Notes Ck'd by	Survey of
Map No.	W. O. Tape No. Std.
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed 11 5 53

F. B. 1887 PG. 5

BEACH EROSION STUDIES

~ BOOK 3 ~

J.N. 8412

OCTOBER

From Station 67+50 S to Station 36+00 N

SOUNDINGS

SEE L.A.C.E. F.B. 23932 - 46 to 56
23935 - 8 to 31

PARTY
Blanchard
Shoemaker
Uharriet
Kvammen
Goodwin
Schonfeldt
Oben
McCrath
McKnight

BOOK 2 = F.B 1886
BOOK 4 = F.B 1888

Microfilmed Feb 87

LOS ANGELES COUNTY SURVEYOR

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

Note: Any Additions or Changes on This Sheet Must 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. 1887 PG. 7

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

TIDE GAGE

STANDARD TIME OCT 5 1953

HOUR	TIDE
5:00	3.8
5:30	4.3
6:00	4.7
6:30	5.1
7:00	5.4
7:30	5.4
8:00	5.4
8:30	5.2
9:00	5.0
9:30	4.6
10:00	4.2
10:30	3.6
11:00	3.2
11:30	2.6
12:00	2.2
12:30	1.8
1:00	1.7

Note: Any Additions or Changes on This Sheet Must 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. 1887 Pg. 8

TIDE GAGE

STANDARD TIME — OCT 6 1953

HOUR	TIDE
5:00	3.5
5:30	4.2
6:00	4.5
6:30	5.0
7:00	5.2
7:30	5.5
8:00	5.6
8:30	5.5
9:00	5.3
9:30	4.9
10:00	4.6
10:30	4.0
11:00	3.5
11:30	2.8
12:00	2.5
12:30	2.0
1:00	1.6
1:30	1.4

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

Do not extend notes this side of this line.

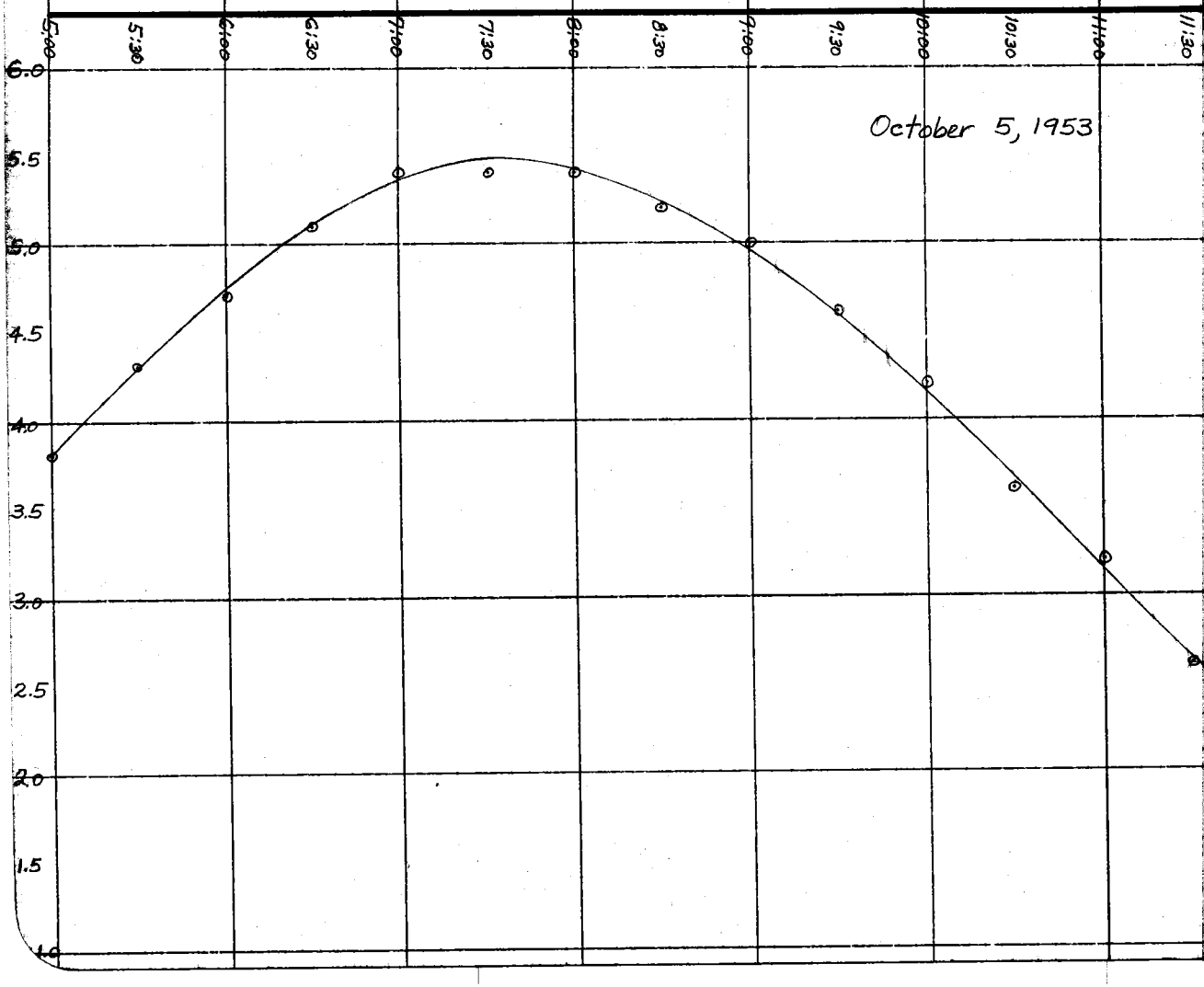
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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.



Map No. ____
Office Work
Checked ____
Date ____

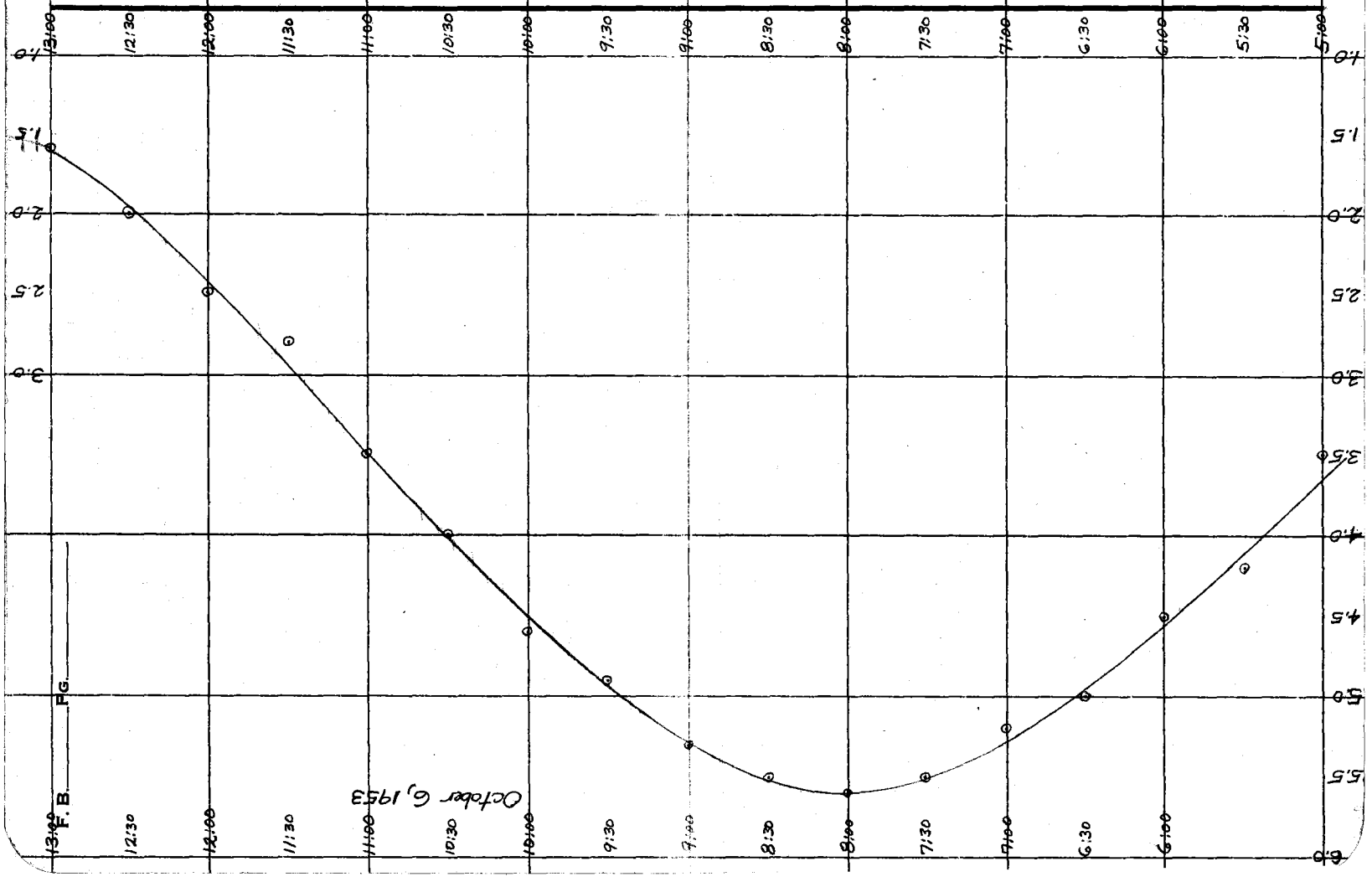
W. O. ____ Tape No. ____ Std. ____
Surveyed by ____
Notes ____ Date ____
Indexed ____

F. B. ____ PG. ____

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

Note: Any Additions or Changes on This Sheet Must 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.

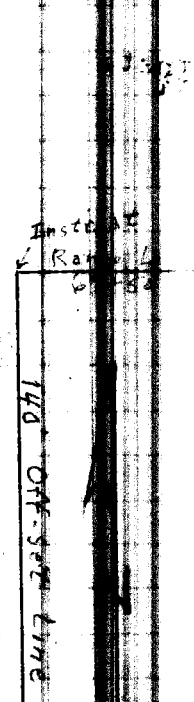
STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	67+50 - S
Inst. Sight At	On	#	# Color	Time Hor. Ang.		Remarks
67+50	S-3A	1	B & W	6:19	90°00	
		2	R		90°00	
		3	Y		90°00	
		4	B & W	6:22	90°00	
		5	R		90°00	
		6	Y		90°00	
		7	B & W	6:27	90°00	
		8	R		90°00	
		9	Y		90°00	
		10	B & W	6:30	90°00	
		11	R		90°00	
		12	Y		90°00	
		13	B & W	6:34	90°10	
		14	R		90°00	
		15	Y		90°00	
		16	B & W	6:40	90°00	
		17	R		89°51	
		18	Y		90°12	
		19	B & W	6:45	90°00	
		20	R		90°00	

Inst. At Range 67+50

140 Off-set Line

RANGE 67+50 S

S-3A



Profile Notes Red. Plotted Job No. Division No.

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

No. Date Date Map No. Indexed Date

F. B. Pg. 9

76L298 307 4-50

2

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

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

Do not extend notes this side of this line.

F. B. 1287 Pg. 10 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile
Survey of BEACH EROSION STUDY | Date | Date | No.
Survey by FHB Notes TM | Notes Chkd. | Checked | X-Sec.
Indexed | Date | Date | No.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	67+50 - 1 S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
67+50	S-3A	21	Y		90 09		
		22	B & W	6:49	[illegible]		
		23	R		[illegible]		
		24	Y		[illegible] 07		
		25	B & W	6:51	[illegible]		
		26	R		[illegible] 10		
		27	Y		[illegible] 22		
		28	B & W	6:59	[illegible] 26		
		29	R		[illegible]		
		30	Y		90 00		
		31	B & W	7:03	[illegible]		
		32	R		[illegible]		
		33	Y		[illegible]		
		34	B & W	7:06	[illegible]		
		35	R		[illegible] 17		
		36	Y		90 00		
		37	B & W	7:09	90 00		
		38	R		89 46		
		39	Y		90 00		
		40	B & W	7:12	[illegible]		

RANGE 67+50

76L298 307 4-50

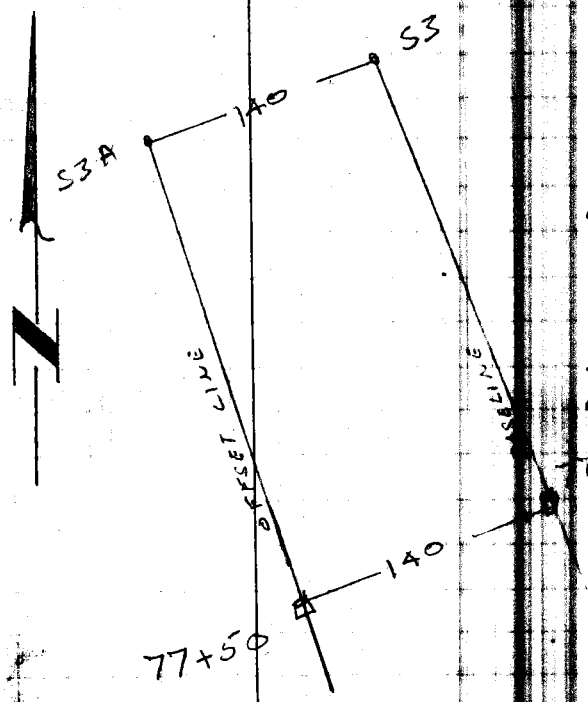
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

CUT IN 67+50

STATION Inst. At	Sight On	B. S.	H. I. #	Color	F. S.	Time	ELEV. Hor. Ang.	Remarks
77+50	S3A	1		B+W	6 19		64°22	Note
		2		R			63°27	Inst on 140 Foot Offset
		3		Y			62°42	
		4		B+W	6 22		61°05	
		5		R			59°41	
		6		Y			58°58	
		7		B+W	6 26		58°06	
		8		R			57°37	
		9		Y			56°26	
		10		B+W	6 30		55°00	
		11		R			54°02	
		12		Y			52°59	
		13		B+W	6 34		52°08	
		14		R			50°07	
		15		Y			48°58	
		16		B+W	6 40		46°06	
		17		R			47°55	
		18		Y			46°40	
		19		B+W	6 44		46°13	
		20		R			44°57	



Profile Notes Red. Plotted Job No. 8412 Division No.
Notes Chkd. Checked Survey By
No. Date Date Map No. Indexed Date
F. B. 1887 Pg. 71

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	
77+50	S3A	21	Y		43° 42		
		22	B+W	6 48	42 3		
		23	R		41 47		
		24	Y		40 3		
		25	B+W	6 51	39 30		
		26	R		37 42		
		27	Y		36 4		
		28	B+W	6 59	36 4		
		29	R		36 5		
		30	Y		35 39		
		31	B+W	7 02	34 32		
		32	R		33 5		
		33	Y		32 7		
		34	B+W	7 06	30 5		
		35	R		30 2		
		36	Y		29 3		
		37	B+W	7 09	28 9		
		38	R		26 3		
		39	Y		25 [illegible]		
		40	B+W	7 12	24 7		

GUTIN 67+50S

GUTIN 67+50

F. B. 886 Pg. 12
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by FHB Notes JS Notes Chkd. Checked
2 Indexed Date Oct 5/53 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.

motor - [illegible]
line - [illegible]S.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		67+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	6:19	33.0 32.4	32.6	5.0	27.6	2170	2310
2	R		32.4 31.8	32.0	5.0	27.0	2082	2222
3	Y		32.2 31.4	31.7	5.0	26.7	2012	2152
4	B&W	6:22	31.0 30.3	30.5	5.0	25.5	1880	2020
5	R		33.0 32.0	32.3	5.0	27.3	1786	1926
6	Y		31.2 30.5	30.7	5.1	25.6	1718	1858
7	B&W	6:26	31.1 30.4	30.6	5.1	25.5	1663	1803
8	R		31.3 30.5	30.8	5.1	25.7	1632	1772
9	Y		31.5 30.7	31.0	5.1	25.9	1558	1698
10	B&W	6:30	30.7 30.0	30.2	5.1	25.1	1479	1619
11	R		31.5 30.5	30.8	5.1	25.7	1423	1563
12	Y		29.4 28.5	28.8	5.1	23.7	1372	1512
13	B&W	6:34	29.8 29.0	29.3	5.2	24.1	1332	1472
14	R		29.4 28.5	28.8	5.2	23.6	1232	1372
15	Y		29.8 28.7	29.1	5.2	23.9	1186	1326
16	B&W	6:40	28.5 27.7	28.0	5.2	22.8	1070	1210
17	R		29.0 28.0	28.3	5.2	23.1	1138	1278
18	Y		27.1 26.0	26.4	5.2	21.2	1097	1237
19	B&W	6:45	27.5 26.4	26.8	5.2	21.6	1075	1215
20	R		26.2 25.2	25.5	5.3	20.2	1029	1169

Boat 67+50S

Profile Notes Red CEM Plotted Job No. 8412 Division No.
No. Date 12/16/53 Date Survey of [illegible]
Notes Chkd. [illegible] Checked Survey by
No. Date 1-8-54 Date Map No. Indexed Date

F. B. 1887 PG. 13

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		67+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		26.4 25.3	25.7	5.3	20.4	987	1127
22	B&W	6:48	26.5 25.5	25.8	5.3	20.5	963	1103
23	R		25.8 24.7	25.1	5.3	19.8	920	1060
24	Y		25.0 24.0	24.3	5.3	19.0	893	1033
25	B&W	6:51	24.1 23.1	23.4	5.3	18.1	850	990
26	R		22.8 21.7	22.2	5.3	16.9	799	939
27	Y		21.3 20.2	20.6	5.4	15.2	758	898
28	B&W	6:59	22.0 20.9	21.3	5.4	15.9	771	911
29	R		21.5 20.5	20.8	5.4	15.4	752	892
30	Y		21.0 19.9	20.3	5.4	14.9	740	880
31	B&W	7:02	20.5 19.6	19.9	5.4	14.5	710	850
32	R		20.0 18.8	19.2	5.4	13.8	685	825
33	Y		18.7 17.6	18.0	5.4	12.6	656	796
34	B&W	7:06	17.5 16.7	17.0	5.4	11.6	620	760
35	R		17.1 16.1	16.4	5.4	11.0	600	740
36	Y		16.5 15.7	16.0	5.4	10.6	582	722
Boat 67+50S	B&W	7:09	15.9 15.0	15.3	5.4	9.9	553	693
	R		15.0 13.9	14.3	5.4	8.9	520	660
	Y		15.0 13.0	13.7	5.4	8.3	490	630
	B&W	7:12	13.3 12.7	12.5	5.4	7.1	469	609

F. B. 1887 Pg. 14 Job No. 8412 Division No. Notes Red. CEM Plotted Profile
Survey of Beach Erosion Study Date 12/14/53 Date No.
Survey by F.H.B. Notes CEM 10/5/53 Notes Chkd. KK Checked X-Sec.
Indexed Date Date 1-2-54 Date No.

76L298 307 4-50

3

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	67+50 - S
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
67+50 S-3	A1 41	R		89°52		
	42	Y		90°00		
	43	B & W	7:15	90°00		
	44	R		90°00		
	45	Y		90°00		
	46	B & W	7:18	90°00		

RANGE 67+50 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 Date

F. B. 1887 PG. 15

76L298 307 4-50

4

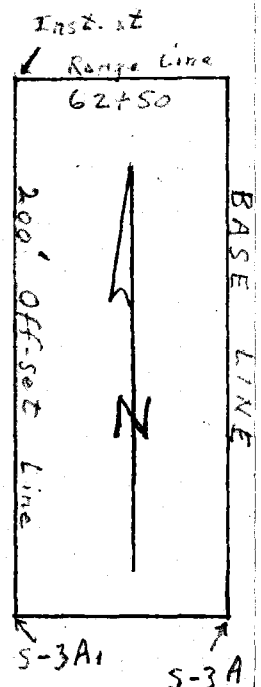
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	62+50 - S.
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
62+50	S-3A1	1	B+W	8:34	90 00		
		2	R		89 53		
		3	Y		90 00		
		4	B+W	8:38	90 00		
		5	R		90 00		
		6	Y		90 00		
		7	B+W	8:41	90 00		
		8	R		90 00		
		9	Y		90 00		
		10	B+W	8:46	90 00		
		11	R		90 00		
		12	Y		89 54		
		13	B+W	8:49	90 00		
		14	R		90 00		
		15	Y		90 00		
		16	B+W	8:53	90 00		
		17	R		90 00		
		18	Y		89 47		
		19	B+W	8:55	90 00		
		20	R		90 00		

RANGE 62+50 S



F. B. 1887 Pg. 16

Job No. Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by FHB Notes TM (10/5/53) 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.

CUT IN 67+50

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
77+50	S3A	41	R		23°31		
		42	Y		22°16		
		43	B&W	7 14	21°24		
		44	R		20°44		
		45	Y		19°49		
		46	B&W	7.18	17°34		

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. [illegible] Pg. 17

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

CUT IN 67+50 S

76L298 307 4-50

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

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

Do not extend notes this side of this line.

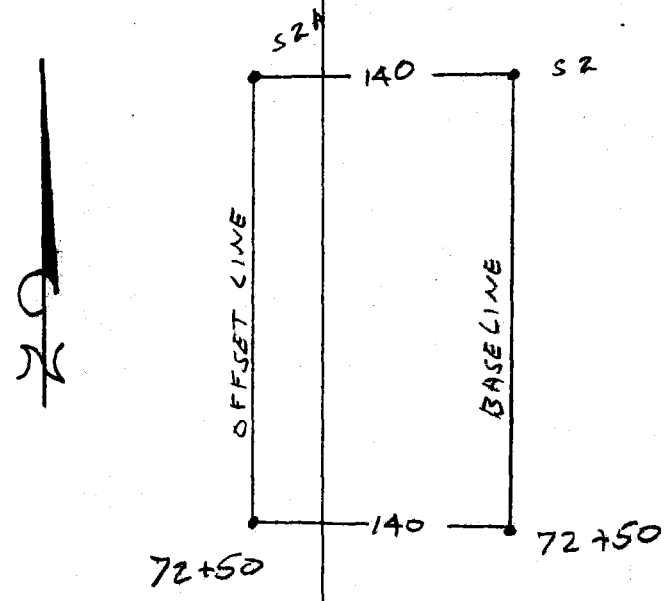
CUT IN 62+50

STATION		B. S.	H. I.	F. S.	ELEV.
Inst. At	Sight On	#	Color	Time	Hor. Ang.
72+50	S2A	1	B&W	8 33	61° 17
	140 off	* 2	R		60° 2
		3	Y		59° 32
		4	B&W	8 37	58° 18
		5	R		57° 59
		6	Y		56 5
		7	B&W	8 40	55 6
		8	R		54° 17
		9	Y		52 45
		10	B&W	8 45	50° 6
		11	R		49° 0
		* 12	Y		47° 57
		13	B&W	8 49	46 41
		14	R		45° 38
		15	Y		44° 32
		16	B&W	8 52	43° 22
		17	R		42° 18
		* 18	Y		40 0
		19	B&W	8 55	39 26
		20	R		38° 27

CUT IN 62+50 S

Remarks

Note:
Inst on 140 foot Offset



F. B. 1887 PG. 18
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No.
Survey by EHB Notes US Notes Chkd. Checked X-Sec.
Indexed 4 Date Oct 5/53 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		67+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R		12.1 11.0	11.4	5.4	6.0	455	595
42	Y		11.1 10.0	10.4	5.4	5.0	425	565
43	B&W	7:15	10.1 8.9	9.3	5.4	3.9	409	549
44	R		9.0 8.0	8.3	5.4	2.9	395	535
45	Y		8.3 7.2	7.6	5.5	2.1	377	517
46	B&W	7:18	7.4 6.2	6.6	5.5	1.1	352	492

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

F.B. 1887 PG. 19

No. Notes Chkd Checked Survey by Notes Date

No. Date 1-8-54 Date Map No. Indexed Date

Bout 67+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.	BOAT		62+50S
#	Color	Time	Meas. Depth	Bottom Tide	Adj. Depth	Remarks	
1	B&W	8:33	31.8 30.7	31.1	5.2	25.9	1825	1965
2	R		31.6 30.2	30.7	5.2	25.5	1749	1889
3	Y		31.6 30.8	31.1	5.2	25.9	1699	1839
4	B&W	8:37	32.1 31.2	31.5	5.2	26.3	1651	1791
5	R		31.9 30.8	31.2	5.2	26.0	1599	1739
6	Y		31.2 30.0	30.4	5.2	25.2	1535	1675
7	B&W	8:40	30.4 29.5	29.8	5.1	24.7	1479	1639
8	R		30.1 29.2	29.5	5.1	24.4	1391	1531
9	Y		30.2 29.0	29.4	5.1	24.3	1315	1455
10	B&W	8:46	28.8 27.8	28.1	5.1	23.0	1210	1350
11	R		28.0 26.9	27.3	5.1	22.2	1157	1297
12	Y		27.2 25.8	26.3	5.1	21.2	1107	1247
13	B&W	8:49	26.3 25.3	25.6	5.1	20.5	1060	1200
14	R		25.6 24.6	24.9	5.1	19.8	1024	1164
15	Y		26.0 25.0	25.3	5.0	20.3	984	1124
16	B&W	8:52	25.1 24.0	24.4	5.0	19.4	950	1090
17	R		24.1 23.2	23.5	5.0	18.5	915	1055
18	Y		24.1 22.7	23.2	5.0	18.2	863	1003
19	B&W	8:55	22.7 21.6	22.0	5.0	17.0	822	962
20	R		21.7 20.1	21.0	5.0	16.0	794	934

Boat 62+50S

F.B. 1887 PG. 20 Job No. 8412 Division No. Notes Red. CEM Plotted No. Profile
Survey of Beach Erosion Study Date 12/14/53 Date X-Sec.
Survey by F.H.B. Notes CEM 10/5/53 Notes Chkd. KK Checked
Indexed Date Date 1-6-54 Date No.

76L298 307 4-50

5

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	62+50-S.
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
62+50	S-3A, 21	Y		90°00		
	22	B & W	8:59	90°00		
	23	R		90°00		
	24	Y		90°00		
	25	B & W	9:01	89°48		
	26	R		90°00		
	27	Y		90°09		
	28	B & W	9:04	90°00		
	29	R		90°00		
	30	Y		90°40		
	31	B & W	9:08	90°00		
	32	R		90°00		
	33	Y		90°00		
	34	B & W	9:10	90°00		
	35	R		89°52		
	36	Y		90°00		

RANGE 62+50 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1887 PG. 21

No. ____ Date ____ Date ____ Survey of ____

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

76L298 307 4-50

6

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

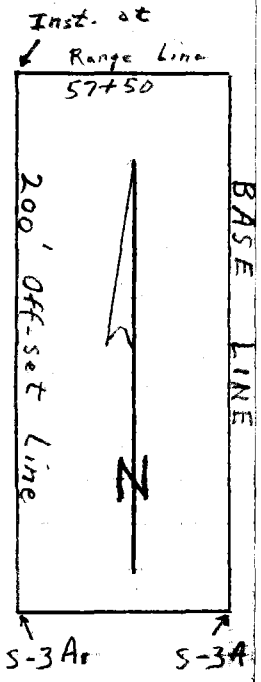
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

F.B. 1887 Pg. 22 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile
Survey of BEACH EROSION STUDY | Date | Date | No.
Survey by FHB | Notes TM | Notes Chkd. | Checked | X-Sec.
Indexed | Date | Date | Date | No.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	57+50 - 5
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
57+50	S-3Ar	1	B & W	9:38	89°45		
		2	R		90°00		
		3	Y		90°00		
		4	B & W	9:41	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	9:45	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	9:49	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	9:52	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	9:55	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B & W	9:58	90°00		
		20	R		90°00		

RANGE 57+50 S



76L298 307 4-50

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

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

Do not extend notes this side of this line.

CUTIN 62+50

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	# Color	Time	Hor. Ang.		Remarks
72+50	S2A 21	Y		37° 22		
	22	B+W	8 58	36° 01		
	23	R		34° 56		
	24	Y		33° 46		
	* 25	B+W	9 01	32° 43		
	26	R		30° 41		
	* 27	Y		29° 23		
	28	B+W	9 04	27° 32		
	29	R		26° 02		
	* 30	Y		24° 39		
	31	B+W	9 07	24° 32		
	32	R		24° 13		
	33	Y		23° 15		
	34	B+W	9 10	21° 41		
	* 35	R		20° 13		
	36	Y		19° 47		

CUTIN 62+50 S

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1887 Pg. 23

Notes Chkd. ____ Checked ____ Survey by ____ Notes ____

No. ____ Date ____ Date ____ Map No. ____ Indexed 5 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.

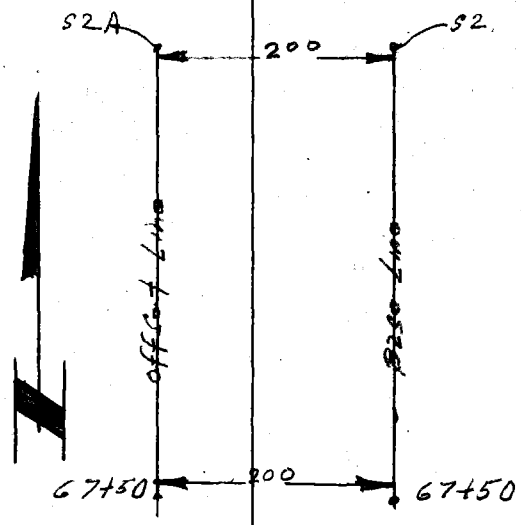
Do not extend notes this side of this line.

CUT IN 57+50

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.
67+50	S2A 200 off	* 1	B+W	9 37	58° 52
		2	R		57° 36
		3	Y		56 33
		4	B+W	9 40	55° 15
		5	R		53° 35
		6	Y		51° 59
		7	B+W	9 45	49° 35
		8	R		4[illegible] 06
		9	Y		45° 07
		10	B+W	9 48	43° 18
		11	R		41 32
		12	Y		40° 04
		13	B+W	9 52	38° 20
		14	R		37° 31
		15	Y		36° 12
		16	B+W	9 55	3[illegible] 16
		17	R		33° 0
		18	Y		31 6
		19	B+W	9 58	30° 38
		20	R		29° 48

CUT IN 57+50S

Remarks



'Note'
Inst on 200 foot Offset

F. B. 1887 Pg. 24
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by FHB Notes JS Notes Chkd. Checked
Indexed Date Oct 5/53 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		62+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		20.8 19.7	20.1	5.0	15.1	764	904
22	B&W	8:58	19.6 18.4	18.8	5.0	13.8	727	867
23	R		18.5 17.6	17.9	5.0	12.9	698	838
24	Y		17.8 16.8	17.1	5.0	12.1	669	809
25	B&W	9:01	17.0 16.0	16.3	5.0	11.3	640	780
26	R		15.6 14.5	14.9	4.9	10.0	593	733
27	Y		15.1 14.1	14.4	4.9	9.5	564	704
28	B&W	9:04	14.4 13.1	13.5	4.9	8.6	521	661
29	R		13.1 12.0	12.4	4.9	7.5	488	628
30	Y		12.2 10.0	10.7	4.9	5.8	461	601
31	B&W	9:07	11.9 10.9	11.2	4.9	6.3	456	596
32	R		10.9 9.9	10.2	4.9	5.3	450	590
33	Y		10.1 8.8	9.2	4.9	4.3	430	570
34	B&W	9:10	8.7 7.8	8.1	4.8	3.3	398	538
35	R		8.1 7.0	7.4	4.8	2.6	366	506
36	Y		6.8 5.9	6.2	4.8	1.4	360	500

BOAT 62+50S

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

Notes Chkd. Checked Survey by

No. Date 1-8-54 Date Map No. Indexed Date

F.B. 1887 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.	BOAT		57+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	9:37	31.2 30.1	30.5	4.5	26.0	1642	1842
2	R		30.3 29.2	29.6	4.5	25.1	1576	1776
3	Y		30.7 29.6	30.0	4.5	25.5	1514	1714
4	B&W	9:40	30.1 29.2	29.5	4.4	25.1	1441	1641
5	R		29.4 28.2	28.6	4.4	24.2	1356	1556
6	Y		28.8 28.0	28.3	4.4	23.9	1279	1479
7	B&W	9:45	28.1 27.1	27.4	4.4	23.0	1174	1374
8	R		27.5 26.4	26.8	4.4	22.4	1115	1315
9	Y		26.6 25.6	~~25.8~~ 25.9	4.3	~~21.5~~ 21.6	1004	1204
10	B&W	9:48	25.6 24.7	25.0	4.3	20.7	942	1142
11	R		24.6 23.0	23.5	4.3	19.2	886	1086
12	Y		23.4 22.5	22.8	4.3	18.5	841	1041
13	B&W	9:52	22.1 21.0	21.4	4.3	17.1	791	991
14	R		22.0 20.7	21.1	4.3	16.8	768	968
15	Y		20.7 19.3	19.8	4.2	15.6	732	932
16	B&W	9:55	19.2 18.3	18.6	4.2	14.4	694	894
17	R		18.3 17.2	17.6	4.2	13.4	654	854
18	Y		17.2 16.3	16.6	4.2	12.4	623	823
19	B&W	9:58	16.8 15.3	15.8	4.2	11.6	592	792
20	R		15.7 14.7	15.0	4.2	10.8	573	773

Boat 57+50S

F.B. 1887 PG. 26 Job No. 8412 Division No. ____ Notes Red. CEM Plotted ____ Profile
Survey of Beach Erosion Study Date 12/14/53 Date ____ No. ____
Survey by F.H.B. Notes CEM 10/5/53 Notes Chkd. RK Checked ____ X-Sec.
Indexed ____ Date ____ Date 12-8-54 Date ____ No. ____

76L298 307 4-50

7

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	57+50 - S
Inst. At	Sight On #	# Color	Time	Hor. Ang.		Remarks
57+50	S-3A1 21	Y		90°00		
	22	B & W	10:01	90°00		
	23	R		90°00		
	24	Y		90°00		
	25	B & W	10:06	90°00		
	26	R		90°00		
	27	Y		90°00		
	28	B & W	10:10	90°00		
	29	R		89°43		
	30	Y		90°00		

RANGE 57+50

Profile Notes Red. Plotted Job No. 8412 Division No.
Notes Chkd. Checked Survey by
No. Date Date Map No. Indexed Date

F. B. 1887 PG. 27

76L298 307 4-50

8

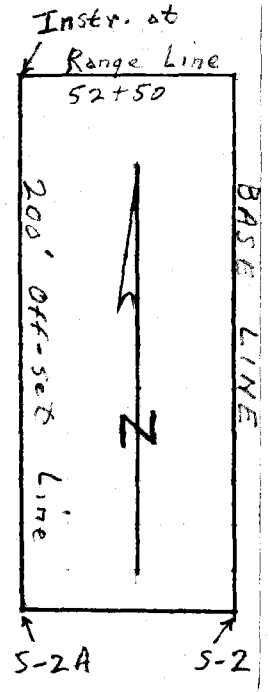
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	52+50 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
52+50	S-2A	1	B & W	10:30	90 00		
		2	R		90 00		
		3	Y		90 00		
		4	B & W	10:34	90 00		
		5	R		90 00		
		6	Y		90 00		
		7	B & W	10:38	[illegible]		
		8	R		90 00		
		9	Y		90 00		
		10	B & W	10:41	90 00		
		11	R		90 00		
		12	Y		90 00		
		13	B & W	10:44	90 00		
		14	R		90 00		
		15	Y		90 00		
		16	B & W	10:46	90 00		
		17	R		90 00		
		18	Y		90 00		
		19	B & W	10:48	90 00		
		20	R		90 00		

RANGE 52+50 S



F. B. 1887 Pg. 28
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by FHB Notes TM (10/5/53) Notes Chkd. Checked
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
67+50	S2A 21	Y		29° 03		
	22	B+W	10 00	27° 50		
	23	R		26° 19		
	24	Y		25° 03		
	25	B+W	10 05	24° 09		
	26	R		22° 50		
	27	Y		21° 34		
	28	B+W	10 10	20° 45		
	* 29	R		19° 38		
	30	Y		18° 15		

CUT IN 57+50

CUT IN 57+50

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 29

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

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

76L298 307 4-50

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

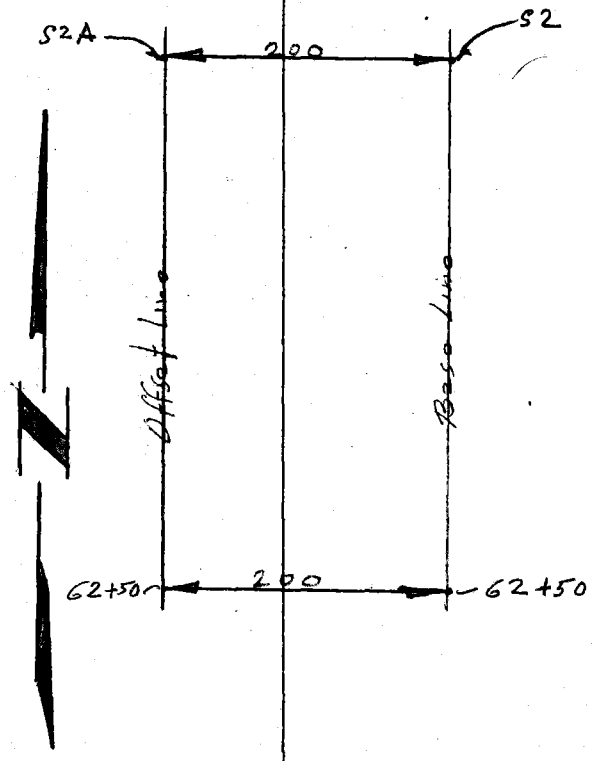
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	
62+50	S2A	1	B+W	10:30	55° 32	
		2	R		51°	
		3	Y		54 23	
		4	B+W	10 [illegible]	[illegible]	
		5	R		5[illegible] 39	
		6	Y		47 30	
		7	B+W	[illegible] 37	45 54	
		8	R		43 55	
		9	Y		4[illegible] 41	
		10	B+W	10 40	41 14	
		11	R		4[illegible] 24	
		12	Y		3[illegible] 28	
		13	B+W	10 43	3[illegible] 35	
		14	R		37 17	
		15	Y		35 34	
		16	B+W	10 45	33 42	
		17	R		32 27	
		18	Y		3[illegible] 34	
		19	B+W	10 48	2[illegible] 44	
		20	R		26 43	

CUT IN 52+50 S

Remarks.
Note
Inst on 200 foot Offset.



F. B. 1887 PG. 30
Survey of Bench Erosion Studies
Survey by F H B
Indexed
Job No. 8912 Division No.
Notes JS
Date Oct 5/53
Notes Red.
Date
Notes Chkd.
Date
Plotted
Date
Checked
Date
Profile
No.
X-Sec.
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		57+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		15.6 14.1	14.6	4.2	10.4	555 755
22	B&W	10:01	14.5 13.6	13.9	4.1	9.8	528 728
23	R		14.1 12.9	13.3	4.1	9.2	495 695
24	Y		13.2 12.0	12.4	4.1	8.3	467 667
25	B&W	10:05	12.2 11.3	11.6	4.1	7.5	448 648
26	R		11.5 10.0	10.5	4.1	6.4	421 621
27	Y		10.0 8.9	9.3	4.0	5.3	395 595
28	B&W	10:10	9.6 8.1	8.6	4.0	4.6	379 579
29	R		8.4 7.3	7.7	4.0	3.7	356 556
30	Y		7.2 6.0	6.4	4.0	2.4	330 530

Boat 57+50S

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

Notes Chkd Checked Survey by Notes

No. Date 1-8-54 Date Map No. Indexed Date

F.B. 1887 PG. 31

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. 1887 PG 32 | Job No. 8412 Division No. Beach Erosion Study | Notes Red. CEM Plotted | Profile No.
Survey of Beach Erosion Study | Date 12/14/1953 Date | X-Sec. No.
Survey by EHB Notes CEM 10/5/53 Notes Chkd. KC Checked
Indexed Date Date 1-8-54 Date

STATION: BOAT | B.S.: | H.I.: | F.S.: | ELEV.: | 52+50 S

#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	10:30	29.4 28.0	28.5	3.7	24.8	1490	1690
2	R		29.4 28.0	28.5	3.5	24.9	1350	1550
3	Y		28.4 27.3	27.7	3.6	24.1	1281	1481
4	B&W	10:34	27.9 26.8	27.2	3.6	23.6	1228	1428
5	R		27.2 26.3	26.6	3.6	23.0	1126	1326
6	Y		26.2 25.2	25.5	3.5	22.0	1012	1212
7	B&W	10:38	25.6 24.4	24.8	3.5	21.3	960	1160
8	R		25.0 23.8	24.2	3.5	20.7	893	1093
9	Y		23.8 22.9	23.2	3.5	19.7	859	1059
10	B&W	10:40	22.6 21.5	21.9	3.5	18.4	817	1017
11	R		21.2 20.2	20.5	3.5	17.0	793	993
12	Y		20.5 19.4	19.8	3.5	16.3	770	970
13	B&W	10:43	20.2 19.1	19.5	3.4	16.1	743	943
14	R		19.3 18.1	18.5	3.4	15.1	709	909
15	Y		18.2 16.9	17.3	3.4	13.9	670	870
16	B&W	10:46	16.9 15.6	16.0	3.4	12.6	623	823
17	R		15.8 14.8	15.1	3.4	11.7	594	794
18	Y		15.1 13.9	14.3	3.4	10.9	551	751
19	B&W	10:48	14.2 12.9	13.3	3.4	9.9 ~~9.7~~	552	752
20	R		13.0 12.0	12.3	3.3	9.0	470	670

Boat 52+50 S

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	52+50 - S
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
52+50	S-2A 21	Y		90°00		
	22	B & W	10:50	90°00		
	23	R		90°00		
	24	Y		90 18		
	25	B & W	10:53	90°00		
	26	R		90°00		
	27	Y		90°00		
	28	B & W	10:57	90°00		

RANGE 52+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. 1887 PG. 33

76L298 307 4-50

10

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

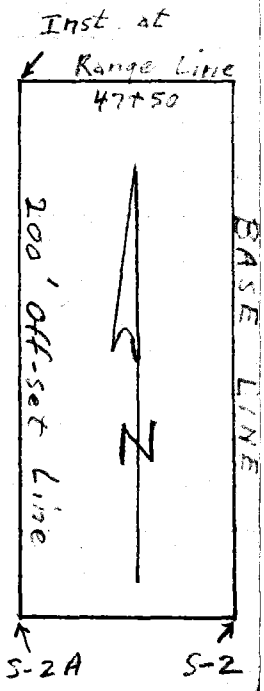
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

F. B. 1887 Pg. 34 | Job No. 8412 Division No. | Notes Red. | Plotted | Profile
Survey of BEACH EROSION STUDY | Date | Date | No.
Survey by FHB | Notes TM | Notes Chkd. | Checked | X-Sec.
Indexed | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	47+50 - S.
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
47+50 S-2A	1	B & W	11:13	90 00		
	2	R		90 00		
	3	Y		90 00		
	4	B & W	11:17	90 00		
	5	R		90 00		
	6	Y		90 00		
	7	B & W	11:19	90 00		
	8	R		90 00		
	9	Y		90 00		
	10	B & W	11:22	90 00		
	11	R		90 00		
	12	Y		90 00		
	13	B & W	11:25	90 00		
	14	R		90 00		
	15	Y		90 00		
	16	B & W	11:27	90 00		
	17	R		90 00		
	18	Y		90 00		
	19	B & W	11:30	90 00		
	20	R		90 00		

RANGE 47+50 S



76L298 307 4-50

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

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

Do not extend notes this side of this line.

CUT IN 52+5

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
62+50	S2A 200 off	21	Y		24° 57		
		22	B+W	10 50	23° 07		
		23	R		24° 35		
		* 24	Y		22° 33		
		25	B+W	10 52	21° 17		
		26	R		21° 09		
		27	Y		19° 32		
		28	B+W	10 56	18° 15		

CUT IN 52+50

Profile No. 9 Date Notes Red. Date Plotted Date Job No. Survey of Division No. F. B. 1887 Pg. 35

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.

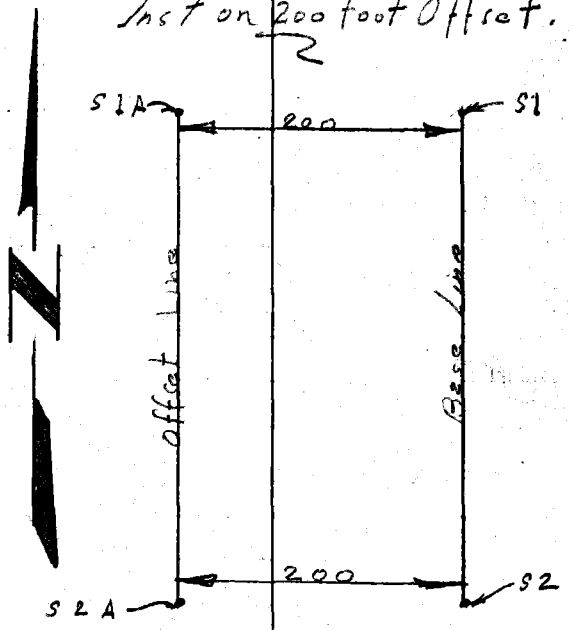
Do not extend notes this side of this line.

CUT IN 47+50

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor.	Ang.
S2A	S1A	1	Btw	11 13	55	33
		2	R		54	9
		3	Y		53	8
		4	Btw	11 16	50	[illegible]
		5	R		48	1
		6	Y		46	[illegible]
		7	Btw	11 19	45	9
		8	R		44	7
		9	Y		42	5
		10	Btw	11 21	41	0
		11	R		40	1
		12	Y		39	6
		13	Btw	11 24	38	3
		14	R		36	5
		15	Y		35	7
		16	Btw	11 27	33	19
		17	R		32	4
		18	Y		30	7
		19	Btw	11 29	28	2
		20	R		26	4

Remarks

Note
Inst on 200 foot Offset.



CUT IN 47+50 S

F. B. 4887 Pg. 36
Job No. 8412 Division No. Erosion Studies
Survey of Beach
Survey by FHB
Indexed
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Profile No.
X-Sec. 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		52+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		11.9 11.0	11.3	3.3	8.0	433	633
22	B&W	10:50	10.1 9.0	9.4	3.3	6.1	396	596
23	R		11.1 10.1	10.4	3.3	7.1	428	628
24	Y		8.9 8.0	8.3	3.3	5.0	386	586
25	B&W	10:52	8.2 7.0	7.4	3.3	4.1	361	561
26	R		7.5 6.3	6.7	3.3	3.4	360	560
27	Y		6.4 5.3	5.7	3.2	2.5	329	529
28	B&W	10:56	5.5 4.5	4.8	3.2	1.6	326	526

Boat 52+50S

Profile

Notes Red CEM Plotted Job No. 8412 Division No.

Date 12/14/53 Date Survey of

Notes Chkd Checked Survey by

No. Date Date Map No. Indexed Date

F.B. 1887 PG. 37

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. 1887 Pg. 38 | Job No. 8412 | Division No. | Notes Red. CEM | Plotted | Profile No.

Survey of | Notes CEM | Date 10/5/53 | Notes Chkd. KK | Date 12/14/53 | Checked | Date 1-8-54 | X-Sec. No.

Survey by | Date

Indexed | Date

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		47+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	11:13	29.1	28.3	2.9	25.4	1278	1478
2	R		27.9	27.2	2.9	24.3	1222	1422
3	Y		28.0	26.4	2.9	23.5	1169	1369
4	B&W	11:16	26.3	25.4	2.9	22.5	1061	1261
5	R		27.2	24.3	2.9	21.4	978	1178
6	Y		26.0	23.4	2.8	20.6	932	1132
7	B&W	11:19	26.3	22.9	2.8	20.1	892	1092
8	R		25.0	21.9	2.8	19.1	850	1050
9	Y		25.2	20.6	2.8	17.8	811	1011
10	B&W	11:21	23.9	20.1	2.8	17.3	785	985
11	R		24.3	18.9	2.8	16.1	749	949
12	Y		23.0	18.0	2.7	15.3	721	921
13	B&W	11:24	23.6	17.2	2.7	14.5	686	886
14	R		22.6	16.3	2.7	13.6	651	851
15	Y		22.6	15.3	2.7	12.6	621	821
16	B&W	11:27	21.5	14.4	2.7	11.7	588	788
17	R		21.3	13.4	2.7	10.7	549	749
18	Y		20.2	12.5	2.6	9.9	516	716
19	B&W	11:29	20.7	11.4	2.6	8.8	480	680
20	R		19.8	10.3	2.6	7.7	429	629

Boat 47+50 S

76L298 307 4-50

11

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		47+50 - S
Inst. Sight At On -	#	Color	Time	Hor. Ang.		Remarks
	21	Y		90°00		
	22	B & W	11:32	90°00		
	23	R		90°00		
	24	Y		90 00		
	25	B & W	11:35	90°00		
	26	R		90°00		
	27	Y		90°00		

Fence 47+50S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1887 Pg. 39

No. ____ Date ____ Date ____ Survey of ____

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

76L298 307 4-50

12

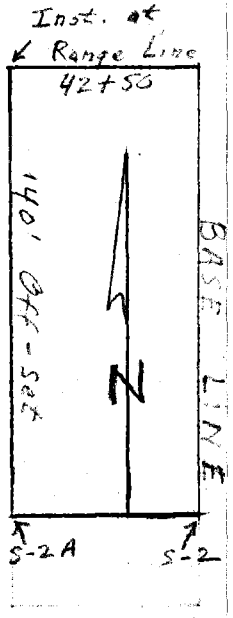
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	42+50 - S
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
	1	B & W	12:01	90°00		
	2	R		90°10		
	3	Y		90°07		
	4	B & W	12:05	90°00		
	5	R		90°00		
	6	Y		90°16		
	7	B & W	12:07	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	12:10	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	12:13	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	12:15	90°00		
	17	R		90°00		
	18	Y	12:18	90°00		
	19	B & W		90°00		
	20	R		90°00		

RANGE 42+50 S



F. B. 1887 Pg. 40
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by FHB Notes TM (10/5/53) Notes Chkd. Checked No.
Indexed 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.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
S-2A	S1A	21	Y		24° 22		
		22	B+W	11 31	23° 25		
		23	R		21° 52		
		24	Y		22° 48		
		25	B+W	11 35	22° 14		
		26	R		21° 12		
		27	Y		19° 38		

CUT IN 47+50

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

F.B. 1882 PG. 41

No. Date Notes Chkd. Checked Survey by Notes

No. Date Date Map No. Indexed Date

CUT IN 47+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.

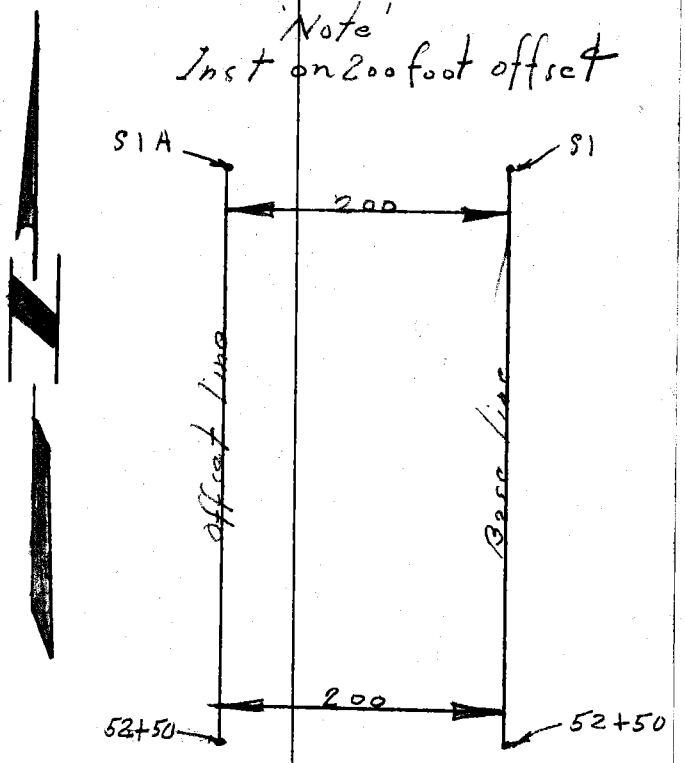
Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
52+50	S1A	1	Bfw	12 01	56° 11	
		* 2	R		54° 49	
		* 3	Y		53° 27	
		4	Bfw	12 04	51° 57	
		5	R		50° 00	
		* 6	Y		48° 03	
		7	Bfw	12 07	45° 59	
		8	R		45° 08	
		9	Y		43° 44	
		10	Bfw	12 10	42° 22	
		11	R		40° 54	
		12	Y		39° 59	
		13	Bfw	12 13	38° 38	
		14	R		37° 15	
		15	Y		35° 33	
		16	Bfw	12 15	34° 25	
		17	R		32° 44	
		18	Y		31° 19	
		19	Bfw	12 18	30° 9	
		20	R		28° 48	

Cut 42+50 S

Cut in 42+50

'Note'
Inst on 200 foot offset



F.B. 1887 Pg. 42
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Bazch Erasion Studies Date Date No.
Survey by F H B Notes Notes Chkd. Checked X-Sec.
Indexed 72 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		47+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		10.0 8.8	9.2	2.6	6.6	397	597
22	B&W	11:32	9.0 7.7	8.1	2.6	5.5	380	580
23	R		7.8 6.6	7.0	2.6	4.4	352	552
24	Y		7.9 6.0	6.6	2.6	4.0	369	569
25	B&W	11:35	7.9 6.0	6.6	2.5	4.1	358	558
26	R		6.8 5.4	5.9	2.5	3.4	340	540
27	Y		6.5 4.8	5.4	2.5	2.9	313	513

Boat 47+50S

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

Notes Chkd. FJS Checked Survey by Notes

No. Date 1-8-54 Date Map No. Indexed Date

F.B. 1887 PG. 43

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		42+50S
#	Color Time	Meas. Depth	Bottom Tide		Adj. Depth	Remarks	
1	B&W 12:01	29.2 28.0	28.4	2.2	26.2	1521	1721
2	R	28.5 27.4	27.8	2.1	25.7	1423	1623
3	Y	28.5 27.3	27.7	2.1	25.6	1353	1553
4	B&W 12:04	28.0 27.0	27.3	2.1	25.2	1278	1478
5	R	27.5 26.2	26.6	2.1	24.5	1192	1392
6	Y	27.5 26.6	26.9	2.1	24.8	1107	1307
7	B&W 12:07	26.0 24.9	25.3	2.1	23.2	1035	1235
8	R	24.8 23.9	24.2	2.1	22.1	1005	1205
9	Y	24.6 23.4	23.8	2.0	21.8	957	1157
10	B&W 12:10	23.6 22.6	22.9	2.0	20.9	912	1112
11	R	22.7 21.9	22.2	2.0	20.2	866	1066
12	Y	23.0 21.1	21.7	2.0	19.7	837	1037
13	B&W 12:13	21.1 20.2	20.5	2.0	18.5	799	999
14	R	19.8 18.8	19.1	2.0	17.1	760	960
15	Y	19.1 17.9	18.3	2.0	16.3	715	915
16	B&W 12:15	18.0 17.5	17.7	2.0	15.7	685	885
17	R	17.1 15.9	16.3	2.0	14.3	643	843
18	Y	15.5 14.5	14.8	1.9	12.9	608	808
19	B&W 12:18	14.8 13.9	14.2	1.9	12.3	581	781
20	R	14.2 13.2	13.5	1.9	11.6	546	746

Boat 42+50S

F.B. 1887 PG. 44 Job No. 8412 Division No. ____ Notes Red. CEM Plotted ____ No. ____ Profile
Survey of ____ Notes CEM 10/5/53 Date 12/14/53 Date ____ X-Sec.
Survey by ____ Date ____ Notes Chkd. KK Checked ____ No. ____
Indexed ____ Date 1-8-54 Date ____

76L298 307 4-50

15

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	42+50 - S
Inst. Sight At	On	# Color	Time	Hor. Ang.	Remarks	
42+50	S-2A 21	Y		90°00		
	22	B & W	12:21	90 00		
	23	R		90°00		
	24	Y		90°00		
	25	B & W	12:24	90°00		
	26	R		90°00		
	27	Y		90°00		
	28	B & W	12:26	90°00		
	29	R		90°00		
	30	Y		90°00		
	31	B & W	12:28	90°00		
	32	R		90°00		
	33	Y		90°00		

RANGE 42+50 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 Date

F. B. 1886 Pg. 43

76L298 307 4-50

14

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

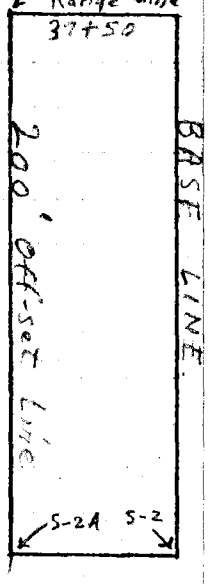
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

F. B. 1887 Pg. 46 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No.
Survey by EHB Notes TM (10/5/53) Notes Chkd. Checked X-Sec.
Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 37+50 - S -
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
37+50 S-2A	1	B & W	12:46	90°00	
	2	R		90°00	
	3	Y			
	4	B & W	12:48	89°44	
	5	R		90°00	
	6	Y		90°00	
	7	B & W	12:50	90°00	
	8	R		90°00	
	9	Y		90°00	
	10	B & W	12:51	90°00	
	11	R		90°00	
	12	Y		90°00	
	13	B & W	12:53	90°00	
	14	R		90°00	
	15	Y		90°00	
	16	B & W	12:56	90°00	
	17	R		90°00	
	18	Y		90°00	
	19	B & W	12:59	90°00	
	20	R		90°00	

RANGE 37+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.		Cut In 42+50
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
52+50	S1A	21	Y		27°42		
		22	B+W	12 21	26°36		
		23	R		24°42		
		24	Y		23°29		
		25	B+W	12 23	21°37		
		26	R		23°19		
		27	Y		21°58		
		28	B+W	12 26	20°49		
		29	R		20°54		
		30	Y		20°32		
		31	B+W	12 28	20°22		
		32	R		19°12		
		33	Y		18°36		

Cut In 42+50 S

Profile Notes Red. Plotted Job No. Division No.

F.B. Pg. 47

No. Notes Chkd. Checked Survey by Notes Date

No. Date Date Map No. Indexed Date

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

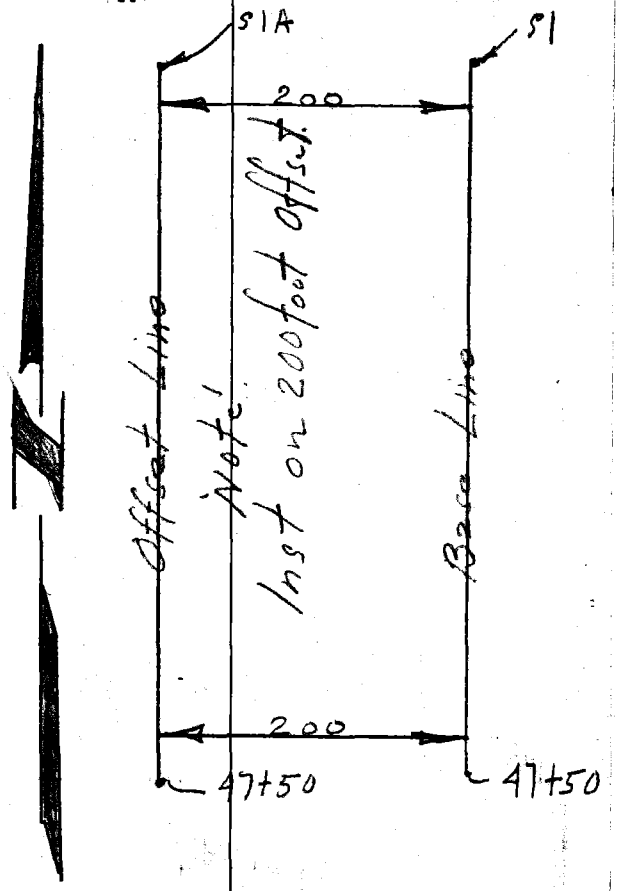
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

14

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	Cut in 37+50
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
47+50	S1A	1	B&W	12:46	5 12	
		2	R		49 27	
		3	Y		48 04	
		* 4	B&W	12 47	46 14	
		5	R		44 32	
		6	Y		43 29	
		7	B&W	12 49	41 48	
		8	R		40 01	
		9	Y		38 47	
		10	B&W	12 51	36 48	
		11	R		34 57	
		12	Y		33 24	
		13	B&W	12 53	31 24	
		* 14	R		31 1	
		15	Y		29 38	
		16	B&W	12 56	29 2	
		17	R		27 53	
		18	Y		26 6	
		19	B&W	12 59	24 51	
		20	R		23 26	

Cut in 37+50 S



F.B. 1887 PG. 48
Job No. 8412 Division No. Studies
Survey of Beach Erosion
Survey by F H B Notes JS
Indexed Date Oct 5/53
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Profile No.
X-Sec. No.

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		42+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		14.0 12.6	13.1	1.9	11.2	525	725
22	B&W	12:21	12.9 12.0	12.3	1.9	10.4	500	700
23	R		12.1 11.0	11.4	1.9	9.5	460	660
24	Y		11.0 10.1	10.4	1.9	8.5	434	634
25	B&W	12:23	8.9 8.0	8.3	1.9	6.4	396	596
26	R		10.5 9.5	9.8	1.9	7.9	431	631
27	Y		9.4 8.5	8.8	1.9	6.9	403	603
28	B&W	12:26	8.3 7.4	7.7	1.8	5.9	380	580
29	R		8.0 7.0	7.3	1.8	5.5	382	582
30	Y		7.8 6.5	6.9	1.8	5.1	375	575
31	B&W	12:28	7.4 6.0	6.5	1.8	4.7	371	571
32	R		6.4 5.5	5.8	1.8	4.0	348	548
33	Y		6.3 4.6	5.2	1.8	3.4	336	536

Boat 42+50S

Profile Notes Red. CEM Plotted Job No. 8412 Division No.
No. Date 12/14/53 Date Survey of
Notes Chkd. Checked Survey By
No. Date 1-8-54 Date Map No. Indexed Date

F. B. 1887 PG. 49

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		37+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	12:46	27.8 27.0	27.3	1.7	25.6	1244	1444
2	R		27.5 26.5	26.8	1.7	25.1	1169	1369
3	Y		26.3 25.4	25.7	1.7	24.0	1113	1313
4	B&W	12:48	25.5 24.4	24.8	1.7	23.1	1040	1240
5	R		24.6 23.8	24.1	1.7	22.4	984	1184
6	Y		24.1 23.3	23.6	1.7	21.9	948	1148
7	B&W	12:49	23.3 22.4	22.7	1.7	21.0	894	1094
8	R		21.9 21.0	21.3	1.7	19.6	840	1040
9	Y		20.9 20.0	20.3	1.7	18.6	804	1004
10	B&W	12:51	21.0 19.2	19.8	1.7	18.1	748	948
11	R		19.3 18.2	18.6	1.7	16.9	699	899
12	Y		19.0 18.0	18.3	1.7	16.6	659	859
13	B&W	12:53	17.8 16.8	17.1	1.7	15.4	610	810
14	R		16.7 15.4	15.8	1.7	14.1	604	804
15	Y		15.0 14.0	14.3	1.7	12.6	569	769
16	B&W	12:56	14.0 13.0	13.3	1.7	11.6	555	755
17	R		12.9 11.9	12.2	1.7	10.5	529	729
18	Y		11.9 11.0	11.3	1.7	9.6	497	697
19	B&W	12:59	11.0 10.2	10.5	1.7	8.8	463	663
20	R		10.4 9.3	9.7	1.7	8.0	433	633

Boat 37+50S

F. B. 1887 Pg. 50 Job No. 8412 Division No. Notes Red. CEM Plotted Date 12/14/53 No. Profile
Survey of Notes CEM Date 10/5/53 Notes Chkd. KK Checked Date No. X-Sec.
Survey by Date Date
Indexed

76L298 307 4-50

15

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	37+50
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
37+50	S-2A	21	Y		90°00		
		22	B & W	1:02	90°21		

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

No. Date Date Date Date

Notes Chkd. Checked Survey By Notes

No. Date Date Map No. Indexed Date

RANGE 37+50 S

F. B. 1867 Pg. 51

76L298 307 4-50

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

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

Do not extend notes this side of this line.

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

F. B. 1887 PG. 52

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

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

Survey by ____ Notes Chkd ____ Checked ____

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.

15

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	CUT IN 37+50
47+50	S1H	21	Y		21°21		
		* 22	B+W	1 01	19°35		

CUT IN 37+50 S

Profile Notes Red ____ Plotted ____ Job No. 2019 Division No. ____

F.B. 1887 Pg. 53

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

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

F.B. PG. 54 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 At OR	#	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.	BOAT		37+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		9.0 7.8	8.2	1.7	6.5	391	591
22	B&W	1:01	7.9 6.7	7.1	1.7	5.4	358	558

Profile Notes Red. CEM Plotted Job No. Division No. F. B. 1887 Pg. 55

No. Date 12/14/53 Date Survey of

No. Date 1-8-53 Date Map No. Indexed Date

BOAT 37+50 S

F. B. 1887 Pg. 56 | Job No. | Division No. | Notes Red. | Plotted | Profile

Survey of | Date | Date | No.

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

Indexed | Date | Date | Date | No.

76L298 307 4-50

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

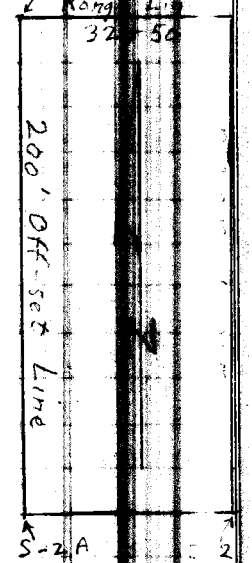
76L298 307 4-50

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.	Range	32+50 S
Inst. Sight At	On	# Color	Time	Hor. Ang.		Remarks
32+50	S-2A 1	B&W	6:14	90°00		
		R		[illegible]		
				[illegible]		
		B&W	6:17	90°00		
		R		[illegible]		
				[illegible]		
		B&W	6:20	90°00		
		R		90°00'		
				90°00'		
		B&W	6:23	90°00'		
		R		89°56'		
				90°00'		
		B&W	6:26	90°00'		
				90°00'		
				90°00'		
		B&W	6:28	90°00		
		R		90°00		
				89°54		
		B&W	6:30	90°00		
		R		90°00		



RANGE 32+50 S

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
No. Date Date Map No. Indexed Date
F. B. 1887 Pg.

F. B. 1887 PG. 58

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

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

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

Indexed ____ Date ____ Date ____ Date ____ No. ____

76L298 307 4-50

2

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

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

Do not extend notes this side of this line.

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	RANGE Remarks	32+50 - S
RANGE 32+50 S		21	Y		90 00		
		22	B & W	6:33	89 54		
		23	R		90 00		
		24	Y		[illegible]		
		25	B & W	6:35	90 00		
		26	R		90 00		
		27	Y		90 00		
		28	B & W	6:38	90 00		
		29	R		90 00		
		30	Y		90 00		
		31	B & W	6:39	90 05		
		32	R		90 00		
		33	Y		[illegible]		
		34	B & W	6:42	90 00		
		35	R		90 00		
		36	Y		90 00		
		37	B & W	6:44	90 00		
		38	R		90 00		
		39	Y		90 00		
		40	B & W	6:47	90 00		

76L298 307 4-50

3

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	32+50 — S.

Inst. At	Sight On	#	#	Color	Time	Hor. Ang.	Remarks
32+50	S-2A	41	R			90°00	
		42	Y			90°00	
		43	B+W		6:49	90°00	
		44	R			90°00	
		45	Y			90°00	
		46	B+W		6:51	90°00	
		47	R			90°00	
		48	Y			90°00	
		49	B+W		6:53	90°00	
		50	R			89°43	
		51	Y			90°00	
		52	B+W		6:56	90°00	
		53	R			90°00	
		54	Y			90°00	
		55	B+W		6:58	90°00	
		56	R			90°00	
		57	Y			90°00	
		58	B+W		7:00	90°00	
		59	R			90°00	
		60	Y			90°00	

RANGE STATIONS

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F. B. 1887 Pg. ____

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

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

76L298 307 4-50

4

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	32+50 — S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
32+50	S-2A	61	B & W	7:02	90 00		
		62	R		90 00		
		63	Y		90 00		
		64	B & W	7:05	90 00		
		65	R		90 00		
		66	Y		90 00		
		67	B & W	7:07	90 24		
		68	R		[illegible]		
		69	Y		[illegible]		
		70	B & W	7:10	[illegible]		

RANGE 32+50 S

F. B. 1887 PG. 60

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 Date Date Date No.

76L298 307 4-50

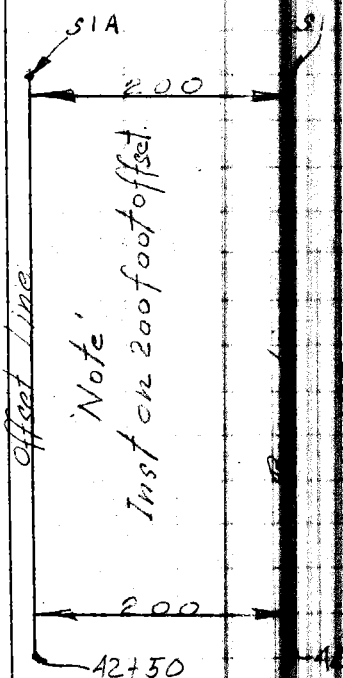
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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 32+50

STATION Inst. Sight At	Inst. Sight On	B. S.	H. I. #	Color	F. S.	ELEV. Time	Hor. Ang.	Remarks
42+50	S1A		1	B+W	6 14	63°	30	
		*	2	R		62°	44	
			3	Y		61°	28	
			4	B+W	6 17	60°	17	
			5	R		58°	53	
			6	Y		57°	09	
			7	B+W	6 20	55°	35	
			8	R		54°	11	
			9	Y		53°	36	
			10	B+W	6 23	52°	47	
		*	11	R		52°	02	
			12	Y		50°	49	
			13	B+W	6 25	49°	22	
			14	R		48°	56	
			15	Y		47°	54	
			16	B+W	6 28	46°	51	
			17	R		45°	58	
		*	18	Y		45°	22	
			19	B+W	6 30	44°	42	
			20	R		44°	16	



Profile Notes Red. Plotted Job No. Division No. F. B. Pg. 61

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

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.		CUT-IN 32+50
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
42+50	[illegible] A	21			43 14		
CUT-IN 32+50S		* 22	B+W	6 33	42 43		
		23	R		42 03		
		24	Y		41 21		
		25	B+W	6 35	41 04		
		26	R		4[illegible] 13		
		27	Y		39 52		
		28	B+W	6 37	39 39		
		29	R		39 [illegible]		
		30	Y		39 04		
		31	B+W	6 39	38 [illegible]8		
		32	R		37 [illegible]6		
		* 33	Y		37 15		
		34	B+W	6 42	37 33		
		35	R		37 [illegible]3		
		36	Y		36 [illegible]8		
		37	B+W	6 44	35 [illegible]4		
		38	R		35 08		
		39	Y		34 [illegible]0		
		40	B+W	6 46	33 15		

F. B. 1887 PG. 62
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by E H B Notes J.S. Notes Chkd. Checked
Indexed Date Oct 6/53 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.

3

CUT IN 32+50

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	# Color	Time	Hor. Ang.	Remarks	
42+50 S/A	41	R		32° 59		
	42	Y		31° 56		
	43	B+W	6 49	31° 10		
	44	R		30° 08		
	45	Y		29° 11		
	46	B+W	6 51	28° 18		
	47	R		28° 30		
	48	Y		28° 21		
	49	B+W	6 53	26° 42		
	*50	R		25° 55		
	51	Y		25° 16		
	52	B+W	6 56	24° 56		
	53	R		24° 15		
	54	Y		22° 45		
	55	B+W	6 58	22° 07		
	56	R		22° 24		
	57	Y		22° 09		
	58	B+W	7 00	21° 56		
	59	R		21° 47		

CUT IN 32+50

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

76L298 307 4-50

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

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

Do not extend notes this side of this line.

4

CUT IN 32+50

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
42+50	S1A	60	Y		2[illegible] 37		
CUT-IN 32+50S		61	B&W	7 02	2[illegible] 06		
		62	R		21[illegible] 57		
		63	Y		21[illegible] 23		
		64	B&W	7 05	2[illegible] 39		
		65	R		1[illegible] 34		
		66	Y		19 39		
		* 67	B&W	7 07	19 08		
		68	R		19 10		
		69	Y		18 36		
		70	B&W	7 10	18 14		

F. B. 1887 PG. 64

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

Survey of Beach Drainage Houses Date No.

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

Indexed Date 10/6/53 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		32 + 50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	6:13	33.1 31.5	32.0	4.7	27.3	2006	2206
2	R		32.9 31.2	31.8	4.8	27.0	1937	2137
3	Y		32.9 31.7	32.1	4.8	27.3	1839	2039
4	B&W	6:17	32.8 31.5	31.9	4.8	27.1	1752	1952
5	R		33.2 31.8	32.3	4.8	27.5	1657	1857 Extremely soft
6	Y		32.1 31.0	31.4	4.8	26.6	1549	1749 bottom
7	B&W	6:20	32.8 30.9	31.5	4.8	26.7	1460	1660
8	R		31.7 29.5	30.2	4.8	25.4	1386	1586
9	Y		31.1 30.1	30.4	4.9	25.5	1356	1556
10	B&W	6:23	30.4 29.9	30.1	4.9	25.2	1317	1517
11	R		30.9 29.5	30.0	4.9	25.1	1279	1479
12	Y		30.5 29.6	29.9	4.9	25.0	1227	1427
13	B&W	6:25	31.0 28.3	29.2	4.9	24.3	1165	1365 Hard bottom
14	R		30.0 28.9	29.3	4.9	24.4	1148	1348
15	Y		29.0 27.9	28.3	4.9	23.4	1107	1307
16	B&W	6:28	28.9 27.2	27.8	4.9	22.9	1068	1268
17	R		27.8 27.2	27.4	4.9	22.5	1043	1243
18	Y		28.5 26.7	27.3	5.0	22.3	1012	1212
19	B&W	6:30	27.8 26.9	27.2	5.0	22.2	984	1184
20	R		27.9 27.0	27.3	5.0	22.3	975	1175

Profile

Notes Red CEM Plotted Job No. 8412 Division No.

Notes Chkd. Date 12/14/53 Date Survey by

Date 1-8-54 Date Map No. Indexed Date

F.B. 1887 PG.

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. ____ X-Sec. No. ____

Notes Red. CEM Plotted ____ Date 12/14/53 Checked ____ Date ____

Notes Chkd. ____ Date ____

Job No. 8412 Division No. ____ Notes CEM 10/6/53 Date ____

Survey of Beach Erosion Study

Survey by ____ Indexed ____

B. 1887 PG. 66

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		32+50S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21 Y		28.1	27.0	5.0	22.0	940	1140
22 B&W	6:33	26.4	26.4	5.0	21.4	922	1122
23 R		27.0	26.2	5.0	21.2 ~~22.2~~	902	1102
24 Y		26.1	25.8	5.0	20.8	880	1080
25 B&W	6:35	26.7	25.4	5.0	20.4	871	1071
26 R		25.9	25.4	5.0	20.4	861	1061
27 Y		26.0	24.5	5.0	19.5	835	1035
28 B&W	6:37	25.7	24.2	5.0	19.2	829	1029
29 R		25.9	23.9	5.0	18.9	810	1010
30 Y		26.5	23.8	5.1	18.7	812	1012
31 B&W	6:39	24.8	23.3	5.1	18.2	790	990
32 R		25.6	22.8	5.1	17.7	775	975
33 Y		24.0	22.6	5.1	17.5	773	973
34 B&W	6:42	24.5	23.4	5.1	18.3	769	969
35 R		24.0	22.4	5.1	17.3	755	955
36 Y		24.7	22.5	5.1	17.4	739	939
37 B&W	6:45	23.5	21.7	5.1	16.6	719	919
38 R		24.5	21.0	5.1	15.9	704	904
39 Y		23.4	20.5	5.1	15.4	687	887
40 B&W	6:47	24.0	20.3	5.1	15.2	668	868

BOAT 32+50S

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		32+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
41	R		20.1 19.3	19.6	5.2	14.4	649	849
42	Y		20.0 18.5	19.0	5.2	13.8	623	823
43	B&W	6:49	19.4 17.9	18.4	5.2	13.2	605	805
44	R		18.4 17.3	17.7	5.2	12.5	580	780
45	Y		17.6 16.7	17.0	5.2	11.8	558	758
46	B&W	6:51	18.6 15.0	16.2	5.2	11.0	538	738
47	R		16.4 15.9	16.1	5.2	10.9	543	743
48	Y		15.9 15.1	15.4	5.2	10.2	540	740
49	B&W	6:54	15.7 15.0	15.2	5.2	10.0	503	703
50	R		15.7 14.0	14.6	5.2	9.4	485	685
51	Y		15.7 13.7	14.4	5.2	9.2	472	672
52	B&W	6:56	15.0 13.3	13.9	5.2	8.7	465	665
53	R		14.9 13.0	13.6	5.2	8.4	450	650
54	Y		13.9 11.5	12.3	5.2	7.1	419	619
55	B&W	6:58	13.0 11.4	11.9	5.3	6.6	406	606
56	R		12.9 11.6	12.0	5.3	6.7	412	612
57	Y		12.0 11.0	11.3	5.3	6.0	407	607
58	B&W	7:00	12.0 11.0	11.3	5.3	6.0	403	603
59	R		12.8 10.9	11.5	5.3	6.2	400	600
60	Y		12.1 9.5	10.4	5.3	5.1	396	596

BOAT 32+50S

Profile

Notes Red CEM Plotted Job No. 8412 Division No.

Notes Chkd. Checked Survey by Notes Date

No. Date 1-8-54 Date Map No. Indexed Date

F.B. 1887 Pg.

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. X-Sec. No.

Plotted Date Checked Date

Notes Red. CEM Date 12/16/53 Notes Chkd. Date

Division No. Notes CEM 10/6/53 Date

Job No. 8412

F.B. 1887 PG. 68

Survey of Beach Erosion Study

Survey by

Indexed

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		32+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
61	B&W	7:02	13.2 10.9 12.9	11.7	5.3	6.4	406	606
62	R		11.5 12.0	12.0	5.3	6.7	403	603
63	Y		10.7 11.2	11.1	5.3	5.8	392	592
64	B&W	7:04	9.0 10.9	9.7	5.3	4.4	377	577
65	R		8.3 10.4	9.2	5.3	3.9	355	555
66	Y		8.0 10.4	8.8	5.3	3.5	357	557
67	B&W	7:07	7.7 10.5	8.6	5.3	3.3	348	548
68	R		7.7 9.5	8.6	5.3	3.3	348	548
69	Y		7.5 9.7	8.2	5.3	2.9	337	537
70	B&W	7:10	7.0	7.9	5.4	2.5	329	529

BOAT 32+50S

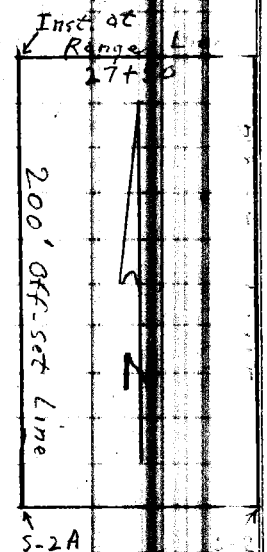
76L298 307 4-60

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	27+50 - S
Inst. At	Sight On #	# Color	Time	Hor. Ang.	Remarks	
27+50	S-2A 1	B & W	7:24	90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B & W	7:27	90°16		
	5	R		90°00		
	6	Y		90°00		
	7	B & W	7:30	90°32		
	8	R		90°19		
	9	Y		90°00		
	10	B & W	7:31	90°16		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	7:35	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	7:37	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	7:39	89°52		
	20	R		90°00		



RANGE 27+50 S

Profile Notes Red. Plotted Job No. 8412 Division No.
Notes Chkd. Checked Survey By Notes Date
No. Date Date Map No. Indexed Date
F. B. 1865 PG.

76L298 307 4-50

6

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 27+50 — S.

Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
27+50	S-2A	21	Y		[illegible]00	
RANGE 27+50S		22	B & W	7:43	[illegible]00	
		23	R		[illegible]00	
		24	Y		[illegible]00	
		25	B & W	7:45	[illegible]00	
		26	R		[illegible]00	
		27	Y		[illegible]	
		28	B & W	7:47	[illegible]00	
		29	R		[illegible]00	
		30	Y		90 00	
		31	B & W	7:49	[illegible]00	
		32	R		90 00	
		33	Y		[illegible]00	
		34	B & W	7:51	[illegible]00	
		35	R		[illegible]00	
		36	Y		[illegible]00	
		37	B & W	7:53	[illegible]00	
		38	R		[illegible]	
		39	Y		[illegible]00	
		40	B & W	7:55	70 00	

F. B. 1887 Pg. 10
Survey of BEACH
Survey by FHB
Indexed
Job No. 8412 Division No. EROSION STUDY
Notes TM
Date
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Profile No.
X-Sec. No.

76L298 307 4-50

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

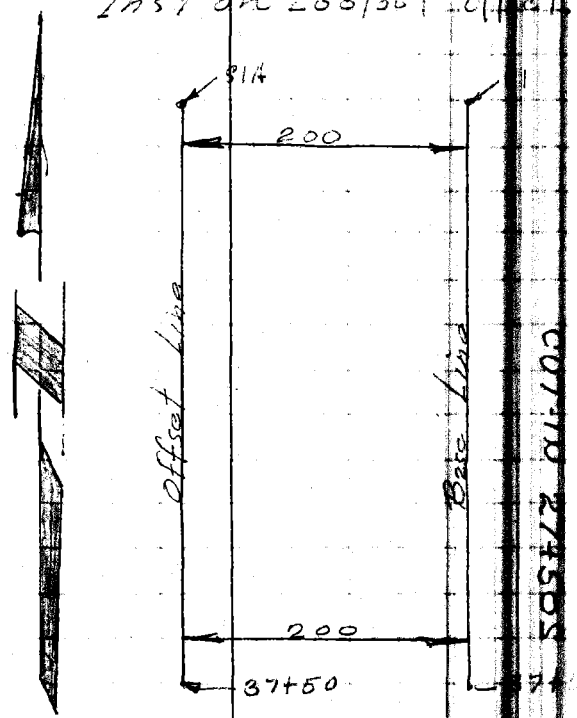
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

5

Cut in 27+5

STATION Inst. At	Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
37+50	S1A	1		B+W	7 24	55° 25	Note
		2		R		51° 55	Inst on 200 foot offset
		3		Y		50° 38	
		* 4		B+W	7 27	46° 59	
		5		R		44° 58	
		6		Y		43° 25	
		* 7		B+W	7 29	41° 44	
		* 8		R		42° 54	
		9		Y		44° 06	
		* 10		B+W	7 31	43° 00	
		11		R		41° 45	
		12		Y		40° 46	
		13		B+W	7 35	39° 51	
		14		R		38° 57	
		15		Y		37° 42	
		16		B+W	7 37	36° 29	
		17		R		35° 29	
		18		Y		34° 46	
		* 19		B+W	7 39	33° 52	
		20		R		33° 16	



Profile Notes Red. Plotted Job No. 2410 Division No. F. B. 1881 Pg. 71

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

No. Date Date Map No. Indexed Date 10/6/53

CUT-IN 27+50S

76L298 307 4-50

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

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

Do not extend notes this side of this line.

6

cut in 27+50

STATION		B. S.	M. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
37+50	5116	21	Y		32° 33		
CUT-IN 27+50S		22	B+W	7 42	32° 08		
		23	R		31° 01		
		24	Y		30° 10		
		25	B+W	7 44	29° 38		
		26	R		28° 45		
		27	Y		27° 19		
		28	B+W	7 47	26° 54		
		29	R		26° 23		
		30	Y		25° 54		
		31	B+W	7 49	25° 39		
		32	R		24° 49		
		33	Y		24° 15		
		34	B+W	7 51	26° 49		
		35	R		26° 20		
		36	Y		25° 29		
		37	B+W	7 53	24° 24		
		* 38	R		24° 01		
		39	Y		23° 57		
		40	B+W	7 55	23° 07		

F. B. 1887 PG. 72
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 Date 10/6/53 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		27 + 50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
1	B&W	7:24	32.0 31.2	31.5	5.5	26.0	1450 Extremely soft bottom 1650
2	R		31.2 30.0	30.4	5.5	24.9	1276 1476
3	Y		31.0 30.0	30.3	5.5	24.8	1219 1419
4	B&W	7:27	30.0 28.7	29.1	5.5	23.6	1078 1278
5	R		29.0 27.0	27.7	5.5	22.2	999 1199
6	Y		28.0 27.0	27.3	5.5	21.8	946 1146
7	B&W	7:30	26.0 25.0	25.3	5.5	19.8	900 1100
8	R		27.0 25.0	25.7	5.5	20.2	933 1133
9	Y		27.7 26.9	27.2	5.5	21.7	969 1169
10	B&W	7:32	27.9 26.0	26.6	5.5	21.1	936 1136
11	R		26.2 25.3	25.6	5.5	20.1	892 1092
12	Y		25.3 24.0	24.4	5.5	18.9	862 1062
13	B&W	7:35	25.3 24.4	24.7	5.5	19.2	835 1035
14	R		25.0 24.0	24.3	5.5	18.8	808 1008
15	Y		24.6 22.9	23.5	5.5	18.0	773 973
16	B&W	7:37	23.6 22.6	22.9	5.6	17.3	740 940
17	R		22.8 21.0	21.6	5.6	16.0	713 913
18	Y		22.0 21.3	21.5	5.6	15.9	694 894
19	B&W	7:39	22.0 20.2	20.8	5.6	15.2	670 870
20	R		21.0 20.0	20.3	5.6	14.7	656 856

BOAT 27+50S

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

Notes Chkd. Checked Survey By Notes Date

No. Date Date Map No. Indexed Date

F.B. 1887 Pg. 73

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. X-Sec. No.

Notes Red CEM Plotted Date 12/16/53 Date Checked Date

Notes Chkd. Date

Job No. 8412 Division No. Notes CEM 10/6/53 Date

Survey of Beach Erosion Study

Survey by Notes Date

Indexed Date

F.B. 1887 PG. 74

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		27+50S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21 Y		20.9					
		19.0	19.6	5.6	14.0	638	838
22 B&W	7:43	20.3					
		19.0	19.4	5.6	13.8	628	828
23 R		18.9					
		18.2	18.4	5.6	12.8	691	801
24 Y		18.9					
		18.1	18.4	5.6	12.8	581	781
25 B&W	7:45	17.5					
		16.9	17.1	5.6	11.5	Kva 569	769
26 R		17.8					
		16.5	16.9	5.6	11.3	549	749
27 Y		17.6					
		15.5	16.2	5.6	10.6	517	717
28 B&W	7:47	17.0					
		15.1	15.7	5.6	10.1	507	707
29 R		16.1					
		15.0	15.4	5.6	9.8	496	696
30 Y		16.0					
		14.6	15.1	5.6	9.5	486	686
31 B&W	7:49	16.0					
		14.9	15.3	5.6	9.7	480	680
32 R		15.2					
		14.5	14.7	5.6	9.1	462	662
33 Y		14.0					
		12.1	12.7	5.6	7.1	450	650
34 B&W	7:51	16.7					
		15.0	15.6	5.6	10.0	506	706
35 R		16.2					
		15.0	15.4	5.6	9.8	495	695
36 Y		15.7					
		14.7	15.0	5.6	9.4	477	677
37 B&W	7:53	14.9					
		13.0	13.6	5.6	8.0	454	654
38 R		13.9					
		12.7	13.1	5.6	7.5	445	645
39 Y		13.8					
		12.5	12.9	5.6	7.3	442	642
40 B&W	7:55	12.9					
		11.4	11.9	5.6	6.3	427	627

76L298 307 4-50

7

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	27+50-S.
Inst. Sight At	On #	# Color	Time	Hor. Ang.		Remarks
27+50	S-2A 41	R		90°00		
	42	Y		90°00		
	43	B & W	7:57	90°41		
	44	R		90°00		
	45	Y		90°00		
	46	B & W	7:59	90°00		
	47	R		90°00		
	48	Y		90°00		
	49	B & W	8:02	90°00		
	50	R		90°00		

RANGE 27+50S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1887 Pg. 75

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

76L298 307 4-50

8

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

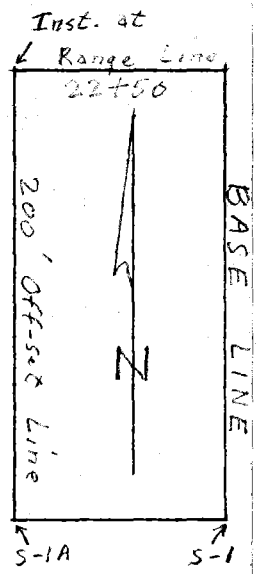
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

F. B. 1887 Pg. 78
Survey of BEACH EROSION STUDY
Survey by FHB Notes TM
Indexed Date
Job No. 8412 Division No.
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Profile No.
X-Sec. No.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	22+50 - S.
Inst. At / Sight On	#	Color	Time	Hor. Ang.	Remarks	
22+50 S-1A	1	B & W	8:23	90 17		
	2	R		90 00		
	3	Y		90 00		
	4	B & W	8:26	90 00		
	5	R		90 00		
	6	Y		90 00		
	7	B & W	8:28	90 00		
	8	R		90 00		
	9	Y		89 52		
	10	B & W	8:31	90 00		
	11	R		89 49		
	12	Y		90 00		
	13	B & W	8:34	90 00		
	14	R		90 00		
	15	Y		90 00		
	16	B & W	8:36	90 00		
	17	R		90 00		
	18	Y		90 00		
	19	B & W	8:38	90 00		
	20	R		90 00		

RANGE 22+50S



76L298 307 4-50

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

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

Do not extend notes this side of this line.

7

CUT IN 27+50

STATION Inst. At	Sight On	B. S.	H. I. #	Color	F. S. Time	ELEV. Hor. Ang.	Remarks
37+50	S1A	41		R		22° 13	
		42		Y		21° 32	
		* 43		B+W	7 58	21° 07	
		44		R		21° 28	
		45		Y		20° 30	
		46		B+W	7 59	19° 20	
		47		R		21° 36	
		48		Y		21° 50	
		49		B+W	8 01	20° 50	
		50		R		20° 17	

CUT-IN 27+50S

Profile Notes Red. Plotted Job No. 5419 Division No.

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

No. Date Date Map No. Indexed Date

F. B. 18 [illegible] Pg. 77

76L298 307 4-50

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

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

Do not extend notes this side of this line.

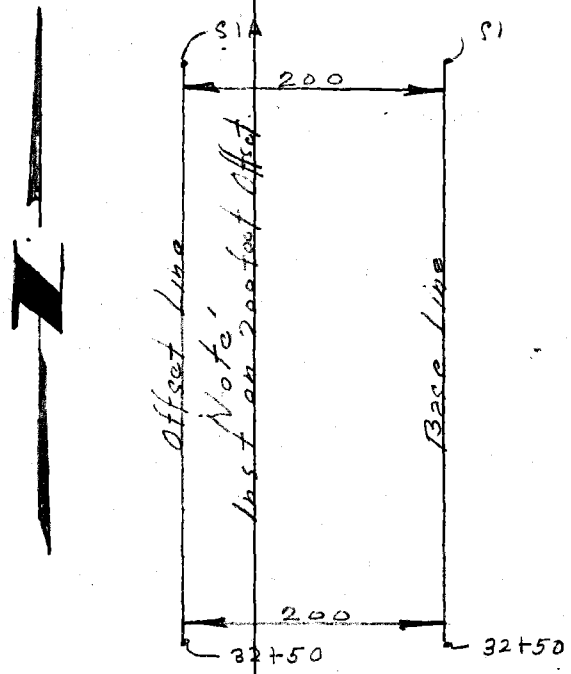
8

CUT-IN 22+50

STATION		B. S.	H. I.	F. S.	ELEV.
Inst. Sight At	On	#	Color	Time	Hor. Ang.
32+50	S1A	* 1	B/W	8 23	59° 27
		2	R		57° 14
		3	Y		54° 32
		4	B/W	8 26	54° 02
		5	R		52° 02
		6	Y		50° 22
		7	B/W	8 28	47° 59
		8	R		45° 22
		* 9	Y		48° 00
		10	B/W	8 31	47° 07
		* 11	R		45° 51
		12	Y		44° 01
		13	B/W	8 34	43° 03
		14	R		41° 40
		15	Y		40° 40
		16	B/W	8 36	39° 46
		17	R		38° 40
		18	Y		37° 18
		19	B/W	8 39	35° 59
		20	R		34° 56

CUT-IN 22+50S

Remarks



F. B. 1887 Pg. 78
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 Date 10/6/53 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		27+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
41	R		12.1 10.5	11.0	5.6	5.4	408 608
42	Y		11.9 10.1	10.7	5.6	5.1	395 595
43	B&W	7:58	11.0 9.2	9.8	5.6	4.2	388 588
44	R		11.7 10.0	10.6	5.6	5.0	393 593
45	Y		10.7 9.0	9.6	5.6	4.0	374 574
46	B&W	8:00	8.8 7.2	7.7	5.6	2.1	351 551
47	R		12.0 11.0	11.3	5.6	5.7	396 596
48	Y		11.6 10.6	10.9	5.6	5.3	401 601
49	B&W	8:02	10.3 9.0	9.4	5.6	3.8	381 581
50	R		10.9 8.0	9.0	5.6	3.4	370 570

BOAT 27+50S

Profile No. ____ Notes Red CEM Plotted ____ Job No. 8412 Division No. ____ F.B. 1887 PG. 79

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

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.

F.B. 1887 Pg. 80

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

Survey of Beach Erosion Study Date 12/16/53 Date ____ X-Sec. No. ____

Survey by ____ Notes CEM Notes Chkd. ____ Checked ____

Indexed ____ Date ____ Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		22+50S
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1 B&W	8:22	31.4	30.5	5.6	24.9	1648	1848
2 R		30.1 / 30.5	30.2	5.6	24.6	1500	1700
3 Y		30.0 / 30.4	29.5	5.6	23.9	1360	1560
4 B&W	8:26	29.1 / 30.1	29.4	5.5	23.9	1335	1535
5 R		29.0 / 30.0	28.7	5.5	23.2	1240	1440
6 Y		28.0 / 29.2	28.3	5.5	22.8	1170	1370
7 B&W	8:28	27.9 / 28.2	27.8	5.5	22.3	1180 Soft bottom	1380
8 R		27.6 / 28.0	26.5	5.5	21.0	988	1188
9 Y		25.7 / 28.6	27.5	5.5	22.0	1078	1278
10 B&W	8:31	27.0 / 28.9	27.6	5.5	22.1	1045	1245
11 R		27.0 / 28.2	27.3	5.5	21.8	993	1193
12 Y		26.8 / 27.0	25.8	5.5	20.3	941	1141
13 B&W	8:34	25.2 / 26.4	25.4	5.5	19.9	910	1110
14 R		24.9 / 25.1	24.2	5.5	18.7	867	1067
15 Y		23.7 / 24.9	23.6	5.5	18.1	837	1037
16 B&W	8:36	23.0 / 24.6	23.1	5.5	17.6	812	1012
17 R		22.4 / 23.4	22.0	5.5	16.5	781	981
18 Y		21.3 / 23.1	21.9	5.5	16.4	742	942
19 B&W	8:39	21.3 / 22.2	20.7	5.5	15.2	708	908
20 R		20.0 / 20.9	19.6	5.5	14.1	680	880

761.298 307 4-50

9

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	22+50-S

Inst. Sight At	On	#	# Color	Time	Hor. Ang.	Remarks
22+50	S-1A	21	Y		90°00	
		22	B & W	8:41	90°00	
		23	R		90°00	
		24	Y		89°54	
		25	B & W	8:43	90°00	
		26	R		90°00	
		27	Y		90°00	
		28	B & W	8:45	90°00	
		29	R		90°00	
		30	Y		90°00	
		31	B & W	8:48	90°00	
		32	R		90°00	
		33	Y		90°00	
		34	B & W	8:50	90°00	
		35	R		90°00	
		36	Y		90°00	
		37	B & W	8:52	90°00	

RANGE 22+50S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1887 Pg. 81

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

76L298 307 4-50

10

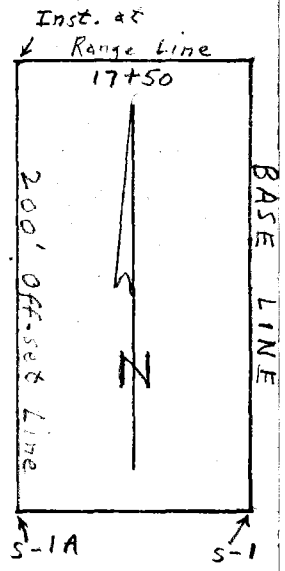
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	17+50 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
17+50	~~S-1A~~	1	B&W	9:14	8 54	* see cut-in sheet.	
	S-1A	2	R		[illegible]		
		3	Y		9 13'		
		4	B&W	9:17	[illegible]		
		5	R		[illegible]		
		6	Y		[illegible]		
		7	B&W	9:20	9 [illegible]		
		8	R		[illegible]		
		9	Y		[illegible]		
		10	B&W	9:23	[illegible]		
		11	R		[illegible]		
		12	Y		[illegible]		
		13	B&W	9:26	[illegible]		
		14	R		9 [illegible]		
		15	Y		[illegible]		
		16	B&W	9:29	9 [illegible]		
		17	R		9 [illegible]		
		18	Y		[illegible]		
		19	B&W	9:33	[illegible]		
		20	R		[illegible]		

RANGE 17+50S



F. B. 1887 Pg. 82
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 T.M. Notes Chkd. Checked
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.

9

CUT IN 22+50

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
32+50	S1/4	21	Y		33° 52		
		22	B+W	8 41	32° 47		
		23	R		31° 21		
		* 24	Y		30° 16		
		25	B+W	8 43	28° 44		
		26	R		27° 02		
		27	Y		25° 39		
		28	B+W	8 45	24° 21		
		29	R		23° 05		
		30	Y		25° 49		
		31	B+W	8 47	24° 51		
		32	R		23° 41		
		33	Y		24° 13		
		34	B+W	8 50	23° 31		
		35	R		22° 06		
		36	Y		21° 15		
		37	B+W	8 51	20° 02		

CUT-IN 22+50 S

Profile Notes Red. ____ Plotted ____ Job No. 7411 Division No. ____ F. B. 777 Pg. 83

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

76L298 307 4-50

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

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

Do not extend notes this side of this line.

F. B. 1877 PG. 84 | Job No. 2412 Division No. 1 Profile No. | Notes Red | Plotted
Survey of Basin Exploration Studies | Date | X-Sec. No.
Survey by EHB | Notes VS | Notes Chkd. | Checked
Indexed | Date 10/6/53 | Date | Date

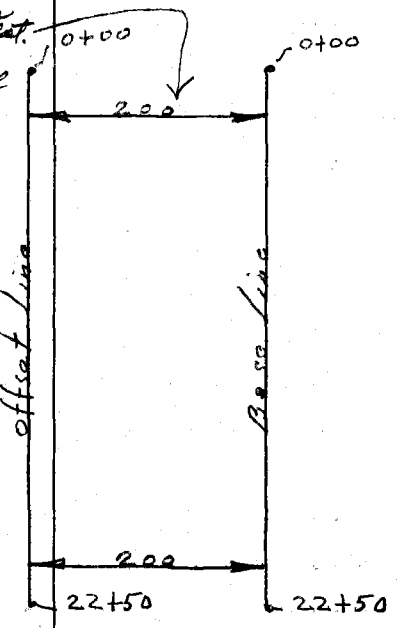
CUT-IN 17+50S

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
22+50	0+00 200 off	* 1	B+W	9 14	66 01	* 200' offset noted for this range but 300' for succeeding ranges. 300' checked shots elevations as well as profiles on either side — 200' does not so 100' added to make up for probable false offset.
		2	R		67 18	
		* 3	Y		63 39	
		4	B+W	9 17	61 39	
		* 5	R		59 14	
		* 6	Y		56 18	
		7	B+W	9 20	57 12	
		8	R		58 34	
		9	Y		56 41	
		10	B+W	9 23	54 11	
		* 11	R		51 58	
		12	Y		53 16	
		13	B+W	9 26	51 02	
		14	R		49 06	
		* 15	Y		48 18	
		16	B+W	9 29	49 07	
		17	R		51 25	
		18	Y		50 43	
		19	B+W	9 31	49 48	
		20	R		47 50	

Possibility of this range but work N.G.

CUT-IN 17+50

Note: Inst on 200 foot offset.



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		22+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		19.9 18.5	19.0	5.5	13.5	655	855
22	B&W	8:41	18.7 17.6	18.0	5.4	12.6	630	830
23	R		18.9 17.0	17.6	5.4	12.2	597	797
24	Y		18.8 16.0	16.9	5.4	11.5	570	770
25	B&W	8:43	17.2 15.3	15.9	5.4	10.5	536	736
26	R		16.1 14.2	14.8	5.4	9.4	500	700
27	Y		15.2 13.5	14.1	5.4	8.7	470	670
28	B&W	8:45	13.8 12.9	13.2	5.4	7.8	441	641
29	R		12.7 10.2	11.0	5.4	5.6	416	616
30	Y		15.1 13.5	14.0	5.4	8.6	472	672
31	B&W	8:48	14.0 13.0	13.3	5.4	7.9	452	652
32	R		13.1 11.0	11.7	5.4	6.3	428	628
33	Y		13.6 12.2	12.7	5.4	7.3	439	639
34	B&W	8:50	12.7 10.7	11.4	5.4	6.0	423	623
35	R		11.0 9.5	10.0	5.4	4.6	397	597
36	Y		9.9 8.1	8.7	5.4	3.3	380	580
37	B&W	8:52	8.9 7.0	7.6	5.3	2.3	356	556

BOAT 22+50S

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

Notes Chkd. ____ Checked ____ Survey By ____ Notes ____

Date 1-11-54 Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1887 PG. 85

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		17+50S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
1	B&W	9:13	29.0 28.5	28.7	5.1	23.6	1122	1322	1422
2	R		30.6 29.5	29.9	5.1	24.8	1225	1425	1525
3	Y		29.8 27.0	27.9	5.1	22.8	1014	1214	1314
4	B&W	9:17	29.4 26.5	27.5	5.1	22.4	927	1127	1227
5	R		27.4 26.0	26.5	5.1	21.4	837	1037	1137
6	Y		25.9 24.1	24.7	5.1	19.6	748	948	1048
7	B&W	9:20	25.3 24.2	24.6	5.1	19.5	771	971	1071
8	R		26.9 25.4	25.9	5.0	20.9	818	1018	1118
9	Y		26.0 25.0	25.3	5.0	20.3	761	961	1061
10	B&W	9:23	24.2 23.0	23.4	5.0	18.4	693	893	993
11	R		23.1 21.0	21.7	5.0	16.7	633	833	933
12	Y		23.7 22.0	22.6	5.0	17.6	666	866	966
13	B&W	9:26	22.0 20.5	21.0	5.0	16.0	618	818	918
14	R		20.7 18.7	19.4	5.0	14.4	577	777	877
15	Y		21.0 18.5	19.3	5.0	14.3	558	758	858
16	B&W	9:29	20.5 18.5	19.2	5.0	14.2	578	778	878
17	R		21.6 20.5	20.9	4.9	16.0	619	819	919
18	Y		21.8 19.6	20.3	4.9	15.4	611	811	911
19	B&W	9:33	21.0 19.0	19.7	4.9	14.8	588	788	888
20	R		20.1 18.8	19.2	4.9	14.3	552	752	852

BOAT 17+50 S

F.B. 1887 Pg. 86 Job No. 8412 Division No. Notes Red. CEM Plotted Profile
Survey of Beach Erosion Study Date 12/16/53 Date No.
Survey by Notes CEM 10/6/53 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.

Range 17+50 S

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	# Color	Time	Hor. Ang.	Remarks	
17+50	51A 21	Y		90° 00'		
	22	B&W	9:35	90° 00'		
	23	R		90° 00'		
	24	Y		90° 00'		
	25	B&W	9:38	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	9:42	90° 00'		
	32	R		90° 00'		
	33	Y		90° 00'		
	34	B&W	9:44	90° 00'		
	35	R		90° 00'		

RANGE 17+50 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1887 PG. 87

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

76L298 307 4-50

(12)

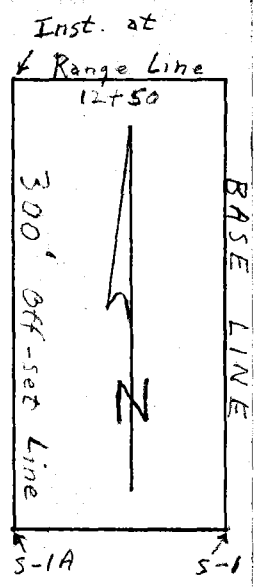
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	12+50 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
12+50	S-1A	1	B & W	10:11	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B & W	10:14	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	10:18	90°00		
		8	R	—	90°00		
		9	Y		90°00		
		10	B & W	10:21	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	10:24	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	10:26	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B & W	10:29	90°00		
		20	R		90°00		

RANGE 12+50 S



F. B. 1887 Pg. 88
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by FHB Notes TM (10/6/53) Notes Chkd. Checked No.
Indexed 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.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	CUT IN 17+50
22+50 0+00	21	Y		46° 24		
200 off	22	B+W	9 35	44° 47		
	23	R		46° 20		
	24	Y		44° 40		
	25	B+W	9 37	43° 51		
	26	R		42° 48		
	27	Y		40° 58		
	28	B+W	9 39	40° 12		
	29	R		38° 51		
	30	Y		37° 04		
	31	B+W	9 41	36° 26		
	32	R		35° 58		
	33	Y		35° 09		
	34	B+W	9 44	32° 34		
	35	R		29° 54		

CUT-IN 17+50S

Profile Notes Red. Plotted Job No. 2007 Division No.

F.B. 1227 PG. 89

Notes Chkd. Checked Survey by F.B.D. Notes Date

No. Date Date Map No. Indexed Date

76L298 307 10-51

PLEASE RETURN TO

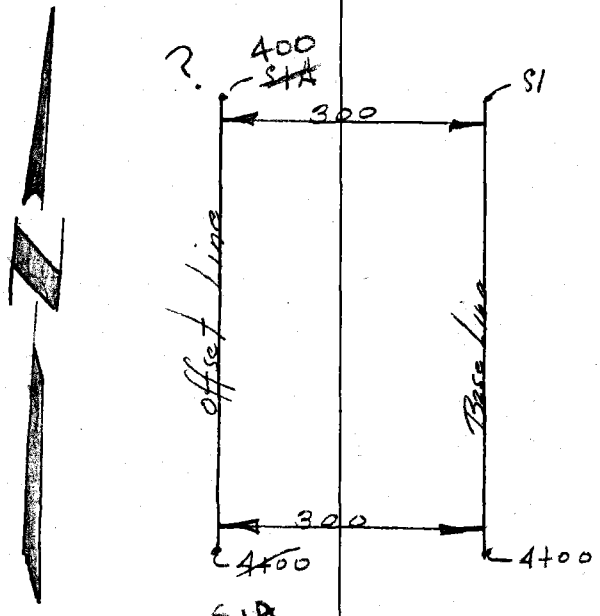
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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.		
						CUT IN	12 12+50
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00	S1A 300 off	1	Btw	10 10	62° 53	Note	
		2	R		60° 48	Inst on 300 foot Offset.	
		3	Y		58° 06		
		4	Btw	10 13	52° 57		
		5	R		54° 44		
		6	Y		52° 53		
		7	Btw	10 18	51° 29		
		8	R		49° 53		
		9	Y		48° 28		
		10	Btw	10 21	46° 20		
		11	R		44° 51		
		12	Y		43° 22		
		13	Btw	10 24	41° 40		
		14	R		40° 55		
		15	Y		39° 54		
		16	Btw	10 26	38° 40		
		17	R		37° 41		
		* 18	Y		36° 11		
		19	Btw	10 29	34° 37		
		20	R		33° 11		

CUT-IN 12+50S



F.B. 1887 PG. 90
Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by EHB Notes JS Notes Chkd. Checked
Indexed Date 10/6/53 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		17+50 S	
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks		
21	Y		18.9 18.0	18.3	4.9	13.4	525	725	825
22	B & W	9:35	18.6 16.1	16.9	4.9	12.0	496	696	796
23	R		19.0 17.2	17.8	4.9	12.9	524	724	824
24	Y		18.0 16.9	17.3	4.9	12.4	494	694	794
25	B & W	9:37	16.9 16.1	16.4	4.9	11.5	480	680	780
26	R		16.6 15.1	15.6	4.8	10.8	463	663	763
27	Y		16.6 14.0	14.9 ~~14.7~~	4.8	10.1 ~~9.9~~	434	634	734
28	B & W	9:40	15.3 13.4	14.0	4.8	9.2	423	623	723
29	R		14.7 12.2	13.0	4.8	8.2	403	603	703
30	Y		12.6 11.0	11.5	4.8	6.7	378	578	678
31	B & W	9:42	12.0 10.0	10.7	4.8	5.9	369	569	669
32	R		10.7 9.3	9.8	4.8	5.0	363	563	663
33	Y		11.7 8.8	9.8	4.8	5.0	352	552	652
34	B & W	9:44	8.9 7.8	8.2	4.8	3.4	319	519	619
35	R		8.1 6.0	6.7	4.7	2.0	288	488	588

BOAT 17+50 S

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

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

F.B. 1887 Pg. 91

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		12+50 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	10:10	30.6 29.5	29.9	4.3	25.6	1660	1960
2	R		30.5 29.0	29.5	4.3	25.2	1521	1821
3	Y		29.6 27.6	28.3	4.3	24.0	1416	1716
4	B&W	10:13	29.3 27.5	28.1	4.3	23.8	1301	1601
5	R		29.0 27.0	27.7	4.3	23.4	1202	1502
6	Y		28.0 26.4	26.9	4.2	22.7	1090	1390
7	B&W	10:18	27.0 26.2	26.5	4.2	22.3	1059	1359
8	R		27.3 25.0	25.8	4.2	21.6	1009	1309
9	Y		27.0 24.6	25.4	4.2	21.2	960	1260
10	B&W	10:21	26.4 24.0	24.8	4.2	20.6	891	1191
11	R		24.1 23.0	23.4	4.2	19.2	846	1146
12	Y		23.4 22.1	22.5	4.1	18.4	803	1103
13	B&W	10:24	22.7 21.5	21.9	4.1	17.8	757	1057
14	R		22.1 20.7	21.2	4.1	17.1	737	1037
15	Y		21.1 20.0	20.4	4.1	16.3	711	1011
16	B&W	10:26	20.2 19.0	19.4	4.1	15.3	680	980
17	R		20.0 18.9	19.3	4.1	15.2	656	956
18	Y		19.0 17.9	18.3	4.1	14.2	619	919
19	B&W	10:29	18.0 17.0	17.3	4.0	13.3	587	887
20	R		17.3 15.4	16.0	4.0	12.0	556	856

F.B. 1887 PG. 92 Job No. 8412 Division No. Notes Red. CEM Date 12/16/53 Plotted Date No. Profile
Survey of Notes CEM 10/6/53 Notes Chkd. Checked Date X-Sec.
Survey by Date No.
Indexed

76L298 307 4-50

13

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	12+50 - S
Inst. At	Sight On #	# Color	Time	Hor. Ang.	Remarks	
12+50	S-1A 21	Y		90°00		
	22	B & W	10:31	90°00		
	23	R		90°00		
	24	Y		90°00		
	25	B & W	10:34	90°00		
	26	R		90°00		
	27	Y		90°00		
	28	B & W	10:36	90°00		
	29	R		90°00		
	30	Y		90°00		
	31	B & W	10:39	90°00		
	32	R		90°00		
	33	Y		90°00		
	34	B & W	10:42	90°00		

RANGE 12+50 S

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1887 Pg. 92

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

76L298 307 4-50

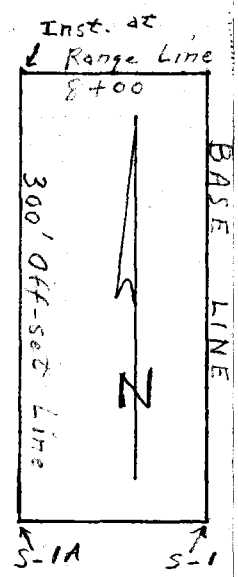
14

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	8+00 - S.
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
8+00	S-1A	1	B & W	11:04	90°00		
RANGE 8+00S		2	R		90°00		
		3	Y		90°00		
		4	B & W	11:07	90°00		
		5	R		90°12		
		6	Y		90°00		
		7	B & W	11:10	[illegible]		
		8	R		89°38		
		9	Y		90°00		
		10	B & W	11:14	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	11:18	90°12		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	11:20	90°00		
		17	R		90°00		
		18	Y		90°13		
		19	B & W	11:22	90°00		
		20	R		90°00		



F. B. 1887 Pg. 94
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EROSION STUDY Date Date No. X-Sec.
Survey by FHB Notes TM (10/6/53) Notes Chkd. Checked
Indexed Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

13

Cut in 12+50

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00	S1A	21	Y		34°38		
		22	B+W	1031	33°26		
		23	R		31°36		
		24	Y		30°49		
		25	B+W	1034	30°58		
		26	R		29°11		
		27	Y		27°59		
		28	B+W	1036	27°04		
		29	R		25°53		
		30	Y		24°45		
		31	B+W	1039	24°02		
		32	R		23°16		
		33	Y		22°41		
		34	B+W	1042	22°15		

CUT-IN 16+50S

Profile Notes Red. Plotted Job No. 2912 Division No. F.B. 1987 PG. 95

No. Notes Chkd. Checked Survey by Notes Date

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.

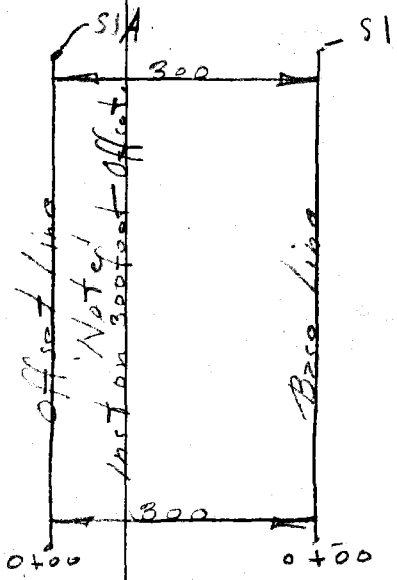
14

CUT IN 8+00

STATION		B. S.	H. I.	F. S.	ELEV.
Inst. At	Sight On	#	Color	Time	Hor. Ang.
0+00	S1A	1	B+W	11:04	63° 05
		2	R		60° 57
		3	Y		58° 09
		4	B+W	11 07	55° 46
		* 5	R		52° 55
		6	Y		49° 37
		7	B+W	11 10	46° 45
		* 8	R		43° 38
		9	Y		43° 17
		10	B+W	11 14	44° 17
		11	R		46° 48
		12	Y		49° 20
		* 13	B+W	11 18	46° 48
		14	R		44° 41
		15	Y		43° 37
		16	B+W	11 20	42° 07
		17	R		40° 12
		* 18	Y		39° 13
		19	B+W	11 22	37° 55
		20	R		35° 58

CUT-IN 8+00S

Remarks



F.B. 1887 PG. 96
Job No. 8412 Division No. Ebrian Studios
Survey of Beach
Survey by F H B
Indexed
Notes Red. Date Plotted Date No.
Notes Chkd. Date Checked Date X-Sec. No.
Date 10/6/53
Profile

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		12+50S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		18.0					
			16.3	16.9	4.0	12.9	587	887
22	B&W	10:31	17.3					
			16.1	16.5	4.0	12.5	561	861
23	R		16.6					
			14.7	15.3	4.0	11.3	523	823
24	Y		15.5					
			14.6	14.9	3.9	11.0	507	807
25	B&W	10:35	16.6					
			14.5	15.2	3.9	11.3	510	810
26	R		15.6					
			13.8	14.4	3.9	10.5	474	774
27	Y		14.8					
			13.6	14.0	3.9	10.1	451	751
28	B&W	10:37	13.7					
			12.4	12.8	3.9	8.9	434	734
29	R		13.0					
			11.1	11.7	3.9	7.8	412	712
30	Y		12.2					
			9.9	10.7	3.9	6.8	392	692
31	B&W	10:39	10.6					
			8.7	9.1	3.9	5.2	379	679
32	R		9.6					
			8.5	8.9	3.8	5.1	366	666
33	Y		9.5					
			8.0	8.5	3.8	4.7	355	655
34	B&W	10:42	9.5					
			7.4	8.1	3.8	4.3	348	648

BOAT 12+50S

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

F. B. 1887 PG.

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		8+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B & W	11:04	29.8 28.3	28.8	3.4	25.4	1576	1876
2	R		28.9 27.1	27.7	3.4	24.3	1440	1740
3	Y		27.7 26.5	26.9	3.4	23.5	1288	1588
4	B & W	11:07	27.1 25.9	26.3	3.4	22.9	1176	1476
5	R		27.0 25.0	25.7	3.4	22.3	1055	1355
6	Y		25.8 25.0	25.3	3.3	22.0	941	1241
7	B & W	11:10	25.6 22.7				void	
8	R		22.8 21.0	21.6	3.3	18.3	767	1067
9	Y		22.3 21.0	21.4	3.3	18.1	753	1053
10	B & W	~~10~~ 11:14	24.0 21.6	22.4	3.2	19.2	794	1094
11	R		25.0 23.0	23.7	3.2	20.5	852	1152
12	Y		25.7 24.3	24.8	3.2	21.6	931	1231
13	B & W	~~10~~ 11:18	24.0 23.0	23.3	3.2	20.1	848	1148
14	R		22.6 22.0	22.2	3.1	19.1	791	1091
15	Y		22.4 21.0	21.5	3.1	18.4	762	1062
16	B & W	~~10~~ 11:20	22.7 20.1	21.0	3.1	17.9	723	1023
17	R		20.9 19.9	20.2	3.1	17.1	688	988
18	Y		20.0 19.0	19.3	3.1	16.2	651	951
19	B & W	~~10~~ 11:22	19.0 18.2	18.5	3.1	15.4	623	923
20	R		18.3 16.9	17.4	3.1	14.3	581	881

F. B. 1887 Pg. 98 Job No. 8412 Division No. Notes Red. CEM Plotted Profile
Survey of Beach Erosion Study Date 12/16/53 Date No.
Survey by Notes CEM 10/6/53 Notes Chkd. Checked X-Sec.
Indexed Date Date 1-11-54 Date No.

76L298 307 4-50

15

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	8+00-S
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
8+00	S-1A 21	Y		90°00		
	22	B & W	11:24	90°00		
	23	R		89°41		
	24	Y		90°00		
	25	B & W	11:26	90°00		
	26	R		90°00		
	27	Y		90°00		
	28	B & W	11:29	90°00		
	29	R		90°00		
	30	Y		90°00		
	31	B & W	11:31	90°00		
	32	R		90°00		
	33	Y		90°00		
	34	B & W	11:33	90°00		
	35	R		90°00		
	36	Y		90°00		
	37	B & W	11:35	89°38		
	38	R		90°00		
	39	Y		90°00		
	40	B & W	11:37	90°00		

Profile Notes Red. ____ Plotted ____ Job No. 8412 Division No. ____ F. B. 1887 Pg. 99

No. ____ Date ____ Date ____ Survey of ____

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

76L298 307 4-50

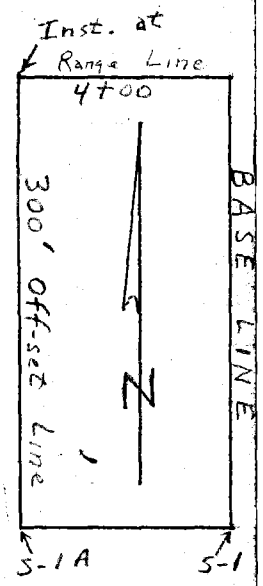
16

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	4+00 - S.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00	S-1A	1	B & W	12:00	90 00		
RANGE 4+00 S		2	R		90 00		
		3	Y		90 00		
		4	B & W	12:02	90 00		
		5	R		90 00		
		6	Y		90 00		
		7	B & W	12:05	90 00		
		8	R		90 00		
		9	Y		90 09		
		10	B & W	12:08	90 00		
		11	R		90 00		
		12	Y		90 00		
		13	B & W	12:10	90 00		
		14	R		90 00		
		15	Y		90 00		
		16	B & W	12:12	90 00		
		17	R		90 00		
		18	Y		90 00		
		19	B & W	12:14	90 00		
		20	R		90 00		



F. B. 1887 Pg. 100
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 No.
Indexed Date Date Date

76L298 307 4-50

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

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

Do not extend notes this side of this line.

15

Cutin 8+00

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
0+00	S1A	21	Y		33°59	
		22	B+W	11 24	31°46	
		*23	R		32°23	
		24	Y		31°10	
		25	B+W	11 26	30°50	
		26	R		30°34	
		27	Y		28°12	
		28	B+W	11 29	28°02	
		29	R		28°11	
		30	Y		31°46	
		31	B+W	11 31	30°03	
		32	R		27°49	
		33	Y		26°19	
		34	B+W	11 33	26°12	
		35	R		27°24	
		36	Y		26°21	
		*37	B+W	11 35	25°40	
		38	R		23°59	
		39	Y		25°18	
		40	B+W	11 37	25°27	

Profile Notes Red. Plotted Job No. 2411 Division No. F. B. 1881 Pg. 101

No. Date Date Map No. Indexed Date

76L298 307 4-50

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

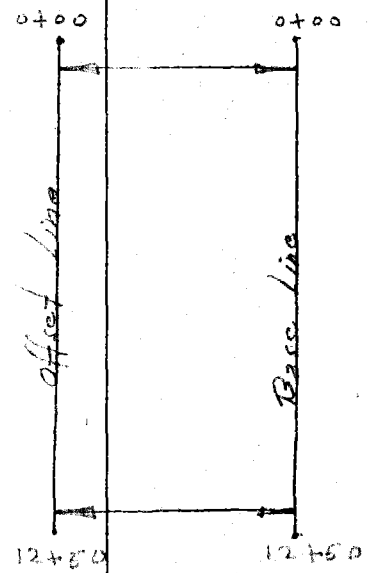
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

16

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
12+50	0+00	1	B+W	12 00	60° 55		
		2	R		57 13		
		3	Y		58 39		
		4	B+W	12 01	57 41		
		5	R		55 54		
		6	Y		54 28		
		7	B+W	12 04	51 6		
		8	R		48 24		
		* 9	Y		45 45		
		10	B+W	12 07	44 30		
		11	R		42 59		
		12	Y		41 40		
		13	B+W	12 10	40 05		
		14	R		38 7		
		15	Y		37 29		
		16	B+W	12 12	36 2		
		17	R		34 35		
		18	Y		33 10		
		19	B+W	12 13	31 37		
		20	R		32 10		

CUT-IN 4+00 S



'Note'
Inst on 300 foot offset.

Profile
X-Sec.
No.
Plotted
Date
Checked
Date
Notes Red.
Date
Notes Chkd.
Date
Division No.
Job No. 8411 L
Notes
Date 10/6/53
Survey of Bench Erosion Studies
Survey by FHB
Indexed
F. B. 18877 Pg. 102

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		8+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		17.8 15.9	16.5	3.1	13.4	539	839
22	B & W	11 ~~10~~:24	16.2 14.2	14.9	3.0	11.9	495	795
23	R		16.9 15.0	15.6	3.0	12.6	508	808
24	Y		16.0 14.6	15.1	3.0	12.1	484	784
25	B & W	11 ~~10~~:26	15.9 13.1	14.0	3.0	11.0	478	778
26	R		15.0 13.7	14.1	3.0	11.1	473	773
27	Y		13.4 12.0	12.5	3.0	9.5	429	729
28	B & W	11 ~~10~~:29	14.0 11.7	12.5	3.0	9.5	426	726
29	R		12.8 11.9	12.2	2.9	9.3	429	729
30	Y		16.0 14.5	15.0	2.9	12.1	495	795
31	B & W	11 ~~10~~:32	14.9 13.0	13.6	2.9	10.7	463	763
32	R		14.4 11.9	12.7	2.9	9.8	422	722
33	Y		12.0 10.0	10.7 ~~11.7~~	2.9	7.8 ~~8.8~~	396	696
34	B & W	11 ~~10~~:34	11.7 10.0	10.6	2.9	7.7	394	694
35	R		13.1 11.0	11.7	2.9	8.8	415	715
36	Y		12.0 9.9	10.6	2.8	7.8	396	696
37	B & W	11 ~~10~~:36	10.6 9.5	9.9	2.8	7.1	387	687
38	R		9.1 7.3	7.9	2.8	5.1	356	656
39	Y		9.4 7.5	8.1	2.8	5.3	378	678
40	B & W	11 ~~10~~:38	10.5 8.6	9.2	2.8	6.4	381	681

Profile

Notes Red. CEM Plotted Job No. 8410 Division No.

Notes Chkd. Checked Survey by Notes Date

No. Date Date Map No. Indexed Date

F.B. 1887 Pg. 105

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		4+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	12:00	28.2 27.1	27.5	2.4	25.1	1528	1828
2	R		27.2 26.0	26.4	2.4	24.0	1455	1755
3	Y		26.5 25.5	25.8	2.4	23.4	1395	1695
4	B&W	12:02	27.0 25.9	26.3	2.4	23.9	1344	1644
5	R		26.6 25.3	25.7	2.4	23.3	1255	1555
6	Y		26.8 25.7	26.1	2.4	23.7	1190	1490
7	B&W	12:05	26.2 24.3	24.9	2.4	22.5	1060	1360
8	R		25.3 23.3	24.0	2.3	21.7	957	1257
9	Y		23.3 22.0	22.4	2.3	20.1	874	1174
10	B&W	12:07	23.0 22.0	22.3	2.3	20.0	835	1135
11	R		22.8 21.8	22.1	2.3	19.8	792	1092
12	Y		22.5 21.0	21.5	2.3	19.2	756	1056
13	B&W	12:10	21.1 20.3	20.6	2.3	18.3	715	1015
14	R		21.6 19.0	19.9	2.3	17.6	683	983
15	Y		20.0 18.7	19.1	2.2	16.9	652	952
16	B&W	12:12	19.3 17.7	18.2	2.2	16.0	618	918
17	R		19.5 17.0	17.8	2.2	15.6	586	886
18	Y		18.0 16.5	17.0	2.2	14.8	556	856
19	B&W	12:14	15.9 14.2	14.8	2.2	12.6	523	823
20	R		16.1 14.8	15.2	2.2	13.0	535	835

F.B. 1887 PG. 104 Job No. 8412 Division No. ____ Notes Red. CEM Plotted ____ Profile ____
Survey of Beach Erosion Study Date 12/16/53 Date ____ No. ____
Survey by ____ Notes CEM 10/6/53 Notes Chkd KK Checked ____ X-Sec. ____
Indexed ____ Date ____ Date 1-11-50 Date ____ No. ____

76L298 307 4-50

17

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	4+00 - S.
Inst. Sight At	On #	# Color	Time	Hor. Ang.	Remarks	
4+00	S-1A 21	Y		90°00		
	22	B + W	12:16	90°00		
	23	R		90°00		
	24	Y		90°00		
	25	B + W	12:18	90°00		
	26	R		90°00		
	27	Y		90°00		
	28	B + W	12:20	89°45		
	29	R		90°00		
	30	Y		90°00		
	31	B + W	12:21	90°00		
	32	R		90°00		
	33	Y		90°00		

RANGE 4+00 S

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

F. B. 1887 PG. 165

76L298 307 4-50

18

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

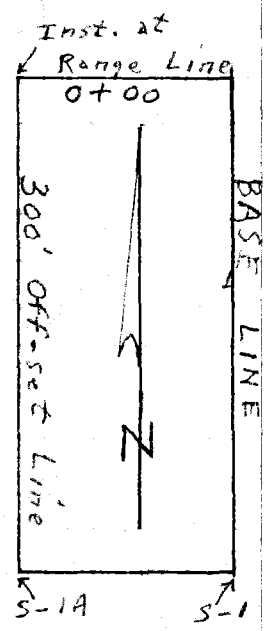
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE 0+00 -

Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
0+00	S-1A	1	B & W	12:45	[illegible]	
		2	R		90 00	
		3	Y		90 00	
		4	B & W	12:49	90 00	
		5	R		90 00	
		6	Y		90 00	
		7	B & W	12:52	90 00	
		8	R		[illegible]	
		9	Y		90 00	
		10	B & W	12:54	90 35	
		11	R		90 00	
		12	Y		90 00	
		13	B & W	12:56	90 00	
		14	R		90 22	
		15	Y		[illegible]	
		16	B & W	12:59	90 00	
		17	R		90 00	
		18	Y		90 00	
		19	B & W	1:00	90 00	
		20	R		90 00	

RANGE 0+00



F. B. 1887 Pg. 106
Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of BEACH EXPRESSWAY STUDY Date No.
Survey by EHB Notes TM (10/4/53) 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.

17
CATIN 4+00

STATION	B. S.	H. I.	F. S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
12+50 0+00	21	Y		33° 02		
	22	B+W	12 16	32° 18		
	23	R		30° 44		
	24	Y		29° 13		
	25	B+W	12 17	28° 15		
	26	R		27° 43		
	27	Y		25° 52		
	* 28	B+W	12 19	26° 52		
	29	R		25° 01		
	30	Y		24° 59		
	31	B+W	12 20	23° 51		
	32	R		23° 00		
	33	Y		23° 38		

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

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

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

F.B. [illegible] PG. 107

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.

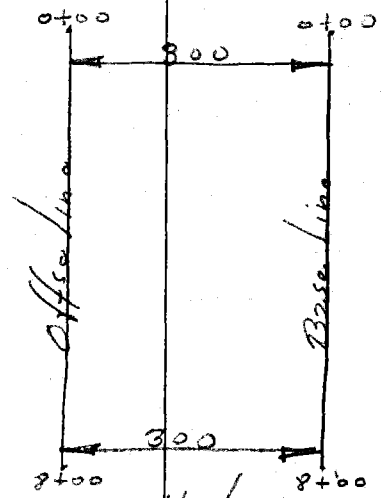
Do not extend notes this side of this line.

18
cut in 0+00

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.
8+00	0+00	1	B&W	12 45	64° 17
~~0~~		2	R		62° 36
0		3	Y		59° 30
0+00		4	B&W	12 48	57° 04
		5	R		55° 21
		6	Y		52° 33
		7	B&W	12 51	49° 29
		8	R		47° 23
		9	Y		48° 16
		* 10	B&W	12 53	45° 34
		11	R		44° 17
		12	Y		42° 30
		13	B&W	12 55	41° 15
		* 14	R		39° 41
		15	Y		38° 25
		16	B&W	12 58	37° 9
		17	R		36° 12
		18	Y		35° 32
		19	B&W	12 59	34° 26
		20	R		32° 58

CUT-IN 0+00

Remarks



Note
Inst on 300 foot offset

F.B. 1887 PG. 108 Job No. 8412 Division No. 1 Notes Red. Plotted No. Profile
Survey of Beach Erosion Study Date Date X-Sec.
Survey by FHB Notes 15 Notes Chkd. Checked No.
Indexed Date 10/6/53 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.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		4+00 S
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		17.0 16.0	16.3	2.2	14.1	552	852
22	B&W	12:16	16.9 15.0	15.6	2.2	13.4	537	837
23	R		15.0 14.0	14.3	2.2	12.1	505	805
24	Y		15.0 13.0	13.7	2.1	11.6	475	775
25	B&W	12:18	14.3 12.0	12.8	2.1	10.7	456	756
26	R		14.0 12.0	12.7	2.1	10.6	463	763
27	Y		11.9 10.0	10.6	2.1	8.5	412	712
28	B&W	12:19	13.7 11.0	11.9	2.1	9.8	431	731
29	R		11.2 9.0	9.7	2.1	7.6	397	697
30	Y		11.2 9.0	9.7	2.1	7.6	396	696
31	B&W	12:21	9.4 8.1	8.5	2.1	6.4	376	676
32	R		8.2 6.5	7.1	2.1	5.0	361	661
33	Y		8.1 7.0	7.4	2.1	5.3	372	672

Profile Notes Red. CEM Plotted Job No. 9412 Division No.
Notes Chkd. Checked Survey By Notes Chkd. Date
No. Date Date Map No. Indexed Date

F. B. 1887 PG.

76L298 307 4-50

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

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

Do not extend notes this side of this line.

F.B. 1887 Pg. 110 Job No. 8412 Division No. Notes Red. CEM Plotted Profile No.
Survey of Beach Erosion Study Date 12/16/53 Date Date X-Sec. No.
Survey by Notes CEM Notes Chkd. KK Checked
Indexed Date Date 1-11-54 Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		0+00
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1 B&W	12:45	27.5 26.0	26.5	1.8	24.7	1661	1961
2 R		27.6 26.0	26.5	1.8	24.7	1543	1843
3 Y		26.7 24.9	25.5	1.7	23.8	1358	1758
4 B&W	12:48	25.8 24.1	24.7	1.7	23.0	1235	1535
5 R		25.2 23.4	24.0	1.7	22.3	1143	1443
6 Y		24.9 23.0	23.6	1.7	21.9	1045	1345
7 B&W	12:51	23.5 22.8	23.0	1.7	21.3	936	1236
8 R		23.2 21.0	21.7	1.7	20.0	870	1170
9 Y		23.0 21.9	22.3	1.7	20.6	889	1189
10 B&W	12:54	22.4 21.0	21.5	1.7	19.8	822	1122
11 R		21.3 19.9	20.4	1.7	18.7	780	1080
12 Y		20.6 19.0	19.5	1.7	17.8	729	1029
13 B&W	12:56	19.2 18.0	18.4	1.7	16.7	702	1002
14 R		19.3 17.4	18.0	1.7	16.3	667	967
15 Y		17.6 16.5	16.9	1.6	15.3	634	934
16 B&W	12:58	17.2 16.0	16.4	1.6	14.8	610	910
17 R		17.5 16.0	16.5	1.6	14.9	596	896
18 Y		17.1 15.2	15.8	1.6	14.2	571	871
19 B&W	1:00	15.9 14.0	14.6	1.6	13.0	548	848
20 R		14.3 13.0	13.4	1.6	11.8	519	819

76L298 307 4-50

19

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	0+00

Inst. At	Sight On	#	# Color	Time	Hor. Ang.	Remarks
0+00	S-1A	21	Y		90°32	
		22	B & W	1:02	90°00	
		23	R		90°00	
		24	Y		90°00	
		25	B & W	1:03	90°00	
		26	R		90°00	
		27	Y		90°00	
		28	B & W	1:05	90°00	
		29	R		90°00	

Profile Notes Red. Plotted Job No. Division No.

No. Date Notes Chkd. Checked Survey By Notes Date

Date Map No. Indexed Date

F. B. Pg.

76L298 307 4-50

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

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

Do not extend notes this side of this line.

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

F. B. 1887 PG. 112

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

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

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

Indexed ____ 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.

19

CUT IN 0+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
8+00	0+00	* 21	Y		32°24		
		22	B/W	1 01	31° 11		
		23	R		32° 04		
		24	Y		31° 01		
		25	B/W	1 04	29° 45		
		26	R		30° 32		
		27	Y		29° 03		
		28	B/W	1 05	28° 18		
		29	R		27° 38		
			Y				
		31	[illegible]	1			

CUT-IN 0+00

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

F.B. [illegible] PG. 113

X-sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by [illegible] Notes [illegible] Date [illegible] Map No. ____ Indexed ____ Date ____

F.B. 1887 PG. 114

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

Survey of _____ Date _____ Date _____

Survey by _____ Notes _____ Notes Chkd. _____ Checked _____

Indexed _____ Date _____ Date _____ Date _____

Profile No. _____

X-Sec. No. _____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst.Sight At	#	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.	BOAT		0+00
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		14.2 13.0	13.4	1.6	11.8	510	810
22	B & W	1:01	13.0 11.1	11.7	1.6	10.1	484	784
23	R		15.1 12.0	13.0	1.6	11.4	501	801
24	Y		12.8 11.6	12.0	1.6	10.4	481	781
25	B & W	1:03	11.3 9.5	10.1	1.6	8.5	457	757
26	R		12.3 10.5	11.1	1.6	9.5	472	772
27	Y		10.5 8.8	9.4	1.6	7.8	444	744
28	B & W	1:05	9.8 7.7	8.4	1.6	6.8	430	730
29	R		8.5 7.0	7.5	1.6	5.9	419	719

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

Notes Chkd. Checked Survey By Notes Date

No. Date 1-11-54 Date Map No. Indexed Date

F. B. 1887 Pg.

F. B. 1887 Pg. 116

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

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

Survey by ____ Date ____ Date ____ No. ____

Indexed ____

76L298 307 4-50

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

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

F. B. [illegible] PG. 117

Map No.
Office Work
Checked
Date

W. O. [illegible] Tape No. [illegible]
Surveyed by Blanchard
Notes Blanchard Date 10-19-5[illegible]
Indexed

TIDE [illegible]

STANDARD TIME OCT 7 1953

HOUR	TIDE
5:00	3.3
5:30	3.9
6:00	4.3
6:30	4.9
7:00	5.2
7:30	5.4
8:00	5.6
8:30	5.6
9:00	5.6
9:30	5.5
10:00	5.1
10:30	4.7
11:00	4.4
11:30	3.6
12:00	3.2
12:30	2.7
1:00	2.0
1:30	1.5

Note: Any Additions or Changes on This Sheet Must 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. 1887 PG. 118

TIDE GAGE

STANDARD TIME

OCT 8 1953

HOUR	TIDE
6:00	4.00
6:30	4.60
7:00	5.10
7:30	5.40
8:00	5.60
8:30	5.70
9:00	5.70
9:30	5.50
10:00	5.30
10:30	4.80
11:00	4.40
11:30	3.60
12:00	3.00
12:30	2.50
1:00	2.27

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

Do not extend notes this side of this line.

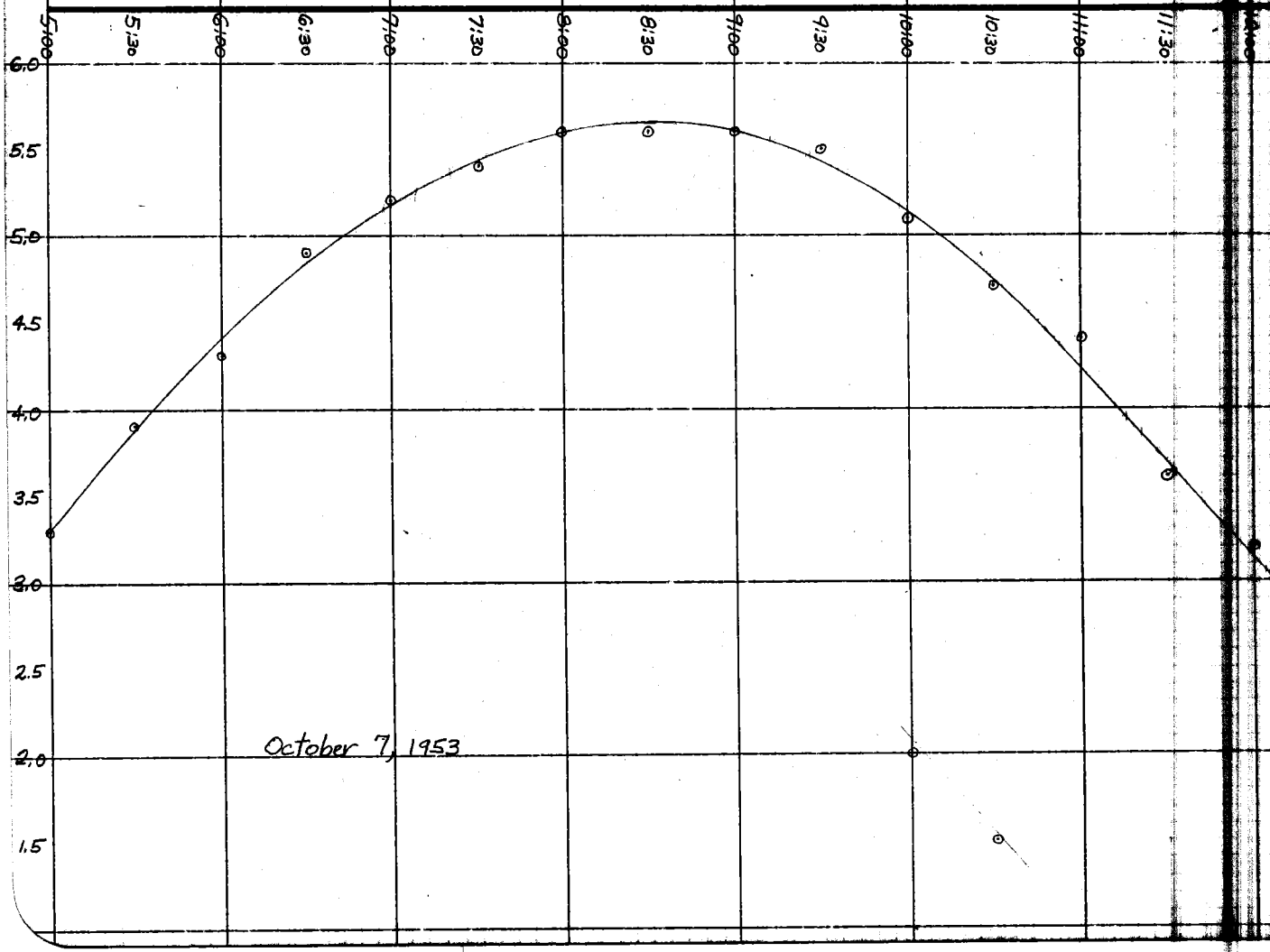
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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.

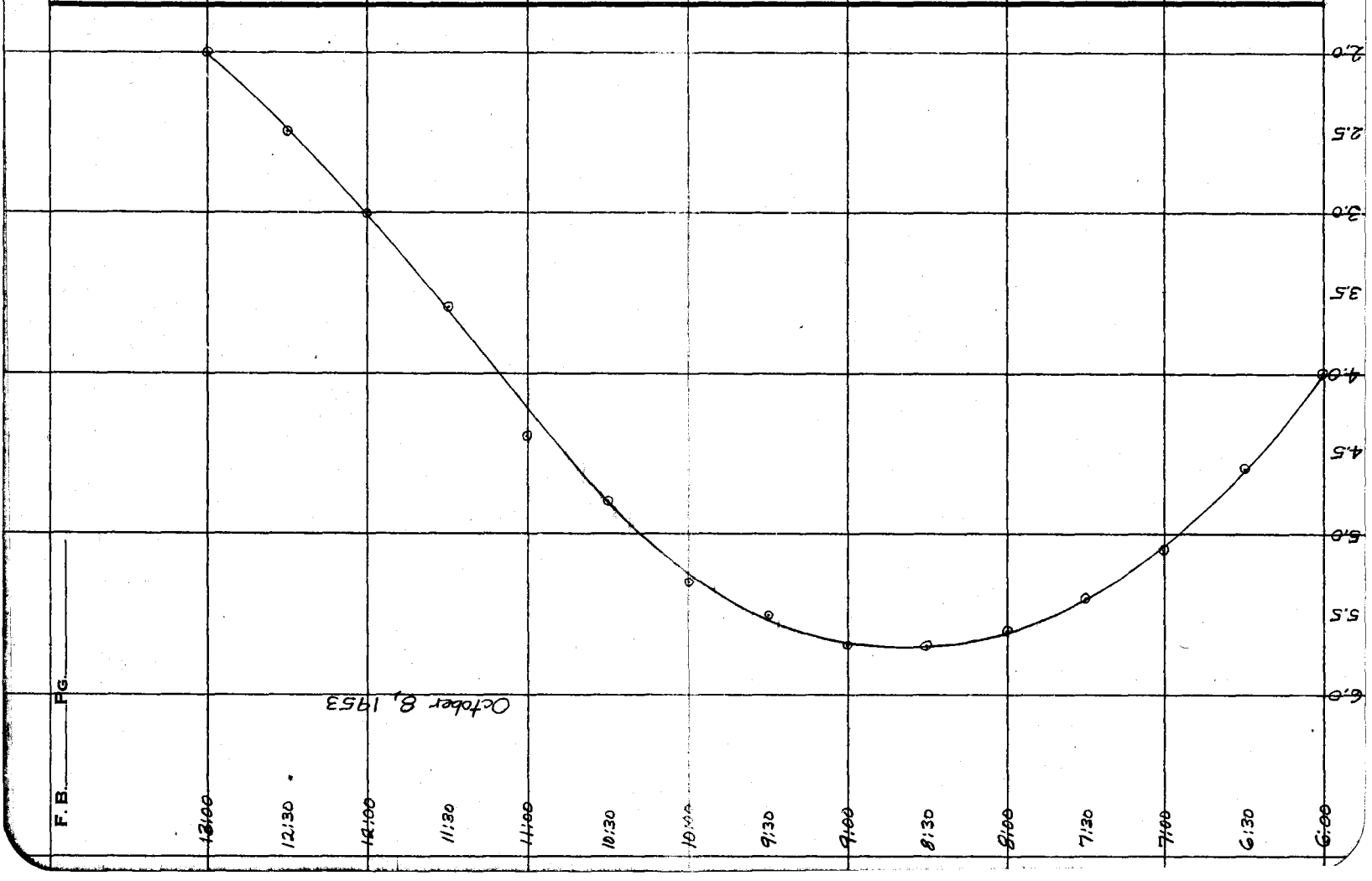


Map No.
Office Work
Checked
Date
W. O.
Map No.
Surveyed by
Notes
Date
Indexed
F. B.
PG.

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

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

Do not extend notes this side of this line.



October 8, 1953

F. B. _____ PG. _____

76L298 307 10-51

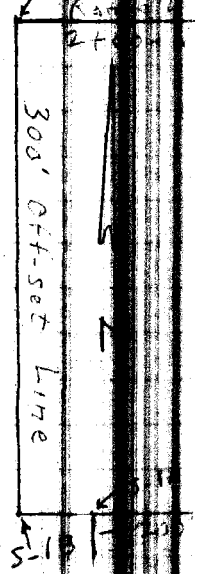
PLEASE RETURN TO

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	2+00 - N.
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
2+00	S-1B	1	B & W	9:26	90°00		
		2	R		90°00		
		3	Y		90°16		
		4	B & W	9:30	90°08		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	9:34	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	9:37	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	9:41	90°00		
		14	R		90°15		
		15	Y		90°00		
		16	B & W	9:43	90°00		
		17	R		89°41		
		18	Y		90°00		
		19	B & W	9:46	90°00		
		20	R		90°00		



RANGE 2+00 N

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

F.B. 1887 PG. 119

76L298 3Q7 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	2+00 — N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
2+00	S-1B	21	Y		9[illegible]00		
RANGE 2+00N		22	B & W	9:49	9[illegible]8		
		23	R		9[illegible]00		
		24	Y		9[illegible]		
		25	B & W	9:52	[illegible]00		
		26	R		9[illegible]0		
		27	Y		9[illegible]		
		28	B & W	9:54	9[illegible]		
		29	R		9[illegible]		
		30	Y		9[illegible]		
		31	B & W	9:57	9[illegible]		
		32	R		9[illegible]		
		33	Y		9[illegible]		
		34	B & W	9:58	9[illegible]		
		35	R		9[illegible]		
		36	Y		9[illegible]		
		37	B & W	10:00	9[illegible]		
		38	R		9[illegible]		
		39	Y		9[illegible]		
		40	B & W	10:02	9[illegible]		

F.B. 1887 PG. 120

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

Survey of BEACH EROSION STUDY Date Date No.

Survey by FHG Notes TM 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.

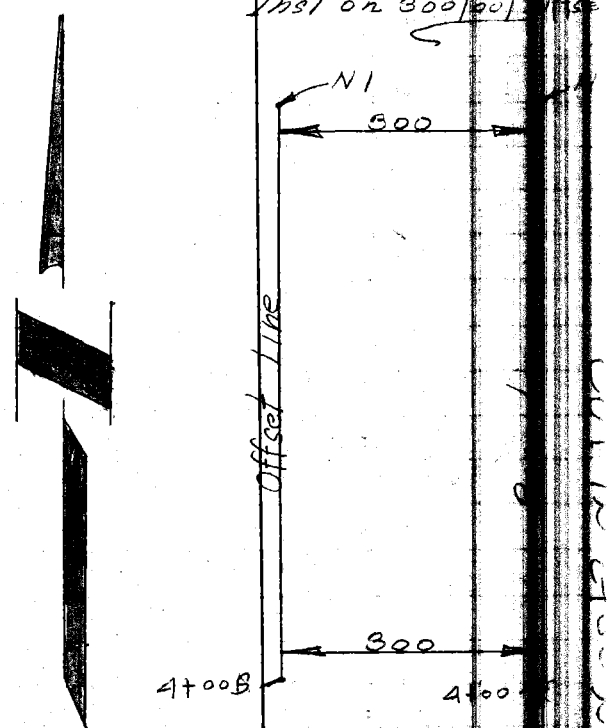
Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
Inst. Sight At On	#	Color	Time	Hor. Ang.
4+00S N1 300 off	1	B+W	9:26	71°57
3000 ft	2	R		70°44
	* 3	Y		69°33
	* 4	B+W	9:30	68°54
	5	R		68°17
	6	Y		66°57
	7	B+W	9:33	66°10
	8	R		65°22
	9	Y		64°12
	10	B+W	9:35	63°32
	11	R		62°13
	12	Y		61°07
	13	B+W	9:37	59°41
	* 14	R		57°47
	15	Y		58°46
	16	B+W	9:42	57°00
	* 17	R		55°44
	18	Y		53°45
	19	B+W	9:44	52°04
	20	R		50°24

Remarks

CUT IN 2+00 N

Note
Inst on 300 foot Offset



Profile
Notes Red. Plotted Job No. 2412 Division No.
Notes Chkd. Checked Survey by Notes
No. Date Date Map No. Indexed Date
F.B. 1887 PG. 121

F.B. 1887 PG. 122 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile No. ____

Survey of Beach Erosion Studies Date ____ Date ____

Survey by E. H. B. Notes J S Notes Chkd. ____ Checked ____ X-Sec. No. ____

Indexed ____ Date 10/7/53 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.

2

CUT-IN 2400 N

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
[illegible]	S N-1	21	Y		4 [illegible]	
3000	[illegible]	* 22	B+W	[illegible]	[illegible]	
		23	R		4 [illegible]	
		24	Y		[illegible]	
		25	B+W	[illegible]	[illegible]	
		26	R		[illegible]	
		27	Y		[illegible]	
		28	B+W	[illegible]	[illegible]	
		29	R		[illegible]	
		30	Y		3 [illegible]	
		31	B+W	[illegible]	[illegible]	
		32	R		[illegible]	
		33	Y		[illegible]	
		43	[illegible]	[illegible]	[illegible]	

CUT-IN 2400 N

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		2+00 N
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1 BEW	9:25	33.0 / 30.8	31.5	5.5	26.0	1841	2141
2 R		31.8 / 29.3	30.1	5.5	24.6 / ~~23.6~~	1716	2016
3 Y		32.3 / 28.8	30.0	5.4	24.6	1632	1932
4 BEW	9:29	30.4 / 29.0	29.5	5.4	24.1	1568	1868
5 R		33.1 / 28.1	29.8	5.4	24.4	1507	1807
6 Y		30.0 / 28.0	28.7	5.4	23.3	1410	1710
7 BEW	9:32	30.0 / 27.0	28.0	5.4	22.6	1358	1658
8 R		29.2 / 27.7	28.2	5.4	22.8	1309	1609
9 Y		30.0 / 27.5	28.3	5.4	22.9	1241	1541
10 BEW	9:35	29.3 / 27.0	27.8	5.4	22.4 / ~~22.6~~	1205	1505
11 R		29.0 / 27.0	27.7	5.4	22.3	1139	1439
12 Y		29.0 / 27.0	27.7	5.4	22.3	1088	1388
13 BEW	9:39	28.3 / 26.7	27.2	5.3	21.9	1026	1326
14 R		27.0 / 25.2	25.8	5.3	20.5	960	1260
15 Y		29.0 / 26.0	27.0	5.3	21.7	989	1289
16 BEW	9:41	27.0 / 25.5	26.0	5.3	20.7	924	1224
17 R		26.5 / 25.5	25.8	5.3	20.5	877	1177
18 Y		25.7 / 24.0	24.6	5.3	19.3	818	1118
19 BEW	9:44	24.6 / 23.0	23.5	5.3	18.2	770	1070
20 R		24.3 / 22.8	23.3	5.3	18.0	725	1025

BOAT 2+00

Profile Notes Red CEM Plotted Job No. 8412 Division No.
Notes Checked Survey by
Date Checked Map No. Indexed Date
No. Date
No. Date

F.B. 1887 Pg. 128

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		2+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		23.7 22.2	22.7	5.3	17.4	691	991
22	B&W	9:47	23.2 20.9	21.7	5.3	16.4	649	949
23	R		20.2 19.3	19.6	5.3	14.3	625	925
24	Y		23.0 20.2	21.1	5.3	15.8	648	948
25	B&W	9:50	20.9 19.8	20.2	5.2	15.0	632	932
26	R		20.8 19.5	19.9	5.2	14.7	607	907
27	Y		21.0 17.9	18.9	5.2	13.7	568	868
28	B&W	9:52	19.6 17.0	17.9	5.2	12.7	543	843
29	R		19.0 16.3	17.2	5.2	12.0	522	822
30	Y		17.4 15.0	15.8	5.2	10.6	485	785
31	B&W	9:55	17.0 14.4	15.3	5.2	10.1	491	791
32	R		16.1 14.9	15.3	5.2	10.1	485	785
33	Y		17.7 14.2	15.4	5.2	10.2	484	784
34	B&W	9:56	17.3 13.3	14.6	5.2	9.4	472	772
35	R		16.6 13.5	14.5	5.2	9.3	470	770
36	Y		16.0 13.0	14.0	5.2	8.8	463	763
37	B&W	9:58	15.0 12.4	13.3	5.2	8.1	456	756
38	R		14.7 12.4	13.2	5.1	8.1	459	759
39	Y		14.9 12.7	13.4	5.1	8.3	455	755
40	B&W	10:00	13.9 12.0	12.6	5.1	7.5	446	746

Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. CEM Date 12/16/53 Notes Chkd. KK Date 1-11-54
Job No. 8412 Division No. Notes CEM 10/7/53 Date
Survey of Survey by Indexed
F.B. 1887 PG. 124

76L298 307 10-51

3

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	2+00 — N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
2+00	S-1B	41	R		90°00	
		42	Y		90°00	
		43	B+W	10:04	90°00	
		44	R		90°00	
		45	Y		90°00	
		46	B+W	10:06	90°00	
		47	R		90°00	
		48	Y		90°00	
		49	B+W	10:08	90°00	
		50	R		90°00	

RANGE 2+00 N

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

Notes Chkd ____ Checked ____ Survey by ____ Notes ____

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

F.B. ____ Pg. 125

76L298 307 10-51

PLEASE RETURN TO

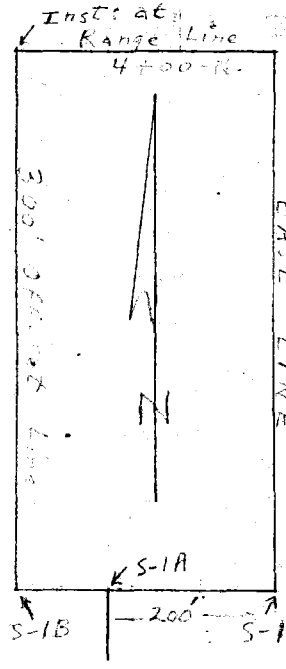
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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	4+00 - N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00	S-1B	1	B & W	10:25	[illegible]		
		2	R		[illegible]		
		3	Y		[illegible]		
		[illegible]	B & W	10:30	[illegible]		
		[illegible]	R		[illegible]		
		[illegible]	Y		[illegible]		
		7	B & W	10:32	[illegible]		
		[illegible]	R		[illegible]		
		[illegible]	Y		[illegible]		
		[illegible]	B & W	10:35	[illegible]		
		[illegible]	R		[illegible]		
		[illegible]	Y		[illegible]		
		13	B & W	10:37	[illegible]		
		[illegible]	R		[illegible]		
		15	Y		[illegible]		
		[illegible]	B & W	10:40	[illegible]		
		17	R		9 [illegible]		
		[illegible]	Y		9 [illegible]		
		[illegible]	B & W	10:42	[illegible]		
		[illegible]	R		[illegible]		

RANGE 4+00



F.B. 1287 PG. 126

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

Survey of BEACH UROSION STUDY Date Date X-Sec.

Survey by FHB Notes TM Notes Chkd. Checked No.

Indexed 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.

3

CUT IN 2+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00S	N-1	41	R		36°44		
		42	Y		36°43		
		43	B+W	10:03	35°47		
		44	R		36°16		
		45	Y		35°43		
		46	B+W	10:05	35°02		
		47	R		34°50		
		48	Y		35°14		
		49	B+W	10:07	34°46		
		50	R		30°36		

CUT IN 2+00 N

Profile Notes Red. ____ Plotted ____ Job No. 2010 Division No. ____ F.B. 4587 Pg. 127

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

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

F.B. 1887 Pg. 128 Job No. 8412 Division No. 1 Notes Red. ______ Plotted ______ Profile No. ______
Survey of Beach Erosion Studies Date ______ Date ______
Survey by F H B Notes J S Notes Chkd. ______ Checked ______ X-Sec.
Indexed ______ Date 10/7/53 Date ______ Date ______ No. ______

76L298 307 10-51

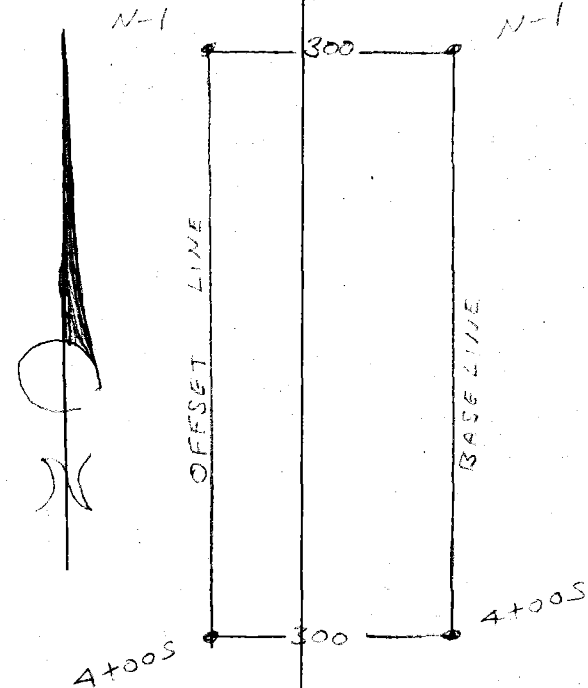
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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.	Remarks
Inst. At	Sight On	#	Color	Time	Hor. Ang.	
4+00 S	N-1	* 1	B+W	10:24	[illegible]	
300 Off	300 Off	2	Y		6 45	
CUT-IN 4+00 N		3	Y		[illegible]	
		4	B+W	10:28	[illegible]	
		* 5	R		[illegible]	
		6	Y		[illegible]	
		7	B+W	10:30	[illegible]	
		8	R		[illegible]	
		9	Y		[illegible]	
		10	B+W	10:33	[illegible]	
		11	R		[illegible]	
		12	Y		[illegible]	
		13	B+W	10:36	[illegible]	
		14	R		[illegible]	
		15	Y		[illegible]	
		16	B+W	[illegible]	[illegible]	
		17	R		[illegible]	
		18	Y		4 9	
		19	B+W	10:40	4 6	
		20	R		4 7	

4
CUT IN 4+00 N



INST. ON 300 ft offset

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		+0
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R		14.1 12.0	12.7	5.1	7.6	448	748
42	Y		14.1 11.7	12.5	5.1	7.4	447	747
43	B & W	10:02	12.9 11.1	11.7	5.1	6.6	432	732
44	R		14.1 12.0	12.7	5.1	7.6	440	740
45	Y		13.1 11.0	11.7	5.1	6.6	431	731
46	B & W	10:04	12.0 9.7	10.5	5.1	5.4	421	721
47	R		12.5 10.0	10.8	5.1	5.7	418	718
48	Y		12.8 10.0	10.9	5.1	5.8	424	724
49	B & W	10:06	12.0 10.0	10.7	5.1	5.6	416	716
50	R		9.0 6.0	7.0	5.1	1.9	355	655

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

F. B. 1887 Pg. 129

No. Date 1-11-57 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.

[illegible]ON		[illegible] S.	H. I.	F. S.	ELEV.	BOAT		4+00 N
Color	Time	Depth	Bottom	Tide	Adj.	Depth	Remarks	
1	B&W	10:23	32.1 31.0	31.4	4.8	26.6	1937	2237
2	R		31.1 29.0	29.7	4.8	24.9	1776	2076
3	Y		30.4 28.0	28.8	4.8	24.0	1630	1930
4	[illegible]W	10:27	30.1 28.0	28.7	4.8	23.9	1503	1803
5	R		28.2 26.1	26.8	4.8	22.0	1367	1667
6	Y		29.1 27.7	28.2	4.8	23.4	1464	1764
7	B&W	10:30	28.5 27.3	27.7	4.7	23.0	1420	1720
8	R		29.1 26.9	27.6	4.7	22.9	1369	1669
9	Y		28.3 27.0	27.4	4.7	22.7	1317	1617
10	B&W	10:33	28.3 26.9	27.4	4.7	22.7	1237	1537
11	R		28.1 26.5	27.0	4.7	22.3	1207 Extremely soft	1507 bottom
12	Y		27.6 25.5	26.2	4.7	21.5	1103	1403
13	B&W	10:35	27.2 25.7	26.2	4.7	21.5	1048	1348
14	R		26.6 25.0	25.5	4.7	20.8	988	1288
15	Y		26.4 24.6	25.2	4.6	20.6	894	1194
16	B&W	10:37	24.9 24.0	24.3	4.6	19.7	855	1155
17	R		24.1 23.0	23.4	4.6	18.8	812	1112
18	Y		25.1 21.9	23.0	4.6	18.4	754	1054
19	B&W	10:40	22.2 19.6	20.5	4.6	15.9	693	993
20	R		23.1 21.7	22.2	4.6	17.6	753	1053

F. B. 1887 Pg. 30

Job No. 8412 Division No. ____ Notes Red. CEM Date 12/16/53 Plotted ____ Date ____ Profile ____ No. ____

Survey of ____ Notes CEM 10/7/53 Notes Chkd. ____ Checked ____ X-Sec. ____

Survey by ____ Date ____ Date ____ Date ____ No. ____

Indexed ____

76L298 307 10-51

5

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	4+00 — N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00	S-1B	21	Y		90°00		
		22	B & W	10:45	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B & W	10:48	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B & W	10:49	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B & W	10:50	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B & W	10:51	90°00		
		35	R		90°14		
		36	Y		90°00		
		37	B & W	10:53	90°00		
		38	R		90°00		
		39	Y		90°00		

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

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

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

F.B. ____ Pg. 181

76L298 307 10-51

PLEASE RETURN TO

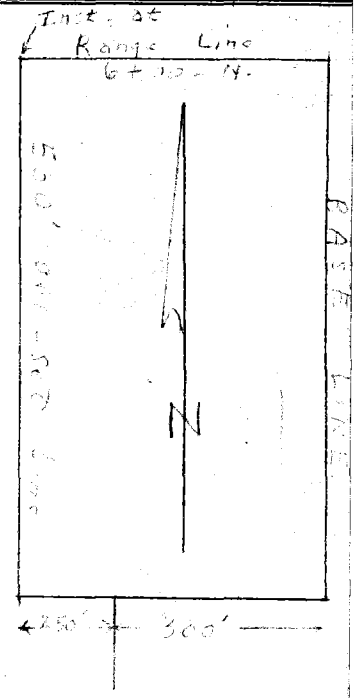
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

6

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	6+00 - N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
6+00	4+00 550' off-set	1	B & W	11:1[illegible]	[illegible]		
RANGE 6+00		2	R		[illegible]		
		3	Y		[illegible]		
		4	B & W	11:19	[illegible]		
		5	R		[illegible]		
		6	Y		[illegible]		
		7	B & W	11:21	[illegible]		
		8	R		[illegible]		
		9	Y		[illegible]		
		10	B & W	11:25	[illegible]		
		11	R		[illegible]		
		12	Y		[illegible]		
		13	B & W	11:26	[illegible]		
		14	R		[illegible]		
		15	Y		[illegible]		
		16	B & W	11:29	[illegible]		
		17	R		[illegible]		
		18	Y		[illegible]		
		19	B & W	11:32	[illegible]		
		20	R		[illegible]		



F.B. 1887 PG. 132

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

Survey of BEACH EROSION STUDY Date Date X-Sec.

Survey by FHB Notes TM Notes Chkd. Checked No.

Indexed 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.

5

CUT IN 4+00 N

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00S	N-1	21	/		42°[illegible]		
3000	3000	22	B+W	[illegible]	[illegible]		
		23	R		40°[illegible]		
		24	/		38°[illegible]		
		25	B+W	10:43	37°[illegible]		
		26	R		37°[illegible]		
		27	/		[illegible]		
		28	B+W	10:48	[illegible]		
		29	R		34°[illegible]		
		30	Y		33°35		
		31	B+W	10:50	33°[illegible]		
		32	R		32°[illegible]		
		33	Y		31°34		
		34	B+W	[illegible]	[illegible]		
		* 35	R		[illegible]		
		36	Y		29°[illegible]		
		37	B+W	10:52	29°[illegible]		
		38	R		28°[illegible]		
		39	Y		29°19		

CUT-IN 4+00 N

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

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

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

F.B. 1887 PG. 134 Job No. 8912 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date 10/7/53 Date _____ Date _____ No. _____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY

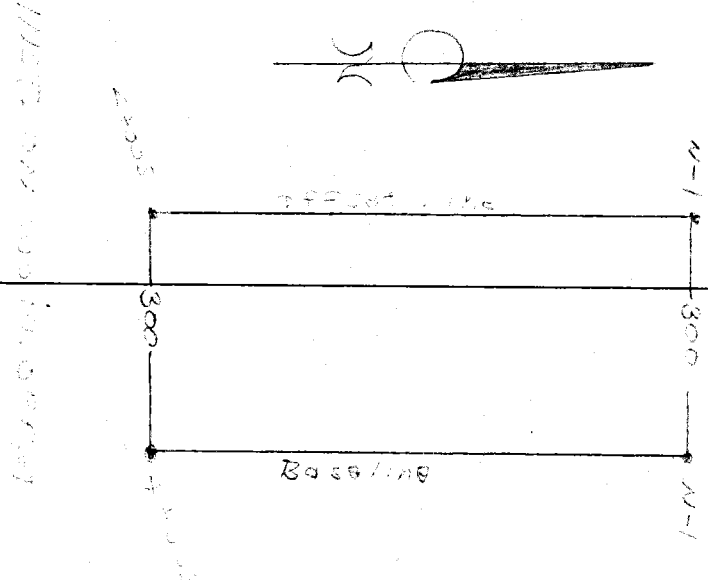
ENGINEERING BLDG.

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.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
4+00S N-1	1	[illegible]	11:[illegible]	[illegible]	
[illegible]	2	[illegible]		[illegible]	
	3	[illegible]		[illegible]	
	4	[illegible]	11:18	[illegible]	
	5	[illegible]		[illegible]	
	6	[illegible]		[illegible]	
	7	[illegible]		[illegible]	
	8	[illegible]		[illegible]	
	9	[illegible]		[illegible]	
	10	[illegible]		[illegible]	
	11	[illegible]		[illegible]	
	12	[illegible]		[illegible]	
	13	[illegible]		[illegible]	
	14	[illegible]		[illegible]	
	15	[illegible]		[illegible]	
	16	[illegible]		[illegible]	
	17	[illegible]		[illegible]	
	18	[illegible]		[illegible]	
	19	[illegible]		[illegible]	
	20	[illegible]		[illegible]	

CUT-IN GROUND



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		4+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		23.0 22.0	22.3	4.5	17.8	734	1034
22	B&W	10:44	22.9 21.0	21.6	4.5	17.1	712	1012
23	R		20.9 19.5	20.0	4.5	15.5	672	972
24	Y		20.6 18.1	18.9	4.5	14.4	644	944
25	B&W	10:46	20.6 17.1	18.3	4.5	13.8	616	916
26	R		19.0 17.5	18.0	4.5	13.5	612	912
27	Y		19.0 16.4	17.3	4.5	12.8	598	898
28	B&W	10:47	18.4 15.7	16.6	4.5	12.1	563	863
29	R		17.1 15.0	15.7	4.5	11.2	545	845
30	Y		17.1 14.9	15.6	4.4	11.2	531	831
31	B&W	10:49	16.6 13.5	14.5	4.4	10.1	520	820
32	R		15.9 13.0	14.0	4.4	9.6	506	806
33	Y		14.6 13.0	13.5	4.4	9.1	492	792
34	B&W	10:51	13.2 11.9	12.3	4.4	7.9	475	775
35	R		12.6 10.6	11.3	4.4	6.9	464	764
36	Y		12.7 10.5	11.2	4.4	6.8	458	758
37	B&W	10:52	11.5 9.0	9.8	4.4	5.4	445	745
38	R		10.4 8.8	9.3	4.4	4.9	441	741
39	Y		12.1 9.3	10.2	4.4	5.8	449	749

Profile Notes Red CEM Plotted Job No. 8412 Division No.
Notes Chkd Checked Survey by Notes
No. Date 1-11-54 Date Map No. Indexed Date
F.B. 1887 PG. 135

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. X-Sec. No.

Plotted Date Checked Date

Notes Red CEM Date 12/16/53 Notes Chkd. Date

Division No. Job No. 8412 Notes CEM 10/7/53 Date

F.B. 1887 PG. 136

Survey of
Survey by
Indexed

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		6+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	11:14	30.0 29.0 28.5	29.3	4.0	25.3	1937	2237
2	R		27.4 30.3	27.8	3.9	23.9	1720	2020
3	Y		26.6 29.4	27.8	3.9	23.9	1655	1955
4	B&W	11:17	26.6 28.9	27.5	3.9	23.6	1584	1884
5	R		27.0 28.6	27.6	3.9	23.7	1547	1847
6	Y		26.8 28.4	27.4	3.9	23.5	1498	1798
7	B&W	11:20	26.6 27.0	27.2	3.9	23.3	1464	1764
8	R		25.7 27.5	26.1	3.8	22.3	1453	1753
9	Y		26.5 27.4	26.8	3.8	23.0	1369	1669
10	B&W	11:22	25.9 28.1	26.4	3.8	22.6	1336	1636
11	R		25.0 27.9	26.0	3.8	22.2	1283	1583
12	Y		25.0 26.9	26.0	3.8	22.2	1235	1535
13	B&W	11:25	24.0 25.2	25.0	3.8	21.2	1188	1488
14	R		24.3 26.9	24.6	3.8	20.8	1151	1451
15	Y		24.8 26.8	25.5	3.7	21.8	1116	1416
16	B&W	11:27	23.3 25.7	24.5	3.7	20.8	1054	1354
17	R		24.0 25.8	24.6	3.7	20.9	1039	1339
18	Y		23.9 25.0	24.5	3.7	20.8	1011	1311
19	B&W	11:30	24.0 25.1	24.3	3.7	20.6	984	1284
20	R		23.6	24.1	3.7	20.4	954	1254

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	6+00 – N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
6+00	4+00 550' Off-set	21	Y		90°00		
		22	B & W	11:34	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B & W	11:35	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B & W	11:37	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B & W	11:39	89°54		
		32	R		90°00		
		33	Y		90°00		
		34	B & W	11:40	90°00		
		35	R		90°00		
		36	Y		90°33		
		37	B & W	11:42	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B & W	11:43	90°00		

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

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

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

F.B. ____ PG. 137

F.B. 1887 Pg. 138 Job No. 842 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

RANGE 6100N

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At OR	#	Color	Time	Hor. Ang.	
6100					

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.

7

CUT IN 6+00 N

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
4+00S	N-1	21	Y		43°01		
300 OFF	300 OFF	22	B&W	11:32	42°[illegible]		
		23	R		42°28		
		24	Y		42°12		
		25	B&W	11:34	4[illegible]°[illegible]		
		26	R		41°46		
		27	Y		41°[illegible]		
		28	B&W	11:36	41°[illegible]		
		29	R		40°42		
		30	Y		40°04		
		* 31	B&W	11:37	39°[illegible]		
		32	R		39°34		
		33	Y		39°00		
		34	B&W	11:[illegible]	38°[illegible]		
		35	R		38°05		
		* 36	Y		37°57		
		37	B&W	11:40	37°16		
		38	R		36°33		
		39	Y		35°56		
		40	B&W	11:42	35°10		

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

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

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

F.B. [illegible] PG. 139

F.B. 1887 PG. 140 Job No. 8912 Division No. Notes Red. Plotted Profile

Survey of Bezch Erosion Studies Date Date No.

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

Indexed Date 10/7/53 Date Date No.

CUT-IN 6+00N

STATION	B.S.	H.I.	F.S.	ELEV.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
4+00S 11-1						

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.

8

CUT-IN 6+00N

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		6+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		26.7 23.4	24.5	3.7	20.8	933	1233
22	B&W	11:32	25.3 23.4	24.0	3.6	20.4	914	1214
23	R		24.0 22.5	23.0	3.6	19.4	915	1215
24	Y		24.4 23.6	23.9	3.6	20.3	907	1207
25	B&W	11:33	25.1 22.7	23.5	3.6	19.9	906	1206
26	R		25.2 22.9	23.7	3.6	20.1	893	1193
27	Y		23.8 22.1	22.7	3.6	19.1	879	1179
28	B&W	11:35	24.3 22.4	23.0	3.6	19.4	870	1170
29	R		23.8 21.6	22.3	3.6	18.7	860	1160
30	Y		24.1 21.9	22.6	3.6	19.0	841	1141
31	B&W	11:37	23.3 22.1	22.5	3.5	19.0	834	1134
32	R		23.6 21.7	22.3	3.5	18.8	826	1126
33	Y		23.6 21.4	22.1	3.5	18.6	810	1110
34	B&W	11:38	22.9 21.1	21.7	3.5	18.2	794	1094
35	R		22.3 21.1	21.5	3.5	18.0	784	1084
36	Y		22.3 20.5	21.1	3.5	17.6	784	1084
37	B&W	11:40	21.4 20.1	20.5	3.5	17.0	761	1061
38	R		23.9 19.0	20.6	3.5	17.1	741	1041
39	Y		21.6 18.5	19.5	3.5	16.0	725	1025
40	B&W	11:42	20.7 17.3	18.4	3.5	14.9	705	1005

Profile

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

Notes Chkd. Checked Survey by Notes Date

No. Date 1-11-54 Date Map No. Indexed Date

F.B. 1887 PG. 141

F.B. 1887 PG. 42 Job No. 8412 Division No. _____ Notes Red. CEM Plotted _____ Profile

Survey of _____ Date 12/16/53 Date _____ No. _____

Survey by _____ Notes CEM 10/7/53 Notes Chkd. EE Checked _____ X-Sec.

Indexed _____ Date _____ Date 1-11-54 Date _____ No. _____

BOAT 6+00 N

STATION	B.S.	H.I.	F.S.	ELEV.	BOAT	6+00N
# Color Time		Meas. Depth	Bottom Tide	Adj. Depth		Remarks
41 R		19.4 16.5	17.5	3.5	14.0	681 981

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

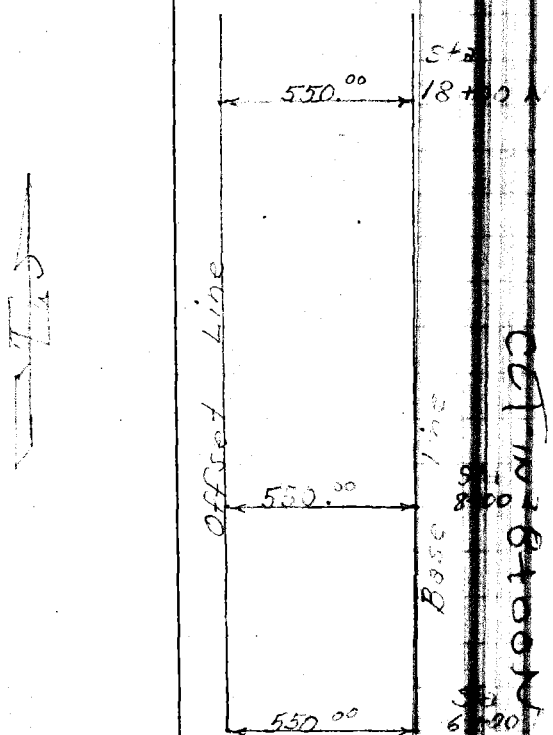
LOS ANGELES COUNTY SURVEYOR

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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	CUT IN 8+00 N 550' Offset
18+00 N	6+00 N Grain 550 Offset	1	B & W	12:01	57° 58'		
		—	R		54° 45'		
		3	Y		55° 11'		
		4	B & W	12:04	53° 08'		
		5	R		50° 50'		
		6	Y		47° 21'		
		7	B & W	12:07	45° 18'		
		8	R		42° 10'		
		9	Y		40° 02'		
		10	B & W	12:09	37° 53'		
		11	R		36° 01'		
		12	Y		33° 12'		
		13	B & W	12:12	31° 05'		
		14	R		28° 30'		
		15	Y		26° 51'		
		16	B & W	12:14	25° 36'		
		17	R		25° 15'		
		18	Y		24° 14'		
		19	B & W	12:15	24° 02'		
		20	R		23° 38'		



CUT IN 8+00 N

Profile No. ____ Date ____ Job No. ____ Division No. ____ F.B. ____ Pg. 145

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

Date ____ Map No. ____ Indexed ____ Date ____

76L298 307 10-51

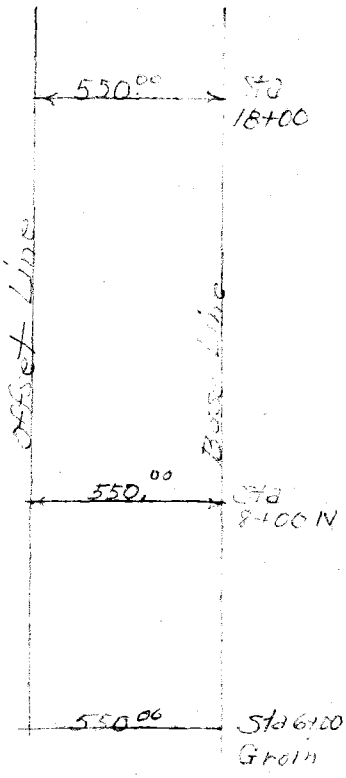
PLEASE RETURN TO

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.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	CUT-IN 8+00N 550' offset
18+00N	Groin 6+00	21	Y		[illegible] 24'		
CUT-IN 8+00N		22	B & W	12:16	[illegible] 56'		
		23	R		[illegible] 13'		
		24	Y		[illegible]		
		25	B & W	12:18	2[illegible] 06'		
		26	R		[illegible] 48'		
		27	Y		[illegible] 12'		
		28	B & W	12°19'	18 39'		
		29	R		18° 42'		
		30	Y		[illegible] 24'		
		31	B & W	12:20	1[illegible] 07'		



F.B. 1887 PG. 146 Job No. 8412 Division No. 1 Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by F H B Notes 18 Notes Chkd. Checked
Indexed Date 10/7/53 Date Date No.

76L298 307 10-51

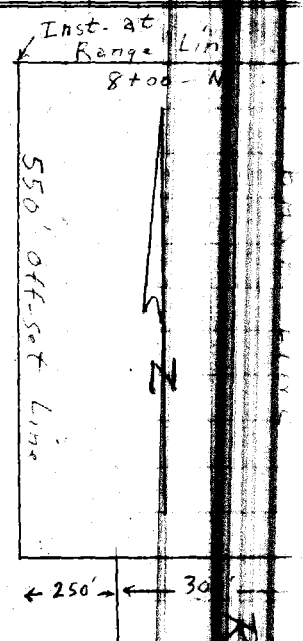
PLEASE RETURN TO

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.	RANGE	8+00 - N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
8+00	6+00 550' off-set	1	B & W	12:02	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B & W	12:05	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B & W	12:08	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	12:11	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	12:14	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	12:15	90°00		
		17	R		90°00		
		18	Y				
		19	B & W	12:17	90°00		
		20	R		R		



Range Base N

Profile No. ____ Date ____ Plotted ____ Job No. ____ Division No. ____

X-Sec. No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by ____ Map No. ____ Notes ____ Date ____ Indexed ____ Date ____

F.B. [illegible] PG. 143

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. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
8+00	8+00 550' off. set	21	Y				
RANGE 8+00N		22	B & W	[illegible]	[illegible]		
		25	R		[illegible]		
		[illegible]	Y		[illegible]		
		[illegible]	B & W	12:[illegible]	[illegible]		
		26	R		[illegible]		
		27	Y		[illegible]		
		28	B & W	12:[illegible]	[illegible]		
		[illegible]	R				
		[illegible]	Y		70°00		
		31	B & W	12:[illegible]	[illegible]		

F.B. 1887 PG. 142 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 Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		8+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	12:00	29.1 27.0	27.7	3.1	24.6	1598	2148
2	R		28.0 25.0	26.0	3.1	22.9	1415	1965
3	Y		28.5 26.0	26.8	3.1	23.7	1440	1990
4	B&W	12:03	27.3 26.0	26.4	3.1	23.3	1333	1883
5	R		26.6 25.7	26.0	3.1	22.9	1228	1778
6	Y		26.0 24.9	25.3	3.0	22.3	1085	1635
7	B&W	12:06	26.6 24.4	25.1	3.0	22.1	1011	1561
8	R		25.0 23.9	24.3	3.0	21.3	905	1455
9	Y		26.1 23.5	24.4	3.0	21.4	840	1390
10	B&W	12:09	24.1 23.0	23.4	3.0	20.4	778	1328
11	R		24.1 22.1	22.8	3.0	19.8	727	1277
12	Y		23.9 22.5	23.0	2.9	20.1	654	1204
13	B&W	12:11	23.1 21.0	21.7	2.9	18.8	603	1153
14	R		22.0 20.0	20.7	2.9	17.8	543	1093
15	Y		21.2 19.3	19.9	2.9	17.0	506	1056
16	B&W	12:13	21.1 18.9	19.6	2.9	16.7	479	1029
17	R		20.9 18.4	19.2	2.9	16.3	472	1022
18	Y		19.9 17.5	18.3	2.9	15.4	450	1000
19	B&W	12:15	19.5 16.8	17.7	2.9	14.8	446	996
20	R		18.0 16.1	16.7	2.9	13.8	438	958

Profile Notes Red CEM Plotted Job No. Division No.

X-Sec. Notes Chkd. Checked Survey by Notes CEM Date 10/7/55

No. Date 1-11-54 Date Map No. Date

F.B. 1887 PG. 149

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		8+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		18.8 14.9	16.2	2.9	13.3	412	962
22	B&W	12:16	17.3 14.7	15.6	2.9	12.7	403	953
23	R		16.0 13.9	14.6	2.9	11.7	388	938
24	Y		15.7 13.5	14.2	2.8	11.4	386	936
25	B&W	12:17	16.0 14.5	15.0	2.8	12.2	366	916
26	R		15.0 13.9	14.3	2.8	11.5	360	910
27	Y		16.8 12.9	14.2	2.8	11.4	348	898
28	B&W	12:18	15.3 13.0	13.8	2.8	11.0	344	894
29	R		14.9 13.3	13.8	2.8	11.0	338	888
30	Y		14.6 12.0	12.9	2.8	10.1	333	883
31	B&W	12:20	14.2 11.5	12.4	2.8	9.6	308	858

BOAT 8+00 N

F.B. 1887 PG. 1-4 Job No. 8412 Division No. Notes Red. CEM Plotted Profile
Survey of Beach Erosion Study Date 12/16/53 Date No. X-Sec.
Survey by Notes CEM 10/7/53 Notes Chkd. Checked
Indexed Date Date 1-11-53 Date No.

76L298 307 10-51

PLEASE RETURN TO

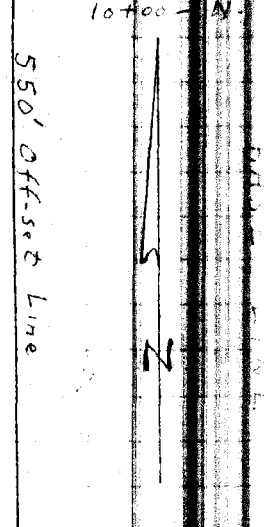
LOS ANGELES COUNTY SURVEYOR

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.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	10+00 – N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
10+00	8+00 550' off-set	1	B & W	12:34	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B & W	12:38	90°00		
		5	R		90°00		
		6	Y		89°45		
		7	B & W	12:38	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B & W	12:44	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B & W	12:46	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B & W	12:49	90°25		
		17	R		90°00		
		18	Y		90°00		
		19	B & W	12:51	90°00		
		20	R		90°00		



Inst. at Range Line 10+00 – N

550' Off-set Line

N

RANGE 10+00 N

Profile Notes Red Plotted Job No. Division No.

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

No. Date Date Map No. Indexed Date

F.B. PG. 149

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

12

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	10+00 - N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
10+00	8+00 550' off-set	21	Y		[illegible]°00		
RANGE 10+00 N		22	B & W	1:00	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B & W	1:03	[illegible]°00		
		26	R		[illegible]00		
		27	Y		[illegible]00		
		28	B & W	1:04	[illegible]00		
		29	R		[illegible]00		
		30	Y		[illegible]00		
		31	B & W	1:05	[illegible]		
		32	R		[illegible]		
		33	Y		[illegible]		
		34	B & W	1:06	[illegible]		

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

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

Survey of BEACH EROSION STUDY
Survey by FHB Notes TM (10/7/53)
Indexed ____ Date ____

F.B. 1887 PG. 160

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

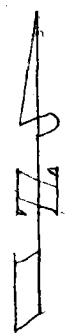
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

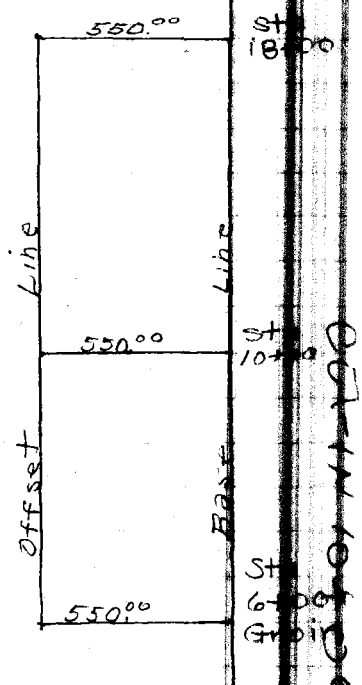
Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
Inst. Sight At	On	# Color	Time	Hor. Ang.
18+00N	6+00N 550' Offset	1 B & W	12:32	62° 02'
		2 R		63° 00'
		3 Y		60° 27'
		4 B & W	12:36	59° 28'
		5 R		58° 18'
		* 6 Y		57° 11'
		7 B & W	12:38	56° 08'
		8 R		53 50
		9 Y		49° 49'
		10 B & W	12:42	48° 33'
		11 R		47° 38'
		12 Y		46° 23'
		13 B & W	12:45	44° 00'
		14 R		41° 10'
		15 Y		38° 34'
		* 16 B & W	12:47	36° 18'
		17 R		35° 33'
		18 Y		34° 03'
		19 B & W	12:50	32° 28'
		20 R		31° 06'

Remarks

CUT IN 10+00 N





INST. ON 550 FT OFFSET

Profile Notes Red Plotted Job No. Division No.

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

No. Date Date Map No. Indexed Date

F.B. PG. 151

F.B. 1887 PG. 152 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 _____ Date 12/7/53 Date _____ Date _____ No. _____

76L299 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 At	#	Color	Time	Hor. Ang.	Remarks
										CUT-IN 10+00N
										CUT-IN 10100N

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		10+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	12:32	28.0 26.0	26.7	2.6	24.1	1506	2056
2	R		27.7 26.8	27.1	2.5	24.6	1538	2088
3	Y		27.0 25.4	25.9	2.5	23.4	1411	1961
4	B&W	12:35	26.9 25.0	25.6	2.5	23.1	1356	1906
5	R		27.0 24.1	25.1	2.5	22.6	1295	1845
6	Y		26.6 24.0	24.9	2.5	22.4	1248	1798
7	B&W	12:39	26.1 24.0	24.7	2.4	22.3	1192	1742
8	R		26.0 24.4	24.9	2.4	22.5	1094	1644
9	Y		24.7 23.5	23.9	2.4	21.5	947	1497
10	B&W	12:42	25.4 22.5	23.5	2.4	21.1	906	1456
11	R		24.7 22.4	23.2	2.4	20.8	877	1427
12	Y		24.6 22.1	22.9	2.4	20.5	840	1390
13	B&W	12:45	23.1 22.0	22.4	2.3	20.1	773	1323
14	R		23.9 21.5	22.3	2.3	20.0	700	1250
15	Y		22.4 21.1	21.5	2.3	19.2	638	1188
16	B&W	12:47	22.6 20.1	20.9	2.3	18.6	584	1134
17	R		22.2 20.6	21.1	2.3	18.8	572	1122
18	Y		21.8 19.2	20.1	2.3	17.8	541	1091
19	B&W	12:49	19.9 19.1	19.4	2.3	17.1	509	1059
20	R		19.7 18.1	18.6	2.3	16.3	483	1033

Profile Notes Red CEM Plotted Job No. Division No.

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

No. Date Date Map No. Indexed Date

F.B. 1887 Pg. 158

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		10+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		21.4 17.5	18.8	2.2	16.6	468	1018
22	B&W	12:59	18.0 16.2	16.8	2.1	14.7	432	982
23	R		16.5 14.5	15.2	2.1	13.1	424	974
24	Y		16.7 13.5	14.6	2.1	12.5	411	961
25	B&W	1:01	15.9 13.5	14.3	2.0	12.3	378	928
26	R		14.1 12.9	13.3	2.0	11.3	384	934
27	Y		14.1 13.0	13.4	2.0	11.4	365	915
28	B&W	1:02	15.0 12.5	13.3	2.0	11.3	357	907
29	R		14.0 12.0	12.7	2.0	10.7	354	904
30	Y		13.6 11.0	11.9	2.0	9.9	344	894
31	B&W	1:03	13.0 10.8	11.5	2.0	9.5	339	889
32	R		11.8 10.0	10.6	2.0	8.6	323	873
33	Y		12.0 9.9	10.6	2.0	8.6	308	858
34	B&W	1:04	12.0 9.3	10.2	2.0	8.2	300	850

F.B. 1887 PG. 154 Job No. Division No. Notes Red. CEM Plotted Profile
Survey of Date 12/16/53 Date No.
Survey by Notes CEM 10/7/53 Notes Chkd. Checked X-Sec.
Indexed Date Date No.

76L298 307 10-51

PLEASE RETURN TO

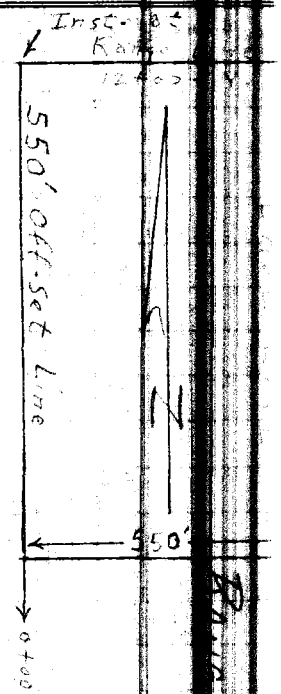
LOS ANGELES COUNTY SURVEYOR

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	12+00 - N.
Inst. Sight On	#	Color	Time	Hor. Ang.	Remarks	
12+00 10+00 or 550' off-set	1	B & W	7:22	90°00		
	2	R		90°00		
	3	Y		90°05		
	4	B & W	7:25	90°00		
	5	R		90°06		
	6	Y		89°51		
	7	B & W	7:28	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	7:31	90°00		
	11	R		89°31		
	12	Y		90°00		
	13	B & W	7:33	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	7:35	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	7:39	90°00		
	20	R		90°00		



Range 12+00 N

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. PG. 1/7

F.B.: 1227 PG/56 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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	12+00-N.
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
12+00 10+00 550' off st	21	Y				
	22	B+W	7:42			
	23	R				
	24	Y				
	25	B+W	7:44			
	26	R				
	27	Y				
	28	B+W	7:47			
	29	R				
	30	Y				
	31	B+W	7:51			
	32	R				
	33	Y				
	34	B+W	7:53			
	35	R				
	36	Y				
	37	B+W	7:58			
	38	R				
	39	Y				
	40	B+W	8:01			

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

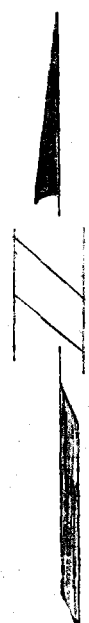
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

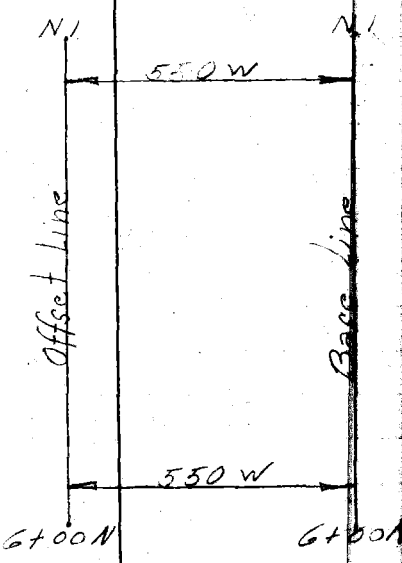
Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
	#		time	Hor. Ame
6+00N N1				
5+00ft 550ft	1	B/W	7 22	71° 30
	2	R		70° 18
	3	Y		68° 11
	4	B/W	7 23	63° 22
	5	R		[illegible]
	* 6	Y		[illegible]
	7	B/W	7 [illegible]	57° 55
	8	R		54° 20
	9	Y		52° 1
	10	B/W	7 31	47° 30
	* 11	R		[illegible]
	12	Y		[illegible]
	13	B/W	7 33	[illegible]
	14	R		[illegible]
	15	Y		37° 19
	16	B/W	7 35	40° 18
	17	R		42° 55
	18	Y		40° 57
	19	B/W	7 39	37° 20
	20	R		33° 56

CUTIN 12+00



Note!
Inst on 550 foot offset



CUT-IN 12+00 N

Profile Notes Red. Plotted Job No. Division No.
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed Date
F.B. PG. 157

F.B. 1887 PG. 158 | 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 | Date 10/7/53 | 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.

2

CUT-IN 12400?

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
CUT-IN 12+00N?	N1	21	Y		[illegible]		
		22	B/W	7 5?	[illegible]		
		23	R		[illegible]		
		24	Y		[illegible]		
		25	B/W	[illegible]	[illegible]		
		26	R		[illegible]		
		27	Y		[illegible]		
		28	B/W	[illegible]	[illegible]		
		29	R		[illegible]		
		30	Y		2 29		
		31	B/W	7 51	2 51		
		32	R		[illegible]		
		33	Y		2 1		
		34	B/W	7 5?	[illegible]		
		35	R		19 11		
		36	Y		20 43		
		* 37	B/W	7 53	2 ?7		
		38	R		1 26		
		* 39	Y		2 54		
		40	B/W	8 01	15 5		

76L298 307 8-53

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		12+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	7:21	32.2 30.3	30.9	5.3	25.6	1793	2343
2	R		32.0 30.5	31.0	5.3	25.7	1676	2226
3	Y		30.9 29.4	29.9	5.3	24.6	1499	2049
4	B&W	7:25	30.1 28.0	28.7	5.4	23.3	1308	1858
5	R		30.1 27.0	28.0	5.4	22.6	1187	1737
6	Y		29.8 26.9	27.9	5.4	22.5	1063	1613
7	B&W	7:28	28.3 26.4	27.0	5.4	21.6	957	1507
8	R		28.3 25.0	26.1	5.4	20.7	836	1386
9	Y		27.0 25.2	25.8	5.4	20.4	782	1332
10	B&W	7:30	26.9 25.0	25.6	5.4	20.2	655	1205
11	R		24.8 23.0	23.6	5.4	18.2	556	1106
12	Y		25.8 23.2	24.1	5.4	18.7	587	1137
13	B&W	7:33	25.9 24.0	24.6	5.4	19.2	646	1196
14	R		24.1 23.1	23.4	5.4	18.0	530	1080
15	Y		22.3 20.2	20.9	5.4	15.5	457	1007
16	B&W	7:35	25.0? 21.3	22.5?	5.5	17.0?	509	1059
17	R		26.0 23.0	24.0	5.5	18.5	558	1108
18	Y		25.0 22.0	23.0	5.5	17.5	521	1071
19	B&W	7:39	22.6 20.0	20.9	5.5	15.4	458	1008
20	R		21.7 18.8	19.8	5.5	14.3	404	954

BOAT 12+00N

Profile No. Notes Red. Plotted Job No. 8412 Division No.
X-Sec. No. Notes Chkd. Checked Survey By
Date 1-11-54 Date Map No. Indexed Date
F. B. 1887 Pg. 159

76L298 307 8-53

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		12+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		21.2 18.5	19.4	5.5	13.9	393	943
22	B&W	7:42	20.9 17.8	18.8	5.5	13.3	366	916
23	R		17.8 17.0	17.3	5.5	11.8	334	884
24	Y		18.9 16.0	17.0	5.5	11.5	334	884
25	B&W	7:44	16.6 14.5	15.2	5.5	9.7	301	851
26	R		17.3 15.2	15.9	5.5	10.4	316	866
27	Y		17.1 15.0	15.7	5.5	10.2	287	837
28	B&W	7:47	15.0 13.7	14.1	5.5	8.6	257	807
29	R		14.4 11.9	12.7	5.5	7.2	247	797
30	Y		14.5 13.2	13.6	5.6	8.0	261	811
31	B&W	7:51	14.1 11.9	12.6	5.6	7.0	241	791
32	R		14.2 11.5	12.4	5.6	6.8	240	790
33	Y		13.1 11.4	12.0	5.6	6.4	236	786
34	B&W	7:53	14.5 9.4	11.1	5.6	5.5	210	760
35	R		12.2 .7		5.6		215	765
36	Y		13.4 11.1	11.9	5.6	6.3	227 Waves	777 confusing
37	B&W	7:58	12.4 11.0	11.5	5.6	5.9	219	769
38	R		12.3 11.0	11.4	5.6	5.8	218	768
39	Y		14.3 12.0	12.8	5.6	7.2	252	802
40	B&W	8:01	8.1 7.0	7.4	5.6	1.8	164	712

F. B. 1887 PG. 160 Job No. 8412 Division No. Notes Red. CEM Plotted No. Profile
Survey of Beach Erosion Study Date 12/16/53 Date X-Sec.
Survey by Blanchard Notes CEM 10/8/53 Notes Chkd. Checked
Indexed Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

3

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	12+00-N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
12+00	[illegible]	41	K		90°00		
		42	Y		90°00		

Profile Notes Red Plotted Job No. Division No.
X-Sec. Date Date
No. Notes Chkd. Checked Survey by [illegible] Notes [illegible] Date
Date Date Map No. Indexed Date

F.B. 1067 PG. 161

F.B. 1887 PG/62 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by FHB Notes TM (10/8/53) 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.

Do not extend notes this side of this line.

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

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. At 14+00	Sight On 12+00 on 550' off-set	#	Color	Time	Hor. Ang.
		1	B+W	9:26	000
		2	R		1000
		3	Y		500
		4	B+W	9:30	1500
		5	R		00
		6	Y		00
		7	B+W	9:33	00
		8	R		00
		9	Y		00
		10	B+W	9:36	00
		11	R		00
		12	Y		00
		13	B+W	9:38	00
		14	R		00
		15	Y		00
		16	B+W	9:40	00
		17	R		00
		18	Y		00
		19	B+W	9:43	00
		20	R		00

RANGE 14+00 N

RANGE 14+00-N.

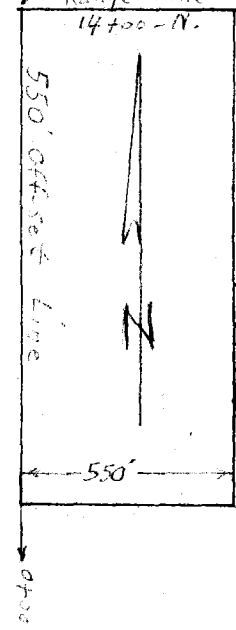
Inst. at Range Line 14+00-N.

550' Off-set Line

550'

N

BASE 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 12+00
600N 111	#					
	41	R		19° 39		
	42	Y		20° 39		

Profile Notes Red Plotted Job No. Division No.

X-Sec. Date Date

No. Notes Chkd. Checked Survey by Notes Date

Date Date Map No. Indexed Date

F.B. PG. 62

76L298 307 10-51

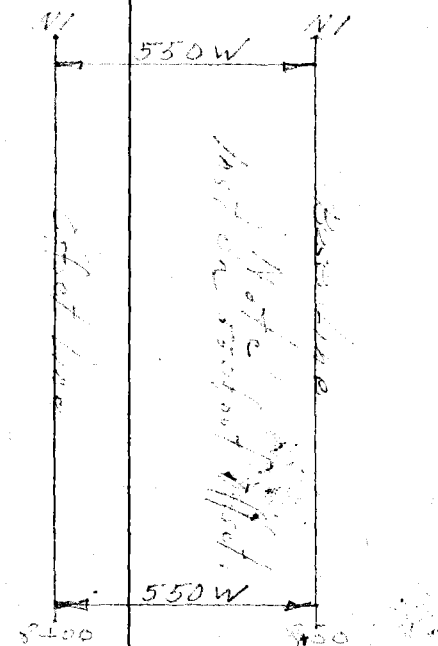
PLEASE RETURN TO

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
800	N1	1	B/W	9 26	7	11	
CUT-IN 1400		2	R		7	57	
		3	Y		7	22	
		4	B/W	9 30	6	03	
		5	R		[illegible]	[illegible]	
		6	Y		[illegible]	[illegible]	
		7	B/W	9 28	[illegible]	50	
		8	R		6	18	
		9	Y		5	55	
		10	B/W	9 36	5	13	
		11	R		5	44	
		12	Y		5	56	
		* 13	B/W	9 38	5	30	
		14	R		4	19	
		15	Y		4	57	
		16	B/W	9 40	4	21	
		17	Y		4	39	
		18			3	23	
		19	B/W	9 42	3	37	
		20	R		4	21	



Profile
No.
X-Sec.
No.
Plotted
Date
Checked
Date
Notes Red.
Date
Notes Chkd.
Date
Division No. 8412
Job No. 8412
Survey of Beach Erosion Studies
Survey by E H B
Notes
Date 10/8/53
Indexed
F.B. 4887 PG. 164

76L298 307 8-53

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		12+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R		11.5 9.5	10.2	5.6	4.6	214	764
42	Y		13.5 9.5	10.8	5.6	5.2	226	776

BOAT [illegible]

No. ____ Date 12/16/53 Plotted ____ Job No. ____ Division No. ____

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

No. ____ Date 1-11-56 Date ____ Map No. ____ Indexed ____ Date ____

F. B. 1887 Pg. 16

76L298 307 8-53

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		14+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	9:26	33.7 30.9	31.8	5.6	26.2	1985	2535
2	R		31.4 30.5	30.8	5.6	25.2	1841	2391
3	Y		31.8 30.9	31.2	5.5	25.7	1682	2232
4	B&W	9:30	30.3 29.0	29.4	5.5	23.9	1489	2039
5	R		30.0 29.0	29.3	5.5	23.8	1393	1943
6	Y		29.3 27.9	28.4	5.5	22.9	1250	1800
7	B&W	9:33	29.1 27.5	28.0	5.5	22.5	1169	1719
8	R		30.0 26.4	27.6	5.5	22.1	1073	1623
9	Y		28.1 27.0	27.4	5.5	21.9	995	1545
10	B&W	9:36	28.1 26.0	26.7	5.5	21.2	931	1481
11	R		27.9 25.9	26.6	5.5	21.1	848	1398
12	Y		27.0 25.0	25.7	5.5	20.2	794	1344
13	B&W	9:38	27.2 24.4	25.3	5.5	19.8	744	1294
14	R		26.7 24.8	25.4	5.5	19.9	706	1256
15	Y		25.9 24.1	24.7	5.5	19.2	658	1208
16	B&W	9:40	26.0 23.4	24.3	5.4	18.9	607	1157
17	R		24.7 22.8	23.4	5.4	18.0	543	1093
18	Y		22.4 21.0	21.5	5.4	16.1	493	1043
19	B&W	9:43	23.0 21.0	21.7	5.4	16.3	497	1047
20	R		24.9 21.7	22.8	5.4	17.4	528	[illegible]

F. B. 1887 Pg. 166 Job No. 8412 Division No. ____ Notes Red. CEM Date 12/16/53 Plotted ____ Date ____ No. ____ Profile

Survey of ____ Notes ____ Date ____ Notes Chkd. CC Date 1-[illegible]-54 Checked ____ Date ____ X-Sec. ____ No. ____

Survey by ____ Date ____

Indexed ____

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	14+00 - N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
14+00	12+00 on 550' off-set	21	Y		90°00		
		22	B & W	9:45	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B & W	9:47	90°00		
		26	R		89°30		
		27	Y		90°00		
		28	B & W	9:50	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B & W	9:52	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B & W	9:54	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B & W	9:57	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B & W	10:00	90°00		

Profile Notes Red. Plotted Job No. Division No.

Notes Chkd. Checked Survey by Notes Date

No. Date Date Map No. Indexed Date

F.B. PG. 167

F.B. 1887 PG. 168 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ 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 At	On	#	Color	Time	Hor. Ang.	Remarks
14+00	14+00 [illegible]	41	R		[illegible]	
		42	Y		[illegible]	
		43	B & W	10:02	[illegible]	
		44	R		[illegible]	
		45	Y		[illegible]	
		46	B & W	[illegible]	[illegible]	
		47	R		[illegible]	
		48	Y		[illegible]	

RANGE 14+00N

RANGE 14+00-N.

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.

5

STATION	B. S.	H. I.	F. S.	ELEV.		
8+00 N/ 55.8 off	#					Cut in 14+00
	21	Y		40° 49		
	22	B/W	9 45	40° 34		
	23	R		39° 30		
	24	Y		37° 28		
	25	B/W	9 47	33° 59		
	* 26	R		35° 23		
	27	Y		39° 06		
	28	B/W	9 50	37° 54		
	29	R		37° 32		
	30	Y		36° 00		
	31	B/W	9 52	34° 13		
	32	R		32° 12		
	33	Y		29° 52		
	34	B/W	9 54	28° 15		
	35	R		25° 55		
	36	Y		24° 09		
	37	B/W	9 57	22° 33		
	38	R		22° 56		
		Y		24° 48		
		B/W	10 00	24° 14		

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

No.____ Notes Chkd.____ Checked____ Survey by____ Notes____

No.____ Date____ Date____ Map No.____ Indexed____ Date____

F.B. PG. 169

F.B. 2227 PG. 170 Job No. 2912 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date 10/8/53 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.		
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
8+00	41	R		[illegible]		
	42	Y		21 [illegible]		
	43	B/W	10 [illegible]	2 [illegible]		
	44	R		[illegible]		
	45	Y		[illegible]		
	46	B/W	10 03	1 [illegible]		
	47	R		21 [illegible]		
	48	Y		22 [illegible]		

CUT-IN 14+00N

76L298 307 8-53

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		14+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		23.3 / 21.9	22.4	5.4	17.0	518	1068
22	B&W	9:45	23.0 / 22.0	22.3	5.4	16.9	513	1063
23	R		23.0 / 21.1	21.7	5.4	16.3	495	1045
24	Y		23.0 / 20.9	21.6	5.4	16.2	460	1010
25	B&W	9:47	21.1 / 18.9	19.6	5.4	14.2	404	954
26	R		21.2 / 18.0	19.1	5.4	13.7	423	973
27	Y		23.0 / 21.0	21.7	5.4	16.3	488	1038
28	B&W	9:50	23.0 / 21.9	22.3	5.4	16.9	467	1017
29	R		22.2 / 21.1	21.5	5.3	16.2	461	1011
30	Y		21.6 / 20.0	20.5	5.3	15.2	436	986
31	B&W	9:52	21.1 / 19.0	19.7	5.3	14.4	408	958
32	R		20.1 / 18.0	18.7	5.3	13.4	378	928
33	Y		19.5 / 16.7	15.6	5.3	10.3	345	895
34	B&W	9:54	18.0 / 16.0	16.7	5.3	11.4	322	872
35	R		17.8 / 15.0	15.9	5.3	10.6	292	842
36	Y		16.2 / 15.0	15.4	5.3	10.1	269	819
37	B&W	9:57	14.7 / 13.3	13.8	5.3	8.5	249	799
38	R		15.1 / 13.0	13.7	5.3	8.4	254	804
39	Y		16.0 / 13.9	14.6	5.3	9.3	278	828
40	B&W	10:00	16.0 / 15.0	15.3	5.3	10.0	270	820

BOAT 14+00N

Profile Notes Red CFM Plotted Job No. Division No. F. B. 1887 Pg. 171

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

No. Date 1-11-54 Date Map No. Indexed Date

76L298 307 8-53

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 1887 Pg. 172 Job No. Division No. Notes Red. CEM Plotted Profile No.
Survey of Date 12/16/53 Date X-Sec. No.
Survey by Notes CEM 10/8/53 Notes Chkd. Checked
Indexed Date Date 1-11-54 Date

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		14+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	Y		16.1	14.0	5.2	8.8	263 should have been red	813
42	Y		13.0 14.0 11.5	12.3	5.2	7.1	241	791
43	B&W	10:02	12.1 10.2	10.8	5.2	5.6	224	774
44	R		10.8 7.0	8.3	5.2	3.1	191	741
45	Y		11.9 9.4	10.2	5.2	5.0	210	760
46	B&W	10:04	10.1 8.0	8.7	5.2	3.5	199	749
47	R		13.1 11.0	11.7	5.2	6.5	237	787
48	Y		14.0 12.1	12.7	5.2	7.5	249	799

BOAT 14+00N

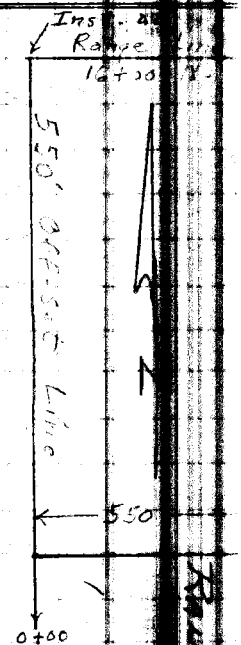
76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	16+00 - N.
Inst. Sight At	On #	# Color	Time	Hor. Ang.		Remarks
16+00 - N.	14+00 550' offset 1	B & W	10:20	90°00		
	2	R		90°00		
	3	Y		90°00		
	4	B & W	10:23	89 51		
	5	R		90°00		
	6	Y		90°00		
	7	B & W	10:26	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	10:28	89°42		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	10:30	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	10:32	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	10:34	90°00		
	20	R		90°00		



Profile Notes Red. Plotted Job No. Division No.
No. Date Date Map No. Indexed Date
Notes Chkd. Checked Survey By
F. B. Pg. 173

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	16+00 — N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
16+00	14+00 on 555' off set	21	Y		[illegible]		
		22	B + W	10:36	[illegible]		
		23	R		[illegible]		
		24	Y		[illegible]		
		25	B + W	10:38	[illegible]		
		26	R		[illegible]		
		27	Y		[illegible]		
		28	B + W	10:41	[illegible]		
		29	R		[illegible]		
		30	Y		[illegible]		
		31	B + W	10:42	[illegible]		
		32	R		[illegible]		
		33	Y		[illegible]		
		34	B + W	10:43	[illegible]		
		35	R		[illegible]		
		36	Y		[illegible]		
		37	B + W	10:45	[illegible]		
		38	R		[illegible]		
		39	Y		[illegible]		
		40	B + W	10:47	[illegible]		

RANGE 16+00N

F. B. PG. 174

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 No.

Indexed Date Date Date

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

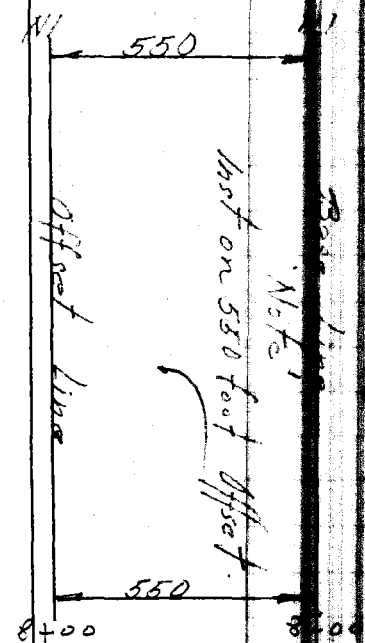
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.
Inst. Sight At	On	#	Color	Time	Hor. Ang.
8+00	N1 550 off	1	B&W	1020	68° 39
		2	R		66° 53
		3	Y		64° 43
		* 4	B&W	1023	62° 02
		5	R		59° 41
		6	Y		57° 48
		7	B&W	1026	55° 23
		8	R		53° 32
		9	Y		51° 07
		* 10	B&W	1028	49° 09
		11	R		47° 24
		12	Y		45° 51
		13	B&W	1030	44° 25
		14	R		43° 11
		15	Y		41° 27
		16	B&W	1032	39° 41
		17	R		37° 35
		18	Y		35° 58
		19	B&W	1034	33° 57
		20	R		31° 50

Remarks

7
CUTIN 16+00



Profile
Notes Red. Plotted Job No. Division No.
Notes Chkd. Checked Survey by
No. Date Date Map No. Indexed Date
F.B. PG. 175

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	
8+00	N1	21	Y		[illegible]		
CUT-IN 16+00	550 off	22	B+W	10 36	3[illegible] 4		
		23	R		2[illegible] 11		
		24	Y		2[illegible] 25		
		25	B+W	10 38	2[illegible] 18		
		26	R		2[illegible] 33		
		27	Y		2[illegible] 6		
		28	B+W	10 40	21[illegible] 7		
		29	R		2[illegible] 14		
		30	Y		19[illegible] 04		
		31	B+W	10 41	17[illegible] 5		
		32	R		17[illegible] 0		
		33	Y		16[illegible] 7		
		34	B+W	10 42	15[illegible] 51		
		35	R		14[illegible] 12		
		36	Y		17[illegible] 2		
		37	B+W	10 44	16[illegible] 1		
		38	R		13[illegible] 5		
		39	Y		14[illegible] 00		
		40	B+W	10 47	15[illegible] 16		

CUT IN 16+00

F.B. 1287 PG. 176 Job No. 2412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by F H B Notes JS Notes Chkd. Checked
Indexed Date 10/8/53 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		16+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	10:20	34.0 31.1	32.1	5.0	27.1	2046	2596
2	R		31.9 30.1	30.7	4.9	25.8	1874	2424
3	Y		32.2 29.1	30.1	4.9	25.2	1694	2244
4	B&W	10:23	31.0 28.3	29.2	4.9	24.3	1498	2048
5	R		29.0 27.1	27.7	4.9	22.8	1368	1918
6	Y		29.0 26.9	27.6	4.9	22.7	1270	1820
7	B&W	10:26	28.7 26.6	27.3	4.9	22.4	1159	1709
8	R		28.0 26.2	26.8	4.9	21.9	1082	1632
9	Y		28.0 26.0	26.7	4.8	21.9	992	1542
10	B&W	10:28	27.9 25.4	26.2	4.8	21.4	919	1469
11	R		25.6 24.5	24.9	4.8	20.1	870	1420
12	Y		26.1 24.8	25.2	4.8	20.4	824	1374
13	B&W	10:30	25.5 24.5	24.8	4.8	20.0	784	1334
14	R		26.0 23.8	24.5	4.8	19.7	751	1301
15	Y		25.7 23.4	24.2	4.8	19.4	706	1256
16	B&W	10:31	25.1 23.5	24.0	4.8	19.2	664	1214
17	R		24.9 22.3	23.2	4.8	18.4	616	1166
18	Y		24.7 22.9	23.5	4.8	18.7	580	1130
19	B&W	10:33	23.5 22.0	22.5	4.8	17.7	539	1089
20	R		22.9 21.0	21.6	4.7	16.9	497	1047

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

Date 12/16/53 Date ____ Survey of ____

Notes Chkd. [illegible] Checked ____ Survey by ____

No. ____ Date 1-11-54 Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1887 Pg. 177

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		16+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		21.0 19.4	19.9	4.7	15.2	438	988
22	B&W	10:36	21.9 19.6	20.4	4.7	15.7	466	1016
23	R		20.1 18.2	18.8	4.7	14.1	402	952
24	Y		18.6 17.0	17.5	4.7	12.8	358	908
25	B&W	10:38	17.6 17.2	17.3	4.7	12.6	353	903
26	R		18.7 15.9	16.8 ~~170~~	4.7	12.1	332	882
27	Y		17.5 15.7	163	4.6	11.7	311	861
28	B&W	10:40	17.9 15.2	161	4.6	11.5	309	859
29	R		15.7 15.0	152	4.6	10.6	295	845
30	Y		16.0 14.1	147	4.6	10.1	276	826
31	B&W	10:42	14.8 13.2	137	4.6	9.1	259	809
32	R		14.9 12.7	134	4.6	8.8	247	797
33	Y		15.4 12.2	133	4.6	8.7	234	784
34	B&W	10:42	12.0 10.7	111	4.6	6.5	227	777
35	R		11.0 8.0	90	4.6	4.4	202	752
36	Y		14.2 13.0	134	4.5	8.9	250	800
37	B&W	10:45	12.6 11.0	115	4.5	7.0	232	782
38	R		12.0 9.2	101	4.5	5.6	216	766
39	Y		9.0 7.0	77	4.5	3.2	199	749
40	B&W	10:47	12.6 11.0	115	4.5	7.0	218	768

F.B. 1887 PG. 178

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

Survey of ____ Date 12/16/53 Date ____ No. ____

Survey by ____ Notes CEM 10/8/53 Notes Chkd. KL Checked ____ X-Sec. ____

Indexed ____ Date ____ Date 1-11-54 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	16+00 - N.
Inst. Sight At	On	#	# Color	Time Hor. Ang.		Remarks
16+00	14+00 550'	41	R	90°00		
		42	Y	90°00		

RANGE 16+00 N

Profile Notes Red. Plotted Job No. Division No.

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

F. B. PG. 179

76L298 307 4-50

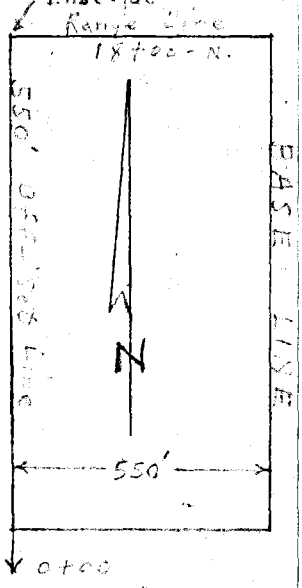
10

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	18+00 - N.
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
18+00	18+00 on 550' N-S	1	B & W	10:58	[illegible]		
RANGE 18+00N		2	R		[illegible]		
		3	Y		[illegible]		
		4	B & W	11:02	[illegible]		
		5	R		[illegible]		
		6	Y		[illegible]		
		7	B & W	11:05	[illegible]		
		8	R		[illegible]		
		9	Y		[illegible]		
		10	B & W	11:07	[illegible]		
		11	R		[illegible]		
		12	Y		[illegible]		
		13	B & W	11:09	[illegible]		
		14	R		[illegible]		
		15	Y		[illegible]		
		16	B & W	11:11	[illegible]		
		17	R		[illegible]		
		18	Y		[illegible]		
		19	B & W	11:13	90:00		
		20	R		[illegible]		



F. B. 1287 Pg. 180

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

Survey of BEACH EROSION STUDY Date Date No. X-Sec.

Survey by FHB Notes TM Notes Chkd. Checked No.

Indexed 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.

9

STATION		B. S.	H. I.	F. S.	ELEV.		cut in 16+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
8+00	N1	41	R		14°18		
		42	Y		14°59		

Profile Notes Red. Plotted Job No. Division No.

F.B. PG. 18

Notes Chkd. Checked Survey by Notes Date

No. Date Date Map No. Indexed Date

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

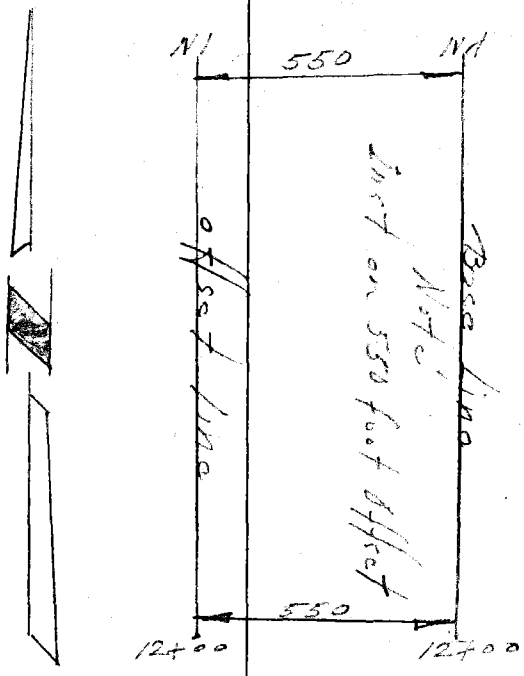
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

10

CUT-IN 18+00

STATION		B. S.	H. I.	F. S.	ELEV.		Remarks
Inst. At	Sight On	#	Color	Time	Hor.	Ang.	
12+00	N1 550 off	1	B&W	10 59	[illegible]	31	
		2	R		73	19	
		3	Y		71	15	
		* 4	B&W	11 02	7[illegible]	[illegible]7	
		5	R		69	31	
		6	Y		[illegible]	[illegible]	
		7	B&W	11 05	[illegible]	[illegible]7	
		8	R		6[illegible]	[illegible]	
		9	Y		[illegible]	[illegible]	
		10	B&W	11 07	6[illegible]	[illegible]0	
			R		6[illegible]	[illegible]	
		12	Y		[illegible]	[illegible]	
		13	B&W	11 07	6[illegible]	12	
		14	R		57	5	
		15	Y		58	4	
		16	B&W	11 11	56	35	
		17	R		55	8	
		18	Y		54	1	
		19	B&W	11 13	53	[illegible]	
		20	R		52	7	



F.B. 1887 PG. 182

Job No. [illegible] Division No. 1 Notes Red. Plotted No. Profile

Survey of [illegible] Date Date X-Sec.

Survey by [illegible] Notes Chkd. Checked No.

Indexed Date 10/8/53 Date Date

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		16+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R		10.2 / 8.0	87	4.5	4.2	204	754
42	Y	10:49	10.9 / 8.0	90	4.5	4.5	214	764

BOAT 16+00N

Profile Notes Red CFM Plotted Job No. Division No.

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

No. Date Date Map No. Indexed Date

F.B. 1887 PG. 183

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		18+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	10:58	33.4 / 32.1	32.5	4.3	28.2	2241	2791
2	R		32.3 / 30.2	30.9	4.2	26.7	2002	2552
3	Y		31.0 / 29.7	30.1	4.2	25.9	1820	2370
4	B&W	11:02	30.9 / 27.9	28.9	4.2	24.7	1686	2236
5	R		29.3 / 28.7	28.9	4.2	24.7	1606	2156
6	Y		29.0 / 27.9	28.3	4.1	24.2	1508	2058
7	B&W	11:05	28.8 / 27.0	27.6	4.1	23.5	1436	1986
8	R		28.3 / 27.0	27.4	4.1	23.3	1364	1914
9	Y		28.2 / 26.3	26.9	4.1	22.8	1298	1848
10	B&W	11:07	27.7 / 26.8	27.1	4.1	23.0	1221	1771
11	R		27.5 / 25.6	26.2	4.1	22.1	1168	1718
12	Y		27.1 / 25.8	26.2	4.1	22.1	1113	1663
13	B&W	11:09	28.1 / 24.5	25.7	4.0	21.7	1069	1619
14	R		27.1 / 25.4	26.0	4.0	22.0	1008	1558
15	Y		26.2 / 24.9	25.3	4.0	21.3	987	1537
16	B&W	11:11	27.0 / 24.1	25.1	4.0	21.1	910	1460
17	R		27.0 / 24.3	25.2	4.0	21.2	872	1422
18	Y		26.1 / 23.8	24.6	4.0	20.6	836	1386
19	B&W	11:12	24.9 / 24.0	24.3	4.0	20.3	801	1351
20	R		25.0 / 23.2	23.8	4.0	19.8	771	1321

F.B. 1887 PG. 184

Job No. ____ Division No. ____ Notes Red CEM Plotted ____ Date 12/16/53 Date ____ No. ____ Profile

Survey of ____ Notes CEM 10/8/53 Notes Chkd. ____ Checked ____ Date 1-11-54 Date ____ No. ____ X-Sec.

Survey by ____ Date ____

Indexed ____

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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 18+00 – M.	
Inst. Sight At On	#	# Color	Time	Hor. Ang.		Remarks
16+00	21	Y		90°00		
	22	B + W	11:14	90°00		
	23	R		90°00		
	24	Y		90°00		
	25	B + W	11:16	90°00		
	26	R		90°00		
	27	Y		90°00		
	28	B + W	11:18	90°00		
	29	R		90°00		
	30	Y		90°00		
	31	B + W	11:20	90°00		
	32	R		90°00		
	33	Y		90°00		
	34	B + W	11:22	90°00		
	35	R		90°00		
	36	Y		90°00		
	37	B + W	11:26	90°00		
	38	R		90°00		
	39	Y		90°00		
	40	B + W	11:27	90°00		

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

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

No.____ Date____ Date____ Map No.____ Indexed____ Date____

F. B. Pg. 185

F. B. [illegible] PG. 186

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

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

RANGE 18+00N

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	[illegible]
Inst. Sight At	#	Color	Time	Hor. Ang.	Remarks	
	[illegible]	[illegible]				
	[illegible]	[illegible]				
	[illegible]	[illegible]				
	[illegible]	[illegible]				
	[illegible]	[illegible]				
	[illegible]	[illegible]				
	[illegible]	[illegible]				
	[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.

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.

11

CUTIN 18+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
12+00	N1 550 off	21	Y		50° 16		
		22	B+W	11 15	48° 57		
		23	R		47° 08		
		24	Y		44° 43		
		25	B+W	11 16	42° 28		
		26	R		39° 38		
		27	Y		36° 56		
		28	B+W	11 18	35° 37		
		29	R		37° 44		
		30	Y		34° 14		
		31	B+W	11 20	30° 50		
		32	R		27° 15		
		33	Y		28° 20		
		34	B+W	11 22	27° 17		
		35	R		25° 55		
		36	Y		23° 43		
		37	B+W	11 26	23° 42		
		38	R		21° 35		
		39	Y		19° 39		
		41	B+W	11 29	20° 28		

CUT-IN 18+00

Profile Notes Red. Plotted Job No. Division No. F.B. PG. 187

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

No. Date Date Map No. Indexed Date

76L298 30¢ 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.

12

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
12+00	N1	41	R		23 12		
		42	Y		21 21		
		43	B&W	11 33	2[illegible] 54		
		44	R		2[illegible] 30		
		45	Y		21 18		
		46	B&W	11 35	23 20		
		* 47	R		23 28		
		48	Y		24 21		

CUT-IN 18+00 N

F.B. 1887 PG. 188 Job No. 8412 Division No. Ekorian Studios Notes Red. Plotted Profile
Survey of Beech Date Date No. X-Sec.
Survey by [illegible] Notes Notes Chkd. Checked
Indexed Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		18+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		25.0 22.9	23.6	4.0	19.6	722	1272
22	B&W	11:14	25.1 23.7	24.2	3.9	20.3	689	1239
23	R		25.2 22.5	23.4	3.9	19.5	646	1196
24	Y		23.6 22.0	22.5	3.9	18.6	594	1144
25	B&W	11:16	24.4 20.8	22.0	3.9	18.1	549	1099
26	R		21.8 20.0	20.6	3.9	16.7	597	1147
27	Y		21.1 20.0	20.4	3.9	16.5	451	1001
28	B&W	11:18	21.2 18.3	19.3	3.9	15.4	430	980
29	R		20.9 19.7	20.1	3.8	16.3	464	1014
30	Y		19.2 18.3	18.6	3.8	14.8	408	958
31	B&W	11:20	19.1 17.3	17.9	3.8	14.1	358	908
32	R		17.0 14.8	15.5	3.8	11.7	309	859
33	Y		17.5 15.9	16.4	3.8	12.6	323	873
34	B&W	11:22	16.0 15.0	15.3	3.8	11.5	309	859
35	R		15.5 14.7	15.0	3.8	11.2	292	842
36	Y		14.2 12.7	13.2	3.8	9.4	264	814
37	B&W	11:26	13.9 12.0	12.6	3.7	8.9	263	813
38	R		12.5 10.0	10.8	3.7	7.1	237	787
39	Y		11.0 8.2	9.1	3.7	5.4	214	764
40	B&W	11:29	12.0 9.2	10.1	3.6	6.5	224	774

BOAT 18+00 N

Profile No. Notes Red. CEM Plotted Job No. Division No.
Date 12/16/[illegible] Date Survey of
Notes Chkd. [illegible] Checked Survey by Notes
No. Date 1-11-54 Date Map No. Indexed Date
F.B. [illegible] PG. [illegible]

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. X-Sec. No.

Job No. Division No. Notes Red CEM Plotted Date 12/16/53 Date Notes CEM 10/8/53 Notes Chkd Checked Date 1-11-54 Date

F.B. 1887 PG. 13

Survey of
Survey by
Indexed

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		18+00 N
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41 R		13.9 12.8	13.2	3.6	9.6	257	807
42 Y		12.3 10.2	10.9	3.6	7.3	235	785
43 BEW	11:33	11.2 10.0	10.4	3.6	6.8	230	780
44 R		11.1 9.0	9.7	3.5	6.2	224	774
45 Y		12.6 11.0	11.5	3.5	8.0	234	784
46 BEW	11:35	13.2 12.8	12.9	3.5	9.4	259	809
47 R		15.0 12.0				259 Void	809
48 Y		14.9 13.0	13.6	3.5	10.1	272	822

Boat 18+00 N

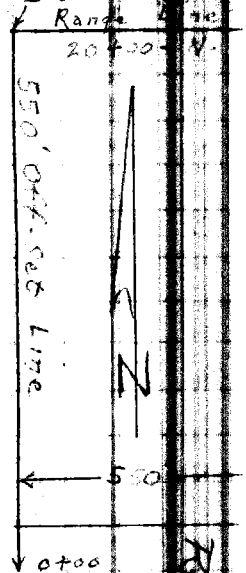
76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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	20+00 - N.
Inst. Sight At / On		# Color	Time	Hor. Ang.	Remarks	
20+00 / 550' off set	1	B & W	11:55	90°00		
	2	R		89°48		
	3	Y		90°00		
	4	B & W	11:58	90°00		
	5	R		90°00		
	6	Y		90°00		
	7	B & W	12:00	89°48		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	12:03	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	12:06	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	12:08	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	12:10	90°00		
	20	R		90°00		



RANGE 20+00 N

Profile Notes Red. Plotted Job No. Division No. F. B. PG. 181

Notes Chkd. Checked Survey By Notes Date

No. Date Date Map No. Indexed Date

F. B. 1847 Pg. 192 Job No. 846 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

RANGE 20+00 N

STATION	B. S.	H. I.	F. S.	ELEV.	RANGE	20+00 N
Inst. sight On	#	Color	Time	Hor. Ang.		Remarks
18+00	21	Y				
20+00	22	B+W				
	23	R				
	24	Y				
	25	B+W				
	26	R				
	27	Y				
	28	B+W				
	29	R				
	30	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.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

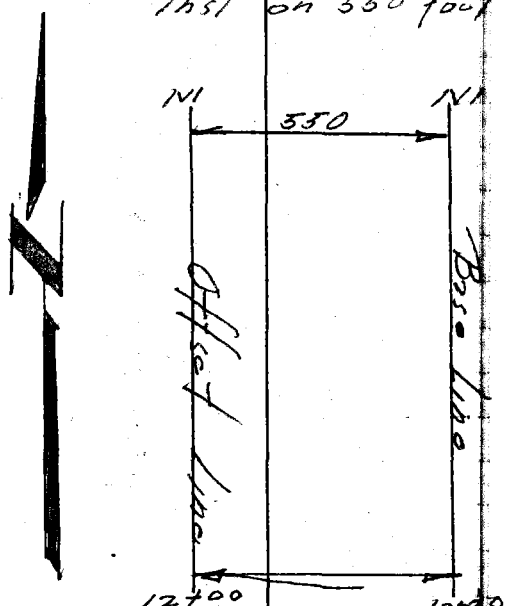
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

13

CUT IN 20+00

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
12+00	N1	1	B/W	11 55	68°24	'Note'
	550 off	* 2	R		65°20	Inst on 550 foot off.
		3	Y		62°40	
		4	B/W	11 58	58°29	
		5	R		56°48	
		6	Y		55°17	
		* 7	B/W	12 00	52°18	
		8	R		50°09	
		9	Y		47°54	
		10	B/W	12 03	45°52	
		11	R		43°05	
		12	Y		39°51	
		13	B/W	12 06	35°28	
		14	R		32°05	
		15	Y		28°32	
		16	B/W	12 08	29°20	
		17	R		32°40 *	
		18	Y		29°22	
		19	B/W	12 11	26°12	
		20	R		24°38	



Profile
Notes Red ____ Plotted ____ Job No. 5417 Division No. ____
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by ____ Notes ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1151 PG. 193

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	
12+00	N1	21	Y		23 [illegible]		
		22	B&W	12 12	2[illegible] [illegible]0		
		23	R		21 15		
		24	Y		2[illegible] [illegible]		
		25	B&W	12 13	19 31		
		26	R		18 16		
		27	Y		18 [illegible]		
		28	B&W	12 14	16 [illegible]4		
		29	R		15 [illegible]5		
		30	Y		1[illegible] [illegible]		

CUT-IN 20+00 N

14
CUT IN 20+00

F.B. 1817 PG. 194
Job No. 84112 Division No. Profile
Survey of Beach Erosion Studies No.
Survey by F.H.B. Notes JS Notes Chkd. Plotted Date X-Sec.
Indexed Date 10/8/53 Date Checked 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		20+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B & W	11:55	30.7 28.9	29.5	3.1	26.4	2021	2571
2	R		29.8 27.9	28.5	3.1	25.4	1727	2277
3	Y		29.7 27.4	28.2	3.1	25.1	1547	2097
4	B & W	11:58	28.5 26.6	27.2	3.1	24.1	1305	1855
5	R		26.7 24.9	25.5	3.0	22.5	1222	1772
6	Y		27.0 25.1	25.7	3.0	22.7	1154	1704
7	B & W	12:00	26.9 24.6	25.4	3.0	22.4	1029	1579
8	R		25.7 23.6	24.3	3.0	21.3	958	1508
9	Y		26.3 24.8	25.3	3.0	22.3	886	1436
10	B & W	12:03	25.4 23.3	24.0	3.0	21.0	824	1374
11	R		25.2 23.2	23.9	2.9	21.0	748	1298
12	Y		24.8 22.2	23.1	2.9	20.2	668	1218
13	B & W	12:06	23.7 21.3	22.1	2.9	19.2	570	1120
14	R		22.0 20.0	20.7	2.9	17.8	502	1052
15	Y		23.2 17.8	19.6	2.9	16.7	435	985
16	B & W	12:08	23.5 17.0	19.2	2.9	16.3	450	1000
17	R		22.8 19.9	20.9	2.9	18.0	513	1063
18	Y		22.0 18.7	19.8	2.8	17.0	450	1000
19	B & W	12:10	19.0 16.7	17.5	2.8	14.7	394	944
20	R		18.2 16.0	16.7	2.8	13.9	367	917

Boat 20+00N

Profile No. ____ Notes Red CEM Plotted ____ Job No. ____ Division No. ____ F.B. 1881 Pg. 195

Date 12/11/53 Date ____ Survey of ____

No. ____ Date 1-11-54 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.	BOAT		20+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		18.0 15.6	16.4	2.8	13.6	349	899
22	B&W	12:12	17.5 15.4	16.1	2.8	13.3	337	887
23	R		16.7 15.0	15.6	2.8	12.8	319	869
24	Y		16.9 14.0	15.0	2.8	12.2	305	855
25	B&W	12:13	16.0 13.4	14.3	2.8	11.5	284	834
26	R		16.0 12.2	13.5	2.8	10.7	272	822
27	Y		13.0 11.0	11.7	2.8	8.9	265	815
28	B&W	12:14	13.0 10.8	11.5	2.8	8.7	238	788
29	R		10.3 8.0	8.8	2.8	6.0	223	773
30	Y		9.0 7.0	7.7	2.8	4.9	210	760

BOAT 20+00N

F.B. 1887 PG. 196 Job No. 8412 Division No. Notes Red. CEM Plotted Date 12/16/53 No. Profile
Survey of Notes CEM 10/8/53 Notes Chkd. Checked Date 1-11-54 No. X-Sec.
Survey by Date
Indexed

F. B. 1887 PG. 19

Map No.
Office Work
Checked
Date

W. O. 8412 Tape No. 0 67 St'd. 84 °F
Surveyed by Blanchard
Notes Blanchard Date 10-13-53
Indexed

TIDE GAGE

STANDARD TIME OCT. 13, 1953

HOUR	TIDE
5:00	3.30
5:30	3.30+
6:00	3.50
6:30	3.70
7:00	3.90
7:30	4.20
8:00	4.40
8:30	4.70
9:00	5.00
9:30	5.30
10:00	5.40
10:30	5.50
11:00	5.60
11:30	5.60
12:00	5.40
12:30	5.10
1:00	5.00

Note: Any Additions or Changes on This Sheet Must 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. 1887 PG. 198

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

Do not extend notes this side of this line.

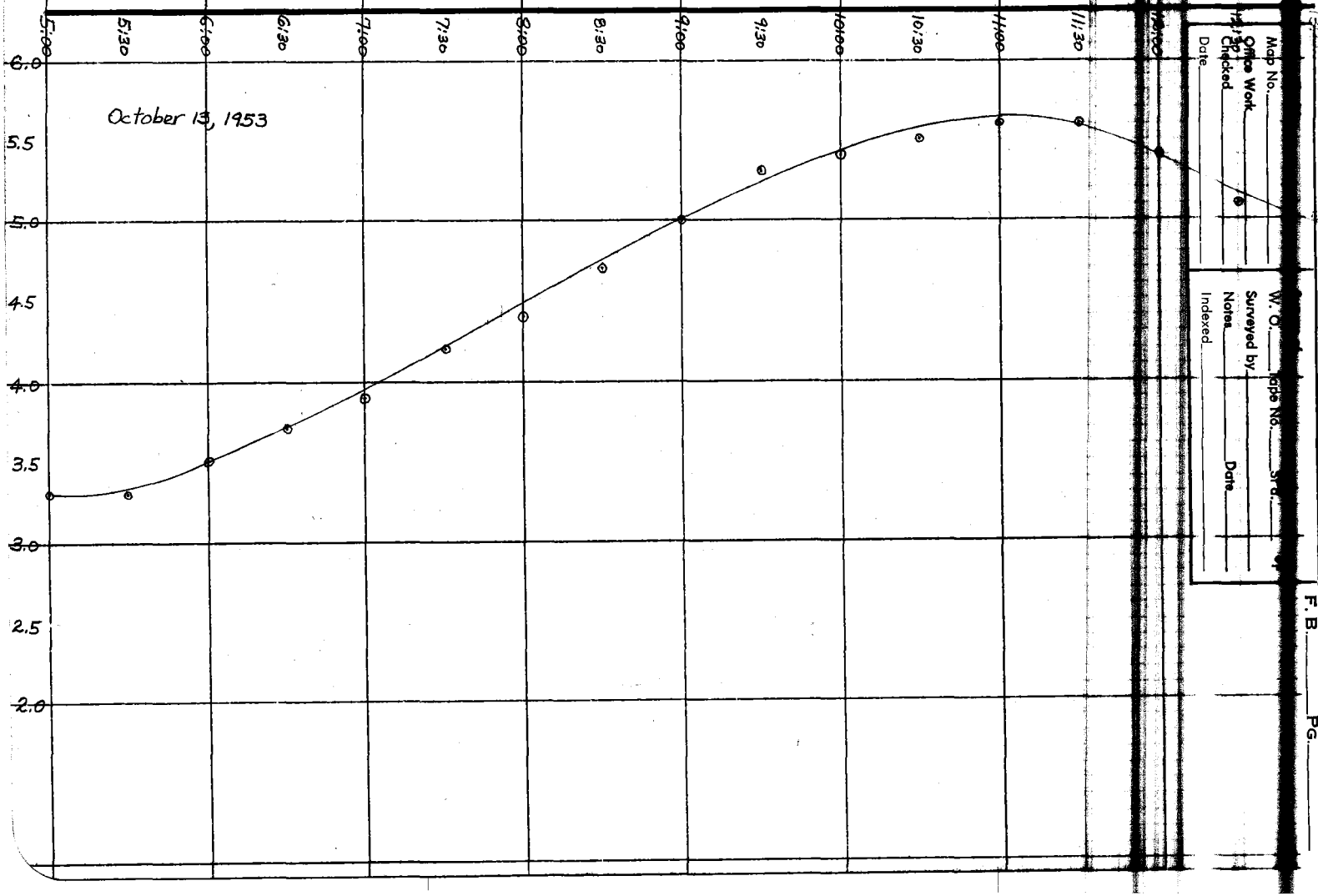
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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.



Map No.
Office Work
Checked
Date
W. O.
Surveyed by
Notes
Date
Indexed
F. B.
PG.

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

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

Do not extend notes this side of this line.

F. B. _____ PG. _____

76L298 307 10-51

PLEASE RETURN TO

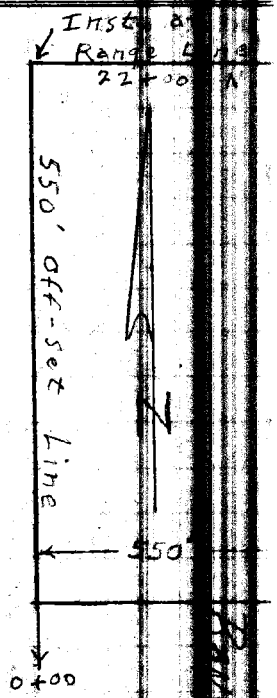
LOS ANGELES COUNTY SURVEYOR

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	22+00 - N.
Inst. Sight At / On	#	Color	Time	Hor. Ang.	Remarks	
22+00 / 20+00 on 550' off set	1	B & W	6:18	89°51'		
	2	R		90°00		
	3	Y		90°00		
	4	B & W	6:20	90°00		
	5	R		90°00		
	6	Y		90°00		
	7	B & W	6:23	90°00		
	8	R		90°00		
	9	Y		90°00		
	10	B & W	6:26	90°00		
	11	R		90°00		
	12	Y		90°00		
	13	B & W	6:28	90°00		
	14	R		90°00		
	15	Y		90°00		
	16	B & W	6:31	90°00		
	17	R		90°00		
	18	Y		90°00		
	19	B & W	6:33	89°43		
	20	R		90°00		



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

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

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

F.B. ____ Pg. 190

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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.

F.B. 1887 PG. 200 Job No. 8412 Division No. Notes Red. Plotted
Survey of BEACH EROSION STUDY Date Date No.
Survey by FHB Notes ERL 10/8/53 Notes Chkd. Checked X-Sec.
Indexed Date Date Date No. Profile

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE 22+00-N.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
22+00	20+00 on 550' offset	21	Y		90°00		
RANGE 22+00N		22	B+W	6:35	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B+W	6:37	90°00		
		26	R		90°00		
		27	Y		89°20		
		28	B+W	6:39	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B+W	6:41	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B+W	6:43	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B+W	6:46	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B+W	6:48	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.

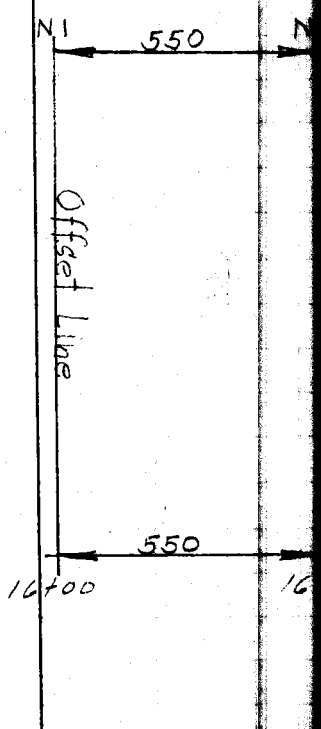
Profile Notes Red ____ Plotted ____ Job No. 2009 Division No. ____ F.B. 1897 Pg. 201

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

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

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
16+00 N1	* 1	B+W	6:18	72°50	Note
550 off 550 off	2	R		71°15	Inst on 550 foot
	3	Y		70°30	
	4	B+W	6:21	70°04	
	5	R		69°32	
	6	Y		69°06	
	7	B+W	6:23	68°04	
	8	R		66°58	
	9	Y		64°54	
	10	B+W	6:26	63°37	
	11	R		62°21	
	12	Y		61°10	
	13	B+W	6:29	59°20	
	14	R		57°52	
	15	Y		55°00	
	16	B+W	6:31	53°35	
	17	R		52°32	
	18	Y		51°22	
	* 19	B+W	6:34	50°03	
	20	R		48°07	

Cut in 22+00 N



76L298 30? 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.

2

CUT IN 22+00N

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
16+00N	N1	21	Y		46[illegible]		
		22	B+W	6:36	44[illegible]		
		23	R		42[illegible]3		
		24	Y		4[illegible]		
		25	B+W	6:37	38[illegible]8		
		26	R		3[illegible]		
		* 27	Y		3[illegible]		
		28	B+W	6:40	33[illegible]		
		29	R		31[illegible]		
		30	Y		30[illegible]5		
		31	B+W	6:42	28[illegible]		
		32	R		27[illegible]		
		33	Y		2[illegible]		
		34	B+W	6:44	2[illegible]		
		35	R		29[illegible]5	*	BOAT WENT
		36	Y		2[illegible]	*	BACK OUT!
		37	B+W	6:46	2[illegible]	*	
		38	R		27[illegible]0		
		39	Y		2[illegible]0		
		40	B+W	6:49	2[illegible]	*	

CUT-IN 22+00N

F.B. 1887 PG. 202 Job No. 84PN Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by F H B Notes JS Notes Chkd. Checked
Indexed Date 10/13/53 Date Date No.

TEL.298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		22+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	[illegible]	[illegible]
1	B&W	6:17	30.7 29.8	30.1	3.6	26.5	1930	2480
2	R		30.1 28.0	28.7	3.6	25.1	1768	2318
3	Y		29.0 28.1	28.4	3.6	24.8 ~~22.8~~	1694	2244
4	B&W	6:20	29.8 27.2	28.1	3.6	24.5	1654	2204
5	R		28.2 27.3	27.6	3.6	24.0	1607	2157
6	Y		29.4 26.5	27.5	3.7	23.8	1571	2121
7	B&W	6:23	28.6 26.5	27.2	3.7	23.5	1490	2040
8	R		28.1 26.4	27.0	3.7	23.3	1411	1961
9	Y		27.1 25.9	26.3	3.7	22.6	1281	1831
10	B&W	6:26	26.8 25.3	25.8	3.7	22.1	1210	1760
11	R		26.4 24.7	25.3	3.7	21.6	1145	1695
12	Y		25.3 24.0	24.4	3.7	20.7	1090	1640
13	B&W	6:29	25.3 24.5	24.8	3.7	21.1	1012	1562
14	R		25.5 24.0	24.5	3.7	20.8	956	1506
15	Y		25.5 23.4	24.1	3.7	20.4	857	1407
16	B&W	6:31	24.2 23.1	23.5	3.7	19.8	813	1363
17	R		25.1 22.8	23.6	3.7	19.9	783	1333
18	Y		25.0 23.0	23.7	3.7	20.0	752	1302
19	B&W	6:33	24.0 22.8	23.2	3.7	19.5	712	1262
[illegible]	R		24.0 22.0	22.7	3.7	19.0	669	1219

Profile Notes Red CEM Plotted Job No. 2412 Division No. F.B. 1887 Pg. 202

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

Date 1-11-52 Map No. Reviewed Date

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		22+00N
#	Color Time	Meas. Depth	Bottom Tide		Adj. Depth	Remarks	
21	Y	23.1 21.9	22.3	3.7	18.6	642	1192
22	B & W	6:35 22.9 22.0	22.3	3.7	18.6	593	1143
23	R	22.8 21.2	21.7	3.8	17.9	557	1107
24	Y	21.9 20.0	20.6	3.8	16.8	507	1057
25	B & W	6:38 21.2 19.9	20.3	3.8	16.5	477	1027
26	R	20.1 18.8	19.2	3.8	15.4	448	998
27	Y	20.1 18.3	18.9	3.8	15.1	424	974
28	B & W	6:39 19.4 18.0	18.5	3.8	14.7	394	944
29	R	18.9 17.8	18.2	3.8	14.4	369	919
30	Y	18.3 17.6	17.8	3.8	14.0	347	897
31	B & W	6:42 17.2 16.3	16.6	3.8	12.8	322	872
32	R	17.4 15.5	16.1	3.8	12.3	310	860
33	Y	17.0 15.9	16.3	3.8	12.5	309	859
34	B & W	6:44 15.2 13.5	14.1	3.8	10.3	281	831
35	R	18.7 16.9	17.5	3.8	13.7	345	895
36	Y	17.9 14.9	15.9	3.8	12.1	327	877
37	B & W	6:46 18.0 16.5	17.0	3.8	13.2	315	865
38	R	17.9 15.8	16.5	3.8	12.7	310	860
39	Y	15.8 13.1	14.0	3.8	10.2	273	823
40	B & W	:49 15.5 14.2	14.6	3.9	10.7	283	833

F. B. 1887 PG. 204 Job No. 8412 Division No. Notes Red. CEM Plotted Profile
Survey of Beach Erosion Study Date 12/16/53 Date No.
Survey by Notes CEM 10/13/53 Notes Chkd. Checked X-Sec.
Indexed Date Date 1-11-54 Date No.

76L298 307 10-51

3.

PLEASE RETURN TO

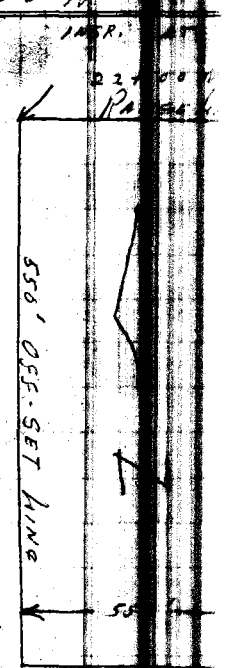
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	RANGE	22+00 N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
22+00	20+00 on. 550' off set	41	R		90°00		
		42	Y		90°00		
		43	B+W	6:51	90°00		
		44	R		90°00		
		45	Y		90°00		
		46	B+W	7:53	90°00		
		47	R		90°00		
		48	Y		90°00		
		49	B+W	7:56	90°00		



RANGE 22+00 N

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

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

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

F.B. ____ PG. ____

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	24+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
24+00	22+00 [illegible]	1	B+W	7:12	9[illegible]00		
RANGE 24+00		2	R		9[illegible]00		
		3	Y		9[illegible]00		
		4	B+W	7:15	[illegible]50		
		5	R		89°53		
		6	Y		9[illegible]00		
		7	B+W	7:18	90°00		
		8	R		8[illegible]42		
		9	Y		9[illegible]00		
		10	B+W	7:21	[illegible]00		
		11	R		9[illegible]00		
		12	Y		9[illegible]0		
		13	B+W	7:23	9[illegible]00		
		14	R		9[illegible]0		
		15	Y		9[illegible]00		
		16	B+W	7:25	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B+W	7:26	9[illegible]00		
		20	R		90°00		

F.B. 1887 PG. 206 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of BEACH EROSION STUDY Date Date X-Sec.
Survey by F.H.B. Notes E.R. (10/13/53) Notes Chkd. Checked No.
Indexed 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.

8

Cut in 22+00

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
16+00	N1	41	R		25°59		
		42	Y		26°11	*	
		43	B&W	6:52	24°35		
		44	R		24°13		
		45	Y		22°57		
		46	B&W	6:55	20°38		
		47	R		20°09		
		48	Y		21°41	*	
		49	B&W	6:56	18°23		

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. 1187 PG. 207

Notes Chkd. ____ Checked ____ Survey by ____ Notes ____

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

Cut in 22+00

76L298 30 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.

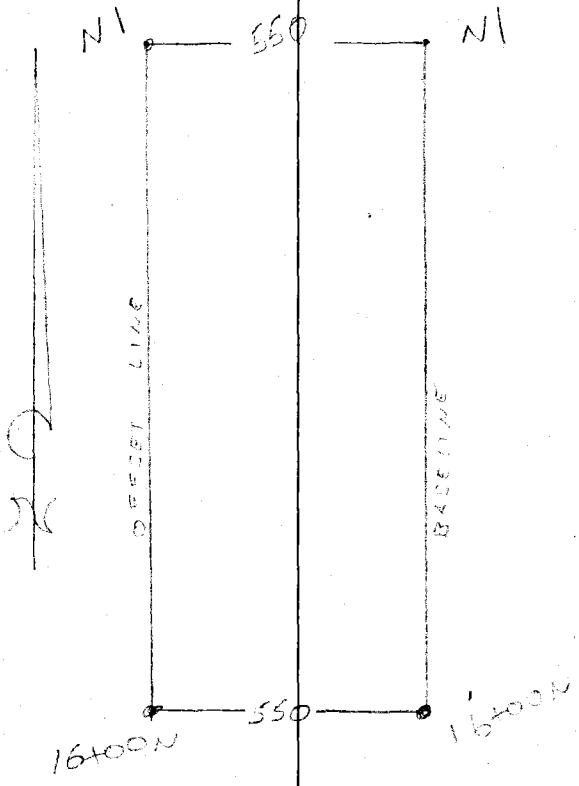
Do not extend notes this side of this line.

1

CUT IN 24+00N

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
16+00N	N1	1	B&W	7:13	66° 04'	
550 off	550 off	2	R		62° 37'	
		3	Y		60° 58'	
		* 4	B&W	7:16	59° 08'	
		* 5	R		57° 19'	
		6	Y		54° 59'	
		7	B&W	7:19	52° 29'	
		* 8	R		50° 41'	
		* 9	Y		48° 39'	
		10	B&W	7:21	45° 43'	
		11	R		44° 22'	
		12	Y		43° 04'	
		13	B&W	7:24	41° 37'	
		14	R		39° 5'	
		15	Y		36° 45'	
		16	B&W	7:26	34° 3'	
		17	R		32° 7'	
		18	Y		30° 1'	
		19	B&W	7:27	28° 02'	
		20	R		25° 58'	

CUT-IN 24+00N



F.B. 1887 PG. 208
Job No. 3412 Division No. Notes Red. Plotted No. Profile
Survey of Bazel Erosion Studies Date Date X-Sec.
Survey by FHB Notes E.S. Notes Chkd. Checked
Indexed Date 10/13/53 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.			22+00 N
# Color	Time	Meas. Depth	Botton	Tide	Adj. Depth		Remarks
41 R		16.7 14.9	15.5	3.9	11.6	292	842
Y		16.5 15.7	16.0	3.9	12.1	295	845
43 B&W	6:52	14.9 13.2	13.8	3.9	9.9	275	825
R		15.2 13.0	13.7	3.9	9.8	270	820
45 Y		14.0 12.0	12.7	3.9	8.8	254	804
B&W	6:54	12.0 9.6	10.4	3.9	6.5	226	776
47 R		11.0 10.0	10.3	3.9	6.4	220	770
Y		12.4 10.9	11.4	3.9	7.5	239	789
49 B&W	6:56	10.0 8.0	8.7	3.9	4.8	199	749

Profile Notes Red CFM Plotted Job No. Division No.
X-Sec. Notes Chkd. Checked Survey by Notes Date
Date 1-11-58 Date Map No. Indexed Date
F. B. 1887 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.	BOAT		24+00 N
# Color Time	Meas. Depth	Bottom Tide	Adj. Depth		Remarks		
1 B&W	7:12	30.0 29.0	29.3	4.0	25.3	1802	2352
2 R		29.2 27.0	27.7	4.1	23.6	1566	2116
3 Y		28.0 27.0	27.3	4.1	23.2	1442	1992
4 B&W	7:16	27.2 26.5	26.7	4.1	22.6	1332	1882
5 R		26.6 26.1	26.3	4.1	22.2	1245	1795
6 Y		26.3 25.0	25.4	4.1	21.3	1142	1692
7 B&W	7:18	26.0 24.6	25.1	4.1	21.0	1037	1587
8 R		26.2 24.5	25.1	4.1	21.0	972	1522
9 Y		25.7 24.6	25.0	4.1	20.9	909	1459
10 B&W	7:21	25.0 23.5	24.0	4.1	19.9	821	1371
11 R		24.7 23.5	23.9	4.1	19.8	783	1333
12 Y		24.8 23.6	24.0	4.1	19.9	748	1298
13 B&W	7:23	24.7 23.7	24.0	4.2	19.8	711	1261
14 R		23.9 22.8	23.2	4.2	19.0	652	1202
15 Y		23.4 22.0	22.5	4.2	18.3	598	1148
16 B&W	7:25	22.5 21.3	21.7	4.2	17.5	547	1097
17 R		22.5 20.1	20.9	4.2	16.7	505	1055
18 Y		20.9 19.5	20.0	4.2	15.8	468	1018
19 B&W	27	20.1 19.0	19.4	4.2	15.2	426	976
20 R		19.6 18.0	18.5	4.2	14.3	390	940

F. B. 1887 Pg. 210 Job No. 8412 Division No. Notes Red. CEM Plotted Profile
Survey of Date 12/16/53 Date No.
Survey by Notes CEM 10/13/53 Notes Chkd. Checked X-Sec.
Indexed Date Date 1-14-54 Date No.

76L298 307 10-51

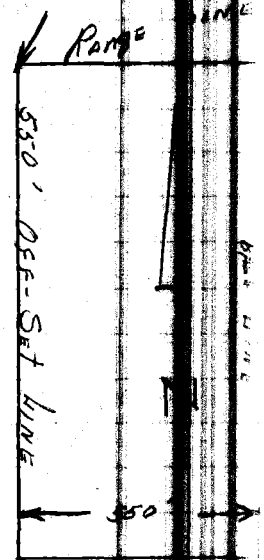
PLEASE RETURN TO

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	24+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	INSRT.
	22+00 ON						
24+00	550' off set	21	Y		90°00		24+00 N
		22	B&W	7:28	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B&W	7:31	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B&W	7:33	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B&W	7:34	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B&W	7:45	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B&W	7:47	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B&W	7:48	90°00		



RANGE 24+00 N

Profile Notes Red ____ Plotted ____ Job No. 8412 Division No. ____ F.B. ____ PG. 211

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

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

F.B. 1887 PG. 212 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by FHB Notes E.R. 1 (10/8/53) 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.	
24+00 22+00	41	R		90°00	
	42	Y		90°00	
RANGE 24+00 N					RANGE
					24+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.

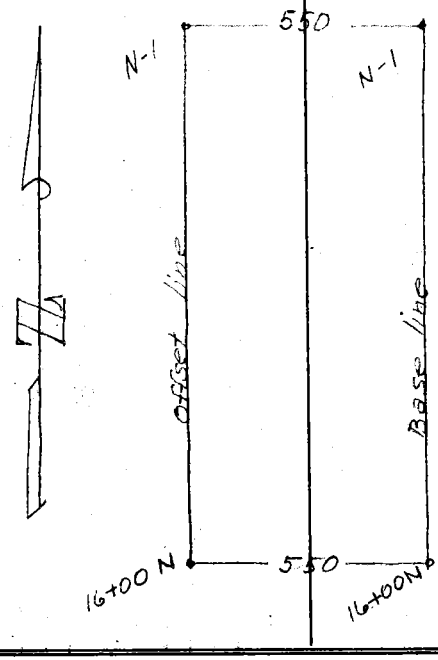
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

4

CUT IN 24+00 N

STATION	B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
16+00N N-1	21	Y		23° 28'	
	22	B&W	7:29	20° 44'	
	23	R		26° 42'	*(Boat went seaward to pick up contour
	24	Y		27° 05'	*lines)
	25	B&W	7:31	25° 24'	
	26	R		22° 07'	
	27	Y		21° 50'	
	28	B&W	7:33	21° 23'	
	29	R		19° 45'	
	30	Y		19° 05'	
	31	B&W	7:35	20° 17'	*
	32	R	7:44	19° 05'	*
	33	Y		17° 22'	
	34	B&W	7:45	17° 39'	*
	35	R		18° 23'	*
	36	Y		18° 01'	*
	37	B&W	7:48	18° 12'	*
	38	R		16° 29'	
	39	Y		14° 55'	
	40	B&W	7:49	13° 03'	



COT-IN 24+00N

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. ____ PG. 213

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

F.B. 1887 PG. 214 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date 10/13/53 Date _____ Date _____ No. _____

76L298 30T 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY

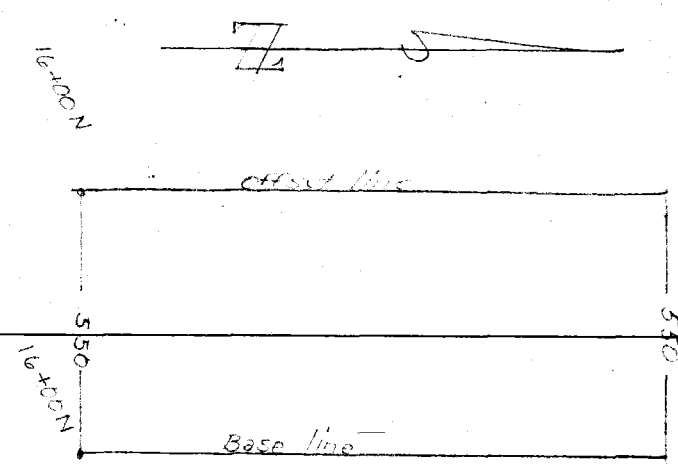
ENGINEERING BLDG.

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
16+00N N-1	41	R	7:51	1 [illegible]		
	42	Y		16 [illegible]		
	43					
	44					

COT-IN 24+00N



N-1

N-1

COT-IN 24+00N

5

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		24 + 00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		19.1 17.2 ?	17.8	4.2	13.6	347	897
22	B&W	7:29	17.3 15.0	15.8	4.2	11.6	303	853
23	R		20.0 18.0	18.7	4.2	14.5	402	952
24	Y		19.6 18.5	18.9	4.2	14.7	409	959
25	B&W	7:31	19.6 18.2	18.7	4.2	14.5	380	930
26	R		18.6 16.9	17.5	4.2	13.3	325	875
27	Y		17.8 16.8	17.1	4.2	12.9	320	870
28	B&W	7:33	18.0 16.0	16.7	4.2	12.5	313	863
29	R		15.4 14.3	14.7	4.2	10.5	287	837
30	Y		14.2 13.2	13.5	4.2	9.3	277	827
31	B&W	7:35	16.0 14.8	15.2	4.3	10.9	296	846
32	R		15.1 13.2	13.8	4.3	9.5	277 Broke	827 Shear Pin
33	Y		13.0 11.7	12.1	4.3	7.8	250	800
34	B&W	7:46	13.0 12.0	12.3	4.4	7.9	255	805
35	R		15.0 12.8	13.5	4.4	9.1	266	816
36	Y		13.7 12.7	13.0	4.4	8.6	260	810
37	B&W	47	13.4 12.8	13.0	4.4	8.6	263	813
38	R		13.0 11.8	12.2	4.4	7.8	237	787
39	Y		11.7 9.3	10.1	4.4	5.7	213	763
40	B&W	49	9.1 7.8	8.2	4.4	3.8	185	735

Profile Notes Red CEM Plotted Job No. 8412 Division No.
Date 12/16/53 Date Survey of
No. Date 1-14-54 Date Map No. Indexed Date
F. B. 1887 Pg. 215

F. B. 1887 PG. 216

Job No. _____ Division No. _____ Notes Red. CEM Date 12/16/53 Plotted _____ Date _____ Profile No. _____

Survey of _____

Survey by _____ Notes _____ Notes Chkd. KK Date 1-12-54 Checked _____ Date _____ X-Sec. No. _____

Indexed _____ Date _____

761298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
41 R		Meas Depth	Bottom	TIDE	Adj. Depth	
42 Y		12.0	11.1	4.4	6.7	229
		10.7				
		11.5				
		10.7	11.0	4.4	6.6	225
BOAT 24+00N						24+00N
						779
						775

76L298 307 10-51

PLEASE RETURN TO

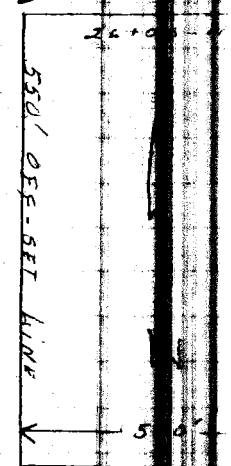
LOS ANGELES COUNTY SURVEYOR

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	26+00-N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
26+00	24+00 on 550' off set	1	B+W	8:04	90°00		
		2	R		89°53		
		3	Y		90°00		
		4	B+W	8:08	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B+W	8:11	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B+W	8:13	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B+W	8:16	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B+W	8:18	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B+W	8:20	90°00		
		20	R		90°00		



RANGE 25+00N

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

Notes Chkd. ____ Checked ____ Survey by ____ Notes ____

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

F.B. 1887 PG. 217

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	26+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
26+00	24+00 on 550' OFFSET	21	Y		90°00		
RANGE 26+00 N		22	B+W	8:23	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B+W	8:25	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B+W	8:27	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B+W	8:29	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B+W	8:31	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B+W	8:34	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B+W	8:37			

F.B. 1887 PG 218 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of BEACH EROSION STUDY Date Date X-Sec.
Survey by FHB Notes E.R. (10/8/53) Notes Chkd. Checked No.
Indexed Date Date Date

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

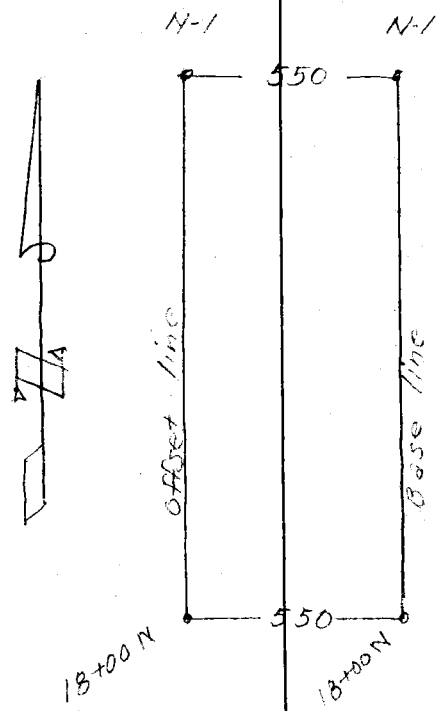
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	
18+00	N-1	1	B & W	8:04	67° 24'	
		* 2	R		64° 11'	
		3	Y		62° 34	
		4	B & W	8:08	59° 31'	
		5	R		56° 54'	
		6	Y		54° 41'	
		7	B & W	8:11	51° 36'	
		8	R		48° 40'	
		9	Y		45° 41'	
		10	B & W	8:14	41° 57'	
		11	R		38° 41'	
		12	Y		35° 04'	
		13	B & W	8:17	31° 15'	
		14	R		34° 11'	*
		15	Y		33° 29'	*
		16	B & W	8:20	31° 35'	*
		17	R		30° 36'	
		18	Y		29° 20'	
		19	B & W	8:22	28° 18'	
		20	R		27° 16'	

CUT IN 26+00N

Remarks



CUT-IN 26+00N

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____ F.B. ____ Pg. 219

Notes Clkd ____ Checked ____ Survey by ____

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

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

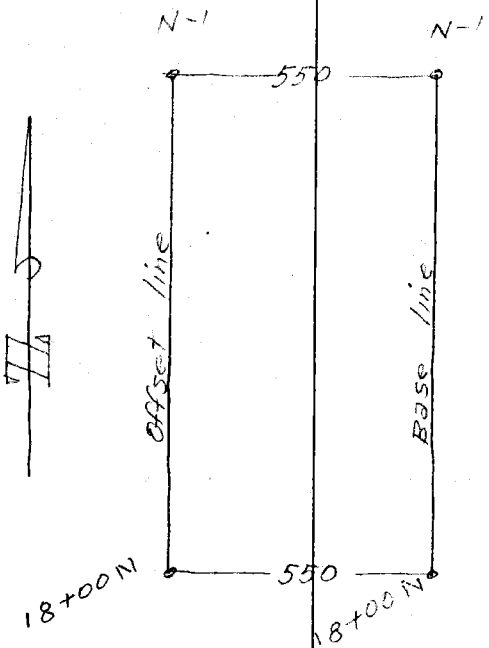
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
18+00N	N-1	21	Y		25° 20'		
		22	B & W	8:23	[illegible]		
		23	R		21° [illegible]		
		24	Y		19° 20'		
		25	B & W	8:26	23° 36'	*	
		26	R		24° 18'	*	
		27	Y		23° [illegible]	*	
		28	B & W	8:29	22° [illegible]	*	
		29	R		22° [illegible]	*	
		30	Y		22° [illegible]	*	
		31	B & W	8:30	21° [illegible]	*	
		32	R		21° 06'	*	
		33	Y		20° [illegible]	*	
		34	B & W	8:32	18° [illegible]		
		35	R		18° [illegible]	*	
		36	Y		18° [illegible]		
		37	B & W	8:34	18° [illegible]		
		38	R		18° [illegible]	*	
		39	Y		19° [illegible]		
		40	B & W	8:38	17° [illegible]		

CUT-IN 26+00N

26+00 N



F.B. 1887 PG. 220 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by F H B Notes ES Notes Chkd. Checked
Indexed Date 10/13/53 Date Date No.

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		26+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	8:05	31.5 30.6	30.9	4.5	26.4	1921	2471
2	R		29.5 28.5	28.8	4.5	24.3	1648	2198
3	Y		28.5 28.0	28.2	4.5	23.7	1541	2091
4	B&W	8:08	28.5 27.0	27.5	4.6	22.9	1359	1909
5	R		27.5 26.5	26.8	4.6	22.2	1227	1777
6	Y		27.0 25.0	25.7	4.6	21.1	1131	1681
7	B&W	8:11	26.8 25.0	25.6	4.6	21.0	1090	1641
8	R		25.9 24.8	25.2	4.6	20.6	910	1460
9	Y		25.2 24.4	24.7	4.6	20.1	819	1369
10	B&W	8:14	25.0 23.8	24.2	4.6	19.6	719	1269
11	R		24.0 22.8	23.2	4.6	18.6	641	1191
12	Y		22.7 22.0	22.2	4.6	17.6	562	1112
13	B&W	8:16	21.2 20.0	20.4	4.6	15.8	485	1035
14	R		22.8 21.5	21.9	4.6	17.3	543	1093
15	Y		23.0 21.3	21.9	4.6	17.3	529	1079
16	B&W	8:19	21.8 19.6	20.3	4.6	15.7	492	1042
17	R		21.0 20.0	20.3	4.7	15.6	473	1023
18	Y		20.2 19.1	19.5	4.7	14.8	450	1000
19	B&W	8:21	20.5 19.3	19.7	4.7	15.0	431	981
20	R		19.6 18.4	18.8	4.7	14.1	412	962

Profile Notes Red. CEM Plotted Job No. Division No.
Notes Chkd. Checked Survey by
No. Date 1-14-54 Date Map No. Indexed Date
F. B. 1887 PG. 221

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 1887 Pg. 222 Job No. 8412 Division No. Notes Red. CEM Plotted Date 12/16/53 Date Checked Notes Chkd. Date 1-4-54 Date Profile No. X-Sec. No.

Survey of Survey by Indexed Notes Date

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		26+00 N
Color Time	Depth	Bottom	Tide	Adj.	Depth	Remarks	
21 Y		18.8					
		17.7	18.1	4.7	13.4	379	929
22 B&W	8:23	17.7					
		17.0	17.2	4.7	12.5	353	903
23 R		17.2					
		16.3	16.6	4.7	11.9	314	864
24 Y		14.7					
		13.0	13.6	4.7	8.9	281	831
25 B&W	8:25	18.0					
		16.9	17.3	4.7	12.6	350	900
26 R		18.0					
		17.3	17.5	4.7	12.8	361	911
27 Y		18.1					
		16.5	17.0	4.7	12.3	348	898
28 B&W	8:27	17.5					
		17.0	17.2	4.7	12.5	335	885
29 R		17.7					
		16.7	17.0	4.7	12.3	328	878
30 Y		17.5					
		16.5	16.8	4.7	12.1	327	877
31 B&W	8:30	17.0					
		16.0				void 311	861
32 R		16.8					
		16.0	16.3	4.8	11.5	309	859
33 Y		15.1					
		14.6	14.8	4.8	10.0	294	844
34 B&W	8:32	14.0					
		13.0	13.3	4.8	8.5	270	820
35 R		13.5					
		12.5	12.8	4.8	8.0	270	820
36 Y		12.6					
		12.0	12.2	4.8	7.4	263	813
37 B&W	8:34	13.7					
		11.7	12.4	4.8	7.6	262	812
38 R		12.6					
		11.8	12.1	4.8	7.3	262	812
39 Y		14.5					
		13.0	13.5	4.8	8.7	284	834
40 B&W	8:38	12.5					
		11.0	11.5	4.8	6.7	255	805

BOAT 26+00 N

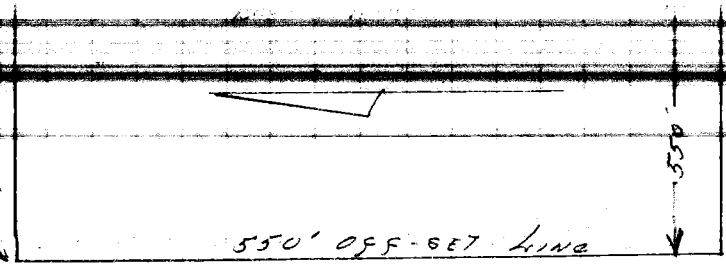
Profile No. _____ Notes Red _____ Plotted _____ Job No. 8412 Division No. _____

F.B. 1887 PG. 223

Date _____ Date _____ Survey of _____

Notes Chkd. _____ Checked _____ Survey by _____

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



RANGE 26+00N

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At 26X00	#	Color	Time	Hor. Ang.	
24+00 ON 550' OFF SET	41	R		90°00	
	42	Y		90°00	

26X00

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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

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	28+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
28+00	28+00 on 556' [illegible]	1	B+W	8:49	90°00		
RANGE 28+00 N		2	R		90°00		
		3	Y		90°00		
		4	B+W	8:51	90°00		
		5	R		90°00		
		6	Y		89°50		
		7	B+W	8:54	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B+W	8:57	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B+W	8:59	90°00		
		14	R		89°52		
		15	Y		90°00		
		16	B+W	9:01	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B+W	9:04	90°00		
		20	R		90°00		

F.B. 1877 PG. 224

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

Survey of Beach Erosion Date ____ Date ____ No. ____

Survey by F.H.B. Notes E.R. 11/13/53 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.

8

STATION		B. S.	H. I.	F. S.	ELEV.		CUT IN 26+00 N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
18+00N	N-1	41	R		16° 01'		
		42	Y	8:39	15° 02'		

CUT IN 26+00 N

Profile Notes Red ____ Plotted ____ Job No. 5412 Division No. ____ F.B. 1857 PG. 225

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

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.

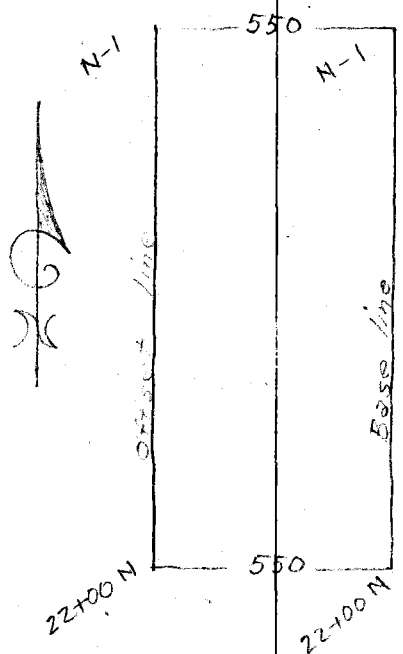
Do not extend notes this side of this line.

9

CUT IN 28+00 N

STATION		B. S.	H. I.	F. S.	ELEV.	Remarks
Inst. At	Sight On	#	Color	Time	Hor. Ang.	
22+00N	N-1	1	B & W	8:49	[illegible]	
		2	R		[illegible]	
		3	Y		6Y 51	
		4	B & W	8:51	[illegible]	
		5	R		[illegible]	
		* 6	Y		[illegible]	
		7	B & W	8:54	[illegible]	
		8	R		[illegible]	
		9	Y		5[illegible]08	
		10	B & W	8:57	[illegible]	
		11	R		[illegible]	
		12	Y		[illegible]	
		13	B & W	9:00	[illegible]	
		* 14	R		[illegible]	
		15	Y		[illegible]	
		16	B & W	9:02	[illegible]	
		17	R		[illegible]	
		18	Y		4[illegible] *	
		19	B & W	9:04	4[illegible]04 *	
		20	R		4[illegible]	

CUT-IN 28+00 N



NOTE: * BOAT WENT BACKOUT

F.B. 1887 PG. 226
Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Studies Date Date X-Sec.
Survey by E.H.B. Notes ES Notes Chkd. Checked No.
Indexed Date 10/13/53 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.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		26+00 N
# Color	Time	Meas Depth	Bottom	Tide	Adj. Depth		Remarks
41 R		10.9 10.2	10.4	4.8	5.6	230	780
42 Y		10.0 9.0	9.3	4.8	4.5	215	765

Profile Notes Red. CEM Plotted Job No. Division No.
No. Date 1-14-56 Date Map No. Indexed Date
F. B. 1887 Pg. 227

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.			28+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	8:48	31.3 30.7	30.9	4.9	26.0	1956	2506
2	R		30.2 29.0	29.4	4.9	24.5	1715	2265
3	Y		29.7 28.2	28.7 ~~28.5~~	4.9	23.8 ~~23.6~~	1474	2024
4	B&W	8:51	28.8 27.2	27.7	4.9	22.8	1296	1846
5	R		28.3 26.6	27.2	4.9	22.3	1231	1781
6	Y		28.0 26.7	27.1	5.0	22.1	1172	1722
7	B&W	8:54	26.9 26.0	26.3	5.0	21.3 ~~22.3~~	983	1533
8	R		26.2 25.6	25.8	5.0	20.8	865	1415
9	Y		26.1 25.0	25.4	5.0	20.4	830	1380
10	B&W	8:58	25.0 24.7	24.8	5.0	19.8	790	1340
11	R		25.0 24.0	24.3	5.0	19.3	749	1299
12	Y		24.4 23.3	23.7	5.0	18.7	696	1246
13	B&W	9:00	24.3 23.2	23.6	5.0	18.6	668	1218
14	R		24.3 23.0	23.4	5.0	18.4	638	1188
15	Y		22.7 22.0	22.2	5.0	17.2	585	1135
16	B&W	9:02	22.0 21.0	21.3	5.0	16.3	540	1090
17	R		20.6 19.0	19.5	5.0	14.5	494	1044
18	Y		22.5 21.5	21.8	5.0	16.8	568	1118
19	B&W	9:04	22.9 21.0	21.6	5.0	16.6	561	1111
20	R		22.3 21.0	21.4	5.0	16.4	550	1100

F. B. 1887 Pg. 228
Job No. 8412 Division No. ____ Notes Red. CEM Plotted ____ Profile
Survey of ____ Date 12/16/53 Date ____ No. ____
Survey by ____ Notes CEM Notes Chkd. KK Checked ____ X-Sec.
Indexed ____ Date 10/13/53 Date 1-14-54 Date ____ No. ____

76L298 307 10-51

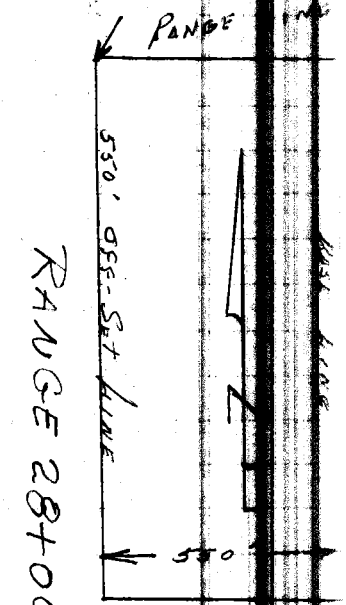
PLEASE RETURN TO

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	28+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	INSTR. [illegible]
28+00	26+00 on. 550' off	21	Y		90°00		28+0[illegible]-N
		22	B+W	9:06	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B+W	9:07	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B+W	9:09	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B+W	9:11	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B+W	9:13	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B+W	9:15	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B+W	9:16	90°00		



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

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

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	30+00
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
30+00	28+00 on [illegible]	1	B+W	9:30	[illegible]		
RANGE 30+00		2	R		9[illegible]11		
		3	Y		[illegible]		
		4	B+W	9:34	90[illegible]		
		5	R		9[illegible]		
		6	Y		89°45		
		7	B+W	9:37	90°00		
		8	R		90°[illegible]		
		9	Y		90°[illegible]		
		10	B+W	9:39	89°35		
		11	R		90°[illegible]		
		12	Y		90°[illegible]		
		13	B+W	9:41	90°[illegible]		
		14	R		90°[illegible]		
		15	Y		90°[illegible]		
		16	B+W	9:44	90°[illegible]		
		17	R		90[illegible]		
		18	Y		90°[illegible]		
		19	B+W	9:46	90°[illegible]		
		20	R		89°40		

F.B. 1887 Pg. 230 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of BEACH EROSION Date ____ Date ____ No. ____
Survey by FHB Notes E.R. (10/9/53) 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.

10

CUT IN 28+00N

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor. Ang.		Remarks
22+00N	N-1	21	Y		40°25	*	
		22	B&W	9:06	38°28		
		23	R		36°29		
		24	Y		33°58		
		25	B&W	9:08	31°28		
		26	R		29°55		
		27	Y		27°38		
		28	B&W	9:10	33°37	*	
		29	R		33°42	*	
		30	Y		31°37	*	
		31	B&W	9:12	31°23	*	
		32	R		30°51	*	
		33	Y		30°04	*	
		34	B&W	9:13	28°40	*	
		35	R		26°53		
		36	Y		25°29		NOTE: * BOAT WENT BACK OUT
		37	B&W	9:15	24°22		
		38	R		22°36		
		39	Y		21°42		
		40	B&W	9:17	21°08		

CUT-IN 28+00N

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

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

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

F.B. [illegible] 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.

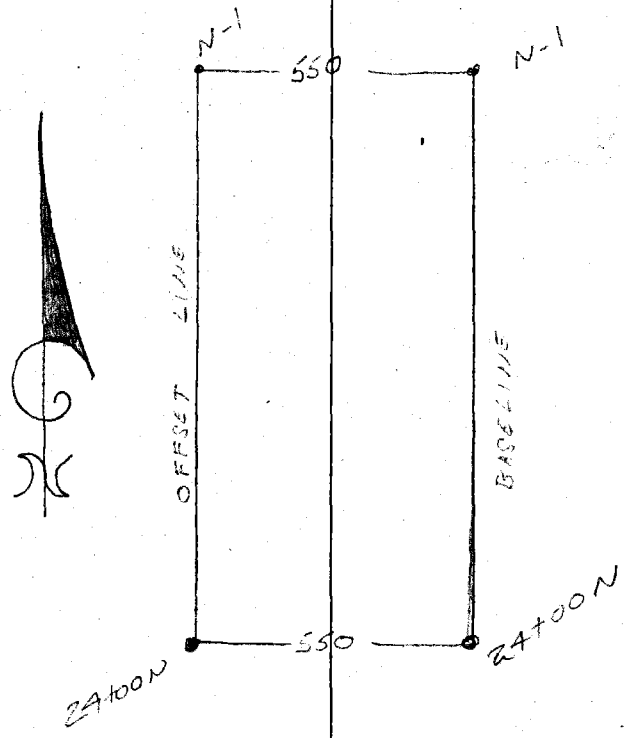
Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. At	Sight On	#	Color	Time	Hor. Ang.	
24+00N	N-1	1	B&W	9:30	7 [illegible]4	
550 OFF	550 OFF	* 2	R		7 10	
		3	Y		6 53	
		4	B&W	9:34	6 14	
		5	R		6 39	
		* 6	Y		6 32	
		7	B&W	9:37	5[illegible] 18	
		8	R		54°59	
		9	Y		5[illegible]°03	
		* 10	B&W	9:40	[illegible] 58	
		11	R		4[illegible] 28	
		12	Y		4[illegible] 52	
		13	B&W	9:41	4[illegible] 4	
		14	R		4[illegible] 8	
		15	Y		4[illegible] 2	
		16	B&W	9:44	4[illegible] 56	*
		17	R		4[illegible] 24	*
		18	Y		4[illegible] 24	*
		19	B&W	9:46	4[illegible] 38	*
		* 20	R		43°31	*

CUT-1 N 30+00 N

11
CUT IN 30+00 N

Remarks



NOTE: * BOAT WENT BACK OUT

F.B. 1887 PG. 232
Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Bezuk Erosion Studies Date Date X-Sec.
Survey by F.H.B. Notes VS Notes Chkd. Checked No.
Indexed Date 10/13/53 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.

STATION	B. S.	H. I.	F. S.	ELEV.			28+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks
21	Y		21.0 20.0	20.3	5.0	15.3	511	1061
22	B&W	9:06	19.6 18.8	19.1	5.1	14.0	477	1027
23	R		19.0 18.0	18.3	5.1	13.2	444	994
24	Y		17.6 17.0	17.2	5.1	12.1	404	954
25	B&W	9:08	17.8 16.7	17.1	5.1	12.0	367	917
26	R		17.0 16.0	16.3	5.1	11.2	345	895
27	Y		15.1 13.6	14.1	5.1	9.0	314	864
28	B&W	9:10	17.2 16.9	17.0	5.1	11.9	399	949
29	R		18.2 17.0	17.4	5.1	12.3	400	950
30	Y		17.6 16.1	16.6	5.1	11.5	369	919
31	B&W	9:12	17.9 16.6	17.0	5.1	11.9	366	916
32	R		17.4 16.3	16.7	5.1	11.6	358	908
33	Y		17.0 16.0	16.3	5.1	11.2	347	897
34	B&W	9:13	16.2 15.0	15.4	5.1	10.3	328	878
35	R		14.6 13.0	13.5	5.1	8.4	304	854
36	Y		13.0 12.0	12.3	5.1	7.2	286	836
37	B&W	9:15	12.1 11.0	11.4	5.1	6.3	272	822
38	R		11.0 10.0	10.3	5.1	5.2	250	800
39	Y		9.7 9.0	9.2	5.1	4.1	239	789
40	B&W	9:17	9.6 8.8	8.5	5.1	3.4	232	782

Profile Notes Red CEM Plotted Job No. Division No.
Notes Chkd. Checked Survey By
No. Date 1-14-54 Date Map No. Indexed Date
F. B. 1887 Pg. 233

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		30+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
1	B&W	9:30	34.7 33.5	33.9	5.2	28.7	1971	2521
2	R		32.7 31.5	31.9	5.2	26.7	1674	2224
3	Y		31.0 29.8	30.2	5.3	24.9	1477	2027
4	B&W	9:34	30.1 29.2	29.5	5.3	24.2	1331	1881
5	R		30.0 28.7	29.1	5.3	23.8	1211	1761
6	Y		29.0 28.3	28.5	5.3	23.2	1196	1746
7	B&W	9:37	28.2 27.8	27.9	5.3	22.6	971	1521
8	R		28.2 26.0	26.7	5.3	21.4	856	1406
9	Y		26.9 25.7	26.1	5.3	20.8	797	1347
10	B&W	9:40	26.2 25.1	25.5	5.3	20.2	758	1308
11	R		25.9 24.0	24.6	5.3	19.3	701	1251
12	Y		24.8 23.9	24.2	5.3	18.9	667	1217
13	B&W	9:42	24.0 22.9	23.3	5.3	18.0	626	1176
14	R		22.3 21.5	21.8	5.3	16.5	585	1135
15	Y		21.2 19.3	19.9	5.3	14.6	544	1094
16	B&W	9:44	24.0 23.2	23.5	5.3	18.2	642	1192
17	R		24.0 23.0	23.3	5.3	18.0	630	1180
18	Y		23.2 22.1	22.5	5.3	17.2	608	1158
19	B&W	9:46	23.0 21.8	22.2	5.3	16.9	592	1142
20	R		21.9 21.0	21.3	5.3	16.0	566	1116

F. B. 1887 Pg. 234
Job No. ____ Division No. ____ Notes Red. CEM Date 12/16/53 Plotted ____ Date ____ Profile ____ No. ____
Survey of ____ Notes ____ Date ____ Checked ____ Date ____ X-Sec. ____ No. ____
Survey by ____ Notes ____ Date ____ Checked ____ Date ____
Indexed ____

76L298 307 10-51

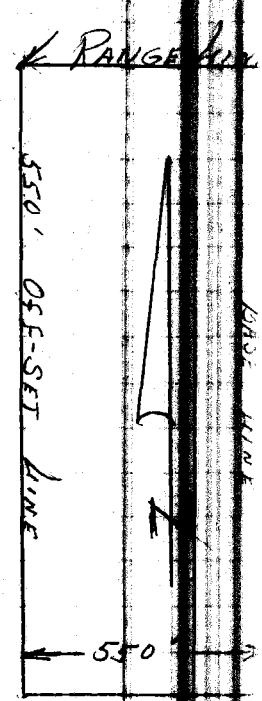
PLEASE RETURN TO

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	30+00 N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	INSTR- 30+00 N
30+00	28+00 OA 550' OFF-SET	21	Y		90°00		
		22	B+W	9:48	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B+W	9:50	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B+W	9:53	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B+W	9:54	90°00		
		32	R		90°00		
		33	Y		90°16		
		34	B+W	9:57	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B+W	9:59	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B+W	10:01	90°00		



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

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

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

F.B. 1887 PG. 235

F.B. 1887 PG. 236 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

Survey by FHB Notes ER (10/13 53) Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

RANGE 30+00 N

STATION	B.S.	H.I.	F.S.	ELEV.	Remarks
Inst. Sight At On	#	Color	Time	Hor. Ang.	
30+00 28+00 on 5:30 off set	41	R		90.00	
	42	Y		90.00	
	43	B&W	10:04	90.00	
	44	R		90.00	
	45	Y		90.00	
	46	B&W			

RANGE 30+00 - N

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.	CUT-IN 30+00 N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks
24+00N	N-1	21	Y		42°11	
550 off	550 of	22	B&W	9:48	40°44	
		23	R		39°18	
		24	Y		36°20	
		25	B&W	9:51	41°22 *	
		26	R		39°23 *	
		27	Y		37°18 *	
		28	B&W	9:53	35°09	
		29	R		32°20	
		30	Y		30°32	
		31	B&W	9:55	28°41	
		32	R		30°55 *	
		* 33	Y		30°30 *	
		34	B&W	9:58	31°33 *	
		35	R		29°12 *	
		36	Y		26°29	NOTE: * BOAT WENT BACKOUT
		37	B&W	10:00	31°11 *	
		38	R		29°52 *	
		39	Y		28°50 *	
		40	B&W	10:02	29°45 *	

CUT-IN 30+00 N

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

F.B. 1887 PG. 237

F.B. 1887 PG. 238 Job No. 8412 Division No. _____ Notes Red. _____ Plotted _____ Profile

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

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

Indexed _____ Date 10/13/63 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 30+00N
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
24+00N N-1	41	R		[illegible] 44 *	
550 off 550 off	42	Y		[illegible] 8 [illegible]	
	43	BTW	10:20 A	[illegible] 47	
	44	R		[illegible] 52	
	45	Y		[illegible] 2	

CUT-IN 30+00N

NOTE: * GOOD WENT BACK OUT

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		30+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
21	Y		21.1					
			20.0	20.4	5.3	15.1	544	1094
22	B&W	9:48	20.0					
			18.9	19.3	5.4	13.9	517	1067
23	R		19.4					
			18.0	18.5	5.4	13.1	491	1041
24	Y		18.0					
			16.0	16.7	5.4	11.3	441	991
25	B&W	9:51	20.0					
			19.5	19.7	5.4	14.3	528	1078
26	R		19.0					
			17.9	18.3	5.4	12.9	493	1043
27	Y		18.0					
			17.0	17.3	5.4	11.9	457	1007
28	B&W	9:53	17.1					
			16.2	16.5	5.4	11.1	422	972
29	R		16.2					
			15.1	15.5	5.4	10.1	380	930
30	Y		15.3					
			14.7	14.9	5.4	9.5	354	904
31	B&W	9:55	13.3					
			12.7	12.9	5.4	7.5	328	878
32	R		15.0					
			14.0	14.3	5.4	8.9	359	909
33	Y		15.8				355	
			14.7				Void	905
34	B&W	9:58	15.9					
			15.1	15.4	5.4	10.0	368	918
35	R		14.1					
			13.1	13.4	5.4	8.0	335	885
36	Y		11.8					
			11.0	11.3	5.4	5.9	299	849
37	B&W	10:00	15.9					
			15.0	15.3	5.4	9.9	363	913
38	R		14.5					
			13.6	13.9	5.4	8.5	345	895
39	Y		13.9					
			12.8	13.2	5.4	7.8	330	880
40	B&W	10:02	14.0					
			13.3	13.5	5.4	8.1	343	893

Profile Notes Red CEM Plotted Checked Survey By Job No. 2112 Division No.
Notes Chkd. Date Map No. Indexed Date
No. Date Date

F. B. 1887 Pg. 239

F. B. 1887 Pg. 240 Job No. 8412 Division No. Notes Red. CEM Date 12/16/53 Plotted Date Profile No.
Survey of Notes CEM 10/13/53 Notes Chkd Date X-Sec. No.
Survey by Date Checked Date
Indexed

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.			30+00 N
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth		Remarks
41 R		13.5 12.1	12.6	5.4	7.2	329	879
42 Y		13.0 11.0	11.7	5.4	6.3	314	864
43 B&W	10:04	11.1 10.0	10.4	5.5	4.9	290	840
44 R		10.0 8.9	9.3	5.5	3.8	265	815
45 Y		8.6 7.0	7.5	5.5	2.0	239	789

BOAT 30+00 N

76L298 307 10-51

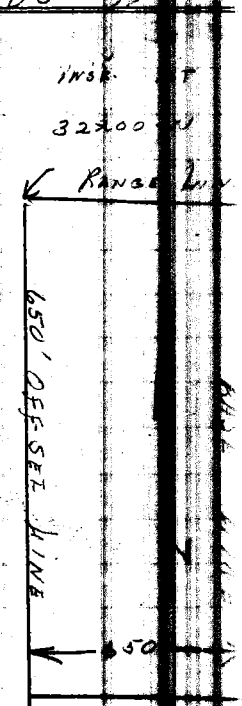
PLEASE RETURN TO

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	32+00 - N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
	34+00 Fore Sight						
32+00	650' off	1	B+W	10:31	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B+W	10:33	89°50		
		5	R		90°00		
		6	Y		90°00		
		7	B+W	10.36	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B+W	10:38	90°00		
		11	R		89°41		
		12	Y		90°00		
		13	B+W	10:41	90°00		
		14	R		90°00		
		15	Y		90°28		
		16	B+W	10:43	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B+W	10:45	90°00		
		20	R		90°00		



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

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

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

F.B. 1887 PG. 241

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	32+00 -N-
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
	34+00						
32+00	650' Off Set	21	Y		90°00		
RANGE 32+00 N		22	B+W	10:47	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B+W	10:50	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B+W	10:51	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B+W	10:54	90°00		
		32	R		90°00		
		33	Y		90°00		
		34	B+W	10:56	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B+W	10:58	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B+W	11:00	90°00		

F.B. 1887 PG. 242 Job No. 8412 Division No. Notes Red. Plotted Date No. Profile
Survey of Beach Erosion Study Date Date X-Sec.
Survey by Notes ER (10/13/53 Notes Chkd. Checked
Indexed Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

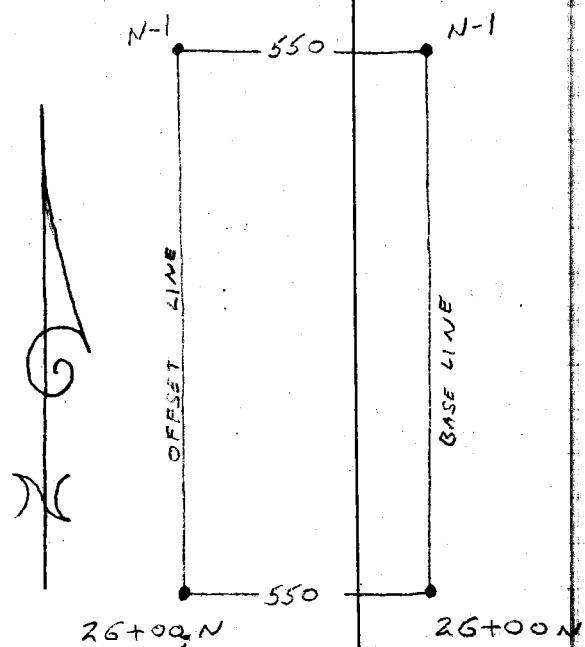
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

CUT-IN 32+00 N

STATION		B. S.	H. I.	F. S.	ELEV.	
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks
26+00N	N-1	1	B&W	10:30	72°49	
550 off	550 off	2	R		68°49	
		3	Y		66°44	
		* 4	B&W	10:33	65°26	
		5	R		66°11	*
		6	Y		63°00	
		7	B&W	10:36	61°36	
		8	R		59°41	
		9	Y		57°35	
		10	B&W	10:39	56°27	
		* 11	R		55°29	
		12	Y		54°43	
		13	B&W	10:41	54°28	
		14	R		53°49	
		* 15	Y		52°10	
		16	B&W	10:43	55°05	*
		17	R		54°44	*
		18	Y		53°32	*
		19	B&W	10:46	52°41	*
		20	R		51°39	



NOTE: * BOAT WENT BACK OUT

CUT-IN 32+00 N

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

F.B. 1887 PG. 243

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-1N 32+00N

STATION		B. S.	H. I.	F. S.	ELEV.		
Inst. At	Sight On	#	Color	Time	Hor, Ang.		Remarks
26+00N	N-1	21	Y		[illegible]31		
550 off	550 off	22	B&W	10:48	[illegible]10		
CUT-1N 32+00N		23	R		50°29	*	
		24	Y		[illegible]36	*	
		25	B&W	10:50	[illegible]		
		26	R		[illegible]		
		27	Y		46°46		
		28	B&W	10:52	[illegible]		
		29	R		[illegible]		
		30	Y		[illegible]		
		31	B&W	10:54	42°03		
		32	R		[illegible]		
		33	Y		[illegible]		
		34	B&W	10:56	[illegible]		
		35	R		[illegible]		* BOAT WENT BACK OUT
		36	Y		[illegible]		
		37	B&W	10:58	[illegible]		
		38	R		[illegible]		
		39	Y		[illegible]		
		40	B&W	11:01	[illegible]	*	

F.B. 1887 PG. 244 Job No. 8412 Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of BEACH EROSION STUDIES Date ____ Date ____ No. ____
Survey by FHB Notes JU. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed ____ Date 10-13-53 Date ____ Date ____ No. ____

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		32+00 N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	[illegible]	[illegible]
1	B&W	10:29	36.0 35.5	35.7	5.6	30.1	1940	2490
2	R		32.2 31.2	31.5	5.6	25.9	1548	2098
3	Y		30.4 29.5	29.8	5.6	24.2	1396	1946
4	B&W	10:33	30.0 28.9	29.3	5.6	23.7	1303	1853
5	R		30.4 29.0	29.5	5.6	23.9	1359	1909
6	Y		28.5 27.9	28.1	5.6	22.5	1178	1728
7	B&W	10:36	27.9 27.0	27.3	5.6	21.7	1109	1659
8	R		27.3 26.0	26.4	5.6	20.8	1026	1576
9	Y		26.5 24.9	25.4	5.6	19.8	945	1495
10	B&W	10:39	26.0 24.9	25.3	5.6	19.7	905	1455
11	R		25.0 23.7	24.1	5.6	18.5	866	1416
12	Y		23.9 23.2	23.4	5.6	17.8	848	1398
13	B&W	10:41	24.4 23.1	23.5	5.6	17.9	840	1390
14	R		24.0 23.0	23.3	5.6	17.7	820	1370
15	Y		22.0 21.3	21.5	5.6	15.9	786	1336
16	B&W	10:44	24.5 23.9	24.1	5.6	18.5	860	1410
17	R		24.0 23.1	23.4	5.6	17.8	848	1398
18	Y		24.1 22.3	22.9	5.6	17.3	812	1362
19	B&W	10:46	22.9 22.0	22.3	5.6	16.7	787	1337
20	R		21.6 20.5	20.9	5.6	15.3	758	1308

Profile Notes Red CEM Plotted ____ Job No. 8412 Division No. ____ F. B. 1887 Pg. 245

No. ____ Date 12/16/52 Date ____ Survey of ____

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

BOAT 32+00 N

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		32+00 N
#	Color	Time	Meas. Depth	Bottom Tide	Adj.	Depth	Remarks
21 Y		20.9 20.1	20.4	5.6	14.8	728	1278
22 B&W	10:48	19.7 18.3	18.8	5.6	13.2	694	1244
23 R		20.8 20.0	20.3	5.6	14.7	727	1277
24 Y		20.7 18.8	19.4	5.6	13.8	706	1256
25 B&W	10:50	19.3 18.5	18.8	5.6	13.2	690	1240
26 R		18.8 18.0	18.3	5.6	12.7	665	1215
27 Y		18.0 17.0	17.3	5.6	11.7	638	1188
28 B&W	10:52	17.5 16.5	16.8	5.6	11.2	601	1151
29 R		17.8 15.9	16.5	5.6	10.9	589	1139
30 Y		17.3 15.7	16.2	5.6	10.6	577	1127
31 B&W	10:55	16.9 15.0	15.6	5.6	10.0	541	1091
32 R		16.0 15.0	15.3	5.6	9.7	518	1068
33 Y		15.8 14.0	14.6	5.6	9.0	486	1036
34 B&W	10:57	15.5 13.7	14.3	5.6	8.7	462	1012
35 R		15.1 13.5	14.0	5.6	8.4	430	980
36 Y		14.2 13.0	13.4	5.6	7.8	396	946
37 B&W	10:58	13.0 11.9	12.3	5.6	6.7	363	913
38 R		11.7 9.3	10.1	5.6	4.5	323	873
39 Y		9.1 7.1	7.8	5.6	2.2	308	858
40 B&W	11:01	11.4 10.0	10.5	5.6	4.9	338	888

BOAT 32+00 N

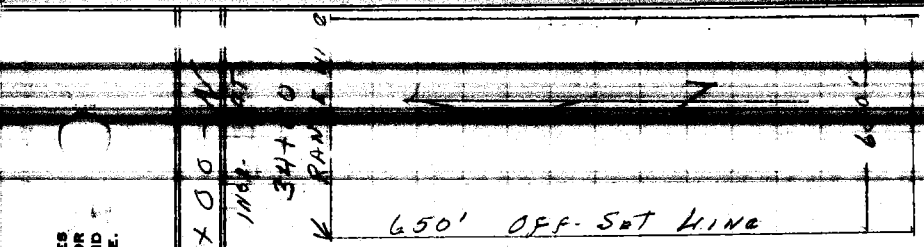
F.B. 1887 Pg. 246

Job No. 8412 Division No. Notes Red. CEM Plotted Profile
Survey of Notes CEM 10 13 53 Date 12/16/53 Date No. X-Sec.
Survey by Date Notes Chkd. Checked
Indexed Date 1-14-54 No.

Profile No. | Notes Red. | Plotted | Job No. | Division No. | F.B. 1887 PG. 247

Notes Chkd. | Checked | Survey by | Notes

No. | Date | Date | Map No. | Indexed | Date



RANGE 32+00N

STATION	B.S.	H.I.	F.S.	ELEV.	RANGE	32+00
Inst. Sight At 32+00	#	Color	Time	Hor. Ang.	Remarks	
34+00 650' OFF SET	41	R		90°00		

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.

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	34+00 - N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
	32+00						
34+00	650 OFF SET	1.	B+W	11:15	90°00		
RANGE 34+00N		2	R		90°00		
		3	Y		90°00		
		4	B+W	11 21	90°00		
		5	R		89°55		
		6	Y		90°00		
		7	B+W	11:23	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B+W	11.26	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B+W	11:28	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B+W	11:30	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B+W	11:32	90°00		
		20	R		90°00		

F.B. 1987 PG. 248 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Study Date Date X-Sec.
Survey by F.H.B. Notes ER 10-13-53 Notes Chkd. Checked No.
Indexed 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.

STATION		B. S.	H. I.	F. S.	ELEV.		CUT-IN 32+00N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
26+00 N	N-1	41	R		29°37		
550 off	550 off						

CUT-IN 32+00N

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

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

Notes Chkd ____ Checked ____ Survey by [illegible]

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

F.B. 1887 PG. 249

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

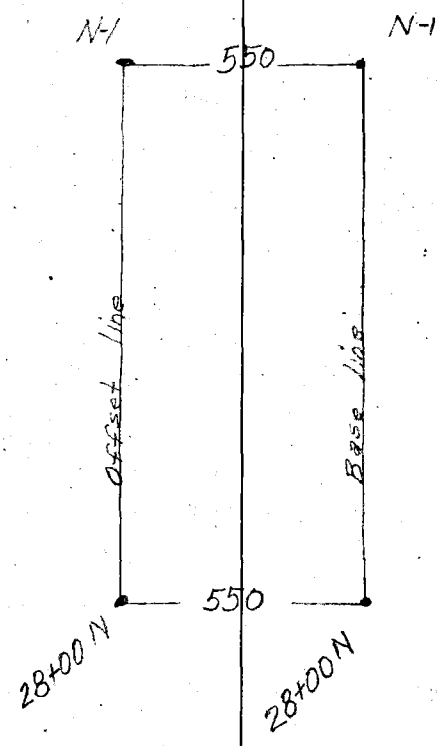
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

CUT-IN 34+00 N

STATION Inst. At	Sight On	B. S. #	H. I. Color	F. S. Time	ELEV. Hor. Ang.	Remarks
28+00 N	N-1	1	B+W	11:16	72° 43'	
550 OFF	550 OFF	2	R		69° 01'	
		3	Y		69° 49'	*
		4	B+W	11:22	68° 27'	
		* 5	R		67° 03'	
		6	Y		65° 26'	
		7	B+W	11:25	64° [illegible]'	
		8	R		62° 56'	
		9	Y		61° 52'	
		10	B+W	11:27	60° 42'	
		11	R		59° 14'	
		12	Y		57° 20'	
		13	B+W	11:29	55° 51'	
		14	R		53° 17'	
		15	Y		50° 25'	
		16	B+W	11:30	48° 22'	
		17	R		46° 06'	
		18	Y		48° [illegible]'	*
		19	B+W	11:32	45° 47'	
		20	R		45° 24'	

CUT-IN 34+00



F.B. 1887 Pg. 210 Job No. 8412 Division No. Notes Red. Plotted No. Profile
Survey of Beach Erosion Studies Date Date X-Sec.
Survey by FHB Notes F.S. Notes Chkd. Checked No.
Indexed Date 10-13-53 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.

STATION	B. S.	H. I.	F. S.	ELEV.	BOAT		32+00 N
# Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41 R	11:02	12.0 10.9	11.3	5.6	5.7	341	891

Profile Notes Red CEM Plotted Job No. Division No.

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

F. B. 1887 Pg. 257

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		34+00 N
#	Color Time	Meas. Depth	Bottom Tide		Adj. Depth	Remarks	
1	B&W 11:15	35.4 33.9	34.4	5.6	28.8	1928	2478
2	R	32.1 30.6	31.1	5.6	25.5	1564	2114
3	Y	32.3 31.0	31.4	5.6	25.8	1632	2182 Ran out of gas
4	B&W 11:22	31.8 30.1	30.7	5.6	25.1	1519	2069
5	R	30.2 29.0	29.4	5.6	23.8	1411	1961
6	Y	29.2 28.0	28.4	5.6	22.8	1313	1863
7	B&W 11:24	28.5 28.0	28.2	5.6	22.6	1240	1790
8	R	28.1 27.0	27.4	5.6	21.8	1174	1724
9	Y	28.0 26.0	26.7	5.6	21.1	1122	1672
10	B&W 11:26	27.1 26.4	26.6	5.6	21.0	1069	1619
11	R	26.4 25.1	25.5	5.6	19.9	1008	1558
12	Y	26.0 24.8	25.2	5.6	19.6	935	1485
13	B&W 11:29	25.8 24.1	24.7	5.6	19.1	884	1435
14	R	24.1 23.1	23.4	5.6	17.8	804	1354
15	Y	23.8 22.1	22.7	5.6	17.1	726	1276
16	B&W 11:30	22.0 21.0	21.3	5.6	15.7	675	1225
17	R	20.0 19.2	19.5	5.6	13.9	623	1173
18	Y	21.9 21.0	21.3	5.6	15.7	674	1224
19	B&W 11:33	20.0 19.3	19.5	5.6	13.9	617	1167
20	R	20.0 18.2	18.8	5.6	13.2	612	1162

BOAT 34+00N

F. B. 1887 PG. 252

Job No. 8412 Division No. ____ Notes Red. CEM Date 12/16/53 Plotted ____ Date ____ Profile ____ No. ____

Survey of ____ Notes CEM Date 10/13/53 Notes Chkd. KK Date 1-19-54 Checked ____ Date ____ X-Sec. ____ No. ____

Survey by ____ Date ____

Indexed ____

76L298 307 10-51

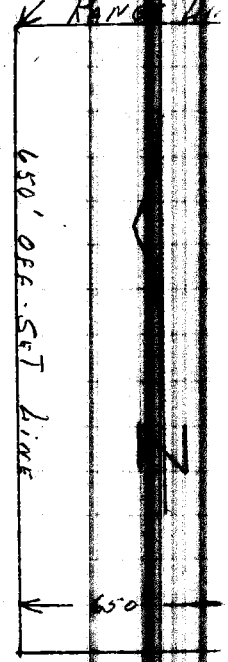
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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 34+00

STATION		B. S.	H. I.	F. S.	ELEV.		Remarks
Inst. At	Sight On	#	Color	Time	Hor. Ang.		
34+00	32+00 650' off	SET 21	Y		90°00		
		22	B+W	11:35	90°00		
		23	R		90°00		
		24	Y		90°00		
		25	B+W	11:37	90°00		
		26	R		90°00		
		27	Y		90°00		
		28	B+W	11:39	90°00		
		29	R		90°00		
		30	Y		90°00		
		31	B+W	11:42	90°00		
		32	R		90°00		
		33	Y		90°32		
		34	B+W	11:44	90°00		
		35	R		90°00		
		36	Y		90°00		
		37	B+W	11:46	90°00		
		38	R		90°00		
		39	Y		90°00		
		40	B+W	11:49	90°00		



RANGE 34+00N

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

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

F.B. ____ PG. 203

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	34+00-N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
34+00	32+00 650' off	Set 41	R		90°00		
		42	Y		90°00		
		43	B+W	1150	90°00		
		44	R		90°00		

RANGE 34+00N

F.B. PG. 254 Job No. Division No. Notes Red. Plotted Profile
Survey of Date Date No. X-Sec.
Survey by Notes Notes Chkd. Checked
Indexed Date Date Date No.

76L298 307-10-51

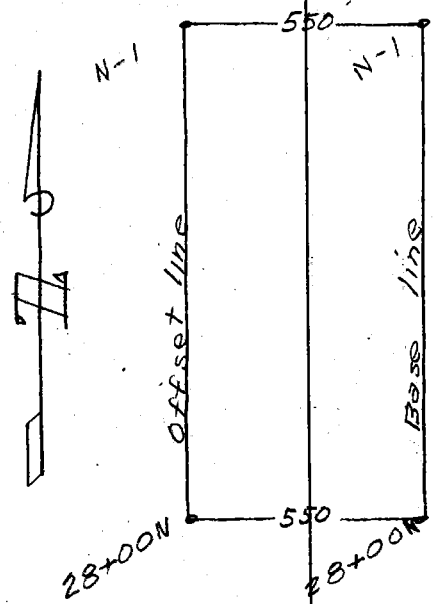
PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Cut In 34+00N
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks
28+00 N N-1	21	Y		46° 57'	
550 Offset 550 Offset	22	B & W	11:35	48° 12'	*
	23	R		45° 12'	
	24	Y		42° 02'	
	25	B & W	11:37	43° 12'	*
	26	R		46° 00	*
	27	Y		43° 34'	*
	28	B & W	11:40	44° 43	*
	29	R		43° 52'	
	30	Y		42° 00'	
	31	B & W	11:44	40° 15'	
	32	R		37° 50'	
	* 33	Y		35° 10'	
	34	B & W	11:45	31° 34'	
	35	R		33° 53'	*
	36	Y		32° 15'	
	37	B & W	11:46	28° 31'	
	38	R		30° 16'	
	39	Y		28° 07'	
	40	B & W	11:49	24° 03'	



CUT IN 34+00N

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

Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of ____

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

F.B. 1587 PG. 255

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	34+00 N
Inst. At / Sight On	#	Color	Time	Hor. Ang.		Remarks
28+00 N / N-1	41	R		25° 42'		
550 Offset / 550 Offset	42	Y		25° 40'		
	43	B & W	11:50	27° 10'	*	
	44	R		27° 15'	*	
	45	Y				

CUT-IN 34+00 N

F.B. 188 PG. 256

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

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

Survey by FHB Notes E.S. Notes Chkd. ____ Checked ____ X-Sec.

Indexed ____ Date 10-13-53 Date ____ Date ____ No. ____

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION		B. S.	H. I.	F. S.	ELEV.	BOAT		34+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		20.8 19.0	19.6	5.6	14.0	642	1192
22	B&W	11:36	21.2 20.0	20.4	5.6	14.8	710	1260
23	R		19.5 18.3	18.7	5.6	13.1	604	1154
24	Y		17.0 16.0	16.3	5.5	10.8	541	1091
25	B&W	11:38	18.1 16.5	17.0	5.5	11.5	563	1113
26	R		20.5 19.1	19.6	5.5	14.1	621	1171
27	Y		17.8 16.3	16.8	5.5	11.3	571	1121
28	B&W	11:40	19.2 18.0	18.4	5.5	12.9	694	1244
29	R		18.8 17.0	17.6	5.5	12.1	577	1127
30	Y		16.8 16.0	16.3	5.5	10.8	540	1090
31	B&W	11:43	15.8 14.9	15.2	5.5	9.7	508	1058
32	R		15.5 13.8	14.4	5.5	8.9	466	1016
33	Y		14.0 12.9	13.3	5.5	7.8	426	976
34	B&W	11:45	12.6 11.1	11.6	5.5	6.1	369	919
35	R		13.5 12.9	13.1	5.5	7.6	403	953
36	Y		13.0 12.0	12.3	5.5	6.8	378	928
37	B&W	11:47	11.1 9.0	9.7	5.5	4.2	326	876
38	R		11.0 10.6	10.7	5.5	5.2	320	870
39	Y		10.1 8.8	9.2	5.5	3.7	321	871
40	B&W	11:49	6.5 5.5	5.8	5.5	0.3	268	818

BOAT 34+00N

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

F. B. 1887 Pg. 257

76L298 307 4-50

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH 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		34+00N
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
41	R		8.0 7.0	7.3	5.5	1.8	289	839
42	Y		8.5 6.9	7.4	5.5	1.9	288	838
43	B & W	11:51	9.1 8.0	8.4	5.5	2.9	308	858
44	R		9.5 7.8	8.4	5.5	2.9	313	863

BOAT 34+00N

F. B. 1887 Pg. 258

Job No. ____ Division No. ____ Notes Red. CEM Date 12/16/53 Plotted ____ Date ____ No. ____ Profile

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

Survey by ____ Date ____ Date ____ Date ____

Indexed ____

76L298 307 10-51

PLEASE RETURN TO

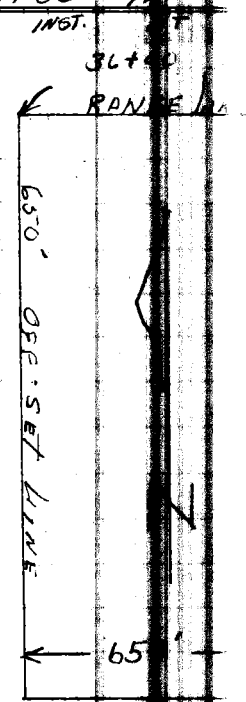
LOS ANGELES COUNTY SURVEYOR

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	36+00 N
Inst. Sight At	On	#	Color	Time	Hor. Ang.	Remarks	
	34+00						
36+00	650' OFF-SET	1	B+W	12:01	90°00		
		2	R		90°00		
		3	Y		90°00		
		4	B+W	12:03	90°00		
		5	R		90°00		
		6	Y		90°00		
		7	B+W	12:05	90°00		
		8	R		90°00		
		9	Y		90°00		
		10	B+W	12:07	90°00		
		11	R		90°00		
		12	Y		90°00		
		13	B+W	12:09	90°00		
		14	R		90°00		
		15	Y		90°00		
		16	B+W	12:12	90°00		
		17	R		90°00		
		18	Y		90°00		
		19	B+W	12:13	90°00		
		20	R		90°00		



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

Notes Chkd ____ Checked ____ Survey of ____

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

F.B. 1887 PG. 259

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	36+00 N
Inst. At	Sight On	#	Color	Time	Hor. Ang.	Remarks	
36+00	34+00 650' OFF	SET 21	Y		90		
		22	B+W	12:14	90		
		23	R		90		
		24	Y		90		
		25	B+W	12:15	90		
		26	R		90		
		27	Y		90		
		28	B+W	12:16	90		
		29	R		90		
		30	Y		90		
		31	B+W	12:17	90		
		32	R		90		
		33	Y				
		34	B+W				
		35					
		36					
		37					
		38					
		39					
		40					

RANGE 36+00 N

F.B. 1887 PG. 260

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

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

Survey by EH.B Notes ER. 10/21/53 Notes Chkd. _____ Checked _____ No. _____

Indexed _____ Date _____ Date _____ Date _____

76L298 307 10-51

PLEASE RETURN TO

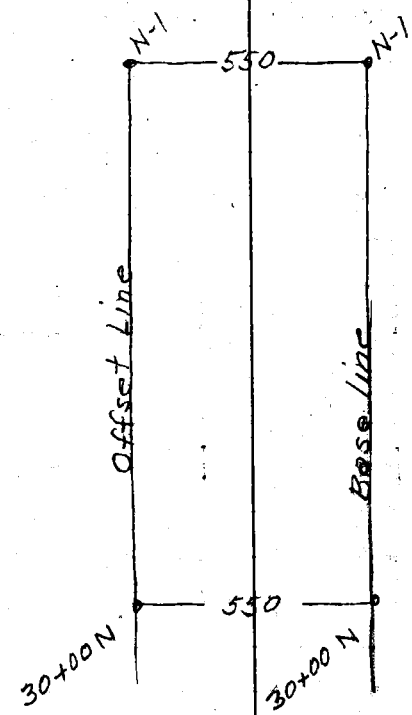
LOS ANGELES COUNTY SURVEYOR

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.

STATION	B. S.	H. I.	F. S.	ELEV.	Cut 1h	36+00 N
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
30+00N N-1	1	B & W	12:00	69° 18'		
550 Offset 550 Offset	2	R		65° 13'		
	3	Y		61° 58'		
	4	B & W	12:04	59° 31'		
	5	R		57° 12'		
	6	Y		55° 21'		
	7	B & W	12:06	52° 53'		
	8	R		49° 48'		
	9	Y		46° 44'		
	10	B & W	12:08	46° 43'		
	11	R		46° 53' *		
	12	Y		47° 36' *		
	13	B & W	12:10	48° 54' *		
	14	R		50° 05' *		
	15	Y		46° 28'		
	16	B & W	12:12	45° 09'		
	17	R		43° 30'		
	18	Y		42° 13'		
	19	B & W	12:13	41° 12'		
	20	R		40° 27'		



Cut 1h 36+00 N

Profile
Notes Red ____ Plotted ____ Job No. 84 Division No. ____
No. ____ Date ____ Date ____ Survey of ____
Notes Chkd ____ Checked ____ Survey by ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1387 PG. 261

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.	36+00 N
Inst. Sight At On	#	Color	Time	Hor. Ang.	Remarks	
CUT-IN 36+00N	21	Y		39° 42'		
	22	B & W	12:15	38° [illegible]		
	23	R		37° [illegible]		
	24	Y		35° [illegible]		
	25	B & W	12:15	34° [illegible]		
	26	R		33° [illegible]		
	27	Y		32° [illegible]		
	28	B & W	12:16	30° [illegible]		
	29	R		29° [illegible]		
	30	Y		28° [illegible]		
	31	B & W	12:17	28° [illegible]		
	32	R		26° [illegible]		

F.B. 1887 PG. 262 Job No. 8412 Division No. Notes Red. Plotted Profile
Survey of Beach Erosion Studies Date Date No. X-Sec.
Survey by F.H.B. Notes E.S. Notes Chkd. Checked
Indexed Date 10-13-53 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.			36+00
#	Color	Time	Meas. Depth	Bottom	Tide	Adj. Depth	Remarks	
1	B&W	12:01	31.5 30.9	31.1	5.4	25.7	1588	2138
2	R		29.8 29.0	29.3	5.4	23.9	1299	1849
3	Y		28.0 26.5	27.0	5.4	21.6	1127	1677
4	B&W	12:04	27.0 25.9	26.3	5.4	20.9	1019	1569
5	R		26.3 24.9	25.4	5.4	20.0	931	1481
6	Y		25.5 24.5	24.8	5.4	19.4	868	1418
7	B&W	12:06	25.0 23.5	24.0	5.3	18.7	793	1343
8	R		23.5 22.7	23.0	5.3	17.7	710	1260
9	Y		21.9 20.9	21.2	5.3	15.9	637	1187
10	B&W	12:08	21.6 20.1	20.6	5.3	15.3	637	1187
11	R		22.7 21.0	21.6	5.3	16.3	641	1191
12	Y		23.0 21.0	21.7	5.3	16.4	657	1207
13	B&W	12:10	23.2 21.0	21.7	5.3	16.4	688	1238
14	R		24.1 23.0	23.4	5.3	18.1	717	1267
15	Y		22.5 21.1	21.6	5.3	16.3	631	1181
16	B&W	12:12	21.0 18.9	19.6	5.3	14.3	603	1153
17	R		18.9 17.5	18.0	5.3	12.7	569	1119
18	Y		18.7 17.3	17.8	5.3	12.5	544	1094
19	B&W	12:14			5.3		525	1075
20	R		18.0 17.0	17.3	5.3	12.0	512	1062

Profile Notes Red CEM Plotted Job No. Division No.

No. Date 12/16/53 Date Survey of

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

F.B. 1887 Pg. 263

307 10-51

1887

#	Color	Ti[illegible]	[illegible]as. Depth	Bottom	Tide	Adj. Depth	Remarks	
21	Y		17.1 / 15.7	16.2	5.[illegible]	[illegible]	498	1048
22	B&W	12:[illegible]	16.2 / 14.9	[illegible]3	5.3	[illegible].0	479	1029
23	R		16.[illegible] / 14.[illegible]	15[illegible]	5.3	[illegible]0.1	458	1008
24	Y		15.[illegible] / 13.[illegible]	[illegible]2	[illegible]	8.9	434	984
25	B&W	12:[illegible]	15.2 / 14.0	14.4	5.3	9.1	418	968
26	R		14.0 / 13.2	13.5	5.3	8.2	400	950
27	Y		13.6 / 12.5	12.9	5.3	7.6	383	933
28	B&W	12:16	12.8 / 11.0	11.6	5.3	6.3	356	906
29	R		12.3 / 11.0	11.4	5.3	6.1	341	891
30	Y		12.0 / 10.5	11.0	5.3	5.7	330	880
31	B&W	12:17	12.2 / 10.0	10.7	5.3	5.4	320	870
32	R		9.5 / 8.1	8.6	5.3	3.3	298	848

BOAT 36+00N

Profile No. X-Sec.

Plotted Date

Checked Date

Notes Red CEM Date 12/16/53

Notes Chkd Date

Division No. Notes 10/13/53

Job No. Date

Survey of Survey by Indexed

Pg. [illegible]