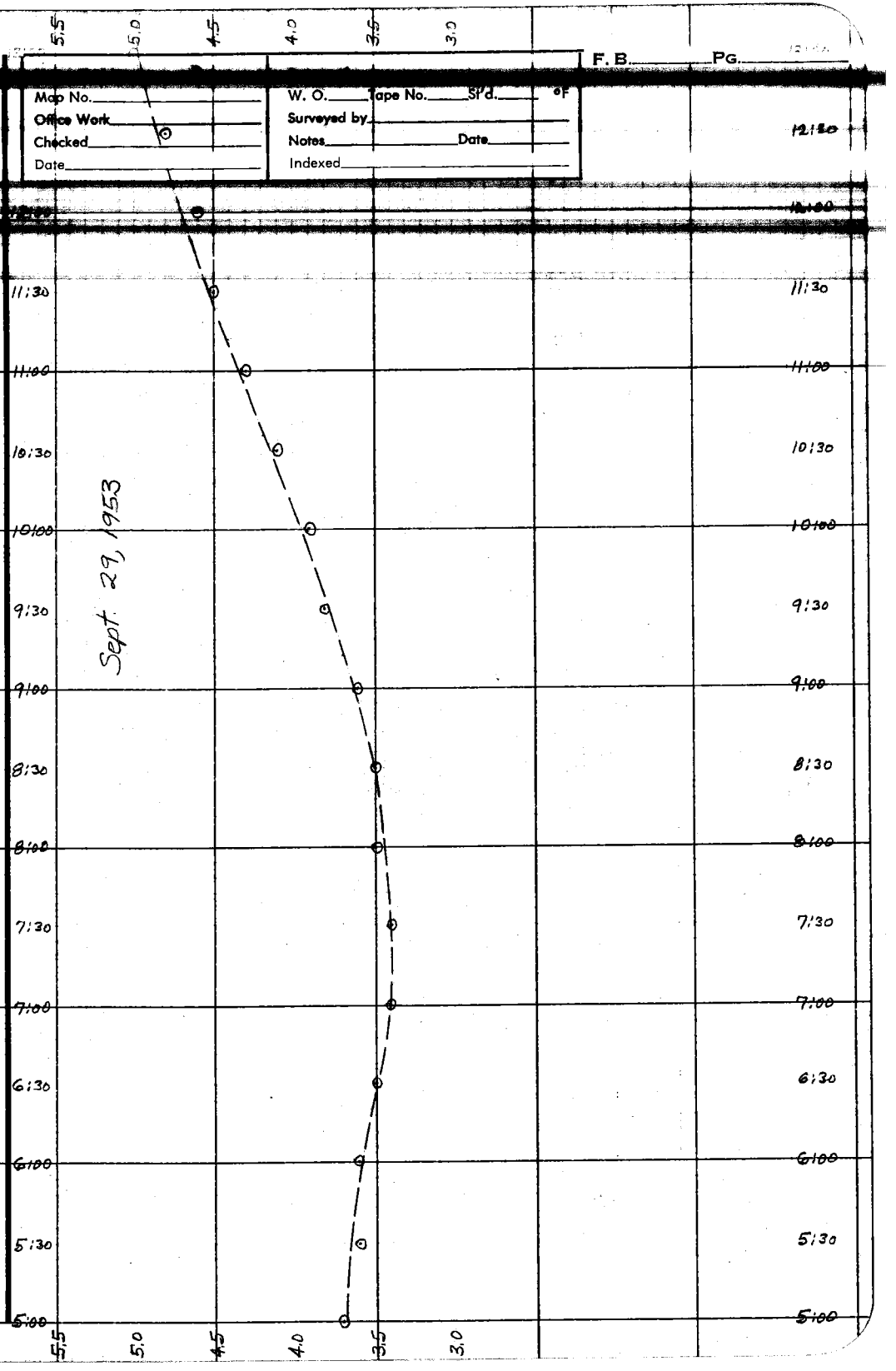
Do not extend notes this side of this line.

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

F. B. _____ PG. _____

Map No. _____
Office Work _____
Checked _____
Date _____

W. O. _____ Tape No. _____ Sp'd. _____ °F
Surveyed by _____
Notes _____ Date _____
Indexed _____



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

Do not extend notes this side of this line.

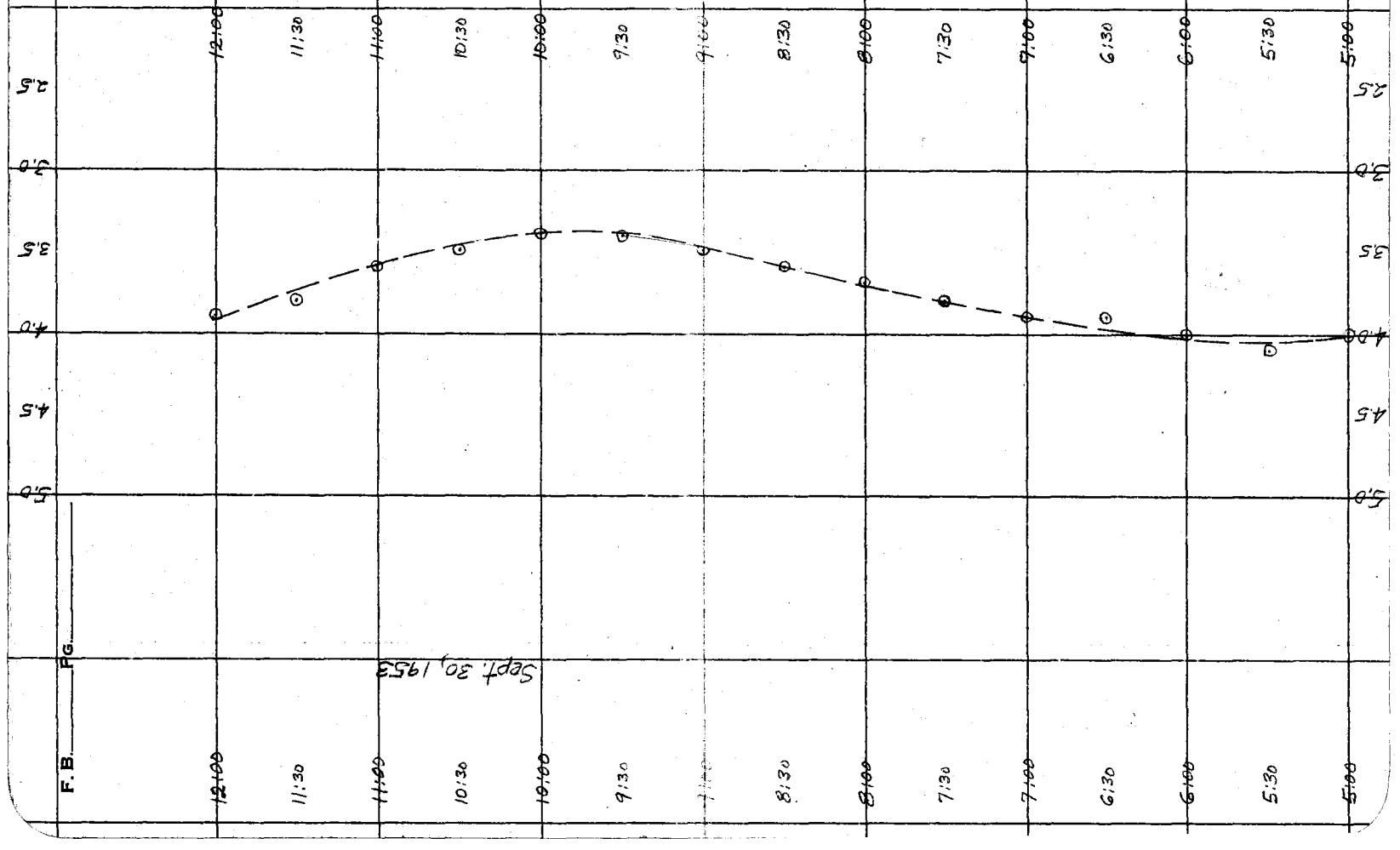
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 4-53

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.



76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Range 190+00 S

STATION Inst. At	Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
190+00	5-10	1		B&W	6:05	90° 00'	
		2		R		90° 00'	
		3		Y		90° 00'	
		4		B&W	6:11	90° 00'	
		5		R		90° 00'	
		6		Y		90° 00'	
		7		B&W	6:16	90° 00'	
		8		Y		90° 00'	
		9		Y		90° 00'	
		10		B&W	6:21	90° 00'	
		11		R		90° 00'	
		12		Y		90° 00'	
		13		B&W	6:24	90° 00'	
		14		R		90° 00'	
		15		Y		90° 00'	
		16		B&W	6:28	90° 00'	
		17		R		90° 00'	
		18		Y		90° 20'	
		19		B&W	6:31	90° 00'	
		20		R		90° 00'	

Range 190+00

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1881 PG. 137

No. Date Date Map No. Date

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. PG. 138 Job No. Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes Chkd. Checked X-Sec.
Indexed Notes Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 190+00 S	190+00 S
Inst. At / Sight On	#	Color	Time	Hor. Ang.		Remarks
190+00 S	21	Y				
	22	B+W	6.34	9 [illegible]		
	23	R		[illegible]		
	24	Y		[illegible]		
	25	B+W	6.36	[illegible]		
	26	R		[illegible]		
	27	Y		9 [illegible]		
	28	B+W	6.40	[illegible]		
	29	R		9 [illegible]		

RANGE 190+00S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		CUTIN 190+00
Inst. Sight At On		# Color	Time	Hor. Ang.	Remarks	
185+00 S10	1	B&W	6 06	73° 40		
	2	R		73° 24		
	3	Y		72° 36		
	4	B&W	6 11	71° 20		
	5	R		70° 06		
	6	Y		68° 56		
	7	B&W	6 17	68° 16		
	8	R		67° 36		
	9	Y		66° 31		
	10	B&W	6 21	65° 08		
	11	R		64° 25		
	12	Y		63° 24		
	13	B&W	6 25	62° 48		
	14	R		61° 57		
	15	Y		61° 08		
	16	B&W	6 28	60° 29		
	17	R		59° 28		
	* 18	Y		58° 41		
	19	B&W	6 31	57° 32		
	20	R		56° 18		

Profile Notes Red. ____ Plotted ____ Job No. 2417 Division No. ____ F. B. 1886 Pg. 139

No. ____ Date ____ Date ____ Map No. ____ Kindred Johnson Date ____

CUT IN 190+00

F. B. 1886 Pg. 140 Job No. 8412 Division No. ______ Notes Red. ______ Plotted ______ Profile

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

Survey by E H B Notes J S Notes Chkd. ______ Checked ______ X-Sec.

Indexed ______ Date Sept 29/53 Date ______ Date ______ No. ______

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
185+00	S10	21	Y		53 15	cut in 190+00
		22	B+W	6 34	53 18	
		23	R		52 33	
		* 24	Y		[illegible] 33	
		25	B+W	6 37	52° 16	
		26	R		51° 07	
		27	Y		49° 50	
		28	B+W	6 40	48° 28	
		29	R		46° 51	

Cut in 190+00S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	190+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	6:06	31.3 30.0	30.4	3.6	26.8	1796 motor failed; this range
2	R		31.2 29.9	30.3	3.6	26.7	1677 was rowed
3	Y		30.1 29.4	29.6	3.6	26.0	1596
4	B&W	6:11	30.1 28.9	29.3	3.6	25.7	1480
5	R	113	28.6 27.5	27.9	3.5	24.4	1381
6	Y	115	26.2 25.4	25.7	3.5	22.2	1298
7	B&W	6:17	25.6 24.5	24.9	3.5	21.4	1254
8	R		24.8 24.0	24.3	3.5	20.8	1213
9	Y		24.4 23.5	23.8	3.5	20.3	1151
10	B&W	6:21	23.1 22.0	22.4	3.5	18.9	1079
11	R		22.1 21.0	21.4	3.5	17.9	1044
12	Y		21.6 19.7	20.3	3.5	16.8	998
13	B&W	6:24	20.9 19.4	19.9	3.5	16.4	973
14	R		19.8 18.0	18.6	3.5	15.1	938
15	Y		18.0 16.9	17.3	3.5	13.8	907
16	B&W	6:28	17.6 16.5	16.9	3.5	13.4	883
17	R		16.9 15.9	16.2	3.5	12.7	848
18	Y		16.0 14.5	15.0	3.5	11.5	~~822~~ 815
19	B&W	6:31	14.4 13.9	14.1	3.5	10.6	786
20	R		14.0 12.9	13.3	3.5	9.8	750

Boat 190+00S

Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. ____ Survey of ____ Division No. ____ Map No. ____ Date ____

F. B. 1886 PG. 141

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			190+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		14.2 12.0 13.0	12.7	3.5	9.2		734
22	B&W	6:34	11.7	12.1	3.5	8.6		687
23	R		11.1 10.3	←			void	641
24	Y		12.0 10.9	11.3	3.5	7.8		~~637~~ 639
25	B&W	6:37	12.0 10.4	10.9	3.5	7.4		646
26	R		11.1 10.0	10.4	3.5	6.9		620
27	Y		11.8 9.0	9.9	3.5	6.4		592
28	B&W	6:40	11.0 9.0	9.7	3.5	6.2		664
29	R		10.0 8.0	8.7	3.5	5.2		533

Boat 190+00S

F. B. 1886 Pg. 142 Job No. Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes Chkd. Checked X-Sec.
Indexed Date Date 1-16-54 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range 185+00 S
Inst. At	Sight On	# Color	Time	Hor. Ang.	Remarks
185+00 5-10	1	B & W	6:57	90°00	
	2	R		29°51	
	3	Y		90°00	
	4	B & W	7:03	90°00	
	5	R		90°00	
	6	Y		90°00	
	7	B & W	7:09	90°00	
	8	R		90°00	
	9	Y		90°00	
	10	B & W	7:13	90°00	
	11	R		90°00	
	12	Y		90°00	
	13	B & W	7:19	90°00	
	14	R		90°00	
	15	Y		90°00	
	16	B & W	7:24	90°00	
	17	R		90°00	
	18	Y		90°00	
	19	B & W	7:28	90°00	
	20	R		90°00	

Range 185+00 S

Profile Notes Red.____ Plotted____ Job No.____ Division No.____ F. B. 155 Pg. 143

No.____ Date____ Date____ Map No.____ Date____

F. B. 1886 Pg. 144 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by F.H.B. Notes TM Notes Chkd. _____ Checked _____ X-Sec.

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

RANGE 185+00S

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
S-10					
	27				
	32				
	40				

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

CUTIN 185+00

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At 180+00	On S 10	# Color	Time	Hor. Ang.		Remarks
	1	B&W	6 58	75° 13		
	* 2	R		75° 08		
	3	Y		75° 12		
	4	B&W	7 03	74° 53		
	5	R		74° 25		
	6	Y		74° 15		
	7	B&W	7 09	73° 33		
	8	R		73° 06		
	9	Y		72° 29		
	10	B&W	7 14	72° 03		
	11	R		71° 48		
	12	Y		70° 53		
	* 13	B&W	7 19	70° 09		
	14	R		69° 26		
	15	Y		68° 39		
	* 16	B&W	7 24	68° 04		
	17	R		67° 25		
	18	Y		66° 30		
	19	B&W	7 29	65° 56		
	20	R		64° 47		

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 145

No. ____ Date ____ Date ____ Survey of ____

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

Cut in 185+00

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	CUT IN 185+00
180+00	S10	* 21	Y		64° 01		
		22	B+W	7 33	63° 01		
		23	R		62° 09		
		24	Y		61° 03		
		25	B+W	7 37	60° 08		
		26	R		59° 29		
		27	Y		60° 53		
		28	B+W	7 42	59° 12		
		29	R		58° 24		
		30	Y		58° 14		
		31	B+W	7 46	57° 29		
		32	R		55° 16		
		33	Y		53° 31		
		34	B+W	7 51	52° 08		
		35	R		50° 49		
		36	Y		49° 58		
		37	B+W	7 54	48° 32		
		38	R		48° 45		
		39	Y		49° 29		
		40	B+W	7 58	49° 58		

CUT IN 185+00 S

F. B. 1886 Pg. 146
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Bezel Erouyn Studies Date Date No.
Survey E.H.B. Notes JS Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Sept 29/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		185+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	6:57	34.0 31.9	32.6	3.4	29.2		1895 This range was rowed
2	R		33.8 31.7	32.4	3.4	29.0	*	~~1884~~ 1902
3	Y		33.0 32.0	32.3	3.4	28.9		1892
4	B&W	7:03	32.8 31.5	31.9	3.4	28.5		1851
5	R		32.4 30.9	31.4	3.4	28.0		1793
6	Y		32.0 31.0	31.3	3.4	27.9		1773
7	B&W	7:09	31.3 29.5	30.1	3.4	26.7		1693
8	R		30.8 30.0	30.3	3.4	26.9		1646
9	Y		30.1 28.5	29.0	3.4	25.6		1584
10	B&W	7:13	29.7 27.9	28.5	3.4	25.1		1543
11	R		29.4 28.0	28.5	3.4	25.1		1521
12	Y		28.5 27.5	27.8	3.4	24.4		1443
13	B&W	7:19	28.4 26.5	27.1	3.4	23.7	*	~~1385~~ 1375
14	R		27.2 26.0	26.4	3.4	23.0		1333
15	Y		26.1 25.0	25.4	3.4	22.0		1279
16	B&W	7:24	26.0 24.6	25.1	3.4	21.7	*	~~1242~~ 1232
17	R		25.0 24.0	24.3	3.4	20.9		1202
18	Y		24.4 23.0	23.5	3.4	20.1		1150
19	B&W	7:28	23.8 22.6	23.0	3.4	19.6		1120
20	R		22.4 21.5	21.8	3.4	18.4		1062

Boat 185+00S

Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. ____ Survey of ____ Division No. ____

No. ____ Date 1-15-54 Date ____ Map No. ____ Index ____ Date ____

F. B. 1886 Pg. 147

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			185+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		21.5 20.6	20.9	3.4	17.5	*	~~1026~~ 1039 This range was rowed
22	B&W	7:33	21.0 20.0	20.3	3.4	16.9		982
23	R		20.0 18.6	19.1	3.4	15.7		946
24	Y		20.5 18.5	19.2	3.4	15.8		916
25	B&W	7:38	18.0 16.6	17.1	3.4	13.7		876
26	R		16.9 15.2	15.8	3.4	12.4		848
27	Y		17.9 16.9	17.2	3.4	13.8		898
28	B&W	7:42	16.7 15.3	15.8	3.4	12.4		839
29	R		16.0 13.8	14.5	3.4	11.1		813
30	Y		15.9 14.0	14.6	3.4	11.2		807
31	B&W	7:47	15.0 13.2	13.8	3.4	10.4		774
32	R		13.8 12.2	12.7	3.4	9.3		721
33	Y		14.0 11.0	12.0	3.4	8.6		676
34	B&W	7:51	12.5 10.5	11.2	3.4	7.8		643
35	R		12.5 10.1	10.9	3.4	7.5		613
36	Y		10.9 10.0	10.3	3.4	6.9		595
37	B&W	7:54	11.0 9.5	10.0	3.4	6.6		566
38	R		11.0 9.0	9.7	3.4	6.3		570
39	Y		10.9 9.5	10.0	3.4	6.6		585
40	B&W	7:58	11.1 9.9	10.3	3.4	6.9		595

Boat 185+00S

F. B. 1886 Pg. 108
Job No. Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes Checked
Indexed C. Johnson Date Date 1-15-54 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Range	180+[illegible]
Inst. Sight At	On	# Color	Time	Hor. Ang.	Remarks	
180+[illegible]	S-10 1	[illegible]	8:[illegible]	[illegible]		
	2	R		90°00		
	3	Y		90°00		
	4	[illegible]	8:15	90°00		
	5	[illegible]		90°00		
	[illegible]	Y		90°00		
	7	[illegible]	8:[illegible]	90°00		
	[illegible]	[illegible]		90°00		
	[illegible]	Y		90°00		
	[illegible]	[illegible]	8:25	90°00		
	[illegible]	R		90°00		
	[illegible]	Y		90°00		
	[illegible]	[illegible]	8:26	[illegible]		
	[illegible]	R		[illegible]		
	[illegible]	Y		90°00		
	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]		90°00		
	[illegible]	Y		90°00		
	[illegible]	[illegible]	8:32	90°00		
	[illegible]	R		90°00		

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ PG. 199

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

Notes Chkd. ____ Checked ____ Survey By ____ Notes ____ Date ____

Range 180+[illegible]

F. B. 1886 Pg. 150 | Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of [illegible] Date _____ Date _____ No. _____

Survey by E. B. Notes TM Notes Chkd. _____ Checked _____ X-Sec.

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

RANGE 180+00S

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298 307 4-50

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red. ____ Plotted ____ Job No. 5412 Division No. ____ F. B. 1886 Pg. 15/1

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ Date ____ Map No. ____ Add Johnson Date ____

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	cutin 180+00
190+00	S9	1	B+W	8 10	62° 45		
		2	R		61° 32		
		3	Y		60° 18		
		4	B+W	8 16	59° 28		
		5	R		57° 43		
		6	Y		56° 22		
		* 7	B+W	8 19	54° 49		
		8	R		53° 12		
		9	Y		51° 24		
		10	B+W	8 23	50° 00		
		11	R		48° 46		
		12	Y		47° 43		
		13	B+W	8 26	45° 52		
		14	R		44° 50		
		15	Y		43° 33		
		16	B+W	8 29	42° 34		
		17	R		40° 56		
		18	Y		39° 48		
		19	B+W	8 31	38° 08		
		20	R		37° 29		

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		CUT IN 180+00
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
190+00 S9	21	Y		36° 3		
	22	Btw	8 35	34° 49		
	23	R		33° 30		
	24	Y		32° 11		
	25	Btw	8 37	31° 32		
	26	R		30° 11		
	27	Y		28° 46		
	28	Btw	8 40	26° 55		

Cut In 180+00 S

F. B. 1886 Pg 152 Job No. 8912 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by EHB Notes JS Notes Chkd. Checked
Indexed C. Johnson Date Sept 29/50 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	180+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	8:10	33.9 32.8	33.2	3.5	29.7	1942 motor failed; this [illegible]
2	R		32.4 31.5	31.8	3.5	28.3	1844 was rowed
3	Y		32.6 30.0	30.9	3.5	27.4	1753
4	B&W	8:15	31.7 30.0	30.6	3.5	27.1	1695
5	R		30.8 29.0	29.6	3.5	26.1	1583
6	Y		30.0 28.6	29.1	3.5	25.6	1503
7	B&W	8:19	29.4 27.5	28.1	3.5	24.6	~~1418~~ 1424
8	R		27.7 26.6	27.0	3.5	23.5	1337
9	Y		26.7 25.0	25.6	3.5	22.1	1253
10	B&W	8:23	25.4 23.6	24.2	3.5	20.7	1192
11	R		24.3 22.8	23.3	3.5	19.8	1140
12	Y		23.0 22.5	22.7	3.5	19.2	1100
13	B&W	8:26	22.5 21.0	21.5	3.5	18.0	1030
14	R		20.3 19.1	19.5	3.5	16.0	994
15	Y		20.4 18.9	19.4	3.5	15.9	951
16	B&W	8:29	19.2 18.0	18.4	3.5	14.9	918
17	R		17.6 16.5	16.9	3.5	13.4	867
18	Y		17.3 15.5	16.1	3.5	12.6	833
19	B&W	8:32	16.0 14.5	15.0	3.5	11.5	785
20	R		15.8 13.0	13.9	3.5	10.4	767

Boat 180+00S

Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. ____ Survey of ____ Division No. ____ Map No. ____ Date ____ Date ____

F. B. 1886 Pg 153

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 154 Job No. Division No. Notes Red Plotted Profile
Date Date No.
Notes Chkd. Checked X-Sec.
Date Date No.
Notes Date
Survey of
Survey by C. Johnson
Indexed

STATION	B. S.	H. I.	F. S.	ELEV.		180+00S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
		14.7				
21 Y		13.0	13.6	3.5	10.1	732
		14.1				
22 BEW	8:35	12.9	13.3	3.5	9.8	695
		13.0				
23 R		12.0	12.3	3.5	8.8	662
		12.4				
24 Y		10.7	11.3	3.5	7.8	630
		12.2				
25 BEW	8:37	10.0	10.7	3.5	7.2	614
		11.5				
26 R		9.4	10.1	3.5	6.6	582
		11.0				
27 Y		9.0	9.7	3.5	6.2	549
		9.7				
28 BEW	8:39	8.0	8.6	3.5	5.1	508

Boat 180+00S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Range 175+00 - S

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
175+00	S-9	1	B & W	8:54	90°00	
		2	R		[illegible]	
		3	Y		90°00	
		4	B & W	8:58	90°00	
		5	R		90°00	
		6	Y		90°00	
		7	B & W	9:03	90°00	
		8	R		89°54	
		9	Y		90°00	
		10	B & W	9:05	90°06	
		11	R		90°00	
		12	Y		90°00	
		13	B & W	9:08	90°00	
		14	R		90°00	
		15	Y		90°00	
		16	B & W	9:10	90°00	
		17	R		90°00	
		18	Y		90°00	
		19	B & W	9:12	90°00	
		20	R		90°00	

Profile Notes Red.____ Plotted____ Job No.____ Division No.____ F. B. Pg. 155

No.____ Date____ Date____ Map No.____ Date____

Notes Chkd.____ Checked____ Survey by____

Range 175+00 S

F. B. 1886 Pg. 156 | Job No. 842 | Division No. | Notes Red. | Plotted | Profile

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

Survey by E.H.S. | Notes T.N. | Notes Chkd. | Checked | X-Sec.

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

Range 175+00S

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L.298 307 4-50

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red.____ Plotted____ Job No. 8412 Division No.____ F. B. 1886 PG. 157

No.____ Date____ Date____ Map No.____ Indexed____ Date____

Notes Chkd.____ Checked____ Survey by____

Cut in 175+00

STATION Inst. Sight At	Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
165+00	S.9	1		B+W	8 54	59° 30	
		* 2		R		57° 40	
		3		Y		56° 10	
		4		B+W	8 59	54° 44	
		5		R		52° 28	
		6		Y		51° 19	
		7		B+W	9 03	50° 02	
		* 8		R		49° 17	
		9		Y		48° 19	
		* 10		B+W	9 06	47° 08	
		11		R		46° 02	
		12		Y		44° 59	
		13		B+W	9 08	44° 10	
		14		R		43° 14	
		15		Y		42° 21	
		16		B+W	9 10	41° 35	
		17		R		40° 48	
		18		Y		40° 15	
		19		B+W	9 13	39° 20	
		20		R		38° 18	

Cut in 175+00

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	M. I.	F. S.	ELEV.		cut in 175+06
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
165+00	59	21	Y		37° 36		
		22	B+W	9 15	36° 31		
		23	R		35° 41		
		24	Y		34° 25		
		25	B+W	9 17	33° 18		
		26	R		32° 12		
		27	Y		30° 58		
		28	B+W	9 19	29° 24		
		29	R		27° 48		
		30	Y		27° 24		
		* 31	B+W	9 21	25° 53		

Cut In 175+00 S

F. B. 1886 Pg. 158 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach & Erosion Studies Date Date No. X-Sec.
Survey by EHB Notes JS Notes Chkd. Checked
Indexed C. Johnson Date Sept 29/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	175+00 S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	8:54	31.9 / 30.2	30.8	3.6	27.2	motor failed; this line	1698
2	R		31.0 / 29.8	30.2	3.6	26.6	was rowed	~~1580~~ 1582
3	Y		30.6 / 29.0	29.5	3.6	25.9		1492
4	B&W	8:59	30.7 / 28.6	29.3	3.6	25.7		1414
5	R		27.9 / 26.9	27.2	3.6	23.6		1302
6	Y		27.0 / 25.9	26.3	3.6	22.7		1249
7	B&W	9:03	26.0 / 24.9	25.3	3.6	21.7		1193
8	R		26.0 / 24.5	25.0	3.6	21.4		~~1162~~ 1164
9	Y		25.0 / 23.6	24.1	3.6	20.5		1123
10	B&W	9:06	24.1 / 23.0	23.4	3.6	19.8		~~1077~~ 1075
11	R		23.7 / 22.0	22.6	3.7	18.9		1037
12	Y		23.0 / 20.6	21.4	3.7	17.7		999
13	B&W	9:08	21.4 / 19.0	19.8	3.7	16.1		971
14	R		20.1 / 19.0	19.4	3.7	15.7		940
15	Y		19.4 / 18.5	18.8	3.7	15.1		912
16	B&W	9:10	18.7 / 17.9	18.2	3.7	14.5		887
17	R		18.0 / 17.0	17.3	3.7	13.6		863
18	Y		18.0 / 16.8	17.2	3.7	13.5		847
19	B&W	9:13	17.1 / 16.0	16.4	3.7	12.7		819
20	R		17.0 / 15.0	15.7	3.7	12.0		790

Boat 175+00 S

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

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

F. B. 1888 Pg. 159

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 160 | Job No. | Division No. | Notes Red. | Plotted | Profile
Survey of | Date | Date | No.
Survey by | Notes | Notes Chkd. | Checked | X-Sec.
Indexed | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		175+00S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21 Y		16.1				
		15.0	15.4	3.7	11.7	770
22 B&W	9:15	15.1				
		14.0	14.4	3.7	10.7	740
23 R		14.3				
		13.0	13.4	3.7	9.7	718
24 Y		14.1				
		13.0	13.4	3.7	9.7	685
25 B&W	9:17	14.2				
		12.0	12.7	3.7	9.0	657
26 R		13.5				
		11.5	12.2	3.7	8.5	630
27 Y		12.7				
		11.4	11.8	3.7	8.1	600
28 B&W	9:19	11.1				
		10.0	10.4	3.7	6.7	563
29 R		11.0				
		9.7	10.1	3.7	6.4	527
30 Y		10.6				
		9.4	9.8	3.7	6.1	518
31 B&W	9:21	8.6				
		7.5	7.9	3.7	4.2	~~485~~ 486

Boat 175+00S

76L288 307 10-51

9

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	170+00 - S.
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
170+00 S-9	1	B & W	9:51	90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B & W	9:54	90°00		
	5	R		89°46		
	6	Y		90°00		
	7	B & W	9:57	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	9:59	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	10:01	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	10:02	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	10:04	90°00		
	20	R		90°00		

RANGE 170+00 S

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

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

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

F.B. [illegible] PG. 161

F.B. 1886 Pg 162 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDY Date _____ Date _____ No. _____

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

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

RANGE 170+00 S

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY

ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	RANGE	170+00-S.
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
170+00 S-9	21	Y		00		
	22	B & W	10:05	00		
	23	R		00		
	24	Y		00		

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red.____ Plotted____ Job No. 8412 Division No.____ F. B. 1836 Pg. 183

X-Sec. Notes Chkd.____ Checked____ Survey By____ Notes____ Date____

No.____ Date____ Date____ Map No.____ Indexed____ Date____

Cut in 170+00

STATION Inst. Sight At	On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
180+00	S-8	1		B+W	9 51	54° 35	
		2		R		52° 49	
		3		Y		50° 32	
		4		B+W	9 54	48° 36	
		* 5		R		47° 23	
		6		Y		45° 02	
		7		B+W	9 57	46° 01	
		8		R		44° 30	
		9		Y		43° 18	
		10		B+W	9 59	41° 46	
		11		R		40° 26	
		12		Y		39° 14	
		13		B+W	10 01	37° 36	
		14		R		36° 11	
		15		Y		35° 52	
		16		B+W	10 02	33° 35	
		17		R		32° 44	
		18		Y		31° 34	
		19		B+W	10 04	30° 10	
		20		R		28° 53	

F. B. 1886 Pg. 184 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of Beach Erosion Studies Date _____ Date _____ No. _____

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

Indexed [redacted] Date Sept 29/53 Date _____ Date _____ No. _____

Cut/N 170+00 S.

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.		Cut/N 170+00
180+00 SB	21	Y		27°38		
	22	B+W	10 05	26°35		
	23	R		26°28		
	24	Y		24°30		

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	170+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	9:51	29.7 28.0	28.6	3.9	24.7	1406 motor failed; this range
2	R		28.0 27.0	27.3	3.9	23.4	was rowed 1318
3	Y		28.0 26.0	26.7	3.9	22.8	1215
4	B&W	9:54	27.0 24.0	25.0	3.9	21.1	1134
5	R		25.0 23.5	24.0	3.9	20.1	~~1087~~ 1082
6	Y		22.8 19.9	20.9	3.9	17.0	1001
7	B&W	9:58	23.5 21.5	22.2	3.9	18.3	1036
8	R		22.0 20.5	21.0	3.9	17.1	982
9	Y		21.0 20.0	20.3	3.9	16.4	942
10	B&W	10:00	20.5 18.5	19.2	3.9	15.3	888
11	R		18.5 17.0	17.5	3.9	13.6	852
12	Y		18.0 17.0	17.3	3.9	13.4	817
13	B&W	10:01	17.0 15.6	16.1	3.9	12.2	770
14	R		15.5 14.5	14.8	3.9	10.9	731
15	Y		15.4 14.0	14.5	3.9	10.6	723
16	B&W	10:02	14.0 13.0	13.3	4.0	9.3	664
17	R		13.5 12.4	12.8	4.0	8.8	643
18	Y		13.0 12.0	12.3	4.0	8.3	614
19	B&W	10:04	13.1 11.0	11.7	4.0	7.7	581
20	R		12.1 11.0	11.4	4.0	7.4	552

Boat 170+00 S

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey by
Notes Chkd. Checked
No. Date 1-14-34 Date Map No. Date
F. B. 1886 PG. 165

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 PG. 166

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

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

Survey by ____ Notes ____ Date ____ Checked ____

Indexed ____ Date ____ Notes Chkd. ____ Date ____ No. ____

STATION	B. S.	H. I.	F. S.	ELEV.			170+00 S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
		11.2					
21 Y		10.8	10.9	4.0	6.9		524
22 B&W	10:06	11.0	10.3	4.0	6.3		500
		10.0					
23 R		10.0	9.0	4.0	5.0		498
		8.5					
24 Y		9.5	8.5	4.0	4.5		456
		8.0					

Boat 170+00 S

76L298 307 10-51

11

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	165+00-S
Inst. Sight	#	Color	Time	Hor. Ang.	Remarks	
165+00 S-9	1	B & W	10:23	90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B & W	10:25	90°06		
	5	R		90°00		
	6	Y		90°00		
	7	B & W	10:27	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	10:29	90°00		
	11	R		90°00		
	12	Y		89°48		
	13	B & W	10:31	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	10:33	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	10:34	90°00		
	20	R		90°00		

RANGE 165+00

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

F.B. [illegible] Pg. 167

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

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

76L298 307 10-51

PLEASE RETURN TO

12

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE 165+00 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
165+00	S-9	21	Y		00	
		22	B & W	10:35	00	
		23	R		00	
		24	Y		00	
		25	B & W	10:37	00	
		26	R		00	
		27	Y		00	
		28	B & W	10:38	00	
		29	R		23	
		30	Y		00	

Range 165+00 S

F.B. 1886 PG. 168 Job No. 8412 Division No. EROSION STUDY

Survey of BEACH

Survey by F.H.B. Notes T.M.

Indexed L. C. Johnson Date

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red.____ Plotted____ Job No. 2[illegible] Division No.____ F. B. 1886 Pg. 169

Notes Chkd.____ Checked____ Survey by____

No.____ Date____ Date____ Map No.____ Date____

Cut in 165+00

STATION Inst. At	Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
175+00	S8	1		B&W	10 23	57° 18	
		2		R		56° 22	
		3		Y		55° 23	
		* 4		B&W	10 25	54° 12	
		5		R		53° 37	
		6		Y		52° 51	
		7		B&W	10 27	51° 52	
		8		R		51° 11	
		9		Y		50° 09	
		10		B&W	10 29	48° 50	
		11		R		47° 57	
		* 12		Y		46° 55	
		13		B&W	10 31	45° 32	
		14		R		44° 43	
		15		Y		43° 25	
		16		B&W	10 32	42° 00	
		17		R		41° 03	
		18		Y		39° 55	
		19		B&W	10 34	38° 56	
		20		R		37° 57	

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	M. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
175+00	S 8	21	Y		36° 57		
		22	Btw	10 35	35° 58		
		23	R		34° 38		
		24	Y		33° 08		
		25	Btw	10 37	31° 40		
		26	R		30° 05		
		27	Y		28° 23		
		28	Btw	10 38	26° 37		
		* 29	R		24° 53		
		30	Y		23° 25		

Cut in 165+00

Cut in 165+00

F. B. 1886 Pg 170
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by EHB Notes Notes Chkd. Checked X-Sec.
Indexed [illegible] Date Sept 29/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	165+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	10:23	31.8 30.9	31.2	4.1	27.1	1558
2	R		30.9 30.0	30.3	4.1	26.2	1503
3	Y		30.2 29.2	29.5	4.1	25.4	1449
4	B&W	10:25	30.0 28.2	28.8	4.1	24.7	~~1387~~ 1391
5	R		29.0 27.9	28.3	4.1	24.2	1357
6	Y		28.5 27.0	27.5	4.1	23.4	1320
7	B&W	10:27	28.0 27.0	27.3	4.1	23.2	1274
8	R		27.0 26.5	26.7	4.1	22.6	1243
9	Y		27.3 26.0	26.4	4.1	22.3	1198
10	B&W	10:29	25.9 25.5	25.6	4.1	21.5	1144
11	R		25.5 24.6	24.9	4.1	20.8	1109
12	Y		24.9 23.7	24.1	4.1	20.0	~~1069~~ 1063
13	B&W	10:31	23.7 22.0	22.6	4.1	18.5	1019
14	R		22.7 21.7	22.0	4.1	17.9	990
15	Y		21.9 20.7	21.1	4.1	17.0	946
16	B&W	10:33	20.0 18.9	19.3	4.2	15.1	900
17	R		19.1 18.5	18.7	4.2	14.5	871
18	Y		18.4 17.0	17.5	4.2	13.3	837
19	B&W	10:34	17.8 17.0	17.3	4.2	13.1	808
20	R		18.0 15.3	16.2	4.2	12.0	780

Bowed this Range

Boat 165+00S

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
Notes Chkd. Checked Survey by
No. Date 1-15 Date Map No. Indexed Date
F. B. 1886 PG. 171

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		165+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		15.8 14.8	15.1	4.2	10.9	752
22	B&W	10:36	16.0? 14.9	15.3?	4.2	11.1?	726
23	R		15.9 14.0	14.6	4.2	10.4	691
24	Y		14.5 13.1	13.6	4.2	9.4	653
25	B&W	10:37	13.0 12.4	12.6	4.2	8.4	617
26	R		13.5 12.0	12.5	4.2	8.3	579
27	Y		12.4 11.0	11.5	4.2	7.3	540
28	B&W	10:38	12.8 10.5	11.3	4.2	7.1	501
29	R		10.0 9.0	9.3	4.2	5.1	~~464~~ 466
30	Y		9.6 7.6	8.3	4.2	4.1	433

Boat 165+00 S

F. B. 1886 Pg. 172 Job No. Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes Chkd. Checked X-Sec.
Indexed Date Date 1-15-54 Date No.

76L298 307 4-50

13

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

160+00-S

STATION Inst. At	Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
160+00	5-	8	1	B & W	10:57	90°00	
			2	R		90°00	
			3	Y		90°00	
			4	B & W	10:59	90°00	
			5	R		90°00	
			6	Y		90°00	
			7	B & W	11:00	90°00	
			8	R		90°00	
			9	Y		90°00	
			10	B & W	11:02	90°00	
			11	R		89°48	
			12	Y		90°00	
			13	B & W	11:04	90°00	
			14	R		89°48	
			15	Y		90°00	
			16	B & W	11:06	89°48	
			17	R		90°00	
			18	Y		90°00	
			19	B & W	11:07	90°00	
			20	R		90°00	

SANGE 160+00

Profile Notes Red. Plotted Job No. Division No.
Notes Chkd. Checked Survey By Notes Date
No. Date Date Map No. Date

F. B. 1886 Pg. 173

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	160+00 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
160+00	S-8	21	Y		[illegible]00		
		22	B & W	11:09	[illegible]		
		23	R		[illegible]		
		24	Y		[illegible]		
		25	B & W	11:10	[illegible]39		
		26	R		[illegible]		
		27	Y		[illegible]		
		28	B & W	11:12	[illegible]		

RANGE 160+00S

F. B. 1886 PG. 174

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

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

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

Indexed ____ Date ____ Date ____ Date ____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red.____ Plotted____ Job No. 5412 Division No.____ F. B. 1886 Pg. 175

No.____ Date____ Date____ Map No.____ Date____

Cut in 160+00

STATION Inst. Sight At	Inst. Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
152+60	S 8	1		B&W	10 58	61° 43	
		2		R		60° 53	
		3		Y		60° 26	
		4		B&W	10 59	59° 46	
		5		R		59° 03	
		6		Y		58° 21	
		7		B&W	11 00	57° 31	
		8		R		56° 19	
		9		Y		55° 35	
		10		B&W	11 02	54° 37	
		* 11		R		53° 46	
		12		Y		53° 01	
		13		B&W	11 04	51° 50	
		* 14		R		50° 30	
		15		Y		49° 24	
		* 16		B&W	11 06	47° 56	
		17		R		47° 11	
		18		Y		45° 42	
		19		B&W	11 07	44° 40	
		20		R		43° 08	

Cut in 160+00 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	cut in 160+00
152+60	S-8	21	Y		41° 08		
		22	B&W	11 09	39° 20		
		23	R		37° 10		
		24	Y		35° 13		
		* 25	B&W	11 10	33° 10		
		26	R		30° 29		
		27	Y		29° 38		
		28	B&W	11 12	28° 15		

Cut In 160+00 S

F. B. 1886 Pg. 176 Job No. 8410 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by EHB Notes 15 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Sept 29/57 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	S. S.	H. I.	F. S.	ELEV.	BOAT	160+005
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1 BEW	10:57	30.0 28.9	29.3	4.3	25.0	1375
2 R		28.7 27.5	27.9	4.3	23.6	1328
3 Y		28.0 27.2	27.5	4.3	23.2	1305
4 BEW	10:59	27.0 26.5	26.7	4.3	22.4	1270
5 R		26.8 26.0	26.3	4.3	22.0	1234
6 Y		26.2 25.0	25.4	4.3	21.1	1200
7 BEW	11:01	25.7 25.0	25.2	4.3	20.9	1163
8 R		25.0 23.8	24.2	4.3	19.9	1110
9 Y		24.9 23.8	24.2	4.3	19.9	1080
10 BEW	11:02	24.0 23.0	23.3	4.4	18.9	1042
11 R		23.0 21.9	22.3	4.4	17.9	~~1010~~ 1015
12 Y		22.1 21.7	21.8	4.4	17.4	983
13 BEW	11:04	21.0 20.2	20.5	4.4	16.1	941
14 R		21.1 19.1	19.8	4.4	15.4	~~898~~ 902
15 Y		19.6 18.6	18.9	4.4	14.5	864
16 BEW	11:06	19.2 18.0	18.4	4.4	14.0	~~820~~ 824
17 R		18.3 16.9	17.4	4.4	13.0	798
18 Y		16.9 16.2	16.4	4.4	12.0	759
19 BEW	11:07	16.4 15.3	15.7	4.4	11.3	731
20 R		15.7 14.4	14.8	4.4	10.4	693

THIS LINE WAS TURNED BY BOAT 160+005

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

No. ____ Date 1-15-74 Date ____ Map No. ____ Date ____

F. B. 1888 PG. 177

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		160+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		15.3 13.7	14.2	4.4	9.8	646
22	B&W	11:09	13.0 12.5	12.7	4.4	8.3	606
23	R		13.0 12.0	12.3	4.4	7.9	561
24	Y		12.0 11.3	11.5	4.4	7.1	522
25	B&W	11:10	11.9 10.5	11.0	4.4	6.6	~~484~~ 485
26	R		10.0 8.8	9.2	4.4	4.8	436
27	Y		8.6 7.9	8.1	4.4	3.7	421
28	B&W	11:12	8.5 6.0	6.8	4.4	2.4	395

Boat 160+00 S.

F. B. 1886 Pg. 178
Job No. Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date 1-14-54 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		152+60 - S
Inst. At	Sight On	#	# Color	Time	Hor. Ang.	Remarks
152+60	S-8	1	F & W	11:26	90°00	
		2	R		89°54	
		3	Y		90°00	
		4	B & W	11:27	90°00	
		5	R		90°00	
		6	Y		90°00	
		7	B & W	11:30	89°49	
		8	R		90°00	
		9	Y		90°00	
		10	B & W	11:31	90°00	
		11	R		90°00	
		12	Y		90°00	
		13	B & W	11:33	89°49	
		14	R		90°00	
		15	Y		90°00	
		16	B & W	11:35	90°00	
		17	R		90°00	
		18	Y		90°00	
		19	B & W	11:36	90°00	
		20	R		89°46	

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 179

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

F. B. 1856 PG. 180

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

Survey of BEACH EROSION STUDY Date ______ Date ______ No. ______

Survey by FHB Notes TM Notes Chkd. ______ Checked ______ X-Sec.

Indexed C. Johnson Date ______ Date ______ Date ______ No. ______

RANGE 152+60 S

Inst. At / Sight On (STATION)	# (B.S.)	Color (H.I.)	Time (F.S.)	Hor. Ang. (ELEV.)	Remarks
152+60 S-2	21	Y	16:38	[illegible]	
	22	B+W		[illegible]	
	23	R		[illegible]	
	24	Y	16:40	[illegible]	
	25	Y+W		[illegible]	
	26	R		[illegible]	
	27	Y		[illegible]	
	28	B+W	16:42	[illegible]	
	29	R		[illegible]	
	30	Y		[illegible]	
	31	S+W	16:44	[illegible]	

152+60 - S.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298/307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		CUT IN 152+6
Inst. At	Sight On	# Color	Time	Hor. Ang.		Remarks
142+50	S 8 1	B&W	11 26	53° 16		
	* 2	R		52° 15		
	3	Y		51° 20		
	4	B&W	11 27	50° 03		
	5	R		49° 07		
	6	Y		47° 56		
	* 7	B&W	11 29	46° 47		
	8	R		45° 43		
	9	Y		44° 26		
	10	B&W	11 31	43° 27		
	11	R		42° 23		
	12	Y		41° 45		
	* 13	B&W	11 32	41° 11		
	14	R		40° 19		
	15	Y		39° 17		
	16	B&W	11 35	37° 59		
	17	R		36° 58		
	18	Y		36° 09		
	19	B&W	11 36	34° 59		
	* 20	R		33° 50		

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

No. Date Date Date Map No. Date

Notes Chkd. Checked Survey of Indexed

Cut in 152+6 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		Cut In 152+60
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
142+50	58	21	Y		32 53		
		22	B+W	11 38	31 54		
		23	R		30 [illegible]		
		24	Y		29 9		
		25	B+W	11 39	[illegible]		
		26	R		2[illegible] 8		
		27	Y		2[illegible] 7		
		28	B+W	11 41	[illegible]		
		29	R		2[illegible]		
		30	Y		2[illegible] 5		
		31	B+W	11 43	2[illegible] 7		

Cut In 152+60S

F. B. 1886 Pg. 182 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by EHB Notes WS Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Sept 29/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	152+60 S

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	11:26	29.7 28.3	28.8	4.5	24.3	1353
2	R		28.5 27.5	27.8	4.5	23.3	~~1303~~ 1307
3	Y		28.1 27.0	27.4	4.5	22.9	1263
4	B&W	11:28	28.0 26.2	26.8	4.5	22.3	1206
5	R		27.9 25.0	26.0	4.5	21.5	1167 ✓
6	Y		25.2 24.0	24.4	4.5	19.9	1119 ✓
7	B&W	11:30	25.3 23.5	24.1	4.5	19.6	~~1075~~ ✓ 1079
8	R		24.4 23.0	23.5	4.5	19.0	✓ 1035
9	Y		22.5 21.7	22.0	4.5	17.5	990 ✓
10	B&W	11:31	22.2 20.9	21.3	4.5	16.8	✓ 957
11	R		21.6 19.1	19.9	4.5	15.4	922 ✓
12	Y		20.6 19.0	19.5	4.5	15.0	901
13	B&W	11:33	20.5 18.2	19.0	4.6	14.4	~~885~~ 886
14	R		19.5 17.9	18.4	4.6	13.8	857
15	Y		18.8 17.0	17.6	4.6	13.0	826
16	B&W	11:35	18.8 16.2	17.1	4.6	12.5	789
17	R		17.2 16.0	16.4	4.6	11.8	760
18	Y		17.2 15.5	16.1	4.6	11.5	738
19	B&W	11:37	16.0 15.0	15.3	4.6	10.7	707
20	R		16.0 14.6	15.1	4.6	10.5	~~677~~ 679

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____
No. ____ Date ____ Date ____ Map No. ____ Date ____
F. B. 1886 Pg. 183

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		152+60S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		16.0 14.8	15.2	4.6	10.6	653
22	B&W	11:38	16.0 13.8	14.5	4.6	9.9	629
23	R		15.0 13.0	13.7	4.6	9.1	601
24	Y		13.8 12.9	13.2	4.6	8.6	571
25	B&W	11:40	13.6 12.5	12.9	4.6	8.3	541
26	R		12.9 11.0	11.6	4.6	7.0	503
27	Y		12.0 10.4	10.9	4.6	6.3	484
28	B&W	11:42	11.8 10.0	10.6	4.6	6.0	457
29	R		10.6 10.0	10.2	4.6	5.6	431
30	Y		10.0 8.4	8.9	4.6	4.3	403
31	B&W	11:44	9.0 6.0	7.0	4.6	2.4	373

Bot 152+60 S

F. B. 1886 Pg. 184 Job No. 8412 Division No. Notes Red Plotted Profile
Survey of Date Date No.
Survey by EHBlanchard Notes CEM 9/29/53 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date 1-5-53 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	147+50 - 5
Inst. Sight At : On	#	# Color	Time	Hor. Ang.		Remarks
147+50	5-8 1	B+W	6:11	90°25		
	2	R		90°16		
	3	Y		90°00		
	4	B+W	6:33	90°00		
	5	R		90°05		
	6	Y		90°00		
	7	B+W	6:37	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B+W	6:43	90°00		
	11	R		10°11		
	12	Y		90°00		
	13	B+W	6:48	90°00		
	14	R		89°22		
	15	Y		89°47		
	16	B+W	6:55	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B+W	6:57	90°00		
	20	R		90°00		

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

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

Date ____ Map No. ____ [redacted] Date ____

F. B. Pg 85

F. B. 1826 Pg. 186 Job No. 8412 Division No. Notes Red. Plotted Profile

Survey of BEACH EROSION STUDY Date Date No.

Survey by PHB Notes TM Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

RANGE 147+50S

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	147+50 - S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
	21	Y				
	22	B+W				
	23	Y				
	24	Y				
	25	B+W				
	26	Y				
	27	Y				

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Cut-in 147+50-S

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
137+50	5-8	* 1	B&W	6:12	60°54	
		* 2	R		59°14	
		3	Y		58°11	
		4	B&W	6:33	56°39	
		* 5	R		55 33	
		6	Y		54°53	
		7	B&W	6:37	54° 21	
		8	R		52° 43	
		9	Y		50° 49'	
		10	B&W	6:43	49° 01'	
		* 11	R		47° 08	
		12	Y		45° 46'	
		13	B&W	6:48	45° 06	
		* 14	R		43° 26'	
		* 15	Y		41° 15	
		16	B&W	6:53	40° 02	
		17	R		39° 33	
		18	Y		38° 36	
		19	B&W	6 57	38° 05'	
		20	R		37° 04	

Cut-in 147+50 S

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1886 Pg. 187

No. ____ Date ____ Date ____ Survey of ____ Notes Chkd. ____ Checked ____ Survey by ____ No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	CUT-IN	147+50-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
137+50	S-8	21	Y		35° 37'		
		22	B&W	7:01	34 58		
		23	R		32 21		
		24	Y		28° 14'		
		25	B&W	7 08	26 12		
		26	R		24° 15		
		27	Y		22° 26		
		28	B&W				

CUT IN 147+50S

F. B. 1886 Pg. 3188 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by FHB Notes JRO Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	147+505
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
		34.3				
1 B&W	6:11	31.6	32.5	4.0	28.5	~~1797~~ 1775
		33.1				
2 R		31.0	31.7	4.0	27.7	~~1680~~ 1667
		31.9				
3 Y	6:16	29.2	30.1	4.0	26.1	1618
		32.1				
4 B&W	6:32	30.0	30.7	4.0	26.7	1519
		30.8				
5 R		28.8	29.5	4.0	25.5	~~1458~~ 1452
		29.9				
6 Y		27.0	28.0	4.0	24.0	1422
		28.2				
7 B&W	6:36	26.0	26.7	4.0	22.7	1394
		29.0				
8 R		27.0	27.7	3.9	23.8	1313
		28.3				
9 Y		26.0	26.8	3.9	22.9	1227
		26.0				
10 B&W	6:43	24.8	25.2	3.9	21.3	1151
		25.1				
11 R		23.0	23.7	3.9	19.8	~~1077~~ 1073
		24.1				
12 Y		22.2	22.8	3.9	18.9	1027
		23.8				
13 B&W	6:47	21.1	22.0	3.9	18.1	1003
		22.3				
14 R		20.2	20.9	3.9	17.0	~~947~~ 952
		20.9				
15 Y		18.8	19.5	3.9	15.6	~~877~~ 881
		19.0				
16 B&W	6:52	17.2	17.8	3.9	13.9	840
		19.0				
17 R		17.1	17.7	3.9	13.8	826
		18.5				
18 Y		16.3	17.0	3.9	13.1	798
		18.0				
19 B&W	6:56	16.0	16.7	3.9	12.8	784
		16.9				
20 R		15.0	15.6	3.9	11.7	755

Bad 14 Tides

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

F.B. 1886 Pg. 127

Notes Chkd. ____ Date 1-15-57 Checked ____ Date ____ Survey By ____ Date ____ Map No. ____ Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	147 + 50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		17.0 15.0	15.7	3.9	11.8	716
22	B&W	7:00	16.3 14.0	14.8	3.9	10.9	699
23	R		15.1 13.2	13.8	3.9	9.9	633
24	Y		14.5 12.0	12.8	3.9	8.9	537
25	B&W	7:07	13.2 11.0	11.7	3.9	7.8	492
26	R		11.5 9.8	10.4	3.9	6.5	450
27	Y		10.7 8.5	9.2	3.9	5.3	433

Boat 147+50S

F.B. 1886 Pg. 190 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by Blanchard Notes CEM 9/30/53 Notes Chkd. Checked
Indexed C. Johnson Date Date 1-15-54 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	142+50
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
	1	B+W		90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B+W	7:37	90°00		
	5	R		90°00		
	6	Y		90°00		
	7	B+W	7:39	90°00		
	8	R		90°00		
	9	Y		90°41		
	10	B+W	7:46	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B+W	7:48	90°00		
	14	R		90°17		
	15	Y		90°00		
	16	B+W	7:51	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B+W	7:53	90°00		
	20	R		90°00		

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

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

F. B. Pg. 192 Job No. Division No. Notes Red. Plotted Profile

Survey of BEACH Date Date No.

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

Indexed [redacted] C. John[redacted] Date Date Date No.

RANGE 142+50 S

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	RANGE	142+50 S
					Remarks	

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Cut 142+50

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
132+50 S-8	1	B&W	7:33	59° 36		
	2	R		59° 01		
	3	Y		57° 29		
	4	B&W	7:39	56° 31		
	5	R		54° 47		
	* 6	Y		53° 46		
	7	B&W	7:43	51° 45		
	8	R		50° 55		
	* 9	Y		50° 05		
	10	B&W	7:46	48° 18		
	11	R		47° 07		
	12	Y		45° 51		
	13	B&W	7:48+	43° 59		
	* 14	R		42° 32		
	15	Y		41° 26		
	16	B&W	7:51	39° 52		
	17	R		38° 35		
	18	Y		37° 29		
	19	B&W	7 54	36° 33		
	20	R		35° 36		

Profile Notes Red. Plotted Job No. 2417 Division No. F. B. 1880 Pg. 143

X-Sec. Notes Chkd. Checked Survey By Notes Date

No. Date Date Map No. Indexed Date

Cut by 142+50

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut 142+50
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
132+50	S-8	21	Y		34° 59'	
		22	B&W	7.57	31° 44'	
		23	R		29° 41	
		24	Y		28° 24'	
		* 25	B&W	8:00	26 10	
		26	R		24° 53	
		27	Y		24° 52	
		28	B&W	8:04	22° 51	

Cut In 142+50 S

F. B. 1886 Pg. A 194 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDIES Date Date No. X-Sec.
Survey by Blanchard Notes EHB Notes Chkd. Checked
Indexed A. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: NO ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	142+50 S
#	Color Time	Meas. Depth	Bottom Side	Adj. Depth		Remarks
1	B&W 7:32	32.8 31.0	31.6	3.8	27.8	1704
2	R	32.0 30.2	30.8	3.8	27.0	1665
3	Y	31.2 29.4	30.0	3.8	26.2	1569
4	B&W 7:38	30.7 28.2	29.0	3.8	25.2	1512
5	R	29.3 27.8	28.3	3.8	24.5	1417
6	Y	28.8 27.2	27.7	3.8	23.9	~~1365~~ 1363
7	B&W 7:42	27.8 26.0	26.6	3.8	22.8	1268
8	R	27.7 26.0	26.6	3.8	22.8	1231
9	Y	26.8 25.0	25.6	3.8	21.8	~~1195~~ 1189
10	B&W 7:45	25.7 24.1	24.6	3.8	20.8	1122
11	R	25.1 23.0	23.7	3.8	19.9	1077
12	Y	24.0 22.9	23.3	3.8	19.5	1030
13	B&W 7:48	22.9 20.9	21.6	3.8	17.8	965
14	R	22.2 20.0	20.7	3.7	17.0	~~917~~ 912
15	Y	20.8 19.0	19.6	3.7	15.9	882
16	B&W 7:50	19.7 17.9	18.5	3.7	14.8	835
17	R	19.5 17.4	18.1	3.7	14.4	798
18	Y	18.3 16.5	17.1	3.7	13.4	767
19	B&W 7:53	17.8 16.0	16.6	3.7	12.9	741
20	R	16.7 15.0	15.6	3.7	11.9	716

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

No. ____ Date 1-15-54 Date ____ Map No. ____ Date ____

F. B. 11886 Pg. 12

76L29B 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	142+50S

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		15.7 14.1	14.6	3.7	10.9	700
22	B&W	7:56	14.8 13.2	13.7	3.7	10.0	618
23	R		14.2 12.3	12.9	3.7	9.2	570
24	Y		13.5 11.7	12.3	3.7	8.6	541
25	B&W	7:59	12.9 11.0	11.6	3.7	7.9	~~491~~ 489
26	R		11.7 10.3	10.8	3.7	7.1	464
27	Y		11.5 9.7	10.3	3.7	6.6	463
28	B&W	8:03	10.7 8.7	9.4	3.7	5.7	421

Boat 142+50S

F. B. 1886 PG. 196 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No.
Survey by Notes CEM 9/30/53 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date 1-15-54 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 137+50	
Inst. Sight At : On		# Color	Time	Hor. Ang.	Remarks	
137+[illegible]	1	B + W	8:25	[illegible]		
	2	R		[illegible]		
	3	Y		[illegible]		
	4	B + W	8:28	90° 00'		
	5	R		90° 00'		
	6	Y		90° 18'		
	7	B + W	8:37	[illegible]		
	8	R		90° 00'		
	9	Y		90° 00'		
	10	B + W	8:36	90° 00'		
	11	R		90° 00'		
	12	Y		90° [illegible]		
	13	B + W	8:40	90° 18'		
	14	R		90° 00'		
	15	Y		90° [illegible]		
	16	B + W	8:43	90° 00'		
	17	R		90° 00'		
	18	Y		90° 22'		
	19	B + W	8:47	90 00		
	20	R		90 00		

RANGE 137+50

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 197

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

F. B. 1882 Pg. 198 Job No. 8412 Division No. Notes Red. Plotted Profile

Survey of BEACH EROSION STUDY Date Date No.

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

Indexed A. C. Johnson Date Date Date No.

RANGE 137+50S

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
	21	Y	8:55			

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

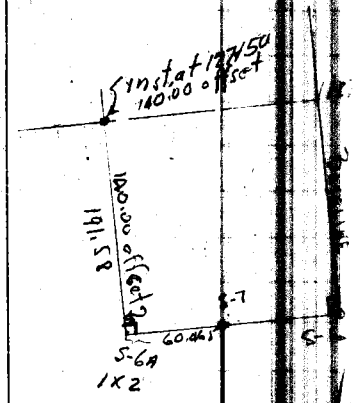
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Cut In 137+50

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
127+50 S6A 140' offset west	1	B&W	8:25	58°59	
	2	R		58°02	
	3	Y		56°58	
	4	B&W	8 29	55°08	
	5	R		53°27	
	* 6	Y		51°47	
	7	B&W	8:33+	50°12	
	8	R		48°23	
	9	Y		47°11	
	10	B&W	8 37	45°42	
	11	R		44°23	
	12	Y		42°41	132+50
	* 13	B&W	8:40+	41°14	
	14	R		40°32	
	* 15	Y		38°53	
	16	B&W	8 44	37°10'	
	17	R		34°38	
	* 18	Y		33 36	
	19	B&W	8 48	31°46'	137+50
	20	R		30 22'	



Cut In 137+50

Profile Notes Red. Plotted Job No. 4412 Division No. F. B. PG. 199

No. Date Date Date Map No. Indexed Date

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
127+50	S-6A	21	Y		28° 45		
140' offset W.		22	B&W	8 56	24° 30		
		* 23	R		23 00		
		24	Y				
		25	B&W				

CUT IN 137+50 S

F. B. 1886 PG. 200

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

Survey of ____ Date ____ Date ____ No. ____

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

Indexed ____ Date ____ Date ____ Date ____ No. ____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	137+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	8:24	31.0 29.1	29.7	3.6	26.1	1550
2	R		30.0 28.3	28.9	3.6	25.3	1491
3	Y		29.3 27.7	28.2	3.6	24.6	1439
4	B&W	8:28	29.2 27.4	28.0 ~~27.9~~	3.6	24.4 ~~24.3~~	1352
5	R		28.3 26.6	27.2	3.6	23.6	1271
6	Y		27.7 26.0	26.6	3.6	23.0	1204
7	B&W	8:33	26.7 25.0	25.6	3.6	22.0	1143
8	R		25.8 24.1	24.7	3.6	21.1	1080
9	Y		24.9 23.2	23.8	3.6	20.2	1037
10	B&W	8:36	24.0 22.2	22.8	3.6	19.2	991
11	R		22.8 21.1	21.7	3.6	18.1	950
12	Y		21.6 20.0	20.5	3.6	16.9	900
13	B&W	8:40	20.7 18.9	19.5	3.6	15.9	852
14	R		18.8 17.9	18.2	3.6	14.6	832
15	Y		18.9 16.9	17.6	3.6	14.0	792
16	B&W	8:43	19.2 15.9	17.0	3.6	13.4	749
17	R		17.2 14.7	15.5	3.5	12.0	683
18	Y		16.1 14.0	14.7	3.5	11.2	658
19	B&W	8:47	15.0 13.4	13.9	3.5	10.4	619
20	R		16.2 13.0	14.1	3.5	10.6	589

Boat 137+50S

Profile Notes Red. Plotted Job No. 8417 Division No.

X-Sec. Notes Chkd. Checked Survey By Date

No. Date 1-15-54 Date Map No. Job Date

F. B. 1886 Pg. 201

F. B. 1886 Pg. 202 Job No. 8412 Division No. Notes Red. Plotted Profile

Survey of Beach Erosion Study Date Date No.

Survey by Notes CEM 9/30/53 Notes Chkd. A K Checked X-Sec.

Indexed A. G. Johnson Date Date 1-15-54 Date No.

Boat 137+50 S

761.298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	Remarks
# Color Time	Meas. Depth	Bottom Tide	Adj. Depth			
21 Y		14.0				
22 B&W	8:55	12.1	12.7	3.5	9.2	552
23 R		13.5	11.8	3.5	8.3	463
		11.0				
		12.3	11.1	3.5	7.6	433
		10.5				

Breakers too big

76L298 307 4-50

7

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 132+50 - [illegible]
Inst. Sight At On	#	# Color	Time	Hor. Ang.	Remarks
132+50 S-S	1	B & W	9:26	90°00	
	2	R		90°00	
	3	Y		90°18	
	4	B & W	9:35	90°00	
	5	R		90°00	
	6	Y		90°00	
	7	B & W	9:38	90°00	
	8	R		90°00	
	9	Y		90°00	
	10	B & W	9:41	90°00	
	11	R		90°00	
	12	Y		90°00	
	13	B & W	9:44	90°00	
	14	R		90°00	
	15	Y		90°00	
	16	B & W	9:49	90°00	
	17	R		90°00	
	18	Y		90°00	
	19	B & W	9:51	90°35	
	20	R		90°00	

Profile Notes Red.____ Plotted____ Job No. 8419 Division No.____

Notes Chkd.____ Checked____ Survey By [illegible] Notes [illegible]

No.____ Date____ Date____ Map No.____ [illegible] Date____

F. B. Pg. 203

F. B. 1886 Pg. 204

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

Survey of BEACH EROSION STUDY Date _____ Date _____ No. _____

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

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

RANGE 132+50S

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
132+50 [illegible]	21	Y		9 13	
	22	B + W	9:55	9:00	

RANGE 132+50 - S.

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

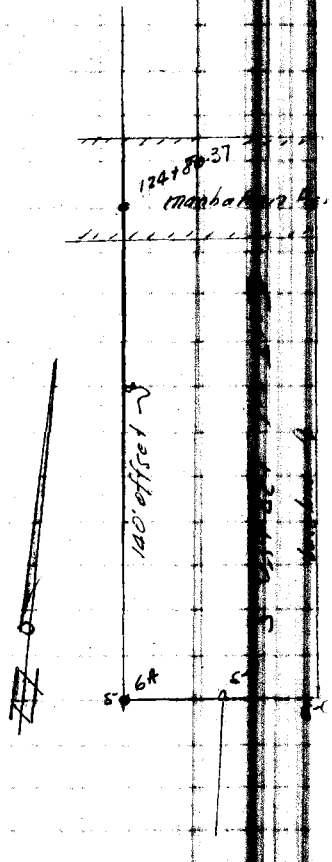
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

CUT IN 132+50

STATION	B. S.	H. I.	F. S.	ELEV.
Inst. At	Sight On	# Color	Time	Hor. Ang.
124+80.37	S-6A	1 B&W	9:26	63°58'
		2 R		63°36'
	*	3 Y		61°13'
		4 B&W	9:35	59°14'
		5 R		57°35'
		6 Y		55°56'
		7 B&W	9:37	54°07'
		8 R		52°10'
		9 Y		49°51'
		10 B&W	9:42	47°29'
		11 R		46°31'
		12 Y		44°41'
		13 B&W	9:45	42°49'
		14 R		39°55'
		15 Y		38°25'
		16 B&W	9:50	35°52'
		17 R		33°31'
		18 Y		32°17'
	*	19 B&W	9:52	31°34'
		20 R		28°42'

Remarks



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

Notes Chkd. ____ Checked ____ Survey by ____

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

F. B. 1886 PG. 20

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 PG. 206 | Job No. | Division No. | Notes Red. | Plotted | Profile

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

Survey by | Notes | Notes Chkd. | Checked | No.

Indexed | Date | Date | Date | Date

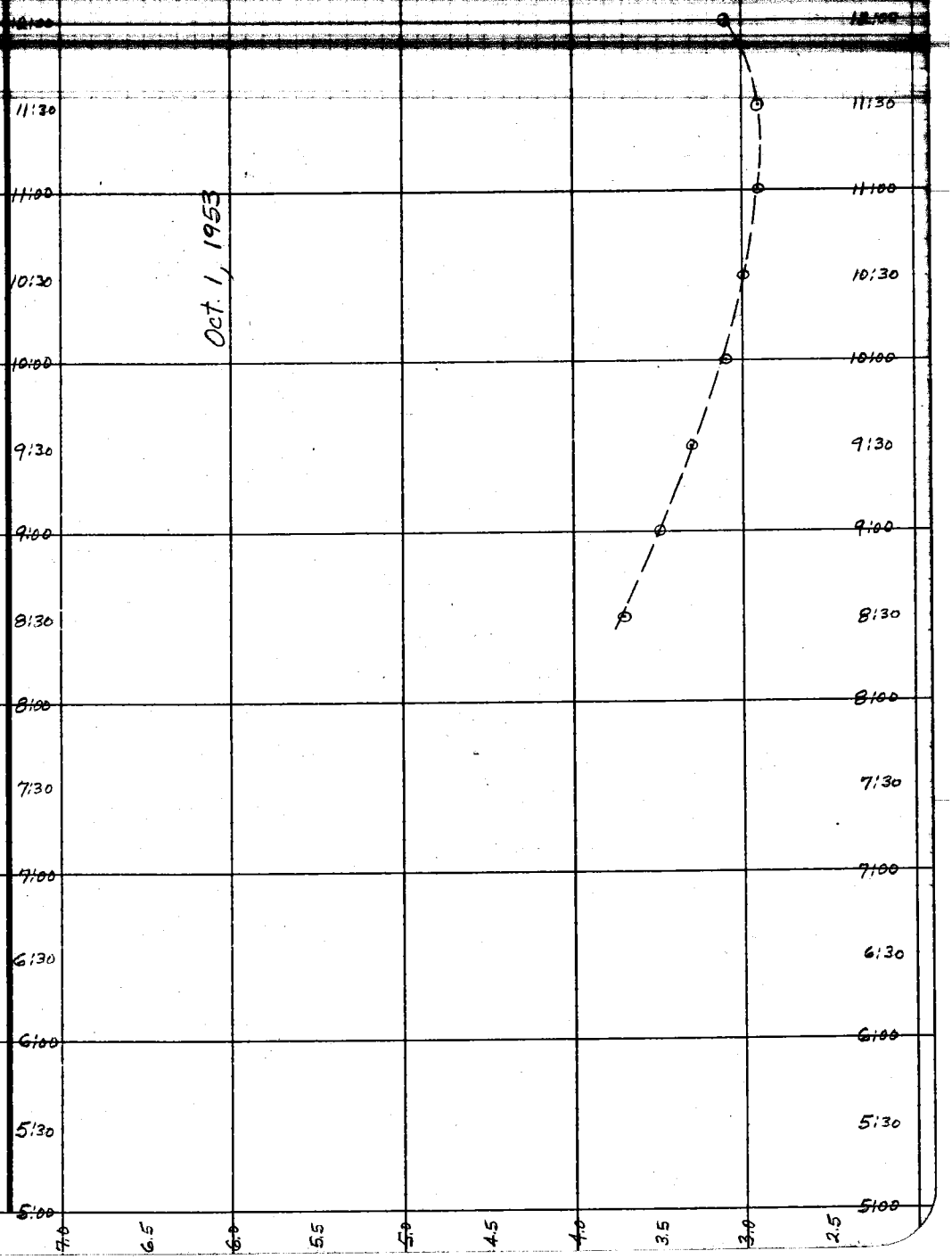
STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
	* 21	Y		27 08		
	22	B & W	9 56	24 49		

Cut 1327525

F. B. 1620 PG.

Map No.
Office Work
Checked
Date

W. O. Tape No. Std. °F
Surveyed by
Notes Date
Indexed



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

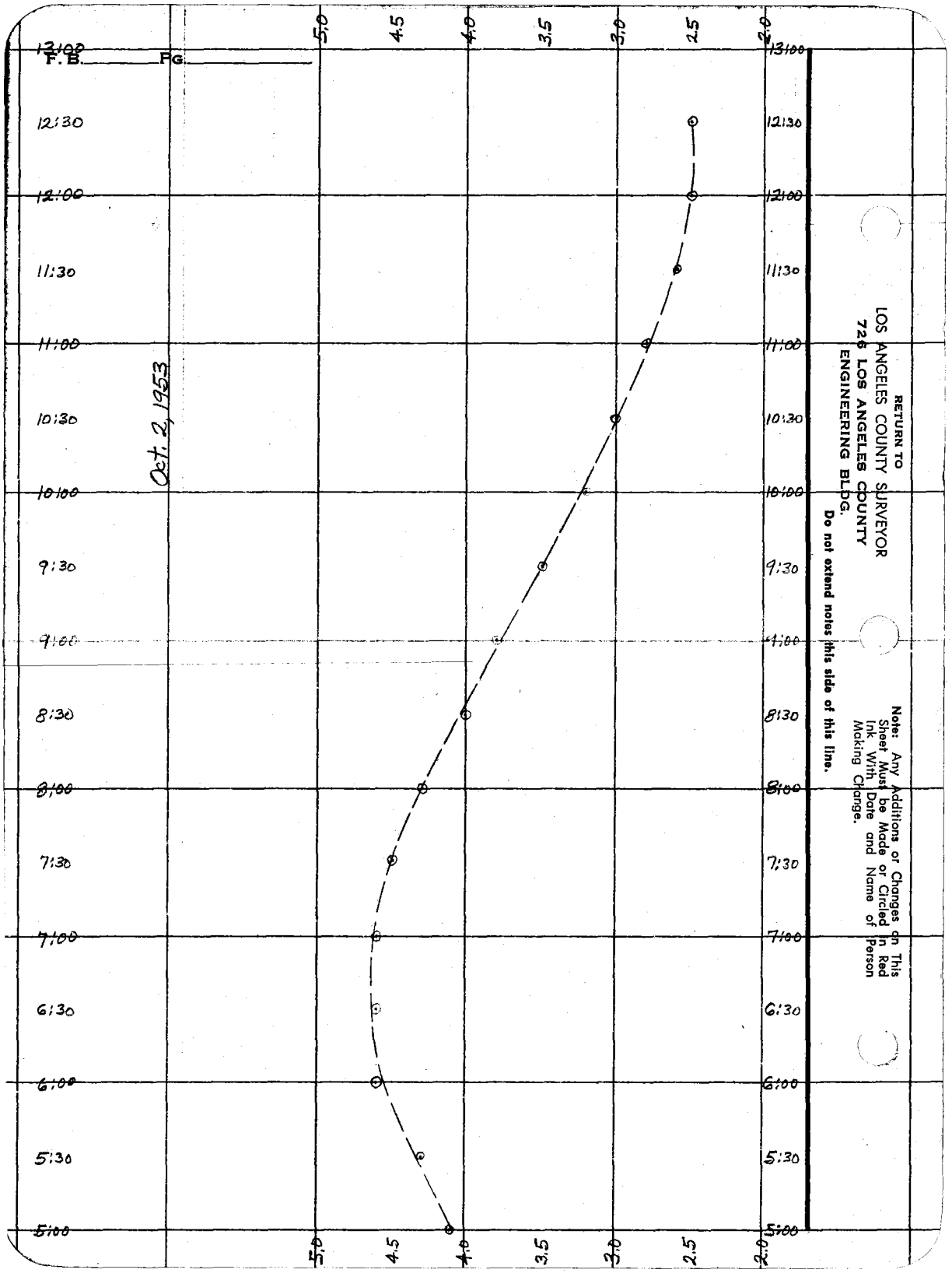
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 4-53

F. B. _____ PG. _____

Oct. 2, 1953



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT	132+50 S
#	Color	Time	Meas. Depth	Bottom Tide		Adj. Depth	Remarks
1	B&W	9:25	30.7 28.8	29.4	3.4	26.0	1480
2	R		29.8 28.0	28.6	3.4	25.2	1458
3	Y		28.9 27.1	27.7	3.4	24.3	1324
4	B&W	9:34	28.1 26.0	26.7	3.4	23.3	1238
5	R		27.0 25.0	25.7	3.4	22.3	1167
6	Y		25.8 23.9	24.5	3.4	21.1	1102
7	B&W	9:37	24.8 22.8	23.5	3.4	20.1	1042
8	R		23.3 21.9	22.4	3.4	19.0	977
9	Y		22.0 19.8	20.5	3.4	17.1	906
10	B&W	9:41	19.5 18.0	18.5	3.4	15.1	840
11	R		19.5 17.5	18.2	3.4	14.8	812
12	Y		18.2 16.0	16.7	3.4	13.3	772
13	B&W	9:44	17.3 15.7	16.2	3.4	12.8	727
14	R		18.2 14.0	15.4	3.4	12.0	662
15	Y		16.0 13.7	14.5	3.4	11.1	632
16	B&W	9:49	16.0 12.7	13.8	3.4	10.4	582
17	R		14.2 12.0	12.7	3.4	9.3	539
18	Y		15.1 11.5	12.7	3.4	9.3	518
19	B&W	9:51	15.0 11.0	12.3	3.4	8.9	502
20	R		12.3 10.2	10.9	3.4	7.5	454

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 207

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date 1-15-54 Date ____ Map No. ____ Date ____

Rent 127+50 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 208 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile
Survey of Beach Erosion Study Date ____ No. ____
Survey by ____ Notes CEM 9/30/53 Notes Chkd. KK Checked ____ X-Sec.
Indexed J. C. Johnson Date ____ Date 1-15-54 Date ____ No. ____

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	132+50S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
		11.0				
21 Y	9	9.2	9.8	3.4	6.4	424
		10.0				
22 B&W	10:54	7.5	8.3	3.4	4.9	392

Boat 132+50 S

76L298 307 4-50

9

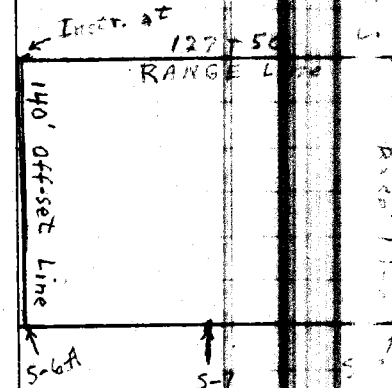
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Range 127+50 S

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At	Sight On	# Color	Time	Hor. Ang.	
127+50	S-6A	1 B&W	10:22	90°[illegible]	
		2 R		90°[illegible]	
		3 Y		90°00	
		4 B&W	10:31	89°37	
		5 R		90°00	
		6 Y		89°36	
		7 B&W	10:36	90°00	
		8 R		90°00	
		9 Y		90°00	
		10 B&W	10:39	90°00	
		11 R		90°10	
		12 Y		90°00	
		13 B&W	10:42	90°43	
		14 R		90°00	
		15 Y		90°00	
		16 B&W	10:45	90°00	
		17 R		90°00	
		18 Y		89°38	
		19 B&W	10:56	90°00	
		R		90°00	



Range 127+52 S

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

No. ____ Date ____ Date ____ Survey of ____

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

F. B. 1886 Pg. 209

F. B. 1886 PG. 210 Job No. 8412 Division No. Notes Red. Plotted Profile

Survey of BEACH [illegible] STUDY Date Date No.

Survey by FHB Notes TM Notes Chkd. Checked X-Sec.

Indexed K. C. Johnson Date Date Date No.

RANGE 127+50 S

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	RANGE	127+50 - S.
127+50 S-6A	21	Y				
	22	B & W	11:00			
					Remarks	

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		CUT-IN 127+50
Inst. Sight At	Om	#	Color	Time	Hor. Ang.	Remarks
137+50	S-7	1	B&W	10:23	59°12	
		2	R		55°32	
		3	Y		54°50	
		4	B&W	10:32	53°41	
		5	R		51°55	
		6	Y		51°31	
		7	B&W	10:36	49°40	
		8	R		48°49	
		9	Y		47°26	
		10	B&W	10:39	45°58	
		11	R		45°02	
		12	Y		43°19	
		13	B&W	10 42	42°15	
		14	R		40°29	
		15	Y		38°56	
		16	B&W	10 45	37 20	
		17	R		35 59	
		18	Y		32 10	
		19	B&W	10 57	29 40	
		20	R		28 40	

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 PG. 211

No. ____ Date ____ Date ____ Survey of ____

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

Cut-in 127+50 S

F. B. 1886 Pg. 212 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSION STUDIES Date _____ Date _____ No. _____

Survey by Blanchard Notes F 11 13 Notes Chkd. _____ Checked _____ X-Sec.

Indexed [redacted] O. Johnson Date _____ Date _____ Date _____ No. _____

CUT IN 127+50S

STATION	B. S.	H. I.	F. S.	ELEV.		Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.		
137+50 S-7	21	Y.		25	25	
	22	B&W	1110	24	27	
	23					

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298 307 4-50

764298 3M7 4-56

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		127+50S

#	Color	Time	Depth	Bottom	Tide	Adj. Depth		Remarks
1	BEW	10:22	31.5 28.5	29.5	3.4	26.1	1489	140' offset 162
2	R		30.4 28.2	28.9	3.5	25.4	1293	added 143
3	Y		29.7 27.0	27.9	3.5	24.4	1261	1401
4	BEW	10:30	28.0 25.8	26.5	3.5	23.0	1198	1238
5	R		27.2 25.1	25.8	3.5	22.3	1135	1275
6	Y		26.2 24.1	24.8	3.5	21.3	1110	1250
7	BEW	10:35	25.1 22.8	23.6	3.5	20.1	1047	1187
8	R		23.9 22.0	22.6	3.5	19.1	1016	1156
9	Y		23.3 21.3	22.0	3.5	18.5	970	1110
10	BEW	10:38	22.3 20.0	20.8	3.5	17.3	920	1060
11	R		20.8 19.2	19.7	3.5	16.2	888	1028
12	Y		21.0 19.0	19.7	3.5	16.2	834	974
13	BEW	10:41	20.3 18.0	18.8	3.5	15.3	812	952
14	R		19.7 17.0	17.9	3.5	14.4	755	895
15	Y		18.5 16.2	17.0	3.5	13.5	710	850
16	BEW	10:44	19.2 15.5	16.7	3.5	13.2	668	808
17	R		17.2 15.0	15.7	3.5	12.2	634	774
18	Y		16.0 14.0	14.7	3.6	11.1	541	691
19	BEW	10:56	15.2 13.0	13.7	3.6	10.1	486	626
20	R		14.3 12.0	12.8	3.6	9.2	464	604

End 127+50S

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 213

No. ____ Date 1-15-54 Date ____ Map No. ____ Date ____

F. B. 1886 Pg. 214 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by _____ Notes CEM 9/30/53 Notes Chkd. _____ Checked _____ X-Sec.

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

Boat 127+50 S

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	127+50S
#	Color	Time	Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		12.8	11.6	3.6	8.0	536
22	B&W	11:00	11.0	10.5	3.6	6.9	517
			11.6				
			9.9				

F. B. 1886 PG. 215

Map No. _____ W. O. _____ Tape No. _____ Std. _____ °F
Office Work _____ Surveyed by _____
Checked _____ Notes _____ Date _____
Date _____ Indexed [illegible] Johnson

Tide Gage

STANDARD TIME OCT 1, 1953

Hour	Tide
5:00	
5:30	
6:00	Roll changed this part gone,
6:30	
7:00	
7:30	
8:00	
8:30	3.7
9:00	3.5
9:30	3.3
10:00	3.1
10:30	3.0
11:00	2.9
11:30	2.9
12:00	3.1

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 2-51

F. B. 1886 PG. 216

TIDE GAGE

STANDARD TIME

~~SEPT~~ Oct 2 1953

HOUR	TIDE
5:00	4.1
5:30	4.3
6:00	4.6
6:30	4.6
7:00	4.6
7:30	4.50
8:00	4.30
8:30	4.0
9:00	3.8
9:30	3.5
10:00	3.2
10:30	3.0
11:00	2.8
11:30	2.6
12:00	2.5
12:30	2.5
1:00	

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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

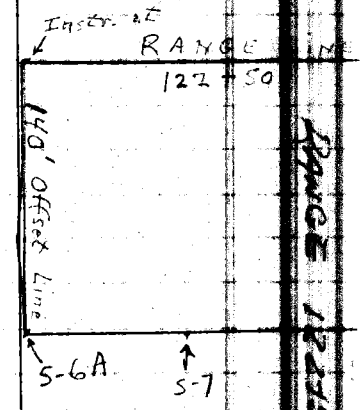
76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		S. S.	H. I.	F. S.	ELEV.	RANGE	122+50 - S
Inst. Sight At	On		# Color	Time	Hor. Ang.	Remarks	
122+50	S-6A	1	B & W	9:58	90°00		
		2	R		89°45		
		3	Y		89°46		
		4	B & W	10:01	90°00		
		5	R		90°10		
		6	Y		90°00		
		7	B & W	10:04	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	10:06	90°00		
		11	R		89°40		
		12	Y		90°00		
		13	B & W	10:08	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	10:09	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B & W	10:11	90°00		
		20	R		90°11		



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 18 Pg. 217

No. ____ Date ____ Date ____ Survey of ____

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 218 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by FHB Notes TM Notes Chkd. Checked X-Sec.
Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	120+50 - S.
Inst. At / Sight On	#	Color	Time	Hor. Ang.		Remarks
	* 21	Y		[illegible]		[illegible]
	22	B & W	10:13	[illegible]		
	23	R		[illegible]		
	24	Y		[illegible]		
	25	B & W	10:14	[illegible]		
	26	R	[illegible]	[illegible] 2		
	27	Y		[illegible]		
	28	B & W	10:16	[illegible]		
	29	R		[illegible]		
	30	Y		[illegible]		
	31	B & W	10:17	[illegible]		
	32	R		[illegible]		

RANGE 122+50S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red. ____ Plotted ____ Job No. X412 Division No. ____ F. B. 1856 Pg. 219

No. ____ Date ____ Date ____ Survey of ____

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

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On S.G.A	# Color	Time	Hor. Ang.	Remarks	
112+50	1	B&W	9 58	56° 44		
	2	R		55° 01		
	3	Y		52° 53		
	4	B&W	10 01	51° 55		
	5	R		50° 52		
	6	Y		49° 32		
	7	B&W	10 04	48° 14		
	8	R		46° 28		
	9	Y		44° 41		
	10	B&W	10 06	43° 19		
	11	R		41° 46		
	12	Y		40° 41		
	13	B&W	10 08	39° 41		
	14	R		38° 46		
	15	Y		38° 07		
	16	B&W	10 09	37° 24		
	17	R		36° 23		
	18	Y		35° 08		
	19	B&W	10 11	34° 07		
	20	R		33° 04		

F. B. 1886 Pg. 220

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

Survey of Peach Lining Studies Date ____ Date ____ No. ____

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

Indexed [redacted] Date 05 [illegible] Date ____ Date ____ No. ____

Cut In 122+50 S

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
112+50	21	Y		32	1	
	22	B+W	10.8	8	1	
	23	R		30	36	
	24	Y		2	10	
	25	B+W	10.14	2	8	
	26	R		26	17	
	27	Y		26	4	
	28	B+W	10.16	24	1	
	29	R		2	3	
	30	Y		2	3	
	31	R+W	10.17	20	3	
	32	R		19	1	

74L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not enter notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	122+30S
# Color	Time	Depth	Bottom Elev.		Adj. Depth	Remarks
1 BEW	9:57	30.0	29.2	3.1	26.1 1524	motor failed
2 R		28.8 28.5				
3 Y		27.8 27.5	28.0	3.1	24.9 1435	E. Shoemaker rowed
4 BEW	10:00	26.6 27.8	26.9	3.1	23.8 1326	↑ 1466
5 R		26.6 27.0	27.0	3.1	23.9 1276	+ 140' 1416
6 Y		25.9 26.9	26.3	3.1	23.2 1226	- offset 1367
7 BEW	10:03	25.1 25.1	25.7	3.1	22.6 1172	↓ 1312
8 R		24.5 24.7	24.7	3.1	21.6 1120	1260
9 Y		23.2 23.2	23.7	3.1	20.6 1053	1193
10 BEW	10:06	22.2 22.5	22.5	3.1	19.4 989	1129
11 R		21.7 20.7	22.0	3.1	18.9 943	1083
12 Y		20.2 21.0	20.4	3.1	17.3 898	1039
13 BEW	10:07	19.0 20.1	19.7	3.1	16.6 860	1000
14 R		19.4 19.0	19.6	3.1	16.5 830	970
15 Y		18.2 18.8	18.5	3.1	15.4 803	943
16 BEW	10:09	17.8 18.8	18.1	3.1	15.0 785	925
17 R		17.5 18.3	[illegible]	3.1	14.8 765	905
18 Y		17.0 17.0	[illegible]	3.1	14.3 739	879
19 BEW	10:11	16.7 17.2	[illegible]	3.1	13.4 704	844
20 R		15.5 14.3	16.1	3.1	13.0 677	817
		15.4	15.7	3.1	12.6 650	789

Profile Notes Red ____ Plotted ____ Job No. 2112 Division No. ____ F.B. 1886 Pg. 22

Notes Checked 1-15-54 Date ____ Checked ____ Date ____ Survey by ____ Notes ____ Date ____

Boat 122/30S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	S. S.	H. I.	F. S.	ELEV.	BOAT		122+50S
# Color Time		Meas. Depth	Bottom Tide		Adj. Depth	Remarks	
21 Y		16.0 13.5	14.3	3.1	11.2	631	771
22 B&W	10:12	15.4 13.5	14.1	3.1	11.0	613	753
23 R		16.2 14.0?	14.7?	3.1	11.6?	591	731
24 Y		13.8 13.0	13.3	3.1	10.2	573	713
25 B&W	10:13	14.4 13.0	13.5	3.1	10.4	544	684
26 R		14.0 12.0	12.7	3.1	9.6	497	635
27 Y		13.7 11.0	11.9	3.1	8.8	471	611
28 B&W	10:15	12.0 10.4	10.9	3.0	7.9	449	589
29 R		11.7 10.0	10.6	3.0	7.6	424	564
30 Y		10.6 8.4	9.1	3.0	6.1	399	539 ←
31 B&W	10:16	8.5 7.5	7.8	3.0	4.8	375	515
32 R		7.8 6.7	7.1	3.0	4.1	351	491

Boat 122+50S

F.S. 1886 Pg. 222 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by Blanchard Notes CEM 10/1/53 Notes Chkd. Checked
Indexed Date Date 1-15-54 Date No.

76L298 307 4-50

3

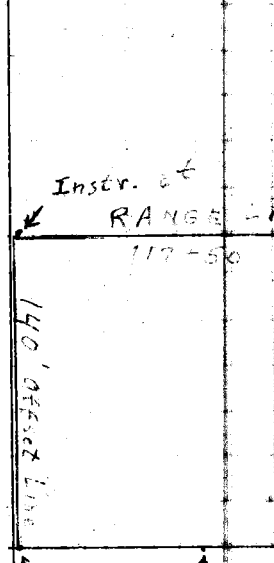
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 117+50 - S.

Inst. Sight At	On	#	#	Color	Time	Hor. Ang.	Remarks
117+50	S-6A	1		B & W	10:36	90 05	
		2		R		90°00	
		3		Y		89°50	
		4		B & W	10:40	90°00	
		5		R		90°00	
		6		Y		90°00	
		7		B & W	10:42	90°00	
		8		R		90°00	
		9		Y		90°00	
		10		B & W	10:44	90°00	
		11		R		90°00	
		12		Y		90°14	
		13		B & W	10:46	90°00	
		14		R		90°00	
		15		Y		90°00	
		16		B & W	10:48	90°00	
		17		R		90°08	
		18		Y		89°48	
		19		B & W	10:50	90°40	
		20		R		90°00	



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

No.____ Date____ Date____ Map No.____ Date____

F. B. Pg. 223

76L298 307 4-50

4

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	117+50 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
117+50	S-6A	21	Y		[illegible]		
		22	B & W	10:52	[illegible]		
		23	R		90 26		
		24	Y		[illegible]		
		25	B & W	10:54	[illegible]		
		26	R		[illegible]		
		27	Y		[illegible]		
		28	B & W	10:57	[illegible]		
		29	R		[illegible]		
		30	Y		[illegible]		
		31	B & W	10:59	[illegible]		
		32	R		89 36		
		33	Y		89 34		

RANGE 117+50 S

F. B. 1886 PG 224
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by FAB Notes TM Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
			10 36	55° 23		
		R		57° 04		
		Y		55° 12		
		BYW	10 40	53° 52		
		R		52° 49		
		Y		51° 41		
		BYW	10 42	50° 33		
		R		49° 26		
		Y		48° 46		
		BYW	10 44	47° 45		
		R		46° 57		
		Y		45° 39		
		BYW	10 45	43° 44		
		R		42° 05		
		Y		41° 03		
		BYW	10 47	38° 36		
		R		37° 39		
		Y		35° 26		
		BYW	10 50	36° 06		
		R		34° 18		

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

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

F. B. Pg. 225

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
107+30 S6A	21	Y		32 5		
	22	B+W	10 52	30 [illegible]		
	23	R		2[illegible] [illegible]0		
	24	Y		2[illegible] [illegible]4		
	25	B+W	10 54	2[illegible] [illegible]		
	26	R		[illegible] [illegible]1		
	27	Y		27 32		
	28	B+W	10 56	24 [illegible]1		
	29	R		22 [illegible]3		
	30	Y		21 [illegible]2		
	31	B+W	10 59	19 15		
	32	R		19 [illegible]7		
	33	Y		21 [illegible]5		

CUT IN 117+50 S

F. B. 1886 Pg. 426 Job No. 5412 Division No. Notes Red. Plotted Profile
Survey of Bench Erosion Indicator Date Date No. X-Sec.
Survey by EHB Notes VS Notes Chkd. Checked
Indexed A. C. Johnson Date Oct 1/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		117+50S
#	Color	Time	Meas. Depth	Bottom Tide	Adj. Depth	Remarks	
1	B&W	10:36	28.0 26.9	27.3	3.0	24.3	1446 add 150' offset 1486
2	R		29.0 28.0	28.3	3.0	25.3	1544 1688
3	Y		29.0 27.5	28.0	3.0	25.0	1491 1581
4	B&W	10:40	28.1 26.0	26.7	3.0	23.7	1370 1510
5	R		28.0? 26.7	27.1?	3.0	24.1?	1318 1458
6	Y		26.4 25.0	25.5	3.0	22.5	1265 1405
7	B&W	10:41	25.6 24.0	24.5	3.0	21.5	1217 1357
8	R		25.1 24.3	24.6	3.0	21.6	1168 1308
9	Y		25.1 24.2	24.5	2.9	21.6	1140 1280
10	B&W	10:43	25.2 23.9	24.3	2.9	21.4	1101 1241
11	R		24.5 23.0	23.5	2.9	20.6	1072 1212
12	Y		23.7 22.8	23.1	2.9	20.2	1019 1159
13	B&W	10:45	23.4 22.0	22.5	2.9	19.6	957 1097
14	R		22.4 21.6	21.9	2.9	19.0	903 1043
15	Y		21.7 20.6	21.0	2.9	18.1	871 1011
16	B&W	10:47	20.7? 18.9	19.5?	2.9	16.6?	810 950
17	R		19.3 18.5	18.8	[illegible]	15.9	769 909
18	Y		18.0 16.5	17.0	[illegible]	14.1	714 854
19	B&W	10:50	18.3 17.0	17.4	2.9	14.5	722 862
20	R		18.6 17.0	17.5	2.9	14.6	682 822

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1886 Pg. 227

No. Date 15-54 Date Map No. Date

Boat 117+50S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 1886 Pg. 228 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile
Survey of Beach Erosion Study | Date | No.
Survey by Blanchard | Notes CEM 10/1/53 | Notes Chkd. KK | Checked | X-Sec.
Indexed E. C. Johnson | Date | Date 1-15-54 | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT			117+50S
#	Color	Time	Heag. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		17.5	16.2	2.9	13.3	631	771
22	B&W	10:52	15.5 / 16.4	15.1	2.9	12.2	588	728
23	R		14.5 / 14.7	14.2	2.9	11.3	545	705
24	Y		14.0 / 13.6	12.8	2.9	9.9	500	640
25	B&W	10:53	12.4 / 14.0	13.1	2.9	10.2	519	659
26	R		12.6 / 14.2	13.5	2.9	10.6	562	702
27	Y		13.2 / 13.6	13.0	2.9	10.1	521	661
28	B&W	10:56	12.7 / 13.0	12.2	2.9	9.3	463	603
29	R		11.8 / 12.0	11.1	2.9	8.2	422	562
30	Y		10.6 / 11.0	9.8	2.9	6.9	395	535
31	B&W	10:59	9.2 / 8.0	6.9	2.9	4.0	349	489
32	R		6.4 / 8.4	7.5	2.9	4.6	364	504
33	Y		7.1 / 10.2	9.1	2.9	6.2	387	527

117+50S

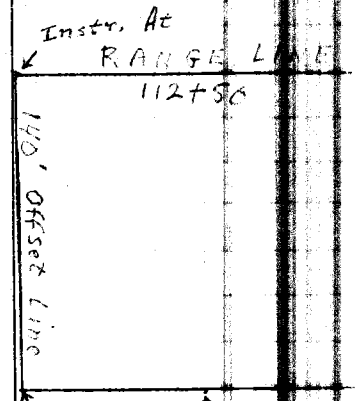
76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	112+50 - S.
Inst. At	Sight On	#	# Color	Time	Hor. Ang.	Remarks
112+50	S-6A	1	B & W	11:16	90°00	
		2	R		90°00	
		3	Y		90°12	
		4	B & W	11:19	90°00	
		5	R		89°41	
		6	Y		90°08	
		7	B & W	11:22	89°45	
		8	R		90°00	
		9	Y		90°00	
		10	B & W	11:24	90°09	
		11	R		90°00	
		12	Y		89°52	
		13	B & W	11:27	89°28	
		14	R		89°48	
		15	Y		90°00	
		16	B & W	11:28	90°00	
		17	R		90°00	
		18	Y		90°00	
		19	B & W	11:30	90°31	
		20	R		90°00	



Range 112+50 S

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
Notes Chkd. Checked Survey by
No. Date Date Map No. Indexed J. C. Johnson Date
F. B. 1[illegible] Pg. 229

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	112 + 50 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
112+50	S-6A	21	Y		[illegible]		
		22	B & W	11:32	[illegible]		
		23	R		[illegible]		
		24	Y		[illegible]		
		25	B & W	11:33	[illegible]		
		26	R		[illegible]		
		27	Y		[illegible]		
		28	B & W	11:35	[illegible]		

RANGE 112+50 S

F. B. 1886 Pg. 230 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by FHB Notes TM Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Profile Notes Red. ____ Plotted ____ Job No. 8712 Division No. ____ F. B. 1886 Pg. 831

No. ____ Date ____ Date ____ Survey of ____

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

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	CUTIN 112+50
102+50	S6A	1	B&W	11 16	55° 36		
		2	R		56° 52		
		3	Y		55° 53		
		4	B&W	11 19	54° 51		
		5	R		54° 00		
		6	Y		53° 07		
		7	B&W	11 22	52° 08		
		8	R		50° 46		
		9	Y		49° 35		
		10	B&W	11 24	48° 27		
		11	R		46° 51		
		12	Y		45° 17		
		13	B&W	11 27	42° 37		
		14	R		41° 10		
		15	Y		39° 42		
		16	B&W	11 28	37° 58		
		17	R		36° 42		
		18	Y		35° 11		
		19	B&W	11 29	35° 35		
		20	R		32° 08		

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
102+50	56A	21	Y		32° 23		
		22	B+W	11 31	29° 53		
		23	R		28° 25		
		24	Y		27° 08		
		25	B+W	11 33	25° 35		
		26	R		24° 06		
		27	Y		22° 03		
		28	B+W	11 34	20° 25		

CUT IN 112+50 S

CUT IN 112+50

F. B. 1886 PG. 232

Job No. [illegible] Division No. Notes Red. Plotted Profile

Survey of Beach Fencing Studies Date Date No. X-Sec.

Survey by F.H.B. Notes Notes Chkd. Checked

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		112+50S
#	Color Time	Meas. Depth	Bottom Tide		Adj. Depth	Remarks	
1	B&W 11:16	28.0 27.0	27.3	2.9	24.4	1460	1600
2	R	29.7 27.8	28.4	2.9	25.5	1532	1672
3	Y	29.0 27.1	27.7	2.9	24.8	1468	1608
4	B&W 11:19	28.0 26.6	27.1	2.9	24.2	1420	1560
5	R	28.1 26.9	27.3	2.9	24.4	1386	1526
6	Y	26.7 25.6	26.0	2.9	23.1	1330	1470
7	B&W 11:21	26.9 24.7	25.4	2.9	22.5	1294	1434
8	R	25.7 24.2	24.7	2.9	21.8	1225	1365
9	Y	25.2 23.9	24.3	2.9	21.4	1174	1314
10	B&W 11:24	25.0 23.8	24.2	2.9	21.3	1125	1265
11	R	25.0 24.1	24.4	2.9	21.5	1067	1207
12	Y	23.9 23.0	23.3	2.9	20.4	1012	1152
13	B&W 11:26	23.2 21.9	22.3	2.9	19.4	929	1069
14	R	21.6 20.4	20.8	2.9	17.9	876	1016
15	Y	21.4 20.0	20.5	2.9	17.6	830	970
16	B&W 11:28	20.8 19.1	19.7	2.9	16.8	780	920
17	R	20.1 18.5	19.0	2.9	16.1	745	885
18	Y	18.0 16.4	16.9	2.9	14.0	705	845
19	B&W 11:29	18.4 17.0	17.5	2.9	14.6	712	852
20	R	17.0 14.0	15.0	2.9	12.1	628	768

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 233

Date 1-15-54 Date ____ Date ____ Map No. ____ Date ____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	112+50 S

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		16.0 15.0	15.3	2.9	12.4	634 774
22	B&W	11:32	14.7 13.8	14.1	2.9	11.2	575 715
23	R		14.0 13.2	13.5	2.9	10.6	541 681
24	Y		13.7 12.9	13.2	2.9	10.3	512 652
25	B&W	11:33	12.9 12.0	12.3	2.9	9.4	479 619
26	R		12.0 10.8	11.2	2.9	8.3	447 587
27	Y		10.6 9.7	10.0	2.9	7.1	405 545
28	B&W	11:34	8.2 7.1	7.5	2.9	4.6	372 512

Waves too large to obtain eight foot and nine foot contours which were missed

Boat 112+50S

F.S. 1886 Pg. 234 Job No. 841 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No.
Survey by Blanchard Notes CEM 10/1/53 Notes Chkd. KK Checked X-Sec.
Indexed [illegible] Date Date 1-15-54 Date No.

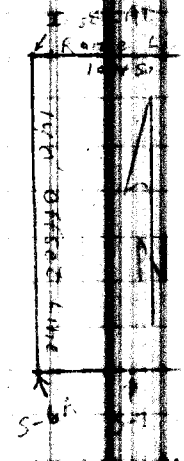
76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	107+50-S
Inst. Sight At	On #	# Color	Time	Hor. Ang.		Remarks
107+50	S-6A 1	B & W	6:08	89°49		
	2	R		90°00		
	3	Y		90°00		
	4	B & W	6:12	90°16		
	5	R		90°00		
	6	Y		90°00		
	7	B & W	6:15	90°10		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	6:17	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	6:19	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	6:22	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	6:25	90°00		
	20	R		90°00		



Profile No. ____ Date ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. ____ Survey of ____ Division No. ____ Map No. ____ Date ____

F. B. 1886 Pg. 235

F. B. 195 Pg. 236 | Job No. [illegible] Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of BEACH EROSION STUDY Date _____ Date _____ No. _____

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

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

RANGE 107+50S

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

761298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

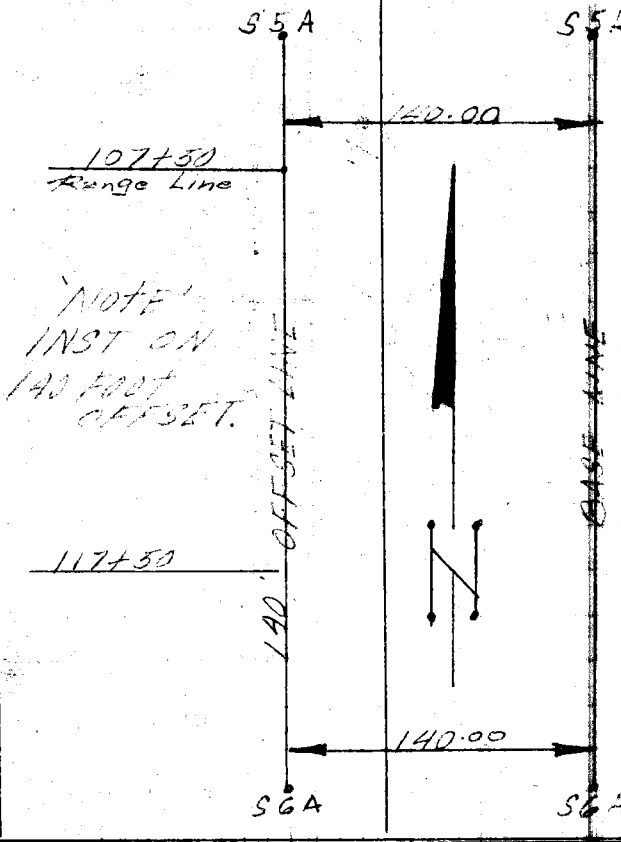
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

CUT IN 107+50

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At	Sight On	# Color	Time	Hor. Ang.	
117+50	S5A 1	B&W	6 08	57° 12	
	2	R		5[illegible]° 39	
	3	Y		55° 4[illegible]	
	4	B&W	6 12	56° 16	
	5	R		[illegible]	
	6	Y		54° [illegible]	
	7	B&W	[illegible]	53° 31	
	8	R		52° 18	
	9	Y		[illegible]° 57	
	10	B&W	6 17	49° 46	
	11	R		[illegible]° 20	
	12	Y		[illegible] 42	
	13	B&W	6 19	[illegible]° 20	
	14	R		[illegible]° 13	
	15	Y		42° 17	
	16	B&W	6 22	[illegible]° 54	
	17	R		[illegible]	
	18	Y		38° 51	
	19	B&W	6 24	37° [illegible]	
	20	R		36° 15	



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

No. ____ Date ____ Date ____ Survey of ____ Map No. ____ Date ____

F. B. [illegible] Pg. 237

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
	27	Y				
	[illegible]	B+W	[illegible]	[illegible]		
		[illegible]		[illegible]		
		B+W	[illegible]			
		[illegible]				
		Y		28° 8		
		B+W	[illegible]	[illegible]		
	[illegible]	[illegible]		27 [illegible]		
	36	Y		26 1		
	[illegible]	B+W	[illegible]	24 [illegible]		
	32	R		[illegible]		
	33	Y		22 [illegible]		
	34	B+W	[illegible]	[illegible]		
	35	R		[illegible]		
	[illegible]	Y		24 [illegible]		
	[illegible]	B+W	6 42	22° 4		
	[illegible]	[illegible]		[illegible]		
	[illegible]	Y		[illegible]		

CUT IN 107+50S

F. B. 1886 PG. 238 Job No. 8912 Division No. [illegible] Notes Red. [illegible] Plotted 2 Profile
Survey of Beach Erosion Studies Date [illegible] Date [illegible] No. [illegible]
Survey by [illegible] Notes [illegible] Notes Chkd. [illegible] Checked [illegible] X-Sec.
Indexed [illegible] C. Johnson Date [illegible] Date [illegible] Date [illegible] No. [illegible]

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		107+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	6:07	31.0 29.6	30.1	4.6	25.5	1546 added 140' offset 1686
2	R		30.1 29.0	29.4	4.6	24.8	1519 1659
3	Y		29.1 27.2	27.8	4.6	23.2	1464 1604
4	B&W	6:11	30.9 28.1	29.0	4.6	24.4	1506 1646
5	R		30.4 28.0	28.8	4.6	24.2	1470 1610
6	Y		30.0 27.5	28.3	4.6	23.7	1405 1545
7	B&W	6:14	29.0 27.1	27.7	4.6	23.1	1355 1495
8	R		28.9 27.7	28.1	4.6	23.5	1294 1434
9	Y		28.0 26.9	27.3	4.6	22.7	1233 1373
10	B&W	6:16	28.4 26.7	27.3	4.6	22.7	1181 1321
11	R		27.7 26.0	26.6	4.6	22.2	1124 1264
12	Y		26.0 24.7	25.1	4.6	20.5	1061 1201
13	B&W	6:19	26.0 24.2	24.8	4.6	20.2	1012 1152
14	R		23.8 22.7	23.1	4.6	18.5	940 1080
15	Y		24.5 22.0	22.8	4.6	18.2	909 1049
16	B&W	6:22	22.2 21.0	21.4	4.6	16.8	866 1006
17	R		22.7 20.1	21.0	4.6	16.4	842 982
18	Y		21.5 19.5	20.2	4.6	15.6	805 945
19	B&W	6:24	20.3 19.0	19.4	4.6	14.8	764 904
20	R		19.2 18.7	18.9	4.6	14.3	733 873

Profile Notes Red. Plotted Job No. Division No.

X-Sec. Notes Chkd. Checked Survey by Notes

No. Date 1-14-54 Date Map No. Date

F. B. 1886 Pg. 239

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		107+50S
Color	Time	Meas. Depth	Bottom	Tide	Adj.	Depth	Remarks	
21	Y		19.2 18.0	18.4	4.6	13.8	696	836
22	B&W	6:26	19.1 17.9	18.3	4.6	13.7	654	794
23	R		18.1 15.7	16.5	4.6	11.9	610	750
24	Y		18.6 16.5	17.2	4.6	12.6	653	793
25	B&W	6:29	17.7 16.5	16.9	4.6	12.3	622	762
26	R		16.8 15.4	15.9	4.6	11.3	567	707
27	Y		16.2 14.8	15.3	4.6	10.7	538	678
28	B&W	6:32	14.8 13.2	13.7	4.6	9.1	500	640
29	R		17.0 13.7	14.8	4.6	10.2	514	654
30	Y		16.1 13.9	14.6	4.6	10.0	495	635
31	B&W	6:35	13.9 12.8	13.2	4.6	8.6	455	595
32	R		13.1 11.2	11.8	4.6	7.2	437	577
33	Y		12.6 10.0	10.9	4.6	6.3	408	548
34	B&W	6:38	11.7 10.8	11.1	4.6	6.5	419	559
35	R		11.6 9.0	9.9	4.6	5.3	398	538
36	Y		13.5 10.5	11.5	4.6	6.9	447	587
37	B&W	6:42	12.3 10.8	11.3	4.6	6.7	409	549
38	R		12.2 10.8	11.3	4.6	6.7	424	564
39	Y		9.2 8.0	8.4	4.6	3.8	380	520

Boat 107+50S

F. B. 1886 Pg. 240
Job No. Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes CEM 10/2/53 Checked
Indexed A. C. Johnson Date Notes Chkd. Date 1-15-54 Date No.

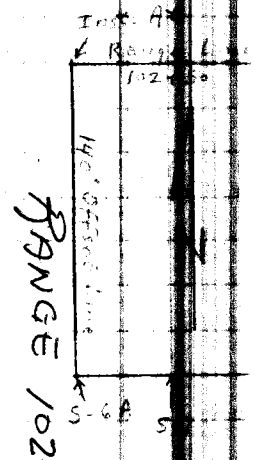
76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	102+50 - S
Inst. Sight At	On	##	Color	Time	Hor, Ang.	Remarks	
102+50	S-6A	1	B & W	7:03	89°56		
		2	R		90°00		
		3	Y		90°00		
		4	B & W	7:07	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	7:09	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	7:13	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	7:15	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	7:18	90°11		
		17	R		89°44		
		18	Y		90°18		
		19	B & W	7:21	90°00		
		20	R		90°00		



Profile Notes Red. Plotted Job No. Division No. F. B. Pg. 241

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

No. Date Date Map No. Indexed Date

F. B. 1826 Pg. 242 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDY | Date | Date | No.

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

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

RANGE 102+50 S

STATION	B. S.	H. I.	F. S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight At OH	#	Color	Time			
	21					RANGE
	28					102+50 S
	29					
	30					
	31					
	32					
	33					
	34					
	35					
	36					
	37					
	38					
	39					
	40					
	41					
	42					
	43					
	44					
	45					
	46					
	47					
	48					
	49					
	50					
	51					
	52					
	53					
	54					
	55					
	56					
	57					
	58					
	59					
	60					
	61					
	62					
	63					
	64					
	65					
	66					
	67					
	68					
	69					
	70					
	71					
	72					
	73					
	74					
	75					
	76					
	77					
	78					
	79					
	80					
	81					
	82					
	83					
	84					
	85					
	86					
	87					
	88					
	89					
	90					
	91					
	92					
	93					
	94					
	95					
	96					
	97					
	98					
	99					
	100					
	101					
	102					
	103					
	104					
	105					
	106					
	107					
	108					
	109					
	110					
	111					
	112					
	113					
	114					
	115					
	116					
	117					
	118					
	119					
	120					
	121					
	122					
	123					
	124					
	125					
	126					
	127					
	128					
	129					
	130					
	131					
	132					
	133					
	134					
	135					
	136					
	137					
	138					
	139					
	140					
	141					
	142					
	143					
	144					
	145					
	146					
	147					
	148					
	149					
	150					
	151					
	152					
	153					
	154					
	155					
	156					
	157					
	158					
	159					
	160					
	161					
	162					
	163					
	164					
	165					
	166					
	167					
	168					
	169					
	170					
	171					
	172					
	173					
	174					
	175					
	176					
	177					
	178					
	179					
	180					
	181					
	182					
	183					
	184					
	185					
	186					
	187					
	188					
	189					
	190					
	191					
	192					
	193					
	194					
	195					
	196					
	197					
	198					
	199					
	200					
	201					
	202					
	203					
	204					
	205					
	206					
	207					
	208					
	209					
	210					
	211					
	212					
	213					
	214					
	215					
	216					
	217					
	218					
	219					
	220					
	221					
	222					
	223					
	224					
	225					
	226					
	227					
	228					
	229					
	230					
	231					
	232					
	233					
	234					
	235					
	236					
	237					
	238					
	239					
	240					
	241					
	242					
	243					
	244					
	245					
	246					
	247					
	248					
	249					
	250					
	251					
	252					
	253					
	254					
	255					
	256					
	257					
	258					
	259					
	260					
	261					
	262					
	263					
	264					
	265					
	266					
	267					
	268					
	269					
	270					
	271					
	272					
	273					
	274					
	275					
	276					
	277					
	278					
	279					
	280					
	281					
	282					
	283					
	284					
	285					
	286					
	287					
	288					
	289					
	290					
	291					
	292					
	293					
	294					
	295					
	296					
	297					
	298					
	299					
	300					
	301					
	302					
	303					
	304					
	305					
	306					
	307					
	308					
	309					
	310					
	311					
	312					
	313					
	314					
	315					
	316					
	317					
	318					
	319					
	320					
	321					
	322					
	323					
	324					
	325					
	326					
	327					
	328					
	329					
	330					
	331					
	332					
	333					
	334					
	335					
	336					
	337					
	338					
	339					
	340					
	341					
	342					
	343					
	344					
	345					
	346					
	347					
	348					
	349					
	350					
	351					
	352					
	353					
	354					
	355					
	356					
	357					
	358					
	359					
	360					
	361					
	362					
	363					
	364					
	365					
	366					
	367					
	368					
	369					
	370					
	371					
	372					
	373					
	374					
	375					
	376					
	377					
	378					
	379					
	380					
	381					
	382					
	383					
	384					
	385					
	386					
	387					
	388					
	389					
	390					
	391					
	392					
	393					
	394					
	395					
	396					
	397					
	398					
	399					
	400					
	401					
	402					
	403					
	404					
	405					
	406					
	407					
	408					
	409					
	410					
	411					
	412					
	413					
	414					
	415					
	416					
	417					
	418					
	419					
	420					
	421					
	422					
	423					
	424					
	425					
	426					
	427					
	428					
	429					
	430					
	431					
	432					
	433					
	434					
	435					
	436					
	437					
	438					
	439					
	440					
	441					
	442					
	443					
	444					
	445					
	446					
	447					
	448					
	449					
	450					
	451					
	452					
	453					
	454					
	455					
	456					
	457					
	458					
	459					
	460					
	461					
	462					
	463					
	464					
	465					
	466					
	467					
	468					
	469					
	470					
	471					
	472					
	473					
	474					
	475					
	476					
	477					
	478					
	479					
	480					
	481					
	482					
	483					
	484					
	485					
	486					
	487					
	488					
	489					
	490					
	491					
	492					
	493					
	494					
	495					
	496					
	497					
	498					
	499					
	500					
	501					
	502					
	503					
	504					
	505					
	506					
	507					
	508					
	509					
	510					
	511					
	512					
	513					
	514					
	515					
	516					
	517					
	518					
	519					
	520					
	521					
	522					
	523					
	524					
	525					
	526					
	527					
	528					
	529					
	530					
	531					
	532					
	533					
	534					
	535					
	536					
	537					
	538					
	539					
	540					
	541					
	542					
	543					
	544					
	545					
	546					
	547					
	548					
	549					
	550					
	551					
	552					
	553					
	554					
	555					
	556					
	557					
	558					
	559					
	560					
	561					
	562					
	563					
	564					
	565					
	566					
	567					
	568					
	569					
	570					
	571					
	572					
	573					
	574					
	575					
	576					
	577					
	578					
	579					
	580					
	581					
	582					
	583					
	584					
	585					
	586					
	587					
	588					
	589					
	590					
	591					
	592					
	593					
	594					
	595					
	596					
	597					
	598					
	599					
	600					
	601					
	602					
	603					
	604					
	605					
	606					
	607					
	608					
	609					
	610					
	611					
	612					
	613					
	614					
	615					
	616					
	617					
	618					
	619					
	620					
	621					
	622					
	623					
	624					
	625					
	626					
	627					
	628					
	629					
	630					
	631					
	632					
	633					
	634					
	635					
	636					
	637					
	638					
	639					
	640					
	641					
	642					
	643					
	644					
	645					
	646					
	647					
	648					
	649					
	650					
	651					
	652					
	653					
	654					
	655					
	656					
	657					
	658					
	659					
	660					
	661					
	662					
	663					
	664					
	665					
	666					
	667					
	668					
	669					
	670					
	671					
	672					
	673					
	674					
	675					
	676					
	677					
	678					
	679					
	680					
	681					
	682					
	683					
	684					
	685					
	686					
	687					
	688					
	689					
	690					
	691					
	692					
	693					
	694					
	695					
	696					
	697					
	698					
	699					
	700					
	701					
	702					
	703					
	704					
	705					
	706					
	707					
	708					
	709					
	710					
	711					
	712					
	713					
	714					
	715					
	716					
	717					
	718					
	719					
	720					
	721					
	722					
	723					
	724					
	725					
	726					
	727					
	728					
	729					
	730					
	731					
	732					
	733					
	734					
	735					
	736					
	737					
	738					
	739					
	740					
	741					
	742					
	743					
	744					
	745					
	746					
	747					
	748					
	749					
	750					
	751					
	752					
	753					
	754					
	755					
	756					
	757					
	758					
	759					
	760					
	761					
	762					
	763					
	764					
	765					
	766					
	767					
	768					
	769					
	770					
	771					
	772					
	773					
	774					
	775					
	776					
	777					
	778					
	779					
	780					
	781					
	782					
	783					
	784					
	785					
	786					
	787					
	788					
	789					
	790					
	791					
	792					
	793					
	794					
	795					
	796					
	797					
	798					
	799					
	800					
	801					
	802					
	803					
	804					
	805					
	806					
	807					
	808					
	809					
	810					
	811					
	812					
	813					
	814					
	815					
	816					
	817					
	818					
	819					
	820					
	821					
	822					
	823					
	824					
	825					
	826					
	827					
	828					
	829					
	830					
	831					
	832					
	833					
	834					
	835					
	836					
	837					
	838					
	839					
	840					
	841					
	842					
	843					
	844					
	845					
	846					
	847					
	848					
	849					
	850					
	851					
	852					
	853					
	854					
	855					
	856					
	857					
	858					
	859					
	860					
	861					
	862					
	863					
	864					
	865					
	866					
	867					
	868					
	869					
	870					
	871					
	872					
	873					
	874					
	875					
	876					
	877					
	878					
	879					
	880					
	881					
	882					
	883					
	884					
	885					
	886					
	887					
	888					
	889					
	890					
	891					
	892					
	893					
	894					
	895					
	896					
	897					
	898					
	899					
	900					
	901					
	902					
	903					
	904					
	905					
	906					
	907					
	908					
	909					
	910					
	911					
	912					
	913					
	914					
	915					
	916					
	917					
	918					
	919					
	920					
	921					
	922					
	923					
	924					
	925					
	926					
	927					
	928					
	929					
	930					
	931					
	932					
	933					
	934					
	935					
	936					
	937					
	938					
	939					
	940					
	941					
	942					
	943					
	944					
	945					
	946					
	947					
	948					
	949					
	950					
	951					
	952					
	953					
	954					
	955					
	956					
	957					
	958					
	959					
	960					
	961					
	962					
	963					
	964					
	965					
	966					
	967					
	968					
	969					
	970					
	971					
	972					
	973					
	974					
	975					
	976					
	977					
	978					
	979					
	980					
	981					
	982					
	983					
	984					
	985					
	986					
	987					
	988					
	989					
	990					
	991					
	992					
	993					
	994					
	995					
	996					
	997					
	998					
	999					
	1000					

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 4-50

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	102+50 S.
Inst. Sight At	On	# #	Color	Time	Hor. Ang.	Remarks
102+50	2-6A	41	R		90 00	
		42	Y		95 00	

Profile Notes Red. Plotted Job No. Division No. F. B. Pg. 2443

X-Sec. Notes Chkd. Checked Survey By Notes Date

No. Date Date Map No. Date

[illegible]

F. B. 1880 PG. 244

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

Survey of BEACH EROSION STUDY Date _____ Date _____ No. _____

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

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

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

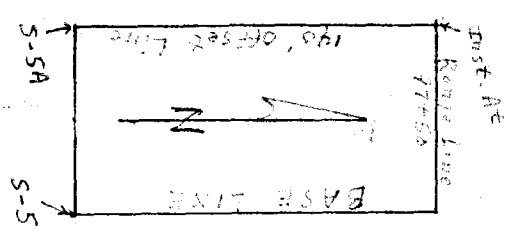
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	97+50-S
Inst. Sight At On 97+50 S-5A	#	Color	Time	Hor. Ang.	Remarks	
	1	B+W	8:08	[illegible]		
	2	R		[illegible]		
	3	Y		[illegible]		
	4	B+W	8:11	[illegible]		
	5	R		[illegible]		
	6	Y		[illegible]		
	7	B+W	8:13	[illegible]		
	8	R		[illegible]		
	9	Y		[illegible]		
	10	B+W	8:16	[illegible]		
	11	R		[illegible]		
	12	Y		[illegible]		
	13	B+W	8:18	[illegible]		
	14	R		[illegible]		
	15	Y		[illegible]		
	16	B+W	8:21	[illegible]		
	17	R		[illegible]		
	18	Y		[illegible]		
	19	B+W	8:23	[illegible]		
	20	R		[illegible]		

RANGE 97+50 S



Profile | Notes Red.____ Plotted____ Job No.____ Division No.____ | F. B. | PG. 245

[redacted]

X-Sec. | Notes Chkd.____ Checked____ Survey By____ [redacted] Date____

No.____ Date____ Date____ Map No.____ Indexed [redacted] Date____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
	[illegible]		1 02			
	3			59°24		
	5					
				55° 29		
				62° 37		
	13			40° 13		
	14			17		
	15					
	16					
	17					
	18					
	19					

F. B. PG. 246

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.

CUT IN 102+50S

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

76L29B 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On		#	Color	Time Hor. Ang.		Remarks
112+60	354 41	R		26.05		
	42	S		25.12		

Profile Notes Red.____ Plotted____ Job No.____ Division No.____ F. B. 1 Pg. 247

Notes Chkd.____ Survey By____ Note____ Date____

No.____ Date____ Checked____ Date____ Map No.____ [redacted] Date____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
107+50	S5A		B+W	8 08	6[illegible] 4		
			R		6[illegible] 9		
		3			6[illegible] 2		
		4	B+W	8 10	6[illegible]		
		5	R		5[illegible]		
		6	Y		5[illegible]		
		7	B+W	8 13	5[illegible] 2		
		8	R		53 6		
		9	Y		54 31		
			B+W	8 16	53 52		
			R		53 6		
			Y		52 9		
			B+W	8 18	51 9		
			R		50 27		
			Y		49 17		
			B+W	8 20	48 0		
			R		47 2		
			Y		46 7		
			B+W	8 22	44 38		
			R		43 2		

CUT IN 97+50S

CUT IN 97+50

F. B. 1886 Pg. 248 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of [illegible] Date Date No. X-Sec.
Survey by [illegible] Notes Chkd. Checked
Indexed [illegible] Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		102+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	7:02	32.4 30.8	31.3	4.6	26.7	1777	1917
2	R		32.1 30.5	31.0	4.6	26.4	1719	1859
3	Y		32.4 30.2	30.9	4.6	26.3	1691	1831
4	B&W	7:06	31.6 30.2	30.7	4.6	26.1	1624	1764
5	R		31.0 30.0	30.3	4.6	25.7	1547	1687
6	Y		31.0 30.5 ?	30.7 ?	4.6	26.1 ?	1454	1594
7	B&W	7:09	29.0 28.0	28.3	4.6	23.7	1408	1548
8	R		29.8 27.9	28.5	4.6	23.9	1386	1526
9	Y		29.7 27.0	27.9	4.6	23.3	1335	1475
10	B&W	7:12	27.7 27.0	27.2	4.6	22.6	1309	1449
11	R		28.1 26.0	26.7	4.6	22.1	1260	1400
12	Y		28.1 26.0	26.7	4.6	22.1	1206	1346
13	B&W	7:15	27.0 25.4	25.9	4.6	21.3	1159	1299
14	R		26.6 25.7	26.0	4.6	21.4	1122	1262
15	Y		26.7 24.9	25.5	4.6	20.9	1059	1199
16	B&W	7:18	25.9 24.5	25.0	4.6	20.4	1012	1152
17	R		24.7 22.1	23.0	4.6	18.4	964	1104
18	Y		25.0 23.4	23.9	4.6	19.3	1025	1165
19	B&W	7:20	24.9 23.1	23.7	4.6	19.1	978	1118
20	R		24.1 22.9	23.3	4.5	18.8	937	1077

Profile Notes Red. Plotted Job No. Division No.
Notes Chkd. Checked Survey by
Date 1-15-54 Date Map No. Date
F. B. 1886 PG. 249

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		102+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		23.8 21.5	22.3	4.5	17.8	892	1032
22	B&W	7:22	22.8 20.5	21.3	4.5	16.8	856	996
23	R		23.0 20.2	21.1	4.5	16.6	824	964
24	Y		22.1 18.9	20.0	4.5	15.5	788	928
25	B&W	7:25	21.2 19.0	19.7	4.5	15.2 ~~14.2~~	764	904
26	R		20.9 18.4	19.2	4.5	14.7	721	861
27	Y		19.1 17.1	17.8	4.5	13.3	670	810
28	B&W	7:27	18.6 16.8	17.4	4.5	12.9	627	767
29	R		17.0 15.0	15.7	4.5	11.2	602	742
30	Y		18.4 16.0	16.8	4.5	12.3	662	802
31	B&W	7:30	17.8 16.0	16.6	4.5	12.1	616	756
32	R		16.2 14.8	15.3	4.5	10.8	585	725
33	Y		18.0 15.0	16.0	4.5	11.5	563	703
34	B&W	7:32	17.0 14.3	15.2	4.5	10.7	520	660
35	R		16.5 13.0	14.2	4.5	9.7	471	611
36	Y		15.0 11.8	12.9	4.5	8.4	454	594
37	B&W	7:35	9.1 7.9	8.3	4.5	3.8	387	527
38	R		13.5		4.5		426	
39	Y		11.3 10.2	10.6	4.5	6.1 ~~4.1~~	424	564
40	B&W	7:40	11.8 9.3	10.1	4.4	5.7	413	553

Boat 102+50S

F. B. 1886 Pg. 250

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

Survey of ____ Date ____ No. ____

Survey by ____ Notes CEM 10/2/53 Notes Chkd ____ Checked ____ X-Sec. ____

Indexed ____ Date ____ Date 1-15-56 Date ____ No. ____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT			102+50 S
#	Color	Time	Hose Depth	Bottom	Tide	Adj. Depth			Remarks
			16.0						
41	R		13.0	14.0	4.4	9.6	490	630	Waves bad
			13.8						
42	Y		12.0	12.0	4.4	8.2	471	611	

Boat 102+50 S

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1886 Pg. 25

No. Date 1-15-54 Date Map No. Engineer Johnson Date

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			97+50 S
Color	Time	Meas. Depth	Bottom Tide		Adj.	Depth	Remarks	
1	B&W	8:07	33.5 31.5	32.2	4.2	28.0	2052	2192
2	R		33.8 31.9 ?	32.5?	4.2	28.3?	1982	2122
3	Y		32.7 30.8	31.4	4.2	27.2	1918	2058
4	B&W	8:10	33.1 31.0	31.7	4.2	27.5	1860	2000
5	R		31.9 30.0	30.6	4.2	26.4	1753	1893
6	Y		30.6 29.5	29.9	4.2	25.7	1611	1751
7	B&W	8:13	32.2 29.0	30.1	4.2	25.9	1582	1722
8	R		29.2 28.7	28.9	4.2	24.7	1506	1646
9	Y		30.0 28.1	28.7	4.2	24.5	1472	1612
10	B&W	8:16	29.0 27.3	27.9	4.2	23.7	1437	1577
11	R		29.2 26.5	27.4	4.2	23.2	1400	1540
12	Y		28.1 27.0	27.4	4.2	23.2	1368	1508
13	B&W	8:18	27.9 26.5	27.0	4.2	22.8	1321	1461
14	R		27.7 26.0	26.6	4.1	22.5	1264	1404
15	Y		27.6 26.0	26.5	4.1	22.4	1218	1358
16	B&W	8:20	28.0 25.8	26.5	4.1	22.4	1172	1312
17	R		26.5 25.0	25.5	4.1	21.4	1130	1270
18	Y		25.7 24.2	24.7	4.1	20.6	1080	1220
19	B&W	8:22	24.6 23.4	23.8	4.1	19.7	1031	1171
20	R		24.9 22.8	23.5	4.1	19.4	982	1122

Boat 97+50

C.B. 1886 Pg. 252 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes CEM 10/2/53 Notes Chkd. Checked X-Sec.
Indexed Date Date 1-15-54 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	97+50 - S.
Inst. At	Sight On	#	# Color	Time	Hor. Ang.	Remarks	
97+50	S-5A	21	Y		90°00		
		22	B & W	8:25	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B & W	8:27	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B & W	8:30	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B & W	8:32	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B & W	8:34	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B & W	8:37	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B & W	8:39	90°00		

Inst. at Range 97+50
100' offset line
S-5A
RANGE 97+50 S

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
Notes Chkd. Checked
E. S. Johnson

F. B. 1884 PG 253

F. B. 1886 Pg. 254 Job No. 8412 Division No. Notes Red. Plotted Profile

Survey of BEACH EROSION STUDY Date Date No.

Survey by FHB Notes TM Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

RANGE 97+50 S

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	RANGE	Remarks
97+50 S-5A	91	R		96 [illegible]		
	92	Y		96 [illegible]		

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION At	Inst. Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
10+30	354	21		Y		42° 17	
		22		B+W	8 25	41° 04	Note INST ON 140 FOOT OFFSET
		23		R		40° 23	
		24		Y		39° 09	
		25		B+W	8 27	38° 14	
		26		R		37° 18	
		27		Y		35° 53	
		28		B+W	8 29	34° 04	
		29		R		32° 47	
		30		Y		31° 20	
		31		B+W	8 31	30° 33	
		32		R		28° 33	
		33		Y		27° 00	
		34		B+W	8 34	25° 48	
		35		R		24° 05	
		36		Y		23° 40	
		37		B+W	8 36	24° 39	
		38		R		23° 36	
		39		Y		22° 05	
		40		B+W	8 39	21° 02	

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. Pg. 235

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

F. B. 1856 Pg. 256

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

Survey of Beach Erosion Studies Date _____ Date _____ No. _____

8 Survey by EHB Notes 15 Notes Chkd. _____ Checked _____ X-Sec.

Indexed [redacted] Date Oct 2/53 Date _____ Date _____ No. _____

CUT 9N 97+50S

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
107+50 SSA	91	R		22 2		
	92	Y		24 6		

CUT 9N 97+50

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

76L296 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		97+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Elevation
21	Y		23.9					
			22.1	22.7	4.1	18.6	950	1090
22	B&W	8:24	23.0					
			21.0	21.7	4.1	17.6	909	1049
23	R		22.9					
			19.8	20.8	4.1	16.7	887	1027
24	Y		23.9					
			20.2	21.4	4.1	17.3	899	989
25	B&W	8:27	22.7					
			19.2	20.4	4.1	16.3	821	961
26	R		21.4					
			19.0	19.8	4.1	15.7	794	934
27	Y		19.4					
			17.8	18.3	4.1	14.2	755	895
28	B&W	8:29	20.0					
			17.5	18.3	4.0	14.3	703	843
29	R		17.7					
			16.3	16.8	4.0	12.8	669	809
30	Y		17.9					
			15.1	16.0	4.0	12.0	634	774
31	B&W	8:32	18.5					
			15.4?	16.4?	4.0	12.4?	616	756
32	R		16.4					
			14.7	15.3	4.0	11.3	566	706
33	Y		15.6					
			13.4	14.1	4.0	10.1	530	670
34	B&W	8:34	15.0					
			13.3	13.9	4.0	9.9	502	642
35	R		13.5					
			11.6	12.2	4.0	8.2	464	604
36	Y		14.0					
			12.6	13.1	4.0	9.1	500	640
37	B&W	8:36	13.1					
			12.2	12.5	4.0	8.5	477	617
38	R		12.0					
			11.0	11.3	4.0	7.3	454	594
39	Y		10.4					
			8.7	9.3	4.0	5.3	422	562
40	B&W	8:39	9.9					
			7.6	8.4	4.0	4.4	400	540

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1886 Pg. 252

No. ____ Date 1-15-54 Date ____ Map No. ____ Date ____

Notes Checked ____ Survey by ____ Signed ____

Mark G. Johnson

Rod 1 77 125

F. B. 1886 Pg. 258

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

Survey of _____ Date _____ Date _____ No. _____

Survey by A. C. Johnson Notes CEM 10/2/53 Notes Chkd. KK Checked _____ X-Sec.

Indexed _____ Date _____ Date 1-15-54 Date _____ No. _____

Boat 97+50 S

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		97+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
41	R		11.8	10.2	3.9	6.3	579
42	Y		9.4	11.8	3.9	7.9	608
			13.5				
			11.0				

76L298 307 4-50

9

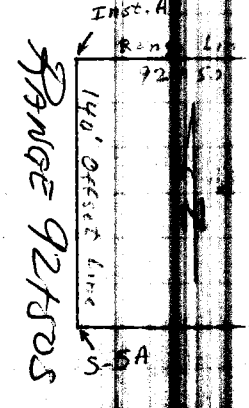
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Range 92+50-S.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At	Sight On	# Color	Time	Hor. Ang.	
92+50 S-5A	1	B&W	8:52	90°00'	
	2	R		[illegible]	
	3	Y		[illegible]	
	4	B&W	8:55	90°00'	
	5	R		90°00'	
	6	Y		[illegible]	
	7	B&W	[illegible]	[illegible]	
	8	R		90°00	
	9	Y		90°00	
	10	B&W	9:01	90°00	
	11	R		90°00	
	12	Y		90°00	
	13	B&W	9:03	90°00	
	14	R		89°53	
	15	Y		90°00	
	16	B&W	9:06	90°00	
	17	R		90°00	
	18	Y		90°00	
	19	B&W	9:08	90°00	
	20	R		90°00	



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 259

No. ____ Date ____ Date ____ Survey of ____

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

Indexed Johnson

5

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Range	92+50
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
92+50	[illegible]	21	Y		[illegible]		
		22	[illegible]	9:11	[illegible]		
		23	R		[illegible]		
		24	Y		9[illegible]0		
		25	[illegible]	9:14	[illegible]		
		26	R		[illegible]		
		27	Y		[illegible]		
		28	[illegible]	9:16	9[illegible]		
		29	R		9[illegible]		
		30	Y		9[illegible]		

Range 92+50S

F. B. 1886 Pg. 266

Job No. [illegible] Division No. [illegible] Notes Red. Plotted Profile

Survey of [illegible] Date Date No.

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

Indexed [illegible] Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

9

CUTIN 92+50

STATION Inst. Sight At	On	B. S.	H. I. #	Color	F. S.	ELEV. Time	Hor. Ang.	Remarks
S5A	S 4A	1	B+W		8 52	62° 03		
		2	R			59° 47		
		3	Y			57° 54		
		4	B+W		8 55	55° 22		
		5	R			56° 15		
		6	Y			54° 56		
		7	B+W		8 58	53° 33		
		8	R			51° 26		
		9	Y			50° 01		
		10	B+W		9 01	48° 40		
		11	R			47° 18		
		12	Y			45° 17		
		13	B+W		9 03	43° 46		
		*14	R			44° 57		
		15	Y			43° 17		
		16	B+W		9 06	41° 52		
		17	R			39° 27		
		18	Y			37° 54		
		19	B+W		9 08	38° 05		
		20	R			38° 10		

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ PG. 261

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S5A	S4A	21	Y		3[illegible] 2		
		22	B+W	9 10	3[illegible] [illegible]		
		23	R		3[illegible] [illegible]		
		24	Y		3[illegible] 4		
		25	B+W	9 14	31 8		
		26	R		31 4		
		27	Y		31 3		
		28	B+W	9 16	29 1		
		29	R		29 8		
		30	Y		29 7		

CUT IN 92450

F. B. 1556 Pg. 262 Job No. 5912 Division No. 10 Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by FAB Notes JS Notes Chkd. Checked X-Sec.
Indexed [illegible] Date 6/2/53 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			92+50 S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
1	BEW	8:52	29.0 27.8	28.2	3.8	24.4		1499	1639
2	R		28.1 26.7	27.2	3.8	23.4	added	1365	1505
3	Y		27.9 26.0	26.6	3.8	22.8	140'	1267	1407
4	BEW	8:55	26.9 24.4	25.2	3.8	21.4	offset	1151	1391
5	R		25.7 24.8	25.1	3.8	21.3		1190	1330
6	Y		25.2 23.5	24.1	3.8	20.3		1133	1273
7	BEW	8:58	26.0 23.5	24.3	3.8	20.5		1076	1216
8	R		25.1 22.0	23.0	3.8	19.2		997	1137
9	Y		23.2 21.1	21.8	3.8	18.0		948	1088
10	BEW	9:01	22.0 20.8	21.2	3.8	17.4		904	1044
11	R		22.3 19.8	20.6	3.8	16.8		862	1002
12	Y		20.1 18.7	19.2	3.8	15.4		803	943
13	BEW	9:03	19.6 17.2	18.0	3.8	14.2		761	901
14	R		20.2 19.2	19.5	3.7	15.8		793	933
15	Y		18.1 16.9	17.3	3.7	13.6		749	889
16	BEW	9:06	19.3 ? 16.8	17.6 ?	3.7	13.9 ?		712	852
17	R		16.5 15.5	15.8	3.7	12.1		646	786
18	Y		16.0 14.1	14.7	3.7	11.0		619	759
19	BEW	9:08	16.0 14.7	15.1	3.7	11.4		623	763
20	R		16.0 14.5	15.0	3.7	11.3		625	765

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Map No. Survey of
Date 1-15-54 Date Date
F. B. 1886 Pg. 263

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		92+50 S	
# Color Time		Meas. Depth	Bottom Tide		Adj. Depth	Remarks	
21 Y		17.0 14.8	15.5	3.7	11.8	618	758
22 B&W	9:10	16.0 14.2	14.8	3.7	11.1	586	726
23 R		14.9 12.3	13.2	3.7	9.5	539	679
24 Y		15.5 13.0	13.8	3.7	10.1	555	695
25 B&W	9:14	13.5 11.2	12.0	3.7	8.3	493	633
26 R		13.0 11.2	11.8	3.6	8.2	482	622
27 Y		13.8 11.5	12.3	3.6	8.7	491	631
28 B&W	9:16	12.4 10.6	11.2	3.6	7.6	453	593
29 R		11.5 9.2	10.0	3.6	6.4	443	583
30 Y		10.7 8.7	9.4	3.6	5.8	442	582

Boat 92+50 S

F. B. 1886 Pg. 264 Job No. Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes CEM 10/2/53 Checked
Indexed C. Johnson Date Date 1-15-54 Date No.

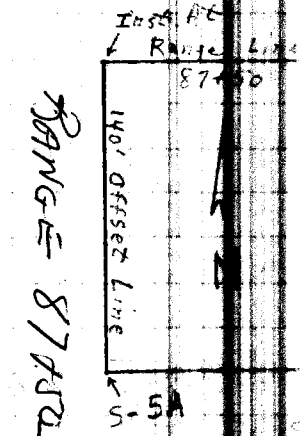
76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	87+50-S.
Inst. Sight At	Sight On		# Color	Time	Hor. Ang.	Remarks	
87+50	S-5A	1	B & W	9:33	89°57		
		2	R		90°00		
		3	Y		90°00		
		4	B & W	9:37	89°45		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	9:39	89°48		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	9:41	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	9:44	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	9:46	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B & W	9:49	90°00		
		20	R		90°00		



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 265

No. ____ Date ____ Date ____ Survey of ____

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

B. 1886 Pg. 266 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile

Survey of BEACH EROSION STUDY | Date | Date | No.

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

Indexed K. C. Johnson | Date | Date | Date | No.

RANGE 87+50S

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	87+50-S.1
Inst. Sight At OR 87+50 S-5A	#	Color	Time	Hor. Ang.		Remarks
	21	Y				
	22	B+W	7:51			
	23	R				
	24	Y				
	25	B+W	7:53			
	26	R				
	27	Y				
	28	B+W	7:55			
	29	R				
	30	Y				
	31	B+W	7:57			

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76L298 307 4-50

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
97+50	S4A	* 1	B+W	9 33	58° 05		
		2	R		56° 19		
		3	Y		55° 17		
		* 4	B+W	9 36	53° 49		
		5	R		52° 11		
		6	Y		50° 15		
		* 7	B+W	9 39	49° 23		
		8	R		48° 17		
		9	Y		46° 40		
		10	B+W	9 41	45° 12		
		11	R		43° 36		
		12	Y		42° 16		
		13	B+W	9 44	40° 52		
		14	R		39° 02		
		15	Y		39° 55		
		16	B+W	9 46	38° 39		
		17	R		37° 04		
		18	Y		35° 17		
		19	B+W	9 49	36° 04		
		20	R		34° 26		

CUT IN 87+50

Profile Notes Red. Plotted Job No. Division No. F. B. Pg. 267

No. Date Date Survey of

No. Date Date Map No. Indexed Date

C. Johnson

Cut In 87+12.8

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

12

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
87+50	[illegible]	21	Y		32 [illegible] 3		
		22	B+W	9 51	30 [illegible] 38		
		23	R		29 [illegible] 8		
		24	Y		28 [illegible]		
		25	B+W	9 53	26 [illegible] 2		
		26	R		25 [illegible] 2		
		27	Y		24 [illegible] 3		
		28	B+W	9 55	24 [illegible]		
		29	R		23 [illegible] 6		
		30	Y		21 [illegible] 3		
		31	B+W	9 57	23 [illegible] 3		

Cut in 87+50S

F. B. 1886 PG. 268
Job No. 8712 Division No. Notes Red. Plotted Profile
Survey of Bazel Erosion Studies Date Date No.
Survey by EHB Notes VS Notes Chkd. Checked X-Sec.
Indexed [illegible] C. Job[illegible] Date Oct 2/57 Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			87+50 S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks	
1	B&W	9:33	31.3 29.0	29.8	3.5	26.3		1636	[illegible]
2	R		28.9 27.4	27.9	3.5	24.4	140 offset added	1500	[illegible]
3	Y		28.2 27.0	27.4	3.5	23.9		1443	[illegible]
4	B&W	9:36	27.5 26.2	26.6	3.5	23.1		1360	[illegible]
5	R		27.8 25.7	26.4	3.5	22.9		1288	[illegible]
6	Y		26.0 24.4	24.9	3.4	21.5		1202	[illegible]
7	B&W	9:38	26.1 24.2	24.8	3.4	21.4		1160	[illegible]
8	R		25.0 23.1	23.7	3.4	20.3		1122	[illegible]
9	Y		23.9 23.0	23.3	3.4	19.9		1060	[illegible]
10	B&W	9:41	24.1 22.3	22.9	3.4	19.5		1007	[illegible]
11	R		23.6 21.1	21.9	3.4	18.5		952	[illegible]
12	Y		22.0 19.9	20.6	3.4	17.2		909	[illegible]
13	B&W	9:43	21.3 19.9	20.4	3.4	17.0		865	[illegible]
14	R		19.2 18.0	18.4	3.4	15.0		810	[illegible]
15	Y		20.8 18.0	18.9	3.4	15.5		837	[illegible]
16	B&W	9:46	20.6 18.1	18.9	3.3	15.6		800	[illegible]
17	R		18.2 17.8	17.9	3.3	14.6		755	[illegible]
18	Y		17.4 16.0	16.5	3.3	13.2		708	[illegible]
19	B&W	9:49	18.5 16.8	17.4	3.3	14.1		729	[illegible]
20	R		16.5 16.0	16.2	3.3	12.9		686	[illegible]

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____
Date ____ Date ____ Survey of ____
No. ____ Date 1-15-54 Date ____ Map No. ____ Line Johnson Date ____

F.B. 1886 Pg. 269

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			87+50 S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
21	Y		17.0 14.9	15.6	3.3	12.3		642	782
22	B&W	9:51	15.2 13.5	14.1	3.3	10.8		592	732
23	R		15.0 13.7	14.1	3.3	10.8		573	713
24	Y		14.9 12.2	13.1	3.3	9.8		535	675
25	B&W	9:53	12.0 11.1	11.4	3.3	8.1		492	632
26	R		12.0 11.0	11.3	3.3	8.0		471	611
27	Y		11.2 9.3	9.9	3.3	6.6		446	586
28	B&W	9:55	12.3 10.5	11.1	3.3	7.8		462	602
29	R		10.7 9.0	9.6	3.3	6.3		437	577
30	Y		8.9 6.0 ?	7.0	3.3	3.7		398	538
31	B&W	9:57	9.7 8.0	8.6	3.3	5.3		429	569

Boat 87+50S

F. B. 1886 Pg. 270 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes CEM 10/2/53 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

76L298 307 4-50

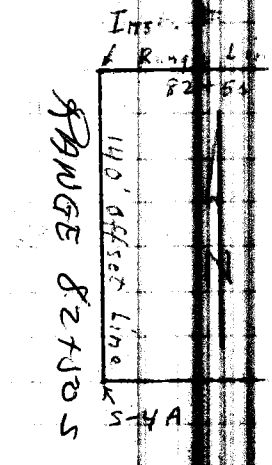
13

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	82+50 - S
Inst. Sight At	On	#	# Color	Time	Hor. Ang.	Remarks	
82+50	S-4A	1	B & W	10:11	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B & W	10:15	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	10:18	90°00		
		8	R		89°39		
		9	Y		90°00		
		10	B & W	10:20	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	10:23	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	10:26	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B & W	10:30	90°00		
		20	R		90°00		



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____
No. ____ Date ____ Date ____ Survey of ____
No. ____ Date ____ Date ____ Map No. ____ Date ____

F. S. 1886 PG. 276

76L298 307 4-50

14

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	M. I.	F. S.	ELEV.	RANGE	82+50 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
82+50	S-4A	21	Y		90 0		
		22	B & W	10:32	90 0		
		23	R		90 7		
		24	Y		90 0		
		25	B & W	10:35	90 0		
		26	R		90 0		
		27	Y		90 0		
		28	B & W	10:36	90 0		
		29	R		90 0		
		30	Y		90 0		
		31	B & W	10:39	90 0		
		32	R		90 0		
		33	Y		90 0		
		34	B & W	10:42	90 0		
		35	R		90 0		
		36	Y		90 0		
		37	B & W	10:46	90 18		

RANGE 82+50 S

F. B. 1886 PG. 272

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

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

Survey by EHB Notes TM Notes Chkd. Checked

Indexed C. Johnson Date Date Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

13

CUTIN 82+75

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	OR	# Color	Time	Hor. Ang.		Remarks
92+50	S 4A	1 B+W	10:11	57° 41		
		2 R		55° 23		
		3 Y		[illegible]		
		4 B+W	10:15	53° 39		Note! Inst on 140 Foot Offset
		5 R		48° 45		
		6 Y		46° 26		
		7 B+W	10:18	46° 27		
		8 R		47° 26		
		9 Y		48° 43		
		10 B+W	10 20	47° 01		
		11 R		44° 55		
		12 Y		44° 00		
		13 B+W	10 22	42° 15		
		14 R		40° 38		
		15 Y		41° 33		
		16 B+W	10 26	44° 26		
		17 R		43° 25		
		18 Y		41° 15		
		19 B+W	10 29	41° 20		
		20 R		41° 28		

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 273

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

14

CUT-IN 82+50

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
92+50	S4A	21	Y		39° 3		
		22	B+W	1031	38° 0		
		23	R		36° 2		
		24	Y		35° 1		
		25	B+W	1034	34° 10		
		26	R		34° 18		
		27	Y		33° 16		
		28	B+W	1036	33° 5		
		29	R		31° 10		
		30	Y		29° 4		
		31	B+W	1039	30° 2		
		32	R		28° 6		
		33	Y		27° 5		
		34	B+W	1041	25° 20		
		35	R		21° 4		
		36	Y		23° 45		
		37	B+W	1046	21° 16		

CUT IN 82+50S

F. B. 1886 Pg. 274

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

Survey of Bezen Erosion Studies Date Date No. X-Sec.

Survey by EHB Notes JS Notes Chkd. Checked No.

Indexed C. Johnson Date Oct 2/53 Date Date

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			82+50S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
1	B&W	10:11	30.7 28.5	29.2	3.1	26.1		1725	1865
2	R		29.3 28.0	28.4	3.1	25.3		1578	1718
3	Y		28.7 26.8	27.4	3.1	24.3		1416	1556
4	B&W	10:14	27.7 26.1	26.6	3.1	23.5		1317	1457
5	R		27.8 26.3	26.8	3.1	23.7		1225	1365
6	Y		25.5 24.5	24.8	3.1	21.7		1125	1265
7	B&W	10:17	25.9 24.0	24.6	3.1	21.5		1141	1281
8	R		25.5 24.5	24.8	3.1	21.7		1173	1313
9	Y		27.3 25.5	26.1	3.1	23.0		1224	1364
10	B&W	10:20	26.0 24.9	25.3	3.1	22.2		1151	1291
11	R		24.9 23.1	23.7	3.1	20.6		1069	1209
12	Y		24.5 23.0	23.5	3.1	20.4		1034	1174
13	B&W	10:23	24.1 22.9	23.3	3.1	20.2		972	1112
14	R		22.8 20.2	21.1	3.1	18.0		915	1055
15	Y		22.6 20.6	21.3	3.0	18.3		948	1088
16	B&W	10:26	25.0 22.9	23.6	3.0	20.6		1048	1188
17	R		23.0 22.9	22.9	3.0	19.9	Very peculiar bottom	1012	1152
18	Y		22.8 21.1	21.7	3.0	18.7		937	1077
19	B&W	10:29	22.1 21.2	21.5	3.0	18.5		940	1080
20	R		23.0 21.1	21.7	3.0	18.7		944	1088

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

Date ____ Date ____ Survey of ____

No. ____ Date 1-15-54 Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1886 PG. 275

Bcu 1821505

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			82+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		22.0 20.4	20.9	3.0	17.9	890	~~1130~~ 1030
22	B&W	10:32	20.9 19.1	19.7	3.0	16.7	838	~~1078~~ 978
23	R		19.2 18.0	18.4	3.0	15.4	792	932
24	Y		19.0 16.6	17.4	3.0	14.4	747	887
25	B&W	10:34	17.5 16.1	16.6	3.0	13.6	732	872
26	R		16.8 15.7	16.1	3.0	13.1	727	867
27	Y		16.4 15.5	15.8	3.0	12.8	711	851
28	B&W	10:36	16.2 15.0	15.4	3.0	12.4	692	832
29	R		15.6 14.3	14.7	2.9	11.8	657	797
30	Y		14.9 12.7	13.4	2.9	10.5	614	754
31	B&W	10:39	15.3 13.6	14.2	2.9	11.3	639	779
32	R		14.1 12.0	12.7	2.9	9.8	587	727
33	Y		13.9 11.1	12.0	2.9	9.1	550	690
34	B&W	10:42	12.8 11.2	11.7	2.9	8.8	507	647
35	R		9.8 8.0	8.6	2.9	5.7	430	570
36	Y		11.8 10.0	10.6	2.9	7.7	471	611
37	B&W	10:46	11.0 8.9	9.6	2.9	6.7	432	572

Boat 82+50S

F.B. 1886 Pg. 276

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

Survey of ____ Date ____ Date ____ No. ____

Survey by ____ Notes CEM 10/2/53 Notes Chkd. [signature] Checked ____ X-Sec. ____

Indexed ____ Date ____ Date 1-15-54 Date ____ No. ____

76L298 307 4-50

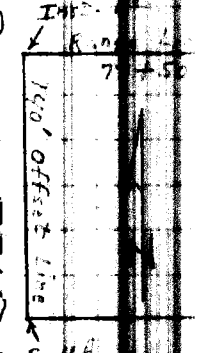
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	77+50-S
Inst. Sight At	On	#	# Color	Time	Hor. Ang.	Remarks	
77+50	S-4A	1	B & W	11:05	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B & W	11:08	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	11:12	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	11:15	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	11:16	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	11:19	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B & W	11:21	90°00		
		20	R		90°00		

RANGE 77+50 S



Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1776 Pg. 277

No. ____ Date ____ Date ____ Survey of ____

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

F.B. 1886 PG. 278

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

Survey of BEACH EROSION STUDY Date _____ Date _____ No. _____

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

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

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	RANGE	77+50-S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
77+50 S-4A	21	Y		[illegible]		
	22	B+W	11:24	[illegible]		
	23	R		[illegible]		
	24	Y		[illegible]		
	25	B+W	11:26	[illegible]		
	26	R		[illegible]		
	27	Y		[illegible]		
	28	B+W	11:28	[illegible]		
	29	R		[illegible]		

RANGE 77+50 S

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

15

CATIN 77+50

STATION At	Inst. Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
S4A	S3A	1	B+W		11 05	60° 03	
		2	R			57° 39	
		3	Y			54° 59	'Note'
		4	B+W		11 07	52° 28	Inst on 140 Foot offset
		5	R			50° 16	
		6	Y			48° 17	
		7	B+W		11 11	48° 27	
		8	R			46° 41	
		9	Y			46° 12	
		10	B+W		11 14	44° 24	
		11	R			43° 59	
		12	Y			43° 29	
		13	B+W		11 16	42° 47	
		14	R			41° 50	
		15	Y			40° 10	
		16	B+W		11 19	38° 29	
		17	R			38° 24	
		18	Y			37° 39	
		19	B+W		11 21	36° 27	
		20	R			36° 12	

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
F. B. Pg. 279

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

16

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S4A	S3A	21	Y		36° 01		
		22	B&W	11 23	35° 17		
		23	R		34° 09		
		24	Y		32° 18		
		25	B&W	11 26	33° 1		
		26	R		34° 6		
		27	Y		32° 14		
		28	B&W	11 28	30° 5		
		29	R		29° 5		

Cut IN 77+50 S

F. B. 1886 PG. 270 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by EHB Notes JS Notes Chkd. Checked
Indexed C. Johnson Date Oct 2/53 Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			77+50 S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
1	B&W	11:05	28.8 27.0	27.6	2.7	24.9	140' offset added	1495	1635
2	R		27.0 26.1	26.4	2.7	23.7		1360	1400 15
3	Y		26.5 25.8	26.0	2.7	23.3		1229	1369
4	B&W	11:08	25.0 24.2	24.5	2.7	21.8		1121	1261
5	R		24.0 23.0	23.3	2.7	20.6		1036	1176
6	Y		22.7 21.3	21.8	2.7	19.1		966	1106
7	B&W	11:11	23.6 22.0	22.5	2.7	19.8		971	1111
8	R		22.9 21.0	21.6	2.7	18.9		914	1054
9	Y		22.1 20.8	21.2	2.7	18.5		898	1038
10	B&W	11:14	21.4 20.0	20.5	2.7	17.8		843	983
11	R		20.8 19.1	19.7	2.7	17.0		831	971
12	Y		20.9 19.0	19.6	2.7	16.9		817	957
13	B&W	11:16	20.2 18.0	18.7	2.7	16.0		797	937
14	R		20.0 16.8	17.9	2.7	15.2		771	911
15	Y		19.0 17.0	17.7	2.7	15.0		727	867
16	B&W	11:19	17.2 15.8	16.3	2.7	13.6		684	824
17	R		16.9 15.0	15.6	2.7	12.9		682	822
18	Y		15.4 14.8	15.0	2.7	12.3		664	804
19	B&W	11:21	14.9 13.7	14.1	2.7	11.4		636	776
20	R		15.0 13.7	14.1	2.6	11.5		630	770

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

Notes Chkd. ____ Date ____ Checked ____ Survey of ____

No. ____ Date 1-15-34 Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1886 Pg. 281

B.S. 77+50 S

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			77+50S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
21	Y		14.1 12.0	12.7	2.6	10.1		626	766
22	B & W	11:23	14.0 11.8	12.5	2.6	9.9		621	741
23	R		15.0 12.9	13.6	2.6	11.0		591	731
24	Y		14.2 12.5	13.1	2.6	10.5		555	695
25	B & W	11:26	12.4 10.9	11.4	2.6	8.8		559	699
26	R		12.0 10.1	10.7	2.6	8.1		583	723
27	Y		12.7 10.0	10.9	2.6	8.3		552	692
28	B & W	11:27	12.3 9.0	10.1	2.6	7.5		509	649
29	R		10.0 8.7	9.1	2.6	6.5		492	632

Boat 77+50S

Profile
Job No. ____ Division No. ____ Notes Red. ____ Plotted ____
Survey of ____ Date ____ Date ____ No. ____
Survey by ____ Notes CEM 10/2/53 Notes Chkd. KK Checked ____ X-Sec.
Indexed ____ Date ____ Date 1-15-54 Date ____ No. ____

F.B. 1886 PG 282

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

72+50 S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth		Remarks
1	B&W	11:46	28.5 27.0	27.5	2.5	25.0	1580	1720
2	R		27.0 26.1	26.4	2.5	23.9	1439	1579
3	Y		26.9 25.0	25.6	2.5	23.1	1323	1463
4	B&W	11:49	27.2 25.1	25.8	2.5	23.3	1298	1388
5	R		24.9 24.1	24.4	2.5	21.9	1134	1274
6	Y		24.0 22.9	23.3	2.5	20.8	1037	1177
7	B&W	11:51	23.6 21.2	22.0	2.5	19.5	972	1112
8	R		21.2 19.9	20.3	2.5	17.8	907	1047
9	Y		21.9 19.0	20.0	2.5	17.5	882	1022
10	B&W	11:53	20.3 18.7	19.2	2.5	16.7	833	973
11	R		19.1 18.0	18.4	2.5	15.9	807	947
12	Y		19.1 17.7	18.2	2.5	15.7	787	922
13	B&W	11:55	18.0 17.0	17.3	2.5	14.8	762	902
14	R		17.8 16.5	16.9	2.5	14.4	757	897
15	Y		16.9 16.1	16.4	2.5	13.9	731	871
16	B&W	11:57	16.1 15.0	15.4	2.5	12.9	710	850
17	R		16.0 15.0	15.3	2.5	12.8	701	841
18	Y		15.9 14.1	14.7	2.5	12.2	670	810
19	B&W	11:58	15.0 13.4	13.9	2.5	11.4	652	792
20	R		16.2 14.0	14.7	2.5	12.2	643	783

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1886 Pg. 28

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date 1-15-54 Date ____ Map No. ____ Date ____

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.				72+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks	
21	Y		15.3 13.4	14.0	2.5	11.5		630	770
22	B&W	11:59	14.0 12.9	13.3	2.5	10.8		609	749
23	R		15.1 12.5	13.4	2.5	10.9		582	722
24	Y		13.9 12.0	12.6	2.5	10.1		563	703
25	B&W	12:01	13.5 12.0	12.5	2.5	10.0		551	691
26	R		12.6 11.2	11.7	2.5	9.2		544	688
27	Y		12.3 11.0	11.4	2.5	8.9		527	667
28	B&W	12:02	12.0 10.0	10.7	2.5	8.2	513		653
29	R		11.0 10.3	10.5	2.5	8.0	483		623
30	Y		11.5 9.9	10.4	2.5	7.9	473		613
31	B&W	12:04	10.3 8.3	9.0	2.5	6.5	447		587
32	R		9.9 7.7	8.4	2.5	5.9	434		574

Boat 72+50 S

Job No. 1886 Pg. 288 Division No. Notes Red. Plotted Profile
Survey of Date No.
Survey by Notes CEM 10/2/53 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date 1-15-54 Date No.

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Cut in 72+50

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	# Color	Time	Hor. Ang.		Remarks
82+50	S3A	1 B+W	11 46	56° 50		
		2 R		54° 27		'Note'
		3 Y		52° 10		Inst on 140 Foot Offset
		4 B+W	11 48	50° 48		
		5 R		47° 54		
		6 Y		45° 18		
		7 B+W	11 51	43° 27		
		8 R		41° 28		
		9 Y		40° 45		
		10 B+W	11 53	39° 16		
		11 R		38° 15		
		12 Y		37° 31		
		13 B+W	11 54	36° 36		
		14 R		36° 24		
		15 Y		35° 34		
		16 B+W	11 56	34° 47		
		17 R		34° 26		
		18 Y		33° 14		
		19 B+W	11 57	32° 35		
		20 R		32° 08		

Cut in 72+50 S

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1886 Pg. 2[illegible]

No. ____ Date ____ Date ____ Survey of ____

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

76L298 307 4-50

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

18

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
82+50	S3A	21	Y		31° 31		
		22	B+W	11 59	30° 41		
		23	R		29° 37		
		24	Y		28° 38		
		25	B+W	12 00	28 8		
		26	R		27 5		
		27	Y		27° 12		
		28	B+W	12 01	32 36 4		
		29	R		32 35° 14		
		30	Y		32 34° 7		
		31	B+W	12 03	32 33° 38		
		32	R		32° 57		

Cut in 72+50 S

Profile
Plotted
Date
No.
X-Sec.
Checked
Date
No.
Notes Red.
Date
Notes Chkd.
Date
Job No. 8412
Division No.
Survey of Beach Erosion Studies
Survey by F H B
Notes JS
Indexed C. Johnson
Date Oct 2/53
1886 Pg. 86

76L298 307 4-50

17

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	72+50 - S
Inst. Sight At	On	##	Color	Time	Hor. Ang.	Remarks	
72+50	S-3A,	1	B + W	11:46	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B + W	11:49	89 40		
		5	R		90°00		
		6	Y		90°00		
		7	B + W	11:51	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B + W	11:53	89°47		
		11	R		90°00		
		12	Y		89°53		
		13	B + W	11:55	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B + W	11:56	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B + W	11:58	90°00		
		20	R		90°00		

Inst. At
Range 72+50
140' offset line
BASE LINE
S-3A
S-3A

Range 72+50 S

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
F. B. 1886 Pg. 283

1886 Pg. 28

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

Survey of BEACH EROSION STUDY Date _____ Date _____

Survey by FHB Notes TM Notes Chkd. _____ Checked _____

Indexed C. Johnson Date _____ Date _____ Date _____

RANGE 72T50S

Inst. Sight At	On	Col	T	Ho	Ang.	Remarks
72+50	S-3A.					
26						
27		B				
28		B+	W	12:02		
29			R			
30			Y			
31		B+	W	12:04		
32			R			

1886