F. B. 178 Pg. 5

Map No.
Office Work
Checked
Date

W. O. Tape No. St'd. °F
Surveyed by
Notes Date
Indexed C. Johnson 10-1-53

HYDROGRAPIC SURVEY

FOR

BEACH EROSION STUDY

~ 1953 ~

SJ 8412 ~ SEPT 15 - SEPT. 23

FROM STA 428+195 to STA 272+65

SHORE PROFILE
By LA CITY
[illegible] F.B. [illegible]-8,50

SOUNDINGS
PARTY
Blanchard
Shoemaker
Uharriet
ANDERSON
Goodwin
Schonfeldt
Krammen
Oben
McCrath
McKnight

Microfilmed Feb '87

This Survey cont in FB ~~1856~~ 1886 Pg. 5

LOS ANGELES COUNTY SURVEYOR
LOS ANGELES COUNTY
Do not extend notes this side of this line.

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

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

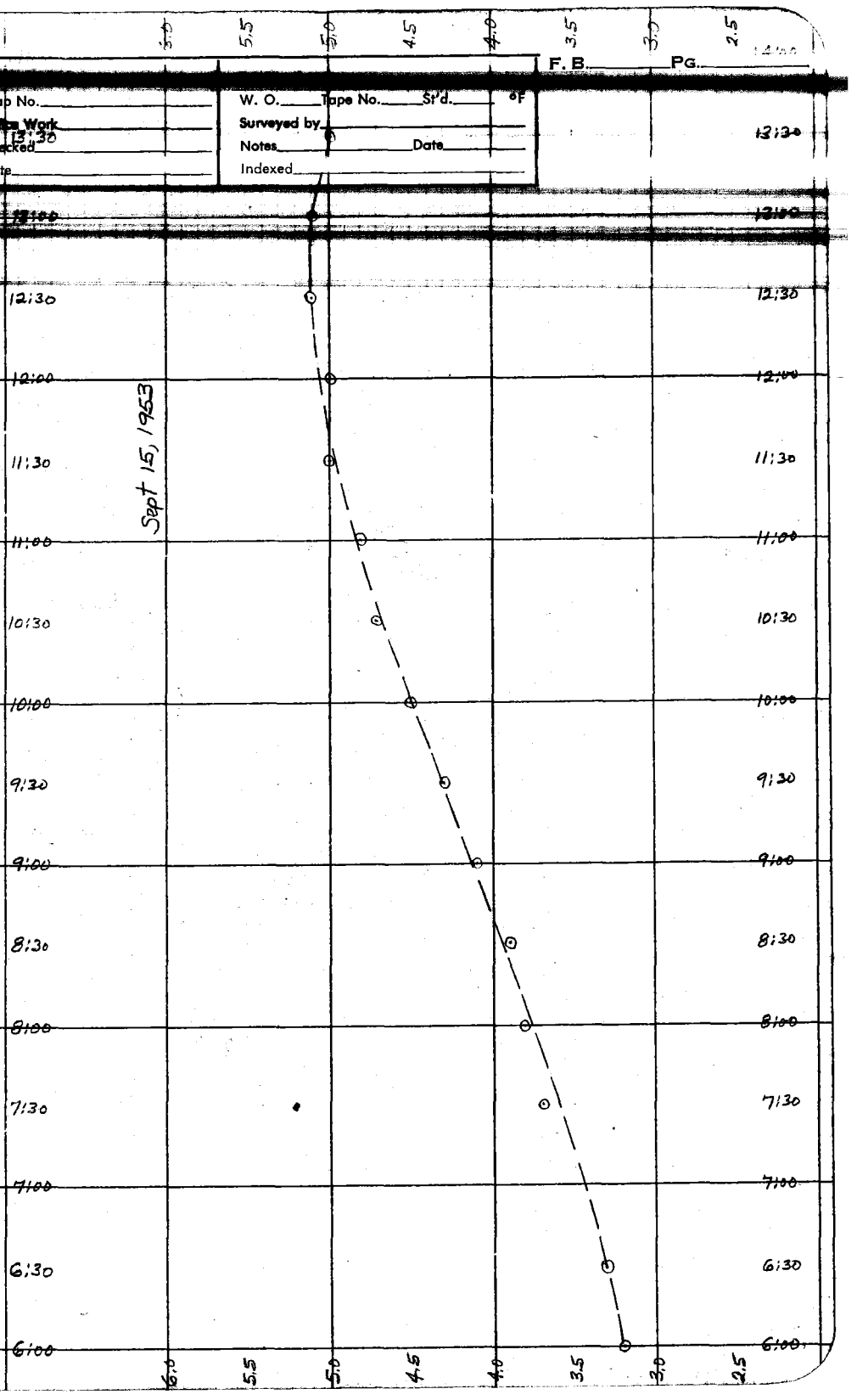
Do not extend notes this side of this line.

F. B. 1885 PG. 6

F. B. _____ PG. _____

Map No. _____
Office Work _____
Checked _____
Date _____

W. O. _____ Tape No. _____ St'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.

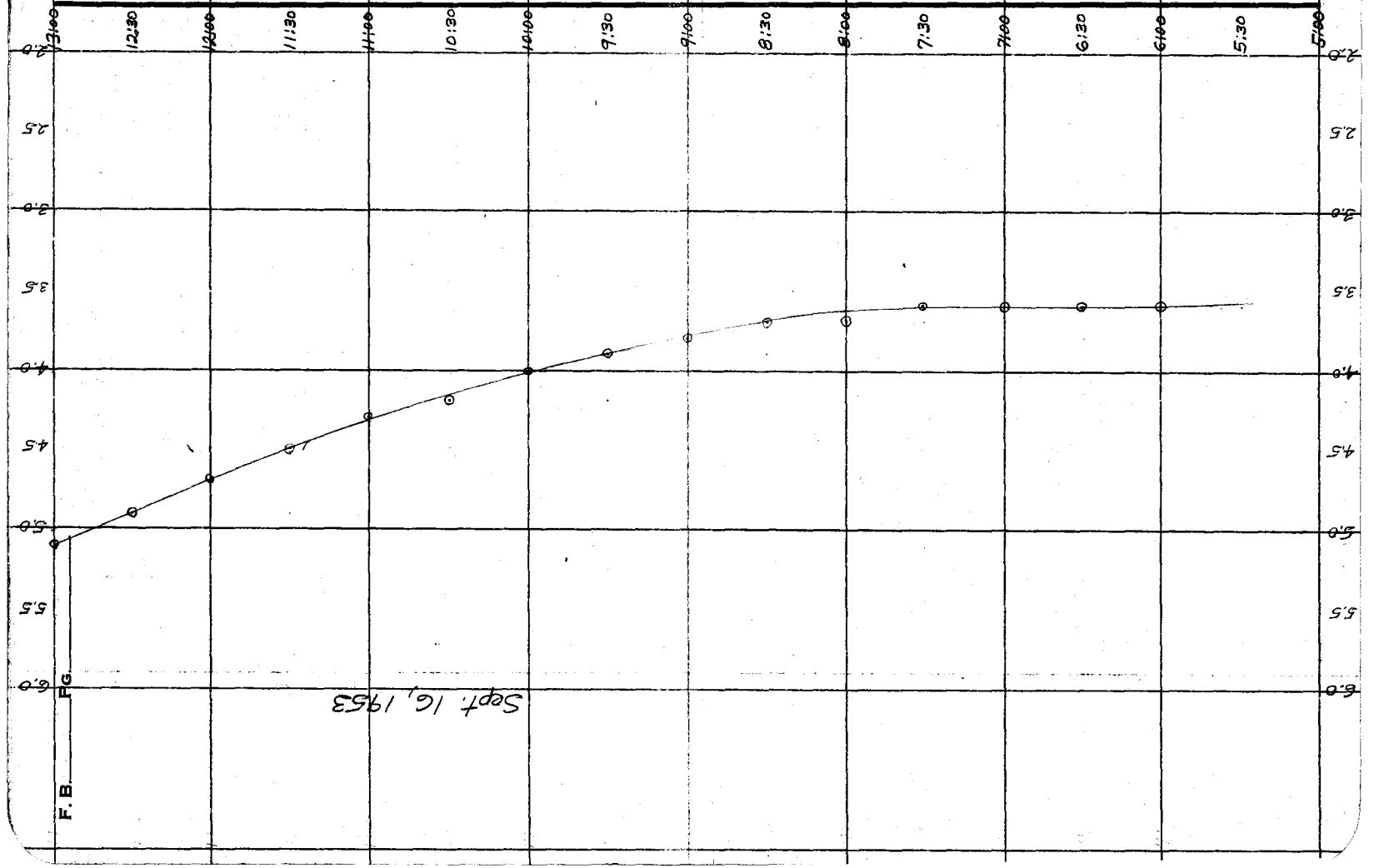
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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.



Map No.
Office Work
Checked
Date

W. O. Tape No. St'd. °F
Surveyed by
Notes Date
Indexed X. C. Johnson
10-1-53

TIDE GAGE

STANDARD TIME SEPT 15 1953

Hour	Tide
6:00 A	3.2
6:30 A	3.3
7:00 A	3.4
7:30 A	3.7
8:00 A	3.8
8:30 A	3.9
9:00 A	4.1
9:30 A	4.3
10:00 A	4.5
10:30 A	4.7
11:00 A	4.8
11:30 A	5.0
12:00 N	5.0
12:30 P	5.1
1:00 P	5.1
1:30 P	5.0
2:00 P.	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. 1805 PG. 8

TIDE GAGE

SEPT 16 1953

STANDARD TIME HOUR	TIDE
6:00	3.6
6:30	3.6
7:00	3.6
7:30	3.6
8:00	3.7
8:30	3.7
9:00	3.8
9:30	3.9
10:00	4.0
10:30	4.2
11:00	4.3
11:30	4.5
12:00	4.7
12:30	4.9
1:00	5.1
1:30	
2:00	

RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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	428+19
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
428+19	S-29	1	B&W	6 04	78° 21'	RANGE	428+19 S
		2	R		78° 21'		
		3	Y		78° 21'		
		4	B&W	6 10	78° 21'		
		5	R		78° 21'		
		6	Y		78° 21'		
		7	B&W	6 13	78° 21'		
		8	R		77° 53'		
		9	Y		78° 21'		
		10	B&W	6 16	78° 21'		
		11	R		78° 21'		
		12	Y		78° 21'		
		13	B&W	6 18	78° 21'		
		14	R		78° 21'		
		15	Y		78° 21'		
		16	B&W	6 22	78° 21'		
		17	R		78° 21'		
		18	Y		78° 21'		
		19	B&W	6 35	78° 21'	CITY OF L.A. F.B. 23934-8	
		20	R		78° 21'		

Range 428+19 S

Profile Notes Red. ____ Plotted ____ Job No. 91/12 Division No. ____ F. B. 1885 Pg. 9

No. ____ Date ____ Date ____ Survey By ____ Notes Chkd. ____ Checked ____ Map No. ____ Indexed Johnson Date 10-1-53

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	428+19 S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
428+19	S-29	21	Y		78° 21'		
		22	B&W	6 38	78° 21'		
		23	R		78° 21'		
		24	Y		78° 21'		
		25	B&W	6 40	78° 21'		
		26	R		78° 21'		
	*	27	Y		78° 44'		
		28	B&W	6 42	78° 21		
		29	R		78° 21'		
		30	Y		78° 21'		
	*	31	B&W	6 44	78° 58'		
		32	R		78° 21'		
		33	Y		78° 21		

Range 428+19 S

F. B. 1885 Pg. 10 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by F.H.B. Notes J.C.G. Notes Chkd. Checked
Indexed R. C. Johnson Date Sept. 15, 1953 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 Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
428+19	S 29	1	B+W	6 04	62°59	CUT IN 428+19 S
		2	R	6 08	61°46	Cut in 428+19 S
		3	Y	6 09	61°22	
		4	B+W	6 10	60°01	
		5	R	6 11	59°19	
		6	Y	6 12	58°19	
		7	B+W	6 13	57°15	
		*8	R	6 14	55°59	
		9	Y	6 15	55°23	
		10	B+W	6 16	55°08	
		11	R	6 17	54°35	
		12	Y	6 18	53°42	
		13	B+W	6 18	53°07	
		14	R	6 20	52°23	
		15	Y	6 21	51°27	
		16	B+W	6 22	50°18	
		17	R	6 33	49°53	
		18	Y	6 34	48°15	
		19	B+W	6 35	47°23	
		20	R	6 36	45°46	

Cut in 428+19 S

Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. ____ F. B. 1885 Pg. 11

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

No. ____ Date ____ Date ____ Map No. ____ [illegible] 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. 188 Pg. 12 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile
Survey of Beach Erosion Study | Date | Date | No.
Survey by EHB | Notes | Notes Chkd. | Checked | X-Sec.
Indexed C. Johnson | Date Sept 15 53 | Date | Date | No.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
423+19	S 29	21	Y	6 37	44° 47		RANGE 428+19 S
		22	B+W	6 38	44° 03		
		23	R	6 39	43° 07		
		24	Y	6 40	41° 59		
		25	B+W	6 40	40° 14		
		26	R	6 42	38° 37		
		*27	Y	6 42	36° 13		
		28	B+W	6 42	34° 51		
		29	R	6 43	33° 39		
		30	Y	6 44	31° 43		
		*31	B+W	6 44	29° 47		
		32	R	6 45	26° 17		
		33	Y	6 46	22° 41		

Range 428+19 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.

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

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

No. ____ Date 1-18-56 Date ____ Map No. ____ Date ____

F.B. 1885 Pg. 13

428+19

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Mean Depth	Bottom	Tide	Adj. Depth	Remarks DISTANCE	
1	B&W	6:04 ~~6:05~~	32.2 31.7	31.9	3.2	28.7	1681	
2	R		30.6 29.4	29.8	3.2	26.6	1540	
3	Y		28.8 27.7	27.7	3.2	24.5	1497	
4	B&W	6:10	26.5 25.5	25.8	3.2	22.6	1372	
5	R		25.8 24.8	25.1	3.2	21.9	1318	
6	Y		24.5 23.3	23.7	3.2	20.5	1238	
7	B&W	6:13	23.4 22.0	22.5	3.2	19.3	1163	
8	R		21.8 20.9	21.2	3.2	18.0	1110	
9	Y		21.0 19.6	20.1	3.3	16.8	1052	
10	B&W	6:16	21.0 19.0	19.7	3.3	16.4	1040	
11	R		19.8 19.0	19.3	3.3	16.0	1009	
12	Y		19.1 18.2	18.5	3.3	15.2	967	
13	B&W	6:18	18.4 17.4	17.7	3.3	14.4	940	
14	R		17.8 17.0	17.3	3.3	14.0	904	
15	Y		17.4 16.0	16.5	3.3	13.2	864	
16	B&W	6:22 ~~6:21~~	16.4 15.0	15.5	3.3	12.2	820	WENT TO SHOT TO GET STRAIGHT
17	R		15.8 15.1	15.3	3.3	12.0	801	
18	Y		16.1 15.0	15.4	3.3	12.1	746	

428+19

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.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
19	B&W	6:35	14.8 / 14.2	14.4	3.3	11.1	720	
20	R		12.8 / 11.7	12.1	3.3	8.8	666	ROCKY BOTTOM
21	Y		12.5 / 11.8	12.0	3.3	8.7	642	DIFICULT SOUND
22	B&W	6:38	13.0 / 12.0	12.3	3.3	9.0	620	
23	R		12.0 / 11.0	11.3	3.3	8.0	597	
24	Y		12.8 / 11.9	12.2	3.3	8.9	567	
25	B&W	6:40	12.1 / 10.9	11.3	3.3	8.0	526	
26	R		10.6 / 10.0	10.2	3.3	6.9	490	
27	Y		9.5 / 8.9	9.1	3.3	5.8	440	
28	B&W	642	10.2 / 9.1	9.5	3.3	6.2	418	" "
29	R		8.9 / 7.8	8.2	3.3	4.9	398	
30	Y		9.0 / 7.5	8.0	3.3	4.7	364	
31	B&W	6:44	8.0 / 6.9	7.3	3.3	4.0	330	
32	R		8.0 / 6.5	7.0	3.3	3.7	282	
33	Y						233	

Boat 428+195

F.B. 1855 PG. 14

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

Survey of BEACH EROSION STUDIES Date Date X-Sec.

Survey by C. Johnson Notes 9/15/53 Notes Chkd. KK Checked

Indexed Date Date 1-19-54 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.	Range	423+19 S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
423+19	S-29	1	B&W	7 08	78° 21'		
		2	R		78° 21'		
	*	3	Y		80° 00'		
		4	B&W	7 11	78° 21'		
		5	R		78° 21'		
		6	Y		78° 21'		
		7	B&W	7 14	78° 21'		
		8	R		78° 21'		
		9	Y		78° 21'		
		10	B&W	7 17	78° 21'		
		11	R		78° 21'		
		12	Y		78° 21'		
		13	B&W	7 21	78° 21'		
		14	R		78° 21'		
		15	Y		78° 21'		
		16	B&W	7 24	78° 21'		
		17	R		78° 21'		
		18	Y		78° 21'		
		19	B&W	7 27	78° 21'	CITY OF L.A. F.B. 23934-9	
		20	R		78° 21		

Profile Notes Red ____ Plotted ____ Job No. 8113 Division No. ____ F.B. 1885 Pg. 15

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

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

RANGE 423+19 S

F.B. 1885 PG. 16 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed R. O. Johnson Date Sept. 15, 1953 Date _____ Date _____ No. _____

Range 423+19 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	423+19 S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
423+19 S-29	21	Y		78° 21'		
	22	B&W	7 30	78° 21'		
	23	R		78° 21'		
	24	Y		78° 21'		
	25	B&W	7 33	78° 21'		
	26	R		78° 21'		
	27	Y		78° 21'		
	28	B&W	7 34	78° 21'		
	29	R		78° 21'		
	30	Y		78° 21'		
	31	B&W	7 36	78° 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.

STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
428+19	S 28	1	B+W	7 08	84°58	CUTIN 423+19
		2	R	7 08	84° 02	
		* 3	Y	7 09	81° 56	
		4	B+W	7 11	82° 33	
		5	R	7 12	81° 09	
		6	Y	7 13	80° 15	
		7	B+W	7 14	79° 04	
		8	R	7 15	77° 46	
		9	Y	7 16	76° 04	
		10	B+W	7 17	75° 04	
		11	R	7 18	74° 01	
		12	Y	7 20	73° 29	
		13	B+W	7 21	71° 44	
		14	R	7 22	70° 23	
		15	Y	7 23	68° 47	
		16	B+W	7 24	67° 42	
		17	R	7 25	67° 03	
		18	Y	7 26	66° 00	
		19	B+W	7 27	63° 50	
		20	R	7 28	61° 59	

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 PG. 17

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

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

CUTIN 423+19 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.

418+19

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		CUT IN 423+19
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
428+19	S 28	21	Y	7 29	59° 18		
		22	B+W	7 30	56° 15		
		23	R	7 31	53° 46		
		24	Y	7 32	51° 05		
		25	B+W	7 33	49° 02		
		26	R	7 33	45° 56		
		27	Y	7 34	43° 35		
		28	B+W	7 34	41° 09		
		29	R		37° 49		
		30	Y		34° 38		
		31	B+W	7 36	33° 09		

Cut In 423+19 S

F. B. 1885 Pg. 18

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

Survey of Beach Erosion Studies Date Date No.

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

Indexed G. Johnson Date Sept 15 53 Date Date No.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

423+19

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	7:08	32.0 / 30.8	31.2	3.5	27.7	1730	
2	R		30.5 / 30.0	30.2	3.5	26.7	1645	
3	Y		30.4 / 29.0	29.5	3.5	26.0	1570	
4	B&W	7:11	28.6 / 27.6	27.9	3.5	24.4	1517	
5	R		27.4 / 26.5	26.8	3.5	23.3	1411	
6	Y		27.0 / 25.7	26.1	3.5	22.6	1350	
7	B&W	7:14	26.1 / 24.4	25.0	3.5	21.5	1279	
8	R		24.7 / 23.8	24.1	3.5	20.6	1210	
9	Y		24.0 / 23.3	23.5	3.5	20.0	1121	
10	B&W	7:17	24.1 / 22.5	23.0	3.5	19.5	1081	
11	R		23.7 / 22.6	23.0	3.5	19.5	1040	
12	Y		21.9 / 20.7	21.1	3.5	17.6	1020	
13	B&W	7:21	21.9 / 20.4	20.9	3.5	17.4	956	
14	R		20.2 / 19.0	19.4	3.6	15.8	910	
15	Y		19.0 / 17.6	18.1	3.6	14.5	860	
16	B&W	7:24	18.3 / 16.8	17.3	3.6	13.7	829	
17	R		17.7 / 16.4	16.8	3.6	13.2	810	
18	Y		17.4 / 15.8	16.3	3.6	12.7	789	
19	B&W	7:27	15.4 / 14.4	14.7	3.6	11.1	710	
20	R		15.2 / 14.1	14.5	3.6	10.9	690	

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

X-Sec. Notes Chkd. [illegible] Checked ____ Survey by ____ Notes ____ Date 1/15/55

No. ____ Date 1-18-54 Date ____ Map No. ____ Date ____

F.B. 1885 Pg. 19

BOAT 423+19.5

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.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		14.8 13.0	13.6	3.6	10.0	641	
22	B&W	7:30 ~~7:31~~	12.5 11.5	11.8	3.6	8.2	587	
23	R		11.7 10.0	10.6	3.6	7.0	546	
24	Y		10.9 10.0	10.3	3.6	6.7	506	ROCKY BOTTOM
25	B&W	7:33	10.7 8.7	9.4	3.6	5.8	477	
26	R		10.5 9.0	9.8	3.6	6.2	435	
27	Y		11.0 8.9	9.6	3.6	6.0	408	
28	B&W	7:34	12.0 9.5	10.3	3.6	6.7	380	
29	R.		9.0 8.0	8.3	3.6	4.7	343	
30	Y		8.0 7.0	7.3	3.6	3.7	310	
31	B&W	7:36	7.1 6.0	6.4	3.6	2.8	294	

Boat 423+195

F.B. 1885 PG. 20

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

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

Survey by ____ Notes ____ Notes Chkd. KK Checked ____

Indexed R. C. Johnson Date ____ Date 18-54 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.

Range 418+19 S

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
418+19	S-29	1	B&W	8 38	90° 00'	
		2	R		90° 00'	
		3	Y		90° 00'	
		4	B&W	8 42	90° 00'	
		5	R		90° 00'	
		6	Y		90° 00'	
	*	7	B&W	8 46	90° 22'	
		8	R		90° 00'	
		9	Y		90° 00'	
		10	B&W	8 49	90° 00'	
		11	R		90° 00'	
		12	Y		90° 00'	
		13	B&W	8 52	90° 00'	
		14	R		90° 00'	
		15	Y		90° 00'	
		16	B&W	8 54	90° 00'	
	*	17	R		90° 30'	
		18	Y		90° 00'	
		19	B&W	8 57	90° 00'	CITY OF L.A. F.B. 23934-10
		20	R		90° 00'	

Profile Notes Red ____ Plotted ____ Job No. 9419 Division No. ____

Notes Chkd. ____ Checked ____ Survey by ____ Notes ____

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

RANGE 418+19 S

F.B. 1885 PG. 21

F.B. 1885 Pg. 22 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 C. Johnson Date Sept. 15, 1953 Date _____ Date _____ No. _____

Range 418+19 S

STATION	B.S.	H.I.	F.S.	ELEV.	Range 418+19 S
Inst. Sight At OH	#	Color	Time	Hor. Ang.	Remarks
418+19 S-28	21	Y		9[illegible] 00'	
	22	B&W	8 59	9[illegible] 00'	
	23	R		9[illegible] 00'	
	24	Y		9[illegible] 00'	
	25	B&W		No sheets	
	26	R			
	27	Y			
	28	B&W			

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.

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 418+[illegible]
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
408+19	S28	1	B+W	8:38	59° 40		
		2	R		57° 41		
		3	Y		56° 04		
		4	B+W	8:42	54° 29		
		5	R		50° 40		
		6	Y		48° 32		
		* 7	B+W	8:46	46° 05		
		8	R		43° 02		
		9	Y		44° 08		
		10	B+W	8:49	40° 46		
		11	R		38° 02		
		12	Y		36° 09		
		13	B+W	8:51	34° 01		
		14	R		32° 15		
		15	Y		30° 36		
		16	B+W	8:55	28° 56		
		* 17	R		27° 25		
		18	Y		26° 07		
		19	B+W	8:57	23° 30		
		20	R		21° 27		

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1685 Pg. 23

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

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

CUTIN 418+[illegible]

F. B. 1885 PG. 24 | 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 15/53 | Date | Date | No.

Cut In 418+195

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
~~Inst. Sight~~ At On	#	Color	Time	Her. Ang.	
408+19 S 28	21	Y	8 59	20° 25	
	22	Brn		18° 19	
	23	R		16° 43	
	24	Y		13° 14	
					Cut In 418+195

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 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.			418+195
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1 B&W	8:38	33.1 / 31.4 / 31.4	31.9	4.0	27.9	1709	
2 R		30.2 / 29.8	30.9	4.0	26.9	1581	
3 Y		28.3	28.8	4.0	24.8	1486	
4 B&W	8:42	30.6 / 28.5 / 27.7	~~29.1~~ OK	4.0	~~25.1~~ OK	1401	
5 R		26.3	26.8	4.0	22.8	1220	
6 Y		27.0 / 25.0	25.7	4.0	21.7	1132	
7 B&W	8:46	26.8 / 24.8 / 21.7	25.2	4.1	21.1	1039	
8 R		19.7	20.4	4.1	16.3	933	
9 Y		22.7 / 21.8	22.1	4.1	18.0	970	
10 B&W	8:49	19.2 / 17.8	18.3	4.1	14.2	862	
11 R		18.0 / 16.3	16.9	4.1	12.8	782	
12 Y		18.3 / 16.8	~~17.3~~ OK	4.1	~~13.2~~ OK	721	
13 B&W	8:52	16.0 / 14.7	15.1	4.1	11.0	675	
14 R		15.4 / 14.5	14.8	4.1	10.7	631	
15 Y		14.8 / 13.0	13.6	4.1	9.5	591	
16 B&W	8:55	12.9 / 12.0	12.3	4.1	8.2	553	
17 R		12.8 / 11.8	12.1	4.1	8.0	518	
18 Y		12.9 / 11.9	12.2	4.1	8.1	490	

Equal 1.12.1195

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

No.....Notes Chkd. 1-18-54 Checked.....Survey by.....Notes.....Date.....

Date.....Map No.....Adjusted Jobnotes Date.....

F.B. 1685 PG. 25

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.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
19	B&W	8:57	11.8	10.6	4.1	6.5	435
20	R		10.0	10.3	4.1	6.2	393
21	Y		12.0	10.2	4.1	6.1	366
22	B&W	8:59	9.5	8.6	4.1	4.5	331
23	R		10.9	9.1	4.1	5.0	300
24	Y		9.8	7.3	4.1	3.2	272
	B&W		9.7				
	R		8.0				
	Y		10.0				
	B&W		8.7				
	R		8.6				
	Y		6.7				
	B&						

Boat 418+195

F.B. 1805 PG. 26

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

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

Survey by L. C. Johnson Notes ____ Notes Chkd. KK Checked ____ Date ____ No. ____

Indexed ____ Date ____ Date 1-18-56

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 413+19 S
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks
413+19 5-28	1	B&W	9 15	90° 00'	
	2	R		90° 00'	
	3	Y		90° 00'	
	4	B&W	9 17	90° 00'	
	5	R		90° 00'	
	6	Y		90° 00'	
	7	B&W	9 20	90° 00'	
	8	R		90° 00'	
	9	Y		90° 00'	
	10	B&W	9 23	90° 00'	
	11	R		90° 00'	
	12	Y		90° 31'	
	13	B&W	9 26	90° 00'	
	14	R		90° 00'	
	15	Y		90° 00'	
	16	B&W	9 28	90° 00'	
	17	R		90° 51'	
	18	Y		90° 00'	
	19	B&W	9 30	90° 00'	CITY OF L.A. F.B. 23934-11
	20	R		89° 16'	

RANGE 413+19 S

Profile Notes Red ____ Plotted ____ Job No. 2417 Division No. ____ F.B. 1285 Pg. 27

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

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

F.B. 1885 PG. 28 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed C. Johnson Date Sept. 15, 1953 Date _____ Date _____ No. _____

Range 413+19 S

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At	#	Color	Time	Hor. Ang.	Range	413+19 S
413+19 S-28	21	Y	9 32	90 00'		
	22	B&W		90 00'		

Remarks

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.

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 413+19

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
403+19	S 28	1	B+W	9:15	55° 36	
		2	R		53° 43	
		3	Y		52° 43	
		4	B+W	9:17	50° 59	
		5	R		49° 19	
		6	Y		47° 35	
		7	B+W	9:20	45° 56	
		8	R		44° 29	
		9	Y		42° 41	
		10	B+W	9:23	39° 22	
		11	R		37° 53	
		* 12	Y		36° 30	
		13	B+W	9:25	33° 23	
		14	R		31° 06	
		15	Y		28° 53	
		16	B+W	9:28	26° 52	
		* 17	R		24° 14	
		18	Y		21° 02	
		19	B+W	9:30	19° 21	
		* 20	R		18° 06	

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 PG. 29

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

Cut in 413+19 S

F. B. 1885 Pg. 30

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

Cut In 413+19 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. B.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.		Remarks
403+19 S 28	21	Y		15° 20		Cut In 413+19
	22	B+W	9.32	14° 08		
	23	R				
	24	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.

Profile Notes Red. Plotted Job No. Division No. F. B. 1885 PG. 31

No. Date Notes Chkd. Checked Survey By Date

No. Date Date Map No. Date

STATION		B. S.	H. I.	F. S.	ELEV.			413+19 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	9:15	30.2 29.5	29.7	4.2	25.5	1460	
2	R		29.0 27.7	28.1	4.2	23.9	1362	
3	Y		28.6 27.0	27.5	4.2	23.3	1313	
4	B&W	9:17	28.2 26.0	26.7	4.2	22.5	1234	
5	R		27.9 26.0	26.6	4.2	22.4	1163	
6	Y		27.0 25.0	25.7	4.2	21.5	1094	
7	B&W	9:20	25.8 24.4	24.9	4.2	20.7	1033	
8	R		23.5 22.6	22.9	4.3	18.6	981	
9	Y		22.9 22.0	22.3	4.3	18.0	922	
10	B&W	9:23	21.0 19.8	20.2	4.3	15.9	820	Rocky Bottom
11	R		19.6 18.3	18.7	4.3	14.4	778	Rocky Bottom, difficult
12	Y		18.8 18.0	18.3	4.3	14.0	737	
13	B&W	9:26	16.7 15.8	16.1	4.3	11.8	659	
14	R		15.0 13.8	14.2	4.3	9.9	603	
15	Y		14.2 13.3	13.6	4.3	9.3	552	
16	B&W	9:28	13.0 12.0	12.3	4.3	8.0	507	
17	R		12.9 11.6	12.0	4.3	7.7	450	
18	Y		11.7 9.8	10.4	4.3	6.1	385	
19	B&W	9:31	10.2 9.0	9.4	4.3	5.1	351	
20	R		10.2 8.6	9.1	4.3	4.8	331	

F. B. 1865 Pg. 32 | Job No. | Division No. | Notes Red. | Plotted | Profile

Survey of | Date | Date | No.

Survey by [redacted] Johnson | Notes CEM 9/15/53 | Notes Chkd. KK | Checked | X-Sec.

Indexed | Date | Date 1-18-5R | Date | No.

413+19S Boat

STATION	B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		7.9	7.3	4.3	3.0	274
22	B&W	9:33	7.0	6.2	4.3	1.9	252
			6.9				
			5.8				

413+19S

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 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	408+195
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
408+16	S-28	1	B&W	9 47	90° 00'		
		2	R		90° 00'		
		3	Y		90° 16'		
		4	B&W	9 52	90° 00'		
		5	R		90° 00'		
		6	Y		90° 00'		
		7	B&W	9 56	90° 00'		
		8	R		90° 20'		
		9	Y		90° 00'		
		10	B&W	9 59	90° 21'		
		11	R		90° 00'		
		12	Y		90° 00'		
		13	B&W	10 02	90° 00'		
		14	R		90° 00'		
		15	Y		90° 00'		
		16	B&W	10 06	90° 00'		
		17	R		90° 00'		
		18	Y		90° 00'		
		19	B&W	10 09	91° 05'	CITY OF L.A. F.B. 23934-12	
		20	R		90° 00'		

RANGE 408+195

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

F.B. 1865 PG. 33

Notes Chkd. Checked Survey by Notes Date

No. Date Date 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.	Range	403+19 S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
403+19	S-28	1	B&W	10:27	90° 00'		
		2	R		89° 31'		
		3	Y		90° 00'		
		4	B&W	10:32	90° 19'		
		5	R		90° 00'		
		6	Y		90° 46'		
		7	B&W	10:36	90° 00'		
		8	R		90° 00'		
		9	Y		90° 00'		
		10	B&W	10 40	90° 00'		
		11	R		90° 00'		
		12	Y		90° 00'		
		13	B&W	10:42	90° 00		
		14	R		90° 00'		
		15	Y		91° 06'		
		16	B&W	10 46	90° 54'		
		17	R		90° 00'		

Range 403+19 S

F.B. 1885 Pg. 34 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 R. C. Johnson Date Sept. 15, 1953 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.

CUTIN 406+19

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
398+19	S 28	1	B+W	9:47	54° 42	
		2	R		53° 05	
		* 3	Y		52° 20	
		4	B+W	9:52	50° 32	
		5	R		48° 02	
		6	Y		46° 27	
		7	B+W	9:56	44° 47	
		* 8	R		43° 38	
		9	Y		41° 15	
		* 10	B+W	9:59	38° 49	
		11	R		35° 15	
		12	Y		37° 00	
		13	B+W	10:02	32° 36	
		14	R		29° 48	
		15	Y		27° 09	
		16	B+W	10:06	24° 51	
		17	R		22° 02	
		18	Y		20° [illegible]9	
		* 19	B+W	10:09	17° 50	
		20	R		15° 41	

CUTIN 406+19

Profile Notes Red. ____ Plotted ____ Job No. 3412 Division No. ____ F. B. 1885 Pg. 35

No. ____ Date ____ Date ____ Map No. ____ Indexed 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. 1885 Pg. 36 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile
Survey of Beach Erosion Studies | Date | Date | No.
Survey by E.H.B. | Notes C.S. | Notes Chkd. | Checked | X-Sec.
Indexed R. C. Johnson | Date Sept 15/53 | Date | Date | No.

CUTIN 403+19 S

STATION ~~Inst. Sight~~ At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
393+19	S 28	1	B+W	10:27	53° 47	
		* 2	R		51° 52	
		3	Y		48° 36	
		* 4	B+W	10:32	46° 27	
		5	R		43° 12	
		* 6	Y		40° 28	
		7	B+W	10:36	37° 11	
		8	R		35° 42	
		9	Y		32° 29	
		10	B+W	10:40	29° 05	
		11	R		26° 19	
		12	Y		23° 54	
		13	B+W	10:42	26° 05	
		14	R		23° 19	
		* 15	Y		20° 21	
		* 16	B+W	10 46	16° 33	
		17	R		17° 41	

OUT IN 403+19 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.			408+19 S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1 B&W	9:48	31.7 30.6	31.0	4.4	26.6	1412	
2 R		29.7 28.0	28.6	4.4	24.2	1331	
3 Y		29.0 27.7	28.1	4.4	23.7	1290	
4 B&W	9:52	28.2 26.2	26.9	4.4	22.5	1215	
5 R		26.2 25.2	25.5	4.4	21.1	1119	
6 Y		25.0 24.1	24.4	4.5	19.9	1052	
7 B&W	9:56	23.9 22.8	23.2	4.5	18.7	994	
8 R		23.9 22.5	23.0	4.5	18.5	951	
9 Y		22.4 21.5	21.8	4.5	17.3	877	
10 B&W	9:59	21.1 20.0	20.4	4.5	15.9	802	
11 R		19.0 17.1	17.7	4.5	13.2	707	
12 Y		20.5 19.0	19.5	4.5	15.0	771	
13 B&W	10:03	17.3 16.2	16.6	4.5	12.1	640	
14 R		16.0 14.1	14.7	4.5	10.2	573	
15 Y		14.2 12.7	13.2	4.5	8.7	513	
16 B&W	10:07	11.8 11.0	11.3	4.5	6.8	463	
17 R		11.4 10.5	10.8	4.5	6.3	405	
18 Y		11.2 10.0	10.4	4.5	5.9	367	
19 B&W	10:09	9.3 8.0	8.4	4.6	3.8	322	
20 R		8.5< 7.7	8.0	4.6	3.4	281	

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

No. ____ Date 1-18-54 Date ____ Map No. ____ Date ____

F. B. 1865 Pg. 37

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.

403+19S

STATION		S. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	BEW	10:27	31.7 30.8	31.1	4.7	26.4	1365
2	R		31.5 29.0	29.8	4.7	25.1	1290
3	Y		27.5 27.0	27.2	4.7	22.5	1134
4	BEW	10:33	26.7 25.5	25.9	4.7	21.2	1050
5	R		25.0 23.5	24.0	4.7	19.3	946
6	Y		23.1 22.0	22.4	4.7	17.7	845
7	BEW	10:36	21.8 19.8	20.5	4.7	15.8	759
8	R		22.0 21.0	21.3	4.7	16.6	719
9	Y		19.8 18.0	18.6	4.7	13.9	637
10	BEW	10:41	16.5 15.7	16.0	4.7	11.3	556
11	R		15.0 13.6	14.1	4.7	9.4	495
12	Y		13.7 11.2	12.0	4.7	7.3	443
13	BEW	10:43	14.0 13.1	13.4	4.7	8.7	490
14	R		12.2 11.4	11.7	4.7	7.0	431
15	Y		10.0 9.1	9.4	4.8	4.6	368
16	BEW	10:47	8.8 7.6	8.0	4.8	3.2	297
17	R		9.0 8.0	8.3	4.8	3.5	318

Boat 403+19S

F. B. 1885 Pg. 38
Job No. ____ Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of ____ Date ____ Date ____ No. ____
Survey by ____ Notes CEM 9/15/53 Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed L. C. Johnson Date ____ Date 1-18-54 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.

Range 398+19 S

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
398+19	S-28	1	B&W	11 04	90° 25'	
		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 18	90° 00'	
		14	R		90° 36'	
		15	Y		89° 27'	
		16	B&W	11 23	90° 00'	
		17	R		90° 00'	

CITY OF L.A. F.B. 23934-14

Range 398+19 S

Profile Notes Red ____ Plotted ____ Job No. 8417 Division No. ____

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

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

F.B. 1885 PG. 39

F.B. 1885 PG. 40 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 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.	
Inst. Sight On	#	Color	Time	Hor. Ang.	Remarks

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.

CUTIN 398+19

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
393+19	S-28	* 1	B+W	11:04	65° 56		
		2	R		63° 49		
		3	Y		61° 22		
		4	B+W	11:08	58° 44		
		5	R		56° 20		
		6	Y		56° 55		
		7	B+W	11:12	54° 49		
		8	R		52° 47		
		9	Y		50° 22		
		10	B+W	11:15	48° 49		
		11	R		47° 09		
		12	Y		45° 27		
		13	B+W	11:18	44° 15		
		* 14	R		40° 16		
		* 15	Y		35° 27		
		16	B+W	11:23	32° 35		
		17	R		29° 13		
		[illegible]	Y				
		[illegible]	B+W				
		[illegible]	R				

Profile Notes Red ____ Plotted ____ Job No. [illegible] Division No. ____ F.B. 1885 Pg. 41

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

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

CUT IN 398+19 S

F.B. 1885 PG. 42 Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date No.

Survey by R. C. Johnson Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

761.298 307 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.Sight At On	#	Color	Time	Hor.Ang.	Remarks

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.

398+19 S

STATION #	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B & W	11:04	30.5 29.5	29.8	4.9	24.9	1101
2	R		28.0 27.0	27.3	4.9	22.4	1017
3	Y		26.8 25.2	25.7	4.9	20.8	916
4	B & W	11:08	24.5 23.2	23.6	4.9	18.7	823
5	R		22.4 21.2	21.6	4.9	16.7	751
6	Y		22.8 21.6	22.0	4.9	17.1	767
7	B & W	11:13	21.4 20.4	20.7	4.9	15.8	709
8	R		19.8 18.8	19.1	4.9	14.2	658
9	Y		18.3 17.7	17.6	4.9	12.7	604
10	B & W	11:15	17.2 15.9	16.3	4.9	11.4	571
11	R		15.8 14.5	14.9	4.9	10.0	539
12	Y		15.6 13.7	14.3	4.9	9.4	508
13	B & W	11:19	14.5 13.2	13.6	4.9	8.7	487
14	R		13.4 12.4	12.1	4.9	7.2	422
15	Y		11.9 9.8	10.5	4.9	5.6	360
16	B & W	11:23	9.7 8.6	9.0	4.9	4.1	320
17	R		7.7 6.5	6.9	4.9	2.0	280
18	Y						

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

Proj. Sec. Notes Chkd. Checked Survey by Notes

No. Date Date Map No. Indexed Date Date

F.B. 1883 Pg. 18

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.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
19	BEW						
20	R						
21	Y						
22	BEW						
23	R						
24	Y						
25	BEW						
26	R						
27	Y						
28							
29							
30							

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

Survey of

Survey by

Indexed E. C. Johnson

F.B. 185 Pg. 44

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	393+19S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
393+19	5-28	1	B&W	5 42	90° 00'	Run #1	
		2	R		90° 00'		
		3	Y		90° 00'		
		4	B&W	5 45	90° 00'		
		5	R		90° 00'		
		6	Y		90° 00'		
		7	B&W	5 47	90° 00'		
		8	R		90° 00'		
		9	Y		90° 00'		
		10	B&W	5 49	90° 00'		
		11	R		90° 00'		
		12	Y		90° 00'		
		13	B&W	5 51	90° 00'		
		14	R		90° 00'		
		15	Y		90° 00'		
		16	B&W	5 53	90° 00'		
		17	R		90° 00'		
		18	Y		90° 00'		
		19	B&W	5 54	90° 00'	CITY OF L.A. F.B. 23934-15	
		20	R		90° 00'		

Profile Notes Red. Plotted Job No. 9012 Division No. F.B. 1885 Pg. 45

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

No. Date Date Map No. [illegible] Date

Range 393+19S

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 393+19 S

Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
393+19	5-28	21	Y		90° 00'	
		22	B&W	5 56	90° 00'	
		23	R		89° 32'	

Range 393+19 S

F.B. 180 Pg. 46 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile No.

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

Survey by F.H.P. | Notes J.C.G. | Notes Chkd. | Checked

Indexed J. C. Johnson | Date Sept 16, 1953 | 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.		
							CUTIN 393+19
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
398+19	S·27	1	B+W	5:43	69° 17		
		2	R		67° 56		
		3	Y		66° 49		
		4	B+W	5:46	65° 47		
		5	R		64° 05		
		6	Y		62° 37		
		7	B+W	5:48	61° 13		
		8	R		59° 27		
		9	Y		57° 41		
		10	B+W	5:50	55° 47		
		11	R		54° 45		
		12	Y		52° 59		
		13	B+W	5:52	51° 42		
		14	R		49° 31		
		15	Y		47° 46		
		16	B+W	5:53	47° 04		
		17	R		45° 27		
		18	Y		44° 11		
		19	B+W	5:55	42° 01		
		20	R		40° 11		

Profile Notes Red. Plotted Job No. 9412 Division No.

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

No. Date Date Map No. [illegible] Date

F.B. 1885 PG. 47

CUTIN 393+19.5

F.B. 1885 PG 48 Job No. F412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed K. C. Johnson Date Sept 16/53 Date _____ Date _____ No. _____

Cut In 393+195

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.	
	21	Y		37° 42	
	22	B+W	5.57	31 52	
	* 23	R		33 31	

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 10-51

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.

393+19

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	5:42	31.3 30.8	31.0	3.6	27.4	1322	
2	R		30.7 29.8	30.1	3.6	26.5	1233	
3	Y		29.9 28.0	28.6	3.6	25.0	1168	
4	B&W	5:45	28.8 28.0	28.3	3.6	24.7	1112	
5	R		27.4 26.2	26.6	3.6	23.0	1029	
6	Y		26.7 25.9	26.2	3.6	22.6	965	
7	B&W	5:47	25.6 24.8	25.1	3.6	21.5	910	
8	R		24.7 23.3	23.8	3.6	20.2	847	
9	Y		22.4 21.6	21.9	3.6	18.3	790	
10	B&W	5:49	21.2 20.0	20.4	3.6	16.8	735	
11	R		20.3 19.2	19.6	3.6	16.0	707	
12	Y		18.4 17.0	17.5	3.6	13.9	681	
13	B&W	5:51	17.2 16.0	16.4	3.6	12.8	633	
14	R		16.7 14.0	14.9	3.6	11.3	585	
15	Y		14.7 13.0	13.6	3.6	10.0	551	
16	B&W	5:53	14.0 13.3	13.5	3.6	9.9	537	
17	R		14.7 12.7	13.4	3.6	9.8	508	
18	Y	[illegible]	13.5 11.6	12.2	3.6	8.6	486	
19	B&W	5:54	11.7 11.2	11.4	3.6	7.8	450	
20	R		11.3 10.7	10.9	3.6	7.3	422	

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

Notes Chkd. ____ Checked ____ Survey By ____ Notes ____

Date 1-18-54 Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1885 PG. 49

Seat 393+19 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.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		11.7				
			10.2	10.7	3.6	7.1	386
22	B&W	5:56	9.8				
			8.6	9.0	3.6	5.4	348
23	R		8.0				
			7.2	7.5	3.6	3.9	330

Boat 393+19.5

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd. Date

Division No. Job No. Notes Date

Survey of

Survey by K. C. Johnson

Indexed

F.B. 1885 Pg 50

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	388+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
388+00	5-27	1	B&W	6 11	90° 00'	Run #2	
		2	R		90° 00'		
		3	Y		90° 00'		
		4	B&W	6 14	90° 00'		
		5	R		90° 00'		
		6	Y		90° 00'		
		7	B&W	6 17	90° 00'		
		8	R		90° 00'		
		9	Y		90° 00'		
		10	B&W	6 19	90° 00'		
		11	R		90° 00'		
		12	Y		90° 00'		
		13	B&W	6 21	90° 00'		
		14	R		90° 00'		
		15	Y		90° 00'		
		16	B&W	6 23	90° 00'		
		17	R		90° 00'		
		18	Y		90° 00'		
		19	B&W	6 25	90° 00'	CITY OF L.A. F.B. 23934-16	
		20	R		90° 00'		

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

F.B. 1885 Pg. 51

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

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

RANGE 388+00 S

F.B. 1885 PG 52 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 Sept. 16, 1953 Date _____ Date _____ No. _____

Range 383+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	
Inst. Sight At	#	Color	Time	Hor. Ang.	Remarks	383+00 S
383+00	1	B&W	6 35	90°00'	Run #3	
	2	R		90°00'		
	3	Y		90°00'		
	4	B&W	6 38	90°00'		
	5	R		90°00'		
	6	Y		90°00'		
	7	B&W	6 39	90°00'		
	8	R		90°00'		
	9	Y		90°00'		
	10	B&W	6 42	90°00'		
	11	R		90°00'		
	12	Y		90°00'		
	13	B&W	6 44	90°00'		
	14	R		90°00'		
	15	Y		90°00'		
	16	B&W	6 46	90°00'		
	17	R		90°00'		
	18	Y		90°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.

CUTIN 388+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
378+00	S-27	1	B+W	6:12	47°37		
		2	R		45° 33		
		3	Y		43° 45		
		4	B+W	6:14	41° 28		
		5	R		38°38		
		6	Y		36° 22		
		7	B+W	6:17	37° 48		
		8	R		35° 34		
		9	Y		33° 32		
		10	B+W	6:20	34° 39		
		11	R		31° 47		
		12	Y		32° 42		
		13	B+W	6:22	30° 25		
		14	R		28° 55		
		15	Y		27°00		
		16	B+W	6:24	25° 31		
		17	R		23° 24		
		18	Y		22° 07		
		19	B+W	6:26	20° 23		
		20	R		18° 13		

CUT IN 388+00S

Profile Notes Red. Plotted Job No. Division No.

F.B. 1865 PG. 53

Notes Chkd. Checked Survey by Notes Date

No. Date Date Map No. Date

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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	COTIN 383+00 S
373+00 S	27	1	B+W	6:31	44° 22		
		2	R		42° 17		
		3	Y		40° 07		
		4	B+W	6:33	38° 06		
		5	R		36° 37		
		6	Y		35° 31		
		7	B+W	6:35	33° 29		
		8	R		31° 54		
		9	Y		30° 00		
		10	B+W	6:38	28° 11		
		11	R		27° 07		
		12	Y		25° 41		
		13	B+W	6:44	24° 38		
		14	R		22° 57		
		15	Y		21° 22		
		16	B+W	6:46	18° 59		
		17	R		17° 40		
		18	Y		16° 17		

Cut In 383+00 S

F.B. 1885 PG 54 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Bazch Erosion Studies Date Date No. X-Sec.
Survey by FHB Notes JS Notes Chkd. Checked
Indexed K. C. Johnson Date Sept 16/53 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.	BOAT	388+00 S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1 BEW	6:11	29.4 28.0 28.2	28.5	3.6	24.9	1096
2 R		28.9 26.2	27.3	3.6	23.7	1019
3 Y		25.5 25.3	25.7	3.6	22.1	958
4 BEW	6:14	23.8 23.3	24.3	3.6	20.7	884
5 R		22.1 21.3	22.5	3.6	18.9	799
6 Y		20.2 23.1	20.6	3.6	17.0	736
7 BEW	6:17	21.9 20.6	22.3	3.6	18.7	776
8 R		20.0 18.8	20.2	3.6	16.6	715
9 Y		18.1 19.5	18.3	3.6	14.7	663
10 BEW	6:19	18.5 17.4	18.8	3.6	15.2	691
11 R		15.8 17.8	16.3	3.6	12.7	620
12 Y		16.8 16.6	17.1	3.6	13.5	642
13 BEW	6:21	14.7 15.2	15.3	3.6	11.7	587
14 R		13.8 14.2	14.3	3.6	10.7	552
15 Y		12.9 13.3	13.3	3.6	9.7	509
16 BEW	6:23	12.6 12.4	12.8	3.6	9.2	477
17 R		11.7 11.2	11.9	3.6	8.3	433
18 Y		10.3 9.8	10.6	3.6	7.0	406
19 BEW	6:25	9.3 9.3	9.3	3.6	5.7	372
20 R		7.7	8.2	3.6	4.6	329

Station 388+00 S

Profile X-Sec. Notes Red. Plotted Job No. Division No.

No. Notes Chkd. Date 1-18-54 Checked Date Survey by Map No. Notes Date

F.B. 1885 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.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT	383+00 S

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	6:35	29.8 28.6	29.0	3.6	25.4	978
2	R		28.8 27.5	27.9	3.6	24.3	909
3	Y		26.7 25.2	25.7	3.6	22.1	843
4	B&W	6:38	24.4 23.6	23.9	3.6	20.3	784
5	R		24.0 22.1	22.7	3.6	19.1	743
6	Y		22.3 20.3	21.0	3.6	17.4	714
7	B&W	6:40	20.1 18.7	19.2	3.6	15.6	661
8	R		18.2 17.2	17.5	3.6	13.9	622
9	Y		16.9 15.7	16.1	3.6	12.5	577
10	B&W	6:42	15.9 14.7	15.1	3.6	~~11.4~~ 11.5	535
11	R		15.3 13.2	13.9	3.6	10.3	512
12	Y		13.7 13.0	13.2	3.6	9.6	480
13	B&W	6:44	13.8 11.9	12.5	3.6	8.9	458
14	R		13.0 11.6	12.1	3.6	8.5	423
15	Y		12.4 10.2	10.9	3.6	7.3	391
16	B&W	6:46	10.1 8.9	9.3	3.6	5.7	344
17	R		9.6 8.0	8.5	3.6	4.9	319
18	Y		8.5 7.0	7.5	3.6	3.9	292

~~Cut~~ 383+00 S

F.B. 1885 PG. 56 Job No. ____ Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of ____ Date ____ Date ____ No. ____
Survey by ____ Notes CEM 9/16/53 Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed A. C. Johnson Date ____ Date 1-18-54 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.	Range	378+00.5
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
378+00	5-27	1	B&W	6 57	90° 00'	Run #4	
		2	R		90° 00'		
		3	Y		90° 00'		
		4	B&W	7 06	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 23	90° 00'		
		14	R		90° 00'		
		15	Y		90° 00'		
		16	B&W	7 25	90° 00'		
		17	R		90° 00'		
		18	Y		90° 00'		
						CITY OF L.A. F.B. 23934-18	

Profile Notes Red. Plotted Job No. Division No. F.B. 1885 PG. 57

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

No. Date Date Map No. Date

Range 378+00.5

F.B. 1885 Pg. 58 Job No. _____ Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date Sept. 16, 1953 Date _____ Date _____ No. _____

Range 373+00 S

STATION	B.S.	H.I.	F.S.	ELEV.		Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.		
373+00 S-27	1	B&W	7:45	90°00'	Run #5	
	2	R	7:46	90°00'		
	3	Y	7:47	90°00'		
	4	B&W	7:48	90°00'		
	5	R		90°00'		
	6	Y		90°00'		
	7	B&W	7:50	90°00'		
	8	R		90°00'		
	9	Y		90°00'		
	10	B&W	7:53	90°00'		
	11	R		90°00'		
	12	Y		90°45'		
	13	B&W	7:57	90°00'		
	14	R		90°00'		
	15	Y		90°00'		
	16	B&W	7:59	90°00'		
	17	R		90°00'		
	18	Y		90°00'		
	19	B&W	8:00	90°00'		
	20	R		90°00'		

RANGE 373+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.

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 378+00 S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
368+00	S-27	1	B+W	6:58	44° 51		
		2	R		37° 46		
		3	Y		37° 52		
		4	B+W	7:06	38° 31		
		5	R		42° 09		
		6	Y		33° 00		
		7	B+W	7:18	33° 33		
		8	R		35° 11		
		9	Y		31° 44		
		10	B+W	7:21	29° 53		
		11	R		28° 35		
		12	Y		26° 41		
		13	B+W	7:24	24° 07		
		14	R		22° 44		
		15	Y		21° 13		
		16	B+W	7:26	18° 29		
		17	R		17° 10		
		18	Y		16° 09		

Profile No. Notes Red Plotted Job No. 8412 Division No. F.B. 1885 Pg. 59

Notes Chkd. Checked Survey by Notes

No. Date Date Map No. Indexed Johnson Date

Cut In 378+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.		CUT IN 373+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
368+00	S-27	1	B+W	7:46	65° 45		
		2	R		64° 05		
		3	Y		62° 56		
		4	B+W	7:48	62° 14		
		5	R		60° 54		
		6	Y		59° 39		
		7	B+W	7:51	58° 30		
		8	R		56° 42		
		9	Y		5[illegible] [illegible]9		
		10	B+W	7:53	53° 45		
		11	R		51° 55		
		* 12	Y		50° 07		
		13	B+W	7:57	48° 49		
		14	R		47° 29		
		15	Y		45° 50		
		16	B+W	7:59	44° 26		
		17	R		43° 00		
		18	Y		41° 31		
		19	B+W	8:01	40° 36		
		20	R		39° 08		

Cut In 373+00 S

F.B. 1885 PG. 60 Job No. 8412 Division No. [illegible] Notes Red. Plotted No. Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by FHB Notes JS Notes Chkd. Checked
Indexed K. C. Johnson Date Sept 16/53 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.	BOAT		378+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	6:57	30.4 28.5	29.1	3.6	25.5	995	
2	R		26.2 23.0	24.1	3.6	20.5	775	
3	Y		25.7 24.4	24.8 ~~25.2~~	3.6	21.2 ~~21.6~~	778	
4	B&W	7:05	25.7 23.8	24.4	3.6	20.8	795	
5	R		28.4 26.7	27.3	3.6	23.7	905	
6	Y		21.6 20.5	20.9	3.6	17.3	649	
7	B&W	7:18	22.7 20.8	21.4	3.6	17.8	663	
8	R		23.0 22.0	22.3	3.6	18.7	705	
9	Y		21.8 19.0	19.9	3.6	16.3	618	
10	B&W	7:21	19.0 17.8	18.2	3.6	14.6	575	
11	R		18.0 17.0	17.3	3.6	13.7	549	
12	Y		17.0 15.0	15.7	3.6	12.1	503	
13	B&W	7:23	14.9 13.4	13.9	3.6	10.3	448	
14	R		14.5 12.5	13.2	3.6	9.6	419	
15	Y		13.5 11.5	12.2	3.6	8.6	388	
16	B&W	7:25	11.4 9.5	10.1	3.6	6.5	334	
17	R		10.0 8.5	9.0	3.6	5.4	309	
18	Y		10.4 7.0	8.1	3.6	4.5	290	

BOAT 378+00S

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

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

No. ____ Date 1-18-54 Date ____ Map No. ____ Indexed J. Johnson Date ____

F.B. 1885 PG. 61

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	373+00 S

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	7:46	31.4 30.2	30.6	3.6	27.0	1109
2	R		30.4 28.7	29.3	3.6	25.7	1049
3	Y		29.7 28.3	28.8	3.6	25.2	978
4	B&W	7:48	29.0 27.9	28.3	3.6	24.7	950
5	R		28.0 26.5	27.0	3.6	23.4	898
6	Y		27.0 25.6	26.1	3.6	22.5	854
7	B&W	7:51	26.0 24.9	25.3	3.6	21.7	815
8	R		25.2 23.8	24.3	3.6	20.7	761
9	Y		23.5 22.5	22.8	3.6	19.2	723
10	B&W	7:53	22.3 21.0	21.4	3.6	17.8	683
11	R		21.7 19.9	20.5	3.6	16.9	638
12	Y		19.2 18.0	18.4	3.6	14.8	594
13	B&W	7:57	19.7 17.2 ?	18.0 ?	3.6	14.4	571
14	R		18.8 17.3	17.8	3.6	14.2	545
15	Y		17.4 16.0	16.5	3.6	12.9	515
16	B&W	7:59	16.4 15.2	15.6	3.6	12.0	490
17	R		14.8 14.3	14.5	3.6	10.9	466
18	Y		14.9 13.2	13.8	3.6	10.2	443
19	B&W	8:01	14.5 12.5	13.2	3.6	9.6	428
20	R		13.2 12.0	12.4	3.6	8.8	407

Boat 373+00 S

F.B. 1885 PG. 62

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

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

Survey by ____ Notes CEM 9/16/53 Notes Chkd. [illegible] Checked ____

Indexed A. C. Johnson Date ____ Date 1-18-56 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.

RANGE 373+00 S

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
373+00	S-27	21	Y	8:02	90°00'	Run # 5 Continue	
		22	B & W	8:03	90°00'		
		23	R		90°00'		
		24	Y	8:04	90°15'		

CITY OF L.A. F.B. 23934-19

RANGE 373+00 S

Profile Notes Red. Plotted Job No. 9417 Division No.

F.B. 1885 PG. 63

Notes Chkd. Checked Survey by Notes Chkd. Date

No. Date Date 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.

F.B. 1885 PG. 64 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile
Survey of: Beach Erosion Study | Date | Date | No.
Survey by: | Notes: Shoemaker | Notes Chkd. | Checked | X-Sec.
Indexed: E. C. Johnson | Date | Date | Date | No.

RANGE 368+00

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
368+00	5-27	1	B & W	8:15	90° 57'	Run # 6
		2	R		90° 00'	
		3	Y		90° 00'	
		4	B & W	8:18	90° 00'	
		5	R		90° 00'	
		6	Y		90° 00'	
		7	B & W	8:20	90° 00'	
		8	R		89° 46'	
		9	Y		90° 00'	
		10	B & W	8:23	90° 00'	
		11	R		90° 00'	
		12	Y		90° 00'	
		13	B & W	8:25	90° 00'	
		14	R		90° 00'	
		15	Y		90° 36'	
		16	B & W	8:27	90° 00'	
		17	R		90° 00'	
		18	Y		90° 00'	
		19	B & W	8:29	90° 00'	
		20	R		90° 00'	

Range 368+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.		CUT IN 373+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
368+00	S-27	21	Y		36° 31		
		22	B&W	8 03	34° 09		
		23	R		33° 00		
		24	Y		31° 35		
			B				

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 PG. 65

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

Cut In 373+00S

F.B. 1885 PG. 66 Job No. 8412 Division No. Notes Red. Plotted Profile

Survey of BEACH EROSION STUDIES Date Date No.

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

Indexed A. C. Johnson Date Sept 16/53 Date Date No.

Cut In 368+00S

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. Sight At On	#	Color	Time	Hor. Ang.	Remarks	CUT IN 368+00S
373+00 S-26	* 1	B+W	8:16	64° 54		
	2	R		64° 37		
	3	Y		63° 47		
	4	B+W	8:18	63° 11		
	5	R		62° 37		
	6	Y		61° 34		
	7	B+W	8:20	60° 18		
	* 8	R		60° 08		
	9	Y		58° 46		
	10	B+W	8:23	57° 59		
	11	R		56° 33		
	12	Y		55° 22		
	13	B+W	8:25	53° 43		
	14	R		52° 16		
	* 15	Y		50° 25		
	16	B+W	8:28	48° 37		
	17	R		47° 28		
	18	Y		45° 33		
	19	B+W	8:30	42° 12		
	20	R		42° 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.			373+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		13.2 11.0	11.7	3.6	8.1	370	
22	B&W	8:03	11.3 10.0	10.4	3.6	6.8	339	
23	R		10.2 9.0	9.4	3.6	5.8	325	
24	Y		9.0 7.8	8.2	3.6	4.6	307	

Profile No. Date Notes Red. Date Plotted Date Job No. 8412 Division No. Survey of
No. Date 1-19-54 Date Map No. Indexed Johnson Date
F. B. 1885 Pg. 67

Boat 373+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.

368+00 S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	B&W	8:15	31.0 / 30.0	30.3	3.7	26.6	1110
2	R		30.0 / 28.8	29.2	3.7	25.5	1058
3	Y		29.2 / 28.0	28.4	3.7	24.7	1015
4	B&W	8:18	28.1 / 27.2	27.5	3.7	23.8	989
5	R		29.0 / 26.5	27.3	3.7	23.6	965
6	Y		27.5 / 26.5	26.8	3.7	23.1	923
7	B&W	8:20	27.3 / 25.4	26.0	3.7	22.3	895
8	R		26.2 / 24.9	25.3	3.7	21.6	865
9	Y		25.2 / 24.3	24.6	3.7	20.9	825
10	B&W	8:23	24.6 / 23.7	24.0	3.7	20.3	800
11	R		24.0 / 22.8	23.2	3.7	19.5	757
12	Y		22.4 / 21.2	21.6	3.7	17.9	724
13	B&W	8:25	21.9 / 20.6	21.0	3.7	17.3	681
14	R		21.3 / 19.3	20.0	3.7	16.3	646
15	Y		19.3 / 17.7	18.2	3.7	14.5	616
16	B&W	8:27	18.3 / 16.8	17.3	3.7	13.6	567
17	R		17.4 / 16.0	16.5	3.7	12.8	545
18	Y		15.8 / 14.7	15.1	3.7	11.4	510
19	B&W	8:29	14.0 / 12.2	12.8	3.7	9.1	453
20	R		14.4 / 13.6	13.9	3.7	10.2	464

Boat 368+00 S

F. B. 1885 Pg. 68 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDIES Date Date No.
Survey by Blanchard Notes CEM 9/16/53 Notes Chkd. KK Checked X-Sec.
Indexed E. C. Johnson Date Date 1-18-54 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.

Range 368+00 Cont

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
368+00	5-27	21	Y		90°	00'	Run #6 Continued
		22	B & W	8:31	90°	00'	
		23	R		90°	00'	
		24	Y		90°	00'	
		25	B & W	8:33	90°	00'	
		26	R		90°	00'	
		27	Y	8:33	90	00	

City of L.A. F.B. 239 34-20

Range 368+00 S

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

No. Date Date Survey of

Notes Chkd. Checked Survey by

No. Date Date Map No. Indexed Johnson Date

F.B. 1885 Pg. 69

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.

F.B. 1883 PG. 70 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No.
Survey by Blanchard Notes Shoemaker Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date Date Date No.

RANGE 363+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
363+00	S-26	1	B & W	8:52	90° 00'	Run #7	
		2	R		90° 24'		
		3	Y		90° 41'		
		4	B & W	8:56	90° 15'		
		5	R		90° 00'		
		6	Y		90° 00'		
		7	B & W	8:58	90° 00'		
		8	R		90° 00'		
		9	Y		90° 00'		
		10	B & W	9:02	90° 00'		
		11	R		90° 00'		
		12	Y		90° 00'		
		13	B & W	9:06	90° 00'		
		14	R		90° 00'		
		15	Y		89° 40'		
		16	B & W	9:09	90° 00'		
		17	R		90° 00'		
		18	Y		90° 06'		
		19	B & W	9.11	90° 00'		
		20					

Range 363+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.		CUTIN 368+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
373+00	S-26	21	Y		40° 55		
		22	B+W	8:32	40° 01		
		23	R		38° 59		
		24	Y		37° 09		
		25	B+W	8:33	35° 26		
		26	R		33° 45		
		27	Y		32° 45		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 PG. 71

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

CUTIN 368+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.

3

CUT IN 363+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
358+00	S 26	1	B+W	8:53	65° 43		
		* 2	R		65° 22		
		* 3	Y		64° 35		
		* 4	B+W	8:56	63° 03		
		5	R		61° 20		
		6	Y		60° 34		
		7	B+W	8:59	59° 42		
		8	R		58° 38		
		9	Y		56° 18		
		10	B+W	9:03	54° 00		
		11	R		50° 00		
		12	Y		48° 39		
		13	B+W	9 06	46° 39		
		14	R		44° 20		
		* 15	Y		41° 22		
		16	B+W	9 10	35° 48		
		17	R		35° 21		
		* 18	Y		34° 08		
		19	B+W	9 12	31° 45		
		20					

Cut In 363+00 S

F.B. 1885 PG. 72 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 C. Johnson Date Sept 16/53 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.

368+00 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		13.5 / 12.7	13.0	3.7	9.3	433	
22	B&W	8:31	13.2 / 11.7	12.2	3.7	8.5	420	
23	R		13.0 / 11.3	11.9	3.7	8.2	405	
24	Y		11.5 / 10.6	10.9	3.7	7.2	377	
25	B&W	8:33	10.4 / 8.8	9.3	3.7	5.6	356	
26	R		10.8 / 8.0	8.9	3.7	5.2	334	
27	Y		8.0 / 7.4	7.6	3.7	3.9	322	

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1805 PG. 73

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date 1-18-54 Date ____ Map No. ____ Indexed Johnson Date ____

Bent 368+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.

363+00 S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	BEW	8:53	31.8 / 30.8	31.1	3.8	27.3	1108
2	R		31.5 / 29.8	30.4	3.8	26.6	1070
3	Y		30.5 / 29.0	29.5	3.8	25.7	1030
4	BEW	8:56	29.4 / 28.1	28.5	3.8	24.7	978
5	R		28.1 / 27.1	27.4	3.8	23.6	915
6	Y		26.8 / 25.8	26.1	3.8	22.3	886
7	BEW	8:58	26.4 / 24.9	25.4	3.8	21.6	856
8	R		25.6 / 24.0	24.5	3.8	20.7	820
9	Y		24.5 / 22.5	23.2	3.8	19.4	750
10	BEW	9:02	22.7 / 21.4	21.8	3.8	18.0	688
11	R		20.5 / 19.0	19.5	3.8	15.7	596
12	Y		18.8 / 17.8	18.1	3.8	14.3	568
13	BEW	9:06	17.4 / 15.9	16.4	3.8	~~14.6~~ 12.6	530
14	R		16.4 / 14.9	15.4	3.8	11.6	488
15	Y		15.0 / 13.5	14.0	3.8	10.2	442
16	BEW	9:09	12.5 / 11.0	11.5	3.8	7.7	361
17	R		12.0 / 10.5	11.0	3.8	7.2	355
18	Y		11.2 / 9.7	10.2	3.8	6.4	339
19	BEW	9:11	9.7 / 8.5	8.9	3.8	5.1	309

Boat 363+00 S

F. B. 1885 Pg. 74 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDIES Date Date No.
Survey by Blanchard Notes CEM 9/16/53 Notes Chkd. TK Checked X-Sec.
Indexed R. C. Johnson Date Date 1-18-54 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.	Range	358+00 S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
358+00	S-26	1	B&W	10 40	90° 00'	Run #8	
		2	R		90° 00'		
		3	Y		90° 05'		
		4	B&W	10 43	90° 00'		
		5	R	10 45	90° 00'		boat part way out farther and s[illegible]
		6	Y	10 47	90° 00'		
		7	B&W	10 48	90° 19'		
		8	R		90° 15'		
		9	Y		90° 00'		
		10	B&W	10 51	90° 00'		
		11	R		89° 48'		WATER VERY CHOP[illegible]
		12	Y		90° 00'		LINE COULD VARY
		13	B&W	10 52	90° 00'		
		14	R		90° 00'		
		15	Y		90° 00'		
		16	B&W	10 57	90° 00'		
		17	R		90° 00'		
		18	Y		90° 00'		
		19	B&W	10 59	90° 00'	CITY OF L.A. F.B. 23934-22	
		20	R		90° 00'		

Profile

Notes Red ____ Plotted ____ Job No. 9417 Division No. ____

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

No. ____ Date ____ Date ____ Map No. ____ Entered Johnson Date ____

F.B. 1885 PG. 75

F.B. 1885 PG. 76 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed A. C. Johnson Date Sept. 16, 1953 Date _____ Date _____ No. _____

Range 358 +00 S

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At	#	Color	Time	Hor. Ang.	
358+00 5-26	21	Y		90 00'	Range
	22	Blw	11 00	84 28'	358+00 S

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.

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 358+0[illegible]
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
363+00	S 25	1	B+W	10:41	60° 59		
		2	R		60° 53		
		* 3	Y		58° 54		
		4	B+W	10:44	62° 22		
		5	R		65° 41		
		6	Y		63° 40		
		* 7	B+W	10:49	59° 27		
		* 8	R		56° 51		
		9	Y		54° 49		
		10	B+W	10:51	53° 00		
		* 11	R		50° 26		
		12	Y		47° 27		
		13	B+W	10:53	44° 43		
		14	R		48° 36		
		15	Y		46° 55		
		16	B+W	10 58	44° 10		
		17	R		41° 03		
		18	Y		38° 09		
		19	B+W	10:59	35° 19		
		20	R		32° 28		

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 PG. 77

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

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

Johnson

Cut in 358+00 S

F.B. 1885 PG. 78 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 K. C. Johnson Date Sept 16/53 Date _____ Date _____ No. _____

Cut In 358+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.		
Inst. Sight At	#	Color	Time	Hor. Ang.		Remarks
BC3+00 S-25	21	Y		30° 24		
	* 22	B&W	11:00	28° 09		
	23	R				

Cut In 358+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.

358+00 S

STATION #	Color	Time	B. S.	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	B&W	10:40		29.0 / 27.8	28.2	4.2	24.0	901
2	R			29.5 / 27.5	28.2	4.2	24.0	898
3	Y			27.0 / 26.0	26.3	4.2	22.1	830
4	B&W	10:44		29.5 / 28.5	28.8	4.2	24.6	955
5	R			33.8 / 32.1	32.7	4.2	28.5	1107
6	Y			32.0 / 31.0	31.3	4.2	27.1	1010
7	B&W	10:49		28.0 / 27.0	27.3	4.2	23.1	856
8	R			26.0 / 25.0	25.3	4.2	21.1	774
9	Y			24.2 / 22.8	23.3	4.2	19.1	709
10	B&W	10.51		23.4 / 21.6	22.2	4.2	18.0	664
11	R			20.8 / 18.7	19.4	4.3	15.1	608
12	Y			19.4 / 18.5	18.8	4.3	14.5	550
13	B&W	10:53		17.0 / 15.8	16.2	4.3	11.9	495
14	R			19.5 / 18.5	18.8	4.3	14.5	567
15	Y			18.8 / 17.7	18.1	4.3	13.8	535
16	B&W	10:57		17.4 / 16.0	16.5	4.3	12.2	486
17	R			16.0 / 14.7	15.1	4.3	10.8	435
18	Y			14.1 / 13.0	13.4	4.3	9.1	395
19	B&W	10:59		13.0 / 11.8	12.2	4.3	7.9	354
20	R			11.9 / 10.2	10.8	4.3	6.5	318

Profile Notes Red No. Date 1-18-57 Date Date Plotted Date Date Job No. 8412 Division No. Survey of Map No. Indexed J. Johnson Date

F. B. 1 Pg. 79

F. B. 1885 Pg. 80

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

Survey of BEACH EROSION Date _____ Date _____ No. _____

Survey by Blanchard Notes CEM 9/16/53 Notes Chkd [illegible] Checked _____ X-Sec.

Indexed C. Johnson Date _____ Date 1-18-54 Date _____ No. _____

Boat 358+00 S

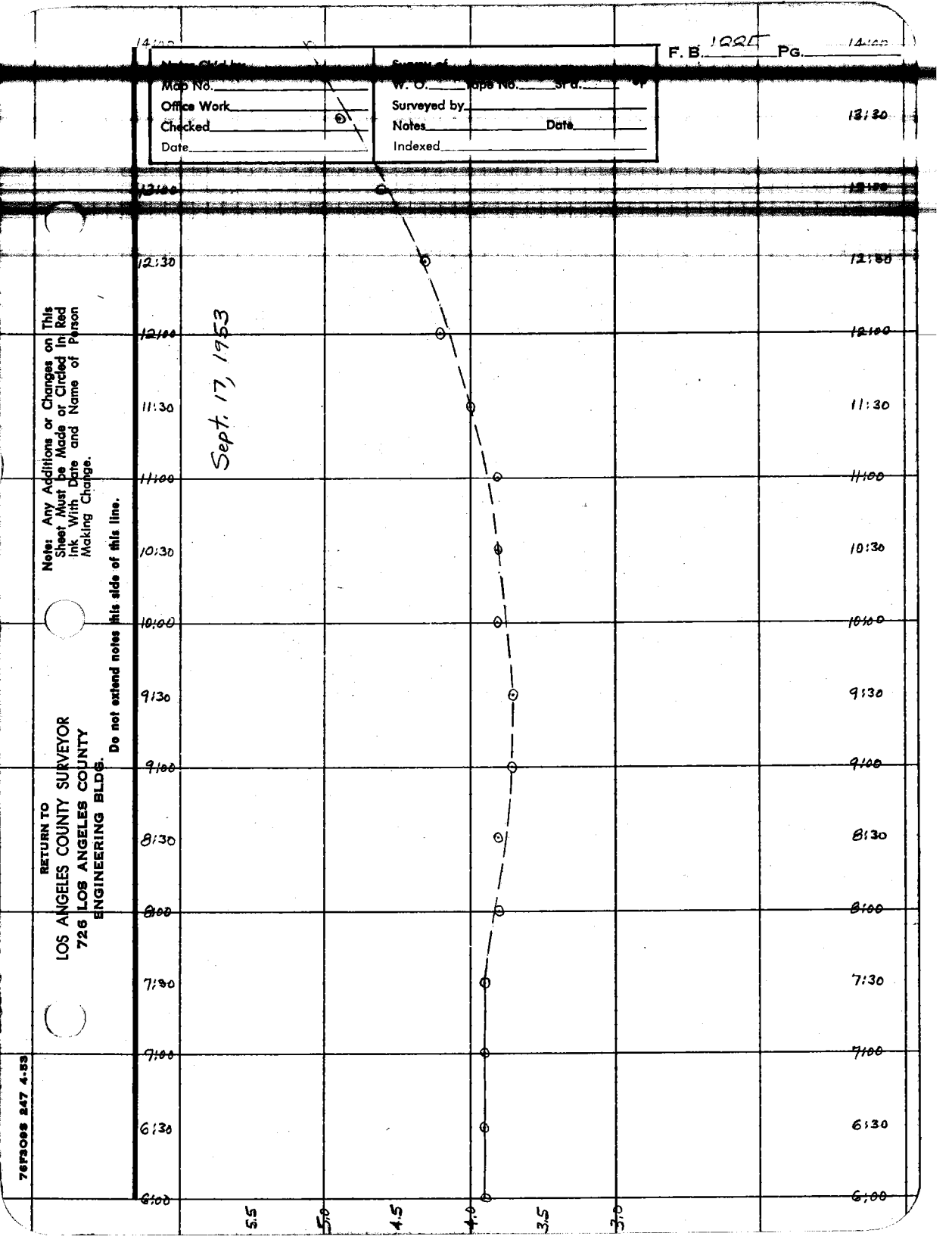
STATION	B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		10.4	9.8	4.3	5.5	293
22	B&W	11:00	9.5				
			9.4				
			7.7	8.3	4.3	4.0	269
							358+00 S

Do not extend notes this side of this line.

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

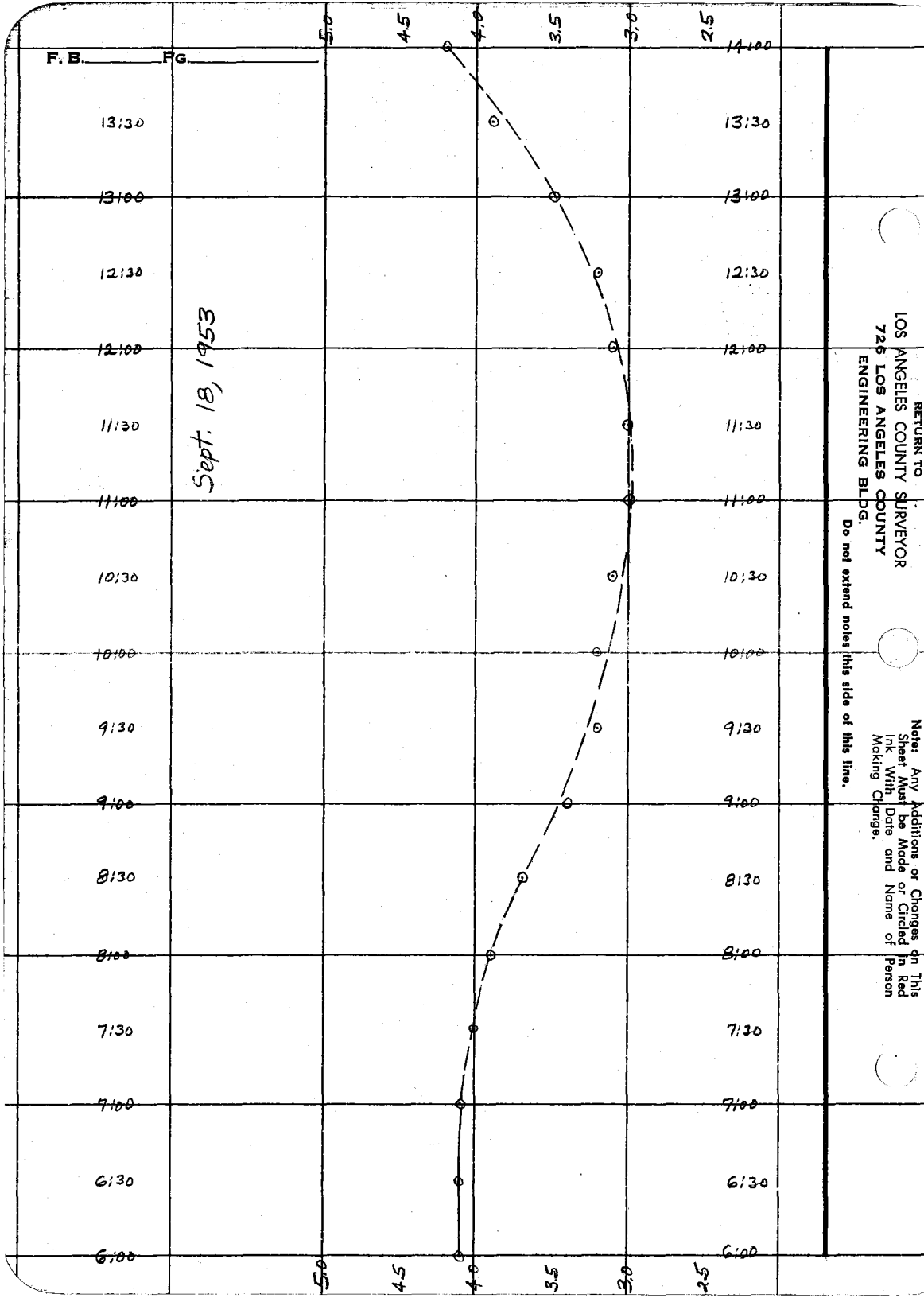
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

76L298 307 4-50


F. B. 1225 PG.
Map No.
Office Work
Checked
Date
W. O.
Surveyed by
Notes
Date
Indexed
Sept. 17, 1953
14:00
13:30
13:00
12:30
12:00
11:30
11:00
10:30
10:00
9:30
9:00
8:30
8:00
7:30
7:00
6:30
6:00
5.5
5.0
4.5
4.0
3.5
3.0
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.
76F3098 247 4-53

F. B._____ PG._____

Sept. 18, 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.

F. B. 1885 PG. 81

Map No.
Office Work
Checked
Date

W. O. Tape No. Std. °F
Surveyed by
Notes Date
Indexed R. C. Johnson 10-1-53

TIDE GAGE

STANDARD TIME SEPT. 17, 1953

HOUR	TIDE
6:00	3.9
6:30	3.9
7:00	3.9
7:30	3.9
8:00	3.8
8:30	3.8
9:00	3.7
9:30	3.7
10:00	3.8
10:30	3.8
11:00	3.8
11:30	4.0
12:00	4.2
12:30	4.3
1:00	4.6
1:30	4.9
2:00	5.1
2:30	5.2

Note: Any Additions or Changes on This Sheet Must 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. 1885 PG. 82

TIDE GAGE

STANDARD TIME SEPT 18 1953

HOUR	TIDE
6:00	4.1
6:30	4.1
7:00	4.1
7:30	4.0
8:00	3.9
8:30	3.7
9:00	3.4
9:30	3.2
10:00	3.2
10:30	3.1
11:00	3.0
11:30	3.0
12:00	3.1
12:30	3.2
1:00	3.5
1:30	3.9
2:00	4.2

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 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 353+00S	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
353+00	5-26	1	B&W	6:23	88°30'		
		2	R		90°00		
		3	Y		89°31'		
		4	B&W	6:31	90°00'		
		5	R		90°00'		
		6	Y		90°33'		
		7	B&W	6:34	90°00'		
		8	R		90°00'		
		9	Y		90°21'		
		10	B&W	6:37	90°30'		
		11	R		89°07'		
		12	Y		90°00		
		13	B&W	6:42	89°49'		
		14	R		90°00'		
		15	Y		90°51'		
		16	B&W	6:44	90°00'		
		17	R		90°00'		
		18	Y		89°50'		
		19	B&W	6:48	90°00'	CITY OF L.A. F.B. 23934 - 23	
		20	R		89°36'		

Profile

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

F.B. 1885 PG. 83

Notes Chkd. ____ Checked ____ Survey by ____ Notes ____

No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date 10-1-53

RANGE 353+00S

F.B. 1855 PG. 84 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

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

Range 353+00 S

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.	
353+00 S-26	21	Y		90°00'	
	22	B & W	6:51	90°00'	

RANGE 353+00-S

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.

76L288 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.

CUT IN 353+00

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
348+00S -26	* 1	B+W	6 23	65° 00		
	2	R		65° 49		
	* 3	Y		64° 55		
	4	B+W	6 30	62° 59		
	5	R		61° 51		
	* 6	Y		60° 49		
	7	B+W		58° 51		
	8	R	6 34	57° 24		
	* 9	Y		55° 13		
	* 10	B+W	6 37	50° 32		
	* 11	R		49° 43		
	12	Y		49° 35		
	* 13	B+W	6 41°	47° 24		
	14	R		45° 57		
	* 15	Y		44° 57		
	16	B+W	6 44	41° 52		
	17	R		39° 30		
	* 18	Y		38° 10		
	19	B+W	6 48	35° 51		
	* 20	R		33° 58		

Profile Notes Red ____ Plotted ____ Job No. [illegible] Division No. ____ F.B. 1885 Pg. 85

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

Cut in 353+00 S

F.B. 1865 PG. 86 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 C. Johnson Date Sept 17/53 Date Date No.

Cut In 353+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.		
Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks	Cut In 353+00
348+00 S 26	21	Y		31° 34		
	22	B+W	6:51	29° 00		
	23	R				

LACSL298 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 333+00 S

#	Color	Time	B. S. Meas. Depth	H. I. Bottom	F. S. Tide	ELEV. Adj. Depth	Remarks
1	BEW	6:23	33.8 / 32.2	32.7	3.9	28.8	1140
2	R		33.8 / 32.1	32.7	3.9	28.8	1113
3	Y		32.8 / 30.0	30.9	3.9	27.0	1090
4	BEW	6:31	31.6 / 29.8	30.4	3.9	26.5	981
5	R		30.2 / 28.8	29.3	3.9	25.4	934
6	Y		28.8 / 27.8	28.1	3.9	24.2	854
7	BEW	6:35	28.1 / 26.5	27.0	3.9	23.1	827
8	R		26.8 / 24.8	25.5	3.9	21.6	782
9	Y		24.8 / 22.8	23.5	3.9	19.6	717
10	BEW	6:38	22.3 / 20.2	20.9	3.9	17.0	603
11	R		23.0 / 20.2	21.1	3.9	17.2	601
12	Y		20.8 / 19.8	20.1	3.9	16.2	587
13	BEW	6:42	19.6 / 18.2	18.7	3.9	14.8	550
14	R		18.8 / 17.2	17.7	3.9	13.8	517
15	Y		18.2 / 16.4	17.0	3.9	13.1	492
16	BEW	6:45	16.2 / 14.8	15.3	3.9	11.4	448
17	R		15.6 / 13.4	14.1	3.9	10.2	412
18	Y		13.8 / 12.8	13.1	3.9	9.2	397
19	BEW	6:48	13.2 / 11.7	12.2	3.9	8.3	361
20	R		11.4 / 10.7	10.9	3.9	7.0	341

lead line - F. Blanchard
motor - F. Blanchard
Note: 1. Some one stopped in "Bertie's" the boys had to take a cafe, while on trip to Wertel.

Profile Notes Red. Plotted Job No. 8412 Division No.
Notes Checked Date 1-18-54 Date Map No. Date
Survey by Date
No. F.B. 1885 Pg. 87

F. B. 1885 Pg. 88 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile

Survey of | Date | Date | No.

Survey by | Notes CEM 9/17/53 | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date | Date 1-18-54 | Date | No.

Boat 353+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.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		10.8	10.1	3.9	6.2	311
22	BEW	6:51	9.8	8.7	3.9	4.8	277
			8.2				

353+00S

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	348+00-S
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
348+00	S-26	1	B&W	7:32	90°00'		
		2	R		90°37'		
		3	Y		90°00'		
		4	B&W	7:34	90°00'		
		5	R		90°19'		
		6	Y		90°00'		
		7	B&W	7:38	90°23'		
		8	R		90°04'		
		9	Y		90°00'		
		10	B&W	7:42	90°00'		
		11	R		90°00'		
		12	Y		90°00'		
		13	B&W	7:47	90°00'		
		14	R		90°00'		
		15	Y		90°21'		
		16	B&W	7:49	90°00'		
		17	R		90°00'		
		18	Y		90°00'		
		19	B&W	7:52	90°00'	CITY OF L.A. F.B. 23934-24	
		20	R		90°00'		

RANGE 348+00 S

Profile Notes Red. Plotted Job No. 8200 Division No.

F.B. 1885 PG. 89

Notes Chkd. Checked Survey by [illegible] Notes Date

No. Date Date Map No. [illegible] Date

F.B. 1885 PG. 90 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by F.H.B. Notes J.R.O. Notes Chkd. _____ Checked _____ X-Sec.

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

Range 348+00S

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	348+00-S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
348+00 S-26	21	Y		90°00'		
	22	B&W	7:53	90°13'		
	23	R		90°00		
	24	Y		90°00'		
	25	B&W	7855	89°33'		
	26	R		90°00'		
	27	Y		90°00'		
	28	B&W	7:57	90°21'		
	29	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.

CUT IN 348+00

STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
353+00	S-25	1	B+W	7 31	72° 22	
		* 2	R		71° 31	
		3	Y		70° 40	
		4	B+W	7 34	69° 44	
		* 5	R		67° 53	
		6	Y		65° 29	
		* 7	B+W	7 37	63° 42	
		* 8	R		61° 55	
		9	Y		60° 43	
		10	B+W	7 42	60° 07	
		11	R		57° 54	
		12	Y		56° 15	
		13	B+W	7 46	54° 44	
		14	R		53° 16	
		* 15	Y		51° 59	
		16	B+W	7 49	50° 11	
		17	R		49° 02	
		18	Y		48° 00	
		19	B+W	7 51	47° 01	
		20	R		46° 06	

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1885 Pg. 91
No. Date Date Survey of
No. Date Date Map No. Indexed Johnson Date

CUT IN 348+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.		CUT IN 348+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
353+00	S-25	21	Y		44° 30		
		* 22	B+W	7:53	43° 30		
		23	R		42° 10		
		24	Y		40° 39		
		* 25	B+W	7 55	39° 31		
		26	R		37° 38		
		27	Y		35° 48		
		* 28	B+W	7 57	33° 35		
		29	R		31° 19		
		30	Y				

Cut In 348+00 S

F. B. 1885 Pg. 92 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 C. Johnson Date Sept 17/53 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.

348+00S

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	BEW	7:32	42.5 / 41.5	41.8	3.9	37.9	1575
2	R		40.0 / 39.0	39.3	3.9	35.4	1550
3	Y		37.8 / 36.4	36.9	3.9	33.0	1425
4	BEW	7:34	36.[illegible] / 34.5	35.1	3.9	31.2	1354
5	R		34.4 / 33.4	33.7	3.9	29.8	1251
6	Y		31.4 / 30.2	30.6	3.9	26.7	1096
7	BEW	7:38	29.8 / 28.3	28.8	3.9	24.9	988
8	R		27.7 / 26.7	27.0	3.9	23.1	940
9	Y		27.0 / 25.5	26.0	3.9	22.1	892
10	BEW	7:42	26.4 / 24.5	25.1	3.9	21.2	870
11	R		25.2 / 23.2	23.9	3.9	20.0	797
12	Y		23.4 / 22.5	22.8	3.9	18.9	748
13	BEW	7:47	22.8 / 21.9	22.2	3.9	18.3	707
14	R		22.2 / 21.0	21.4	3.9	17.5	670
15	Y		21.8 / 20.8	21.1	3.9	17.2	648
16	BEW	7:50	20.0 / 19.0	19.3 ~~19.7~~	3.9	15.4 ~~15.8~~	600
17	R		19.5 / 18.5	18.8	3.9	14.9	576
18	Y		19.0 / 17.0	17.7	3.9	13.8	555
19	BEW	7:51	18.4 / 16.5	17.1	3.8	13.3	536
20	R		16.8 / 15.8	16.1	3.8	12.3	520

recorder - C. McGrath
lead line - V. Andersen
motor - K. Kvammen

Dout 348+00S

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1885 PG. 93
No. Date Survey of
No. Date 1-18-5 Date Map No. Hind 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.		348+00S

#	Color	Time	Meas. Depth	Bottom Tide	Adj. Depth	Remarks
21	Y		15.8 14.9	15.2	3.8	11.4	491
22	BEW	7:53	15.5 13.8	14.4	3.8	10.6	480
23	R		14.5 13.2	13.6	3.8	9.8	453
24	Y		13.6 12.7	13.0	3.8	9.2	429
25	BEW	7:55	13.8 12.4	12.9	3.8	9.1	411
26	R		12.6 11.8	12.1	3.8	8.3	386
27	Y		11.7 10.7	11.0	3.8	7.2	361
28	BEW	7:57	11.4 10.0	10.5	3.8	6.7	342
29	R		10.5 9.3	9.7	3.8	5.9 ~~5.8~~	304

Boat 348+00S

F. B. 1885 Pg. 94 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date No.
Survey by Notes CEM 9/17/53 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date 1-18-54 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.	RANGE	343+00-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
343+00	S-25	1	B&W	8:16	82°00'		
		2	R		82°00'		
		3	Y		82°00'		
		4	B&W	8:19	82°00'		
		5	R		82°00'		
		6	Y		82°00'		
		7	B&W	8:22	82°00'		
		8	R		82°00'		
		9	Y		81°48'		
		10	B&W	8:24	82°00'		
		11	R		82°00'		
		12	Y		82°00'		
		13	B&W	8:27	82°00		
		14	R		82°00'		
		15	Y		82°00'		
		16	B&W	8:33	82°00'		
		17	R		82°00'		
		18	Y		82°00		
		19	B&W	8:35	82°35	CITY OF L.A. F.B. 23934-25	
		20	R		82°00		

RANGE 343+00 S

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 Pg. 95

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

F.B. 1885 Pg. 96 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by F.H.B. Notes J.R.O. Notes Chkd. _____ Checked _____ X-Sec.

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

Range 343+00 S

STATION	B.S.	H.I.	F.S.	ELEV.	RANGE	343+00
Inst. Sight At OH	#	Color	Time	Hor. Ang.	Remarks	
343+00 S-25	21	Y		81°[illegible]'		
	22	B&W	8:37	82°00'		
	23	R		82°00'		
	24	Y		82°00'		
	25	B&W	8:39	82°00'		
	26	R		82°00'		
	27	Y		82°00'		
	28	B&W	8:41	81°[illegible]'		
	29	R		82°00'		
	30	Y		82°00'		
	31	B&W	8:43	82°00'		
	32	R		82°00'		
	33	Y		82°00'		
	34	B&W	8:45	82°00'		
	35	R		82°00'		
	36	Y		82°00'		

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.

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 343+00

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
338+00	S.25	1	B+W	8 16	62°20	
		2	R		62°10	
		3	Y		60° 42	
		4	B+W	8 19	58° 49	
		5	R		57° 20	
		6	Y		57° 00	
		7	B+W	8 21	56° 42	
		8	R		56° 01	
		* 9	Y		55° 11	
		10	B+W	8 24	55° 09	
		11	R		54° 32	
		12	Y		53° 47	
		13	B+W	8 27	53° 43	
		14	R		52° 48	
		15	Y		51° 48	
		16	B+W	8 33	50° 03	
		17	R		50° 03	
		18	Y		48° 40	
		* 19	B+W	8 34	48° 11	
		20	R		47° 18	

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1885 Pg. 97

No. ____ Date ____ Date ____ Survey of ____

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

Cut In 2/2+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.		Cut in 343+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
338+00	S-25	* 21	Y		45° 45		
		22	B+W	8 37	45° 40		
		23	R		45° 08		
		24	Y		43° 58		
		25	B+W	8:38	43° 12		
		26	R		40° 56		
		27	Y		40° 15		
		* 28	B+W	8 41	39° 10		
		29	R		38° 10		
		30	Y		37° 06		
		31	B+W	8 43	36° 03		
		32	R		34° 53		
		33	Y		34° 15		
		34	B+W	8:45	33° 25		
		35	R		32° 24		
		36	Y		30° 36		

Out In 343+00 S

F. B. 1885 PG. 98 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 A. Johnson Date Sept 17/53 Date 1-18-54 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.

343+00 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	8:16	35.4 / 34.0	34.5	3.8	30.7	1328	
2	R		34.9 / 33.8	34.2	3.8	30.4	1310	
3	Y		33.5 / 32.3	32.7	3.8	28.9	1200	120
4	B&W	8:19	30.6 / 28.7	29.3	3.8	25.5	1089	
5	R		29.5 / 28.0	28.5	3.8	24.7	1009	
6	Y		28.6 / 27.8	28.1	3.8	24.3	996	
7	B&W	8:21	28.5 / 26.9	27.4	3.8	23.6	985	
8	R		27.6 / 27.0	27.2	3.8	23.4	951	
9	Y		28.1 / 26.4	27.0	3.8	23.2	918	
10	B&W	8:24	27.3 / 25.5	26.1	3.8	22.3	910	
11	R		26.5 / 25.5	25.8	3.8	22.0	888	
12	Y		26.4 / 24.5	25.1	3.8	21.3	860	
13	B&W	8:27	25.5 / 24.5	24.8	3.7	21.1	855	
14	R		24.7 / 23.8	24.1	3.7	20.4	818	
15	Y		24.8 / 23.0	23.6	3.7	19.9	782	
16	B&W	8:33	23.0 / 22.0	22.3	3.7	18.6	722	
17	R		22.3 / 20.8	21.3	3.7	17.6	722	
18	Y		21.6 / 21.0	21.2	3.7	17.5	683	
19	B&W	8:35	21.5 / 21.0	21.2	3.7	17.5	660	
20	R		20.7 / 19.5	19.9	3.7	16.2	648	

recorder - C. McCrath
lead line - V. Anderson
motor - K. Kvammen

Bail 343+00 S

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date 1-18-54 Date Map No. Indexed Date
F. B. 1885 Pg. 99

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.			343+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		19.8 18.5	18.9	3.7	15.2	612	
22	B&W	8:37	19.2 17.8	18.3	3.7	14.6	603	
23	R		18.9 17.7	18.1	3.7	14.4	592	
24	Y		18.3 17.0	17.4	3.7	13.7	563	
25	B&W	8:39	17.6 16.4	16.8	3.7	13.1	549	
26	R		17.1 15.5	16.0	3.7	12.3	501	
27	Y		16.4 14.2	14.9	3.7	11.2	488	
28	B&W	8:42	15.8 14.2	14.7	3.7	11.0	472	
29	R		14.5 13.4	13.8	3.7	10.1	449	
30	Y		13.8 13.0	13.3	3.7	~~9.7~~ 9.6	433	
31	B&W	8:43	13.6 12.0	12.5	3.7	8.8	418	
32	R		12.2 11.5	11.7	3.7	8.0	392	
33	Y		12.1 10.5	11.0	3.7	7.3	383	
34	B&W	8:45	10.9 9.6	10.0	3.7	6.3	370	
35	R		10.9 9.5	10.0	3.7	6.3	353	
36	Y		10.5 9.5	9.8	3.7	6.1	328	
	B&W							
	R							
	Y							

Boat 343+00S

F. B. 1885 Pg. 100 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date No.
Survey by Notes CEM 9/17/53 Checked X-Sec.
Indexed C. Johnson Date Date 1-18-54 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.	RANGE	338+00-S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
338+00 S-25	1	B&W	9:05	82°00'		
	2	R		82°00'		
	3	Y		82°00'		
	4	B&W	9:07	82°00'		
	5	R		82°32'		
	6	Y		82°00'		
	7	B&W	9:10	82°00'		
	8	R		82°08'		
	9	Y		82°00		
	10	B&W	9:13	82°00'		
	11	R		82°00'		
	12	Y		82°00'		
	13	B&W	9:15	82°00'		
	14	R		82°00'		
	15	Y		82°33'		
	16	B&W	9:18	81°33'		
	17	R		82°00'		
	18	Y		82°00'		
	19	B&W	9:21	82°00'	CITY OF L.A. F.B. 23934-27	
	20	R		82°00'		

Range 338+00 S

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8-[illegible] Division No. ____

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

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

F.B. 1885 PG. 101

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	338+00-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
338+00	S-25	21	Y		82°00'		
		22	B&W	9:23	82°00'		
		23	R		82°00'		
		24	Y		82°00'		
		25	B&W	9:25	82°00'		
		26	R		82°00'		
		27	Y		82°00'		
		28	B&W	9:26	82°00'		
		29	R		82°00'		
		30	Y		82°00'		
		31	B&W	9:27	82°00'		
		32	R		82°00'		

Range 338+00 S

F.B. 1885 PG. 102 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 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. [illegible] Division No. ____ F. B. 1885 Pg. 103

No. ____ Date ____ Date ____ Survey of ____

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

Cut in 338+00 S

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
348+00	S-24	1	B+W	9 05	76° 59		
		2	R		76° 19		
		3	Y		75° 31		
		4	B+W	9:07	75° 14		
		5	R		74° 41		
		6	Y		73° 40		
		7	B+W	9:10	73° 29		
		8	R		72° 45		
		9	Y		71° 35		
		10	B+W	9:12	71° 12		
		11	R		70° 35		
		12	Y		69° 21		
		13	B+W	9:15	68° 27		
		14	R		67° 45		
		15	Y		65° 54		
		16	B+W	9 18	65° 01		
		17	R		63° 32		
		18	Y		62° 06		
		19	B+W	9:20	60° 53		
		20	R		59° 23		

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 338+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
343+00		21	Y		57° 47		
		22	B+W	9 22	56 40		
		23	R		54° 55		
		24	Y		53° 45		
		25	B+W	9 24	53° 40		
		26	R		51° 18		
		27	Y		50° 10		
		28	B+W	9 26	48° 32		
		29	R		47° 17		
		30	Y		45° 57		
		31	B+W	9 27	44° 01		
		32	R		43° 19		

Cut In 338+00 S

F. B. 1885 Pg. 104
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 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.			338+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	9:05	35.2 33.8	34.3	3.7	30.6	1361	
2	R		34.2 33.0	33.4	3.7	29.7	1320	
3	Y		33.6 32.6	32.9	3.7	29.2	1293	
4	B&W	9:08	33.4 32.5	32.8	3.7	29.1	1251	
5	R		32.5 31.5	31.8	3.7	28.1	1249	
6	Y		31.6 30.7	31.0	3.7	27.3	1188	
7	B&W	9:10	31.0 30.0	30.3	3.7	26.6	1156	
8	R		30.5 28.9	29.4	3.7	25.7	1123	
9	Y		29.7 28.5	28.9	3.7	25.2	1086	
10	B&W	9:13	28.7 28.0	28.2	3.7	24.5	1050	
11	R		28.4 26.5	27.1	3.7	23.4	1024	
12	Y		27.5 26.5	26.8	3.7	23.1	980	
13	B&W	9:15	26.8 25.3	25.8	3.7	22.1	945	
14	R		25.6 24.5	24.9	3.7	21.2	920	
15	Y		25.4 23.8	24.3	3.7	20.6	873	
16	B&W	9:18	24.3 23.1	23.5	3.7	19.8	847	
17	R		23.4 21.8	22.3	3.7	18.6	794	
18	Y		22.0 21.0	21.3	3.7	17.6	758	
19	B&W	9:21	21.3 20.1	20.5	3.7	16.8	725	
20	R		20.3 19.7	19.6	3.7	[illegible]	689	

Boat 338+00 S

recorder - C. McCrath
lead line - V. Anderson
motor - K. Kvammen

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 105

No. ____ Date 1-19-54 Date ____ Map No. ____ Date ____ Survey of ____ Indexed 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. 188 Pg. 106 Job No. 8412 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of ____ Date ____ No. ____ X-Sec. ____
Survey by ____ Notes CEM 9/17/53 Notes Chkd ____ Checked ____
Indexed K. C. Johnson Date ____ Date 1-19-54 Date ____ No. ____

338+00S

STATION #	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		19.5	18.5	3.7	14.8	657
22	BEW	9:23	18.0	18.2	3.7	14.5	635
23	R		18.0	16.8	3.7	13.1	601
24	Y		16.7	16.0	3.7	12.3	579
25	BEW	9:25	15.7	15.3	3.7	11.6	578
26	R		15.6	15.0	3.7	11.3	539
27	Y		15.2	14.1	3.7	10.4	520
28	BEW	9:26	14.0	12.8	3.7	9.1	495
29	R		13.0	12.3	3.7	8.6	477
30	Y		12.5	11.8	3.7	8.1	457
31	BEW	9:28	11.5	10.8	3.7	7.1	430
32	R		11.3	10.0	3.7	6.3	420
	Y						

Back 338+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	340+50-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
340+50	S-25	1	B&W	9:49	82°00'		
		2	R		82°00'		
		3	Y		82°00'		
		4	B&W	9:54	82°00'		
		5	R		82°00'		
		6	Y		81°49'		
		7	B&W	9:56	82°00'		
		8	R		82°00'		
		9	Y		81°56'		
		10	B&W	9:59	82°00'		
		11	R		82°00'		
		12	Y		82°22'		
		13	B&W	10:02	82°00'		
		14	R		82°00'		
		15	Y		82°00'		
		16	B&W	10:06	82°00'		
		17	R		82°00'		
		18	Y		82°00'		
		19	B&W	10:08	82°00'	CITY OF L.A. F.B. 23934-26	
		20	R		81°24'		

Range 340+50 S

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 PG. 107

No. ____ Date ____ Date ____ Survey of ____

Notes Chkd ____ Checked ____ Survey by A. C. Johnson

No. ____ Date ____ Date ____ Map No. ____ 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	340+50S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
340+50	S-25	21	Y		82°00'		
		22	B&W	10:10	82°00'		
		23	R		82°00'		
		24	Y		82°00'		
		25	B&W	10:12	82°00'		
		26	R		82°00'		
		27	Y		82°00'		
		28	B&W	10:15	81°40'		
		29	R		82°00'		
		30	Y		82°00'		
		31	B&W	10:17	81°30'		
		32	R		82°00'		
		33	Y		82°00'		
		34	B&W	10:20	82°00'		

Range 340+50 S

F.B. 1881 PG. 108 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 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 340+50

STATION Inst. Sight At	On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
335+50	S-24	1	B+W	9 49	68° 58	
		2	R		68° 36	
		3	Y		68° 07	
		4	B+W	9:53	67° 11	
		5	R		66° 26	
		* 6	Y		65° 28	
		7	B+W	9 56	65° 13	
		8	R		64° 16	
		* 9	Y		62° 40	
		10	B+W	9:58	61° 49	
		11	R		61° 30	
		12	Y		60° 48	
		13	B+W	10:01	59° 29	
		14	R		58° 59	
		15	Y		57° 44	
		16	B+W	10:05	56° 37	
		17	R		55° 47	
		18	Y		55° 00	
		19	B+W	10:07	53° 34	
		* 20	R		52° 19	

Cut in 340+50 S

Profile Notes Red. Plotted Job No. 3712 Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
F. B. 1885 Pg. 969

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 340+50
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
335+50	S-23	21	Y		51° 53		
		22	B+W	10.10	51° 31		
		23	R		50° 23		
		24	Y		49° 46		
		25	B+W	10:12	49° 02		
		26	R		47° 45		
		27	Y		46° 29		
		* 28	B+W	10 14	45° 01		
		29	R		43° 36		
		30	Y		41° 34		
		* 31	B+W	10 17	40° 28		
		32	R		39° 19		
		33	Y		38° 24		
		34	B+W	10 19	36° 22		

Cut In 340+50 S

F. B. 1885 Pg. 110 Job No. 3412 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 [illegible] Date Sept 17/53 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.

340+50S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	B&W	9:50	37.8 36.0	36.6	3.7	32.9	1420
2	R		36.3 35.5	35.8	3.7	32.1	1386
3	Y		35.2 34.3	34.6	3.7	30.9	1347
4	B&W	9:54	33.7 32.7	33.0	3.7	29.3	1309
5	R		33.0 32.0	32.3	3.7	28.6	1227
6	Y		32.2 31.3	31.6	3.7	27.9	1177
7	B&W	9:56	31.6 30.3	30.7	3.7	27.0	1150
8	R		30.6 29.4	29.8	3.7	26.1	1097
9	Y		29.0 27.8	28.2	3.7	24.5	1013
10	B&W	9:59	28.0 27.0	27.3	3.7	23.6	976
11	R		27.1 25.9	26.3	3.7	22.6	958
12	Y		26.5 24.6	25.2	3.8	21.4	916
13	B&W	10:02	26.1 23.7	24.5 ~~24.2~~	3.8	20.7 ~~20.4~~	875
14	R		24.9 23.2	23.8	3.8	20.0	855
15	Y		24.1 23.3	23.6	3.8	19.8	809
16	B&W	10:05	23.4 22.3	22.7	3.8	18.9	771
17	R		22.6 21.5	21.9	3.8	18.1	744
18	Y		22.7 21.7	22.0	3.8	18.2	719
19	B&W	10:08	21.1 19.4	20.0	3.8	16.2	698
20	R		20.2 19.3	19.6	3.8	15.8	655

Recorder - C. McCrath
Read line - [illegible]
Motor - K. Kvammen

Boot 340+50 S

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
F. B. 1885 Pg. 111

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.

340+50S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		19.8 18.5	18.9	3.8	15.1	637	
22	B&W	10:10	18.6 17.7	18.0	3.8	14.2	628	
23	R		18.5 17.5	17.8	3.8	14.0	599	
24	Y	[illegible]	17.9 16.6	17.0	3.8	13.2	586	
25	B&W	10:12	17.2 15.9	16.3	3.8	12.5	570	
26	R		15.6 14.9	15.1	3.8	11.3	541	
27	Y		15.3 14.2	14.6	3.8	10.8	517	
28	B&W	10:15	14.4 13.5	13.8	3.8	10.0	490	
29	R		12.9 11.7	12.1	3.8	8.3	462	
30	Y		12.2 11.0	11.4	3.8	7.6	425	
31	B&W	10:17	11.9 10.5	11.0	3.8	7.2	411	
32	R		11.3 10.0	10.4	3.8	6.6	390	
33	Y		10.2 9.2	9.5	3.8	5.7	375	
34	B&W	10:20	9.5 7.5	8.2	3.8	4.4	345	
	R							
	Y							
	B&W							
	R							
	Y							

Boat 340+50S

F. B. 1885 Pg. 112 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes [illegible]M 9/17/53 Notes Chkd. [illegible] Checked
Indexed C. Johnson Date 1-19-54 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.	RANGE	335+50 -
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
335+50	S-24	1	B&W	11:51	90°00'		
		2	R		90°00'		
		3	Y		90°00'		
		4	B&W	11:54	90°00'		
		5	R		90°00'		
		6	Y		90°00'		
		7	B&W	11:57	90°00'		
		8	R		90°00'		
		9	Y		90°00'		
		10	B&W	11:59	90°00'		
		11	R		90°00'		
		12	Y		90°00'		
		13	B&W	12:01	90°00'		
		14	R		90°00'		
		15	Y		90°00'		
		16	B&W	12:07	90°00'		
		17	R		90°00'		
		18	Y		90°00'		
		19	B&W	12:09	90°00'	CITY OF L.A. F.B. 23934-28	
		20	R		90°00'		

Range 335+50

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 Pg. 113

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ Date ____ Map No. ____ 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	335+50-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
335+50	S-24	21	Y		90°00'		
		22	B&W	12:11	90°00'		
		23	R		90°00'		
		24	Y		90°00'		
		25	B&W	12:13	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	12:15	90°00'		

Range 335+50 S

F.B. 1881' PG. 114 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by FHB Notes JRO Notes Chkd. Checked X-Sec.
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.		CUT IN 335+50
Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks	
328+30 S-23	1	B+W	11:50	64° 12		
	2	R		62° 26		
	3	Y		60° 51		
	4	B+W	11:53	58° 42		
	5	R		56° 29		
	6	Y		54° 00		
	7	B+W	11 56	52° 39		
	8	R		51° 42		
	9	Y		53° 11		
	10	B+W	11 59	50° 11		
	11	R		49° 23		
	12	Y		48° 03		
	13	B+W	12 01	47° 02		
	14	R		45° 37	43 00	
	15	Y		44° 09		
	16	B+W	12 07	43° 22		
	17	R		42° 20		
	18	Y		40° 52		
	19	B+W	12 09	39° 47		
	20	R		38° 35		

Got in 335+50 S

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

F.B. 1885 Pg. 115

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

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

F.B. 1885 Pg. 116 Job No. 3412 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 A. C. Johnson Date Sept 17/53 Date _____ Date _____ No. _____

Cut In 335+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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	Cut In 335+50
328+30 S-23	21	Y		37°20		
	22	B+W	12:10	36°00		
	23	R		34°45		
	24	Y		33°46		
	25	B+W	12:12	33°31		
	26	R		33°04		
	27	Y		32°23		
	28	B+W	12:13	31°23		
	29	R		30°34		
	30	Y		30°19		
	31	B+W	12:14	29°38		

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.

335+50 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	11:51	35.3 37.4	36.0	4.1	31.9	1372	
2	R		34.5 33.0	33.5	4.1	29.4	1274	
3	Y		32.4 31.8	32.0	4.1	27.9	1198	
4	B&W	11:54	30.3 29.6	29.8	4.1	25.7	1105	
5	R		28.4 27.9	28.1	4.1	24.0	1020	
6	Y		26.4 26.0	26.1	4.1	22.0	934	
7	B&W	11:57	26.0 24.7	25.1	4.1	21.0	890	
8	R		25.4 24.5	24.8	4.1	20.7	861	
9	Y		25.9 25.0	25.3	4.1	21.2	909	
10	B&W	12:00	24.1 23.0	23.4	4.1	19.3	819	
11	R		22.3 ? 22.6	22.4?	4.1	18.3 ?	798	
12	Y		22.5 21.5	21.8	4.1	17.7	765	
13	B&W	12:02	22.3 21.4	21.7	4.1	17.6	736	
14	R		21.2 20.4	20.7	4.1	16.6	701	
15	Y		20.4 19.0	19.5	4.2	15.3	667	
16	B&W	12:08	19.2 18.6	18.8	4.2	14.6	649	
17	R		18.9 18.0	18.3	4.2	14.1	629	
18	Y		18.4 17.0	17.5	4.2	13.3	597	
19	B&W	12:10	16.8 16.2	16.4	4.2	12.2	574	
20	R		16.3 15.0	15.4	4.2	11.2	551	

Boat 335+50 S

motor - K. Rvammen

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1885 Pg. 117

No. Date Date Survey of

No. Date 1-17-59 Date Map No. Made by C. 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.

335+50S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
21	Y		15.6 14.7	15.0	4.2	10.8	528
22	B&W	12:11	14.9 13.8	14.2	4.2	10.0	502
23	R		14.2 12.8	13.3	4.2	9.1	479
24	Y		13.4 12.5	12.8	4.2	8.6	462
25	B&W	12:13	12.6 12.0	12.2	4.2	8.0	458
26	R		12.4 11.6	11.9	4.2	7.7	450
27	Y		12.0 11.6	11.7	4.2	7.5	439
28	B&W	12:14	12.2 10.5	11.1	4.2	6.9	421
29	R		11.8 10.2	10.7	4.2	6.5	408
30	Y		10.6 9.7	10.0	4.2	5.8	404
31	B&W	12:15	10.0 8.5	9.0	4.2	4.8	393

Boat 335+50S

F. B. 1882 Pg. 118 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by C. Johnson Notes CEM 9/17/53 Notes Chkd. Checked X-Sec.
Indexed 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.	RANGE	333+00-S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
333+00 S-23	1	B&W	12:23	90°00'		
	2	R		90°00'		
	3	Y		90°00'		
	4	B&W	12:26	90°00'		
	5	R		90°00'		
	6	Y		90°00'		
	7	B&W	12:28	90°00'		
	8	R		90°00'		
	9	Y		90°00'		
	10	B&W	12:31	90°00'		
	11	R		90°00'		
	12	Y		90°00'		
	13	B&W	12:32	90°00'		
	14	R		90°00'		
	15	Y		90°00'		
	16	B&W	12:34	90°00'		
	17	R		90°00'		
	18	Y		90°00'		
	19	B&W	12:35	90°00'	CITY OF L.A. F.B. 23934-29	
	20	R		90°00'		

Range 333+00 S

Profile Notes Red. Plotted Job No. 8712 Division No. F.B. 1885 PG. 119

No. Date Date Survey of

No. Notes Chkd. Checked Survey by

No. Date Date 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.

F.B. 188 PG. 129 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by F.H.B. Notes JRO Notes Chkd. Checked X-Sec.
Indexed J. C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 333+00-S
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks
333+00 5-23	21	Y		90°00'	
	22	B&W	12:36	90°00'	
	23	R		90°00'	
	24	Y		90°00'	
	25	B&W	12:37	90°00'	
	26	R		90°00'	
	27	Y		90°00'	
	28	B&W	12:39	90°00'	
	29	R		90°00'	
	30	Y		90°00'	
	31	B&W	12:40	90°00'	
	32	R		90°00'	
	33	Y		90°00'	
	34	B&W	12:41	90°00'	
	35	R		90°00'	
	36	Y		90°00'	
	37	B&W	12:43	90°00'	
	38	R		90°00'	
	39	Y		90°00'	
	40	B&W	12:44	90°00'	

Range 333+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.		CUT IN 333+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
324+00	S-23	1	B+W	12 22	55° 01		
		2	R		56° 58		
		3	Y		59° 39		
		4	B+W	12 25	58° 51		
		5	R		57° 33		
		6	Y		56° 23		
		7	B+W	12 27	54° 41		
		8	R		53° 25		
		9	Y		51° 27		
		10	B+W	12 29	50° 07		
		11	R		48° 44		
		12	Y		47° 20		
		13	B+W	12 31	46° 02		
		14	R		44° 53		
		15	Y		43° 16		
		16	B+W	12 32	41° 52		
		17	R		40° 41		
		18	Y		39° 25		
		19	B+W	12 34	38° 29		
		20	R		37° 24		

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 121

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ Date ____ Map No. ____ Added Johnson Date ____

Cut In 333+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.

Cut in 333+00

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
324+00	S-23	21	Y		36°27	
		22	B+W	12 35	35°43	
		23	R		35°06	
		24	Y		34°02	
		25	B+W	12 36	32°49	
		26	R		31°38	
		27	Y		30°50	
		28	B+W	12 37	30°21	
		29	R		29°25	
		30	Y		29°03	
		31	B+W	12 39	28°39	
		32	R		27°52	
		33	Y		27°08	
		34	B+W	12 40	26°37	
		35	R		25°58	
		36	Y		25°48	
		37	B+W	12 41	24°39	
		38	R		24°02	
		39	Y		23°24	
		40	B+W	12 43	22°17	

Cut In 333+00 S

F. B. 1885 PG. 122

Job No. 11 Division No. Notes Red. Plotted Profile

Survey of Date Date No. X-Sec.

Survey by C. Johnson Notes 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 333+00 S

#	Color	Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	B&W	12:23	35.0 / 33.8	34.2	4.3	29.9	1287
2	R		37.0 / 35.5	36.0	4.3	31.7	1384
3	Y		38.1 / 38.0	38.4	4.3	34.1	1537
4	B&W	12:26	38.0 / 37.2	37.5	4.3	33.2	1489 — 1489
5	R		36.9 / 36.1	36.4	4.3	32.1	1415
6	Y		35.7 / 35.4	35.5	4.3	31.2	1354 — 1354
7	B&W	12:28	34.2 / 33.6	33.8	4.3	29.5	1262 — 1262
8	R		33.3 / 32.2	32.6	4.3	28.3	1212 — 1212
9	Y		32.0 / 31.4	31.6	4.3	27.3	1129 — 1129
10	B&W	12:31	31.4 / 29.8	30.3	4.3	26.0	1076 — 1076
11	R		30.2 / 29.3	29.6	4.3	25.3	1026 — 1026
12	Y		29.0 / 27.7	28.1	4.3	23.8	976
13	B&W	12:33	27.8 / 27.2	27.4	4.3	23.1	944 — 944
14	R		26.9 / 26.2	26.4	4.3	22.1	892 — 892
15	Y		25.8 / 24.6	25.0	4.3	20.7	847 — 847
16	B&W	12:34	24.8 / 23.7	24.1	4.3	19.8	807 — 807
17	R		24.6 / 23.2	23.7	4.3	19.4	774
18	Y		23.6 / 22.4	22.8	4.3	18.5	740
19	B&W	12:35	22.8 / 21.6	22.0	4.3	17.7	716 — 716
20	R		21.6 / 20.9	21.0	4.3	16.7	688

motor - V. Anderson

Robert Smith

Ronald Johnson

333+00 S

Profile No.____ Notes Red____ Plotted____ Job No. 8412 Division No.____ F.B. 1885 Pg. 123

Date 1-19-54 Date____ 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.		333+00S

#	Color	Time	Meas. Depth	Bottom Tide	Adj. Depth		Remarks
21	Y		21.2 / 19.9	20.3	4.4	15.9	665	665
22	BEW	12:37	20.7 / 19.6	20.0	4.4	15.6	647	647
23	R		20.1 / 19.5	19.7	4.4	15.3	633	633
24	Y		19.6 / 18.5	18.9	4.4	14.5	608	608
25	BEW	12:38	18.7 / 17.7	18.0	4.4	13.6	580	580
26	R		17.6 / 16.5	16.9	4.4	12.5	554	554
27	Y		16.9 / 16.0	16.3	4.4	11.9	537	537
28	BEW	12:39	16.0 / 15.6	15.7	4.4	11.3	527	527
29	R		15.8 / 15.0	15.3	4.4	10.9	507	
30	Y		15.6 / 14.4	14.8	4.4	10.4	500	
31	BEW	12:41	15.0 / 14.2	14.5	4.4	10.1	492	
32	R		14.2 / 13.6	13.8	4.4	9.4	476	476
33	Y		13.8 / 13.0	13.3	4.4	8.9	461	461
34	BEW	12:42	13.6 / 12.4	12.8	4.4	8.4	451	451
35	R		12.8 / 12.4	12.5	4.4	8.1	438	438
36	Y		12.8 / 12.2	12.4	4.4	8.0	435	435
37	BEW	12:43	12.2 / 11.2	11.5	4.4	7.1	413	413
38	R		11.8 / 11.0	11.3	4.4	6.9	401	401
39	Y		11.6 / 10.3	10.7	4.4	6.3	390	390
40	BEW	12:45	10.2 / 8.9	9.3	4.4	4.9	369	369

333+00 S Boat

F.B. 1885 Pg. 124 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by C. Johnson Notes CEM 9/17/53 Notes Chkd. TA Checked
Indexed Date Date 1-19-54 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.	RANGE	330+50
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
330+50 J-23	1	B&W	12:55	89°45'		
	2	R		90°00'		
	3	Y		90°00'		
	4	B&W	12:58	90°00'		
	5	R		90°00'		
	6	Y		90°00'		
	7	B&W	12:59	90°04'		
	8	R		90°00'		
	9	Y		90°00'		
	10	B&W	13:01	90°00		
	11	R		90°00'		
	12	Y		90°00'		
	13	B&W	13:03	90°00'		
	14	R		90°00'		
	15	Y		90°00'		
	16	B&W	13:05	90°00'		
	17	R		90°00'		
	18	Y		90°32'		
	19	B&W	13:07	90°00'	CITY OF L.A. F.B. 23934-30	
	20	R		90°00'		

Range 330+50

Profile No. Date Notes Red Plotted Date Job No. 8412 Division No. F.B. 1885 Pg. 125

Notes Chkd. Checked Survey of

No. Date Date Map No. Indexed C. 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.	RANGE	330+50-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
330+50	S-23	21	Y		90°00'		
		22	B&W	13°09	90°00'		
		23	R		90°00'		
		24	Y		90°00'		
		25	B&W	13°10	90°00'		
		26	R		90°00'		
		27	Y		90°00'		
		28	B&W	13°11	90°00'		

Range 330+50 S

F.B. 1880 PG. 126 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of BEACH EROSION STUDY Date Date X-Sec.
Survey by FHB Notes JRO 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 INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

Cut in 330+50

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
324+00	9-23	* 1	B+W	12 54	64° 19	
		2	R		63° 23	
		3	Y		61° 54	
		4	B+W	12 56	60° 41	
		5	R		59° 18	
		6	Y		57° 58	
		* 7	B+W	12 58	56° 35	
		8	R		53° 59	
		9	Y		51° 53	
		10	B+W	1 00	50° 03	
		11	R		47° 28	
		12	Y		45° 08	
		13	B+W	1 02	42° 15	
		14	R		40° 33	
		15	Y		38° 56	
		16	B+W	1 04	36° 36	
		17	R		37° 36	
		* 18	Y		36° 13	
		19	B+W	1 06	34° 48	
		20	R		33° 05	

Cut in 330+50 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 127

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ Date ____ Map No. ____ Indexed L. C. 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.

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red Date Notes Chkd Date

Division No. Job No. Notes Date

F. B. 488 Pg. 128

Survey of
Survey by L. C. Johnson
Indexed

STATION		B. S.	H. I.	F. S.	ELEV.		cut in 330+50
Inst. Sight At	On	#	Color	Time	Her. Ang.		Remarks
324+00	S-23	21.	Y		31° 45		
		22	B+W	1 07	31° 02		
		23	R		30° 04		
		24	Y		29° 10		
		25	B+W	1 08	28° 26		
		26	R		27° 24		
		27	Y		26° 16		
		28	B+W	1 09	25° 32		

Cut In 330+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.			330+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	BEW	12:56	38.2 36.8	37.3	4.5	32.8	1370	
2	R		37.5 36.6	36.9	4.5	32.4	1297	1297
3	Y		36.0 34.6	35.1	4.5	30.6	1217	1217
4	BEW	12:58	34.6 33.6	33.9	4.5	29.4	1156	1156
5	R		33.8 32.2	32.7	4.5	28.2	1089	1089
6	Y		32.3 31.6	31.8	4.5	27.3	1039	1039
7	BEW	1:00	31.4 30.5	30.8	4.6	26.2	988	~~[illegible]~~ 985
8	R		28.6 27.4	27.8	4.6	23.2	894	894
9	Y		26.8 26.0	26.3	4.6	21.7	829	829
10	BEW	1:02	24.9 24.6	24.7	4.6	20.1	775	775
11	R		24.4 23.0	23.5	4.6	18.9	709	709
12	Y		22.8 21.6	22.0	4.6	17.4	653	653
13	BEW	1:04	21.4 20.6	20.9	4.6	16.3	590	590
14	R		20.2 18.9	19.3	4.6	14.7	556	556
15	Y		18.5 17.5	17.8	4.6	13.2	525	525
16	BEW	1:06	16.8 15.8	16.1	4.6	11.5	483	483
17	R		17.2 16.2	16.5	4.6	11.9	500	500
18	Y		16.5 15.0	15.5	4.6	10.9	456	
19	BEW	1:07	15.2 14.5	14.7	4.6	10.1	452	452
20	R		14.7 13.6	14.0	4.6	9.4	423	

Boot 330+50 S

Motor - V. Andersen

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

No. ____ Date 1-19-54 Date ____ Map No. ____ Made by Johnson Date ____

F.B. 1885 Pg. 129

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.			330+50 S
#	Color Time	Meas. Depth	Bottom Tide		Adj. Depth		Remarks
21	Y	13.0 12.6	12.7	4.6	8.1	402	402
22	BEW 1:09	13.1 11.8	12.2	4.6	7.6	391	391
23	R	12.2 11.3	11.6	4.6	7.0	376	376
24	Y	11.0 10.5	10.7	4.6	6.1	363	363
25	BEW 1:10	10.7 9.7	10.0	4.6	5.4	352	352
26	R	9.7 8.4	8.8	4.6	4.2	337	337
27	Y	8.8 8.2	8.4	4.7	3.7	321	321
28	BEW 1:11	8.1 7.6	7.8	4.7	3.1	311	
	R						
	Y						
	BEW						
	R						
	Y						
	BEW						
	R						
	Y						
	BEW						
	R						
	Y						
	BEW						

Boat 330+50 S

F.B. 188 PG. 130 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by C. Johnson Notes CEM 9/17/53 Notes Chkd. Checked
Indexed Date Date 1-19-54 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.	RANGE	328+44
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
327+44	S-23	1	B&W	6°06	90°00		
		2	R		90°00		
		3	Y		90°04'		
		4	B&W	6°10	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B&W	6°13	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B&W	6°16	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B&W	6°19	89°47'		
		14	R		90°00		
		15	Y		90°00		
		16	B&W	6°21	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B&W	6°23	90°00	CITY OF L.A. F.B. 23934-31	
		20	R		90°00		

Range 328+44 S

Profile Notes Red ____ Plotted ____ Job No. 8712 Division No. ____ F.B. 1885 Pg. 131

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ 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.	RANGE	328+44-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
328+44	S-23	21	Y		90°00		
		22	B&W	6:25	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B&W	6:27	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B&W	6:28	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B&W	6:30	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B&W	6:31	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B&W	6:33	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B&W	6:34	90°00		

Range 328+44 S

F.B. 1881 PG. 132 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 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. 1885 Pg. 137

No. Date Date Survey of

No. Date Date Map No. Indexed Date

Cut in 328+44 S

STATION		B. S.		H. I.	F. S.	ELEV.		
Inst. At	Sight On			# Color	Time	Hor. Ang.	Remarks	
S-23	S	22	1	B+W	6 06	77° 49		
			2	R		77° 15		
		*	3	Y		76° 21		
			4	B+W	6 09	75° 49		
			5	R		75° 15		
			6	Y		74° 16		
			7	B+W	6 13	72° 57		
			8	R		71° 48		
			9	Y		70° 48		
			10	B+W	6 15	69° 27		
			11	R		68° 08		
			12	Y		66° 54		
		*	13	B+W	6 18	65° 16		
			14	R		63° 24		
			15	Y		61° 43		
			16	B+W	6 20	60° 01		
			17	R		58° 28		
			18	Y		57° 33		
			19	B+W	6 22	56° 24		
			20	R		55° 16		

Cut in 328+44 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.

327

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		CUT IN 328+44
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-23	S-22	21	Y		54° 24		
		22	B+W	6 24	53° 38		
		23	R		52° 32		
		24	Y		51° 36		
		25	B+W	6 26	50° 21		
		26	R		49° 41		
		27	Y		49° 14		
		28	B+W	6 27	48° 38		
		29	R		47° 50		
		30	Y		46° 56		
		31	B+W	6 29	46° 22		
		32	R		45° 15		
		33	Y		44° 30		
		34	B+W	6 30	43° 44		
		35	R		43° 25		
		36	Y		42° 39		
		37	B+W	6 31	41° 46		
		38	R		41° 06		
		39	Y		40° 14		
		40	B+W	6 33	39° 10		

Cut In 328+44 S

F. B. 1885 Pg. 138
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 C. Johnson Date Sept 18/53 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.			328+44 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	6:06	51.6 51.2	51.3	4.1	47.2	2305	2310
2	R		49.2 48.7	48.9	4.1	44.8	2200	2199
3	Y		46.6 46.2	46.3	4.1	42.2	2050	
4	B&W	6:09	45.4 45.0	45.1	4.1	41.0	1970	1970
5	R		44.8 43.8	44.1	4.1	40.0	1890	1890
6	Y		43.8 43.2	43.4	4.1	39.3	1767	1891 1767
7	B&W	6:12	42.8 42.0	42.3	4.1	38.2	1623	1623
8	R		42.4 41.8	42.0	4.1	37.9	1514	1514
9	Y		40.9 40.6	40.7	4.1	36.6	1430	1430
10	B&W	6:15	39.8 38.8	39.1	4.1	35.0	1327	1327
11	R		37.8 37.3	37.5	4.1	33.4	1240	1240
12	Y		36.0 35.6	35.7	4.1	31.6	1167	1167
13	B&W	6:18	33.9 33.0	33.3	4.1	29.2	1070	
14	R		31.7 31.4	31.5	4.1	27.4	994	994
15	Y		30.1 29.2	29.5	4.1	25.4	925	925
16	B&W	6:20	28.1 27.6	27.8	4.1	23.7	863	863
17	R		26.8 26.4	26.5	4.1	22.4	811	811
18	Y		25.9 25.2	25.4	4.1	21.3	783	783
19	B&W	6:22	25.2 24.0	24.4	4.1	20.3	749	749
20	R		23.9 23.3	23.5	4.1	19.4	718	

Bot 328+44 S

Load time - K Kammen
Motor - V. Andersen

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 143
No. ____ Date ____ Date ____ Survey of ____
No. ____ Date 1-19-54 Date ____ Map No. ____ Indexed R. 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. 188 Pg. 144 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by C. Johnson Notes CEM 9/18/53 Notes Chkd. KK Checked
Indexed Date Date 1-19-53 Date No.

STATION 328+44

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		23.3	23.0	4.1	18.9	695	695
22	BEW	6:24	22.8	22.3	4.1	18.2	676	676
23	R		22.9	21.9	4.1	17.8	650	650
24	Y		22.0	21.4	4.1	17.3	628	628
25	BEW	6:26	22.2	20.0	4.1	15.9	601	601
26	R		21.7	19.4	4.1	15.3	586	586
27	Y		21.8	18.9	4.1	14.8	577	577
28	BEW	6:28	21.2	18.5	4.1	14.4	565	565
29	R		20.4	18.1	4.1	14.0	550	550
30	Y		19.8	17.4	4.1	13.3	533	533
31	BEW	6:29	19.8	17.0	4.1	12.9	522	522
32	R		19.2	16.3	4.1	12.2	502	502
33	Y		19.5	16.0	4.1	11.9	489	489
34	BEW	6:30	18.6	15.3	4.1	11.2	476	493
35	R		19.0	15.2	4.1	11.1	471	471
36	Y		18.2	14.8	4.1	10.7	459	459
37	BEW	6:32	18.6	14.0	4.1	9.9	445	445
38	R		17.8	13.7	4.1	9.6	434	434
39	Y		17.8	13.2	4.1	9.1	421	421
40	BEW	6:33	17.2	12.7	4.1	8.6	405	1
			17.4					
			16.8					
			16.6					
			16.2					
			16.3					
			15.8					
			15.6					
			15.2					
			15.5					
			15.0					
			15.1					
			14.6					
			14.4					
			13.8					
			14.8					
			13.6					
			13.7					
			13.0					
			13.0					
			12.5					

Boat 328+44 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	328+44-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
328+44	S-23	41	R		90°00		
		42	Y		90°00		
		43	B&W	6:35	90°00		
		44	R		90°00		
		45	Y		90°00		
		46	B&W	6:37	90°00		
		47	R		90°00		
		48	Y		90°00		
		49	B&W	6:38	90°00		
		50	R		90°00		

Range 328+44 S

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

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

No. ____ Date ____ Date ____ Map No. ____ R.C. Johnson Date ____

F.B. 1885 PG. 138

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	324+00-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
324+00	S-23	1	B&W	7804	8 12		
		2	R		[illegible] 10		
		3	Y		[illegible] 10		
		4	B&W	7806	[illegible] 5		
		5	R		90° 00		
		6	Y		90 00		
		7	B&W	712	90 00		
		8	R		90 06		
		9	Y		90 00		
		10	B&W	715	90 00		
		11	R		90 00		
		12	Y		89 44		
		13	B&W	718	90 00		
		14	R		90 00		
		15	Y		90 00		
		16	B&W	720	90 00		
		17	R		90 00		
		18	Y		90 00		
		19	B&W	721	90 00		
		20	R		90 00		

Range 324+00 S

F.B. 188 PG. 134 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 R. C. Johnson 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 328+44

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	# Color		Time Hor. Ang.		Remarks
S-23	S 22 41	R		38° 22		
	42	Y		37° 19		
	43	B&W	6 34	36° 17		
	44	R		35° 33		
	45	Y		34° 56		
	46	B&W	6 36	33° 48		
	47	R		32° 57		
	48	Y		32° 11		
	49	B&W	6 37	30° 37		
	50	R		29° 22		

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

F. B. 1885 Pg. 139

Notes Chkd. Checked Survey by Notes Date

No. Date Date Map No. Date

Cut In 328+44 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 324+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-23	S-22	* 1	B+W	7 03	46° 15		
		2	R		47° 39		
		3	Y		48° 52		
		* 4	B+W	7 06	50° 23		
		5	R		51° 00		
		6	Y		45° 19		
		7	B+W	7 12	43° 32		
		* 8	R		42° 26		
		9	Y		41° 42		
		10	B+W	7 13	41° 34		
		11	R		40° 04		
		* 12	Y		40° 13		
		13	B+W	7 17	38° 05		
		14	R		38° 04		
		15	Y		37° 25		
		16	B+W	7 19	36° 40		
		17	R		35° 17		
		18	Y		34° 19		
		19	B+W	7 21	33° 36		
		20	R		33° 57		

Cut In 324+00 S

F. B. 1881 Pg. 140
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by FHB Notes 4.5 Notes Chkd. Checked
Indexed C. Johnson Date Sept 18/53 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.

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 PG. 145

No. ____ Date 1-19-54 Date ____ Map No. ____ Date ____

Bust 328+44 S

STATION		B. S.	H. I.	F. S.	ELEV.			328+44
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R		12.2 12.0	12.1	4.1	8.0	394	
42	Y		11.9 11.4	11.6	4.1	7.5	379	
43	B&W	6:35	11.4 10.8	11.0	4.1	6.9	365	
44	R		11.0 10.4	10.6	4.1	6.5	356	
45	Y		10.8 9.9	10.2	4.1	6.1	348	
46	B&W	6:36	9.7 9.3	9.4	4.1	5.3	333	
47	R		9.5 8.8	9.0	4.1	4.9	323	
48	Y		9.0 8.4	8.6	4.1	4.5	313	
49	B&W	6:37	8.4 7.5	7.8	4.1	3.7	295	
50	R		7.4 6.6	6.9	4.1	2.8	280	

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.			324+00
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	7:03	41.6 41.0	41.2	4.1	37.1	980	
2	R		45.9 45.4	45.6	4.1	41.5	1033	1033
3	Y		48.0 47.5	47.7	4.1	43.6	1078	1078
4	B&W	7:06	51.5 51.0	51.2	4.1	47.1	1131	
5	R		53.0 52.5	52.7	4.1	48.6	1163	1163
6	Y		38.8 38.2	38.4	4.1	34.3	952	952
7	B&W	7:11	34.0 33.4	33.6	4.1	29.5	894	894
8	R		32.2 31.5	31.7	4.1	27.6	861	
9	Y		30.4 29.9	30.1	4.1	26.0	839	839
10	B&W	7:13	30.4 29.9	30.1	4.1	26.0	835	835
11	R		28.0 27.5	27.7	4.1	23.6	792	792
12	Y		27.9 27.4	27.6	4.1	23.5	793	
13	B&W	7:17	25.4 25.0	25.1	4.1	21.0	738	738
14	R		25.3 24.8	25.0	4.1	20.9	737	
15	Y		24.8 24.3	24.5	4.0	20.5	720	720
16	B&W	7:19	23.9 23.4	23.6	4.0	19.6	701	701
17	R		22.9 22.4	22.6	4.0	18.6	666	666
18	Y		21.9 21.3	21.5	4.0	17.5	643	643
19	B&W	7:20	20.9 20.4	20.6	4.0	16.6	625	625
20	R		20.5 20.0	20.2	4.0	16.2	634	

Boat 324+00 S

F. B. 1881 Pg. 146 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by C. Johnson Notes CEM 9/18/53 Notes Chkd. Checked X-Sec.
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.	RANGE 324+00-S	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
324+00 5-23	21	Y		90°00		
	22	B&W	723	90 00		
	23	R		90 00		
	24	Y		90 00		
	25	B&W	724	90 00		
	26	R		90 00		
	27	Y		90 00		
	28	B&W	725	90 00		
	29	R		90 00		
	30	Y		90 00		
	31	B&W	726	90 00		
	32	R		90 00		
	33	Y		90 00		
	34	B&W	727	90 00		
	35	R		90 00		
	36	Y		90 00		
	37	B&W	729	90 00		
	38	R		90 00		
	39	Y		90 00	CITY OF L.A. F.B. 23934-33	
	40	B&W	730	90 00		

Range 324+00 S

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

Notes Chkd ____ Checked ____ Survey by ____ Notes by ____

No. ____ Date ____ Date ____ Map No. ____ Peter C. Johnson Date ____

F.B. 1885 Pg. 135

F.B. 1885 PG. 136 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of BEACH EROSIONS STUDIES Date _____ Date _____ No. _____

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

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

Range 324+00 S

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At OH	# 41	Color R	Time	Hor. Ang. 90 00		Remarks
						RANGE 324+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.

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. 1885 Pg. 141

Notes Chkd. ____ Checked ____ Survey By ____ Date ____

No. ____ Date ____ Map No. ____ C. Johns Date ____

Cut in 324+00 S

STATION	S. S.	H. I.	F. S.	ELEV.	
Inst. Sight At	On	# Color	Time	Hor. Ang.	Remarks
S-23	S 22 21	Y		32° 14	
	22	B+W	7 22	31° 26	
	23	R		30° 52	
	24	Y		29° 55	
	25	B+W	7 23	29° 16	
	26	R		28° 19	
	27	Y		27° 19	
	28	B+W	7 24	26° 36	
	29	R		25° 55	
	30	Y		25° 13	
	31	B+W	7 25	24° 26	
	32	R		23° 41	
	33	Y		22° 41	
	34	B+W	7 26	21° 54	
	35	R		20° 56	
	36	Y		20° 07	
	37	B+W	7 27	19° 08	
	38	R		18° 16	
	39	Y		17° 38	
	40	B+W	7 29	16° 24	

F. B. 1885 Pg. 142 Job No. 8912 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by FHB Notes J S Notes Chkd. _____ Checked _____ X-Sec.

Indexed C. Johnson Date Sept 18/53 Date _____ Date _____ No. _____

Cut In 324+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	#	Color	Time	Hor. Ang.		Remarks
S-23 S-22	41	R		15° 15		Cut In 324+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. 1885 Pg. 147

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

STATION 324+00

#	Color	Time	H. I. Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		20.0 19.5	19.7	4.0	15.7	594	
22	B&W	7:22	19.5 18.9	19.1	4.0	15.1	600	
23	R		19.0 18.4	18.6	4.0	14.6	563	
24	Y		18.1 17.6	17.8	4.0	13.8	542	
25	B&W	7:23	17.8 17.2	17.4	4.0	13.4	528	K. Kvammen
26	R		17.1 16.6	16.8	4.0	12.8	507	- V. Anderson
27	Y		16.6 15.9	16.1	4.0	12.1	486	
28	B&W	7:24	16.0 15.4	15.6	4.0	11.6	472	472
29	R		15.8 15.2	15.4	4.0	11.4	458	458
30	Y		15.3 14.7	14.9	4.0	10.9	443	443
31	B&W	7:25	14.3 13.7	13.9	4.0	9.9	427	427
32	R		13.4 12.9	13.1	4.0	9.1	412	412
33	Y		12.6 12.0	12.2	4.0	8.2	387	387
34	B&W	7:26	11.8 11.2	11.4	4.0	7.4	378	378
35	R		11.8 11.2	11.4	4.0	7.4	360	360
36	Y		10.8 10.3	10.5	4.0	6.5	345	345
37	B&W	7:28	10.0 9.4	9.6	4.0	5.6	326	326
38	R		9.6 8.9	9.1	4.0	5.1	310	310
39	Y		8.7 7.9	8.2	4.0	4.2	299	299
40	B&W	7:29	7.9 7.4	7.6	4.0	3.6	277	277

lead line - K. Kvammen
motor - V. Anderson

BOT + 324+00

F. B. 1885 Pg. 148 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes CEM 9/18/53 Notes Chkd. KK Checked _____ X-Sec.

Indexed C. Johnson Date _____ Date 1-19-54 Date _____ No. _____

Boat 324+005

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
41	R		2.9 6.3	6.5	4.0	2.5	256

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

324+00

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 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.

Profile Notes Red ____ Plotted ____ Job No. 842 Division No. ____ F.B. 1885 Pg. 149

Notes Chkd ____ Checked ____ Survey by ____ Notes ____

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

STATION	B. S.	H. I.	F. S.	ELEV.	Range 322+00-5	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
322+00 5-22	1	B&W	7:57	80°00		
	2	R		80°00		
	3	Y		80°00		
	4	B&W	7:58	80°00		
	5	R		80°00		
	6	Y		80°00		
	7	B&W	8:00	80°00		
	8	R		80°00		
	9	Y		80°00		
	10	B&W	8:01	80°00		
	11	R		80°00		
	12	Y		80°00		
	13	B&W	8:02	80°00		
	14	R		80°00		
	15	Y		80°00		
	16	B&W	8:04	80°00		
	17	R		80°00		
	18	Y		80°00		
	19	B&W	8:05	80°00	CITY OF L.A. F.B. 2393 4-34	
	20	R		80°00		

Range 322+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 322+00-S	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
322+00	S-22	21	Y		80°00		
		22	B&W	8:06	80°00		
		23	R		80°00		
		24	Y		80°00		
		25	B&W	8:08	80°00		
		26	R		80°00		
		27	Y		79°51'		
		28	B&W	8:10	80°00		
		29	R		80°00		
		30	Y		80°00		
		31	B&W	8:11	80°00		
		32	R		80°00		
		33	Y		80°00		
		34	B&W	8:12	80°00		
		35	R		80°00		
		36	Y		80°00		
		37	B&W	8:13	80°00		
		38	R		79°37'		
		39	Y		80°00		
		40	B&W	8:14	80°00		

Range 322+00 S

F.B. 1885 PG. 150 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No.
Survey by F.H.B. Notes J.R.O. 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.	
					cut in 322+00
Inst. Sight At On		# Color	Time	Hor. Ang.	Remarks
315+85 S-21	1	B+W	7 56	51° 55	
	2	R		51° 47	
	3	Y		51° 25	
	4	B+W	7 57	51° 06	
	5	R		50° 49	
	6	Y		50° 23	
	7	B+W	7 59	49° 47	
	8	R		49° 09	
	9	Y		48° 53	
	10	B+W	8 00	48° 19	
	11	R		47° 51	
	12	Y		47° 29	
	13	B+W	8 01	47° 14	
	14	R		46° 43	
	15	Y		46° 05	
	16	B+W	8 03	45° 33	
	17	R		44° 50	
	18	Y		44° 27	
	19	B+W	8 04	43° 56	
	20	R		43° 06	

Cut in 322+00

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 151

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.

CUT IN 322+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
315+25	S-21	21	Y		42° 29		
		22	B&W	8.06	41° 52		
		23	R		41° 15		
		24	Y		40° 29		
		25	B&W	8 07	39° 26		
		26	R		38° 47		
		* 27	Y		37° 33		
		28	B&W	8 09	36° 52		
		29	R		36° 01		
		30	Y		34° 58		
		31	B&W	8 10	33° 40		
		32	R		32° 46'		
		33	Y		31° 46'		
		34	B&W	8 11	30° 41		
		35	R		29° 39		
		36	Y		28° 42'		
		37	B&W	8 12	27° 44		
		* 38	R		26° 57		
		39	Y		26° 13		
		40	B&W	8 14	24° 54		

Cut In 322+00 S

F. B. 1880 PG. 152
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Bezel Erosion Studies Date Date No.
Survey by FHB Notes JS Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Sept 18/53 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.			322+00
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	BEW	7:56	52.0 50.5	51.0	3.9	47.1	854	1152 854
2	R		46.0 45.0	45.3	3.9	41.4	850	812
3	Y		44.0 43.0	43.3	3.9	39.4	833	833 C. McCrat
4	BEW	7:57	38.9 38.2	38.4	3.9	34.5	825	825 - K. Kvammen
5	R		37.8 37.0	37.3	3.9	33.4	812	812 V. Anderson
6	Y		34.9 34.5	34.6	3.9	30.7	800	800
7	BEW	7:59	33.1 32.5	32.7	3.9	28.8	782	782
8	R		31.5 30.8	31.0	3.9	27.1	764	764
9	Y		30.7 30.2	30.4	3.9	26.5	757	757
10	BEW	8:00	29.1 28.8	28.9	3.9	25.0	738	738
11	R		27.8 27.0	?27.3?	3.9	23.4?	722	722
12	Y		27.9 27.2	?27.4?	3.9	23.5?	711	711
13	BEW	8:02	27.1 26.6	26.8	3.9	22.9	706	706
14	R		26.0 25.7	25.8	3.9	21.9	690	690
15	Y		25.5 25.0	25.2	3.9	21.3	676	676
16	BEW	8:03	24.8 24.4	24.5	3.9	20.6	661	661
17	R		24.0 23.6	23.7	3.9	19.8	643	643
18	Y		23.4 23.0	23.1	3.9	19.2	632	632
19	BEW	8:04	22.8 22.4	22.5	3.9	18.6	621	621
20	R		22.1 21.8	21.9	3.9	18.0	600	

lead line - K. Kvammen
motor - V. Anderson

Boat 322+00 S

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 PG. 153
Date ____ Date ____ Survey of ____
Notes Chkd. ____ Checked ____ Survey by ____
No. ____ Date 1-13-54 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.			322+00S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		21.2 20.9	21.0	3.9	17.1	585	585
22	B&W	8:06	20.8 20.4	20.5	3.9	16.6	572	572
23	R		20.0 19.6	19.7	3.9	15.8	557	557
24	Y		19.5 19.0	19.2	3.9	15.3	541	541
25	B&W	8:07	18.3 17.9	18.0	3.9	14.1	520	520
26	R		18.0 17.5	17.7	3.9	13.8	504	504
27	Y		17.0 16.4	16.6	3.9	12.7	480	480
28	B&W	8:09	16.4 16.0	16.1	3.9	12.2	466	466
29	R		15.6 15.0	15.2	3.9	11.3	449	449
30	Y		15.0 14.1	14.4	3.9	10.5	428	428
31	B&W	8:10	14.0 13.6	13.7	3.9	9.8	405	
32	R		12.9 12.7	12.8	3.8	9.0	390	390
33	Y		12.4 12.0	12.1	3.8	8.3	372	372
34	B&W	8:11	11.7 11.3	11.4	3.8	7.6	354	354
35	R		11.0 10.6	10.7	3.8	6.9	336	336
36	Y		10.2 9.7	9.9	3.8	6.1	322	322
37	B&W	8:12	9.7 9.3	9.4	3.8	5.6	306	306
38	R		9.0 8.6	8.7	3.8	4.9	295	295
39	Y		8.3 8.0	8.1	3.8	4.3	282	282
40	B&W	8:14	7.3 6.6	6.8	3.8	3.0	262	

Boat 322+00S

F. B. 1885 Pg. 154 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by F.H.B. Notes CEM 9/18/53 Notes Chkd. K.K. Checked No.
Indexed C. Johnson Date Date 1-19-54 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	319+00-
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
319+00	S-22	1	B&W	8:33	79°00		
		2	R		79°00		
		3	Y		79°14'		
		4	B&W	8:36	79°00		
		5	R		79°00		
		6	Y		79°00		
		7	B&W	8:38	79°00		
		8	R		79°00		
		9	Y		79°00		
		10	B&W	8:42	79°00		
		11	R		79°00		
		12	Y		79°00		
		13	B&W	8:44	79°00		
		14	R		79°00		
		15	Y		79°00		
		16	B&W	8:48	79°00		
		17	R		79°00		
		18	Y		79°00		
		19	B&W	8:50	79°00	CITY OF L.A. F.B. 23934-35	
		20	R		79°00		

Range 319+00S

Profile Notes Red ____ Plotted ____ Job No. 64/17 Division No. ____

F.B. 1885 Pg. 155

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

No. ____ Date ____ Date ____ Map No. ____ Made by 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.	RANGE.	319+00-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
319+00	S-22	21	Y		79°00		
		22	B&W	8:51	78°45		
		23	R		79°00		
		24	Y		79°00		
		25	B&W	8:53	79°00		
		26	R		79°00		
		27	Y		79°00		
		28	B&W	8:54	79°00		
		29	R		79°00		
		30	Y		79°00		
		31	B&W	8:55	79°00		
		32	R		79°00		
		33	Y		79°00		
		34	B&W	8:56	79°00		
		35	R		79°00		
		36	Y		79°00		
		37	B&W	8:57	79°00		
		38	R		79°00		
		39	Y		79°00		
		40	B&W	8:59	79°00		

Range 319+00 S

F.B. 1885 PG. 156 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by FHB Notes JRO 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.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	319+00-
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
319+00	S-22	41	R		79°00		
		42	Y		79°00		
		43	B&W	9:00	79°00		
		44	R		79°00		
		45	Y		79°00		
		46	B&W	9:01	79°00		
		47	R		79°00		
		48	Y		79°00		

Range 319+00 S

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

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

No. ____ Date ____ Date ____ Map No. ____ J. C. Johnson Date ____

F.B. 1885 PG. 157

F.B. 1885 PG. 158 Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date No.

Survey by A. C. Johnson Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

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.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

76L298 307 10-51

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 319+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-20	S-21	1	B&W	8 33	44° 45		
		2	R		44° 08		
		* 3	Y		43° 26		
		4	B&W	8 35	42° 35		
		5	R		43° 47		
		6	Y		43° 18		
		7	B&W	8 37	42° 48		
		8	R		41° 24		
		9	Y		41° 59		
		10	B&W	8 41	42° 43		
		11	R		42° 06		
		12	Y		41° 18		
		13	B&W	8 43	40° 46		
		14	R		40° 42		
		15	Y		40° 23		
		16	B&W	8 47	39° 43		
		17	R		38° 47		
		18	Y		39° 55		
		19	B&W	8 49	39° 03		
		20	R		38° 28		

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

Notes Chkd ____ Checked ____ Survey by FPD Notes ____ Date ____

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

F.B. 1885 Pg. 159

Cut in 319+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.

F.B. 1885 Pg. 160 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile
Survey of BEACH EROSION STUDIES | Date | Date | No.
Survey by EHB | Notes EHB | Notes Chkd. | Checked | X-Sec.
Indexed C. Johnson | Date | Date | Date | No.

STATION		B. S.	H. I.	F. S.	ELEV.		CUT IN 319+00 S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-20	S-21	21	Y		38° 00		
		* 22	B&W	8 51	37° 30		
		23	R		36° 28		
		24	Y		35° 53'		
		25	B&W	8 52	35° 31		
		26	R		35° 20		
		27	Y		34° 46'		
		28	B&W	8 54	33° 56		
		29	R		33° 46		
		30	Y		33° 04		
		31	B&W	8 55	32° 21		
		32	R		32° 12		
		33	Y		30 35		
		34	B&W	8 56	31° 11		
		35	R		30° 07		
		36	Y		29° 50		
		37	B&W	8 57	28° 29		
		38	R		28° 08		
		39	Y		27 56		
		40	B&W	8 58	27° 09		

Cut In 319+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.

Cut In 319+00 S

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On	#	# Color	Time	Hor. Ang.	
5-20 / 5-21	41	R		26°33	
	42	Y		25 58	
	43	B&W	8 59	25°22	
	44	R		24 52	
	45	Y		24°23	
	46	B&W	9:00	23 25	
	47	R		22°43	
	48	Y		21°43	

Cut In 319+00 S

Profile Notes Red. ____ Plotted ____ Job No. 84.2 Division No. ____ F. B. 1885 Pg. 161

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

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

F. B. 1885 PG. 162

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

Survey of _____ Date _____ Date _____ No. _____

Survey by K. C. Johnson 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.		
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.			319+00
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	8:33	50.9 50.4	50.6	3.7	46.9	733	
2	R		48.5 48.0	48.2	3.7	44.5	713	
3	Y		48.5 48.0	48.2	3.7	44.5	691	Bottom soft
4	B&W	8:36	43.4 42.8	43.0	3.7	39.3	673	
5	R		48.9 48.4	48.6	3.6	45.0	705	- V. Anderson
6	Y		47.3 46.8	47.0	3.6	43.4	692	- K. Kvamme
7	B&W	8:38	45.0 44.6	44.7	3.6	41.1	679	
8	R		34.5 34.0 ?	34.2	3.6	30.6 ?	647	
9	Y		37.4 37.0	37.1	3.6	33.5	660	
10	B&W	8:41	44.5 44.0	44.2	3.6	40.6	678	
11	R		39.4 39.0	39.1	3.6	35.5	660	
12	Y		34.4 34.0	34.1	3.6	30.5	642	
13	B&W	8:43	31.4 30.8	31.0	3.6	27.4	630	
14	R		31.1 30.5	30.7	3.6	27.1	629	
15	Y		29.4 28.9	29.1	3.6	25.5	627	
16	B&W	8:47	27.4 26.9	27.1	3.6	23.5	610	
17	R		25.5 24.9	25.1	3.6	21.5	584	
18	Y		28.4 27.9	28.1	3.5	24.6	611	
19	B&W	8:50	26.1 25.6	25.8	3.5	22.3	590	
20	R		24.9 24.4	24.6	3.5	21.1	577	

Field work by V. Anderson & K. Kvamme

Boat 317+00 S

Profile Notes Red ____ Plotted ____ Job No. 2113 Division No. ____ F. B. 1885 Pg. 142

X-Sec. Notes Chkd. KK Checked ____ Survey by ____ Notes 219 Date 9/10/53

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

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.

319+00

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		23.5 23.1	23.2	3.5	19.7	565	
22	B&W	8:51	22.6 22.3	22.4	3.5	18.9	555	
23	R		21.3 20.8	21.0	3.5	17.5	532	
24	Y		20.9 20.4	20.6	3.5	17.1	521	
25	B&W	8:52	20.1 19.6	19.8	3.5	16.3	513	
26	R		19.3 18.9	19.0	3.5	15.5	510	
27	Y		19.1 18.6	18.8	3.5	15.3	500	
28	B&W	8:54	18.1 17.4	17.6	3.5	14.1	480	
29	R		17.6 17.0	17.2	3.5	13.7	479	
30	Y		16.9 16.5	16.6	3.5	13.1	465	
31	B&W	8:55	16.4 15.9	16.1	3.5	12.6	451	
32	R		15.9 15.5	15.6	3.5	12.1	448	
33	Y		15.3 14.9	15.0	3.5	11.5	419	
34	B&W	8:56	15.1 14.7	14.8	3.5	11.3	430	
35	R		14.3 13.9	14.0	3.5	10.5	412	
36	Y		13.9 13.4	13.6	3.5	10.1	406	
37	B&W	8:57	12.9 12.4	12.6	3.5	9.1	383	
38	R		12.4 12.1	12.2	3.5	8.7	377	
39	Y		12.2 11.8	11.9	3.5	8.4	375	
40	B&W	8:58	11.8 11.4	11.5	3.5	8.0	362	

Boat 319+00 S

F. B. 1885 Pg. 164 Job No. B412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by F.H.B. Notes CEM 9/18/53 Notes Chkd. Checked
Indexed R. O. Johnson Date Date 1-19-54 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.			319+00
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R		11.0 10.7	10.8	3.5	7.3	353	
42	Y		10.8 10.4	10.5	3.5	7.0	341	
43	B&W	8:59	10.4 9.9	10.1	3.5	6.6	332	
44	R		9.9 9.4	9.6	3.5	6.1	324	
45	Y		9.5 9.1	9.2	3.5	5.7	318	
46	B&W	9:00	8.6 8.2	8.3	3.5	4.8	302	
47	R		7.9 7.5	7.6	3.5	4.1	292	
48	Y		7.4 6.9	7.1	3.5	3.6	277	

Profile Notes Red ____ Plotted ____ Job No. 5112 Division No. ____

X-Sec. Notes Chkd. KK Checked ____ Survey by ____ Notes CEM Date 9/10/53

No. ____ Date 1-19-54 Date ____ Map No. ____ Indexed Job Date ____

F.B. 1885 Pg. 16

Best 319+00 S

F.B. 1885 PG. 166 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by F.H.B. Notes CEM 9/18/53 Notes Chkd. _____ Checked _____ X-Sec.

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

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

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 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	315+37-3
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
315+37 5-21	1	B&W	9:26	90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B&W	9:30	90°00		
	5	R		90°00		
	6	Y		90°00		
	7	B&W	9:32	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B&W	9:33	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B&W	9:34	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B&W	9:35	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B&W	9:36	90°00	CITY OF L.A. F.B. 23934-36	
	20	R		90°00		

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 1885 Pg. 167

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

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

Range 315+37 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	315+37-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
315+37	S-21	21	Y		90°00		
		22	B&W	9:38	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B&W	9:39	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B&W	9:40	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B&W	9:40	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B&W	9:41	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B&W	9:42	90°00		

Range 315+37 S

F.B. 188 PG. 168 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 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.

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 PG. 169

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by FHB Notes D Date Sept 18/55 Map by ____ Date ____

Cut in 315+37 S

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	CUT IN 315+37
308+65	S-20	1	B&W	9 26	44° 40		
		2	R		42° 49		
		3	Y		45° 03		
		4	B&W	9 29	43° 42		
		5	R		42° 26		
		6	Y		41° 28		
		7	B&W	9 31	40° 28		
		8	R		39° 49		
		9	Y		39° 11		
		10	B&W	9 32	38° 52		
		11	R		38° 11		
		12	Y		37° 40		
		13	B&W	9 33	37° 12		
		14	R		36° 42		
		15	Y		36° 14		
		16	B&W	9 34	35° 40		
		17	R		34° 34		
		18	Y		33° 25		
		19	B&W	9 35	32° 58		
		20	R		31° 50		

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 315+37
308+65	520	21	Y		32° 43		
		22	B&W	9 37	32° 15		
		23	R		31° 35		
		24	Y		30° 53		
		25	B&W	9 38	30° 08		
		26	R		29° 33		
		27	Y		28° 48		
		28	B&W	9 39	28° 09		
		29	R		27° 27		
		30	Y		26° 25		
		31	B&W	9 40	25° 41		
		32	R		24° 45		
		33	Y		23° 59		
		34	B&W	9 41	23° 29		
		35	R		22° 29		
		36	Y		21° 58		
		37	B&W	9 42	21° 12		

Cut In 315+37 S

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

Notes Red. ____ Division No. ____
Date ____
Notes Chkd. ____ Date ____
Notes ____ Date Sept 18/53

Job No. 14
Survey of B. E. Studios
Survey by FHB
Indexed A. C. Johnson

B. 1881 PG. 170

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.

315 + 37

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	9:25	51.4 / 51.0	51.1	3.3	47.8	600
2	R		47.0 / 46.6	46.7	3.3	43.4	565
3	Y		51.2 / 50.5	50.7	3.3	47.4	610
4	B&W	9:30	47.0 / 46.0	46.3	3.3	43.0	580
5	R		43.0 / 42.0	42.3	3.3	39.0	556
6	Y		33.9 / 33.0	33.3	3.3	30.0	539
7	B&W	9:32	28.3 / 27.7	27.9	3.3	24.6	520
8	R		26.0 / 25.4	25.6	3.3	22.3	510
9	Y		24.5 / 24.0	24.2	3.3	20.9	495
10	B&W		23.4 / 23.0	23.1	3.3	19.8	492
11	R		22.8 / 22.5	22.6	3.3	19.3	480
12	Y		22.0 / 21.5	21.7	3.3	18.4	470
13	B&W		21.0 / 20.5	20.7	3.3	17.4	462
14	R		20.3 / 19.7	19.9	3.3	16.6	454
15	Y		19.7 / 19.0	19.2	3.3	15.9	448
16	B&W	9:34	18.5 / 18.0	18.2	3.3	14.9	438
17	R		18.0 / 17.5	17.7	3.3	14.4	420
18	Y		16.8 / 16.6	16.7	3.3	13.4	402
19	B&W	9:35	15.8 / 15.6	15.7	3.3	12.4	397
20	R		15.0 / 14.7	14.8	3.2	11.6	379

K. Kvammen
V. Anderson

lead line - K. Kvammen
motor - V. Anderson

Boat 315 + 37 S

Profile
Notes Red ____ Plotted ____ Job No. 9112 Division No. ____
X-Sec.
Notes Chkd. KK Checked ____ Survey by [illegible] Notes CEM Date 9/18/55
No. ____ Date 1-17-59 Date ____ Map No. [illegible] Date ____

F.B. 1805 PG. 171

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.			315+37
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		15.6 15.4	15.5	3.2	12.3	392	
22	BEW	9:37	15.2 15.0	15.1	3.2	11.9	385	
23	R		14.7 14.4	14.5	3.2	11.3	375	
24	Y		14.4 13.8	14.0	3.2	10.8	362	
25	BEW	9:38	13.6 13.0	13.2	3.2	10.0	352	
26	R		13.5 12.6	12.9	3.2	9.7	346	
27	Y		12.6 12.2	12.3	3.2	9.1	332	
28	BEW	9:39	12.1 11.3	11.6	3.2	8.4	325	
29	R		11.5 10.9	11.1	3.2	7.9	315	
30	Y		10.9 10.2	10.4	3.2	7.2	299	
31	BEW	9:40	10.5 9.7	10.0	3.2	6.8	290	
32	R		9.7 9.3	9.4	3.2	6.2	277	
33	Y		9.0 8.6	8.7	3.2	5.5	267	
34	BEW	9:41	8.8 8.2	8.4	3.2	5.2	260	
35	R		7.8 7.3	7.5	3.2	4.3	248	
36	Y		7.5 7.0	7.2	3.2	4.0	240	
37	BEW	9:42	6.9 6.6	6.7	3.2	3.5	229	
							206	

Boat 315+37 S

F.B. 1885 PG. 172 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 CEM 9/18/53 Notes Chkd. KK Checked
Indexed E. C. Johnson Date Date 1-19-54 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.	RANGE	312 + 65 -
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
312+65	S-21	1	B&W	10:00	85°52		
		2	R		85°52		
		3	Y		85°52		
		4	B&W	10:01	85°52		
		5	R		85°52		
		6	Y		85°52		
		7	B&W	10:02	85°52		
		8	R		85°52		
		9	Y		85°52		
		10	B&W	10:02	85°52		
		11	R		85°52		
		12	Y		85°52		
		13	B&W	10:03	85°52		
		14	R		85°52		
		15	Y		85°52		
		16	B&W	10:04	85°52		
		17	R		85°52		
		18	Y		85°52		
		19	B&W	10:04	85°52	CITY OF L.A. F.B. 23934-38.	
		20	R		85°52		

Range 312+65 S

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

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

No. ____ Date ____ Map No. ____ Date ____

F.B. 1885 PG. 173

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	312+65=S
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
312+65	S-21	21	Y		85°52		
		22	B&W	10:05	85°52		
		23	R		85°52		
		24	Y		85°52		
		25	B&W	10:06	85°52		
		26	R		85°52		
		27	Y		85°52		
		28	B&W	10:07	85°52		ELIMINATE
		29	R		85°52		29, 30, 31
		30	Y		85°52		CUT-IN, DOES
		31	B&W	10:08	85°52		NOT HAVE!

Range 312+65 S

F.B. 1885 PG. 170 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.

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 1855 Pg. 175

X-Sec. Notes Chkd. ____ Checked ____ Survey by EHB Notes JS Date Sept 18/53

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

Cut Up 312+65 S

STATION		B. S.	H. I.	F. S.	ELEV.		CUTIN 312+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S19	S-20	1	B+W	9 59	41° 33		
		2	R		40° 58		
		3	Y		40° 32		
		4	B+W	10 00	39° 51		
		5	R		38° 59		
		6	Y		37° 09		
		7	B+W	10 01	36° 28		
		8	R		35° 28		
		9	Y		35° 02		
		10	B+W	10 02	34° 24		
		11	R		33° 31		
		12	Y		32° 35		
		13	B+W	10 03	31° 53		
		14	R		31° 24		
		15	Y		30° 45.		
		16	B+W	10 04	30° 23		
		17	R		29° 16		
		18	Y		28° 55		
		19	B+W	10 04	27° 51		
		20	R		26° 51		

F.B. 1885 Pg. 176 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of B.E. Studies Date _____ Date _____ No. _____

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

Indexed _____ Date Sept 18/53 Date _____ Date _____ No. _____

Cut In 312+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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
S19 S-20	21	Y		25° 59		Cut In 312+65
	22	Btw	10 05	24° 40		
	23	R		23° 47		
	24	Y		22° 50		
	25	Btw	10 06	21° 22		
	26	R		20° 38		
	27	Y		19° 33		
	28	Btw	10 07	18° 02		

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.

312 + 65

STATION		B.S.	H.I.	F.S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	9:59	53.2 52.7	52.9	3.1	49.8	610	
2	R		51.2 50.7	50.9	3.1	47.8	593	
3	Y		48.0 48.0	48.0	3.1	44.9	583	
4	B&W	10:00	44.4 44.0	44.1 ~~44.0~~	3.1	41.0 ~~40.9~~	572	
5	R		40.0 39.6	39.7	3.1	36.6	552	
6	Y		37.0 36.6	36.7	3.1	33.6	519	
7	B&W	10:01	33.3 33.0	33.1	3.1	30.0	505	
8	R		31.3 31.0	31.1	3.1	28.0	488	V. Anderson
9	Y		29.4 29.0	29.1	3.1	26.0	479	K. Kvammen
10	B&W	10:01	27.0 26.6	26.7	3.1	23.6	468	
11	R		26.4 26.0	26.1	3.1	23.0	450	
12	Y		24.0 23.6	23.7	3.1	20.6	436	
13	B&W	10:02	23.4 23.0	23.1	3.1	20.0	423	
14	R		21.4 21.0	21.1	3.1	18.0	415	
15	Y		20.3 20.0	20.1	3.1	17.0	406	
16	B&W	10:03	19.6 19.2	19.3	3.1	16.2	400	
17	R		18.4 18.2	18.3	3.1	15.2	382	
18	Y		17.5 17.3	17.4	3.1	14.3	378	
19	B&W	10:04	17.3 17.0	17.1	3.1	14.0	360	
20	R		16.3 16.0	16.1	3.1	13.0	343	

motor- K. Kvammen

Boat 312+65 S

Profile Notes Red ____ Plotted ____ Job No. 9417 Division No. ____ F.B. 1885 Pg. 177

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

No. ____ Date 1-19-54 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.

F.B. 188J PG. 176 Job No. 8412 Division No. Hydrl. Notes CEM 9/18/53 Notes Chkd. KK Date 1-19-54
Survey of Bath Erosion
Survey by F.H.B.
Indexed A. C. Johnson Date
Profile No. X-Sec. No.
Plotted Date
Notes Red. Date

STATION		B. S.	H. I.	F. S.	ELEV.			312 + 65
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		15.8					
			15.5	15.6	3.1	12.5	332	
22	B&W	10:04	15.2					
			14.8	14.9	3.1	11.8	312	
23	R		13.7					
			13.4	13.5	3.1	10.4	300	
24	Y		13.1					
			12.7	12.8	3.1	9.7	287	
25	B&W	10:05	12.4					
			12.0	12.1	3.1	9.0	264	
26	R		12.2					
			12.0	12.1	3.1	9.0	254	
27	Y		11.2					
			10.8	10.9	3.1	7.8	239	
28	B&W	10:06	10.0					
			9.6	9.7	3.1	6.6	219	
29	R		9.0					
			8.6	8.7	3.1	5.6	cut-in	missed
30	Y		8.0					
			7.6	7.7	3.1	4.6	cut-in	missed
31	B&W	10:07	7.4					
			7.0	7.1	3.1	4.0	cut-in	missed

Boat 312+65 SJ

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	310+65
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
310+65 S-20	1	B&W	10:19	90°00		
	2	R		90°04		
	3	Y		90°00		
	4	B&W	10:20	90°00		
	5	R		90°00		
	6	Y		90°00		
	7	B&W	10:21	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B&W	10:22	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B&W	10:22	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B&W	10:23	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B&W	10:24	90°00	CITY OF L.A. F.B. 23934-39	
	20	R		90°00		

Range 310+65 S

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

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

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

F.B. 1885 PG. 179

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	310+65-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
310+65	S-20	21	Y		90°00		
		22	B&W	10°25	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B&W	10°26	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B&W	10°27	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B&W	10°28			

Range 310+65 S

F.B. 1885 Pg. 180 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of BEACH EROSION STUDY Date Date X-Sec.
Survey by F&B Notes JRO Notes Chkd. Checked No.
Indexed C. Johnson Date 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.

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 Pg. 181

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

Cut in 310+65 S

STATION		B. S.	H. I.	F. S.	ELEV.		Cut in 310+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
316+00	S-20	1	B+W	10 17	49° 21		
		2	R		48° 36		
		3	Y		47° 25		
		4	B+W	10 19	46° 32		
		5	R		46° 15		
		6	Y		45° 41		
		7	B+W	10 20	45° 12		
		8	R		44° 42		
		9	Y		43° 55		
		10	B+W	10 21	43° 36		
		11	R		43° 08		
		12	Y		42° 28		
		13	B+W	10 22	41° 39		
		14	R		41° 13		
		15	Y		40° 41		
		16	B+W	10 22	39° 28		
		17	R		38° 45		
		18	Y		38° 07		
		19	B+W	10 23	37° 09		
		20	R		35° 39		

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 310+65
316+00	S-20	21	Y		34° 31		
		22	B&W	10 24	33° 23		
		23	R		31° 52		
		24	Y		31° 11		
		25	B&W	10 25	30° 03		
		26	R		28° 28		
		27	Y		26° 41		
		28	B&W	10 26	25° 00		
		29	R		24° 04		
		30	Y		22° 32		
		31	B&W	10 27	21° 31		

Cut In 310+65 S

F.B. 1885 PG. 182 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by EHB Notes Jr Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Sept 18/53 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.			310+65
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1 BEW	10:18	56.0 55.6	55.7	3.1	52.6	564	
2 R		53.4 52.8	53.0	3.1	49.9	550	
3 Y		49.0 48.0	48.3	3.1	45.2	530	
4 BEW	10:19	43.3 42.5	42.8	3.1	39.7	515	
5 R		38.8 38.0	38.3	3.1	35.2	510	
6 Y		36.1 35.0	35.4	3.1	32.3	500	
7 BEW	10:20	30.4 28.8	29.3	3.1	26.2	490	- K. Kvamme
8 R		27.4 26.6	26.9	3.1	23.8	482	- V. Anderson
9 Y		25.1 24.5	24.7	3.1	21.6	470	
10 BEW	10:21	23.5 23.1	23.2	3.1	20.1	467	motor - V. Anderson
11 R		22.5 22.0	22.2	3.1	19.1	460	
12 Y		21.8 21.5	21.6	3.1	18.5	448	
13 BEW	10:22	20.6 20.5	20.5	3.1	17.4	437	
14 R		19.9 19.5	19.6	3.1	16.5	430	
15 Y		18.8 18.2	18.4	3.1	15.3	422	
16 BEW	10:22	17.6 17.2	17.3	3.1	14.2	403	
17 R		16.9 16.6	16.7	3.1	13.6	395	
18 Y		16.8 15.9	16.2	3.1	13.1	387	
19 BEW	10:23	16.0 15.6	15.7	3.1	12.6	373	
20 R		15.0 14.5	14.7	3.1	11.6	369	

Boat in 310+65

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1080 Pg. 182

Notes Checked ____ Date ____ Survey of ____ Date ____ Chief ____ Date ____

No. ____ Date 1-10-74 Date ____ Map No. ____ Engineer 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.

310 +65

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
21	Y		14.1 13.8	13.9	3.1	10.8	340
22	B&W	10:24	13.4 12.8	13.0	3.0	10.0	326
23	R		12.6 12.2	12.3	3.0	9.3	309
24	Y		11.8 11.3	11.5	3.0	8.5	300
25	B&W	10:25	11.4 10.5	10.8	3.0	7.8	286
26	R		10.4 10.0	10.1	3.0	7.1	270
27	Y		9.5 9.0	9.2	3.0	6.2	250
28	B&W	10:26	8.5 7.9	8.1	3.0	5.1	230
29	R		8.1 7.2	7.5	3.0	4.5	220
30	Y		7.3 6.7	6.9	3.0	3.9	204
31	B&W	10:27	6.2 5.8	5.9	3.0	2.9	196

Boat 310+65

F.B. 1885 PG. 182 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by F.H.B. Notes CEM 9/18/53 Notes Chkd. RK Checked
Indexed A. C. Johnson Date Date 1-19-54 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.	RANGE 308+65
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
308+65 5-20	1	B&W	10:41	90°00	
	2	R		90°00	
	3	Y		90°00	
	4	B&W	10:42	90°00	
	5	R		90°00	
	6	Y		90°00	
	7	B&W	10:47	90°00	
	8	R		90°00	
	9	Y		90°24	
	10	B&W	10:48	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	10:50	90°00	
	17	R		90°00	
	18	Y		90°00	
	19	B&W	10:51	90°00	CITY OF L.A. F.B. 23934-40
	20	R		90°00	

Profile No. Notes Red. Plotted Job No. 6412 Division No. F.B. 1885 Pg. 185

Notes Chkd. Checked Survey by Notes Date

No. Date Date Map No. Johnson Date

308+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.	RANGE	308+65-5
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
308+65	5-20	21	Y		90°00		
		22	B&W	10°52	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B&W	10°52	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B&W	10°53	90°00		
		29	R		90°00		
		30	Y		90°00		

Range 308+65 5

F.B. 1885 PG. 186 Job No. P412 Division No. Notes Red. Plotted No. Profile
Survey of BEACH EROSION STUDY Date Date X-Sec.
Survey by EHB Notes JRO Notes Chkd. Checked No.
Indexed E. C. Johnson 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.		CUT IN 308+65
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
316+00 S-20	1	B+W	10 40	43° 43		
	2	R		42° 47		
	3	Y		41° 25		
	4	B+W	10 41	40° 52		
	5	R		40° 05		
	6	Y		39° 41		
	7	B+W	10 46	41° 06		
	8	R		40° 13		
	* 9	Y		39° 32		
	10	B+W	10 46	39° 05		
	11	R		38° 17		
	12	Y		37° 21		
	13	B+W	10 48	36° 29		
	14	R		35° 59		
	15	Y		35° 07		
	16	B+W	10 49	34° 17		
	17	R		33° 17		
	18	Y		32° 30		
	19	B+W	10 50	31° 04		
	20	R		30° 21		

Profile No. Notes Red Plotted Job No. 8412 Division No. F.B. 1885 Pg. 187

Notes Chkd. Checked Survey by Notes

No. Date Date Map No. Indexed Date

Cut in 308+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.		CUTIN 308+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
316+00	S-20	21	Y		29° 27		
		22	B+W	10 50	28° 06		
		22	R		26° 58		
		24	Y		25° 57		
		25	B+W	10 51	25° 04		
		26	R		24° 18		
		27	Y		23° 35		
		28	B+W	10 52	22° 06		
		29	R		21° 19		
		31	Y		19° 48		

Cut In 308+65 S

F.B. 1885 PG. 188 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Studies Date Date X-Sec.
Survey by F.H.B. Notes J.S. Notes Chkd. Checked No.
Indexed E. C. Johnson Date Sept 18/53 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.

308+65

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	BEW	10:40	53.4 53.0	53.1	3.0	50.1	640	
2	R		51.5 51.1	51.2	3.0	48.2	620	
3	Y		46.5 46.0	46.2	3.0	43.2	590	
4	BEW	10:42	43.4 42.8	43.0	3.0	40.0	580	
5	R		40.2 39.6	39.8	3.0	36.8	561	
6	Y		38.0 37.4	37.6	3.0	34.6	554	
7	BEW	10:46	46.0 45.5	45.7	3.0	42.7	582	- V. Anderson
8	R		41.5 41.0	41.2	3.0	38.2	566	- K. Kvammen
9	Y		38.5 38.0	38.2	3.0	35.2	* 555	
10	BEW	10:47	37.0 34.3 ?	35.2 ?	3.0	32.2 ?	543	
11	R		30.5 30.0	30.2	3.0	27.2	528	
12	Y		29.4 29.0	29.1	3.0	26.1	511	
13	BEW	10:48	26.2 25.8	25.9	3.0	22.9	493	
14	R		24.6 24.4 ?	24.5 ?	3.0	21.5 ?	484	
15	Y		23.2 22.8	22.9	3.0	19.9	470	
16	BEW	10:49	21.4 21.0	21.1	3.0	18.1	458	
17	R		19.0 18.5	18.7	3.0	15.7	439	
18	Y		18.5 18.0	18.2	3.0	15.2	425	
19	BEW	10:50	17.5 17.0	17.2	3.0	14.2	401	
20	R		16.0 15.5	15.7	3.0	12.7	392	

Boat 308+65 S

Read Tide V. Anderson
motor - K. Kvammen

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey by Notes Date
No. Notes Chkd. Checked Map No. Date
Date 1-19-54 Date Date

F.B. 1885 PG. 189

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.			308 + 65
#	Color Time	Meas. Depth	Bottom Tide		Adj. Depth		Remarks
21	Y	14.5 14.0	14.2	3.0	11.2	377	
22	B&W 10:51	13.4 13.0	13.1	3.0	10.1	357	
23	R	12.1 11.7	11.8	3.0	8.8	340	
24	Y	11.4 11.0	11.1	3.0	8.1	322	
25	B&W 10:52	10.4 10.0	10.1	3.0	7.1	311	
26	R	9.8 9.5	9.6	3.0	6.6	299	
27	Y	9.3 9.0	9.1	3.0	6.1	289	
28	B&W 10:52	8.4 8.0	8.1	3.0	5.1	269	
29	R	7.8 7.5	7.6	3.0	4.6	256	
30	Y	7.4 7.0	7.1	3.0	4.1	232	

Boat 308+65 S

F.B. 188 Pg. 190 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by F.H.B. Notes CEM 9/18/53 Notes Chkd. RK Checked
Indexed A. C. Johnson Date Date 1-19-54 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.	RANGE	306+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
306+65	5-20	1	B&W	11:18	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B&W	11:19	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B&W	11:20	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B&W	11:21	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B&W	11:22	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B&W	11:23	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B&W	11:24	90°00	CITY OF L.A.F.B. 23934-41	
		20	R		90°00		

Range 306+65 5

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 1885 Pg. 191

No. ____ Date ____ Date ____ 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.	RANGE	306+65-S
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
306+65	S-20	21	Y		90°00		
		22	B&W	11:26	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B&W	11:26	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B&W	11:27	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B&W	11:28	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B&W	11 29	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B&W	11:29	89°44'		
		38	R		90°00		

Range 306+65 S

F.B. 1885 Pg. 192 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by EHB Notes JRD Notes Chkd. Checked
Indexed E. 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.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. 188 PG. 193

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

Cut in 306+65

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
3+20	319	1	B&W	11 17	54° 53		
		2	R		54° 25		
		3	Y		53° 30		
		4	B&W	11 18	53° 13		
		5	R		52° 37		
		6	Y		51° 50		
		7	B&W	11 19	51° 53		
		8	R		50° 46		
		9	Y		50° 13		
		10	B&W	11 20	49° 55		
		11	R		49° 03		
		12	Y		48° 09		
		13	B&W	11 21	47° 29		
		14	R		47° 01		
		15	Y		46° 30		
		16	B&W	11 22	45° 48		
		17	R		45° 07		
		18	Y		43° 49		
		19	B&W	11 23	42° 43		
		20	R		42° 04		

Cut in 306+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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
5-20	5-19	21	Y		40°25		
		22	B+W	11 24	39°04		
		23	R		38°21		
		24	Y		37°21		
		25	B+W	11 25	36°21		
		26	R		35°32		
		27	Y		34°00		
		28	B+W	11 26	33°09		
		29	R		32°03		
		30	Y		30°57		
		31	B+W	11 27	29°57		
		32	R		28°58		
		33	Y		28°03		
		34	B+W	11 27	26°56		
		35	R		25°48		
		36	Y		24°44		
		37	B+W	11 28	23°53		
		38	R		21°51		

Cut In 306+65 S

Profile

F.B. 1885 PG. 190 Job No. 8412 Division No. Notes Red. Plotted No.

Survey of B.F. Studies Date Date X-Sec.

Survey by F.H.B. Notes JS Notes Chkd. Checked

Indexed C. Johnson Date Sept. 18/53 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.

306+65

STATION #	Color	Time	B. S.	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	BEW	11:18		55.6 / 54.8	55.1	3.0	52.1	763
2	R			54.5 / 53.7	54.0	3.0	51.0	750
3	Y			50.9 / 51.6 ?	51.1 ?	3.0	48.1 ?	725
4	BEW	11:19		51.4 / 50.6	50.9	3.0	47.9	718
5	R			49.4 / 49.0	49.1	3.0	46.1	702
6	Y			47.4 / 47.2	47.3	3.0	44.3	682
7	BEW	11:19		47.2 / 46.5	46.7	3.0	43.7	684 - K. Kvamman
8	R			44.2 / 43.9	44.0	3.0	41.0	657 - V. Anderson
9	Y			41.6 / 41.0	41.2	3.0	38.2	644
10	BEW	11:21		40.6 / 40.0	40.2	3.0	37.2	637
11	R			38.3 / 38.0	38.1	3.0	35.1	618
12	Y			36.6 / 36.0	36.2	3.0	33.2	599
13	BEW	11:22		35.6 / 35.2	35.3	3.0	32.3	585
14	R			33.7 / 33.5	33.6	3.0	30.6	576
15	Y			32.5 / 32.0	32.2	3.0	29.2	565
16	BEW	11:23		32.4 / 31.8	32.0	3.0	29.0	552
17	R			30.4 / 30.0	30.1	3.0	27.1	539
18	Y			28.5 / 27.5	27.8	3.0	24.8	515
19	BEW	11:24		25.2 / 24.7	24.9	3.0	21.9	495
20	R			22.0 / 20.3	20.9	3.0	17.9	484

Motor - V. Anderson

0'41'
1°18'

Seat 306+65

Profile
Notes Red ____ Plotted ____ Job No. 9412 Division No. ____
Notes Checked ____ Survey By ____
No. ____ Date 1-15-54 Date ____ Map No. ____ Tinted Johnson Date ____

F.B. 1885 Pg. 195

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.

306+65

STATION	B. S.	H. I.	F. S.	ELEV.			
#	Color Time	Meas. Depth	Bottom Tide		Adj. Depth		Remarks
21	Y	19.8 / 19.2	19.4	3.0	16.4	457	
22	B&W 11:25	18.5 / 18.0	18.2	3.0	15.2	436	
23	R	17.6 / 17.0	17.2	3.0	14.2	424	
24	Y	16.6 / 16.2	16.3	3.0	13.3	409	
25	B&W 11:26	16.4 / 15.8	16.0	3.0	13.0	395	
26	R	15.8 / 15.2	15.4	3.0	12.4	383	
27	Y	15.1 / 14.5	14.7	3.0	11.7	362	
28	B&W 11:26	14.5 / 14.0	14.2	3.0	11.2	350	
29	R	14.0 / 13.2	13.5	3.0	10.5	336	
30	Y	13.2 / 12.7	12.9	3.0	9.9	322	
31	B&W 11:27	11.1 / 11.8	11.3	3.0	8.3	309	something wrong on this reading
32	R	11.3 / 11.0	11.1	3.0	8.1	297	
33	Y	10.9 / 10.5	10.6	3.0	7.6	286	
34	B&W 11:28	10.4 / 9.8	10.0	3.0	7.0	272	
35	R	9.2 / 8.5	8.7	3.0	5.7	259	
36	Y	8.6 / 8.0	8.2	3.0	5.2	247	
37	B&W 11:28	7.7 / 7.4	7.5	3.0	4.5	* 238	
38	R	6.8 / 6.2	6.4	3.0	3.4	232	

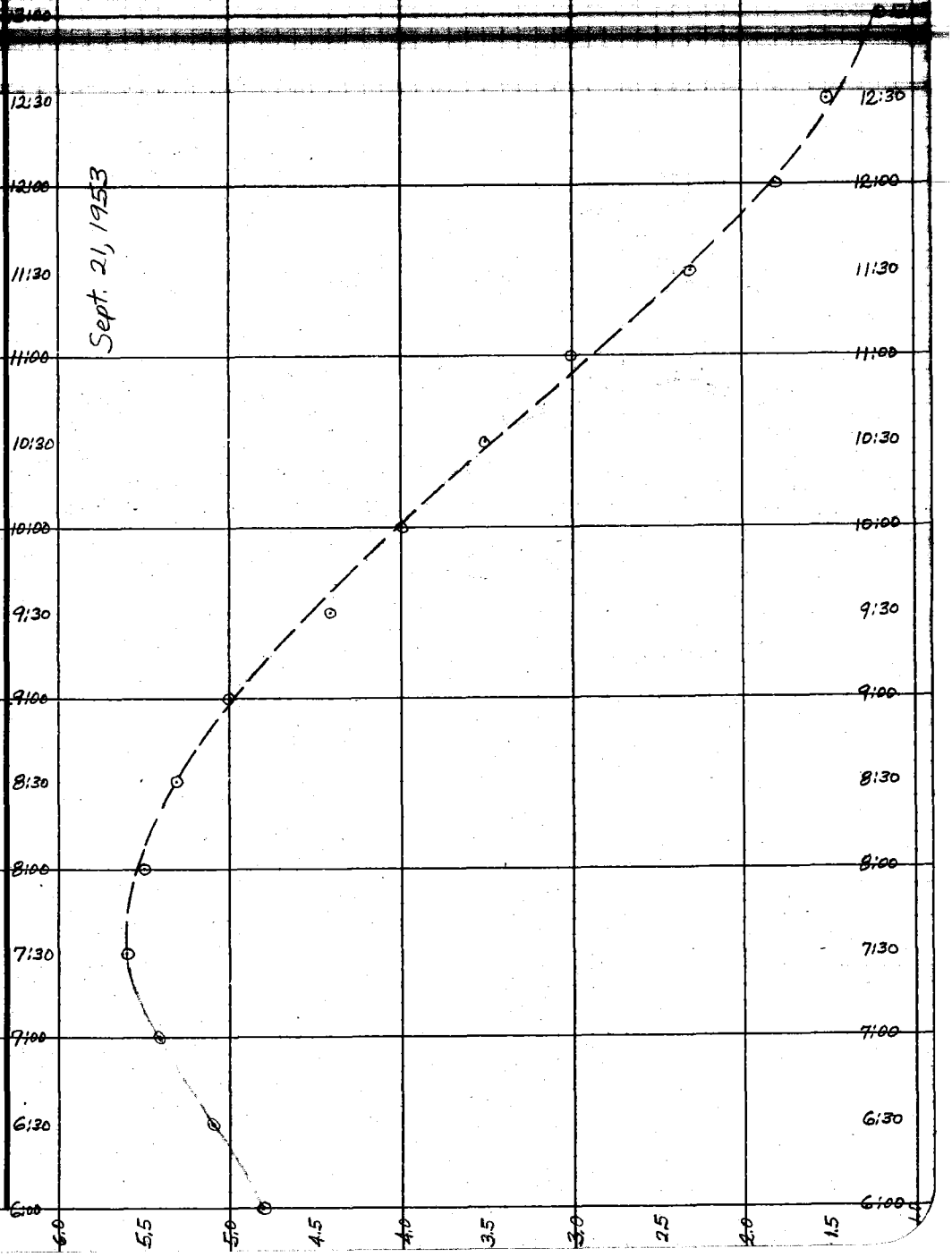
Boat 306+65

F.B. 1885 Pg. 196 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by F.H.B. Notes CEM 9/18/53 Notes Chkd KK Checked
Indexed E. O. Johnson Date Date 1-13-54 Date No.

F. B. _____ 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.

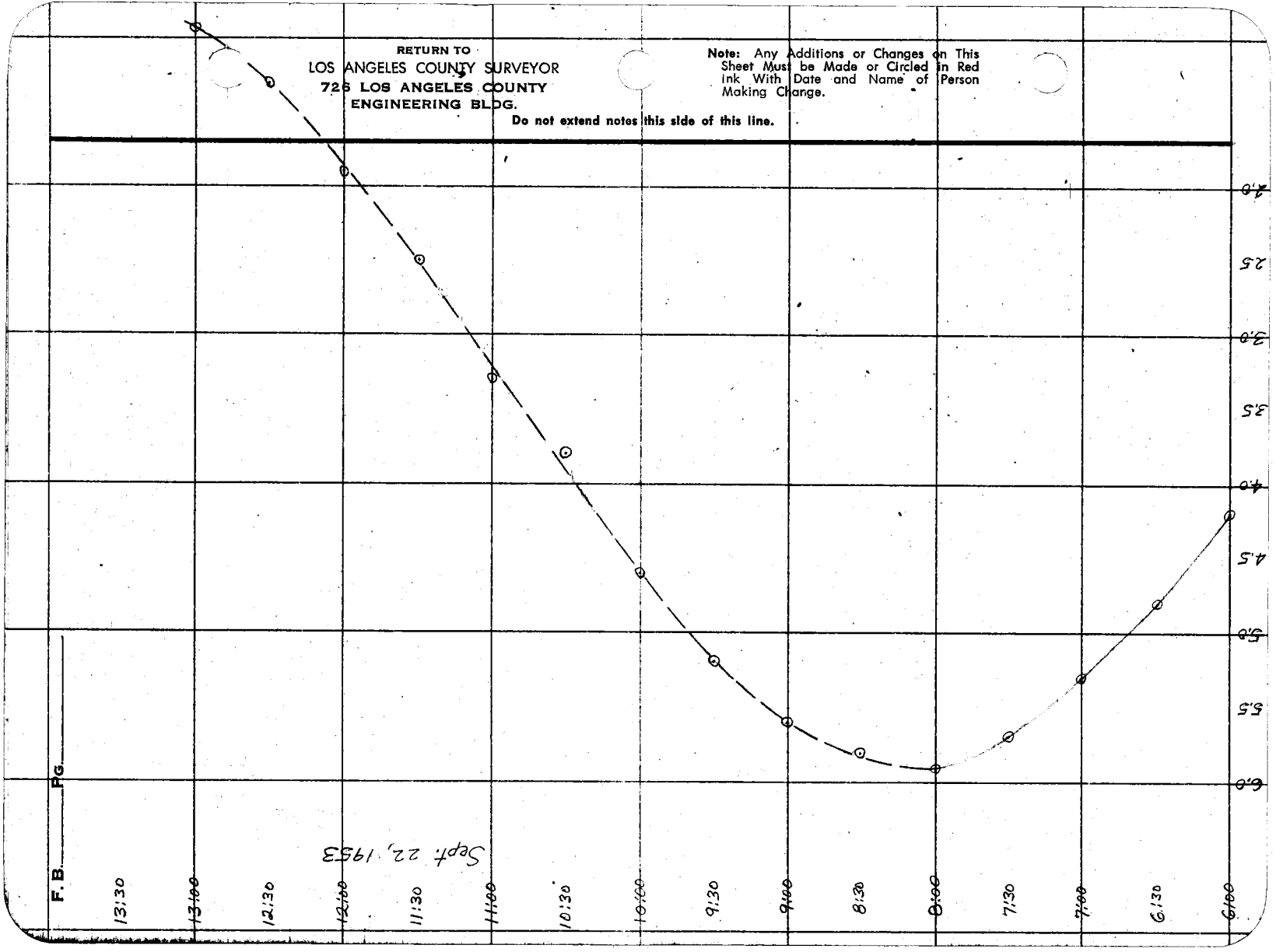
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 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. _____

F. B. 1085 PG. 197

Map No. _____ W. O. _____ Tape No. _____ St'd. _____ °F
Office Work _____ Surveyed by _____
Checked _____ Notes _____ Date _____
Date _____ Indexed C. Johnson 10-1-68

TIDE GAGE

STANDARD TIME SEPT 21 1953

HOUR	TIDE
6:00	4.8
6:30	5.1
7:00	5.4
7:30	5.6
8:00	5.5
8:30	5.3
9:00	5.0
9:30	4.4
10:00	4.0
10:30	3.5
11:00	3.0
11:30	2.3
12:00	1.8
12:30 ~~1:00~~	1.5
1:00 ~~1:30~~	1.2
~~2:00~~	
~~2:30~~	

Note: Any Additions or Changes on This Sheet Must 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. 1885 PG. 198

TIDE GAGE

STANDARD TIME

SEPT. 22 1953

HOUR	TIDE
6:00	4.2
6:30	4.8
7:00	5.3
7:30	5.7
8:00	5.9
8:30	5.8
9:00	5.6
9:30	5.2
10:00	4.6
10:30	3.8
11:00	3.3
11:30	2.5
12:00	1.9
12:30	1.3
1:00	0.9
1:30	0.4
2:00	

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	B. S.	H. I.	F. S.	ELEV.	RANGE 302+15 S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
302+15 S/A	1	B&W	7:23	104°27	
	2	R		104°27	
	3	Y		104°27	
	4	B&W	7:26	104°27	
	5	R		104°27	
	6	Y		104°27	
	7	B&W	7:27	104°27	
	8	R		104°27	
	9	Y		104°27	
	10	B&W	7:29	104°27	
	11	R		104°27	
	12	Y		104°27	
	13	B&W	7:31	104°27	
	14	R		104°27	
	15	Y		104°27	
	16	B&W	7:35	104°27	
	17	R		104°27	
	18	Y		104°27	
	19	B&W	7:38	104°27	CITY OF L.A. F.B. 23934-42
	20	R		104°27	

Range 302+15 S

Profile Notes Red. ____ Plotted ____ Job No. 5416 Division No. ____ F. B. 1885 Pg. 199

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ Date ____ Map No. ____ Date 10-1-53

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 302+15.S

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
		21	R		104 [illegible]7		
		22	B&W	7:40	104 [illegible]7		
		23	R		104 [illegible]7		
		24	Y		104 [illegible]7		
		25	B&W	7:42	104 [illegible]7		
		26	R		104 [illegible]7		
		27	Y		104 [illegible]7		
		28	B&W	7:45	104 [illegible]7		
		29	R		104 [illegible]7		
		30	Y		104 [illegible]7		
		31	B&W	7:47	104 [illegible]7		
		32	R		104 [illegible]7		
		33	Y		104 [illegible]7		
		34	B&W	7:5[illegible]	104 [illegible]7		
		35	R		104 [illegible]7		
		36	Y		104 [illegible]7		
		37	B&W	7:5[illegible]	104 [illegible]7		

Range 302+15 S

F. B. 1885 Pg. 200 Job No. 8413 Division No. Notes Red. Plotted Profile
Survey of BEACH SPUR Date Date No.
Survey by E.H.S. Notes Chkd. Checked X-Sec.
Indexed L. O. Johnson 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.

CUT IN 302+15

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
308+65	S19	1	B+W	7 23	55° 05		
		2	R		54° 23		
		3	Y		53° 40		
		4	B+W	7 24	53° 12		
		5	R		52° 49		
		6	Y		51° 53		
		7	B+W	7 26	51° 50		
		8	R		50° 42		
		9	Y		50° 29		
		10	B+W	7 28	49° 27		
		11	R		48° 51		
		12	Y		48° 50		
		13	B+W	7 30	47° 39		
		14	R		47° 35		
		15	Y		46° 16		
		16	B+W	7 35	46° 03		
		17	R		44° 57		
		18	Y		44° 38		
		19	B+W	7 38	44° 01		
		20	R		42° 22		

Cut in 302+15 S

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

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

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

F.B. 1885 Pg. 201

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.

CUT IN 302+15

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
310+65	S 19	21	Y		40° 29	
		22	B+W	7 40	41° 43	
		23	R		40° 05	
		24	Y		38° 02	
		25	B+W	7 42	37° 25	
		26	R		35° 41	
		27	Y		34° 07	
		28	B+W	7 45	31° 33	
		29	R		34° 23	
		30	Y		33° 19	
		31	B+W	7 47	31° 39	
		32	R		30° 23	
		33	Y		29° 41	
		34	B+W	7 49	28° 59	
		35	R		27° 49	
		36	Y		25° 59	
		37	B+W	7 55	24° 41	

Cut In 302+15 S

F.B. 1885 PG 202 Job No. 8912 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studios Date Date No.
Survey by FHB Notes JS Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date Sept 19/53 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.

302+15S

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	BEW	7:22	55.4 55.0	55.1	5.6	49.5	573	
2	R		53.1 52.8	52.9	5.6	47.3	560	
3	Y		50.2 49.8	49.9	5.6	44.3	545	
4	BEW	7:24	47.0 46.6	46.7	5.6	41.1	535	
5	R		45.2 44.7	44.9	5.6	39.3	528	
6	Y		40.1 39.2	39.5	5.6	33.9	510	
7	BEW	7:26	38.9 38.0	38.3	5.6	32.7	510	
8	R		34.1 33.6	33.8	5.6	28.2	488	
9	Y		33.6 32.9	33.1	5.6	27.5	482	
10	BEW	7:28	30.5 30.0	30.2	5.6	24.6	463	
11	R		29.7 28.8	29.1	5.6	23.5	453	
12	Y		29.2 28.8	28.9	5.6	23.3	453	
13	BEW	7:30	27.3 26.7	26.9	5.6	21.3	435	
14	R		27.0 26.5	26.7	5.6	21.1	432	
15	Y		25.4 24.8	25.0	5.6	19.4	410	
16	BEW	7:35	24.7 24.1	24.3	5.6	18.7	408	
17	R		23.4 22.8	23.0	5.6	17.4	388	
18	Y		23.9 22.2	22.8	5.6	17.2	382	
19	BEW	7:38	21.9 21.6	21.7	5.6	16.1	372	
20	R		20.7 20.0	20.2	5.6	14.6	347	

Profile Notes Red Plotted Job No. 8412 Division No. F. B. 1885 Pg. 63

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.

302 + 15 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		18.6 17.7	18.0	5.6	12.4	320	
22	B&W	7:40	19.6 19.2	19.3	5.6	13.7	330	
23	R		18.3 17.7	17.9	5.6	12.3	314	
24	Y		16.8 16.1	16.3	5.6	10.7	286	
25	B&W	7:43	16.4 15.6	15.9	5.6	10.3	278	
26	R		15.0 14.6	14.7	5.6	9.1	252	
27	Y		14.4 13.9	14.1	5.6	8.5	233	
28	B&W	7:45	12.9 11.9	12.2	5.6	6.6	200	
29	R		14.4 13.8	14.0	5.6	8.4	236	
30	Y		13.4 13.2	13.3	5.6	7.7	222	
31	B&W	7:47	12.3 11.9	12.0	5.6	6.4	201	
32	R		11.8 11.4	11.5	5.6	5.9	186	
33	Y		11.6 11.0	11.2	5.6	5.6	178	
34	B&W	7:50	10.4 9.9	10.1	5.6	4.5	169	
35	R		9.9 9.5	9.6	5.6	4.0	155	
36	Y		9.5 8.4	8.8	5.6	3.2	131	
37	B&W	7:56	8.5 7.5	7.8	5.6	2.2	119	sounded on rocks n rocks at groin

Boat 302 + 15 S

F. B. 1885 Pg. 204
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Study Date Date No.
Survey by E.H.B. Notes CEM 9/21/53 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date 1-19-54 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 298+65 - S

Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
298+65	S-18	1	B+W	8:38	80° 18'	
		2	R		80° 18'	
		3	Y		80° 18'	
		4	B+W	8:40	80° 18'	
		5	R		80° 18'	
		6	Y		80° 18'	
		7	B+W	8:42	80° 18'	
		8	R		80° 18'	
		9	Y		80° 18'	
		10	B+W	8:44	80° 18'	
		11	R		80° 18'	
		12	Y		80° 18'	
		13	B+W	8:45	80° 18'	
		14	R		80° 18'	
		15	Y		80° 18'	
		16	B+W	8:48	80° 18'	
		17	R		80° 18'	
		18	Y		80° 18'	
		19	B+W	8:50	80° 18'	City of L.A. F.B. 23934-44
		20	R		80° 18'	

Range 298+65 - 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. 1885 Pg. 205

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	
Range 298+65 S		21	Y		80 18'		
		22	B&W	9:02	80 18'		
		23	R		80 18'		
		24	Y		80 18'		
		25	B&W	9:04	80 18'		
		26	R		80 18'		
		27	Y		80 18'		
		28	B&W	9:05	80 18'		
		29	R		80 18'		
		30	Y		80 18'		
		31	B&W	9:08	80 18'		
		32	R		80 18'		
		33	Y		80 18'		
		34	B&W	9:10	80 18'		
		35	R		80 18'		
		36	Y		80 18'		
		37	B&W	9:11	80 18'		
		38	R		80 18'		
		39	Y		80 18'		
		40	B&W	9:14	80 18'		

F. B. 1882 PG. 206
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 A. Johnson Date Date Date No.

Profile Notes Red. Plotted Job No. Division No. F. B. 1885 Pg. 207

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

No. Date Date Map No. Date

Range 298+65 S

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	298+65 -
Inst. Sight At	OH	# Color	Time Hor. Ang.			Remarks
298+65 S-18	41	R	80° 18'			

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	296+65-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
296+65	S-17	1	B&W	9:35	86 37		
		2	R		86 37		
		3	Y		86 37		
		4	B&W	9:40	86 37		
		5	R		86 37		
		6	Y		86 37		
		7	B&W	9:42	86 37		
		8	R		86 37		
		9	Y		86 37		
		10	B&W	9:43	86 37		
		11	R		86 37		
		12	Y		86 37		
		13	B&W	9:44	86 37		
		14	R		86 37		
		15	Y		86 37		
		16	B&W	9:46	86 37		
		17	R		86 37		
		18	Y		86 37		
		19	B&W	9:47	86 37		
		20	R		86 37		

Range 296+65 S

F. B. 1885 Pg. 208 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of BEACH EROSION STUDIES Date ____ Date ____ No. ____
Survey by FHB Notes TM Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed R. C. Johnson Date ____ Date ____ Date ____ No. ____

76L298 307 4-50

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

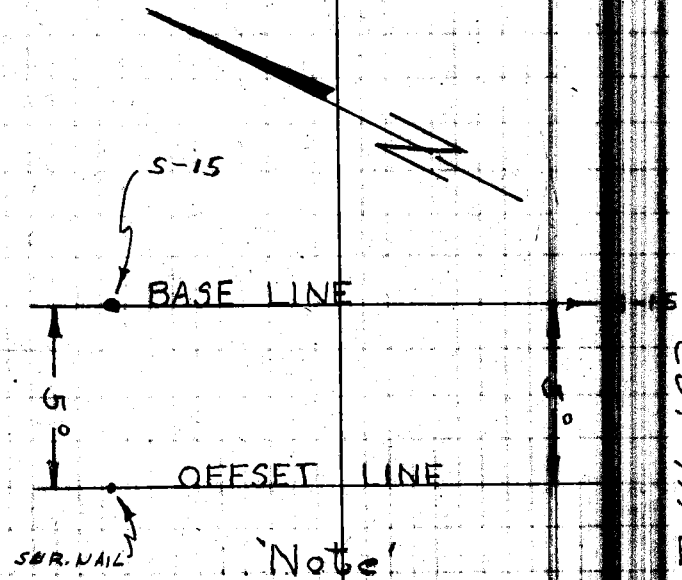
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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.
S 15	S 16 1	B+W	8 38	26° 38
5 Foot offset	5' off 2	R		25° 23
	3	Y		24° 47
	4	B+W	8 39	24° 10
	5	R		23° 27
	6	Y		22° 46
	7	B+W	8 41	22° 31
	8	R		21° 58
	9	Y		21° 26
	10	B+W	8 43	21° 01
	11	R		20° 30
	12	Y		19° 55
	13	B+W	8 45	19° 26
	14	R		18° 32
	15	Y		18° 25
	16	B+W	8 46	17° 48
	17	R		17° 25
	18	Y		16° 36
	19	B+W	8 50	16° 03
	20	R		15° 14

CUTIN 298+55

Remarks



'Note'
Inst an 5 Foot OFFset

CUT IN 298+55

Profile Notes Red ____ Plotted ____ Job No. R412 Division No. ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____
F. B. 1885 PG. 209

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 298+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S15	S16	21	Y		13° 05		
		22	B+W	9 01	14° 58		
		23	R		12° 08		
		24	Y		11° 30		
		25	B+W	9 03	10° 23		
		26	R		9° 59		
		27	Y		8° 58		
		28	B+W	9 05	8° 38		
		29	R		7° 19		
		30	Y		6° 55		
		31	B+W	9 07	5° 56		
		32	R		5° 36		
		33	Y		4° 24		
		34	B+W	9 09	3° 47		
		35	R		3° 20		
		36	Y		2° 24		
		37	B+W	9 11	1° 56		
		38	R		0° 38		
		39	Y		0° 10		
		40	B+W	9 14	359° 55		

Cut In 298+65 S

F. B. 1885 Pg. 210 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 C. Johnson Date Sept 21/53 Date Date No.

Profile Notes Red. Plotted Job No. 8412 Division No. F. B. 1885 Pg. 211

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

No. Date Date Map No. [illegible] Johnson Date

Cut In 278+65 S

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. Sight At On		# Color	Time Hor. Ang.		Cut In 298+65
S-15	S 16 A1	R	359° 17		

76L298 307 4-50

76L298 307 4-50

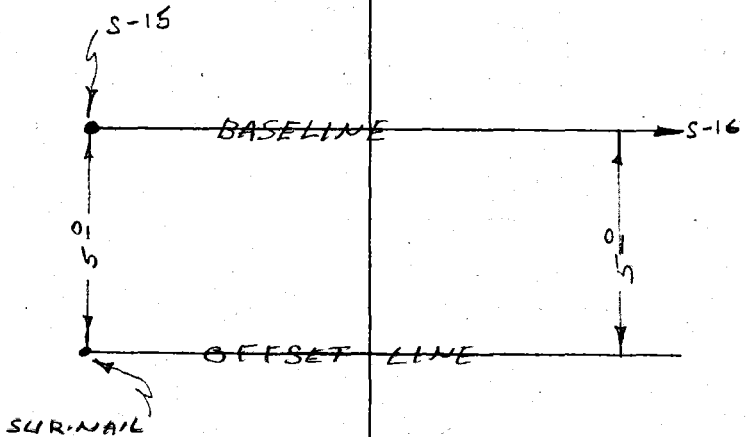
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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	
S 15	S 16	1	B&W	9 35	35° 04		
5° off	5° off	2	R		33° 20		
		3	Y		32° 58		
		4	B&W	9 39	31° 02		
		5	R		31° 13		
		6	Y		30° 15		
		7	B&W	9 41	29° 20		
		8	R		28° 14		
		9	Y		27° 26		
		10	B&W	9 43	26° 47		
		11	R		25° 35		
		12	Y		24° 43		
		13	B&W	9 44	23° 40		
		14	R		22° 47		
		15	Y		22° 58		
		16	B&W	9 45	21° 38		
		17	R		20° 26		
		18	Y		19° 13		
		19	B&W	9 47	17° 49		
		20	R		18° 11		

CUT IN 296+65



NOTE: INST. ON 5° OFFSET

Cut In 296+65 S

F. B. 1885 Pg. 212 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 A. C. Johnson Date Sept 21/53 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.

E.S. - [illegible]
K.K. - [illegible]
C.M. - [illegible]

298+65 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	8:38	56.1 / 55.8	55.9	5.2	50.7	648	range angles slightly
2	R		51.9 / 51.0	51.3	5.2	46.1	612	for entire run, Check
3	Y		43.0 / 42.1	42.4	5.2	37.2	598	against official range
4	B&W	8:40	37.5 / 36.5	36.8	5.2	31.6	582	list
5	R		34.0 / 33.5	33.7	5.2	28.5	560	
6	Y		31.1 / 30.8	30.9	5.2	25.7	548	
7	B&W	8:41	30.7 / 30.3	30.4	5.2	25.2	539	
8	R		29.3 / 28.8	29.0	5.2	23.8	524	
9	Y		28.4 / 28.2	28.3	5.2	23.1	512	
10	B&W	8:44	27.8 / 27.5	27.6	5.2	22.4	502	
11	R		27.2 / 26.5	26.7	5.2	21.5	490	
12	Y		25.8 / 25.5	25.6	5.2	20.4	477	
13	B&W	8:45	25.2 / 24.5	24.7	5.2	19.5	464	
14	R		24.3 / 23.6	23.8	5.1	18.7	447	
15	Y		23.5 / 22.8	23.0	5.1	17.9	442	
16	B&W	8:48	22.8 / 22.3	22.5	5.1	17.4	429	
17	R		22.3 / 22.0	22.1	5.1	17.0	420	
18	Y		22.5 / 21.8	22.0	5.1	16.9	405	
19	B&W	8:50	21.7 / 21.2	21.4	5.1	16.3	391	
20	R		21.2 / 20.5	20.7	5.1	15.6	372	

Boat 298+65 S

Profile No. ____ Notes Red ____ Plotted ____ Job No. 9412 Division No. ____

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

No. ____ Date 1-19-54 Date ____ Map No. ____ Indexed [illegible] Date ____

F.B. 1885 PG. 213

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.

298+65S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
21	Y		19.2 18.5	18.7	5.0	13.7	330
22	B&W	9:01	20.2 19.6	19.8	5.0	14.8	369 range angle slightly off
23	R		18.4 17.8	18.0	5.0	13.0	311 che
24	Y		18.4 17.5	17.8	4.9	12.9	299
25	B&W	9:03	17.5 17.0	17.2	4.9	12.3	277
26	R		16.5 16.0	16.2	4.9	11.3	270
27	Y		14.7 14.3	14.4	4.9	9.5	249
28	B&W	9:05	14.2 13.6	13.8	4.9	8.9	241
29	R		13.2 12.8	12.9	4.9	8.0	220
30	Y		13.0 12.5	12.7	4.9	7.8	210
31	B&W	9:08	12.3 11.7	11.9	4.9	7.0	193
32	R		12.3 11.7	11.9	4.9	7.0	187
33	Y		11.1 10.6	10.8	4.9	5.9	165
34	B&W	9:09	10.1 ?		4.8		154
35	R		10.0 9.3	9.5	4.8	4.7	147
36	Y		8.8 8.0	8.3	4.8	3.5	130
37	B&W	9:11	7.8 7.0	7.3	4.8	2.5	120
38	R		7.0 5.8	6.2	4.8	1.4	101
39	Y		6.2 5.5	5.7	4.8	0.9	91
40	B&W	9:14	5.8 5.0	5.3	4.8	0.5	87

Boat 298+65 S

B. 1885 Pg. 214 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Study Date Date No. X-Sec.
Survey by F.H.B. Notes CEM 9/21/53 Notes Chkd. Checked
Indexed R. C. Johnson 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.			298+65 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R	9:15	5.3 4.6	4.8	4.8	0.0	76	

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 PG. 215

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

Boot 298+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.

296+65 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	9:35	51.5 50.0	50.5	4.4	46.1	700	
2	R		44.1 43.0	43.4	4.4	39.0	650	
3	Y		35.6 35.0	35.2	4.4	30.8	640	
4	B&W	9:40	32.4 31.6	31.9	4.3	27.6	589	
5	R		31.4 30.8	31.0	4.3	26.7	597	
6	Y		29.2 28.8	28.9	4.3	24.6	571	
7	B&W	9:42	27.8 27.5	27.6	4.3	23.3	548	
8	R		26.4 25.8	26.0	4.3	21.7	521	
9	Y		25.5 24.9	25.1	4.3	20.8	505	
10	B&W	9:43	24.9 24.2	24.4	4.3	20.1	492	
11	R		23.5 23.0	23.2	4.3	18.9	468	
12	Y		22.4 21.8	22.0	4.3	17.7	448	
13	B&W	9:44	21.7 21.0	21.2	4.3	16.9	427	
14	R		21.4 20.7	20.9	4.3	16.6	410	
15	Y		21.3 20.6	20.8	4.3	16.5	415	
16	B&W	9:46	21.0 20.6	20.7	4.2	16.5	388	
17	R		20.3 19.7	19.9	4.2	15.7	366	
18	Y		19.4 18.8	19.0	4.2	14.8	340	
19	B&W	9:47	17.3 16.7	16.9	4.2	12.7	317	
20	R		18.2 17.5	17.7	4.2	13.5	322	

Boat 296+65 S

F. B. 1885 Pg. 216 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes CEM 9/21/53 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.	RANGE	296+65
Inst. Sight At On		# Color	Time	Hor. Ang.	Remarks	
296+65 S-17	21	Y		86° 37		
	22	B&W	9:50	86° 37		
	23	R		86° 37		
	24	Y		86° 37		
	25	B&W	9:51	86° 37		
	26	R		86° 37		
	27	Y		86° 37		
	28	B&W	9:53	86° 37		
	29	R		86° 37		
	30	Y		86° 37		
	31	B&W	9:55	86° 37		
	32	R		86° 37		
	33	Y				

CITY OF L.A. F.B. 23934-45

Range 296+65 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 217

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.	RANGE	292 + 65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
292+65	S-16	1	B&W	10:12	76° 01		
		2	R		76° 01		
		3	Y		76° 01		
		4	B&W	10:13	76° 01		
		5	R		76° 01		
		6	Y		76° 01		
		7	B&W	10:14	76° 01		
		8	R		76° 01		
		9	Y		76° 01		
		10	B&W	10:15	76° 01		
		11	R		76° 01		
		12	Y		76° 01		
		13	B&W	10:16	76° 01		
		14	R		76° 01		
		15	Y		76° 01		
		16	B&W	10:17	76° 01		
		17	R		76° 01		
		18	Y		76° 01		
		19	B&W	10:18	76° 01		
		20	R		76° 01		

Range 292+65 S

F. B. 1885 PG. 218
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDIES Date Date No.
Survey by FHB Notes TM Notes Chkd. Checked X-Sec.
Indexed C. Johnson 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	292 + 65

Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
292+65	S-16	21	Y		76° 01	
		22	B&W	10:20	76° 01	
		23	R		76° 01	
		24	Y		76° 01	
		25	B&W	10:21	76° 01	
		26	R		76° 01	
		27	Y		76° 01	
		28	B&W	10:24	76° 01	

RANGE 292+65

Profile Notes Red. ____ Plotted ____ Job No. 8417 Division No. ____

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

F. B. 1885 Pg. 219

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

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red. Date Notes Chkd Date

Division No. Job No. Notes Date

Survey of
Survey by
Indexed

F. B. 1885 Pg. 220

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 296+6
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-15	S 16	21	Y		16° 27		
5° off	5° off	22	B&W	9 49	15° 43		
		23	R		15° 02		
		24	Y		13° 37		
		25	B&W	9 51	12° 27		
		26	R		11° 40		
		27	Y		11° 21		
		28	B&W	9 52	9° 07		
		29	R		10° 02		
		30	Y		6° 53		
		31	B&W	9 54	4° 42		
		32	R		3° 05		
		33	Y		1° 49		

Profile Notes Red ____ Plotted ____ Job No. 8417 Division No. ____

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

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

Cut in 296+65 S

F.B. 1885 Pg. 221

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 292+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
284+65	S 15	1	B+W	10 11	44° 36		
		2	R		44° 04		
		3	Y		43° 10		
		4	B+W	10 12	42° 15		
		5	R		42° 04		
		6	Y		40° 59		
		7	B+W	10 13	39° 40		
		8	R		38° 44		
		9	Y		37° 35		
		10	B+W	10 14	37° 01		
		11	R		36° 09		
		12	Y		34° 27		
		13	B+W	10 15	33° 15		
		14	R		32° 14		
		15	Y		30° 58		
		16	B+W	10 16	29° 20		
		17	R		27° 57		
		18	Y		25° 59		
		19	B+W	10 17	24° 34		
		20	R		23° 03		

Cut In 292+65 S

F.B. 1885 PG. 222 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Studies Date Date X-Sec.
Survey by FHB Notes JS Notes Chkd. Checked No.
Indexed E. C. Johnson Date Sept 21/53 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.

CUT IN 292+65

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	# Color	Time	Hor. Ang.		Remarks
284+65	S 15 21	Y		20° 52		
	22	B&W	10 19	18° 50		
	23	R		17° 31		
	24	Y		15° 42		
	25	B&W	10 20	14° 17		
	26	R		12° 53		
	27	Y		13° 38		
	28	B&W	10 24	10° 05		

Cut In 292+65

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 223

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

F. B. 1885 Pg. 224 | Job No. 8412 | Division No. | Notes Red. | Plotted | Profile

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

Survey by | Notes 13 | Notes Chkd. | Checked | X-Sec.

Indexed | Date Sept 21/53 | 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.		Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.		

292165

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.

296+65 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		16.8 16.0	16.3	4.2	12.1	294	
22	B&W	9:49	16.0 15.3	15.5	4.2	11.3	283	
23	R		15.3 14.6	14.8	4.2	10.6	271	
24	Y		14.7 13.6	14.0	4.2	9.8	249	
25	B&W	9:51	13.7 12.7	13.0	4.2	8.8	229	
26	R		12.9 12.3	12.5	4.1	8.4	219	
27	Y		12.7 12.3	12.4	4.1	8.3	213	
28	B&W	9:53	11.2 10.5	10.7	4.1	6.6	181	
29	R		12.1 11.1	11.4	4.1	7.3	194	
30	Y		9.8 9.0	9.3	4.1	5.2	148	
31	B&W	9:55	8.2 7.7	7.9	4.1	3.8	116	
32	R		7.2 6.4	6.7	4.1	2.6	94	
33	Y		6.0 5.4	5.6	4.1	1.5	77	
34	B&W							
35	R							
36	Y							
37	B&W							
38	R							
39	Y							
40	B&W							

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date 1-19-54 Date Map No. Entered Date
F. B. 1885 Pg. 225

Boot 296+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.

292+65 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	10:12	53.8 53.4	53.5	3.8	49.7	779	
2	R		51.0 50.0	50.3	3.8	46.5	761	
3	Y		46.9 45.8	46.2	3.8	42.4	732	
4	B&W	10:13	42.7 42.0	42.2	3.8	38.4	705	
5	R		38.3 37.7	37.9	3.8	34.1	701	
6	Y		35.1 34.5	34.7	3.8	30.9	670	
7	B&W	10:14	31.2 29.6	30.1	3.8	26.3	637	
8	R		29.0 28.6	28.7	3.8	24.9	612	
9	Y		27.0 26.6	26.7	3.7	23.0	581	
10	B&W	10:15	26.0 25.4	25.6	3.7	21.9	569	
11	R		25.3 24.8	25.0	3.7	21.3	549	
12	Y		23.8 23.2	23.4	3.7	19.7	510	
13	B&W	10:16	23.0 22.4	22.6	3.7	18.9	482	
14	R		22.3 21.9	22.0	3.7	18.3	460	
15	Y		21.4 20.7	20.9	3.7	17.2	435	
16	B&W	10:17	20.2 19.4	19.7	3.7	16.0	401	
17	R		19.7 19.0	19.2	3.7	15.5	377	
18	Y		18.4 17.8	18.0	3.7	14.3	339	
19	B&W	10:18	17.7 17.2	17.4	3.7	13.7	313	
20	R		17.1 15.8	16.2 ~~16.3~~	3.7	12.5 ~~12.6~~	284	

Boat 292+65 S

F. B. 1885 Pg. 226 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes CEM 9/21/53 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date 1-19-54 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 292+65 S

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		14.9				
			14.1	14.4	3.7	10.7	249
22	BEW	10:19	13.8				
			13.4	13.5	3.7	9.8	214
23	R		13.0				
			12.3	12.5	3.6	8.9	194
24	Y		12.1				
			11.0	11.4	3.6	7.8	167
25	BEW	10:20	10.8				
			10.3	10.5	3.6	6.9	146
26	R		8.9				
			8.5	8.6	3.6	5.0	122
27	Y		9.8				
			9.2	9.3	3.6	5.7	135
28	BEW	10:23	5.5	5.7	3.6	2.1	81
29	R						
30	Y						
31	BEW						
32	R						
33	Y						
34	BEW						
35	R						
36	Y						
37	BEW						
38	R						
39	Y						
40	BEW						

Profile No. [redacted] Date [redacted]
Notes Red. [redacted] Date [redacted]
No. [redacted] Date 1-19-54 Date [redacted]
Plotted [redacted] Job No. 8412 Division No. [redacted]
Survey of [redacted]
Map No. [redacted] Date [redacted]
Field [redacted]

Post 292+65 S

F. B. 1885 Pg. 222

F. B. 1885 Pg. 228 | Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes CEM 91 153 Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks

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

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 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	288+65
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
288+65 S-15	1	B&W	7:23	86°00		
	2	R		86°00		
	3	Y		86°00		
	4	B&W	7:25	86°00		
	5	R		86°00		
	6	Y		86°00		
	7	B&W	7:28	86°00		
	8	R		86°00		
	9	Y		86°00		
	10	B&W	7:31	86°00		
	11	R		86°00		
	12	Y		86°00		
	13	B&W	7:34	86°00		
	14	R		86°00		
	15	Y		86°00		
	16	B&W	7:36	86°00		
	17	R		86°00		
	18	Y		86°00		
	19	B&W	7:38	86°00	CITY OF L.A. F.B. 23934-47	
	20	R		86°00		

Range 288+65 S

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 1885 Pg. 229

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

No. ____ Date ____ Map No. ____ Date ____

F.B. 1885 Pg. 230 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

Range 288+65 S

STATION	B.S.	H.I.	F.S.	ELEV.	Hor. Ang.	Remarks
Inst. Sight At OR	#	Color	Time			RANGE
	21	X				
	22	RW	7:41			
	23	X				
	24	X				
	25	BW	7:42			
	26	X				
	27	RW	7:42			
	28	X				
	29	X				
	30	X				
	31	X				
	32	X				
	33	X				
	34	RW	7:42			
	35	X				
	36	X				
	37	RW	7:41			

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 10-51

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 288+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S 14	S 15	1	B+W	7 23	61° 11		
		2	R		60° 35		
		3	Y		59° 05		
		4	B+W	7 25	57° 55		
		5	R		56° 29		
		6	Y		55° 13		
		7	B+W	7 28	53° 42		
		8	R		52° 19		
		9	Y		51° 04		
		10	B+W	7 30	48° 50		
		11	R		46° 23		
		12	Y		44° 14		
		13	B+W	7 34	43° 31		
		14	R		41° 31		
		15	Y		40° 11		
		16	B+W	7 36	38° 00		
		17	R		36° 02		
		18	Y		33° 52		
		19	B+W	7 38	32° 49		
		20	R		31° 19		

Cut In 288+65 S

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

Notes Chkd. ____ Checked ____ Survey by ____ Notes ____

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

F.B. 1885 Pg. 231

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	COTIN 288+65
S14	S15	21	Y		28° 59		
		22	B+W	7 40	27° 14		
		23	R		24° 58		
		24	Y		22° 59		
		25	B+W	7 43	19° 51		
		26	R		18° 13		
		27	Y		14° 30		
		28	B+W	7 46	[illegible]		
		29	R		20° 2		
		30	Y		17° 9		
		31	B+W	7 49	[illegible]		
		32	R		14° 34		
		33	Y		12° 18		
		34	B+W	7 50	[illegible]		
		35	R		9° 2		
		36	Y		9° [illegible]		
		37	B+W	7 54	[illegible]		
		38	R		4° 59		

Out In 288+65 S

F.B. 1885 PG. 232 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 22/53 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.

Profile No. ____ Date ____ Notes Red. ____ Plotted ____ Date ____ Job No. 8412 Division No. ____ Survey of ____ No. ____ Date 1-19-53 Date ____ Map No. ____ Indexed E. C. Johnson Date ____

F. B. 1885 Pg. 233

288+65S

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	7:23	51.0	50.7	5.6	45.1	1411
	R		50.5	48.7	5.6	43.1	1371
3	Y		49.5	45.2	5.6	39.6	1282
	B&W	7:25	45.5	43.0	5.6	37.4	1218
5	R		45.0	40.6	5.6	35.0	1142
	Y		43.3	38.9	5.7	33.2	1084
7	B&W	7:28	42.8	37.1	5.7	31.4	1018
	R		40.9	35.6	5.7	29.9	961
9	Y		40.4	34.2	5.7	28.5	918
	B&W	7:31	39.2	32.4	5.7	26.7	842
11	R		38.7	30.7	5.7	25.0	768
	Y		37.5	29.0	5.7	23.3	707
13	B&W	7:34	36.9	28.5	5.7	22.8	686
	R		36.0	27.9	5.7	22.2	637
15	Y		35.4	26.9	5.8	21.1	608
	B&W	7:36	34.6	26.0	5.8	20.2	560
17	R		34.0	25.3	5.8	19.5	518
	Y		32.8	24.2	5.8	18.4	477
19	B&W	7:39	32.2	23.5	5.8	17.7	458
	R		31.0	23.0	5.8	17.2	429

Bout 288+65S

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.

288+65S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
21	Y		23.5 21.6	22.4	5.8	16.6	389
22	B&W	7:41	21.8 21.2	21.4	5.8	15.6	360
23	R		20.7 20.0	20.2	5.8	14.4	327
24	Y		20.2 19.4	19.7	5.8	13.9	294
25	B&W	7:43	19.2 18.2	18.5	5.8	12.7	251
26	R		18.9 18.1	18.4	5.8	12.6	229
27	Y		16.9 16.9	16.2	5.8	10.4	178
28	B&W	7:46	19.4 18.6	18.9	5.8	13.1	268
29	R		18.9 18.0	18.3	5.8	12.5	253
30	Y		18.2 17.5	17.7	5.8	11.9	217
31	B&W	7:49	17.8 17.0	17.3	5.9	11.4	196
32	R		17.3 16.3	16.6	5.9	10.7	178
33	Y		15.3 14.6	14.8	5.9	8.9	158
34	B&W	7:51	14.3 13.7	14.0	5.9	8.1	133
35	R		13.0 12.0	12.3	5.9	6.4	116
36	Y		12.8 11.9	12.2	5.9	6.3	114
37	B&W	7:54	10.9 10.0	10.3	5.9	4.4	81 sound on sand next to rocks of sea wall.
38	R		8.0 7.2	7.5	5.9	1.6	61 Sound on rocks of sea wall

Boat 288+65S

Profile No. ____ Plotted ____ Date ____ Notes Red ____ Date ____ Notes Chkd. ____ Date 1-19-53 Checked ____ Date ____ X-Sec. No. ____

Job No. 8412 Division No. ____ Notes CEM 9/22/53 Date ____

Survey of ____ Survey by C. Johnson Indexed ____

F.B. 1885 Pg. 234

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 284+65-S	
Inst. At	Sight On	#	# Color	Time	Hor. Ang.	Remarks
2[illegible]	S-15	1	B & W	8:15	86°00	
		2	R		86°00	
		3	Y		86°00	
		4	B & W	8:18	86°00	
		5	R		86°00	
		6	Y		86°00	
		7	B & W	8:22	86°00	
		8	R		86°00	
		9	Y		86°00	
		10	B & W	8:25	86°00	
		11	R		86°00	
		12	Y		86°00	
		13	B & W	8:27	86°00	
		14	R		86°00	
		15	Y		86°00	
		16	B & W	8:29	86°00	
		17	R		86°00	
		18	Y		86°00	
		19	B & W	8:31	86°00	CITY OF L.A. F.B. 2393 4-48
		20	R		86°00	

Range 284+65 S

Profile Notes Red. Plotted Job No. 9110 Division No.

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

No. Date Date Map No. Indexed Date

F. B. 1885 Pg. 235

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	284+65-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
284+65	S-15	21	Y		[illegible]		
		22	B+W	8:33	[illegible]		
		23	R		[illegible]		
		24	Y		[illegible]		
		25	B+W	8:38	[illegible]		
		26	R		86 00		
		27	Y		86 00		
		28	B+W	8:40	[illegible]		
		29	R		[illegible]		
		30	Y		86 00		

Range 284+65 S

F. B. 1885 Pg. 236 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 R. 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.		CUT IN 284+65
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
290+65 S15	1	B+W	8 15	89° 16		
	2	R		88° 24		
	3	Y		87° 21		
	4	B+W	8 17	85° 40		
	5	R		84° 18		
	6	Y		83° 19		
	7	B+W	8 22	81° 58		
	8	R		79° 24		
	9	Y		75° 11		
	10	B+W	8 26	70° 54		
	11	R		65° 59		
	12	Y		63° 15		
	13	B+W	8 27	60° 52		
	14	R		58° 41		
	15	Y		54° 41		
	16	B+W	8 29	49° 12		
	17	R		41° 48		
	18	Y		38° 36		
	19	B+W	8 30	36° 50		
	20	R		32° 59		

Cut in 284+65 S

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

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

Date ____ Date ____ Map No. ____ Date ____

F.B. 1885 PG. 237

F.B. 1885 PG 238 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile No. ____

Survey of B. E. S. Date ____ Date ____

Survey by EHB Notes JS Notes Chkd. ____ Checked ____ X-Sec. No. ____

Indexed A. C. Johnson Date Sept 22/53 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.

Cut In 284+65 S

STATION		B. S.	H. I.	F. S.	ELEV.		Cut in 284+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
294+65	S 15	21	Y		3[illegible] [illegible]6		
		22	B+W	8 32	2[illegible] [illegible]0		
		23	R		2[illegible] 46		
		24	Y		2[illegible] 17		
		25	B+W	8 35	[illegible] [illegible]1		
		[illegible]	R		[illegible]		
		27	Y		[illegible]		
		28	B+W	8 39	[illegible]		
		29	R		16 [illegible]7		
		30	Y		1[illegible] [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.			284+65 S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1 B&W	8:14	53.9 53.3	53.5	5.9	47.6	2323	
2 R		52.6 51.8	52.1	5.9	46.2	2205	
3 Y		50.6 50.0	50.2	5.9	44.3	2060	
4 B&W	8:17	48.8 48.3	48.5	5.9	42.6	1876	
5 R		45.9 45.3	45.5	5.9	39.6	1732	
6 Y		44.7 44.1	44.3	5.9	38.4	1642	
7 B&W	8:22	42.5 41.9	42.1	5.9	36.2	1535	
8 R		39.7 39.1	39.3	5.9	33.4	1366	
9 Y		35.3 34.8	35.0	5.9	29.1	1146	
10 B&W	8:25	32.3 31.7	31.9	5.9	26.0	974	
11 R		29.5 28.9	29.1	5.9	23.2	825	
12 Y		28.3 27.7	27.9	5.9	22.0	751	
13 B&W	8:27	27.5 26.9	27.1	5.8	21.3	697	
14 R		27.4 26.6	26.9	5.8	21.1	650	
15 Y		25.8 25.2	25.4	5.8	19.6	573	
16 B&W	8:29	25.0 24.3	24.5	5.8	18.7	481	
17 R		23.4 22.9	23.1	5.8	17.3	376	
18 Y		22.5 21.6	21.9	5.8	16.1	336	
19 B&W	8:31	22.5 21.5	21.8	5.8	16.0	312	
20 R		21.0 20.1	20.4	5.8	14.6	268	

Boat 284+65 S

Profile Notes Red. Plotted Job No. 5417 Division No. F. B. 1185 Pg. 239

Notes Checked Date Survey by Date

No. Date Checked 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		S. S.	H. I.	F. S.	ELEV.			284+65S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		20.5 19.6	19.9	5.8	14.1	239	
22	B&W	8:33	19.5 18.3	18.7	5.8	12.9	212	
23	R		19.2 18.0	18.4	5.8	12.6	187	
24	Y		18.5 17.8	18.0	5.8	12.2	181	
25	B&W	8:38	17.5 16.5	16.8	5.8	11.0	153	
26	R		16.1 15.0	15.4	5.8	9.6	132	
27	Y		14.8 13.7	14.1	5.8	8.3	110	
28	B&W	8:40	13.7 12.8	13.1	5.8	7.3	.98	
29	R		12.5 11.3	11.7	5.8	5.9	82	sounding sand on edge of rocks
30	Y		9.5 8.5	8.8	5.8	3.0	66	

Boat 284+65S

F. S. 1885 Pg. 240 Job No. 8412 Division No. Notes Red Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes CEM 9/22/53 Notes Chkd. KK Checked
Indexed A. C. Johnson Date Date 1-19-54 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	280+65-S
Inst. Sight At On	#	# Color	Time	Hor. Ang.	Remarks	
280+65 S-14	1	B & W	9:15	95°06		
	2	R		95°06		
	3	Y		95°06		
	4	B & W	9:18	95°06		
	5	R		95°06		
	6	Y		95°06		
	7	B & W	9:21	95°06		
	8	R		95°06		
	9	Y		95°06		
	10	B & W	9:23	95°06		
	11	R		95°06		
	12	Y		95°06		
	13	B & W	9:25	95°06		
	14	R		95°06		
	15	Y		95°06		
	16	B & W	9:26	95°06		
	17	R		95°06		
	18	Y		95°06		
	19	B & W	9:28	95°06	CITY OF L.A.F.B. 23934-49	
	20	R		95°06		

Range 280+65 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 241

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.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	280+65-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
280+65	S-14	21	Y		9[illegible]06		
		22	B & W	9:29	95°06		
		23	R		95°06		
		24	Y		95°06		
		25	B & W	9:30	95°06		
		26	R		95°06		
		27	Y		95°06		
		28	B & W	9:31	95°06		
		29	R		95°06		
		30	Y		95°06		
		31	B & W	9:33	95°06		
		32	R		95°06		

Range 280+65 S

F. B. 1885 PG. 242 Job No. 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 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.

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 1885 PG. 243

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

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

Cut in 280+65 S

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S 15	S 14	1	B+W	9 15	75° 28		
		2	R		74° 22		
		3	Y		71° 42		
		4	B+W	9 18	69° 06		
		5	R		66° 21		
		6	Y		64° 08		
		7	B+W	9 21	61° 00		
		8	R		57° 20		
		9	Y		54° 58		
		10	B+W	9 23	51° 09		
		11	R		48° 30		
		12	Y		45° 41		
		13	B+W	9 25	43° 35		
		14	R		41° 36		
		15	Y		39° 52		
		16	B+W	9 26	38° 40		
		17	R		37° 00		
		18	Y		35° 14		
		19	B+W	9 28	33° 34		
		20	R		31° 45		

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 280+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S15	S14	21	Y		28° 55		
		22	B&W	9 29	26° 21		
		23	R		2[illegible] 52		
		24	Y		19° 32		
		25	B&W	9 30	17° 50		
		26	R		15° 41		
		27	Y		13° 50		
		28	B&W	9 31	11° 34		
		29	R		9° 56		
		30	Y		8° 20		
		31	B&W	9 33	6° 38		
		32	R		5° [illegible]		

Cut In 280+65 S

F.B. 1885 PG. 344 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Bazel Erosion Studies Date Date X-Sec.
Survey by FHB Notes JS Notes Chkd. Checked No.
Indexed A. C. Johnson Date Sept 22/53 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.

280+65 S

STATION		B. S.	H. I.	F. S.	ELEV.		
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	9:16	52.5 52.0	52.2	5.4	46.8	2640
2	R		50.6 50.1	50.3	5.4	44.9	2483
3	Y		46.3 45.8	46.0	5.4	40.6	2166
4	B&W	9:18	43.1 42.6	42.8	5.4	37.4	1919
5	R		39.3 38.8	39.0	5.4	33.6	1703
6	Y		37.4 36.9	37.1	5.3	31.8	1557
7	B&W	9:21	35.6 35.0	35.2	5.3	29.9	1380
8	R		32.8 32.2	32.4	5.3	27.1	1210
9	Y		31.9 30.9	31.2	5.3	25.9	1114
10	B&W	9:23	30.0 29.2	29.5	5.3	24.2	981
11	R		28.7 28.0	28.2	5.3	22.9	905
12	Y		27.2 26.5	26.7	5.3	21.4	823
13	B&W	9:25	27.0 26.2	26.5	5.3	21.2	764
14	R		26.3 25.8	26.0	5.3	20.7	711
15	Y		25.9 25.1	25.4	5.3	20.1	671
16	B&W	9:27	25.2 24.4	24.7	5.2	19.5	645
17	R		25.3 24.5	24.8	5.2	19.6	610
18	Y		24.7 23.9	24.2	5.2	19.0	573
19	B&W	9:28	23.9 23.1	23.4	5.2	18.2	540
20	R		23.9 23.1	23.4	5.2	18.2	503

Boat 280+65 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 245

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.

280+65S

STATION #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
21	Y		23.5 22.7	23.0	5.2	17.8	448
22	B&W	9:29	22.2 21.5	21.7	5.2	16.5	395
23	R		21.5 20.7	21.0	5.2	15.8	343
24	Y		20.8 20.0	20.3	5.2	15.1	284
25	B&W	9:30	19.9 19.1	19.4	5.2	14.2	255
26	R		19.3 18.3	18.6	5.2	13.4	220
27	Y		17.2 16.4	16.7	5.2	11.5	192
28	B&W	9:32	16.2 15.1	15.5	5.1	10.4	157
29	R		14.0 13.1	13.4	5.1	8.3	132
30	Y		12.5 11.7	12.0	5.1	6.9	108
31	B&W	9:33	9.8 9.0	9.3	5.1	4.2	80
32	R		8.2 7.2	7.5	5.1	2.4	66

Boat 280+65S

Profile
Plotted
Date
No.
X-Sec.
Checked
Date
No.
Notes Red
Date
Notes Chkd.
Date 1-19-53
Job No. 8412 Division No.
Survey of
Survey by
Indexed C. Johnson
Date
Notes CEM 9/22/53
Pg. 246
F.S. 1885

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	276+65 - S
Inst. At	Sight On	#	# Color	Time	Hor. Ang.	Remarks
276+65	S-14	1	B & W	9:58	95°12	
		2	R		95°06	
		3	Y		95°06	
		4	B & W	10:02	95°06	
		5	R		95°20	
		6	Y		95°06	
		7	B & W	10:08	95°06	
		8	R		95°16	
		9	Y		95°06	
		10	B & W	10:13	95°06	
		11	R		95°06	
		12	Y		95°06	
		13	B & W	10:15	95°06	
		14	R		95°06	
		15	Y		95°06	
		16	B & W	10:18	95°06	
		17	R		95°06	
		18	Y		95°06	
		19	B & W	10:20	95°06	
		20	R		95°06	

Range 276+65 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1885 Pg. 242

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ Date ____ Map No. ____ Indexed 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.	RANGE	276+65-S
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
276+65	S-14	21	Y		95°06		
		22	B & W	10:22	95°06		
		23	R		95°06		
		24	Y		95°06		
		25	B & W	10:24	95°06		
		26	R		95°06		
		27	Y		95°06		
		28	B & W	10:25	95°06		
		29	R		95°06		
		30	Y		95°06		
		31	B & W	10:26	95°06		
		32	R		95°06		
		33	Y		95°06		
		34	B & W	10:27	95°06		

Range 276+65 S

F. B. 1885 PG. 248 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 MAKING CHANGE.

Do not extend notes this side of this line.

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 1885 Pg 249

No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by ____ Date ____ Map No. ____ Indexed H. S. Johnson Date ____

Cut in 276+65 S

STATION		B. S.	H. I.	F. S.	ELEV.		Cut in 276+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
284+65	S14	1	B/W	9 58	74° 49		
		2	R		75° 27		
		3	Y		76° 41		
		4	B/W	10 02	79° 05		
		5	R		77° 17		
		6	Y		72° 43		
		7	B/W	10 08	69° 43		
		8	R		68° 33		
		9	Y		65° 35		
		10	B/W	10 13	63° 16		
		11	R		60° 16		
		12	Y		57° 37		
		13	B/W	10 15	55° 36		
		14	R		53° 17		
		15	Y		51° 05		
		16	B/W	10 18	48° 10		
		17	R		46° 02		
		18	Y		43° 26		
		19	B/W	10 20	41° 02		
		20	R		38° 15		

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.		COLUM 276+65
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
286+65	S14	21	Y		31° 4		
		22	B&W	10 23	31° 11		
		23	R		28° 34		
		24	Y		23° 38		
		25	B&W	10 24	2[illegible] 7		
		26	R		2[illegible] 6		
		27	Y		19° 00		
		28	B&W	10 25	17° 31		
		29	R		16° 2		
		30	Y		15° 5		
		31	B&W	10 26	13° 39		
		32	R		13° 04		
		33	Y		11° 56		
		34	B&W	10 27	10° 5		

Out In 276+65 S

F.B. 1885 PG. 250

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

Survey of Beach Erosion Studies Date Date X-Sec.

Survey by EHB Notes JS Notes Chkd. Checked No.

Indexed C. Johnson Date Sept 22/53 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.

276+65 S

STATION		B. S.	H. I.	F. S.	ELEV.			
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	BEW	9:58	45.0 44.5	44.7	4.6	40.1	2277	
2	R		45.0 44.5	44.7	4.6	40.1	2350	
3	Y		48.2 47.6	47.8	4.6	43.2	2526	
4	BEW	10:03	53.4 53.0	53.1	4.5	48.6	2957	
5	R		50.0 49.5	49.7	4.5	45.2	2660	
6	Y		41.5 40.2	40.6	4.5	36.1	2013	
7	BEW	10:09	37.4 36.6	36.9	4.4	32.5	1740	
8	R		35.5 34.7	35.0	4.4	30.6	1647	
9	Y		33.5 33.0	33.2	4.3	28.9	1443	
10	BEW	10:13	32.6 31.5	31.9	4.3	27.6	1314	
11	R	14	30.0 29.5	29.7	4.3	25.4	1167	
12	Y	15	28.5 27.7	28.0	4.3	23.7	1055	
13	BEW	10:16	28.0 27.3	27.5	4.2	23.3	981	
14	R		26.8 26.0	26.3	4.2	22.1	900	
15	Y		26.0 25.4	25.6	4.2	21.4	830	
16	BEW	10:18	24.8 24.2	24.4	4.2	20.2	750	
17	R	19	25.0 23.2	23.8	4.2	19.6	690	
18	Y	20	23.2 22.0	22.4	4.1	18.3	630	
19	BEW	10:21	22.4 21.8	22.0	4.1	17.9	576	
20	R		22.1 21.6	21.8	4.1	17.7	517	

Boat 276+65 S

Profile Notes Red. Plotted Job No. 8412 Division No.
No. Date Date Survey of
No. Date 1-19-51 Date Map No. Index Johnson Date
F. B. 1885 Pg. 251

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.		276+65 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		21.2 20.6	20.8	4.1	16.7	451
22	B&W	10:23	20.4 19.6	19.9	4.0	15.9	392
23	R		20.0 18.5	19.0 ~~18.7~~	4.0	15.0 ~~14.7~~	339
24	Y		18.8 18.2	18.4	4.0	14.4	296
25	B&W	10:24	17.6 16.8	17.1	4.0	13.1	263
26	R		16.2 15.6	15.8	4.0	11.8	203
27	Y		15.6 14.8	15.1	4.0	11.1	188
28	B&W	10:26	14.4 13.8	14.0	4.0	10.0	165
29	R		12.8 12.2	12.4	4.0	8.4	144
30	Y		12.1 11.6	11.8	4.0	7.8	129
31	B&W	10:27	10.2 9.6	9.8	4.0	5.8	109
32	R		10.6 9.8?	10.1	4.0	6.1	100 Questionable
33	Y		9.0 8.4	8.6	3.9	4.7	84
34	B&W	10:28	7.2 6.5	6.7	3.9	2.8	70

Boat 276+65 S

F. B. 1885 Pg. 252 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes CEM 9/22/53 Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date No.

Quirino

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	272+65-S
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
272+65	S-14 1	B & W	10:54	95°06		
	2	R		95°06		
	3	Y		95°06		
	4	B & W	10:59	95°06		
	5	R		95°06		
	6	Y		95°06		
	7	B & W	11:03	95°06		
	8	R		94°50		
	9	Y		95°06		
	10	B & W	11:06	95°06		
	11	R		95°06		
	12	Y		95°06		
	13	B & W	11:10	95°06		
	14	R		95°06		
	15	Y		95°06		
	16	B & W	11:13	95°06		
	17	R		95°06		
	18	Y		95°06		
	19	B & W	11:16	95°06		
	20	R		95°06		

Range 272+65 S

Profile Notes Red. Plotted 8412 Job No. Division No. F. B. 1885 Pg. 253

No. Date Date Survey of

No. Date Date Map No. Indexed 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. 1881 Pg. 257 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 L. C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 272+65-S.
Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks
272+65 S-14	21	Y		95[illegible]6	
	22	B & W	11:19	9[illegible]6	
	23	R		95[illegible]6	
	24	Y		95[illegible]6	
	25	B & W	11:21	95[illegible]6	
	26	R		95[illegible]6	
	27	Y		95[illegible]6	
	28	B & W	11:22	95[illegible]6	
	29	R		95[illegible]6	
	30	Y		95[illegible]6	

Range 272+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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	272+6
280+65	S-13	1	B+W	10 55	69° 49		
		2	R		71° 11		
		3	Y		68° 36		
		4	B+W	10 59	65° 21		
		5	R		63° 02		
		6	Y		61° 28		
		7	B+W	11 03	60° 04		
		8	R		58° 15	1502	
		9	Y		55° 28	1340	
		10	B+W	11 07	53° 49		
		11	R		51° 16		
		12	Y		49° 28	1048	
		13	B+W	11 10	47° 01	955	
		14	R		44° 30	866	
		15	Y		41° 09	764	
		16	B+W	11 13	42° 35	804	
		17	R		36° 32	647	
		18	Y		32° 44	550	
		19	B+W	11 16	29° 12	472	
		20	R		26° 01	410	

Cut In 272+65 S

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

No. ____ Date ____ Date ____ Survey of ____

No. ____ Date ____ Date ____ Map No. ____ Indexed: J. Johnson Date ____

F.B. 1885 Pg. 253

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	
280+65	S-13	21	Y		21° 28	328	
		22	B+W	11 20	16° 44	249	
		23	R		13° 00	191	
		24	Y		12° 6	177	
		25	B+W	11 21	10° 37	160	
		26	R		10° 0	148	
		27	Y		9° 01	130	
		28	B+W	11 22	8° 2	115	
		29	R		7° 04	101	
		30	Y		5° 34	83	

Out In 272+65 S

Profile
X-Sec.
No.
Plotted
Date
Checked
Date
No.
Notes Red.
Date
Notes Chkd.
Date
Division No.
Job No. 8417
Survey of Beach Erosion Studies
Survey by EHB
Notes
Indexed C. Johnson
Date Sept 02/53
F.B. 1885 PG 254

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 #	Color	B. S. Time	H. I. Meas. Depth	F. S. Bottom	ELEV. Tide	Adj. Depth	Remarks
1	BEW	10:55	50.3 / 49.4	49.7	3.3	46.4	2890
2	R		55.0 / 54.0	54.3	3.3	51.0	3185
3	Y		44.9 / 43.8	44.2	3.3	40.9	2650
4	BEW	11:00	40.7 / 39.9	40.2	3.2	37.0	2174
5	R		36.3 / 35.6	35.8	3.2	32.6	1912
6	Y		34.8 / 34.3	34.5	3.2	31.3	1764
7	BEW	11:03	33.4 / 32.6	32.9	3.1	29.8	1651
8	R		32.0 / 30.0	30.7	3.1	27.6	1500
9	Y		29.5 / 28.9	29.1	3.1	26.0	1340
10	BEW	11:07	29.3 / 28.8	29.0	3.0	26.0	1250
11	R		27.3 / 26.6	26.8	3.0	23.8	1125
12	Y		26.9 / 26.5	26.6	3.0	23.6	1048
13	BEW	11:10	26.0 / 24.8	25.2	3.0	22.2	955
14	R	"	24.8 / 24.0	24.3	2.9	21.4	866
15	Y	"	23.0 / 22.1	22.4	2.9	19.5	764
16	BEW	11:13	23.7 / 23.2	23.4	2.9	20.5	834
17	R		21.6 / 21.0	21.2	2.9	18.3	647
18	Y		20.5 / 19.5	19.8	2.8	17.0	550
19	BEW	11:17	19.4 / 18.6	18.9	2.8	16.1	472
20	R		18.6 / 17.8	18.1	2.8	15.3	410

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

F. B. 1815 Pg. 23

Port 272+65 S

1885

STATION			H. I.	F. S.				
#	Color	Ti[illegible]	[illegible]	Bott[illegible]	[illegible]de	Adj. Depth		Remarks
21	Y		6.8	17[illegible]		14.2	[illegible]8	
22	B&W	11[illegible]	15.6 15.0	[illegible]		12.[illegible]	249	
23	R		15.[illegible]	1[illegible]	2.7	11.6	191	
24	Y		12.0 12.6	12.3	2.7	9.6	177	
25	B&W	11:22	11.8	12.1	2.7	9.4	160	
26	R		11.8 11.2	11.4	2.7	8.7	148	
27	Y		10.8 10.4	10.5	2.7	7.8	130	
28	B&W	11:23	9.8 9.2	9.4	2.7	6.7	115	
29	R		8.8 8.5	8.6	2.7	5.9	101	
30	Y		7.0 6.5	6.7	2.6	4.1	83	

Profile

Plotted

Date

Checked

Date

Notes Red.

Date

Notes Chkd.

Date

Job No. 8412 Division No.

Notes CEM 9/22/53

Survey of

Survey by

Indexed

Boat 272+65 S

Pg. 256