Profile Notes Red. Plotted H. U. M. Ho
Date 1946-1947 Survey of Beach Erosion
Chkd. Checked Surveyed by Notes Date
Date Map No. Indexed A. C. Johnson Date

# BEACH EROSION SURVEY
# FROM
# BALLONA CREEK JETTIES
(Base Line Sta. 186+00 (N))
# TO
# LIGHTHOUSE CAFE – POTRERO CANYON.
(Base Line Sta. 525+38 (N))

J.N. 8412

Work started: July 5, 1946.

Work Finished:

G.W. Kleineck
H. Gunderson
~~J.W.S. Moore~~
R. Anderson
R. Hobson
~~H.R. Stock~~
J. Gregory
G.O. Harris
R. Mitchell
S. Dickie
L. DeTilla
~~P. Serpell~~
~~D. Le Gault~~
A.C. Stangeland
W. Van Deren
C. W. Wallace.

Microfilmed Sept 87

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

F.B. 1288 PG. 2

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Profile No.
X-Sec. No.

Notes Red. Plotted Job No. 8412 Division No.
Date Date Survey of Beach Erosion
Notes Chkd. Checked Survey by Notes Date
Date Date Map No. Indexed A. C. Johnson

F.B. 1288 PG. 3

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

FORM 307 SM 1-46

F.B. 1288 PG. 4

Job No. ________ Division No. ________ Notes Red. ________ Plotted H. U. M. H. — Profile No. ________

Survey of ________ Date ________ Date 1946

Survey by ________ Notes ________ Notes Chkd. ________ Checked ________ — X-Sec. No. ________

Indexed ________ Date ________ Date ________ Date ________

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

FORM 307 5M 1-46

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red No.____ Date____ Notes Chkd____ Date____ Plotted H.U.M.H. Date 12/46 Checked____ Date____ Job No. 5412 Division No.____ Survey of Beach Erosion Survey by Kleineck Notes Pettis Date 12/31/46 Map No.____ Checked Johnson Date 12-3-46 F.B. 1288 Pg. 5

X-Sec. No.____

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 238+00 N 120' off | 236+00 120' off | 1 | R | 906 | 90 20 | Range Line ∠ = 90° F.S. on 236+00 N 120' off |
| | | 2 | Y | | 90 20 | Going out. |
| | | 3 | W | | 90 05 | |
| | | 4 | Y | | 90 45 | |
| | | 5 | W | | 90 35 | |
| | | 6 | R | 909 | 90 20 | |
| | | 7 | W ? | | 90 10 | |
| | | 8 | W | | 90.00 | |
| | | 9 | Y | | 90 10 | |
| | | 10 | W | | 90 20 | |
| | | 11 | R | 912 | 90 35 | |
| | | 12 | Y | | 89 55 | |
| | | 13 | W | | 90 40 | |
| | | 14 | Y | | 90 10 | |
| | | 15 | W | | 90 15 | |
| | | 16 | R | 921 | 90 20 | |
| | | 17 | Y | | 90 20 | |
| | | 18 | W | | 90 45 | |
| | | 19 | Y | | 90 25 | End |

Note: For shore sections
from Sta. 238+00(N)
to " 264+00(N), incl.
see L.A. City F.B. # 20713.

From Sta. 266+00(N)
to " 413+98.35 , incl.
see L.A. City F.B. # 20714.

Covers Shore sections from
Sta 381+38.65 (N) to
525+38 (N)
and L.A. City F.B. # 20714

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 240+00 N 120' off. | 238+00 N 120' off | 1 | R | 9 43 | 90 00 | Range Line ∡ = 90° | F.S. on 238+00 N 120' off. |
| | | 2 | Y | | 90 00 | Coming in | |
| | | 3 | W | | 90 00 | | |
| | | 4 | Y | | 90 00 | | |
| | | 5 | W | | 90 10 | | |
| | | 6 | R | 10 01 | 90 05 | | |
| | | 7 | Y | | 90 10 | | |
| | | 8 | W | | 90 15 | | |
| | | 9 | Y | | 90 20 | | |
| | | 10 | W | | 90 30 | | |
| | | 11 | R | 10 06 | 90 30 | | |
| | | 12 | Y | | 90 35 | | |
| | | 13 | W | | 90 15 | | |
| | | 14 | Y | | 89 55 | | |
| | | 15 | W | | 90 20 | | |
| | | 16 | R | 10 09 | 90 00 | | |
| | | 17 | Y | | 90 30 | End. | |

Range 240+00(N)

F.B. 1288 Pg. 6

Job No. 3412 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach Erosion Date 1946 No. X-Sec.

Survey by Klevecke Notes Date 10/31/46 Notes Chkd. Checked No.

Indexed C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 224+00 N ON 135' OFFSET | 216+00 | 1 | R | 9:04 | 164-25 ✓ | Range 238+00 (N) |
| | | 2 | Y | | 163-05 | |
| | | 3 | W | | 160-45 ✓ | |
| | | 4 | Y | | 160-05 ✓ | |
| | | 5 | W | | 158-50 ✓ | |
| | | 6 | R | 9:08 | 158-10 ✓ | |
| | | 7 | Y W | | 157-25 ✓ | |
| | | 8 | W | | 155-00 ✓ | |
| | | 9 | Y | | 154-05 ✓ | |
| | | 10 | W | | 153-00 ✓ | |
| | | 11 | R | 9:11 | 152-00 ✓ | |
| | | 12 | Y | | 148-45 ✓ | |
| | | 13 | W | | 146-30 ✓ | |
| | | 14 | Y | | 143-40 ✓ | |
| | | 15 | W | | 139-20 ✓ | |
| | | 16 | R | 9:20 | 135-15 ✓ | |
| | | 17 | Y | | 132-15 ✓ | |
| | | 18 | W | | 130-25 ✓ | |
| | | 19 | Y | | 123-45 | |

Cut in 238+00 (N)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 7
No. ____ Date ____ Date 10/4/46 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by K Notes V.G. Date 10-31-46
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 232+00 N | 216+00 | 1 | R | 9:41 | 108-40 | Range 240+00 N |
| ON 135' | | 2 | Y | | 112-20 | |
| OFFSET | | 3 | W | | 113-50 | |
| | | 4 | Y | | 118-15 | |
| | | 5 | W | | 124-50 | |
| | | 6 | R | 10:00 | 129-25 | |
| | | 7 | Y | | 133-20 | |
| | | 8 | W | | 137-25 | |
| | | 9 | Y | | 140-15 | |
| | | 10 | W | | 141-20 | |
| | | 11 | R | 10:05 | 143-05 | |
| | | 12 | Y | | 145-25 | |
| | | 13 | W | | 146-05 | |
| | | 14 | Y | | 147-40 | |
| | | 15 | W | | 150-25 | |
| | | 16 | R | 10:08 | 151-50 | |
| | | 17 | Y | | 152-55 | |
| | | ~~18~~ | ~~W~~ | | | |

Cut in 240+00(N)

F.B. 1288 PG. 8 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date 1946 No.
Survey by Kleineck Notes J Gregory 10-31-46 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 9:04 | 8.5 / 8.8-10.2 | 8.5 | 4.2 | -4.3 | RANGE 238+00 |
| 2 | Y | | 9.7 / 9-11 | 9.7 | 4.2 | -5.5 | GOING OUT. |
| 3 | W | | 12.3 / 11.8-13.2 | 12.3 | 4.2 | -8.1 | |
| 4 | Y | | 13.3 / 12.8-14.3 | 13.3 | 4.2 | -9.1 | |
| 5 | W | | 14.7 / 14-15 | 14.7 | 4.2 | -10.5 | |
| 6 | | 9:17 | 15.6 / 15-16.8 | 15.6 | 4.2 | -11.4 | |
| 7 | W | | 16.3 / 16-17 | 16.3 | 4.2 | -12.1 | |
| 8 | | | 18.1 / 17.8-18.8 | 18.1 | 4.2 | -13.9 | |
| 9 | | | 18.9 / 18.4-19.8 | 18.9 | 4.2 | -14.7 | |
| 10 | W | | 20.0 / 19.5-21 | 20.0 | 4.2 | -15.8 | |
| 11 | R | 9:15 | 20.5 / 20.2-21 | 20.5 | 4.2 | -16.3 | |
| 12 | Y | | 21.9 / 21.4-23 | 21.9 | 4.2 | -17.7 | |
| 13 | W | | 22.9 / 22.4-23.8 | 22.9 | 4.2 | -18.7 | |
| 14 | | | 23.8 / 23.3-24.7 | 23.8 | 4.2 | -19.6 | |
| 15 | W | | 24.7 / 24.3-25.5 | 24.7 | 4.3 | -20.4 | |
| 16 | R | 9:19 | 26.2 / 25.7-27.2 | 26.2 | 4.3 | -21.9 | |
| 17 | | | 26.9 / 26.4-28 | 26.9 | 4.3 | -22.6 | |
| 18 | W | | 27.5 / 27.3-28 | 27.5 | 4.3 | -23.2 | |
| 19 | Y | | 29.4 / 28.8-30.7 | 29.4 | 4.3 | -25.1 | END OF LINE. |

Boat
238+00 (N)

Profile No. ____ Notes Red. F.U.S. Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 9
Date 12-18-46 Date 12/18/46 Survey of BEACH ERROR
X:Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by KLEINECK Notes ____ Date ____ 3/-
Date ____ Date ____ Map No. ____ Indexed JOHNSON Date ____

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 9:40 | 28.8 – 30.6 (29.4) | 29.4 | 4.3 | -25.1 | RANGE [illegible] |
| 2 | Y | | 27.2 – 29.2 (27.9) | 27.9 | 4.3 | -23.6 | GOING IN |
| 3 | [illegible] | | 26 – 28.2 (26.7) | 26.7 | 4.4 | -22.3 | |
| 4 | Y | | 24.9 – 27.1 (25.6) | 25.6 | 4.4 | -21.2 | |
| 5 | [illegible] | | 23.6 – 25.2 (24.1) | 24.1 | 4.4 | -19.7 | |
| 6 | [illegible] | 9:58 | 22.3 – 24.1 (22.9) | 22.9 | 4.4 | -18.5 | |
| 7 | [illegible] | | 20.[illegible] – [illegible] (21.3) | 21.3 | 4.4 | -16.9 | |
| 8 | [illegible] | | 19.6 – 21.8 (20.3) | 20.3 | 4.4 | -15.9 | |
| 9 | [illegible] | | 18 – 19.2 (18.4) | 18.4 | 4.4 | -14.0 | |
| 10 | [illegible] | | 17 – 18.8 (17.6) | 17.6 | 4.4 | -13.2 | |
| [illegible] | [illegible] | 10:04 | 15.7 – 17.2 (16.2) | 16.2 | 4.4 | -11.8 | |
| [illegible] | [illegible] | | 14.6 – 16.3 (15.2) | 15.2 | 4.4 | -10.8 | |
| [illegible] | [illegible] | | 13 – 15 (13.7) | 13.7 | 4.4 | -9.3 | |
| [illegible] | [illegible] | | 11.9 – 14.2 (12.7) | 12.7 | 4.4 | -8.3 | |
| [illegible] | [illegible] | | 10.3 – 12.8 (11.1) | 11.1 | 4.4 | -6.7 | |
| [illegible] | [illegible] | 10:07 | 8.6 – 10 (9.1) | 9.1 | 4.4 | -4.7 | |
| [illegible] | [illegible] | | 7.5 – 9.2 (8.1) | 8.1 | 4.4 | -3.7 | END OF LINE |

Boat 240+00 (N)

F.B. 1288 PG. 10
Job No. [illegible] Division No. [illegible]
Notes Red. F.J.S. Date 12-18-46
Plotted H.U.M.H. Date 1946
Profile No.
Survey of BEACH EROSION
Survey by [illegible] Notes D.S. [illegible] 31-[illegible]
Notes Chkd. Date
Checked Date
X-Sec. No.
Indexed A. C. Johnson Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 242+00 N | 240+00 N | 1 | R | 10 20 | 90 25 | Range Line ∡ = 90° | F.S. on 240+00-N |
| 120' off | 120' off | 2 | Y | | 89 40 | Going out. | 120' Offset |
| | | 3 | W | | 89 55 | | |
| | | 4 | Y | | 89 40 | | |
| | | 5 | W | | 90 00 | | |
| | | 6 | R | 10 24 | 89 50 | | |
| | | 7 | Y | | 90 00 | | |
| | | 8 | W | | 90 10 | | |
| | | 9 | Y | | 90 00 | | |
| | | 10 | W | | 89 50 | | |
| | | 11 | R | 10 29 | 90 25 | | |
| | | 12 | Y | | 90 30 | | |
| | | 13 | W | | 90 25 | | |
| | | 14 | Y | | 90 05 | | |
| | | 15 | W | | 90 05 | | |
| | | 16 | R | 10 37 | 90 05 | | |
| | | 17 | Y | | 90 15 | | |
| | | 18 | W | | 90 15 | | |
| | | 19 | Y | | 90 00 | End. | |

Range 242+00 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 11
No. ____ Date ____ Date 1946 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Kleineck Notes DeTilla Date 10/31/46
No. ____ Date ____ Date ____ Map No. ____ Indexed J. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 244+00 N | 242+00 N | 1 | R | 10 59 | 90 10 | Range Line ∡ = 90° | F.S. on 242+00 N |
| 120' off | 120' off | 2 | Y | | 90 00 | Coming in. | 120' offset. |
| | | 3 | W | | 90 15 | | |
| | | 4 | Y | | 90 00 | | |
| | | 5 | W | | 90 05 | | |
| | | 6 | R | 11 13 | 90 00 | | |
| | | 7 | Y | | 90 05 | | |
| | | 8 | W | | 89 50 | | |
| | | 9 | Y | | 90 00 | | |
| | | 10 | W | | 90 00 | | |
| | | 11 | R | 11 16 | 89 55 | | |
| | | 12 | Y | | 89 50 | | |
| | | 13 | W | | 89 50 | | |
| | | 14 | Y | | 89 50 | | |
| | | 15 | W | | 90 00 | | |
| | | 16 | R | 11 19 | 89 50 | | |
| | | 17 | Y | | 90 40 | | |
| | | 18 | W | | 89 55 | End. | |

Range 244+00 (N)

F.B. 1288 Pg. 12 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1946 No. X-Sec.
Survey by Kleineck Notes DeTilla 10/31/46 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst Sight At | On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 232+00 N ON 135 OFFSET | 216+00 | 1 | R | 10:18 | 157-10 | Range 242+00 (N) |
| | | 2 | Y | | 155-25 | |
| | | 3 | W | | 154-20 | |
| | | 4 | Y | | 153-30 | |
| | | 5 | W | | 152-30 | |
| | | 6 | R | 10:22 | 151-10 | |
| | | 7 | Y | | 149-40 | |
| | | 8 | W | | 148-00 | |
| | | 9 | Y | | 146-10 | |
| | | 10 | W | | 142-25 | |
| | | 11 | R | 10:28 | 140-45 | |
| | | 12 | Y | | 139-20 | |
| | | 13 | W | | 136-10 | |
| | | 14 | Y | | 132-50 | |
| | | 15 | W | | 129-10 | |
| | | 16 | R | 10:35 | 124-20 | |
| | | 17 | Y | | 119-40 | |
| | | 18 | W | | 116-30 | |
| | | 19 | Y | | 114-00 | |

Curtis
242+00 (N)

Profile
Notes Red _____ Plotted H.U.M.H. Job No. 5412 Division No. _____ F.B. 1233 PG. 13
No. _____ Date _____ Date 10/46 Survey of Beach Erosion
X-Sec. Notes Chkd. _____ Checked _____ Survey by K. Notes V.S. Date 10-31-46
No. _____ Date _____ Date _____ Map No. _____ Indexed C. Johnson Date _____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 232+00 N | 216+00 | 1 | R | 10:58 | 118-35 | Range 244+00 (N) |
| ON 135' | | 2 | Y | | 121-15 | |
| OFFSET | | 3 | W | | 126-35 | |
| | | 4 | Y | | 134-40 | |
| | | 5 | W | | 139-[illegible] | |
| | | 6 | R | 11:12 | 144-30 | |
| | | 7 | Y | | 146-30 | |
| | | 8 | W | | 149-35 | |
| | | 9 | Y | | 150-30 | |
| | | 10 | W | | [illegible] | |
| | | 11 | R | 11:15 | [illegible] | |
| | | 12 | Y | | 154-15 | |
| | | 13 | W | | [illegible] | |
| | | 14 | Y | | 156-[illegible] | |
| | | 15 | W | | [illegible] | |
| | | 16 | R | 11:17 | [illegible] | |
| | | 17 | Y | | [illegible] | |
| | | 18 | W | | 160-[illegible] | |

Cut in 244+00 (N)

F.B. 1288 PG. 14 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1946 No. X-Sec.
Survey by Kleineck Notes J. Gregory 10-31-46 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 10:17 | 8.6 8-9.9 | 8.6 | 4.5 | -4.1 | RANGE 242+00 (N) |
| 2 | Y | | 9.5 9-10.5 | 9.5 | 4.5 | -5.0 | GOING OUT. |
| 3 | W | | 11.0 10.3-12.3 | 11.0 | 4.5 | -6.5 | |
| 4 | Y | | 12.2 11.8-13 | 12.2 | 4.5 | -7.7 | |
| 5 | W | | 13.3 12.9-14 | 13.3 | 4.5 | -8.8 | |
| 6 | R | 10:21 | 14.3 13.9-15.2 | 14.3 | 4.5 | -9.8 | |
| 7 | Y | | 15.8 15.2-17 | 15.8 | 4.5 | -11.3 | |
| 8 | W | | 16.7 16.1-17.8 | 16.7 | 4.5 | -12.2 | |
| 9 | Y | | 18.2 17.8-19.1 | 18.2 | 4.5 | -13.7 | |
| 10 | W | | 19.7 19.3-20.5 | 19.7 | 4.5 | -15.2 | |
| 11 | R | 10:26 | 21.1 20.7-21.8 | 21.1 | 4.5 | -16.6 | |
| 12 | Y | | 22.1 21.8-22.7 | 22.1 | 4.5 | -17.6 | |
| 13 | W | | 23.3 22.7-24.3 | 23.3 | 4.5 | -18.8 | |
| 14 | Y | | 24.1 23.4-25.6 | 24.1 | 4.5 | -19.6 | |
| 15 | W | | 24.7 24.3-25.6 | 24.7 | 4.5 | -20.2 | |
| 16 | R | 10:34 | 25.9 25.5-26.8 | 25.9 | 4.5 | -21.4 | |
| 17 | Y | | 27.2 26.7-28 | 27.2 | 4.5 | -22.7 | |
| 18 | W | | 28.8 28.4-29.6 | 28.8 | 4.5 | -24.3 | |
| 19 | Y | | 29.4 29-30.2 | 29.4 | 4.6 | -24.8 | END OF LINE. |

Boat 242+00(N)

Profile No. ____ Date 12-18-46 Notes Red F.J.S. Plotted H.U.M.M. Date 1946 Job No. ____ Division No. ____ Survey of GEARCH ERASMUS Notes D.S. Date 10-31-46

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

F.B. 1288 PG. 15

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Botom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | [illegible] | 10:56 | 29.5 27-30.5 | 29.5 | 4.6 | -24.9 | [illegible] |
| 2 | | | 29.1 28.8-29.8 | 29.1 | [illegible] | -24.5 | [illegible] |
| 3 | | | 27.3 [illegible] | 27.3 | [illegible] | -22.7 | |
| 4 | | | 25.5 24.8-27 | 25.5 | [illegible] | -20.9 | |
| 5 | | | 24.0 [illegible] | 24.0 | [illegible] | -19.4 | |
| 6 | | 11:13 | 22.7 22.1-24 | 22.7 | [illegible] | -18.1 | |
| 7 | | | 21.3 20.[illegible]-22 | 21.3 | [illegible] | -16.7 | |
| 8 | | | 20.0 19.6-20.8 | 20.0 | [illegible] | -15.4 | |
| 9 | [illegible] | | 18.9 18.3-20 | 18.9 | 4.6 | -14.3 | |
| 10 | [illegible] | | 17.4 17-18.3 | 17.4 | 4.6 | -12.8 | |
| 11 | [illegible] | 11:14 | 16.4 15-17 | 16.4 | 4.6 | -11.8 | |
| 12 | [illegible] | | 15.5 [illegible] | 15.5 | [illegible] | -10.9 | |
| 13 | [illegible] | | 14.6 13.9-15.9 | 14.6 | 4.6 | -10.0 | |
| 14 | [illegible] | | 13.0 12.9-13.3 | 13.0 | 4.6 | -8.4 | |
| 15 | | | 11.7 11-13 | 11.7 | [illegible] | -7.1 | |
| 16 | [illegible] | 11:16 | 10.7 10-12 | 10.7 | [illegible] | -6.1 | |
| 17 | [illegible] | | 9.6 8.9-10.9 | 9.6 | [illegible] | -5.0 | |
| 18 | W | | 8.1 7.6-9 | 8.1 | 4.6 | -3.5 | END OF LINE |

Boat 244+00 (N)

F.B. 1288 PG. 16

Job No. [illegible] Division No. [illegible] Notes Red F.U.S. Plotted H.U.M.H. Profile

Survey of BEACH [illegible] Date 12-18-46 Date 1946 No. X-Sec.

Survey by KLEINECK Notes [illegible] Notes Chkd. Checked

Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 246+00 N | 244+00 N | ~~1~~ | ~~R~~ | ~~11 30~~ | ~~89 40~~ | Out. Range Line ∠ = 90° F.S. on 244+00 N |
| 120' off. | 120' off. | 2 | Y | | 91 05 | Going out. 120' offset. |
| | | 3 | W | | 90 20 | |
| | | 4 | Y | | 90 35 | |
| | | 5 | W | | 90 40 | |
| | | 6 | R | 11 33 | 90 40 | |
| | | 7 | Y | | 90 15 | |
| | | 8 | W | | 89 55 | |
| | | 9 | Y | | 90 20 | |
| | | 10 | W | | 90 25 | |
| | | 11 | R | 11 37 | 90 35 | |
| | | 12 | Y | | 90 25 | |
| | | 13 | W | | 90 40 | |
| | | 14 | Y | | 90 40 | |
| | | 15 | W | | 90 00 | |
| | | 16 | R | 11 43 | 90 40 | |
| | | 17 | Y | | 90 10 | |
| | | 18 | W | | 89 45 | |
| | | 19 | Y | | 89 45 | |
| | | 20 | W | | 89 40 | |
| | | 21 | R | 12 04 | 90 10 | Cont. on next page |

Range 246+00(N)

Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 17
X-Sec. No. ____ Date ____ Date 1946 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Kleineck Notes DeTilla Date 10/31/46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1288 PG. 18

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

Survey of Beach Erosion Date _____ Date 1946. No. _____

Survey by Meineck Notes DeTilla 10-31-46 Notes Chkd. _____ Checked _____ X-Sec.

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

Range
246+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | | |
|---|---|---|---|---|---|---|
| Last Sight | | | | | | |
| At | On | # | Color | Time | Hor. Ang. | Remarks |
| 246+00 N | 244+00 N | 22 | Y | | 90 | Cont. from last page |
| 120' off | 120' off | | | | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 232+00 N ON 135' OFFSET | 216+00 | ~~1~~ | ~~R~~ | ~~11:28~~ | ~~164-10~~ → Out | Range 246+00 N |
| | | 2 | Y | | 163-40 | |
| | | 3 | W | | 161-25 | |
| | | 4 | Y | | 160-35 | |
| | | 5 | W | | 160-05 | |
| | | 6 | R | 11:31 | 159-30 | |
| | | 7 | Y | | 158-30 | |
| | | 8 | W | | 157-30 | |
| | | 9 | Y | | 156-30 | |
| | | 10 | W | | 155-30 | |
| | | 11 | R | 11:35 | 154-50 | |
| | | 12 | Y | | 153-20 | |
| | | 13 | W | | 151-50 | |
| | | 14 | Y | | 150-50 | |
| | | 15 | W | | 149-35 | |
| | | 16 | R | 11:41 | 148-00 | |
| | | 17 | Y | | 143-50 | |
| | | 18 | W | | 139-10 | |
| | | 19 | Y | | 135-20 | |
| | | 20 | W | | 132-25 | |
| | | 21 | R | 12:02 | 125-50 | |

Cut in 246+00 (N)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 19

X-Sec. No. ____ Date ____ Date 1946 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by K Notes V.G. Date 10-31-46

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

F.B. 1288 PG. 20

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

Survey of Beach Erosion Date _____ Date 1946 No. _____

Survey by Klemeck Notes LG. 10-31-46 Notes Chkd. _____ Checked _____ X-Sec.

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

Cut in
246+00 (N)

| STATION | Insulight | B.S. | H.I. | F.S. | ELEV. | Remarks |
|---|---|---|---|---|---|---|
| At | On | # | Color | Time | Hor. Ang. | |
| 232+00 N ON 135' OFFSET | 216+00 | 22 | Y | | 12 | Range 246+00 |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | | VOID - OUT | | | | RANGE 246+00 |
| 2 | | | 7.6-10 | 8.4 | 4.6 | 3.8 | GOING OUT. |
| 3 | W | | 8.9-11 | 9.6 | | 5.0 | |
| 4 | | | 9.9-11.9 | 10.6 | | 6.0 | |
| 5 | W | | 11-12.6 | 11.5 | | 6.9 | |
| 6 | R | 11:30 | 12-14.5 | 12.8 | 4.6 | 8.2 | |
| 7 | | | 13.3-14.5 | 13.7 | | 9.1 | |
| 8 | W | | 14-16.3 | 14.8 | | 10.2 | |
| 9 | | | 15-16.5 | 15.5 | | 10.9 | |
| 10 | W | | 16.2-17.3 | 16.6 | | 12.0 | |
| 11 | R | 11:33 | 17.3-18.9 | 17.8 | 4.6 | 13.2 | |
| 12 | | | 18.2-19.5 | 18.6 | | 14.0 | |
| 13 | W | | 19.2-20.8 | 19.7 | | 15.1 | |
| 14 | | | 20.2-21.8 | 20.7 | | 16.1 | |
| 15 | W | | 21.2-23 | 21.8 | | 17.2 | |
| 16 | R | 11:39 | 22.2-23.2 | 22.5 | 4.6 | 17.9 | |
| 17 | | | 23-24.8 | 23.6 | | 19.0 | |
| 18 | W | | 24.5-25.8 | 24.9 | | 20.3 | |
| 19 | | | 25.8-27 | 26.2 | | 21.6 | |
| 20 | W | | 26.5-28.1 | 27.0 | | 22.4 | |

Boat 246+00 W

Profile No. ____ Notes Red. F.J.S. Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 21
X-Sec. No. ____ Date 12-16-46 Date 1946 Survey of [illegible] Notes D.S. Date 10-31-46
Notes Chkd. ____ Checked ____ Survey by [illegible] Date ____
Date ____ Date ____ Map No. ____ Made C. Johnson Date ____

F.B. 1288 PG. 22

Job No. 2412 Division No. _____ Notes Red. F.J.S. Plotted H.U.M.H. Profile

Survey of BEACH EROSION Date 12-18-46 Date 1946 No. _____

Survey by KLEINECK Notes D.S. 6-31-[illegible] Notes Chkd. _____ Checked _____ X-Sec.

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

Boat.
246+00 (N) Cont'd.

| STATION | B.S. | H.L. Meas. | F.S. | ELEV. Ht. | | |
|---|---|---|---|---|---|---|
| Color | Time | Depth | Botom | Tide | Adj. Depth | Remarks |
| 21 P. | 12.00 | 28-[illegible] | 28.5 | 4.5 | 24.0 | [illegible] 246+00 (N) |
| 22 | | 29.3[illegible]4 | 29.8 | | 25.3 | [illegible] |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 248+00 -N on 120' offset | 246+00 -N on 120' offset | 1 | R | 659 | 8955 | Range Line ∠ = 90° F.S. on 246+00 (N) 120' offset. |
| | | 2 | Y | | 8945 | |
| | | 3 | W | | 8935 | |
| | | 4 | Y | | 8950 | |
| | | 5 | W | | 9015 | |
| | | 6 | R | 714 | 9020 | |
| | | 7 | Y | | 9015 | |
| | | 8 | W | | 9015 | |
| | | 9 | Y | | 9025 | |
| | | 10 | W | | 9030 | |
| | | 11 | R | 721 | 9025 | |
| | | 12 | Y | | 9020 | |
| | | 13 | W | | 9010 | |
| | | 14 | Y | | 9040 | |
| | | 15 | W | | 9000 | |
| | | 16 | R | 724 | 9010 | |
| | | 17 | Y | | 9000 | End |

Range 248+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 84R Division No. ____ F.B. 1288 Pg. 23

X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Date 1946 Survey of Beach Erosion

Date ____ Map No. ____ Survey by Meineer Notes GWK Date 11-1-'46

Indexed C. Johnson Date ____

FORM 307 5M 1-46

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

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 250+00 -N | 248 +00 -N | 1 | R | 7 31 | 90 10 | Range Line ∠ = 90° F.S. on 248+00 (N) |
| on | | 2 | Y | | 90 00 | 120' offset. |
| 120' | 120' | 3 | W | | 89 45 | |
| offset. | off | 4 | Y | | 89 45 | |
| | | 5 | W | | 89 35 | |
| | | 6 | R | 7 35 | 90 00 | |
| | | 7 | Y | | 89 40 | |
| | | 8 | W | | 89 25 | |
| | | 9 | Y | | 89 15 | |
| | | 10 | W | | 89 55 | |
| | | 11 | R | 7 43 | 90 05 | |
| | | 12 | Y | | 89 50 | |
| | | 13 | W | | 89 45 | |
| | | 14 | Y | | 90 15 | |
| | | 15 | W | | 89 50 | |
| | | 16 | R | 7 59 | 89 40 | |
| | | 17 | Y | | 89 40 | |
| | | 18 | W | | 89 50 | End. |

Range 250+00 (N)

F.B. 1288 PG. 24

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

Survey of Beach Erosion Date Date 1946 No. X-Sec.

Survey by Alameda Notes Sulk 11-1-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 240+00 N ON 120' OFFSET | 236+00 | 1 | R | 7:00 | 112-05 | Range Line 248+00(N) (IN) |
| | | 2 | Y | | 113-25 | |
| | | 3 | W | | 115-10 | |
| | | 4 | Y | | 122-00 | |
| | | 5 | W | | 125-15 | |
| | | 6 | R | 7:15 | 129-10 | |
| | | 7 | Y | | 132-25 | |
| | | 8 | W | | 137-25 | |
| | | 9 | Y | | 140-35 | |
| | | 10 | W | | 143-50 | |
| | | 11 | R | 7:22 | 146-30 | |
| | | 12 | Y | | 147-50 | |
| | | 13 | W | | 150-00 | |
| | | 14 | Y | | 150-50 | |
| | | 15 | W | | 152-00 | |
| | | 16 | R | 7:24 | 153-00 | |
| | | 17 | Y | | 154-15 | |

Cut in 248+00 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Date ____ Job No. 8412 Division No. ____
X-Sec. Notes Chkd. ____ Checked ____ Date ____ Survey of Beach Erosion Survey by R Notes J.G. Date 11-1-46
No. ____ Date ____ Map No. ____ Indexed S. Johnson Date ____

F.B. 1288 PG. 25

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 240+00 N ON 120' OFFSET | 236+00 | 1 | R | 7:32 | 157-50 | Range 250+00 (N) |
| | | 2 | Y | | 156-55 | OUT |
| | | 3 | W | | 156-15 | |
| | | 4 | Y | | 155-15 | |
| | | 5 | W | | 153-30 | |
| | | 6 | R | 7:35 | 152-45 | |
| | | 7 | Y | | 150-30 | |
| | | 8 | W | | 148-30 | |
| | | 9 | Y | | 146-30 | |
| | | 10 | W | | 145-20 | |
| | | 11 | R | 7:43 | 142-30 | |
| | | 12 | Y | | 139-50 | |
| | | 13 | W | | 135-05 | |
| | | 14 | Y | | 131-40 | |
| | | 15 | W | | 126-10 | |
| | | 16 | R | 8:00 | 122-30 | |
| | | 17 | Y | | 119-45 | |
| | | 18 | W | | 116-45 | |

~~Range~~ Cut in. 250+00 (N)

F.B. 1288 PG. 26

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

Survey of Beach Erosion Date Date 1946 No. X-Sec.

Survey by Kleineck Notes J. Gregory 11-1-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. _____ Notes Red F.L.S. Plotted H.U.M.H. Job No. 1412 Division No. _____
X-Sec. No. _____ Date 12-18-46 Date _____ Survey of Pacific Electric
Notes Chkd _____ Checked _____ Survey by Hazenstab Notes P.L.S. Date 11-11-46
Date _____ Date _____ Map No. _____ Indexed Johnson Date _____

F.B. 1288 Pg. 27

| STATION | | B. S. | H. I. Meas. Depth | F. S. Bottom | ELEV. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| # | Color | Time | | | | | |
| 1 | R | 6:59 | 28.5-30.2 | 29.1 | 3.8 | - 25.3 | RANGE 24 |
| 2 | Y | | 27.2-29 | 27.8 | | - 24.0 | GOING IN. |
| 3 | W | | 26-27.8 | 26.7 | | - 22.9 | |
| 4 | Y | | 25-27.1 | 25.7 | | - 21.9 | |
| 5 | W | | 24-25.8 | 24.6 | | - 20.8 | |
| 6 | R | 7:14 | 22.6-24.3 | 23.2 | 3.8 | - 19.4 | |
| 7 | Y | | 21.6-24.2 | 22.5 | | - 18.7 | |
| 8 | W | | 20.5-22 | 21.0 | | - 17.2 | |
| 9 | Y | | 19-20.5 | 19.5 | | - 15.7 | |
| 10 | W | | 16.9-17.7 | 17.2 | | - 13.4 | |
| 11 | R | 7:21 | 15.5-17 | 16.0 | 3.8 | - 12.2 | |
| 12 | Y | | 14-16.8 | 14.9 | | - 11.1 | |
| 13 | W | | 12.6-14 | 13.1 | | - 9.3 | |
| 14 | Y | | 11.1-12.6 | 11.6 | | - 7.8 | |
| 15 | W | | 10.3-12.2 | 10.9 | | - 7.1 | |
| 16 | R | 7:26 | 9-11 | 9.7 | 3.8 | - 5.9 | |
| 17 | Y | | 7.9-9.9 | 8.6 | | - 4.8 | END OF LINE |

Boat. 2448.1000(1)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | Meas. Depth | F. S. Botom | Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | [illegible] | 8.2-11 | 9.1 | 3.8 | - 5.3 | RANGE 250+00 (N). |
| 2 | Y | | 9.1-11 | 9.7 | | - 5.9 | GOING OUT. |
| 3 | W | | 11.6-12.1 | 11.1 | | - 7.3 | |
| 4 | Y | | 11-13.7 | 11.9 | | - 8.1 | |
| 5 | W | | 12.9-[illegible] | 13.3 | | - 9.5 | |
| 6 | R | [illegible] | 14-14.9 | 14.3 | 3.8 | - 10.5 | |
| 7 | Y | | 15.6-16.7 | 16.0 | | - 12.2 | |
| 8 | W | | [illegible]-18.2 | 17.4 | | - 13.6 | |
| 9 | Y | | [illegible]-19.8 | 18.9 | | - 15.1 | |
| 10 | W | | [illegible] | 19.8 | | - 16.0 | |
| 11 | R | 7:42 | [illegible] | 21.0 | 3.8 | - 17.2 | |
| 12 | Y | | 21.6-[illegible] | 22.4 | | - 18.6 | |
| 13 | W | | 22.8-[illegible] | 23.2 | | - 19.4 | |
| 14 | Y | | 23.6-[illegible] | 24.3 | | - 20.5 | |
| 15 | W | | 24.9-26.2 | 25.3 | | - 21.5 | |
| 16 | R | [illegible] | 25.9-[illegible] | 26.5 | 3.8 | - 22.7 | |
| 17 | Y | | 26.9-28.1 | 27.3 | | - 23.5 | |
| 18 | W | | 28-29.3 | 28.4 | | - 24.6 | END OF LINE. |

Boat. 250+00 (N)

F.B. 1288 PG. 28

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

Survey of BEACH EROSION Date 12-18-46 Date 1946 No. ____

Survey by FLEMISCH Notes D.S. 11-1-46 Notes Chkd. ____ Checked ____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 252 +00 -N on 120' offset | 250 +00 -(N) on 120' offset | 1 | R | 8 14 | 90 10 | Range Line ∠ = 90° F.S. on 250+00 -N on 120' offset |
| | | 2 | Y | | 89 35 | |
| | | 3 | W | | 90 15 | Coming In |
| | | 4 | Y | | 90 20 | |
| | | 5 | W | | 90 00 | |
| | | 6 | R | 8 35 | 90 20 | |
| | | 7 | Y | | 90 05 | |
| | | 8 | W | | 90 15 | |
| | | 9 | Y | | 90 00 | |
| | | 10 | W | | 90 15 | |
| | | 11 | R | 8 38 | 89 50 | |
| | | 12 | Y | | 90 00 | |
| | | 13 | W | | 90 10 | |
| | | 14 | Y | | 90 25 | |
| | | 15 | W | | 90 20 | |
| | | 16 | R | 8 40 | 90 05 | End. |

Range 252+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 19 46 Job No. 8412 Division No. ____ Survey of Beach Erosion

X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Date ____ Survey by Meineck Notes EWH Date 11-1-46 Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 29

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 254+00 -N | N-16 -(N) | 1 | R | 849 | 90 40 | Range Line ∡=90° | F.S. on N-16 (N) |
| | on | 2 | Y | | 89 40 | Going Out. | -107.5' Off. |
| On | 107.5' | 3 | W | | 90 00 | | |
| 107.5' | Offset | 4 | Y | | 90 30 | | |
| offset | | 5 | W | | 89 45 | | |
| to left | | 6 | R | 852 | 90 25 | | |
| of base | | 7 | Y | | 89 50 | | |
| line bet. | | 8 | W | | 90 00 | | |
| N-16 N | | 9 | Y | | 89 50 | | |
| + | | 10 | W | | 90 00 | | |
| N-17 (N) | | 11 | R | 854 | 90 00 | | |
| | | 12 | Y | | 89 50 | | |
| | | 13 | W | | 89 30 | | |
| | | 14 | Y | | 89 45 | | |
| | | 15 | W | | 89 40 | | |
| | | 16 | R | 900 | 89 45 | | |
| | | 17 | Y | | 89 40 | | |
| | | 18 | W | | 89 50 | | |
| | | 19 | Y | | 89 45 | | |
| | | 20 | W | | 90 15 | | |
| | | 21 | R | 915 | 89 45 | End. | |

Range 254+00 (N)

F.B. 1288 PG. 30

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

Survey of ____ Date ____ Date 1946 No. ____ X-Sec.

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

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time Hor. Ang. | ELEV. | Remarks |
|---|---|---|---|---|---|---|
| 243+00 N ON 120 OFFSET | 236+00 | 1 | R | 8:15 | 120-05 | Range 252+00 (N) |
| | | 2 | Y | | 123-05 | (IN) |
| | | 3 | W | | 128-00 | |
| | | 4 | Y | | 133-45 | |
| | | 5 | W | | 139-50 | |
| | | 6 | R | 8:34 | 144-40 | |
| | | 7 | Y | | 148-40 | |
| | | 8 | W | | 152-10 | |
| | | 9 | Y | | 153-05 | |
| | | 10 | W | | 155-05 | |
| | | 11 | R | 8:39 | 156-25 | |
| | | 12 | Y | | 157-30 | |
| | | 13 | W | | 159-00 | |
| | | 14 | Y | | 160-30 | |
| | | 15 | W | | 160-50 | |
| | | 16 | R | 8:41 | 161-30 | |
| | | 17 | Y | | | |

Curve 10
252+00 (N)

Profile
Notes Red _____ Plotted H.U.M.H. Job No. 5412 Division No. _____
No. _____ Date _____ Date _____ Survey of Beach Erosion
X-Sec. Notes Chkd _____ Checked [illegible] Survey by K Notes V.G. Date 11-1-46
No. _____ Date _____ Date _____ Map No. _____ Indexed C. Johnson Date _____

F.B. 1218 Pg. 31

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 240+00 N ON 120' OFFSET | 236+00 | 1 | R | 8:50 | 164-15 | Range 254+00 (N) (OUT) |
| | | 2 | Y | | 163-20 | |
| | | 3 | W | | 162-50 | |
| | | 4 | Y | | 161-30 | |
| | | 5 | W | | 159-55 | |
| | | 6 | R | 8:53 | 159-20 | |
| | | 7 | Y | | 158-15 | |
| | | 8 | W | | 157-30 | |
| | | 9 | Y | | 156-35 | |
| | | 10 | W | | 155-40 | |
| | | 11 | R | 8:55 | 154-40 | |
| | | 12 | Y | | 153-50 | |
| | | 13 | W | | 152-20 | |
| | | 14 | Y | | 150-15 | |
| | | 15 | W | | 148-10 | |
| | | 16 | R | 9:01 | 144-50 | |
| | | 17 | Y | | 138-30 | |
| | | 18 | W | | 133-30 | |
| | | 19 | Y | | 130-25 | |
| | | 20 | W | | 126-40 | |
| | | 21 | R | 9:15 | 125-20 | |
| | | [illegible] | Y | | | |

Cut in 254+00 (N)

F.B. 1288 PG. 32 Job No. 8412 Division No. Notes Red Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 1946 No. X-Sec.
Survey by Kleineck Notes J. Gregory 11-1-46 Notes Chkd Checked
Indexed A. C. Johnson Date Date Date No.

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 8:15 | 28.3-30 | 28.9 | 3.8 | -25.1 | RANGE 252+00 (N) |
| 2 | Y | | 26.7-28 | 27.1 | | -23.3 | GOING IN. |
| 3 | W | | 25.4-28 | 26.3 | | -22.5 | |
| 4 | Y | | 24.1-26.3 | 24.8 | | -21.0 | |
| 5 | W | | 23-25.8 | 23.9 | | -20.1 | |
| 6 | R | 8:33 | 21.8-24 | 22.5 | 3.8 | -18.7 | |
| 7 | Y | | 20-21.2 | 20.4 | | -16.6 | |
| 8 | W | | 18.7-20 | 19.2 | | -15.4 | |
| 9 | Y | | 17.5-19.2 | 18.1 | | -14.3 | |
| 10 | W | | 15.4-17.3 | 16.0 | | -12.2 | |
| 11 | R | 8:37 | 13.8-16 | 14.5 | 3.8 | -10.7 | |
| 12 | Y | | 12.8-13.3 | 13.0 | | -9.2 | |
| 13 | W | | 11.2-12.8 | 11.7 | | -7.9 | |
| 14 | Y | | 10-11.8 | 10.6 | | -6.8 | |
| 15 | W | | 8.8-11 | 9.5 | | -5.7 | |
| 16 | R | 8:40 | 7.8-10 | 8.5 | 3.8 | -4.7 | END OF LINE. |

Boat 252+00 (N)

Profile No. ____ Notes Red. F.U.S. Date 12-18-46 Plotted H.U.M.H. Date 1946 Job No. 847 Division No. ____ Survey of Beach Erosion Survey by Mainen Notes D.S. Date 11-1-46 Map No. ____ Date ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ X:Sec. No. ____ Date ____ Date ____

F.B. 1288 PG. 33

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | K | 8:49 | 7.5-9.6 | 8.2 | 3.9 | 4.3 | RANGE 254+00(N) |
| 2 | Y | | 8.5-10.5 | 9.2 | | 5.3 | GOING OUT. |
| 3 | W | | 9.5-12 | 10.3 | | 6.4 | |
| 4 | Y | | 10.7-12.1 | 11.2 | | 7.3 | |
| 5 | W | | 12.2-13.9 | 12.8 | | 8.9 | |
| 6 | K | 8:51 | 13.4-14.4 | 13.7 | 3.9 | 9.8 | |
| 7 | W | | 14.4-15.6 | 15.2 | | 11.3 | |
| 8 | W | | 15.3-15.7 | 15.8 | | 11.9 | |
| 9 | Y | | 16.4-17 | 16.9 | | 13.0 | |
| 10 | W | | 17.8-19.1 | 18.2 | | 14.3 | |
| 11 | K | 8:54 | 18.3-19.7 | 18.8 | 3.9 | 14.9 | |
| 12 | Y | | 19.3-20.2 | 19.6 | | 15.7 | |
| 13 | W | | 20.2-22 | 20.8 | | 16.9 | |
| 14 | Y | | 21.3-23.1 | 21.9 | | 18.0 | |
| 15 | W | | 22.2-23.5 | 22.6 | | 18.7 | |
| 16 | K | 8:59 | 23.1-24.3 | 23.5 | 3.9 | 19.6 | |
| 17 | Y | | 24-25.1 | 24.4 | | 20.5 | |
| 18 | W | | 25.3-26.8 | 25.8 | | 21.9 | |
| 19 | Y | | 26.3-27.8 | 26.8 | | 22.9 | |
| 20 | W | | 27.7-29.9 | 28.4 | | 24.5 | |
| 21 | R | 9:15 | 28.4-29.2 | 28.7 | 3.9 | 24.8 | END OF LINE |

Boat 254+00 (N)

F.B. 1288 Pg. 34 Job No. 8412 Division No. Notes Red. F.J.S. Date 12-18-46 Plotted H.U.M.H. Date 1946 Profile No. X-Sec. No.

Survey of BEACH [illegible] Notes D.S. 11-1-46 Notes Chkd. Checked Date

Survey by [illegible] Date

Indexed A. C. Johnson

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 256 +00 (N) on 1075 offset | 254 +00 (N) on 1075 offset | 1 | R | 927 | 9000 | Range Line ∡ = 90° F.S. on 254+00 (N) on 1075 offset |
| | | 2 | Y | | 9010 | |
| | | 3 | W | | 9000 | Coming In |
| | | 4 | Y | | 9010 | |
| | | 5 | W | | 9010 | |
| | | 6 | R | 943 | 9000 | |
| | | 7 | Y | | 9020 | |
| | | 8 | W | | 9015 | |
| | | 9 | Y | | 9010 | |
| | | 10 | W | | 9000 | |
| | | 11 | R | 948 | 9000 | |
| | | 12 | Y | | 9015 | |
| | | 13 | W | | 9025 | |
| | | 14 | Y | | 9020 | |
| | | 15 | W | | 9015 | |
| | | 16 | R | 952 | 9000 | |
| | | 17 | Y | | 9010 | End |

Range 256+00(N)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 35
Date ____ Date 1946 Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Memmet Notes Gulk Date 11-1-46
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 258+00 (N) on 1075' offset | 256+00 (N) on 1075' offset | 1 | R | 1001 | 8945 | Range Line ∡ = 90° F.S. on 256+00 (N) on 1075' offset |
| | | 2 | Y | | 8950 | |
| | | 3 | W | | 9000 | Going Out |
| | | 4 | Y | | 9005 | |
| | | 5 | W | | 9015 | |
| | | 6 | R | 1004 | 9015 | |
| | | 7 | Y | | 9000 | |
| | | 8 | W | | 8945 | |
| | | 9 | Y | | 9000 | |
| | | 10 | W | | 9015 | |
| | | 11 | R | 1006 | 8945 | |
| | | 12 | Y | | 8950 | |
| | | 13 | W | | 9000 | |
| | | 14 | Y | | 8955 | |
| | | 15 | W | | 8955 | |
| | | 16 | R | 1013 | 8945 | |
| | | 17 | Y | | 8950 | |
| | | 18 | W | | 9000 | |
| | | 19 | Y | | 9010 | |
| | | 20 | W | | 9005 | |
| | | 21 | R | 1032 | 9005 | End |

Range 258+00 (N)

F.B. 1288 PG. 36

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

Survey of Beach Erosion Date Date 1946 No. X-Sec.

Survey by Meineck Notes FWK 11-1-46 Notes Chkd Checked

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 248+00 N ON 120 OFFSET | 246+00 | 1 | R | 9:27 | 112-35 | Range 256+00 (IN) |
| | | 2 | Y | | 114-25 | |
| | | 3 | W | | 117-40 | |
| | | 4 | Y | | 120-15 | |
| | | 5 | W | | 126-30 | |
| | | 6 | R | 9:44 | 130-35 | |
| | | 7 | Y | | 136-05 | |
| | | 8 | W | | 139-15 | |
| | | 9 | Y | | 141-20 | |
| | | 10 | W | | 142-25 | |
| | | 11 | R | 9:50 | 143-30 | |
| | | 12 | Y | | 144-35 | |
| | | 13 | W | | 146-45 | |
| | | 14 | Y | | 147-40 | |
| | | 15 | W | | 149-05 | |
| | | 16 | R | 9:52 | 151-05 | |
| | | 17 | Y | | 152-55 | |

Cut in 256+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Date 19 Job No. 8412 Division No. ____ Survey of Beach Erosion

X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by K Notes J.G. Date 11-1-46

Map No. ____ Indexed ____ Date ____ Date ____

F.B. 1288 Pg. 37

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 248+00 N ON 120' OFFSET | 246+00 | 1 | R | 10:02 | 159-10 | Range 258+00 (N) OUT |
| | | 2 | Y | | 158-45 | |
| | | 3 | W | | 156-05 | |
| | | 4 | Y | | 155-10 | |
| | | 5 | W | | 154-10 | |
| | | 6 | R | 10:04 | 152-40 | |
| | | 7 | Y | | 151-20 | |
| | | 8 | W | | 150-15 | |
| | | 9 | Y | | 149-15 | |
| | | 10 | W | | 148-35 | |
| | | 11 | R | 10:07 | 146-30 | |
| | | 12 | Y | | 145-15 | |
| | | 13 | W | | 144-50 | |
| | | 14 | Y | | 142-40 | |
| | | 15 | W | | 140-10 | |
| | | 16 | R | 10:14 | 134-45 | |
| | | 17 | Y | | 131-00 | |
| | | 18 | W | | 126-10 | |
| | | 19 | Y | | 122-25 | |
| | | 20 | W | | 119-20 | |
| | | 21 | R | 10:32 | 116-30 | |

Cut in 258+00 (N)

F.B. 1288 PG. 38

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

Survey of Beach Erosion Date Date 1946 No. X-Sec.

Survey by Kleineck Notes J. Gregory 11-1-46 Notes Chkd. Checked No.

Indexed C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 9:27 | 28.3-29.9 | 28.8 | 3.9 | - 24.9 | Range 256+00(N) |
| 2 | Y | | 27-28.8 | 27.6 | | - 23.7 | Going In. |
| 3 | W | | 26-27.3 | 26.4 | | - 22.5 | |
| 4 | Y | | 24.8-27.2 | 25.6 | | - 21.7 | |
| 5 | W | | 23.2-24.8 | 23.7 | | - 19.8 | |
| 6 | R | 9:41 | 22-23.9 | 22.6 | 3.9 | - 18.7 | |
| 7 | Y | | 21-22.5 | 21.5 | | - 17.6 | |
| 8 | W | | 17.5-21 | 20.0 | | - 16.1 | |
| 9 | Y | | 17.5-20 | 18.3 | | - 14.4 | |
| 10 | W | | 16.5-17.9 | 17.0 | | - 13.1 | |
| 11 | R | 9:48 | 15.3-16.9 | 15.8 | 4.0 | - 11.8 | |
| 12 | Y | | 14.3-16.1 | 14.9 | | - 10.9 | |
| 13 | W | | 13-14.2 | 13.4 | | - 9.4 | |
| 14 | Y | | 11.5-13.2 | 12.1 | | - 8.1 | |
| 15 | W | | 10.5-12.3 | 11.1 | | - 7.1 | |
| 16 | R | 9:50 | 9-10.5 | 9.5 | 4.0 | - 5.5 | |
| 17 | | | 7.1-9.2 | 7.8 | | - 3.8 | END OF LINE. |

Boat.
256+00(N)

Profile
No. ____ Date 12-18-46 Notes Red F.U.S. Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 1946 Survey of Beach Erosion
No. ____ Notes Chkd ____ Checked ____ Survey by Kleineck Notes D.S. Date 11/1/46
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1288 PG. 39

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 10:08 | 7.2-8.6 | 7.7 | 4.0 | - 3.7 | Range 258+00 (N) Going out |
| 2 | Y | | 8-9 | 8.3 | | - 4.3 | |
| 3 | W | | 9.3-10.5 | 9.7 | | - 5.7 | |
| 4 | Y | | 10.2-11.5 | 10.6 | | - 6.6 | |
| 5 | W | | 11-12.5 | 11.5 | | - 7.5 | |
| 6 | R | 10:24 | 12-13.7 | 12.6 | 4.0 | - 8.6 | |
| 7 | Y | | 13.5-15 | 14.0 | | - 10.0 | |
| 8 | W | | 14.5-15.8 | 14.9 | | - 10.9 | |
| 9 | Y | | 15.6-17.1 | 16.1 | | - 12.1 | |
| 10 | W | | 16.5-17.5 | 16.8 | | - 12.8 | |
| 11 | R | 10:06 | 17.7-19.1 | 18.2 | 4.0 | - 14.2 | |
| 12 | Y | | 18.5-19.7 | 18.9 | | - 14.9 | |
| 13 | W | | 19.2-20.2 | 19.6 | | - 15.6 | |
| 14 | Y | | 20.5-21.7 | 20.9 | | - 16.9 | |
| 15 | W | | 21.4-22.5 | 21.8 | | - 17.8 | |
| 16 | R | 10:13 | 22.6-23.9 | 23.0 | 4.0 | - 19.0 | |
| 17 | Y | | 24-25.1 | 24.4 | | - 20.4 | |
| 18 | W | | 25-26 | 25.3 | | - 21.3 | |
| 19 | Y | | 26-27 | 26.3 | | - 22.3 | |
| 20 | W | | 27.4-27.7 | 27.5 | | - 23.5 | |
| 21 | R | 10:31 | 28.6-29.8 | 29.0 | 4.0 | - 25.0 | END OF LINE |

Boat. 258+00 (N)

F.B. 1288 PG. 40

Job No. 8912 Division No. ' Notes Red. F.J.S. Plotted H.U.M.H. Profile

Survey of Beach Erosion Date 12-18-46 Date 1946 No. X-Sec.

Survey by Kleineck Notes B.S. Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 260 | 258 | 1 | R | 10 41 | 90 20 | Range Line ∡ = 90° | F.S. on 258+00(N) |
| +00 | +00 | 2 | Y | | 90 15 | | on 107.5' offset. |
| (N) | (N) | 3 | W | | 89 50 | coming In | |
| on | on | 4 | Y | | 89 40 | | |
| 107.5' | 107.5 | 5 | W | | 89 55 | | |
| offset | offset | 6 | R | 10 56 | 90 05 | | |
| | | 7 | Y | | 89 55 | | |
| | | 8 | W | | 90 25 | | |
| | | 9 | Y | | 90 05 | | |
| | | 10 | W | | 90 10 | | |
| | | 11 | R | 11 01 | 90 00 | | |
| | | 12 | Y | | 90 20 | | |
| | | 13 | W | | 90 05 | | |
| | | 14 | Y | | 90 20 | | |
| | | ~~15~~ | | | | | |

Range 260+00(N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 847 Division No. ____
X-Sec. Date ____ Date 1946 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Kleiner Notes Gwk Date 11-1-'46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1288 PG. 41

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 262+00 (N) on 107.5' offset | 260+00 (N) on 107.5 offset | 1 | R | 1109 | 90 00 | Range Line ∡ = 90° F.S. on 260+00 (N) on 107.5' offset |
| | | 2 | Y | | 90 10 | |
| | | 3 | W | | 90 15 | |
| | | 4 | Y | | 90 10 | |
| | | 5 | W | | 90 10 | |
| | | 6 | R | 1113 | 89 40 | |
| | | 7 | Y | | 90 00 | |
| | | 8 | Y | | 90 10 | |
| | | 9 | Y | | 90 20 | |
| | | 10 | W | | 90 25 | |
| | | 11 | R | 1123 | 90 25 | |
| | | 12 | Y | | 89 45 | |
| | | 13 | W | | 90 25 | |
| | | 14 | Y | | 89 50 | |
| | | 15 | W | | 90 25 | |
| | | 16 | R | 1134 | 89 45 | |
| | | 17 | Y | | 89 45 | |
| | | 18 | W | | 89 35 | |
| | | 19 | Y | | 89 40 | |
| | | 20 | W | | 89 55 | End |

Range 262+00 (N)

F.B. 1288 PG. 42 Job No. 8417 Division No. Notes Red. Plotted H.L.M.H. Profile
Survey of Beach Erosion Date Date 1946 No. X-Sec.
Survey by Meyer Notes Fwd 11-1-46 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 248+00 N ON 120' OFFSET | 246+00 | 1 | R | 10:42 | 121-25 | Range 260+00 (N) (IN) |
| | | 2 | Y | | 126-10 | |
| | | 3 | W | | 129-50 | |
| | | 4 | Y | | 132-30 | |
| | | 5 | W | | 138-40 | |
| | | 6 | R | 10:57 | 144-45 | |
| | | 7 | Y | | 150-00 | |
| | | 8 | W | | 152-25 | |
| | | 9 | Y | | 154-40 | |
| | | 10 | W | | 156-15 | |
| | | 11 | R | 11:02 | 157-20 | |
| | | 12 | Y | | 158-50 | |
| | | 13 | W | | 159-50 | |
| | | 14 | Y | | 160-50 | |
| | | ~~15~~ | ~~W~~ | | | |
| | | ~~16~~ | ~~R~~ | | | |
| | | ~~17~~ | ~~Y~~ | | | |
| | | ~~18~~ | ~~W~~ | | | |

Cut in. 260+00 (N)

Profile Notes Red. Plotted H. U. M. H. Job No. 8412 Division No. F.B. 1288 PG. 43
No. Date Date 19 46 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by K Notes J.G. Date 11-1-46
No. Date Date Map No. Indexed P. Johnson Date

FORM 307 5M 1-46

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

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

Do not extend notes this side of this line.

F.B. 1288 Pg. 44 | Job No. 5412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1946 No.
Survey by Klewicki Notes Verified 11-1-46 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

| STATION Inst. At | Sight On | B.S. # | H.I. Color | F.S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 248+00 N ON 120' OFFSET | 246+00 | 1 | R | 11:10 | 164-20 | Range 262+00 (N) (OUT) |
| | | 2 | Y | | 163-35 | |
| | | 3 | W | | 163-15 | |
| | | 4 | Y | | 162-10 | |
| | | 5 | W | | 161-40 | |
| | | 6 | R | 11:14 | 160-30 | |
| | | 7 | Y | | 159-55 | |
| | | 8 | W Y | | 158-30 | |
| | | 9 | Y | | 158-00 | |
| | | 10 | W | | 157-10 | |
| | | 11 | R | 11:23 | 155-15 | |
| | | 12 | Y | | 153-20 | |
| | | 13 | W | | 150-50 | |
| | | 14 | Y | | 148-40 | |
| | | 15 | W | | 146-55 | |
| | | 16 | R | 11:35 | 137-40 | |
| | | 17 | Y | | 133-55 | |
| | | 18 | W | | 130-10 | |
| | | 19 | Y | | 126-20 | |
| | | 20 | W | | 124-10 | |

Cut in 262+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION # | Color | B. S.- Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 10:40 | 28.2-30 | 28.8 | 4.0 | - 24.8 | Range 260+00(N) |
| 2 | Y | | 27-29 | 27.7 | | - 23.7 | Going in |
| 3 | W | | 25.2-27.2 | 25.9 | | - 21.9 | |
| 4 | Y | | 24-27.2 | 25.1 | | - 21.1 | |
| 5 | W | | 22.9-25 | 23.6 | | - 19.6 | |
| 6 | R | 10:55 | 21-23.2 | 21.7 | 4.1 | - 17.6 | |
| 7 | Y | | 19.5-~~32~~ 22 | 20.3 | | - 16.2 | |
| 8 | W | | 17.9-19.6 | 18.5 | | - 14.4 | |
| 9 | Y | | 16.3-18 | 16.9 | | - 12.8 | |
| 10 | W | | 14-16 | 14.7 | | - 10.6 | |
| 11 | R | 11:00 | 12.5-14.9 | 13.3 | 4.1 | - 9.2 | |
| 12 | Y | | 10.5-13 | 11.3 | | - 7.2 | |
| 13 | W | | 9-11 | 9.7 | | - 5.6 | |
| 14 | Y | | 7.8-9.5 | 8.4 | | - 4.3 | END OF LINE |
| ~~15~~ | ~~W~~ | | | | | | |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |

Boat.
260+00(N)

Profile
Notes Red F.J.S. Plotted H.U.M.H. Job No. 8412 Division No.
No. Date 12-18-46 Date 1946 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Kleineck Notes D.S. Date 11-1-46
No. Date Date Map No. Indexed Johnson Date

F.B. 1288 PG. 45

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 11:08 | 7.2-10 | 8.1 | 4.1 | -4.0 | Range 262+00(N) |
| 2 | Y | | 8.2-10 | 8.8 | | -4.7 | Going out |
| 3 | W | | 9-10 | 9.3 | | -5.2 | |
| 4 | Y | | 10.5-11.5 | 10.8 | | -6.7 | |
| 5 | W | | 11.5-12.5 | 11.8 | | -7.7 | |
| 6 | R | 11:13 | 12.4-13.8 | 12.9 | 4.1 | -8.8 | |
| 7 | Y | | 13.4-14.8 | 13.9 | | -9.8 | |
| 8 | W | | 14.6-16.6 | 15.3 | | -11.2 | Believe Yellow [illegible] |
| 9 | Y | | 15.9-18.2 | 16.7 | | -12.6 | |
| 10 | W | | 16.8-18 | 17.2 | | -13.1 | |
| 11 | R | 11:23 | 18-20.3 | 18.8 | 4.2 | -14.6 | |
| 12 | Y | | 19.1-21.6 | 19.9 | | -15.7 | |
| 13 | W | | 20.5-22 | 21.3 | | -17.1 | |
| 14 | Y | | 22-23.8 | 22.6 | | -18.4 | |
| 15 | W | | 23-25.2 | 23.7 | | -19.5 | |
| 16 | R | 11:33 | 24-26 | 24.7 | 4.2 | -20.5 | |
| 17 | Y | | 25.2-26.8 | 25.7 | | -21.5 | |
| 18 | W | | 26.5-28 | 27.0 | | -22.8 | |
| 19 | Y | | 27.5-29 | 28.0 | | -23.8 | |
| 20 | W | | 28.9-31 | 29.6 | | -25.4 | End of Line |

Boat 262+00(N)

F.B. 1288 Pg. 46
Job No. 8412 Division No. ____ Notes Red F.J.S. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 12-18-46 Date 1946 No. ____
Survey by Kleinack Notes [illegible] Notes Chkd. ____ Checked ____ X-Sec.
Indexed C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 264 +00 -(N) on 1075 offset | 262 +00 -(N) on 1075 offset | 1 | R | 654 | 8955 | Range Line ∡=90° | F.S. on 262+00(N) on 1075 Offset |
| | | 2 | Y | | 9005 | | |
| | | 3 | W | | 8955 | coming In. | |
| | | 4 | Y | | 9015 | | |
| | | 5 | W | | 9010 | | |
| | | 6 | R | 714 | 9015 | | |
| | | 7 | Y | | 9020 | | |
| | | 8 | W | | 9015 | | |
| | | 9 | Y | | 9015 | | |
| | | 10 | W | | 9015 | | |
| | | 11 | R | 723 | 9000 | | |
| | | 12 | Y | | 9020 | | |
| | | 13 | W | | 9000 | | |
| | | 14 | Y | | 9025 | | |
| | | 15 | W | | 9025 | | |
| | | 16 | R | 727 | 9010 | | |
| | | 17 | Y | | 9000 | End. | |

Range 264+00 (N)

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 47
X-Sec. No. ____ Date ____ Date 1946 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Alameda Notes G.W.K. Date 11-4-46
Date ____ Date ____ Map No. ____ Indexed S. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | F. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 266+00 (N) | "N-17" | 1 | R | 7 35 | 90 25 | Range Line ∡ = 90° F.S. on N-17 on 107.5' offset |
| on | on | 2 | Y | | 90 10 | |
| 107.5 | 107.5 | 3 | W | | 90 15 | Going Out |
| Offset | offset | 4 | Y | | 90 15 | |
| | | 5 | W | | 90 10 | |
| | | 6 | R | 7 40 | 90 10 | |
| | | 7 | Y | | 90 00 | |
| | | 8 | W | | 89 50 | |
| | | 9 | Y | | 89 45 | |
| | | 10 | W | | 89 45 | |
| | | 11 | R | 7 44 | 90 15 | |
| | | 12 | Y | | 90 10 | |
| | | 13 | W | | 90 00 | |
| | | 14 | Y | | 89 45 | |
| | | 15 | W | | 89 45 | |
| | | 16 | R | 7 58 | 90 20 | |
| | | 17 | Y | | 89 50 | |
| | | 18 | W | | 90 05 | End |

Range 266+00 (N)

F.B. 1288 PG. 48

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

Survey of Beach Erosion Date 1946 No. X-Sec.

Survey by Kleinert Notes GWK 11-4-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. Sight At | On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 256+00 | 254+00 | 1 | R | 6:55 | 110-35 | Range Line 264+00 (N) |
| 07 | | 2 | Y | | 112-30 | |
| 1075' | | 3 | W | | 115-30 | |
| offset | | 4 | Y | | 120-50 | |
| | | 5 | W | | 124-10 | |
| | | 6 | R | 7:16 | 127-00 | |
| | | 7 | Y | | 131-50 | |
| | | 8 | W | | 136-40 | |
| | | 9 | Y | | 139-00 | |
| | | 10 | W | | 140-50 | |
| | | 11 | R | 7:25 | 142-50 | |
| | | 12 | Y | | 144-05 | |
| | | 13 | W | | 145-35 | |
| | | 14 | Y | | 147-50 | |
| | | 15 | W | | 149-20 | |
| | | 16 | R | 7:28 | 150-30 | |
| | | 17 | Y | | 151-50 | |
| | | ~~18~~ | ~~W~~ | | | |
| | | ~~19~~ | ~~Y~~ | | | |

Curtis.
264+00 (N)

Profile
Notes Red _____ Plotted H.U.M.H. Job No. 1442 Division No. _____
No. _____ Date _____ Date 12-46 Survey of Beach Erosion
X-Sec. Notes Chkd _____ Checked _____ Survey by Stewart Notes CWW Date 11-4-46
No. _____ Date _____ Date _____ Map No. _____ Indexed J. Johnson Date _____

F.B. 1288 Pg. 49

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 256+00 on 107.5' offset | 254+00 | 1 | R | 7:37 | 157-15 | Range 266+00(N) |
| | | 2 | Y | | 155-40 | |
| | | 3 | W | | 154-05 | |
| | | 4 | Y | | 153-15 | |
| | | 5 | W | | 151-[illegible] | |
| | | 6 | R | 7:41 | 150-15 | |
| | | 7 | Y | | 148-35 | |
| | | 8 | W | | 147-10 | |
| | | 9 | Y | | 145-40 | |
| | | 10 | W | | 143-50 | |
| | | 11 | R | 7:45 | [illegible] | |
| | | 12 | Y | | 138-50 | |
| | | 13 | W | | 132-20 | |
| | | 14 | Y | | 130-[illegible] | |
| | | 15 | W | | 126-05 | |
| | | 16 | R | 8:00 | [illegible] | |
| | | 17 | Y | | 115-[illegible] | |
| | | 18 | W | | [illegible] | |
| | | ~~19~~ | ~~Y~~ | | | |
| | | ~~20~~ | ~~W~~ | | | |

Cut in 266+00(N)

F.B. 1288 PG. 50

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

Survey of Beach Erosion Date ____ Date 1946 No. ____

Survey by Fleweck Notes CWW 11-4-'46 Notes Chkd ____ Checked ____ X-Sec.

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

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 6:56 | 28.9-31.9 | 29.9 | 4.5 | - 25.4 | RANGE 264+00 (N) |
| 2 | Y | | 27.5-29.8 | 28.3 | | - 23.8 | GOING IN. |
| 3 | W | | 25.2-28.4 | 26.9 | | - 22.4 | |
| 4 | Y | | 25-26.2 | 25.4 | | - 20.9 | |
| 5 | W | | [illegible] | 24.3 | | - 19.8 | |
| 6 | R | 7:15 | 22.7-24.1 | 23.2 | 4.4 | - 18.8 | |
| 7 | | | 21.5-24 | 22.4 | | - 18.0 | |
| 8 | W | | [illegible]-22 | 20.8 | | - 16.4 | |
| 9 | Y | | 19-20.2 | 19.4 | | - 15.0 | |
| 10 | W | | 17.6-18.8 | 18.3 | | - 13.9 | |
| 11 | R | 7:24 | 16-17.6 | 16.5 | 4.4 | - 12.1 | |
| 12 | Y | | [illegible] | 15.5 | | - 11.1 | |
| 13 | W | | 13-15.3 | 13.8 | | - 9.4 | |
| 14 | Y | | 12-13.2 | 12.4 | | - 8.0 | |
| 15 | W | | 10.8-12.8 | 11.5 | | - 7.1 | |
| 16 | R | 7:27 | 9.5-11.2 | 10.1 | 4.4 | - 5.7 | |
| 17 | | | 8.[illegible]-10 | 8.7 | | - 4.3 | END OF LINE |

Boat 264+00 (N)

Profile No. ____ Notes Red. F.U.S. Plotted H.U.M.H. Job No. 84[illegible] Division No. ____ F.B. 1288 Pg. 51
Date 12-19-46 Date 12-19-46 Survey of BEACH EROSION
X:Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by KLEINEC Notes D.S. Date 11-4-46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| | [illegible] | [illegible]:35 | 7.5-9.2 | 8.1 | 4.4 | -3.7 | [illegible] 266+00 (N) |
| | [illegible] | | 8.9-9.8 | 9.2 | | -4.8 | [illegible] OUT |
| | [illegible] | | 10.[illegible]-11.2 | 10.5 | | -6.1 | |
| | [illegible] | | 11.8-12.[illegible] | 12.1 | | -7.7 | |
| | | | 12.[illegible]-14 | 13.3 | | -8.9 | |
| | [illegible] | [illegible]:39 | 14-15.1 | 14.4 | 4.3 | -10.1 | |
| | | | 15.4-16.8 | 15.9 | | -11.6 | |
| | | | 16.5-18 | 17.0 | | -12.7 | |
| | | | 17.9-[illegible] | 18.2 | | -13.9 | |
| | | | 18.9-20.1 | 19.3 | | -15.0 | |
| | | 7:44 | 20-21.4 | 20.5 | 4.2 | -16.3 | |
| | | | 21.2-22.4 | 21.6 | | -17.4 | |
| | | | 22.5-23.7 | 22.9 | | -18.7 | |
| | [illegible] | | 23.5-24.4 | 23.8 | | -19.6 | |
| | [illegible] | | 24.6-25.7 | 25.0 | | -20.8 | |
| | [illegible] | [illegible]:58 | 25.4-26.3 | 25.7 | 4.1 | -21.6 | |
| | [illegible] | | 27.3-28.8 | 27.8 | | -23.7 | |
| | [illegible] | | 29-30.2 | 29.4 | | -25.3 | END OF LINE |

Boat 266+00 (N)

F.B. 1288 PG. 52 Job No. 8AIL Division No. Notes Red. F.U.S Plotted H.U.M.H. Profile
Survey of BEACH [illegible] Date 12-19-46 Date 1946 No.
Survey by [illegible] Notes Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 268 +00 (N) on 107.5' offset | 266 +00 (N) on 107.5' offset | 1 | R | 824 | 9005 | Range Line ∡ = 90° F.S. on 266+00(N) on 107.5' offset |
| | | 2 | Y | | 8925 | |
| | | 3 | W | | 9035 | Coming In. |
| | | 4 | Y | | 9030 | |
| | | 5 | W | | 9025 | |
| | | 6 | R | 839 | 9015 | |
| | | 7 | Y | | 8955 | |
| | | 8 | W | | 9025 | |
| | | 9 | Y | | 9020 | |
| | | 10 | W | | 9035 | |
| | | 11 | R | 851 | 8950 | |
| | | 12 | Y | | 9010 | |
| | | 13 | W | | 9020 | |
| | | 14 | Y | | 9040 | |
| | | 15 | W | | 9000 | |
| | | 16 | R | 854 | 9035 | |
| | | 17 | Y | | 9030 | |
| | | 18 | W | | 9000 | End |

Range 268+00 (N)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 53
X-Sec. No. ____ Date ____ Date ____ Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Hemmert Notes Tuck Date 11-4-46
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 270 | 268 | 1 | R | 906 | 89 50 | Range Line ∡ = 90° F.S. on 268+00(N) |
| +00 | +00 | 2 | Y | | 90 10 | on 107.5' offset |
| (N) | (N) | 3 | W | | 90 20 | Going Out |
| on | | 4 | Y | | 89 30 | |
| 107.5' | | 5 | W | | 90 20 | |
| offset | | 6 | R | 910 | 90 10 | |
| | | 7 | Y | | 90 30 | |
| | | 8 | W | | 89 55 | |
| | | 9 | Y | | 90 00 | |
| | | 10 | W | | 90 00 | |
| | | 11 | R | 916 | 90 05 | |
| | | 12 | Y | | 89 40 | |
| | | 13 | W | | 89 30 | |
| | | 14 | Y | | 89 40 | |
| | | 15 | W | | 89 55 | |
| | | 16 | R | 934 | 89 50 | |
| | | 17 | Y | | 89 55 | |
| | | 18 | W | | 90 00 | End |

Range 270+00(N)

F.B. 1288 PG. 54

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

Survey of Beach Erosion Date 1946 No.

Survey by Meineck Notes GWK 11.4.46 Notes Chkd Checked X-Sec.

Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 256+00 on 107.5' offset | 254+00 | 1 | R | 8:25 | 116-20 | Range 268+00 (N) |
| | | 2 | Y | | 117-55 | |
| | | 3 | W | | 120-50 | |
| | | 4 | Y | | 123-15 | |
| | | 5 | W | | 126-40 | |
| | | 6 | R | 8:40 | 12[illegible]-30 | |
| | | 7 | Y | | 132-30 | |
| | | 8 | W | | 140-20 | |
| | | 9 | Y | | 145-40 | |
| | | 10 | W | | 149-20 | |
| | | 11 | R | 8:53 | 150-50 | |
| | | 12 | Y | | 151-50 | |
| | | 13 | W | | 153-30 | |
| | | 14 | Y | | 154-20 | |
| | | 15 | W | | 155-25 | |
| | | 16 | Y | 8:56 | 156-40 | |
| | | 17 | Y | | 158-00 | |
| | | 18 | W | | 158-55 | |
| | | ~~19~~ | ~~Y~~ | | | |
| | | ~~20~~ | ~~W~~ | | | |

Cut in 268+00 (N)

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 55
X-Sec. No. ____ Date ____ Date 19-46 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Klemmer Notes CWW Date 11-4-'46
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 256+00 on 107.5' offset | 254+00 | 1 | R | 9:08 | 165-25 | Range 270+00 (N) |
| | | 2 | Y | | 160-20 | |
| | | 3 | W | | 159-[illegible] | |
| | | 4 | Y | | 158-[illegible]5 | |
| | | 5 | W | | 157-30 | |
| | | 6 | R | 9:12 | 156-30 | |
| | | 7 | Y | | 155-15 | |
| | | 8 | W | | 153-20 | |
| | | 9 | Y | | 151-45 | |
| | | 10 | W | | 150-[illegible] | |
| | | [illegible] | R | 9:13 | 147-[illegible] | |
| | | 12 | Y | | 141-[illegible] | |
| | | 13 | W | | 138-[illegible]5 | |
| | | 14 | Y | | 134-[illegible] | |
| | | 15 | W | | [illegible] | |
| | | 16 | R | 9:35 | [illegible] | |
| | | 17 | Y | | 125-[illegible] | |
| | | 18 | W | | 121-[illegible] | |
| | | ~~19~~ | ~~Y~~ | | | |
| | | ~~20~~ | ~~W~~ | | | |

Cut in 270+00 (N)

F.B. 1288 PG. 56

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Meineck Notes CWW 11-4-46 Notes Chkd Checked No.

Indexed C. Johnson Date Date Date

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | | 8:25 | 29-30.3 | 29.4 | 3.8 | -25.6 | Cable 268+00 (N) |
| 2 | | | 28-29 | 28.3 | | -24.5 | Going IN. |
| 3 | | | 27-28 | 27.3 | | -23.5 | |
| 4 | | | 26-27.1 | 26.4 | | -22.6 | |
| 5 | | | 25-27 | 25.7 | | -21.9 | |
| 6 | | 8:39 | 23.8-25.7 | 24.4 | 3.7 | -20.7 | |
| 7 | | | 22.6-24.2 | 23.1 | | -19.4 | |
| 8 | | | 21.2-23 | 21.8 | | -18.1 | |
| 9 | | | 19.5-21.7 | 20.2 | | -16.5 | |
| 10 | | | 18.1-19.8 | 18.7 | | -15.0 | |
| 11 | | 8:50 | 17-18 | 17.3 | 3.6 | -13.7 | |
| 12 | | | 16-17.6 | 16.5 | | -12.9 | |
| 13 | | | 14.7-16.8 | 15.4 | | -11.8 | |
| 14 | | | 13.8-15.6 | 14.4 | | -10.8 | |
| 15 | | | 12-14 | 12.7 | | -9.1 | |
| 16 | | 8:54 | 10.6-12.3 | 11.2 | 3.5 | -7.7 | |
| 17 | | | 8.8-10.6 | 9.4 | | -5.9 | |
| 18 | | | 8-9.2 | 8.4 | | -4.9 | END OF LINE. |

Boat 268+00 (N)

Profile No. ____ Notes Red. F.d.S. Date 12-19-46 Plotted H.U.M.H. Date 1947 Job No. 8412 Division No. ____ F.B. 1288 Pg. 57

X:Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of ____ Survey by KLEINFELD Notes ____ Date ____ Map No. ____ Indexed Johnson Date ____

FORM 307 2M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 128 PG. 58
Survey of
Survey by E. FINNEY
Indexed C. Johnson
Job No. Division No.
Notes Date
Notes Red. E.U.S. Date 12-19-46
Notes Chkd. Date
Plotted HUMH Date 1947
Checked Date
Profile No.
X-Sec. No.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | | Remarks |
|---|---|---|---|---|---|---|---|---|
| 1 | | 9:06 | 7.8 - 9.4 | 8.3' | 3.5' | - 4.8' | | Range 270+00 (N) |
| | | | 9 - 11 | 9.7' | | - 6.2' | | Series |
| 3 | | | 11 - 12 | 11.3' | | - 7.8' | | |
| 4 | | | 12 - 13 | 12.3' | | - 8.8' | | |
| 5 | | | 13 - 14.5' | 13.5' | | - 10.0' | | |
| 6 | F. | 9:11 | 12.2 - 15.4 | 14.6' | 3.4' | - 11.2' | | |
| 7 | | | 15.7 - 17 | 16.1' | | - 12.7' | | |
| 8 | | | 16.8 - 19 | 17.5' | | - 14.1' | | |
| 9 | | | 18 - 19.3 | 18.4' | | - 15.0' | | |
| 10 | | | 19 - 20 | 19.3' | | - 15.9' | | |
| 11 | | 9:17 | 20.3 - 21.4 | 20.7' | 3.3' | - 17.4' | | |
| 12 | | | 21.2 - 22.9 | 21.8' | | - 18.5' | | |
| 13 | | | 22.3 - 24 | 22.9' | | - 19.6 - | | |
| 14 | | | 23.3 - 24.5 | 23.7' | 3.2' | - 20.5' | | |
| 15 | | | 24.1 - 25.5 | 24.6' | | - 21.4' | | |
| 16 | | 9:33 | 25.2 - 26.6 | 25.7' | 3.1' | - 22.6' | | |
| 17 | | | 26.2 - 27.5 | 26.6' | | - 23.5' | | |
| 18 | | | 28 - 28.9 | 28.3' | | - 25.2' | | End of Line. |

Book 270+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 272 +00 (N) on 107.5' offset | 270 +00 (N) on 107.5' offset | 1 | R | 9 53 | 90 05 | Range Line ∡ = 90° | F.S. on 270+00 (N) on 107.5' offset |
| | | 2 | Y | | 89 50 | | |
| | | 3 | W | | 90 10 | Coming In. | |
| | | 4 | Y | | 89 55 | | |
| | | 5 | W | | 90 00 | | |
| | | 6 | R | 10 11 | 89 55 | | |
| | | 7 | Y | | 89 50 | | |
| | | 8 | W | | 90 05 | | |
| | | 9 | Y | | 90 00 | | |
| | | 10 | W | | 90 15 | | |
| | | 11 | R | 10 20 | 90 10 | | |
| | | 12 | Y | | 90 10 | | |
| | | ~~13~~ | ~~W~~ | | ~~90 15~~ | Out. | |
| | | 14 | W | | 89 50 | | |
| | | 15 | Y | | 90 00 | | |
| | | 16 | W | | 90 10 | | |
| | | 17 | R | 10 22 | 90 20 | | |
| | | 18 | W | | 91 00 | End. | |

Range 272+00 (N)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 59
X-Sec. No. ____ Date ____ Date 1947-46 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Wiemeck Notes GWK Date 11-4-46
Date ____ Date ____ Map No. ____ Indexed Jonnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION. Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 274+00 (N) on 107.5' offset | 272+00 (N) on 107.5' offset | 1 | R | 10 30 | 89 40 | Range Line ∡ = 90° | F.S on 272+00 (N) on 107.5' offset |
| | | 2 | Y | | 90 30 | | |
| | | 3 | W | | 90 15 | Going Out | |
| | | 4 | Y | | 90 40 | | |
| | | 5 | W | | 90 [illegible] | | |
| | | 6 | R | 10 37 | 90 20 | | |
| | | 7 | Y | | 90 35 | | |
| | | 8 | W | | 90 20 | | |
| | | 9 | Y | | 89 [illegible] | | |
| | | 10 | W | | 90 [illegible] | | |
| | | 11 | R | 10 44 | 90 15 | | |
| | | 12 | Y | | 90 20 | | |
| | | 13 | W | | 90 20 | | |
| | | 14 | Y | | 89 [illegible] | | |
| | | 15 | W | | 90 00 | | |
| | | 16 | R | 11 10 | 90 20 | | |
| | | 17 | Y | | 90 10 | | |
| | | 18 | W | | 90 00 | End. | |

Range 274+00 (N)

F.B. 1288 PG. 60 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1947 No. X-Sec.
Survey by Hlemeck Notes GWK 11-4-46 Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 264+00 on 107.5' offset | 262+00 | 1 | R | 9:50 | 105-05 | Range 272+00 (N) |
| | | 2 | Y | | 110-45 | |
| | | 3 | W | | 113-05 | |
| | | 4 | Y | | 117-50 | |
| | | 5 | W | | 123-05 | |
| | | 6 | R | 10:13 | 124-30 | |
| | | 7 | Y | | 127-05 | |
| | | 8 | W | | 131-05 | |
| | | 9 | Y | | 137-10 | |
| | | 10 | W | | 139-35 | |
| | | 11 | R | 10:21 | 141-25 | |
| | | 12 | Y | | 142-40 | |
| | | ~~13~~ | ~~W~~ | | ~~143-05~~ | out |
| | | 14 | W | | 144-05 | |
| | | 15 | Y | | 144-50 | |
| | | 16 | W | | 145-55 | |
| | | 17 | R | 10:24 | 148-05 | |
| | | 18 | W | | 149-25 | |
| | | ~~19~~ | ~~Y~~ | | | |
| | | ~~20~~ | ~~W~~ | | | |

Cut in 272+00 (N)

Profile
No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Notes Chkd. ____ Date ____ Checked ____ Date 1947-46 Survey of Beach Erosion
No. ____ Date ____ Date ____ Map No. ____ Survey by Hanneck Notes C.W.W. Date 11-4-'46
Indexed ____ Date ____ C. Johnson

F.B. 1288 PG. 61

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 264+00 on 107.5' offset | 2[illegible] | 1 | R | 10:31 | 15[illegible] 20 | Range 274+00 (N) |
| | | 2 | Y | | 15[illegible] | |
| | | 3 | W | | 153-[illegible]5 | |
| | | 4 | Y | | 152-[illegible]5 | |
| | | 5 | W | | 150-[illegible]0 | |
| | | 6 | R | 10:39 | 149-[illegible]5 | |
| | | 7 | Y | | 147-[illegible] | |
| | | 8 | W | | 146-[illegible] | |
| | | 9 | Y | | 144-[illegible] | |
| | | 10 | W | | 141-50 | |
| | | 11 | R | [illegible] | 13[illegible] | |
| | | 12 | Y | | 130-[illegible] | |
| | | 13 | W | | 12[illegible]-[illegible]5 | |
| | | 14 | Y | | 12[illegible]-[illegible] | |
| | | 15 | W | | 12[illegible]-15 | |
| | | 16 | R | 11:12 | 1[illegible]7-[illegible]5 | |
| | | 17 | Y | | 114-[illegible] | |
| | | 18 | W | | 111-50 | |
| | | 19 | | | | |
| | | 20 | | | | |

Cut in 274+00 (N)

F.B. 1288 PG. 62

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Kennect Notes CWW 11-4-'46 Notes Chkd. Checked

Indexed R. C. Johnson Date Date Date No.

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | | Remarks |
|---|---|---|---|---|---|---|---|---|
| 1 | R | 9:52 | 28.1-29.1 | 28.4 | 2.8 | - 25.6 | | RANGE 272+00 (N) |
| 2 | Y | | 26.2-27.8 | 26.7 | | - 23.9 | | GOING IN. |
| 3 | W | | 24.7-26.1 | 25.2 | | - 22.4 | | |
| 4 | Y | | 22.9-25.2 | 23.7 | | - 20.9 | | |
| 5 | W | | 21.7-22.9 | 22.1 | | - 19.3 | | |
| 6 | R | 10:11 | 20.7-23.2 | 21.5 | 2.7 | - 18.8 | | |
| 7 | Y | | 19.7-21.5 | 20.3 | | - 17.6 | | |
| 8 | W | | 18.7-20.1 | 19.2 | | - 16.5 | | |
| 9 | Y | | 17.7-18.8 | 18.1 | | - 15.4 | | |
| 10 | W | | 16.6-18.2 | 17.1 | | - 14.4 | | |
| 11 | R | 10:20 | 15.2-16.5 | 15.6 | 2.6 | - 13.0 | | |
| 12 | Y | | 14-15.8 * | 14.6 | | - 12.0 | | |
| 13 | | | | | | | | WAVED, NO SOUNDINGS. |
| 14 | W | | 13-14 | 13.3 | | - 10.7 | | |
| 15 | Y | | 11.8-12.6 | 12.1 | | - 9.5 | | |
| 16 | W | | 10-12.3 | 10.8 | | - 8.2 | | |
| 17 | R | 10:22 | 8.2-9.8 | 8.7 | 2.6 | - 6.1 | | |
| 18 | Y | | 6.8-8.8 | 7.5 | | - 4.9 | | END OF LINE. |

Boat. 272+00 (N)

Profile No. ____ Notes Red. F.J.S. Date 12-19-46 Plotted H.U.M.H. Date 1947. Job No. 841 Division No. ____ Survey of BEACH EROSION
X:Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by SLEIGHT Notes D.S. Date 11-4-46 Map No. ____ Index J. Johnson Date ____

F.B. 1288 PG. 63

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | | Remarks |
|---|---|---|---|---|---|---|---|---|
| 1 | R | 10:29 | 5.1-7 | 5.7 | 2.5 | -3.2 | | RANGE 274+00 (N) |
| 2 | Y | | 6.6-7.2 | 6.8 | | -4.3 | | GOING OUT. |
| 3 | W | | 7.6-9 | 8.1 | | -5.6 | | |
| 4 | Y | | [illegible]-10 | 9.2 | | -6.7 | | |
| 5 | W | | [illegible]-12.2 | 11.4 | | -8.9 | | |
| 6 | R | 10:36 | 12.2-13.2 | 12.5 | 2.5 | -10.0 | | |
| 7 | Y | | 13.7-14.5 | 14.0 | | -11.5 | | |
| 8 | W | | 14.1-16.1 | 14.8 | | -12.3 | | |
| 9 | Y | | 16.7-18.1 | 17.2 | | -14.7 | | |
| 10 | W | | 17.8-18.4 | 18.0 | | -15.5 | | |
| 11 | R | 10:44 | 19.1-20.3 | 19.5 | 2.4 | -17.1 | | |
| 12 | Y | | 20.3-21.5 | 20.7 | | -18.3 | | |
| 13 | W | | 21.6-23.2 | 22.1 | | -19.7 | | |
| 14 | Y | | 22.7-23.3 | 22.9 | | -20.5 | | |
| 15 | W | | 23.7-24.4 | 23.9 | | -21.5 | | |
| 16 | R | 11:10 | 24.8-25.8 | 25.1 | 2.3 | -22.8 | | |
| 17 | Y | | 25.9-27.1 | 26.3 | | -24.0 | | |
| 18 | W | | 27.4-28.3 | 27.7 | | -25.4 | Boat 274+00 (N) | END OF LINE. |

F.B. 1288 PG. 64
Job No. 8412 Division No.
Survey of BEACH EROSION
Survey by KLEINECK Notes D.S. 11-4-46
Indexed A. C. Johnson Date
Notes Red. F.U.S. Date 12-19-46
Notes Chkd. Date
Plotted H.U.M.H. Date 1947
Checked Date
Profile No.
X-Sec. No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 276 +00 (N) on base-line | 264 +00 (N) on 107.5' offset | 1 | R | 1134 | 9010 | Range Line ∡ = 90° F.S. on 264+00 |
| | | ~~2~~ | ~~Y~~ | | ~~9015~~ | out. coming in on 107.5' offset. (N) |
| | | 3 | W | | 8955 | |
| | | 4 | Y | | 9005 | |
| | | 5 | W | | 9000 | |
| | | 6 | R | 1147 | 9000 | |
| | | 7 | Y | | 8945 | |
| | | 8 | W | | 9010 | |
| | | 9 | Y | | 9000 | |
| | | 10 | W | | 8950 | |
| | | 11 | R | 1158 | 9025 | |
| | | 12 | Y | | 9005 | |
| | | 13 | W | | 9005 | |
| | | 14 | Y | | 9030 | |
| | | 15 | W | | 9040 | |
| | | 16 | R | 1200 | 9025 | End. |

Range 276+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 PG. 65
X-Sec. No. ____ Date ____ Date 1947 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Kleinert Notes Gwk. Date 11-4-46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 278 +90 (N) | "N-20" | 1 | R | 656 | 90 30 | Range Line ∡ = 90° F.S. on "N-20" |
| | | 2 | Y | | 89 35 | Coming in |
| | | 3 | W | | 89 40 | |
| | | 4 | Y | | 89 50 | |
| | | 5 | W | | 89 50 | |
| | | 6 | R | 713 | 90 20 | |
| | | 7 | Y | | 90 00 | |
| | | 8 | W | | 90 00 | |
| | | 9 | Y | | 90 20 | |
| | | 10 | W | | 90 00 | |
| | | 11 | R | 725 | 90 25 | |
| | | 12 | Y | | 90 05 | |
| | | 13 | W | | 90 05 | |
| | | 14 | Y | | 90 00 | |
| | | 15 | W | | 89 50 | |
| | | 16 | R | 728 | 89 55 | End |

Range 278+00(N)

F.B. 1288 PG. 66

Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 1947 No. X-Sec.
Survey by Meyrock Notes GW 4-11-6-46 Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 264+00 on 107.5 offset | 262+00 | 1 | R | 11:25 | 116-25 | Range 276+00 (N) |
| | | 2 | Y | | | Missed. |
| | | 3 | W | | 120-40 | |
| | | 4 | Y | | 123-40 | |
| | | 5 | W | | 127-00 | |
| | | 6 | R | 11:~~49~~ 47 | 130-15 | |
| | | 7 | Y | | 134-30 | |
| | | 8 | W | | 138-20 | |
| | | 9 | Y | | 145-00 | |
| | | 10 | W | | 148-30 | |
| | | 11 | R | ~~12:00~~ 11:58 | 150-50 | |
| | | 12 | Y | | 152-10 | |
| | | 13 | W | | 153-05 | |
| | | 14 | Y | | 154-10 | |
| | | 15 | W | | 155-15 | |
| | | 16 | R | 12:~~02~~ 00 | 156-40 | |
| | | ~~17~~ | ~~Y~~ | | | |
| | | ~~18~~ | ~~W~~ | | | |
| | | ~~19~~ | ~~Y~~ | | | |
| | | ~~20~~ | ~~W~~ | | | |

Cut in 276+00 (N)

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. ____ Date ____ Date 1947 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Kleiner Notes C.W.W. Date 11-4-46
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 1288 PG. 67

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 270+00 | 268+00 | 1 | R | 6:56 | [illegible] | Range Line 278+00 (N) |
| on | | 2 | Y | | [illegible] 46 | |
| 1075' | | 3 | W | | 111-30 | |
| offset | | 4 | Y | | 115-15 | |
| | | 5 | W | | 119-30 | |
| | | 6 | R | 7:13 | [illegible] | |
| | | 7 | Y | | 12[illegible]-30 | |
| | | 8 | W | | 12[illegible] | |
| | | 9 | Y | | 134[illegible] | |
| | | 10 | W | | 141-[illegible] | |
| | | 11 | R | 7:25 | [illegible] | |
| | | 12 | Y | | [illegible] | |
| | | 13 | W | | [illegible] | |
| | | 14 | Y | | 147-5 | |
| | | 15 | W | | 148-[illegible] | |
| | | 16 | R | 7:2[illegible] | | |
| | | ~~17~~ | ~~Y~~ | | | |
| | | ~~18~~ | ~~W~~ | | | |
| | | ~~19~~ | ~~Y~~ | | | |
| | | ~~20~~ | ~~W~~ | | | |

Cut in 278+00 (N)

F.B. 1288 PG. 68

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

Survey of Beach Erosion Date ____ Date 1947 No. ____

Survey by Meineck Notes GWW-11-6-46 Notes Chkd ____ Checked ____ X-Sec.

Indexed C. Jeppson Date ____ Date ____ Date ____ No. ____

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 11:33 | 27.4-28.4 | 27.7 | 2.2 | -25.5 | RNN @ 276+00 (N) |
| ~~2~~ | ~~Y~~ | | ~~26.4-27.7~~ | out | | | GOING IN. |
| 3 | W | | 25-27 | 25.7 | | -23.5 | |
| 4 | Y | | 24-24.8 | 24.3 | | -22.1 | |
| 5 | W | | 22.8-24.3 | 23.3 | | -21.1 | |
| 6 | R | 11:46 | 21.8-23.2 | 22.3 | 2.1 | -20.2 | |
| 7 | Y | | 20.8-22.3 | 21.3 | | -19.2 | |
| 8 | W | | 19.7-21.7 | 20.4 | | -18.3 | |
| 9 | Y | | 17.6-19.8 | 18.3 | | -16.2 | |
| 10 | W | | 16.1-17.9 | 16.7 | | -14.6 | |
| 11 | R | 11:56 | 14.5-15.7 | 14.9 | 2.1 | -12.8 | |
| 12 | Y | | 13.1-14.8 | 13.7 | | -11.6 | |
| 13 | W | | 12-13.3 | 12.4 | | -10.3 | |
| 14 | Y | | 10.9-12.2 | 11.3 | | -9.2 | |
| 15 | W | | 9.2-10.1 | 9.5 | | -7.4 | |
| 16 | R | 12:00 | 7-9.1 | 7.7 | 2.1 | -5.6 | END OF LINE. |

Boat. 276+00 (N)

Profile No. ____ Notes Red. F.J.S. Date 12-19-46 Plotted H.U.M.H. Date 1947. Job No. 8412 Division No. ____ Survey of BEACH EROSION Survey by FLEINECK Notes D.S. Date 11-4-46 Map No. ____ Indexed Johnson Date ____

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

F.B. 1288 PG. 69

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

F.B. 238 Pg. 70 | Job No. 8412 Division No. | Profile No. | X-Sec. No.
Survey of Seaside Co.
Survey by Kleineck Notes GOH 11/6/46 | Plotted H.U.M.H. | Notes Red. F.W.S. Date 12-19-46 | Checked | Notes Chkd. | Date | Date
Indexed A. C. Johnson Date

| STATION # | Color | Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | K | 6:56 | 30.5 - 31.3 | 30.8 | 5.4 | - 25.4 | Range = 278 to 288 (N) Grade 1% |
| 2 | Y | | 29.4 - 30.5 | 29.8 | | - 24.4 | |
| 3 | W | | 28.2 - 31. | 29.1 | | - 23.7 | |
| 4 | Y | | 26.8 - 28.3 | 27.3 | | - 21.9 | |
| 5 | W | | 25. - 27. | 25.7 | | - 20.3 | |
| 6 | K | 7:13 | 23.9 - 25.2 | 24.3 | 5.4 | - 18.9 | |
| 7 | Y | | 21.8 - 23.8 | 22.5 | | - 17.1 | |
| 8 | W | | 20.2 - 22. | 20.8 | | - 15.4 | |
| 9 | Y | | 18.2 - 21. | 19.1 | | - 13.7 | |
| 10 | W | | 16.9 - 19.5 | 17.8 | | - 12.4 | |
| 11 | K | 7:25 | 14.5 - 18.1 | 15.7 | 5.3 | - 10.4 | |
| 12 | Y | | 13.5 - 16.7 | 14.6 | | - 9.3 | |
| 13 | W | | 12 - 13.8 | 12.6 | | - 7.3 | |
| 14 | Y | | 10 5 - 12.5 | 11.6 | | - 5.7 | |
| 15 | W | | 9 - 11. | 9.7 | | - 4.4 | |
| 16 | K | 7:29 | 8.5 - 12. | 9.7 | 5.3 | - 4.4 | End of line |
| | | | | | | | Boat 278+00 (N) |
| | | | | | | | |
| | | | | | | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 280 | "N-20" | 1 | R | 7 36 | 9010 | Range Line ∡ = 90° F.S. on "N-20" |
| 400 (N) | | 2 | Y | | 9000 | Going Out |
| | | 3 | W | | 9020 | |
| | | 4 | Y | | 9015 | |
| | | 5 | W | | 8950 | |
| | | 6 | R | 7 41 | 9000 | |
| | | 7 | Y | | 9000 | |
| | | 8 | W | | 8950 | |
| | | 9 | Y | | 9005 | |
| | | 10 | W | | 9000 | |
| | | 11 | R | 7 48 | 9020 | |
| | | 12 | Y | | 8950 | |
| | | 13 | W | | 9010 | |
| | | 14 | Y | | 8950 | |
| | | 15 | W | | 9015 | |
| | | 16 | R | 8 09 | 9020 | End |

Range 280+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 1947 Job No. 8412 Division No. ____ Survey of Beach Erosion

X-Sec. No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Kloinecht Date 11-6-46 Notes Chk Date ____ Map No. ____ Indexed J. Johnson Date ____

F.B. 1288 Pg. 71

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 282+00 (N) | N-20 | 1 | R | 822 | 8930 | Range Line ∡-90° F.S. on "N-20" |
| | | 2 | Y | | 9000 | Coming In. |
| | | 3 | W | | 9000 | |
| | | 4 | Y | | 8940 | Note: This line along S. edge |
| | | 5 | W | | 8945 | of Sunset Pier. |
| | | 6 | R | 838 | 9010 | |
| | | 7 | Y | | 9005 | |
| | | 8 | W | | 9010 | |
| | | 9 | Y | | 8950 | |
| | | 10 | W | | 9000 | |
| | | 11 | R | 851 | 9020 | |
| | | 12 | Y | | 9015 | |
| | | 13 | W | | 9010 | |
| | | 14 | Y | | 9010 | |
| | | 15 | W | | 9020 | |
| | | 16 | R | 856 | 9015 | |
| | | 17 | Y | | 9000 | End. |

Range 282+00(N)

F.B. 1288 PG. 72

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Meneck Notes Gulf 11-6-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 270+00 on 107.5' offset | 268+00 | 1 | R | 7:35 | 153-00 | Range 280+00 |
| | | 2 | Y | | 152-00 | |
| | | 3 | W | | [illegible] | |
| | | 4 | Y | | 149-35 | |
| | | 5 | W | | 147-50 | |
| | | 6 | R | 7:41 | 146-30 | |
| | | 7 | Y | | 144-35 | |
| | | 8 | W | | 142-30 | |
| | | 9 | Y | | 140-45 | |
| | | 10 | W | | 137-55 | |
| | | 11 | R | 7:49 | 134-15 | |
| | | 12 | Y | | 128-30 | |
| | | 13 | W | | 123-25 | |
| | | 14 | Y | | 120-25 | |
| | | 15 | W | | 116-50 | |
| | | 16 | R | 8:09 | 114-50 | |
| | | ~~17~~ | ~~Y~~ | | | |
| | | ~~18~~ | ~~W~~ | | | |
| | | ~~19~~ | ~~Y~~ | | | |
| | | ~~20~~ | ~~W~~ | | | |

Cut in 280+00 (W)

Profile No. ____ Notes Red ____ Plotted H. M. H. Job No. 847 Division No. ____ F.B. 1288 Pg. 73
X-Sec. No. ____ Date ____ Date 1947 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Merrick Notes Cuttle Date 11-6-'46
Date ____ Date ____ Map No. ____ Indexed A. S. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 270+00 on 107.5' offset. | 268+00 | 1 | R | 8:22 | [illegible]15 | Range 282+00 |
| | | 2 | Y | | 119-55 | |
| | | 3 | W | | 12[illegible]-25 | |
| | | 4 | Y | | 12[illegible]-10 | |
| | | 5 | W | | 128-00 | |
| | | 6 | R | 8:38 | 131-15 | |
| | | 7 | Y | | 134-00 | |
| | | 8 | W | | 139-10 | |
| | | 9 | Y | | 14[illegible]-15 | |
| | | 10 | W | | 146-00 | |
| | | 11 | R | 8:52 | 148-10 | |
| | | 12 | Y | | 150-20 | |
| | | 13 | Y | | 15[illegible] | |
| | | 14 | Y | | 152-15 | |
| | | 15 | W | | 13[illegible] | |
| | | 16 | R | 8:56 | 155-10 | |
| | | 17 | Y | | 15[illegible] | |
| | | ~~18~~ | ~~Y~~ | | | |
| | | ~~19~~ | ~~Y~~ | | | |
| | | ~~20~~ | ~~W~~ | | | |

Cut in 282+00 (N)

F.B. 1288 PG. 74

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Hleinek Notes CWW 11-6-46 Notes Chkd. Checked No.

Indexed C. Johnson Date Date Date

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | | |
|---|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | | Remarks |
| 1 | R | 7:35 | 9.5 - 11.9 | 10.3 | 5.3 | - 5.0 | | RANGE 280+00 (N) |
| 2 | Y | | 10.5 - 12.5 | 11.2 | | - 5.9 | | GOING Out. |
| 3 | W | | 12. - 14 | 12.7 | | - 7.4 | | |
| 4 | Y | | 13.7 - 15 | 14.1 | | - 8.8 | | |
| 5 | W | | 15. - 17. | 15.7 | | - 10.4 | | |
| 6 | R | 7:40 | 16.2 - 17.9 | 16.8 | 5.2 | - 11.6 | | |
| 7 | Y | | 17.8 - 19.2 | 18.3 | | - 13.1 | | |
| 8 | W | | 19 - 20.2 | 19.4 | | - 14.2 | | |
| 9 | Y | | 20. - 22. | 20.7 | | - 15.5 | | |
| 10 | W | | 21 - 22. | 21.3 | | - 16.1 | | |
| 11 | R | 7:47 | 22. - 23.1 | 22.4 | 5.1 | - 17.3 | | |
| 12 | Y | | 23.7 - 25. | 24.1 | | - 19.0 | | |
| 13 | W | | 25.2 - 26.7 | 25.7 | 5.0 | - 20.7 | | |
| 14 | Y | | 26.4 - 27.8 | 26.9 | | - 21.9 | | |
| 15 | W | | 28.3 - 29.8 | 28.8 | | - 23.8 | | |
| | R | 8:10 | 29.4 - 31.1 | 30.0 | 4.9 | - 25.1 | End of line | |

Boat. 280+00 (N)

Profile No. ____ Notes Red. F.U.S. Plotted H.U.M.H. Job No. 2412 Division No. ____ F.B. 1288 Pg. 75
Date 12-19-46 Date 1947. Survey of PERCH EROSION
X:Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by KLINECK Notes GOH Date 11/6/46
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 8:23 | 29.5-31.1 | 30.0 | 4.7 | - 25.3 | Range 282+00(N) |
| 2 | Y | | 28.5-30 | 29.0 | | - 24.3 | Going In. |
| 3 | W | | 27.5 28.5 | 27.8 | | - 23.1 | |
| 4 | Y | | 26.2-27.1 | 26.5 | 4.6 | - 21.9 | |
| 5 | W | | 25.-26.7 | 25.6 | | - 21.0 | |
| 6 | R | 8:37 | 23.9 25.1 | 24.3 | 4.5 | - 19.8 | |
| 7 | Y | | 22.1-24.6 | 22.9 | | - 18.4 | |
| 8 | W | | 20.2-23.3 | 21.2 | | - 16.7 | |
| 9 | Y | | 19.5-23. | 20.7 | 4.4 | - 16.3 | |
| 10 | W | | 18.3-19.9 | 18.8 | | - 14.4 | |
| 11 | R | 8:50 | 16.8-18.8 | 17.5 | 4.3 | - 13.2 | |
| 12 | Y | | 15.3-16.7 | 15.8 | | - 11.5 | |
| 13 | W | | 14.2-16.3 | 14.9 | 4.2 | - 10.7 | |
| 14 | Y | | 12.5-15.1 | 13.4 | | - 9.2 | Boot 282+00(N) |
| 15 | W | | 11.4-12.2 | 11.7 | | - 7.5 | |
| 16 | R | 8:55 | 10.-12. | 10.7 | 4.1 | - 6.6 | |
| 17 | Y | | 9.-11. | 9.7 | | - 5.6 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

F.B. 1288 PG. 76
Job No. 8412 Division No. Notes Red. F.J.S. Date 12-19-46 Plotted H.U.M.H. Date 1947 Profile No.
Survey of Beach Erosion Notes Chkd. Date Checked Date X-Sec. No.
Survey by Kleineck Notes G.O.H. 11/6/46 Date
Indexed A. C. Johnson Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

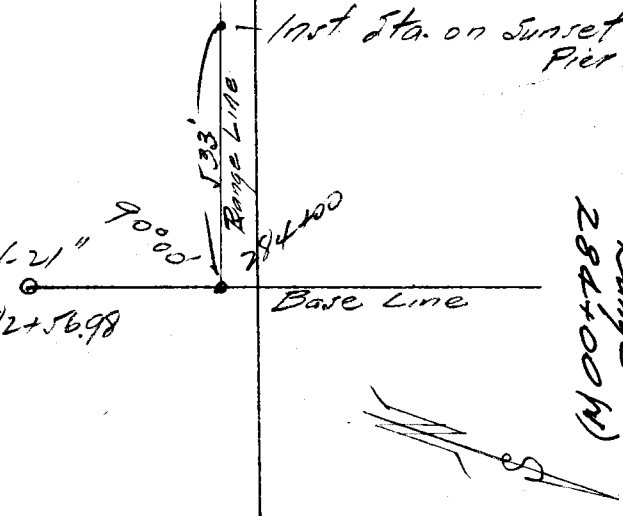
Do not extend notes this side of this line.

Profile Notes Red____ Plotted H. U. M. H. Job No. 2412 Division No.____ F.B. 1288 Pg. 77
No.____ Date____ Date 1947 Survey of Repair Section
X-Sec. Notes Chkd.____ Checked____ Survey by Meyer & Hall Date 11-6-46
No.____ Date____ Date____ Map No.____ Plotted F. Jansen Date____

| STATION | B. S. | H. I. | F. S. | ELEV. | Remarks. |
|---|---|---|---|---|---|
| ~~Ahead~~ Back | ~~Line~~ Ahead | # | Color | Time | Hor. Ang. | |
| 284 +00 (N) | 284 +00 (N) | 1 | R | 911 | 180 00 | Range Line ∠ = 180° F.S. on 284+00 (N) on Control Line |
| | | 2 | Y | | 183 00 | |
| | | 3 | W | | 182 00 | This shot off outer edge of Sunset Pier — Going Out. |
| | | 4 | Y | | 182 00 | |
| | | 5 | W | | 180 30 | |
| | | 6 | R | 915 | 179 00 | Inst Sta. on Sunset Pier. |
| | | 7 | Y | | 181 00 | |
| | | 8 | W | | 180 40 | |
| | | 9 | Y | | 180 00 | |
| | | 10 | W | | 180 40 | |
| | | 11 | R | 922 | 180 25 | |
| | | 12 | Y | | 180 25 | |
| | | 13 | W | | 180 20 | |
| | | 14 | Y | | 179 45 | |
| | | 15 | W | | 180 00 | |
| | | 16 | R | 935 | 180 20 | |
| | | 17 | Y | | 179 55 | |
| | | 18 | W | | 180 00 | End. |

Inst. 533.0 out 0.0 Range Line - Meas. Base

On Control Line



FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At. | Sight On | # | Color | Time | Hor. Ang. | Remarks. | |
| 286 +00 (N) | "N-21" | 1 | R | 1025 | 90 00 | Range Line ∡ = 90° F.S. on "N-21" Coming In. | |
| | | 2 | Y | | 89 30 | | |
| | | 3 | W | | 90 15 | | |
| | | 4 | Y | | 90 00 | | |
| | | 5 | W | | 90 00 | | |
| | | 6 | R | 1039 | 89 45 | | |
| | | 7 | Y | | 90 15 | | |
| | | 8 | W | | 90 15 | | |
| | | 9 | Y | | 89 50 | | |
| | | 10 | W | | 90 00 | | |
| | | 11 | R | 1050 | 90 15 | | |
| | | 12 | Y | | 89 50 | | |
| | | 13 | W | | 90 00 | | |
| | | 14 | Y | | 90 25 | End. | |
| | | ~~15~~ | | | | | |

Range 286+00 (N)

F.B. 1288 PG. 78

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

Survey of Beach Erosion Date ____ Date 1947. No. ____ X-Sec.

Survey by Kleinert Notes Gmk 11-6-'46 Notes Chkd. ____ Checked ____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Cut At | Sight On | # | Color | Time | Hor Ang | Remarks. | |
| 270+00 | 268+00 | 1 | R | 9:12 | 157-10 | Range 284+00 | |
| on | | 2 | Y | | 156-10 | | |
| 1075' | | 3 | W | | 155-30 | | |
| offset | | 4 | Y | | 154-10 | | |
| | | 5 | W | | 153-10 | | |
| | | 6 | R | 9:15 | 152-20 | | |
| | | 7 | Y | | 151-25 | | |
| | | 8 | W | | 150-00 | | |
| | | 9 | Y | | [illegible] | | |
| | | 10 | W | | [illegible] | | |
| | | 11 | R | 9:22 | [illegible] | | |
| | | 12 | Y | | 140-30 | | |
| | | 13 | W | | 136-40 | | |
| | | 14 | Y | | 133-15 | | |
| | | 15 | W | | 130-15 | | |
| | | 16 | R | 9:35 | 127-10 | | |
| | | 17 | Y | | 125-35 | | |
| | | 18 | W | | 122-30 | | |
| | | ~~19~~ | ~~W~~ | | | | |
| | | ~~20~~ | ~~W~~ | | | | |

Cut in
284+00 (N)

Profile
No. X-Sec.
Notes Red. Plotted H. U. M. H. Job No. 8417 Division No.
Date Date 1947 Survey of Beach Erosion
Notes Chkd. Checked Survey by Kleinert Notes GWW Date 11-6-'46
No. Date Date Map No. Indexed Date

F.B. 1288 PG. 79

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At. | Right On | # | Color | Time | Hr. Ang. | Remarks. | |
| 1130' W. (out) from Base Line, on Range Line 293+00 | 293+00 on Base Line | 1 | R | 10:25 | 147-50 | Range 286+00 | |
| | | 2 | Y | | 142-55 | | |
| | | 3 | W | | 137-15 | | |
| | | 4 | Y | | 132-[illegible] | | |
| | | 5 | W | | [illegible] | | |
| | | 6 | R | 10:30 | [illegible] | | |
| | | 7 | Y | | 84-[illegible] | | |
| | | 8 | W | | 76-[illegible] | | |
| | | 9 | Y | | 67-25 | | |
| | | 10 | W | | 65-10 | | |
| | | 11 | R | 10:50 | 63-[illegible] | | |
| | | 12 | Y | | 60-30 | | |
| | | 13 | W | | 58-30 | | |
| | | 14 | Y | | 56-35 | | |
| | | ~~15~~ | ~~W~~ | | | | |
| | | ~~16~~ | ~~R~~ | | | | |
| | | ~~17~~ | ~~Y~~ | | | | |
| | | ~~18~~ | ~~W~~ | | | | |
| | | ~~19~~ | ~~Y~~ | | | | |
| | | 20 | W | | | | |

Cut in 286+00 (N)

F.B. 1288 PG 80

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

Survey of Beach Erosion Date ____ Date 1947 No. ____

Survey by Kleinecke Notes CWW. 11-6-46 Notes Chkd. ____ Checked ____ X-Sec.

Indexed L. C. Johnson Date ____ Date ____ Date ____ No. ____

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 9:11 | 8.2-10.2 | 8.9 | 3.9 | -5.0 | Range 284+00 (N) |
| 2 | Y | | 9.-11. | 9.7 | | -5.8 | Going Out |
| 3 | W | | 10.2-12 | 10.8 | | -6.9 | |
| 4 | Y | | 12-15. | 13.0 | | -9.1 | |
| 5 | W | | 13.1-16.2 | 14.1 | | -10.2 | |
| 6 | R | 9:15 | 14.2-15.8 | 14.7 | 3.8 | -10.9 | |
| 7 | Y | | 15.5-17.7 | 16.2 | | -12.4 | |
| 8 | W | | 16.7-18.7 | 17.4 | | -13.6 | |
| 9 | Y | | 17.8-19. | 18.2 | | -14.4 | |
| 10 | W | | 18.8-20. | 19.2 | | -15.4 | |
| 11 | R | 9:22 | 20.2-21 | 20.5 | 3.7 | -16.8 | |
| 12 | Y | | 21.2-22.3 | 21.6 | | -17.9 | |
| 13 | W | | 22.5-23.8 | 22.9 | | -19.2 | |
| 14 | Y | | 23.5-24.7 | 23.9 | | -20.2 | |
| 15 | W | | 24.5-26. | 25.0 | | -21.3 | |
| 16 | R | 9:35 | 25.7-27. | 26.1 | 3.6 | -22.5 | |
| 17 | Y | | 26.5-28 | 27.0 | | -23.4 | |
| 18 | W | | 278-29.1 | 28.2 | | -24.6 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | | | | | | | |

Boat. 284+00 (N)

Profile No. ____ Notes Red. E.U.S. Plotted H.U.M.H. Job No. 8472 Division No. ____ F.B. 1288 PG. 81
Date 12-19-46 Date 1947 Survey of Beach Erosion
X:Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Kleinec Notes G.O.H. Date 11/6/46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 10:26 | 27.6-28.8 | 28.0 | 2.5 | - 25.5 | Range 286+00 (N) |
| 2 | Y | | 26 -27.8 | 26.6 | | - 24.1 | Going In. |
| 3 | W | | 24.8 -26.8 | 25.5 | | - 23.0 | |
| 4 | Y | | 23.6 -24.9 | 24.0 | | - 21.5 | |
| 5 | W | | 22 - 24.1 | 22.7 | | - 20.2 | |
| 6 | R | 10:36 | 20.2 -23.3 | 21.2 | 2.4 | - 18.8 | |
| 7 | Y | | 19 - 20 | 19.3 | | - 16.9 | |
| 8 | W | | 17.8 -20.2 | 18.6 | 2.2 | - 16.4 | |
| 9 | Y | | 16 - 17.5 | 16.5 | | - 14.3 | |
| 10 | W | | 14.5 - 17 | 15.3 | 2.1 | - 13.2 | |
| 11 | R | 10:50 | 13.5 -15.8 | 14.3 | 2.0 | - 12.3 | |
| 12 | Y | | 11.8 - 15 | 12.9 | | - 10.9 | |
| 13 | W | | 10.3 -12.8 | 11.1 | 1.7 | - 9.2 | |
| 14 | Y | | 9.2 -11.2 | 9.9 | | - 8.0 | End of line |
| ~~15~~ | ~~W~~ | | | | | | |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 286+00 (N)

F.B. 1288 PG. 82
Job No. 8472 Division No.
Survey of Beach Erosion
Survey by Meineck Notes GOH 11-6-46
Indexed A. C. Johnson Date
Notes Red. F.J.S. Date 12-19-46
Notes Chkd. Date
Plotted H.U.M.H. Date 1947
Checked Date
Profile No.
X-Sec. No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At. | Sight On | # | Color | Time | Hor. Ang | Remarks | |
| 288+00 (N) | "N-22" | 1 | R | 10 58 | 90 35 | Range Line ∡ = 90° F.S. on "N-22" | |
| | | 2 | Y | | 90 15 | Going Out. | |
| | | 3 | W | | 90 00 | | |
| | | 4 | Y | | 90 00 | | |
| | | 5 | W | | 90 05 | | |
| | | 6 | R | 11 07 | 89 40 | | |
| | | 7 | Y | | 89 55 | | |
| | | 8 | W | | 90 30 | | |
| | | 9 | Y | | 90 20 | | |
| | | 10 | W | | 90 25 | | |
| | | 11 | R | 11 28 | 89 55 | | |
| | | 12 | Y | | 90 00 | | |
| | | 13 | W | | 90 15 | | |
| | | 14 | Y | | 90 00 | | |
| | | 15 | W | | 89 50 | | |

Range 288+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Date 1947 Job No. 8412 Division No. ____ F.B. 1288 PG. 83

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of Beach Erosion Survey by Kleinert Notes Bulk Date 11-6-46

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 290+00 (N) | "N-22" | 1 | R | 6:57 | 90-00 | Range Line ∡ = 90° F.S. on "N-22" | |
| | | 2 | Y | | 90-10 | | |
| | | 3 | W | | 90-00 | | |
| | | 4 | Y | | 90-00 | | |
| | | 5 | W | | 89-50 | | |
| | | 6 | R | 7:12 | 89-50 | | |
| | | 7 | Y | | 90-10 | | |
| | | 8 | W | | 90-10 | | |
| | | 9 | Y | | 90-[illegible] | | |
| | | 10 | W | | 90-15 | | |
| | | 11 | R | 7:22 | 90-15 | | |
| | | 12 | Y | | 89-45 | | |
| | | 13 | W | | 90-05 | | |
| | | 14 | Y | | 90-10 | | |
| | | 15 | W | | 90-15 | | |
| | | 16 | R | 7:25 | 89-55 | | |
| | | 17 | Y | | 90-10 | | |
| | | 18 | W | | 90-20 | | |

Range 290+00 (N)

F.B. 1288 PG. 84

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Moneck Notes Chkd. Checked

Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor Ang | Remarks. |
|---|---|---|---|---|---|---|
| 1130' | 288+00 | 1 | R | 10:50 | 43-25 | Range 288+00 |
| W.(out) | on | 2 | Y | | 45-20 | |
| from | Base | 3 | W | | 49-20 | |
| Base. | Line | 4 | Y | | 52-30 | |
| Line, on | | 5 | W | | 57-10 | |
| Range | | 6 | R | 11:07 | 61-45 | |
| Line | | 7 | Y | | 72-10 | |
| 288+00 | | 8 | W | | 92-20 | |
| | | 9 | Y | | 112-05 | |
| | | 10 | W | | 122-30 | |
| | | 11 | R | 11:28 | 137-15 | |
| | | 12 | Y | | 145-15 | |
| | | 13 | W | | 149-50 | |
| | | 14 | Y | | 154-10 | |
| | | 15 | W | | 167-45 | (Note: Plots off sheet) |

Cut in 288+00 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 1947 Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey of Beach Erosion Survey by Kleinecke Notes Cwkd. Date 11-6-'46
Map No. ____ Date ____ Indexed J. Johnson Date ____

F.B. 1288 Pg. 85

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|---|
| Inst. At. | Sight On | # | Color | Time | Hor. Ang. | Remarks. |
| 284+00 -N | 282+00 | 1 | R | 6:5[illegible] | 10[illegible] | RANGE 290+00 (N) |
| | | 2 | Y | | 106 | |
| | | 3 | W | | 106-[illegible]5 | |
| | | 4 | Y | | 109-30 | |
| | | 5 | W | | 111-25 | |
| | | 6 | R | 7:13 | 113-[illegible]0 | |
| | | 7 | Y | | 116-10 | |
| | | 8 | W | | 118-[illegible]5 | |
| | | 9 | Y | | 121-35 | |
| | | 10 | W | | 123-40 | |
| | | 11 | R | 7:22 | 12[illegible]-30 | |
| | | 12 | Y | | 127-[illegible]5 | |
| | | 13 | W | | 129-[illegible]5 | |
| | | 14 | Y | | 130-[illegible]0 | |
| | | 15 | W | | 13[illegible]-40 | |
| | | 16 | R | 7:27 | 13[illegible]-[illegible]0 | |
| | | 17 | Y | | 13[illegible]-[illegible]0 | |
| | | 18 | W | | 13[illegible]-40 | END OF LINE. |

Cut in 290+00 (N)

F.B. 1288 PG. 86 Job No. 8412 Division No. Notes Red. Plotted H U M H Profile
Survey of BEACH EROSION Date Date 1947 No.
Survey by [illegible] Notes D.S. 11-7-46 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 10:57 | 8.-9. | 8.3 | 1.8 | - 6.5 | Range 288+00 (N) |
| 2 | Y | | 9.-12. | 10.0 | | - 8.2 | Going Out. |
| 3 | W | | 10.5-12.5 | 11.2 | | - 9.4 | |
| 4 | Y | | 11.3-13.5 | 12.0 | | - 10.2 | |
| 5 | W | | 14-15. | 14.3 | | - 12.5 | |
| 6 | R | 11:08 | 15.2-16.2 | 15.5 | 1.7 | - 13.8 | |
| 7 | Y | | 16.8-18.1 | 17.2 | | - 15.5 | |
| 8 | W | | 18.2-19.8 | 18.7 | 1.6 | - 17.1 | |
| 9 | Y | | 19.5-20.7 | 19.9 | 1.5 | - 18.4 | |
| 10 | W | | 21.-22.2 | 21.4 | | - 19.9 | |
| 11 | R | 11:28 | 22.-23.7 | 22.6 | 1.4 | - 21.2 | |
| 12 | Y | | 23-24.3 | 23.4 | | - 22.0 | |
| 13 | W | | 24.-25. | 24.3 | | - 22.9 | |
| 14 | Y | | 25.2-26.2 | 25.5 | | - 24.1 | |
| 15 | W | | 26.6-27.8 | 27.0 | | - 25.6 | End of line |

Boat 288+00 (N)

Profile Notes Red F.J.S. Plotted H.U.M.H. Job No. 8417 Division No. F.B. 1288 Pg. 87
No. Date 12-19-46 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Kleinecke Notes G.P.H. Date 11-6-'46
No. Date Date Map No. Indexed S. Johnson Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | Meas. Depth | F. S. Botom | Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 6:59 | 30.2 32. | 30.8 | 6.1 | - 24.7 | Range 290+00 (N) |
| 2 | Y | | 29.2 - 30.2 | 29.5 | | - 23.4 | Going In. |
| 3 | W | | 28. - 30.2 | 28.7 | | - 22.6 | |
| 4 | Y | | 26.4 - 27.9 | 26.9 | | - 20.8 | |
| 5 | W | | 25.1 - 27 | 25.7 | | - 19.6 | |
| 6 | R | 7:13 | 24 - 25.6 | 24.5 | 6.1 | - 18.4 | |
| 7 | Y | | 22.9 - 25 | 23.6 | | - 17.5 | |
| 8 | W | | 21.9 - 24.1 | 22.6 | | - 16.5 | |
| 9 | Y | | 20.5 - 21.7 | 20.9 | | - 14.8 | |
| 10 | W | | 19.4 - 21. | 19.9 | | - 13.8 | |
| 11 | R | 7:23 | 18 - 20. | 18.7 | 6.1 | - 12.6 | |
| 12 | Y | | 16.8 - 18.8 | 17.5 | | - 11.4 | |
| 13 | W | | 15.8 - 17.6 | 16.4 | | - 10.3 | |
| 14 | Y | | 14.7 - 17. | 15.5 | | - 9.4 | |
| 15 | W | | 13.5 - 14.5 | 13.8 | | - 7.7 | |
| 16 | R | 7:26 | 12.5 - 15. | 13.3 | 6.1 | - 7.2 | Boat. 290+00 (N) |
| 17 | Y | | 10.9 - 13.6 | 11.8 | | - 5.7 | |
| 18 | W | | 9.3 - 11.3. | 10.0 | | - 3.9 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

F.B. 1288 PG. 88

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

Survey of Beach Erosion Date 12-19-46 Date 1947. No. ____ X-Sec.

Survey by Kleineck Notes G.O.H. 11/7/46 Notes Chkd. ____ Checked ____

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

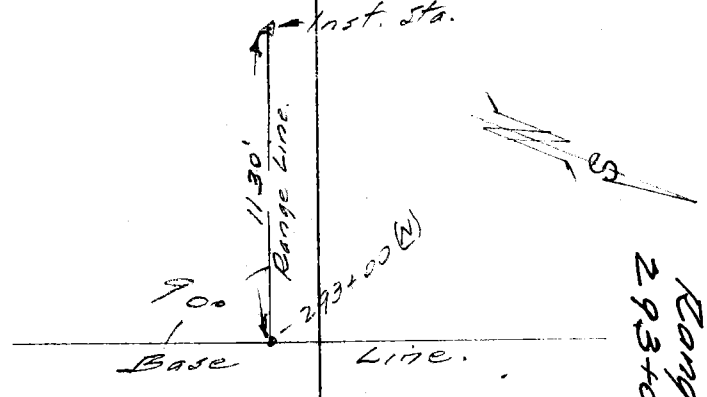
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At. | Sight On | # | Color | Time | Hor Ang | Remarks | |
| 1130' W. (out) on Venice Pier on Range Line 293+00 | 293+00 (N) on Base Line | 1 | R | 7:42 | 0000 | Range Line 293+00 (N) ∡ = 180° off 193+00 on base line | |
| | | 2 | Y | | 0000 | | |
| | | 3 | W | | 0000 | | |
| | | 4 | Y | | 0000 | These shots in recess of Venice Pier on south side along range line toward shore from inst. | |
| | | 5 | W | | 0000 | | |
| | | 6 | R | 7:47 | 0000 | | |
| | | 7 | Y | | 0000 | → Break taken out by section of pier. | |
| | | 8 | W | | 18000 | → About 80'± off W'ly end of pier | |
| | | 9 | Y | | 18000 | | |
| | | 10 | W | | 180-35 | | |
| | | 11 | R | 7:59 | 179-10 | | |
| | | 12 | Y | | 180-40 | | |
| | | 13 | W | | 181-10 | | |
| | | 14 | Y | | 180-40 | | |
| | | 15 | W | | 180-30 | | |
| | | 16 | R | 8:09 | 180-15 | | |
| | | 17 | Y | | 179-50 | | |
| | | 18 | W | | 179-45 | | |




Range 293+00 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 89
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Klemeck Notes Cuwl Date 11-7-46
No. ____ Date ____ Date ____ Map No. ____ Checked Johnson Date ____

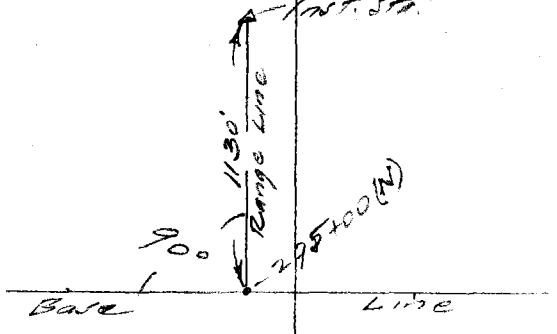
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 1130' W. (Out) on Wly end of Venice Pier, on Range Line 295+00 (N) | 295+00 (N) on Base Line | 1 | R | 823 | 179[illegible]5 | Range Line ∠ = 180° | F.S. on 295+00 (N) on Base Line |
| | | 2 | Y | | 18[illegible]0 | | |
| | | 3 | W | | 18[illegible]5 | | |
| | | 4 | Y | | 180[illegible]0 | | |
| | | 5 | W | | 180[illegible]0 | | |
| | | 6 | R | 837 | 180[illegible]0 | | |
| | | 7 | Y | | 179[illegible]0 | | |
| | | 8 | W | | 180[illegible]0 | | |
| | | 9 | Y | | 180[illegible]5 | | |
| | | 10 | W | | 18[illegible]0 | | |
| | | 11 | R | 902 | 180[illegible]0 | | |
| | | 12 | Y | | 179[illegible]0 | | |
| | | 13 | W | | 179[illegible]0 | This shot 80' ± off end of Pier | |




Range 295+00 (N)

F.B. 1288 Pg. 90
Job No. 8412 Division No. Notes Red Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1947 No.
Survey by Meineck Notes GWK 11-7-46 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

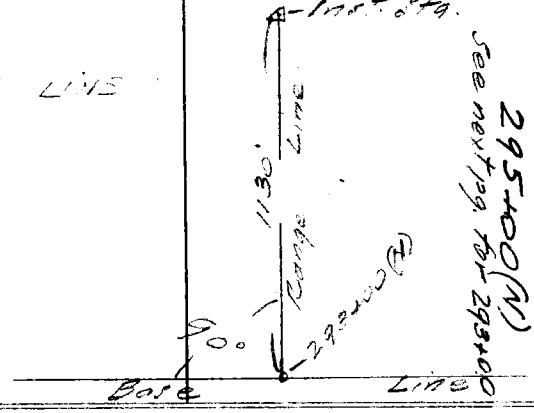
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 284+00 -N | 282+00 -N | 1 | R | 8:24 | 114-55 | RANGE 295+00 (N) |
| | | 2 | Y | | 117-15 | |
| | | 3 | W | | 118-20 | |
| | | 4 | Y | | 119-45 | |
| | | 5 | W | | 120-50 | |
| | | 6 | R | 8:37 | 123-05 | |
| | | 7 | Y | | 124-40 | |
| | | 8 | W | | 126-05 | |
| | | 9 | Y | | 129-40 | |
| 1130' W. (out) on Range Line 293+00 (N) | 293+00 (N) on Base Line | [illegible] | [illegible] | | 227-10 | Range 295+00 (Cont'd) |
| | | [illegible] | R | 9:03 | 235-30 | |
| | | [illegible] | Y | | 237-45 | |
| | | [illegible] | W | | 239-[illegible] | END OF LINE |




Cut in 295+00 (N)
See next pg. for 293+00

Profile
No. ____ Date ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Notes Chkd. ____ Date 1947. Survey of BEACH EROSION
No. ____ Date ____ Checked ____ Survey by KLEINECK Notes D.S. Date 11-7-46
Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 91

F.B. 1288 PG. 92

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

Survey of Beach Erosion Date _____ Date 1947. No. _____

Survey by Kleinecke Notes D.S. 11-7-46 Notes Chkd. _____ Checked _____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | |
|---|---|---|---|---|---|
| Inst. Sight At On | # | Color | Time | Hor. Ang. | Remarks. |
| 293+00 (N) | 1 | [illegible] | 7:48 | 14-40 | Range 293+00 (N) |
| | 2 | Y | | 14-40 | |
| | 3 | W | | 13-10 | |
| | 4 | Y | | 13-00 | |
| | 5 | W | | 13-35 | |
| | 6 | R | 7:49 | 13-20 | |
| | 7 | Y | | 13-00 | |
| | 8 | W | | 126-35 | |
| | 9 | Y | | 126-40 | |
| | 10 | R | | 124-35 | |
| | 11 | R | 7:59 | 123-35 | |
| | 12 | Y | | 120-50 | |
| | 13 | W | | 119-10 | |
| | 14 | R | | 117-10 | |
| | 15 | R | | 116-10 | |
| | 16 | R | 8:10 | 114-15 | |
| | 17 | Y | | 112-15 | |
| | 18 | W | | 111-15 | |
| | 19 | | | | End of Line. |

Cut in
293+00 (N)

See preceding pg. for 295+00

FORM 307 2M 6-48

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

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 7:42 | 6.6 - 9.0 | 7.4 | 6.1 | 1.3 | Range 293+00 (N) |
| 2 | Y | | 7.8 - 9.0 | 8.2 | | 2.1 | Going Out |
| 3 | W | | 9.0 - 11.2 | 9.7 | | 3.6 | |
| 4 | Y | | 10.2 - 11.5 | 10.5 | | 4.5 | |
| 5 | W | | 11.3 - 12.7 | 11.8 | | 5.7 | |
| 6 | R | 7:47 | 12.9 - 13.9 | 13.2 | 6.0 | 7.2 | |
| 7 | Y | | 14.9 - 16.8 | 15.5 | | 9.5 | |
| 8 | W | | 19.0 - 20.7 | 19.6 | | 13.6 | |
| 9 | Y | | 20.0 - 21.2 | 20.4 | | 14.4 | |
| 10 | W | | 21.7 - 23.7 | 22.4 | | 16.4 | |
| 11 | R | 8:00 | 22.6 - 23.6 | 22.9 | 5.9 | 17.0 | |
| 12 | Y | | 23.9 - 26.0 | 24.6 | | 18.7 | |
| 13 | W | | 25.0 - 27.6 | 25.9 | | 20.0 | |
| 14 | Y | | 26.1 - 27.1 | 26.4 | | 20.5 | |
| 15 | W | | 27.0 - 28.2 | 27.4 | | 21.5 | |
| 16 | R | 8:10 | 28.4 - 29.1 | 28.6 | 5.8 | 22.8 | |
| 17 | Y | | 29.3 - 30.5 | 29.7 | | 23.9 | |
| 18 | W | | 30.1 - 31.8 | 30.7 | | 24.9 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 293+00 (N)

Profile Notes Red. [illegible] Plotted H.U.M.M. Job No. ____ Division No. ____
No. ____ Date 1-14-47 Date 1-[illegible]-47 Survey of Beach Erosion
X:Sec. Notes Chkd. [illegible] Checked [illegible] Survey by Klenzo Notes G.O.H. Date 11/7/46
No. ____ Date 5-[illegible]-47 Date ____ Map No. ____ Traced J. Johnson Date ____

F.B. 1288 PG. 73

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 8:25 | 30.3 - 31.4 | 30.7 | 5.7 | 25.0 | Range 295+00 (N) |
| 2 | Y | | 29.0 - 30.1 | 29.4 | | 23.7 | Going In. |
| 3 | W | | 28.0 - 28.9 | 28.3 | | 22.6 | |
| 4 | Y | | 27.0 - 28.6 | 27.5 | | 21.8 | |
| 5 | W | | 25.4 - 27.7 | 26.2 | | 20.5 | |
| 6 | R | 8:37 | 24.5 - 26.7 | 25.2 | 5.5 | 19.7 | |
| 7 | Y | | 23.4 - 25.8 | 24.2 | | 18.7 | |
| 8 | W | | 22.1 - 24.4 | 22.9 | | 17.4 | |
| 9 | Y | | 20.9 - 22.8 | 21.5 | | 16.0 | |
| 10 | W | | 19.4 - 20.8 | 19.9 | | 14.4 | |
| 11 | R | 9:02 | 18.2 - 20.0 | 18.8 | 5.3 | 13.5 | |
| 12 | Y | | 17.0 - 18.8 | 17.6 | | 12.3 | |
| 13 | W | | 16.2 - 18.2 | 16.9 | | 11.6 | End of line |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat. 295+00 (N)

F.B. 1288 PG. 94
Survey of Beach Erosion
Survey by Kleineck
Indexed L. C. Johnson
Job No.
Division No.
Notes Red. [illegible] Date 1-14-47
Notes Chkd. [illegible] Date 5-1-47
Plotted H.U.M.H. Date 1947
Checked
Date
Profile No.
X-Sec. No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

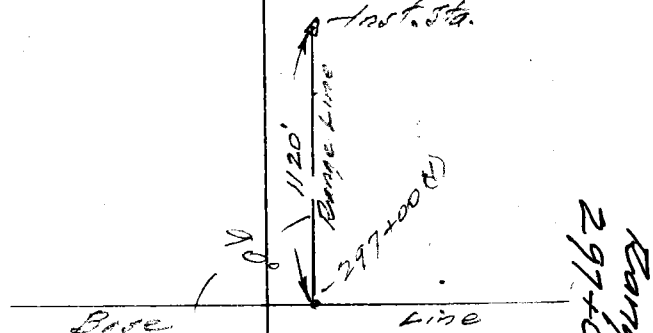
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

**Do not extend notes this side of this line.**

Profile No.____ X-Sec. No.____ Notes Red____ Date____ Notes Chkd____ Date____ Plotted H.U.M.H. Date 11-7-46 Checked [illegible] Date____ Job No. 8412 Division No.____ Survey of Venice Pier (Ext.) Survey by Hughes & Notes [illegible] Date 11-7-46 Map No.____ Indexed S. Johnson Date____

F.B. 1886 PG. 95

| STATION | B. S. | H. I. | F. S. | ELEV. | Remarks |
|---|---|---|---|---|---|
| Sta. | Sta. | # | Color | Tide | Height | |
| At. | On | | | | |
| 1120' | 297 | 1 | R | 12.1 | 00 00 | Range Line ∠ = 180° F.S. on 297+00 on Base Line (1) |
| W'ly side | +00 (N) | 2 | Y | | 00 00 | |
| on | | 3 | W | | 0000 | |
| Range | on | 4 | Y | | 0000 | These shots taken in recess of Venice Pier outline on W'ly side along range line toward the shore front inst. |
| Line | Base | 5 | W | | 0000 | |
| 297+00 | Line | 6 | R | 9.31 | 00 00 | |
| on | | | | | | ← Break. Part of line later out by section of pier |
| W'ly side | | 7 | Y | | 18150 | |
| Venice | | 8 | W | | 18045 | → This shot 100'± off W'ly edge of pier |
| Pier | | 9 | Y | | 18015 | |
| | | 10 | W | | 17925 | |
| | | 11 | R | 8.27 | 18027 | |
| | | 12 | Y | | 17940 | |
| | | 13 | W | | 17930 | |
| | | 14 | Y | | 18020 | |
| | | 15 | W | | 18035 | |
| | | 16 | R | 9.56 | 18030 | |
| | | 17 | Y | | 18020 | |
| | | 18 | W | | 18015 | End. |




Range 297+00 (N)

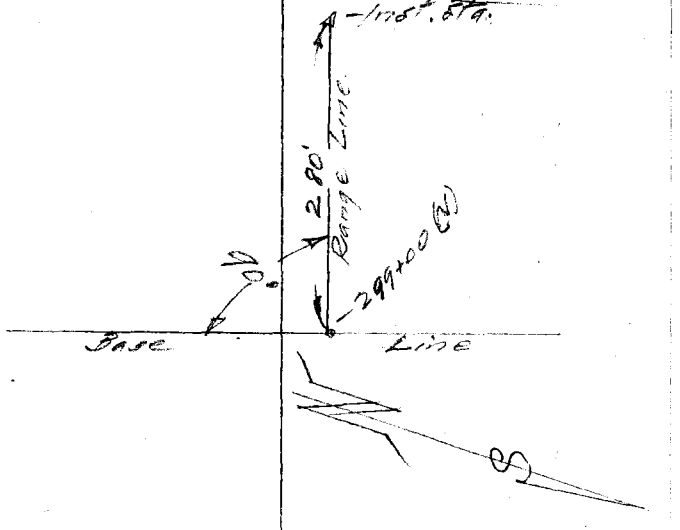
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks |
| 280' W. (Out) on Range Line 299+00 (N) | 299+00 (N) on Base Line | 1 | R | 10:24 | 180-15 | Range Line production ∡ = 180° |
| | | 2 | Y | | 180-10 | F.S. on 299+00 (N) on base line |
| | | 3 | W | | 180-[illegible] | |
| | | 4 | Y | | 180-[illegible] | |
| | | 5 | W | | 180-[illegible] | |
| | | 6 | R | 10:34 | 180-[illegible] | |
| | | 7 | Y | | 180-10 | |
| | | 8 | W | | 180-25 | |
| | | 9 | Y | | 180-[illegible] | |
| | | 10 | W | | 180-[illegible] | |
| | | 11 | R | 10:4[illegible] | 179-55 | |
| | | 12 | Y | | 180-[illegible] | |
| | | 13 | W | | 180-[illegible] | |
| | | 14 | Y | | 180-[illegible] | |
| | | 15 | W | | 180-[illegible] | |
| | | 16 | R | 10:[illegible] | 180-10 | |
| | | 17 | Y | | 180-35 | |




Range 299+00 (N)

F.B. 1288 PG. 96
Job No. 8412 Division No. Notes Red. Plotted 1 U.M.H. Profile
Survey of Beach Erosion Date Date 1947 No. X-Sec.
Survey by Kleineck Notes Chkd. Checked
Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst AT | STATION Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks. |
|---|---|---|---|---|---|---|
| 311+00 -N | 309+00 -N | 1 | R | 9:25 | 26-50 | RANGE 297+00 (N) |
| | | 2 | Y | | 28-05 | |
| | | 3 | W | | 29-40 | |
| | | 4 | Y | | 33-30 | |
| | | 5 | W | | 36-00 | |
| | | 6 | R | 9:32 | 37-20 | |
| | | 7 | Y | | 42-05 | |
| | | 8 | W | | 42-40 | |
| | | 9 | Y | | 43-45 | |
| | | 10 | W | | 44-10 | |
| | | 11 | R | 9:45 | 46-20 | |
| | | 12 | Y | | 48-30 | |
| | | 13 | W | | 47-50 | |
| | | 14 | Y | | 52-30 | |
| | | 15 | W | | 54-10 | |
| | | 16 | R | 9:57 | 56-20 | |
| | | 17 | Y | | 58-05 | |
| | | 18 | W | | 59-50 | END OF LINE. |

Cut in 297+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8417 Division No. ____ F.B. 1288 PG. 97

X-Sec. No. ____ Date ____ Date 1947 Survey of Beach Erosion

Notes Chkd. ____ Checked ____ Survey by Weiner Notes D.S. Date 11-7-46

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

F.B. 1288 PG. 98

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

Survey of BEACH EROSION Date ______ Date 1947.

Survey by KLEINECK Notes D.S. 11-7-46 Notes Chkd. ______ Checked ______ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| [illegible] | # | | | | Remarks. |
| Ht. Ch. | | [illegible] | Time | [illegible] | |
| 311+00 -N 309+00 -N | [illegible] | R | 10:25 | 62.25 | RANGE 299+00 (N) |
| | [illegible] | Y | | 61.10 | |
| | [illegible] | W | | 59.[illegible] | |
| | [illegible] | Y | | 58.[illegible] | |
| | 5 | [illegible] | | 55.[illegible] | |
| | 6 | F | 10:36 | 53.[illegible] | |
| | 7 | [illegible] | | [illegible] | |
| | [illegible] | | | 47.40 | |
| | [illegible] | [illegible] | | 4[illegible] | |
| | [illegible] | [illegible] | | 42.[illegible] | |
| | [illegible] | R | 10:45 | 40.[illegible] | |
| | [illegible] | [illegible] | | 34.[illegible] | |
| | [illegible] | [illegible] | | 3[illegible] | |
| | [illegible] | [illegible] | | 3[illegible] | |
| | [illegible] | [illegible] | | [illegible] | |
| | [illegible] | | 10:50 | 31.[illegible] | |
| | [illegible] | [illegible] | | [illegible] | END OF LINE. |

Cut in 299+00 (N)

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 9:26 | 6.3-7.8 | 6.8 | 4.8 | 2.0 | Range 297+00 (N) |
| 2 | Y | | 7.1-8.8 | 7.7 | | 2.9 | Going Out. |
| 3 | W | | 8.0-9.2 | 8.4 | 4.7 | 3.7 | |
| 4 | Y | | 9.1-10.3 | 9.5 | | 4.8 | |
| 5 | W | | 10.5-11.7 | 10.9 | | 6.2 | |
| 6 | R | 9:32 | 10.5-11.8 | 10.9 | 4.6 | 6.3 | |
| 7 | Y | | 16.5-20.0 | 17.7 | | 13.1 | |
| 8 | W | | 17.5-19.0 | 18.0 | | 13.4 | |
| 9 | Y | | 18.8-20.6 | 19.4 | 4.5 | 14.9 | |
| 10 | W | | 20.3-21.0 | 20.5 | | 16.0 | |
| 11 | R | 9:45 | 21.2-22.5 | 21.6 | 4.4 | 17.2 | |
| 12 | Y | | 22.5-24.0 | 23.0 | 4.3 | 18.7 | |
| 13 | W | | 23.5-24.8 | 23.9 | 4.2 | 19.7 | |
| 14 | Y | | 24.7-26.0 | 25.1 | 4.1 | 21.0 | |
| 15 | W | | 25.5-26.9 | 26.0 | | 21.9 | |
| 16 | R | 9:57 | 26.5-28.6 | 27.2 | 4.0 | 23.2 | |
| 17 | Y | | 27.4-28.4 | 27.7 | | 23.7 | |
| 18 | W | | 28.5-29.9 | 29.0 | | 25.0 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 297+00 (N)

Profile No. ____ Notes Red. RK Date 1-14-47 Plotted H. U. M. H. Date 1947 Job No. ____ Division No. ____ Survey of Beach Erosion Survey by Kleinack Notes G.O.H. Date 11/7/46 Map No. ____ Indexed Johnson Date ____

X:Sec. No. ____ Notes Chkd. Lewis Date 5-9-47 Checked ____ Date ____

F.B. 1288 PG. 99

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 10:25 | 28.-29.8 | 28.6 | 3.2 | 25.4 | Range 299+00 (N) |
| 2 | Y | | 27-29.8 | 27.9 | | 24.7 | Going In. |
| 3 | W | | 25.5-26.7 | 25.9 | | 22.7 | |
| 4 | Y | | 24.2-26. | 24.8 | 2.1 | 21.7 | |
| 5 | W | | 23.-26 | 24.0 | | 20.9 | |
| 6 | R | 10:35 | 22-24. | 22.7 | 3.2 | 19.7 | |
| 7 | Y | | 21.-23 | 21.7 | | 18.7 | |
| 8 | W | | 20.-23. | 21.0 | | 18.0 | |
| 9 | Y | | 19.-21.4 | 19.8 | 2.9 | 16.9 | |
| 10 | W | | 17.3-20. | 18.2 | | 15.3 | |
| 11 | R | 10:45 | 16.1-17.6 | 16.6 | 2.8 | 13.8 | |
| 12 | Y | | 14.8-15.8 | 15.1 | | 12.3 | |
| 13 | W | | 13.8-15.8 | 14.5 | | 11.7 | |
| 14 | Y | | 12.2-13.6 | 12.7 | | 9.9 | Boot 299+00 (N) |
| 15 | W | | 10.9-13. | 11.6 | | 8.8 | |
| 16 | R | 10:49 | 9.-10.6 | 9.5 | 2.7 | 6.8 | |
| 17 | Y | | 7.9-9. | 8.3 | | 5.6 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

F.B. 1288 PG. 100
Job No. 8412 Division No.
Survey of Beach Erosion
Survey by Kleineck Notes G.O.H. 11-2-46
Indexed A. C. Johnson Date
Notes Red. [illegible] Date 1-14-47
Notes Chkd. Date
Plotted H. U. M. H. Date 1947
Checked Date
Profile No.
X-Sec. No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | # | Color | Time | Hor. Ang. | Remarks | |
| 301+00 (N) | 299+00 (N) | 1 | R | 11 03 | 90-00 | Range Line ∡ = 90° | F.J. on 299+00 (N) |
| | | 2 | Y | | 90-00 | | |
| | | 3 | W | | 90-00 | | |
| | | 4 | Y | | 89-40 | | |
| | | 5 | W | | 89-55 | | |
| | | 6 | R | 11 14 | 90 05 | | |
| | | 7 | Y | | 89 55 | | |
| | | 8 | W | | 90 10 | | |
| | | 9 | Y | | 90 15 | | |
| | | 10 | W | | 90 15 | | |
| | | 11 | R | 11 28 | 89 55 | | |
| | | 12 | Y | | 89 55 | | |
| | | 13 | W | | 90 00 | | |
| | | 14 | Y | | 90 00 | | |
| | | 15 | W | | 90 00 | | |
| | | 16 | R | 11 50 | 90 00 | | |
| | | 17 | Y | | 90 15 | | |
| | | 18 | W | | 90 00 | End | |

Range 301+00 (N)

Profile No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Date 1947 Job No. 84120 Division No. ____ F.B. 1288 Pg. 101

X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Beach Erosion Survey by Meinert Notes Stulk Date 11-7-46

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. Sight At | On | # | Color | Time | Hor. Ang. | Remarks. | |
| 303+00 (N) | 299+00 (N) | 1 | R | 9:40 | 90-25 | Range ∡ = 90° | F.S. on 299+00 (N) |
| | | 2 | Y | | 90-15 | | |
| | | 3 | W | | 90-15 | | |
| | | 4 | Y | | 90-15 | | |
| | | 5 | W | | 90-10 | | |
| | | 6 | R | 9:52 | 90-15 | | |
| | | 7 | Y | | 90+35 | | |
| | | 8 | W | | 90-25 | | |
| | | 9 | Y | | 90-10 | | |
| | | 10 | W | | 90-15 | | |
| | | 11 | R | 10:05 | 90-15 | | |
| | | 12 | Y | | 90-15 | | |
| | | 13 | W | | 90-30 | | |
| | | 14 | Y | | 90-00 | | |
| | | 15 | W | | 90-00 | End. | |

Range 303+00 (N.)

F.B. 1288 PG. 102

Job No. 844 Division No. Notes Red. Plotted H.U.M.H. No. Profile

Survey of Beach Erosion Date 1947 No. X-Sec.

Survey by Hermack Notes De Tilla - 11-15-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At. | STATION Sight On. | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang | Remarks |
|---|---|---|---|---|---|---|
| 311+00 -N | 309+[illegible] -N | [illegible] | [illegible] | 11:05 | 31-[illegible] | [illegible] 301+[illegible] (N) |
| | | [illegible] | [illegible] | | 33-[illegible] | |
| | | [illegible] | [illegible] | | [illegible] | |
| | | [illegible] | [illegible] | | 36-25 | |
| | | [illegible] | [illegible] | | 38-[illegible] | |
| | | [illegible] | R | 11:15 | 41-00 | |
| | | [illegible] | [illegible] | | 4[illegible]-[illegible] | |
| | | [illegible] | [illegible] | | 45-[illegible] | |
| | | [illegible] | [illegible] | | 49-[illegible] | |
| | | 10 | W | | 51-[illegible] | |
| | | [illegible] | [illegible] | 11:29 | 54-30 | |
| | | [illegible] | [illegible] | | 55-20 | |
| | | [illegible] | W | | 57-[illegible] | |
| | | [illegible] | [illegible] | | 61-15 | |
| | | [illegible] | W | | 63-55 | |
| | | [illegible] | [illegible] | 11:5[illegible] | 64-[illegible] | |
| | | [illegible] | Y | | 66-3[illegible] | |
| | | [illegible] | W | | 67-35 | END OF LINE. |

Cut in 301+00 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. [illegible] Division No. ____ F.B. 1288 PG. 103

No. ____ Date ____ Date 1947. Survey of BENCH ERASED

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes D.S. Date 11-7-46

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

F.B. 1288 PG. 104

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

Survey of Beach Erosion Date _____ Date 1947 No. _____

Survey by Kleineck Notes D. S. 11-15-46 Notes Chkd. _____ Checked _____ X-Sec.

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

Cut in 303+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B. S. | H. I. | F. S. | ELEV. |
|---|---|---|---|---|
| 311+00 -N | 1 | Calc | Time | Hr. Ht. |
| 303+00 -N | 2 | R | 9:31 | 7[illegible] |
| | 3 | R | | 67.10 |
| | 4 | R | | 67.35 |
| | 5 | R | | 65.[illegible] |
| | 6 | R | | [illegible] |
| | 7 | R | 9:52 | 60.[illegible] |
| | 8 | R | | 5[illegible] |
| | 9 | R | | 5[illegible] |
| | 10 | R | | 5[illegible] |
| | 11 | R | | 4[illegible] |
| | 12 | R | 10:00 | 4[illegible] |
| | 13 | R | | 42.5 |
| | 14 | R | | 41.35 |
| | 15 | R | | 37.50 |
| | | | | 36.30 |

Counter

RANGE 303+00 (N)

END OF LINE.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 11:06 | 8.5 - 10.5 | 9.2 | 2.3 | 6.9 | Range 301+00 (N) |
| 2 | Y | | 9.4 - 11.8 | 10.2 | | 7.9 | Going Out. |
| 3 | W | | 10.7 - 13.5 | 11.6 | 2.2 | 9.4 | |
| 4 | Y | | 11.9 - 13.8 | 12.5 | | 10.3 | |
| 5 | W | | 13.0 - 14.7 | 13.6 | | 11.4 | |
| 6 | R | 11:15 | 14.0 - 17.0 | 15.0 | 2.1 | 12.9 | |
| 7 | Y | | 15.0 - 17.0 | 15.7 | | 13.6 | |
| 8 | W | | 16.0 - 17.8 | 16.6 | 2.0 | 14.6 | |
| 9 | Y | | 17.2 - 18.8 | 17.7 | | 15.7 | |
| 10 | W | | 18.0 - 19.3 | 18.4 | 1.9 | 16.5 | |
| 11 | R | 11:30 | 19.1 - 20.8 | 19.7 | 1.8 | 17.9 | |
| 12 | Y | | 20.0 - 21.5 | 20.5 | | 18.7 | |
| 13 | W | | 21.2 - 22.5 | 21.6 | 1.7 | 19.9 | |
| 14 | Y | | 22.2 - 23.2 | 22.5 | | 20.8 | |
| 15 | W | | 22.7 - 25.4 | 23.6 | 1.6 | 22.0 | |
| 16 | R | 11:50 | 24.8 - 26.8 | 25.5 | 1.5 | 24.0 | |
| 17 | Y | | 25.9 - 27.3 | 26.4 | | 24.9 | |
| 18 | W | | 27.5 - 29.2 | 28.1 | | 26.6 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 301+00 (N)

Profile
No. ____ Notes Red RH Plotted H.U.M.H. Job No. 84N Division No. ____
Date 1-14-47 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Meinecke Notes GOH Date 11-7-46
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1288 PG. 105

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H.L. Meas. Depth | F. S. Botom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 9:40 | 27.5-29.1 | 28.0 | 3.5 | ~~25.5~~ 24.5 | Range 303+00 (N) |
| 2 | Y | | 26.5-28.2 | 27.1 | | 23.6 | Going In |
| 3 | W | | 25.0-27.3 | 25.8 | | 22.3 | |
| 4 | Y | | 23.8-25.5 | 24.4 | | 20.9 | |
| 5 | W | | 22.6-24.5 | 23.2 | | 19.7 | |
| 6 | R | 9:53 | 21.6-24.8 | 22.7 | 3.5 | 19.2 | |
| 7 | Y | | 19.9-23.1 | 21.0 | | 17.5 | |
| 8 | W | | 18.8-21.1 | 19.6 | | 16.1 | |
| 9 | Y | | 17.7-19.8 | 18.4 | | 14.9 | |
| 10 | W | | 16.2-18.0 | 16.8 | | 13.3 | |
| 11 | R | 10:01 | 15.1-18.0 | 16.1 | 3.5 | 12.6 | |
| 12 | Y | | 14.0-16.3 | 14.8 | | 11.3 | |
| 13 | W | | 11.0-15.5 | 12.5 | | 9.0 | |
| 14 | Y | | 11.0-13.0 | 11.7 | | 8.2 | |
| 15 | W | | 9.0-11.5 | 9.8 | | 6.3 | End of line |
| 16 | R | | | | | | |
| 17 | Y | | | | | | |
| 18 | W | | | | | | |
| 19 | Y | | | | | | |
| 20 | W | | | | | | |

Boat 303+00 (N)

F.B. 1288 PG. 106

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

Survey of French Erosion Date 1-14-47 Date 1947 No. X-Sec.

Survey by Meinert Notes Got 11-15-46 Notes Chkd. Checked No.

Indexed C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | # | Color | Time | Hor. Ang | Remarks | |
| 305+00 (N) | 299+00 (N) | 1 | R | 10 30 | 90-00 | Range ∡ = 90° F.S. on 299+00 (N) | |
| | | 2 | Y | | 90-00 | | |
| | | 3 | W | | 90-00 | | |
| | | 4 | Y | | 90-00 | | |
| | | 5 | W | | 90-00 | | |
| | | 6 | R | 10:33 | 90-00 | | |
| | | 7 | Y | | 90-10 | | |
| | | 8 | W | | 90-15 | | |
| | | 9 | Y | | 89-55 | | |
| | | 10 | W | | 90-00 | | |
| | | 11 | R | 10:42 | 90-00 | | |
| | | 12 | Y | | 89-30 | | |
| | | 13 | W | | 90-55 | | |
| | | 14 | Y | | 89-55 | | |
| | | 15 | W | | 89-55 | | |
| | | 16 | R | 10:54 | 90-00 | | |
| | | 17 | Y | | 90-00 | End | |

Range 305+00 (N)

Profile Notes Red. Plotted H. U. M. H. Job No. 8412 Division No. F.B. 1288 PG. 107
No. Date Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Kleinert Notes CWW Date 11-15-46
No. Date Date Map No. Indexed Johnson Date

F.B. 1288 PG. 108

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

Survey of Beach Erosion Date ____ Date 1947 X-Sec.

Survey by Kleineck Notes Cu.W. -11-15-'46 Notes Chkd. ____ Checked ____

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

FORM 307 5M 1-46

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

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

Do not extend notes this side of this line.

Range
307+00 (N)

| STATION | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|
| [illegible] | # | Color | Time | Ht. Adj. | Out | Remarks. |
| 307+00 (N) 299+00 (N) | ~~1~~ | ~~R~~ | ~~11 05~~ | ~~90.90~~ | Range ∢ = 90° | F.S. on 299+00 (N) |
| | 2 | Y | | 90.35 | | |
| | 3 | W | | 90.05 | | |
| | 4 | Y | | 90.[illegible] | | |
| | 5 | W | | 90.[illegible] | | |
| | 6 | R | 11:18 | [illegible] | | |
| | 7 | Y | | 90.30 | | |
| | 8 | W | | 90.15 | | |
| | 9 | Y | | 90.[illegible] | | |
| | 10 | W | | [illegible] | | |
| | 11 | R | 11 25 | 90.[illegible] | | |
| | 12 | Y | | 90.[illegible] | | |
| | 13 | W | | 90.[illegible] | | |
| | 14 | Y | | 90.[illegible] | | |
| | 15 | W | | 90.35 | End. | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At. | STATION Sight On. | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang | Remarks |
|---|---|---|---|---|---|---|
| 310+90 -N | 305+00 -N | 1 | R | 10:30 | 42-30 | RANGE 305+00 (N) |
| | | 2 | Y | | 44-15 | |
| | | [illegible] | W | | 46-05 | |
| | | [illegible] | Y | | 46-45 | |
| | | 5 | W | | 49-25 | |
| | | [illegible] | R | 10:34 | 51-00 | |
| | | 7 | Y | | 53-15 | |
| | | [illegible] | W | | 58-20 | |
| | | [illegible] | Y | | 59-30 | |
| | | [illegible] | W | | 62-20 | |
| | | [illegible] | R | 10:43 | 65-50 | |
| | | 12 | W | | 67-40 | |
| | | 13 | W | | 69-35 | |
| | | [illegible] | Y | | 70-55 | |
| | | [illegible] | W | | 72-50 | |
| | | [illegible] | R | 10:53 | 74-50 | |
| | | [illegible] | Y | | 76-00 | END OF LINE. |

Cut in 305+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 PG. 109
Date ____ Date 1947 Survey of BERCH EROSION
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by ALEWECK Notes D.S. Date 11-15-46
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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. | |
| 301+00 -N | 299+00 -N | 1 | R | 11: | 0 at | [illegible] 307+00 (N) | |
| | | 2 | Y | | 106-40 | | |
| | | 3 | W | | 108-[illegible] | | |
| | | 4 | Y | | 109-[illegible] | | |
| | | 5 | W | | 112-[illegible] | | |
| | | 6 | Y | 11:18 | 114-20 | | |
| | | 7 | Y | | 117-50 | | |
| | | 8 | W | | 123-[illegible] | | |
| | | 9 | Y | | 126-[illegible] | | |
| | | 10 | W | | 130-[illegible] | | |
| | | 11 | R | 11:25 | 132-40 | | |
| | | 12 | Y | | 134-[illegible] | | |
| | | 13 | W | | 136-[illegible] | | |
| | | 14 | Y | | 136-[illegible] | | |
| | | 15 | W | | 139-[illegible] | END OF LINE | |

Cut in 307+00 (N)

F.B. 1288 PG. 110

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

Survey of Sewer Erosion Date 1947 No.

Survey by Kleinecke Notes D.S. 11-15-46 Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date No.

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | | |
|---|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | | Remarks |
| 1 | R | 10 30 | 9.0 - 11.0 | 9.7 | 3.7 | 6.0 | Range | 305+00 (N) |
| 2 | Y | | 10.0 - 12.0 | 10.7 | | 7.0 | Going | Out. |
| 3 | W | | 11.3 - 13.0 | 11.9 | | 8.2 | | |
| 4 | Y | | 12.2 - 14.2 | 12.9 | | 9.2 | | |
| 5 | W | | 13.7 - 16.5 | 14.6 | | 10.9 | | |
| 6 | R | 10:32 | 14.6 - 16.6 | 15.3 | 3.7 | 11.6 | | |
| 7 | Y | | 16.1 - 18.1 | 16.8 | | 13.1 | | |
| 8 | W | | 17.3 - 19.2 | 17.9 | | 14.2 | | |
| 9 | Y | | 18.2 - 19.7 | 18.7 | | 15.0 | | |
| 10 | W | | 19.5 - 21.7 | 20.2 | | 16.5 | | |
| 11 | R | 10:43 | 20.3 - 22.0 | 20.9 | 3.7 | 17.2 | | |
| 12 | Y | | 21.5 - 23.6 | 22.2 | | 18.5 | | |
| 13 | W | | 22.6 - 24.0 | 23.1 | | 19.4 | | |
| 14 | Y | | 23.9 - 25.1 | 24.3 | | 20.6 | | |
| 15 | W | | 24.8 - 26.0 | 25.2 | | 21.5 | | |
| 16 | R | 10:53 | 27.0 - 28.4 | 27.5 | 3.8 | 23.7 | | |
| 17 | Y | | 28.5 - 30.2 | 29.1 | | 25.3 | End of line | |
| ~~18~~ | ~~W~~ | | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | | |

Boot. 305+00 (N)

Profile No. ____ Notes Red. [illegible] Date 1-15-47 Plotted H U M H Date 1947 Job No. 8412 Division No. ____ Survey of Beach Erosion Survey by Kleineck Notes G.O.H. Date 11/15/46 Map No. ____ Indexed. J. Johnson Date ____

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

F.B. 1288 PG. 111

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____
Plotted H.U.M.H. Date 1947
Checked ____ Date ____
Notes Red. ____ Date 1-15-47
Notes Chkd. ____ Date ____
Division No. ____
Job No. 8417 Notes Ref. 1224, 1225, 1210
Survey of Marina Entrance
Survey by H.C. Johnson Date ____
Indexed ____
F.B. 128 Pg. 112

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | ~~11.06~~ | ~~27.8 - 29.1~~ | | out | | Range 307+00(N) |
| 2 | Y | | 25.8 - 27.8 | 26.5 | 3.1 | 22.6 | Going In. (Use 11:06 for time) HE |
| 3 | W | | 24.7 - 27.0 | 25.5 | | 21.6 | |
| 4 | Y | | 23.5 - 26.5 | 24.5 | | 20.6 | |
| 5 | W | | 22.6 - 25.7 | 23.6 | | 19.7 | |
| 6 | R | 11:19 | 21.8 - 23.8 | 22.5 | 4.0 | 18.5 | |
| 7 | Y | | 20.0 - 22.0 | 20.7 | | 16.7 | |
| 8 | W | | 18.8 - 20.1 | 19.2 | | 15.2 | |
| 9 | Y | | 17.2 - 20.0 | 18.1 | | 14.1 | |
| 10 | W | | 15.8 - 17.8 | 16.5 | | 12.5 | |
| 11 | R | 11:26 | 14.7 - 16.3 | 15.2 | 4.0 | 11.2 | |
| 12 | Y | | 13.7 - 15.6 | 14.3 | | 10.3 | |
| 13 | W | | 12.1 - 14.7 | 13.0 | | 9.0 | |
| 14 | Y | | 11.8 - 13.8 | 12.5 | | 8.5 | |
| 15 | W | | 9.5 - 11.2 | 10.1 | | 6.1 | End of line |
| 16 | R | | | | | | |
| 17 | Y | | | | | | |
| 18 | W | | | | | | |
| 19 | Y | | | | | | |
| 20 | W | | | | | | |

Boat 307+00(N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. Sight At | On | # | Color | Time | Hor. Ang. | Remarks | |
| 309+00 (N) | 299+00 (N) | 1 | R | 11 38 | 90 00 | Range ∠ = 90° | F.S. on 299+00 (N) |
| | | 2 | Y | | 89 30 | | |
| | | 3 | W | | 90 30 | | |
| | | 4 | Y | | 90 00 | | |
| | | 5 | W | | 90 25 | | |
| | | 6 | R | 11 45 | 90 10 | | |
| | | 7 | Y | | 89 45 | | |
| | | 8 | W | | 90-10 | | |
| | | 9 | Y | | 89-50 | | |
| | | 10 | W | | 90 10 | | |
| | | 11 | R | 11 59 | 89 55 | | |
| | | 12 | Y | | 89 45 | | |
| | | 13 | W | | 89 45 | | |
| | | 14 | Y | | 89 40 | | |
| | | 15 | W | | 89 50 | | |
| | | 16 | R | 12 05 | 89 25 | | |
| | | 17 | Y | | 90 00 | | |
| | | 18 | W | | | | |

Range
309+00 (N)

Profile
Notes Red _____ Plotted H.U.M.H. Job No. 847 Division No. _____
No. _____ Date _____ Date 6/9/47 Survey of Beach Erosion
X-Sec. Notes Chkd. _____ Checked _____ Survey by Clement Notes C.W.M. Date 11-15-46
No. _____ Date _____ Date _____ Map No. _____ Indexed J. Jansen Date _____

F.B. 1288 Pg. 113

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 310+80 (N) | 309+00 (N) | 1 | R | 704 | 8950 | Range Line ∢ = 90° F.S. on 309+00 |
| | | 2 | Y | | 8940 | |
| | | 3 | W | | 8950 | Note: Could not run Sta. |
| | | 4 | Y | | 8945 | 311+00. Bldg. on line. Offset |
| | | 5 | W | | 8940 | 20' back on line. |
| | | 6 | R | 718 | 8950 | |
| | | 7 | Y | | 9000 | |
| | | 8 | W | | 9005 | |
| | | 9 | Y | | 9000 | |
| | | 10 | W | | 9005 | |
| | | 11 | R | 726 | 8950 | |
| | | 12 | Y | | 9000 | |
| | | 13 | W | | 9000 | |
| | | 14 | Y | | 9005 | |
| | | 15 | W | | 9000 | |
| | | 16 | R | 730 | 9000 | End |

Range 310+80 (N)

F.B. 1288 PG. 114

Job No. 842 Division No. ____ Notes Red ____ Date ____ Plotted H. U. M. H. Date 1947 No. ____ Profile

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

Survey by Fleneck Notes GWK 11-18-'46 Date ____ Date ____ No. ____

Indexed A. C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

*Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 301+00 -N | 299+00 -N | [illegible] | [illegible] | 11:38 | 148-30 | [illegible] 309+00 (N) |
| | | [illegible] | Y | | 146-45 | |
| | | | | | 146-10 | |
| | | 4 | Y | | 143-20 | |
| | | [illegible] | [illegible] | | 141-30 | |
| | | [illegible] | R | 11:45 | 139-10 | |
| | | [illegible] | [illegible] | | 136-40 | |
| | | [illegible] | [illegible] | | 134-10 | |
| | | [illegible] | Y | | 130-15 | |
| | | [illegible] | [illegible] | | 128-00 | |
| | | | [illegible] | 11:53 | 122-35 | |
| | | 12 | [illegible] | | 118-00 | |
| | | 13 | [illegible] | | 116-00 | |
| | | 14 | [illegible] | | 113-55 | |
| | | 15 | [illegible] | | 111-50 | |
| | | 16 | [illegible] | 12:06 | 109-50 | |
| | | 17 | | | 108-50 | END OF LINE. |

Cut in. 309+00 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 PG. 115
Date ____ Date 1947 Survey of BEACH [illegible]
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes D.S. Date 11-15-46
Date ____ Date ____ Map No. ____ Andrew Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 303+00 -N | 301+00 -N | 1 | R | 7:04 | 10[illegible] 05 | RANGE ~~311+00 (N)~~ 310+80 (N) offset. |
| | | 2 | Y | | 109-[illegible]0 | |
| | | 3 | W | | 111-30 | |
| | | 4 | Y | | 115-[illegible] | |
| | | 5 | W | | 117-50 | |
| | | 6 | R | 7:19 | 12[illegible] | |
| | | 7 | Y | | 12[illegible] 40 | |
| | | 8 | W | | 130-15 | |
| | | 9 | Y | | 13[illegible] 05 | |
| | | 10 | W | | [illegible] | |
| | | 11 | R | 7:27 | 140-20 | |
| | | 12 | Y | | 14[illegible] | |
| | | 13 | W | | 144-[illegible]5 | |
| | | 14 | Y | | 14[illegible] | |
| | | 15 | W | | 14[illegible]-0 | |
| | | 16 | R | 7:30 | 14[illegible] | END OF LINE. |

Cut in 310+80 (N)

F.B. 1288 PG. 116

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

Survey of BEACH [illegible] Date ____ Date 1947. No. ____

Survey by KLEINECK Notes D.S. 11-18-46 Notes Chkd. ____ Checked ____ X-Sec.

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

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 11:36 | 8.8 - 10.8 | 9.5 | 4.1 | 5.4 | Range 309+00 (N) |
| 2 | Y | | 9.8 - 11.8 | 10.5 | | 6.4 | Going Out. |
| 3 | W | | 10.8 - 12.2 | 11.3 | | 7.2 | |
| 4 | Y | | 12.5 - 14.7 | 13.2 | | 9.1 | |
| 5 | W | | 14.0 - 17.0 | 15.0 | | 10.9 | |
| 6 | R | 11:45 | 15.8 - 18.0 | 16.5 | 4.1 | 12.4 | |
| 7 | Y | | 17.3 - 18.3 | 17.6 | | 13.5 | |
| 8 | W | | 18.0 - 19.2 | 18.4 | | 14.3 | |
| 9 | Y | | 19.0 - 20.2 | 19.4 | | 15.3 | |
| 10 | W | | 20.0 - 22.1 | 20.7 | | 16.6 | |
| 11 | R | 11:51 | 21.5 - 22.8 | 21.9 | 4.2 | 17.7 | |
| 12 | Y | | 22.8 - 23.8 | 23.1 | | 18.9 | |
| 13 | W | | 23.7 - 24.8 | 24.4 | | 19.9 | |
| 14 | Y | | 25.2 - 26.4 | 25.6 | | 21.~~2~~4 | |
| 15 | W | | 26.3 - 27.4 | 26.7 | | 22.5 | |
| 16 | R | 12:06 | 27.3 - 29.0 | 27.9 | 4.3 | 23.6 | |
| 17 | Y | | 28.8 - 31.8 | 29.8 | | 25.~~6~~5 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat. 309+00 (N)

Profile No. ____ Notes Red. [illegible] Date 1-15-47 Plotted H.U.M.H. Date 1947. Job No. 8417 Division No. ____ Survey of Beach Erosion Survey by Kleinack Notes G.O.H. Date 11/15/46 Map No. ____ Indexed J. Jorgensen Date ____

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

F.B. 1288 PG. 117

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____

Plotted H.U.M.H. Date 1947
Checked ____ Date ____
Notes Red. ____ Date 1-15-47
Notes Chkd. ____ Date ____

Division No. ____
Job No. 5112 (2)
Notes Soundings Taken 11-18-46
Date ____
Indexed ____
Survey by A. C. Johnson
Survey of Redondo Entrance
F.B. 1288 PG. 118

| STATION | B. S. | H. I. | F. S. | ELEV. | | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth Bottom | | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 7:05 | 29.5 - 32.2 | 30.4 | 5.1 | 25.3 | 310+80(N. offset<br>Range ~~311+00(N)~~<br>Going In. |
| 2 | Y | | 28.4 - 29.2 | 28.7 | | 23.6 | |
| 3 | W | | 27.2 - 28.4 | 27.6 | | 22.5 | |
| 4 | Y | | 25.5 - 27.2 | 26.1 | | 21.0 | |
| 5 | W | | 24.1 - 26.0 | 24.7 | | 19.6 | |
| 6 | R | 7:19 | 22.9 - 24.0 | 23.3 | 5.0 | 18.3 | |
| 7 | Y | | 21.6 - 22.9 | 22.0 | | 17.0 | |
| 8 | W | | 20.5 - 21.6 | 20.9 | | 15.9 | |
| 9 | Y | | 19.0 20.2 | 19.4 | | 14.4 | |
| 10 | W | | 17.0 - 19.0 | 17.7 | | 12.7 | |
| 11 | R | 7:26 | 15.8 - 18.3 | 16.8 | 4.9 | 11.9 | |
| 12 | Y | | 14.5 - 15.8 | 14.9 | | 10.0 | |
| 13 | W | | 13.0 - 14.5 | 13.5 | | 8.6 | |
| 14 | Y | | 11.3 - 12.7 | 11.8 | | 6.9 | |
| 15 | W | | 10.0 - 11.5 | 10.5 | | 5.6 | |
| 16 | R | 7:30 | 8.9 - 10.5 | 9.4 | 4.9 | 4.5 | End of line |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 310+80 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 313 | "N-25" | 1 | R | 739 | 90 20 | Range Line ∡ = 90° F.S. on "N-25" | |
| +00 (N) | (311+60±) | 2 | Y | | 90 20 | | |
| | | 3 | W | | 90 25 | | |
| | | 4 | Y | | 90 15 | | |
| | | 5 | W | | 90 00 | | |
| | | 6 | R | 745 | 90 10 | | |
| | | 7 | Y | | 90 10 | | |
| | | 8 | W | | 90 10 | | |
| | | 9 | Y | | 90 00 | | |
| | | 10 | W | | 90 00 | | |
| | | 11 | R | 752 | 90 05 | | |
| | | 12 | Y | | 90 05 | | |
| | | 13 | W | | 90 00 | | |
| | | 14 | Y | | 89 50 | | |
| | | 15 | W | | 90 05 | | |
| | | 16 | R | 801 | 90.15 | End. | |

Range
313+00 (N)

Profile No. ____ Notes Red ____ Plotted U. M. H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 119
X-Sec. No. ____ Date ____ Date 1947 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by H. Tenney Notes G.W.K. Date 11-18-'46
Date ____ Date ____ Map No. ____ Indexed E. J. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 315 +00 (N) | "N-25" | 1 | R | 8 10 | 90 10 | Range Line ∡ = 90° F.S. on "N-25" |
| | | 2 | Y | | 90 10 | |
| | | 3 | W | | 90 15 | |
| | | 4 | Y | | [illegible] | |
| | | 5 | W | | 89 50 | |
| | | 6 | R | 8 23 | 89 45 | |
| | | 7 | Y | | 90 10 | |
| | | 8 | W | | 90 15 | |
| | | 9 | Y | | 89 50 | |
| | | 10 | W | | 90 10 | |
| | | 11 | R | 8 32 | 90 10 | |
| | | 12 | Y | | 90 10 | |
| | | 13 | W | | 90 10 | |
| | | 14 | Y | | 90 15 | |
| | | 15 | W | | 90 30 | End. |

Range 315+00 (N)

F.B. 1288 PG. 120 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1947 No. X-Sec.
Survey by Meineck Notes C.W.W. 11-18-46 Notes Chkd. Checked No.
Indexed C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| [illegible] | [illegible] | | [illegible] | 7:40 | 155-20 | KANSE. 313+00 (N) | |
| | | 2 | | | 153-50 | | |
| | | 3 | N | | 152-20 | | |
| | | 4 | N | | 150-10 | | |
| | | 5 | N | | 148-10 | | |
| | | 6 | R | 7:45 | 146-30 | | |
| | | 7 | N | | 142-45 | | |
| | | 8 | N | | 138-45 | | |
| | | 9 | N | | 135-40 | | |
| | | 10 | N | | 152-20 | | |
| | | 11 | R | 7:52 | 129-25 | | |
| | | 12 | | | 124-30 | | |
| | | 13 | N | | 120-20 | | |
| | | 14 | N | | 117-55 | | |
| | | 15 | | | 116-50 | | |
| | | | R | 7:02 | 114-50 | END OF LINE. | |

Cut in.
313+00 (N)

Profile
No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 1947 Survey of Beach Erosion
No. ____ Notes Chkd. ____ Checked ____ Survey by Fleming Notes D.S. Date 11-18-46
Date ____ Date ____ Map No. ____ Indexed S. Johnson Date ____

F.B. 1288 PG. 121

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 303+00 -N | 301+00 -N | 1 | R | 8:11 | [illegible] | RANGE 315+00 (N) |
| | | 2 | Y | | 12[illegible] | |
| | | 3 | W | | 12[illegible] | |
| | | 4 | Y | | 128-20 | |
| | | 5 | W | | 12[illegible] | |
| | | 6 | R | [illegible]:23 | 134-[illegible] | |
| | | 7 | Y | | 13[illegible] | |
| | | 8 | W | | 14[illegible] | |
| | | 9 | Y | | 14[illegible]-20 | |
| | | 10 | W | | 15[illegible] | |
| | | 11 | R | [illegible]:32 | 154-00 | |
| | | 12 | Y | | 154-50 | |
| | | 13 | W | | 156-[illegible] | |
| | | 14 | Y | | 15[illegible] | |
| | | 15 | W | | 159-20 | END OF LINE |

Cut in. 315+00 (N)

F.B. 1288 PG. 122 Job No. 8412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 1947. No.
Survey by Kleinecke Notes D.S. 1-[illegible]-46 Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date No.

FORM 307 2M 8-45

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

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 7:40 | 9.0 - 11.3 | 9.8 | 4.8 | 5.0 | Range 313+00 (N) |
| 2 | Y | | 10.4 - 13.0 | 11.3 | | 6.5 | Going Out. |
| 3 | W | | 12.0 - 13.5 | 12.5 | | 7.7 | |
| 4 | Y | | 13.8 - 15.3 | 14.3 | | 9.5 | |
| 5 | W | | 15.2 - 17.0 | 15.8 | | 11.0 | |
| 6 | R | 7:45 | 17.0 - 18.8 | 17.6 | 4.7 | 12.9 | |
| 7 | Y | | 18.9 - 20.1 | 19.3 | | 14.6 | |
| 8 | W | | 19.9 - 21.2 | 20.3 | | 15.6 | |
| 9 | Y | | 20.9 - 22.0 | 21.3 | | 16.6 | |
| 10 | W | | 21.9 - 23.1 | 22.3 | | 17.6 | |
| 11 | R | 7:51 | 22.9 - 23.8 | 23.2 | 4.6 | 18.6 | |
| 12 | Y | | 23.8 - 25.3 | 24.3 | | 19.7 | |
| 13 | W | | 25.2 - 26.2 | 25.5 | | 20.9 | |
| 14 | Y | | 26.0 - 27.0 | 26.3 | | 21.7 | |
| 15 | W | | 27.2 - 28.0 | 27.5 | | 22.9 | |
| 16 | R | 8:02 | 28.2 - 30.3 | 28.9 | 4.5 | 24.4 | End of line |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat. 313+00 (N)

Profile No. ____ Notes Red. SB Date 1-15-47 Plotted ____ Date 1947 H. U. M. H. Job No. 8412 Division No. ____ Survey of Beach Erosion Survey by Kleinecke Notes G.O.H. Date 11/18/46 Map No. ____ Indexed ____ Date ____

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

F.B. 1288 PG. 123

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

F.B. 128 PG. 124 — Job No. 2417 Division No. — Survey of Beach Erosion — Survey by Hermes Notes 8-24-47 11-18-47 — Indexed by C. Johnson Date — Profile No. — X-Sec. No. — Plotted H.U.M.H. Date 1947. — Checked — Date — Notes Red. HB Date 1-17-47 — Notes Chkd. — Date

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 8.11 | 28.3 - 29.0 | 28.5 | 4.3 | Range 24.2 | 315+00 (N) |
| 2 | Y | | 27.1 - 28.8 | 27.7 | | 23.4 Going | In. |
| 3 | W | | 25.5 - 27.4 | 26.1 | | 21.8 | |
| 4 | Y | | 24.1 - 25.8 | 24.7 | | 20.4 | |
| 5 | W | | 23.9 - 24.9 | 24.7 | | 19.9 | |
| 6 | R | 8.24 | 22.0 - 23.6 | 22.5 | 4.2 | 18.3 | |
| 7 | Y | | 20.8 - 22.0 | 21.2 | | 17.0 | |
| 8 | W | | 18.8 - 20.0 | 19.2 | | 15.0 | |
| 9 | Y | | 17.8 - 19.2 | 18.3 | | 14.1 | |
| 10 | W | | 16.2 - 18.8 | 17.1 | | 12.9 | |
| 11 | R | 8.32 | 15.1 - 17.8 | 16.0 | 4.1 | 11.9 | |
| 12 | Y | | 13.6 - 15.8 | 14.3 | | 10.2 | |
| 13 | W | | 12.2 - 14.6 | 13.0 | | 8.9 | |
| 14 | Y | | 10.6 - 11.8 | 11.0 | | 6.9 | |
| 15 | W | | 8.2 - 10.8 | 9.1 | | 5.0 | End of line |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 315+00 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 317 | "N-25" | 1 | R | 8 42 | 90 00 | Range Line ∡ = 90° F.S. on "N-25" | |
| 400 | | 2 | Y | | 90 20 | | |
| (N) | | 3 | W | | 90 00 | | |
| | | 4 | Y | | 89 55 | | |
| | | 5 | W | | 90 30 | | |
| | | 6 | R | 8 46 | 90 25 | | |
| | | 7 | Y | | 89 40 | | |
| | | 8 | W | | 90 00 | | |
| | | 9 | Y | | 90 00 | | |
| | | 10 | W | | 89 55 | | |
| | | 11 | R | 8 53 | 90 00 | | |
| | | 12 | Y | | 89 55 | | |
| | | 13 | W | | 89 55 | | |
| | | 14 | Y | | 90 00 | | |
| | | 15 | W | | 90 00 | | |
| | | 16 | R | 9 01 | 89 50 | | |
| | | 17 | Y | | 90 06 | | |
| | | 18 | W | | 90 05 | | |
| | | 19 | Y | | 90 00 | | |
| | | 20 | W | | 90 15 | End. | |

Range
317+00 (N)

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 125
X-Sec. No. ____ Date ____ Date 1947 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Meinecke Notes Chk. Date 11-18-46
No. ____ Date ____ Date ____ Map No. ____ Indexed: C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 319+00 (N) | "N-25" | 1 | R | 917 | 89 50 | Range Line ∡=90° F.S. on "N-25" |
| | | 2 | Y | | 90 10 | |
| | | 3 | W | | 90 20 | |
| | | 4 | Y | | 90 30 | |
| | | 5 | W | | 90 20 | |
| | | 6 | R | 932 | 90 25 | |
| | | 7 | Y | | 89 55 | |
| | | 8 | W | | 90 15 | |
| | | 9 | Y | | 90 20 | |
| | | 10 | W | | 90 30 | |
| | | 11 | R | 939 | 90 35 | |
| | | 12 | Y | | 90 20 | |
| | | 13 | W | | 90 15 | |
| | | 14 | Y | | 90 35 | |
| | | 15 | W | | 90 15 | End. |

Range 319+00 (N)

F.B. 1288 PG. 126

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

Survey of Beach Erosion Date ____ Date 1947 No. ____

Survey by Kleinecke Notes Gult. 11-18-46 Notes Chkd. ____ Checked ____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 303+00 -N | 301+00 -N | 1 | R | 8:42 | 162-55 | RANGE 317+00 (N) |
| | | 2 | Y | | 161-50 | |
| | | 3 | W | | 160-45 | |
| | | 4 | Y | | 160-25 | |
| | | 5 | W | | 159-50 | |
| | | 6 | R | 8:47 | 158-50 | |
| | | 7 | Y | | 157-35 | |
| | | 8 | W | | 155-55 | |
| | | 9 | Y | | 154-05 | |
| | | 10 | W | | 149-35 | |
| | | 11 | R | 8:53 | 148-00 | |
| | | 12 | Y | | 145-10 | |
| | | 13 | W | | 141-50 | |
| | | 14 | Y | | 139-25 | |
| | | 15 | W | | 136-05 | |
| | | 16 | R | 9:01 | 132-10 | |
| | | 17 | Y | | 129-05 | |
| | | 18 | W | | 125-15 | |
| | | 19 | Y | | 123-45 | |
| | | 20 | W | | 122-10 | END OF LINE |

Cut in. 317+00 (N)

Profile No. ____ Notes Red ____ Plotted U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 127

X-Sec. No. ____ Date ____ Date 1947 Survey of BEACH EROSION

Notes Chkd ____ Checked ____ Survey by KLEINER Notes D.S. Date 11-18-46

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

F.B. 1288 PG. 128

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

Survey of BEACH EROSION Date _____ Date 1947. No. _____

Survey by KLEINECK Notes D.S. 11-18-46 Notes Chkd. _____ Checked _____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | | |
|---|---|---|---|---|---|---|
| Inst. Sight At On | # | Color | Time | Hor. Ang. | | Remarks |
| 303+00 301+00 -N -N | 1 | R | 9:18 | 125-15 | RANGE 319+00 (N) | |
| | 2 | Y | | 127-[illegible] | | |
| | 3 | U | | 13[illegible]-10 | | |
| | 4 | Y | | 133-15 | | |
| | 5 | U | | 137-30 | | |
| | 6 | R | 9:33 | 14[illegible]-30 | | |
| | 7 | Y | | 147-10 | | |
| | 8 | U | | 152-30 | | |
| | 9 | Y | | 15[illegible]-15 | | |
| | 10 | U | | 158-35 | | |
| | 11 | R | 9:40 | 160-[illegible] | | |
| | 12 | Y | | 16[illegible]-10 | | |
| | 13 | U | | 16[illegible]-10 | | |
| | 14 | Y | | 163-30 | | |
| | 15 | U | | 16[illegible]-10 | END OF LINE. | |

Cut in.
319+00 (N)

FORM 307 2M 6-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 8.42 | 7.9 - 10.0 | 8.6 | 3.9 | 4.7 | Range 317+00 (N) Going Out. |
| 2 | Y | | 9.0 - 11.3 | 9.8 | | 5.9 | |
| 3 | W | | 10.2 - 12.2 | 10.9 | | 7.0 | |
| 4 | Y | | 11.1 - 13.3 | 11.8 | | 7.9 | |
| 5 | W | | 12.3 - 13.4 | 12.7 | | 8.8 | |
| 6 | R | 8:46 | 13.3 - 15.0 | 13.9 | 3.8 | 10.1 | |
| 7 | Y | | 15.0 - 17.0 | 15.7 | | 11.9 | |
| 8 | W | | 16.0 - 16.9 | 16.3 | | 12.5 | |
| 9 | Y | | 17.0 - 18.5 | 17.5 | | 13.7 | |
| 10 | W | | 18.0 - 19.9 | 18.6 | | 14.8 | |
| 11 | R | 8:51 | 19.0 - 20.5 | 19.5 | 3.7 | 15.8 | |
| 12 | Y | | 20.0 - 21.3 | 20.4 | | 16.7 | |
| 13 | W | | 21.0 - 22.2 | 21.4 | | 17.7 | |
| 14 | Y | | 21.3 - 24.0 | 22.2 | | 18.5 | |
| 15 | W | | 22.7 - 23.8 | 23.1 | | 19.4 | |
| 16 | R | 9:01 | 23.5 - 24.0 | 23.7 | 3.6 | 20.1 | |
| 17 | Y | | 24.4 - 25.3 | 24.7 | | 21.1 | |
| 18 | W | | 25.8 - 26.8 | 26.1 | | 22.5 | |
| 19 | Y | | 27.0 - 28.1 | 27.4 | | 23.8 | |
| 20 | W | | 28.2 - 29.0 | 28.5 | | 24.9 | End of line |

Boat 317+00 (N)

Profile No. ____ Notes Red. JAJ Date 1-17-47 Plotted M.H. Date 1947 Job No. 8427 Division No. ____ Survey of Beach Erosion Survey by Kleinecke Notes G.O.H. Date 11/18/46 Map No. ____ Indexed Johnson Date ____

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

F.B. 1288 PG. 129

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 9:17 | 28.0 29.1 | 28.4 | 3.3 | 25.1 | Range 319+00 (N) |
| 2 | Y | | 26.8 - 28.0 | 27.2 | | 23.9 | Going In. |
| 3 | W | | 25.5 - 27.0 | 26.0 | 3.2 | 22.8 | |
| 4 | Y | | 23.5 25.9 | 24.3 | | 21.1 | |
| 5 | W | | 22.2 - 23.8 | 22.7 | | 19.5 | |
| 6 | R | 9:32 | 21.0 - 22.0 | 21.3 | 3.1 | 18.2 | |
| 7 | Y | | 19.8 - 20.8 | 20.1 | | 17.0 | |
| 8 | W | | 18.6 - 20.0 | 19.1 | 3.0 | 16.1 | |
| 9 | Y | | 17.0 - 19.5 | 17.8 | | 14.8 | |
| 10 | W | | 15.0 - 17.8 | 15.9 | | 12.9 | |
| 11 | R | 9:40 | 13.7 - 15.2 | 14.2 | 2.9 | 11.3 | |
| 12 | Y | | 12.0 - 13.8 | 12.6 | | 9.7 | |
| 13 | W | | 10.8 - 13.0 | 11.5 | | 8.6 | |
| 14 | Y | | 9.0 - 11.0 | 9.7 | | 6.8 | |
| 15 | W | | 7.1 - 9.8 | 8.0 | | 5.1 | End of line |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 319+00 (N)

F.B. 1288 PG. 130

Job No. 8412 Division No. ____ Notes Red. [illegible] Date 1-17-47 Plotted H. U. M. H. Date 1947 Profile No. ____

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

Survey by Flaiwerk Notes 8104-11-18-46 Date ____ Date ____

Indexed A. C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 32/400 (N) | "N-26" | 1 | R | 951 | 90 10 | Range Line ∠ = 90° F.S. on "N-26" |
| | | 2 | Y | | 90 10 | |
| | | 3 | W | | 90 35 | |
| | | 4 | Y | | 90 15 | |
| | | 5 | W | | 92 00 | |
| | | 6 | R | 957 | 90 45 | |
| | | 7 | Y | | 89 50 | |
| | | 8 | W | | 90 30 | |
| | | 9 | Y | | 90 40 | |
| | | 10 | W | | 89 55 | |
| | | 11 | R | 1007 | 90 10 | |
| | | 12 | Y | | 89 55 | |
| | | 13 | W | | 90 05 | |
| | | 14 | Y | | 90 00 | |
| | | 15 | W | | 90 15 | |
| | | 16 | R | 1020 | 89 50 | |
| | | 17 | Y | | 90 00 | |

Range
32/400 (N)

Profile
Notes Red _____ Plotted U.M.H. Job No. 642 Division No. _____
No. _____ Date _____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd _____ Checked _____ Survey by Maureen Notes Calc. Date 11-12-46
No. _____ Date _____ Date _____ Map No. _____ Indexed _____ Date _____

F.B. 2888 Pg. 131

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 323+00 (N) | "N-26" | 1 | R | 10 32 | 90 00 | Range Line ∡ = 90° F.S. on "N-26" |
| | | 2 | Y | | 90 05 | |
| | | 3 | W | | 89 45 | |
| | | 4 | Y | | 90 20 | |
| | | 5 | W | | 90 00 | |
| | | 6 | R | 10 45 | 89 55 | |
| | | 7 | Y | | 90 10 | |
| | | 8 | W | | 90 00 | |
| | | 9 | Y | | 90 40 | |
| | | 10 | W | | 90 00 | |
| | | 11 | R | 10 54 | 90 00 | |
| | | 12 | Y | | 90 05 | |
| | | 13 | W | | 90 30 | |
| | | 14 | Y | | 90 05 | |
| | | 15 | W | | 90 25 | |
| | | 16 | R | 10 57 | 91 00 | End. |

Range 323+00 (N)

F.B. 1288 PG. 132

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Heineck Notes GWK 11-18-46 Notes Chkd. Checked No.

Indexed C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| [illegible] | 11-2[illegible] | 1 | R | 9:52 | 151-15 | RANGE 321+00 (N) |
| | | 2 | Y | | ~~149~~-50 | |
| | | 3 | [illegible] | | 148-00 | |
| | | 4 | Y | | 147-05 | |
| | | 5 | [illegible] | | 145-30 | |
| | | 6 | [illegible] | 9:53 | 143-35 | |
| | | 7 | Y | | 141-30 | |
| | | 8 | W | | 140-10 | |
| | | 9 | Y | | 136-30 | |
| | | 10 | W | | 130-00 | |
| | | 11 | R | 10:07 | 124-50 | |
| | | 12 | Y | | 120-05 | |
| | | 13 | W | | 116-50 | |
| | | 14 | Y | | 114-15 | |
| | | 15 | W | | 112-05 | |
| | | 16 | R | 10:20 | 110-15 | |
| | | 17 | Y | | 109-05 | END OF LINE |

Cut in. 321+00 (N)

Profile No. ____ Notes Red ____ Plotted J.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 133

X-Sec. No. ____ Date ____ Date 1947 Survey of BERGER EROSION

Notes Chkd ____ Checked ____ Survey by [illegible] Notes D.S. Date 11-18-46

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 313+00 -N | [illegible] | 1 | R | 10:32 | 11[illegible] | [illegible] 323+00 (N) |
| | | 2 | Y | | 115 50 | |
| | | 3 | W | | 11[illegible] | |
| | | 4 | Y | | 117 55 | |
| | | 5 | W | | 122 15 | |
| | | 6 | R | 10:45 | 12[illegible] 50 | |
| | | 7 | Y | | 130 [illegible] | |
| | | 8 | W | | 135 [illegible] | |
| | | 9 | Y | | 14[illegible] 15 | |
| | | 10 | W | | 145 50 | |
| | | 11 | R | 10:54 | 14[illegible] | |
| | | 12 | Y | | 150 [illegible] | |
| | | 13 | W | | 15[illegible] | |
| | | 14 | Y | | 15[illegible] | |
| | | 15 | W | | 15[illegible] | |
| | | 16 | R | 10:57 | 155 [illegible] | END OF LINE. |

Cut in 323+00 (N)

F.B. 1288 PG. 134

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

Survey of BEACH EROSION Date Date 1947 No. X-Sec.

Survey by [illegible] Notes D.S. 11-18-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date No.

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 9:52 | 7.0 - 9.0 | 7.7 | 2.8 | 4.59 | Range 321+00 (N) |
| 2 | Y | | 8.3 - 9.8 | 8.8 | | 6.0 | Going Out |
| 3 | W | | 10.0 - 12.2 | 10.7 | | 7.9 | |
| 4 | Y | | 11.3 - 13.8 | 12.1 | | 9.3 | |
| 5 | W | | 12.8 - 14.0 | 13.2 | | 10.4 | |
| 6 | R | 9:57 | 14.0 - 16.0 | 14.7 | 2.7 | 12.0 | |
| 7 | Y | | 15.2 - 17.2 | 15.9 | | 13.2 | |
| 8 | W | | 16.5 - 17.8 | 16.9 | | 14.2 | |
| 9 | Y | | 18.0 - 20.0 | 18.7 | | 16.0 | |
| 10 | W | | 19.0 - 20.0 | 19.3 | | 16.6 | |
| 11 | R | 10:07 | 20.0 - 21.2 | 20.4 | 2.6 | 17.8 | |
| 12 | Y | | 21.0 - 23.0 | 21.7 | | 19.1 | |
| 13 | W | | 22.5 - 23.9 | 23.0 | | 20.4 | |
| 14 | Y | | 23.6 - 25.0 | 24.1 | 2.5 | 21.6 | |
| 15 | W | | 24.7 - 26.0 | 25.1 | | 22.6 | |
| 16 | R | 10:21 | 25.8 - 27.0 | 26.2 | 2.4 | 23.8 | |
| 17 | Y | | 27.1 - 28.1 | 27.4 | | 25.0 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat
321+00 (N)

Profile No. ____ Notes Red. 245 Date 1-17-47 Plotted H.U.M.H. Date 1947 Job No. 8412 Division No. ____ Survey of Beach Erosion
X:Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by Kleineck Notes G.O.H. Date 11/18/46 Map No. ____ Indexed Johnson Date ____

F.B. 1288 PG. 135

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 10:32 | 27.0 - 29.0 | 27.7 | 2.3 | 25.4 | Range 323+00 (N) Going In. |
| 2 | Y | | 26.0 - 27.0 | 26.3 | | 24.0 | |
| 3 | W | | 24.4 - 25.8 | 24.9 | | 22.6 | |
| 4 | Y | | 23.3 - 24.9 | 23.8 | 2.2 | 21.6 | |
| 5 | W | | 22.0 - 23.9 | 22.6 | | 20.4 | |
| 6 | R | 10:45 | 21.0 - 22.5 | 21.5 | 2.1 | 19.4 | |
| 7 | Y | | 19.9 - 21.3 | 20.4 | | 18.3 | |
| 8 | W | | 18.8 - 20.0 | 19.2 | | 17.1 | |
| 9 | Y | | 17.5 - 18.3 | 17.8 | | 15.7 | |
| 10 | W | | 16.0 - 17.5 | 16.5 | | 14.4 | |
| 11 | R | 10:54 | 14.0 - 17.0 | 15.0 | 2.0 | 13.0 | |
| 12 | Y | | 13.0 - 14.9 | 13.6 | | 11.6 | |
| 13 | W | | 11.8 - 13.0 | 12.2 | | 10.2 | |
| 14 | Y | | 10.0 - 11.7 | 10.6 | | 8.6 | |
| 15 | W | | 8.8 - 11.2 | 9.6 | | 7.6 | |
| 16 | R | 10:57 | 7.9 - 10.8 | 8.9 | 1.9 | 7.0 | End of line |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 323+00 (N)

F.B. 1288 PG. 136
Job No. 8412 Division No.
Survey of Beach Erosion
Survey by Hemmer Notes Sept 11-18-46
Indexed A. C. Johnson Date
Notes Red. Date 1-17-47
Notes Chkd. Date
Plotted H. U. M. H. Date 1947
Checked Date
Profile No.
X-Sec. No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 325+00 | N-26 | 1 | R | 11 04 | 89 50 | Range Line ∡ = 90° | F.S. on "N-26" |
| | | 2 | Y | | 91 00 | | |
| | | 3 | W | | 90 00 | | |
| | | 4 | Y | | 90 40 | | |
| | | 5 | W | | 90 35 | | |
| | | 6 | R | 11 08 | 90 05 | | |
| | | 7 | Y | | 90 30 | | |
| | | 8 | W | | 90 50 | | |
| | | 9 | Y | | 90 30 | | |
| | | 10 | W | | 90 10 | | |
| | | 11 | R | 11 20 | 90 15 | | |
| | | 12 | Y | | 90 20 | | |
| | | 13 | W | | 90 05 | | |
| | | 14 | Y | | 89 55 | | |
| | | 15 | W | | 89 55 | | |
| | | 16 | R | 11 31 | 90 00 | | |
| | | 17 | Y | | 89 55 | | |
| | | 18 | W | | 89 50 | | |

Range
325+00 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date ____ Notes Chkd ____ Checked ____ Survey of Beach Erosion
No. ____ Date ____ Survey by H. Reinert Notes Gwk. Date 11-18-46
Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 137

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 327 | "N-26" | 1 | R | 11 50 | 8[illegible]50 | Range Line ∡ = 90° F.S. on "N-26" |
| +05 | | 2 | Y | | 8[illegible]50 | |
| | | 3 | W | | 8[illegible]45 | Note: Offset 5' ahead. Small |
| | | 4 | Y | | 90[illegible]0 | life guard station stand on line |
| | | 5 | W | | 8[illegible]50 | |
| | | 6 | R | 12 04 | 90[illegible]15 | |
| | | 7 | Y | | 8[illegible]45 | |
| | | 8 | W | | 90[illegible]0 | |
| | | 9 | Y | | 90[illegible]5 | |
| | | 10 | W | | 8[illegible]55 | |
| | | 11 | R | 12 12 | 8[illegible]50 | |
| | | 12 | Y | | 90[illegible]5 | |
| | | 13 | W | | 8[illegible]50 | End |

Range 327+05 (N)

F.B. 1288 PG. 138

Job No. 8[illegible] Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Heineck Notes G.W.K. 11-18-46 Notes Chkd. Checked

Indexed C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| [illegible] | [illegible] | 1 | R | 11:02 | [illegible] | RANGE 325+00 (N) |
| | | 2 | Y | | 158-00 | |
| | | 3 | W | | 157-10 | |
| | | 4 | Y | | 156-30 | |
| | | 5 | W | | 155-10 | |
| | | 6 | R | 11:08 | 154-10 | |
| | | 7 | [illegible] | | 153-[illegible] | |
| | | 8 | W | | 151-00 | |
| | | 9 | Y | | 148-45 | |
| | | 10 | W | | 144-20 | |
| | | 11 | R | 11:17 | 140-20 | |
| | | 12 | Y | | 134-15 | |
| | | 13 | W | | 129-35 | |
| | | 14 | Y | | 126-00 | |
| | | 15 | W | | 123-15 | |
| | | 16 | R | 11:32 | 121-15 | |
| | | 17 | Y | | 118-55 | |
| | | 18 | W | | 116-15 | END OF LINE. |

Cut in 325+00 (N)

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. [illegible] Division No. ____ F.B. 1288 Pg. 139

X-Sec. No. ____ Date ____ Date 1947. Survey of BEACH EROSION

Notes Chkd. ____ Checked ____ Survey by ALLEN ECK Notes D.S. Date 11-18-46

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 313+00 -N | N-25 | 1 | [illegible] | 11:50 | 120-10 | [illegible] ~~327+00 (N)~~ 327+05 (N) Offset |
| | | 2 | [illegible] | | 122-50 | |
| | | 3 | [illegible] | | 126-10 | |
| | | 4 | Y | | 128-40 | |
| | | 5 | [illegible] | | 133-20 | |
| | | 6 | [illegible] | 12:05 | 137-35 | |
| | | 7 | Y | | 145-30 | |
| | | 8 | [illegible] | | 151-00 | |
| | | 9 | Y | | 15[illegible]-15 | |
| | | 10 | W | | 157-[illegible] | |
| | | 11 | B | 12:13 | 15[illegible]-20 | |
| | | 12 | Y | | 15[illegible]-[illegible] | |
| | | 13 | W | | 16[illegible]-00 | END OF LINE. |
| | | ~~14~~ | ~~Y~~ | | | |
| | | ~~15~~ | ~~W~~ | | | |
| | | ~~16~~ | ~~B~~ | | | |

Cut in 327+05 (N)

F.B. 1288 PG. 140

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

Survey of [illegible] Date 1947 No. X-Sec.

Survey by [illegible] Notes [illegible] Checked No.

Indexed A. C. Johnson Date Date Date

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 11:05 | 7.2-10.5 | 8.3 | 1.9 | 6.4 | Range 325+00 (N) |
| 2 | Y | | 8.5-10.0 | 9.0 | | 7.1 | Going Out. |
| 3 | W | | 9.5-10.8 | 9.9 | | 8.0 | |
| 4 | Y | | 10.5-11.5 | 10.8 | | 8.9 | |
| 5 | W | | 11.3-13.9 | 12.2 | | 10.3 | |
| 6 | R | 11:09 | 12.8-14.2 | 13.3 | 1.8 | 11.5 | |
| 7 | Y | | 13.8-16.0 | 14.5 | | 12.7 | |
| 8 | W | | 15.0-16.3 | 15.4 | | 13.6 | |
| 9 | Y | | 16.5-17.8 | 16.9 | | 15.1 | |
| 10 | W | | 17.6-19.1 | 18.1 | | 16.3 | |
| 11 | R | 11:20 | 18.6-19.9 | 19.0 | 1.8 | 17.2 | |
| 12 | Y | | 20.0-22.0 | 20.7 | | 18.9 | |
| 13 | W | | 21.0-22.4 | 21.5 | | 19.7 | |
| 14 | Y | | 22.0-23.0 | 22.3 | | 20.5 | |
| 15 | W | | 23.2-24.2 | 23.5 | | 21.7 | |
| 16 | R | 11:33 | 24.1-25.9 | 24.7 | 1.7 | 23.0 | |
| 17 | Y | | 25.6-26.2 | 25.8 | | 24.1 | |
| 18 | W | | 27.0 28.1 | 27.4 | | 25.7 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat. 325+00 (N)

Profile No. ____ Notes Red. 3/2 Plotted H.U.M.H. Job No. 8476 Division No. ____ F.B. 1288 PG. 141
Date 1-24-47 Date 1947 Survey of Beach Erosion
X:Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by Klaineck Notes G.O.H. Date 11/18/46
Date ____ Date ____ Map No. ____ Andered Johnson Date ____

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

F.B. 218 PG. 142 | Job No. 2417 Division No. | Survey of Seal Beach | Survey by Pearsall & Johnson Notes Date 11-18-46 | Indexed C. Johnson Date | Profile | Plotted H.U.M.H. Date 1947 | Checked Date | Notes Red. Date 1-24-47 | Notes Chkd. Date | No. | X-Sec. No.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 11:50 | 26.9 - 28.7 | 27.5 | 1.6 | 25.9 | Range 327+~~00~~ 05(N) - offset (N) |
| 2 | Y | | 25.5 - 27.2 | 26.1 | | 24.5 | Going In. |
| 3 | W | | 24.0 - 25.1 | 24.4 | | 22.8 | |
| 4 | Y | | 22.0 - 24.2 | 22.7 | | 21.1 | |
| 5 | W | | 21.0 - 24.0 | 22.0 | | 20.4 | |
| 6 | R | 12:05 | 19.6 - 21.0 | 20.1 | 1.5 | 18.6 | |
| 7 | Y | | 17.5 - 20.0 | 18.3 | | 16.8 | |
| 8 | W | | 16.0 - 18.5 | 16.8 | | 15.3 | |
| 9 | Y | | 14.3 - 16.8 | 15.1 | | 13.6 | |
| 10 | W | | 13.0 - 14.0 | 13.3 | | 11.8 | |
| 11 | R | 12:13 | 11.5 - 12.5 | 11.8 | 1.5 | 10.3 | |
| 12 | Y | | 9.8 - 12.5 | 10.7 | | 9.2 | |
| 13 | W | | 7.8 - 10.0 | 8.5 | | 7.0 | End of line |
| ~~14~~ | ~~Y~~ | | | | | | |
| ~~15~~ | ~~W~~ | | | | | | |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 327+05 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| "N-27" | N-26 | 1 | R | 7 46 | 9010 | Range Line ∡ = 90° F.S. on "N-26" | |
| | | 2 | Y | | 8950 | | |
| | | 3 | W | | 9000 | | |
| | | 4 | Y | | 8940 | | |
| | | 5 | W | | 9025 | | |
| | | 6 | R | 7 57 | 9000 | | |
| | | 7 | Y | | 9025 | | |
| | | 8 | W | | 9000 | | |
| | | 9 | Y | | 9000 | | |
| | | 10 | W | | 9000 | | |
| | | 11 | R | 8 10 | 9005 | | |
| | | 12 | Y | | 9010 | | |
| | | 13 | W | | 9010 | | |
| | | 14 | Y | | 9020 | | |
| | | 15 | W | | 9000 | | |
| | | 16 | R | 8 12 | 9015 | | |
| | | 17 | Y | | 8955 | | |
| | | 18 | W | | 9015 | | |
| | | 19 | Y | | 9000 | End. | |

328+99.73 (orig.)
= 329+02.28 (Adj'd)

Range
328+99.73 = "N-27"

Profile Notes Red. Plotted H.U.M.H. Job No. 8412 Division No.
No. Date Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Kleinert Notes G.W.K. Date 11-19-46
No. Date Date Map No. Indexed Johnson Date

F.B. 1288 Pg. 143

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 331 | N-27 | 1 | R | 8 28 | 89 45 | Range Line ∡ = 90° F.S. on "N-27" | |
| +00 | | 2 | Y | | 90 20 | | |
| (N) | | 3 | W | | 90 05 | | |
| | | 4 | Y | | 90 05 | | |
| | | 5 | W | | 90 50 | | |
| | | 6 | R | 8 34 | 89 40 | | |
| | | 7 | Y | | 90 00 | | |
| | | 8 | W | | 90 00 | | |
| | | 9 | Y | | 89 50 | | |
| | | 10 | W | | 89 45 | | |
| | | 11 | R | 8 40 | 90 [illegible] | | |
| | | 12 | Y | | 89 [illegible] | | |
| | | 13 | W | | 90 00 | | |
| | | 14 | Y | | 89 [illegible] | | |
| | | 15 | W | | 90 00 | | |
| | | 16 | R | 8 53 | 89 [illegible] | | |
| | | 17 | Y | | 90 00 | | |

Range 331+00 (N)

F.B. 1288 PG. 144

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Blaineck Notes GWT. 11-19-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 321+00 -11 | 11-26 | 1 | [illegible] | 7:46 | 111-00 | RANGE ~~[illegible]~~ 328+99.73 - (F.B. Station) = "N-27" |
| | | 2 | [illegible] | | 111-25 | |
| | | [illegible] | [illegible] | | 113-40 | |
| | | 4 | [illegible] | | 115-25 | |
| | | 5 | W | | 118-20 | |
| | | 6 | R | 7:57 | 119-15 | |
| | | 7 | [illegible] | | 123-50 | |
| | | 8 | [illegible] | | 127-00 | |
| | | 9 | Y | | 130-20 | |
| | | 10 | [illegible] | | 135-50 | |
| | | [illegible] | R | 8:10 | 137-15 | |
| | | [illegible] | [illegible] | | 140-30 | |
| | | [illegible] | W | | 141-50 | |
| | | [illegible] | [illegible] | | 144-00 | |
| | | [illegible] | W | | 146-35 | |
| | | [illegible] | R | 8:14 | 147-20 | |
| | | 17 | Y | | 149-00 | |
| | | [illegible] | W | | 149-50 | |
| | | 19 | Y | | 152-00 | END OF LINE |

Cut in
328+99.73 = "N-27"

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. [illegible] Division No. ____ F.B. 1288 PG. 145
Date ____ Date 1947 Survey of [illegible]
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by [illegible] Notes D.S. Date 11-19-46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 331+00 -N | N-26 | 1 | R | 8:29 | 154 15 | RANGE 331+00 (N) | |
| | | 2 | Y | | 15[illegible] 10 | | |
| | | 3 | W | | 15[illegible] 55 | | |
| | | 4 | Y | | 15[illegible] | | |
| | | 5 | W | | 14[illegible] | | |
| | | 6 | R | 8:34 | 147 55 | | |
| | | 7 | Y | | 14[illegible] 00 | | |
| | | 8 | W | | 14[illegible] | | |
| | | 9 | Y | | 140 [illegible] | | |
| | | 10 | W | | 157 10 | | |
| | | | R | 8:41 | 134 [illegible] | | |
| | | 12 | Y | | 129 15 | | |
| | | 13 | W | | 124 [illegible] | | |
| | | 14 | Y | | 122 00 | | |
| | | 15 | W | | 117 [illegible] | | |
| | | 16 | R | 8:53 | 115 [illegible] | | |
| | | 17 | Y | | 113 [illegible] | END OF LINE. | |

Cut in 331+00(N)

F.B. 1288 PG. 146

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

Survey of BEACH EROSION Date Date 1947 No. X-Sec.

Survey by KLEINECK Notes D.S. 11-19-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date

Form 307 5M 5-39

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 7:45 | 29.2 30.1 | 29.5 | 5.2 | 24.3 | Range ~~329+00~~ (N) |
| 2 | Y | | 28.0 29.3 | 28.4 | | 23.2 | Going In. |
| 3 | W | | 27.0 28.4 | 27.5 | | 22.3 | |
| 4 | Y | | 26.0 27.8 | 26.6 | | 21.4 | {328 + 99.73 = "N-27" |
| 5 | W | | 25.0 26.4 | 25.5 | | 20.3 | {F.B. Stationing |
| 6 | R | 7:57 | 24.0 26.0 | 24.7 | 5.0 | 19.7 | |
| 7 | Y | | 22.9 - 24.1 | 23.3 | | 18.3 | |
| 8 | W | | 21.8 - 23.8 | 22.5 | | 17.5 | |
| 9 | Y | | 20.9 - 22.6 | 21.5 | | 16.5 | |
| 10 | W | | 19.9 - 21.2 | 20.3 | | 15.3 | |
| 11 | R | 8:09 | 18.6 - 20.3 | 19.2 | 4.9 | 14.3 | |
| 12 | Y | | 17.5 - 19.2 | 18.1 | | 13.2 | |
| 13 | W | | 16.5 - 18.5 | 17.2 | | 12.3 | |
| 14 | Y | | 15.0 17.8 | 15.9 | | 11.0 | |
| 15 | W | | 13.5 - 15.2 | 14.1 | | 9.2 | |
| 16 | R | 8:14 | 12.0 15.0 | ~~12.7~~ 13.0 | 4.9 | ~~7.8~~ 8.1 | |
| 17 | Y | | 10.5 - 11.7 | 10.9 | | 6.0 | |
| 18 | W | | 9.2 - 11.6 | 10.0 | | 5.1 | |
| 19 | Y | | 7.8 - 9.1 | 8.2 | | 3.3 | End of line |
| ~~20~~ | ~~W~~ | | | | | | |

Boot
328+99.73="N-27"

Profile No. ____ Notes Red 8/3 Plotted H.U.M.H. Job No. 8412 Division No. ____ F B 1288 Pg. 147
X-Sec. No. ____ Date 1-24-47 Date 1947 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Kleinock Notes G.O.H. Date 11/19/46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

Form 307 5M 5-39

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

F.B. 1288 Pg. 148 | Job No. 8417 Division No. | Notes Rec'd | Plotted H.U.M.H. | Profile
Survey of Beach Erosion | Date 1-24-47 | Date 1947 | No. | X-Sec. No.
Survey by Steiner & C. Johnson | Notes Chkd. | Checked
Indexed | Date | Date

| STATION | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 8:30 | 8. - 10. | 8.7 | 4.1 | 4.0 | Range 331+00 (N) Going Out. |
| 2 | Y | | 9.1 - 11. | 9.7 | | 5.0 | |
| 3 | W | | 10.5 - 12 | 11.0 | | 6.3 | |
| 4 | Y | | 12. - 13.7 | 12.6 | | 7.9 | |
| 5 | W | | 13.1 - 14.8 | 13.7 | | 9.0 | |
| 6 | R | 8:34 | 14.5 - 15.8 | 14.9 | 4.6 | 10.3 | |
| 7 | Y | | 16. - 17.2 | 16.4 | | 11.8 | |
| 8 | W | | 17.2 - 18.3 | 17.6 | | 13.0 | |
| 9 | Y | | 18.2 - 19.2 | 18.5 | | 13.9 | |
| 10 | W | | 19.6 - 21.2 | 20.1 | | 15.5 | |
| 11 | R | 8:40 | 20.5 - 22.2 | 21.1 | 4.5 | 16.6 | |
| 12 | Y | | 21.8 - 23.1 | 22.2 | | 17.7 | |
| 13 | W | | 23.2 - 24.8 | 23.7 | | 19.2 | |
| 14 | Y | | 24. - 25.5 | 24.5 | | 20.0 | |
| 15 | W | | 25.8 - 27.6 | 26.4 | | 21.9 | |
| 16 | R | 8:53 | 27. - 28.8 | 27.6 | 4.3 | 23.3 | |
| 17 | Y | | 28.9 - 30.2 | 29.3 | | 25.0 | End of line |
| ~~18~~ | ~~W~~ | | | | | | Boat Moored |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

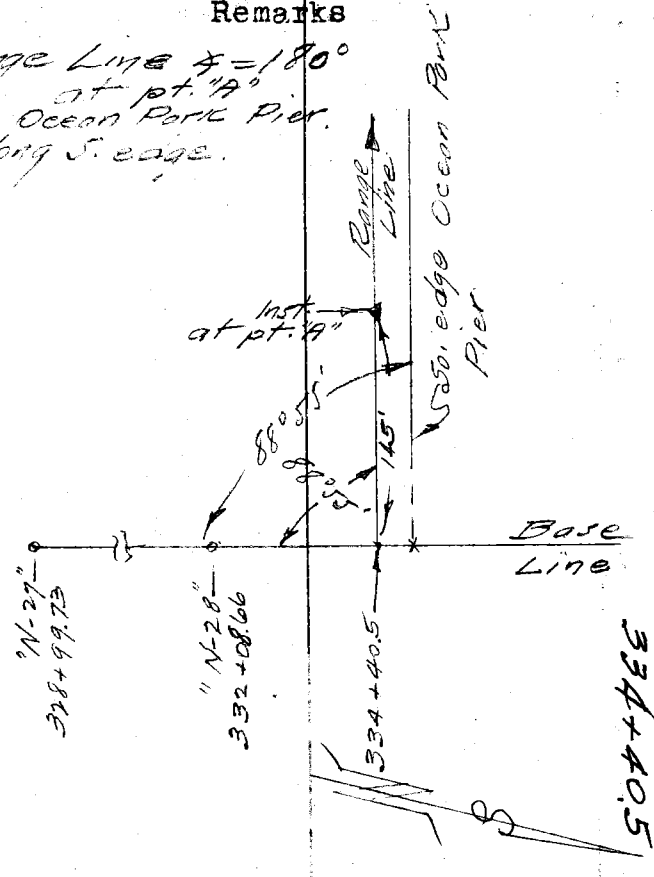
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 334 | 334 | 1 | R | 9 27 | 179 50 | Range Line ∡ = 180° at pt. "A" on Ocean Park Pier. along S. edge. |
| +40.5 | +40.5 | 2 | Y | | 179 55 | |
| | | 3 | W | | 179 50 | |
| | | 4 | Y | | 180 00 | |
| | | 5 | W | | 179 40 | |
| | | 6 | R | 9 37 | 180 00 | |
| | | 7 | Y | | 179 50 | |
| | | 8 | W | | 179 50 | |
| | | 9 | Y | | 179 50 | |
| | | 10 | W | | 180 15 | |
| | | 11 | R | 9 48 | 180 10 | |
| | | 12 | Y | | 180 20 | |

145.0' out on range line from base See sketch

On base Line




Profile
No. ____ Date ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. ____ Date 1947 Survey of Beach Erosion
No. ____ Notes Chkd. ____ Checked ____ Survey by Kleinert Notes G.W.K. Date 11-19-46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1288 PG. 149

F.B. 1288 PG. 150

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

Survey of Beach Erosion Date _____ Date 1947 No. _____

Survey by Meineck Notes GWK 11-19-46 Notes Chkd. _____ Checked _____ X-Sec.

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

FORM 307 5M 1-46

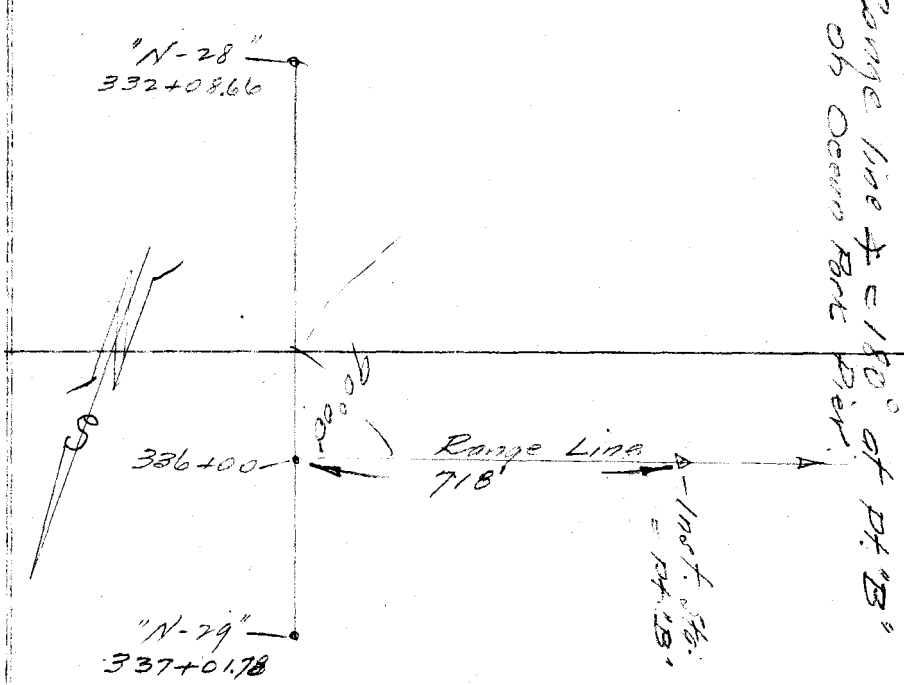
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Range 336+00 (N) 718' out on range line from base - See sketch

| STATION | B.S. | H.I. | F.S. | ELEV. | Remarks |
|---|---|---|---|---|---|
| Inst. Sight At 336+00 | | | | | |
| On 336+00 | | | | | on base line |
| # | Color | Time | Hor. Ang. | | |
| 1 | R | 10 01 | 180 15 | | Range line ∡ = 180° at Pt. "B" on Ocean Park Pier |
| 2 | Y | | 180 20 | | |
| 3 | W | | 180 20 | | |
| 4 | Y | | 180 35 | | |
| 5 | W | | 180 20 | | |
| 6 | R | 10 12 | 180 35 | | |
| 7 | Y | | 179 50 | | |
| 8 | W | | 180 15 | | |
| 9 | Y | | 180 20 | | |
| 10 | W | | 179 50 | | |
| 11 | R | 10 20 | 180 00 | | |
| 12 | Y | | 180 15 | | |
| 13 | W | | 180 00 | | |
| 14 | Y | | 180 20 | | |
| 15 | W | | 180 00 | | |
| 16 | R | 10 26 | 180 00 | | |
| 17 | Y | | 180 00 | | |
| 18 | W | | 180 00 | | |



FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 321+00 -N | N-26 | 1 | R | 9:29 | 146-10 | RANGE ~~334+35~~ (N) 334+40.5 | |
| | | 2 | | | 142-10 | | |
| | | 3 | | | 139-10 | | |
| | | 4 | | | 137-30 | | |
| | | 5 | | | 135-30 | | |
| | | 6 | | 9:37 | 133-00 | | |
| | | 7 | | | 130-35 | | |
| | | 8 | | | 127-50 | | |
| | | 9 | | | 125-50 | | |
| | | 10 | | | 123-45 | | |
| | | | R | 9:48 | 120-50 | | |
| | | | | | 119-40 | END OF LINE | |

Cut in 334+40.5 (N)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 151
No. ____ Date ____ Date 1947. Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by KLEINECK Notes D.S. Date 11-19-46
No. ____ Date ____ Date ____ Map No. ____ Indexed A. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 321+00 -N | N-26 | 1 | R | 10:01 | 12[illegible]-35 | RANGE 336+00 (N) |
| | | 2 | Y | | 12[illegible]-0 | |
| | | 3 | W | | 12[illegible]-40 | |
| | | 4 | Y | | 12[illegible] | |
| | | 5 | W | | 13[illegible] | |
| | | 6 | R | 10:12 | 13[illegible] | |
| | | 7 | Y | | 13[illegible]-0 | |
| | | 8 | W | | 13[illegible]-5 | |
| | | 9 | Y | | 13[illegible] | |
| | | 10 | W | | 137-5 | |
| | | 11 | R | 10:20 | [illegible] | |
| | | 12 | | | 141-5 | |
| | | 13 | | | 14[illegible]-0 | |
| | | 14 | Y | | 14[illegible] | |
| | | 15 | W | | 141-0 | |
| | | 16 | R | 10:26 | 14[illegible] | |
| | | 17 | Y | | 14[illegible] | |
| | | 18 | W | | 15[illegible]-5 | END OF LINE. |

Cut in 336+00 (N)

F.B. 1288 PG. 152 Job No. 8412 Division No. Notes Red Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 1947 No. X-Sec.
Survey by [illegible] Notes [illegible] Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date

Form 307 5M 5-39

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 9:28 | 15.0 16.0 | 15.3 | 3.6 | 11.7 | Range 334 ~~+35~~ 40.5 (N) |
| 2 | Y | | 16.2 - 18.2 | 16.9 | | 13.3 | Going In. |
| 3 | W | | 17.9 - 19.8 | 18.5 | | 14.9 | |
| 4 | Y | | 19.0 - 20.0 | 19.3 | | 15.7 | Started at W/y end of |
| 5 | W | | 20.0 - 21.6 | 20.5 | | 16.9 | Lick Pier |
| 6 | R | 9:36 | 21.3 - 22.4 | 21.7 | 3.5 | 18.2 | |
| 7 | Y | | 22.6 - 23.5 | 22.9 | | 19.4 | |
| 8 | W | | 23.9 - 24.9 | 24.2 | 3.4 | 20.8 | |
| 9 | Y | | 24.9 - 25.6 | 25.1 | | 21.7 | |
| 10 | W | | 26.0 - 27.0 | 26.3 | 3.3 | 23.0 | |
| 11 | R | 9:47 | 27.4 - 28.1 | 27.6 | 3.2 | 24.4 | |
| 12 | Y | | 28.0 - 29.3 | 28.4 | | 25.2 | |
| ~~13~~ | ~~W~~ | | | | | | |
| ~~14~~ | ~~Y~~ | | | | | | |
| ~~15~~ | ~~W~~ | | | | | | |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat
334+40.5 (N)

Profile No. ____ Notes Red. [illegible] Plotted H.U.M.H. Job No. 842 Division No. ____ F B 1288 PG. 153
X-Sec. No. ____ Date 1-24-47 Date 1947. Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Kleineck Notes G.O.H. Date 11/19/46
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

Form 307 5M 5-39

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

F.B. 1288 Pg. 154 | Job No. 8417 Division No. | Notes Red. 24 Date 1-24-47 | Plotted H.U.M.H. Date 1947 | Profile No. | X-Sec. No.

Survey of Redondo Beach
Survey by Hamon & Merriam
Indexed by C. Johnson Date

Notes 60H 11-19-46 Notes Chkd. Date | Checked Date

| STATION | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 10:01 | 28.2 - 29.8 | 28.7 | 3.0 | 25.7 | Range 336+00(N) Going In. |
| 2 | Y | | 27.0 - 28.5 | 27.5 | | 24.5 | |
| 3 | W | | 25.8 - 26.8 | 26.1 | " | 23.1 | |
| 4 | Y | | 25.8 - 26.1 | 25.4 | 2.9 | 22.5 | |
| 5 | W | | 23.5 - 25.2 | 24.1 | | 21.2 | |
| 6 | R | 10:11 | 23.0 - 24.0 | 23.3 | 2.8 | 20.5 | |
| 7 | Y | | 21.4 - 22.6 | 21.8 | | 19.0 | |
| 8 | W | | 20.5 - 21.5 | 20.8 | | 18.0 | |
| 9 | Y | | 19.1 - 20.7 | 19.6 | | 16.8 | |
| 10 | W | | 17.8 - 19.2 | 18.3 | | 15.5 | |
| 11 | R | 10:20 | 16.6 - 17.3 | 16.8 | 2.7 | 14.1 | |
| 12 | Y | | 15.2 - 17.0 | 15.8 | | 13.1 | |
| 13 | W | | 14.0 - 15.3 | 14.4 | | 11.7 | |
| 14 | Y | | 12.5 - 14.5 | 13.7 | | 10.5 | Boat 336+00(N) |
| 15 | W | | 11.5 - 13.6 | 12.2 | | 9.5 | |
| 16 | R | 10:26 | 10.4 - 11.7 | 10.8 | 2.6 | 8.2 | |
| 17 | Y | | 9.4 - 11.2 | 10.0 | | 7.4 | |
| 18 | W | | 8.1 - 10.0 | 8.7 | | 6.1 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

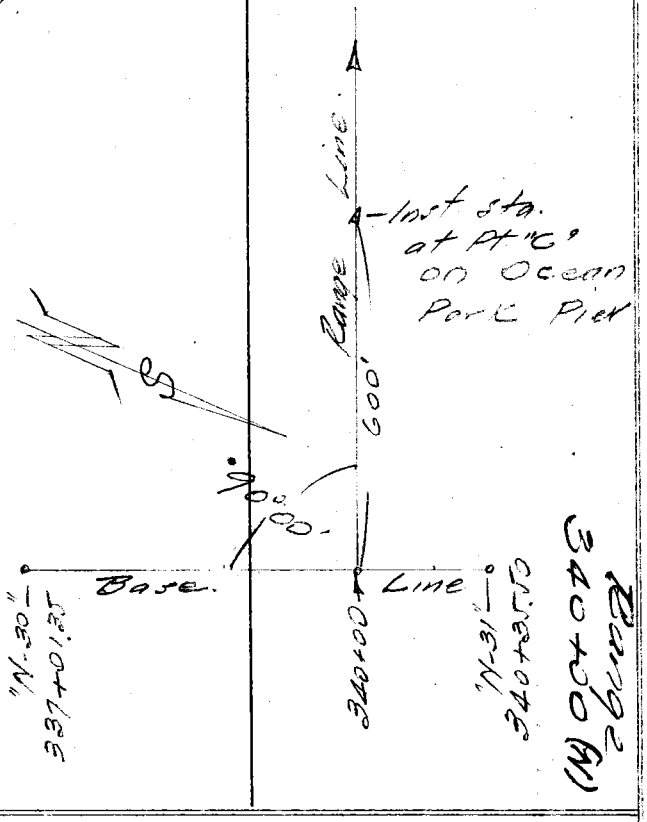
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks |
| 340+00 (N) on 600' offset | 340+00 (N) on base line | ~~1~~ | ~~R~~ | ~~11 17~~ | ~~18000~~ | Range Line ∡ = 180° at Pt "C" |
| | | 2 | Y | | 18140 | → Out |
| | | 3 | W | | 17905 | |
| | | 4 | Y | | 18030 | |
| | | 5 | W | | 17925 | |
| See sketch | | 6 | R | 11 24 | 18015 | |
| | | 7 | Y | | 17945 | |
| | | 8 | W | | 18030 | |
| | | 9 | Y | | 17950 | |
| | | 10 | W | | 18015 | |
| | | 11 | R | 11 35 | 18010 | |
| | | 12 | Y | | 18010 | |
| | | 13 | W | | 18000 | |
| | | 14 | Y | | 18020 | |
| | | 15 | W | | 18005 | |
| | | 16 | R | 11 42 | 18010 | |
| | | 17 | Y | | 18020 | |
| | | 18 | W | | 18015 | |




Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 155
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Meineck Notes GWE Date 11-19-46
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

FORM 307 5M 1-46

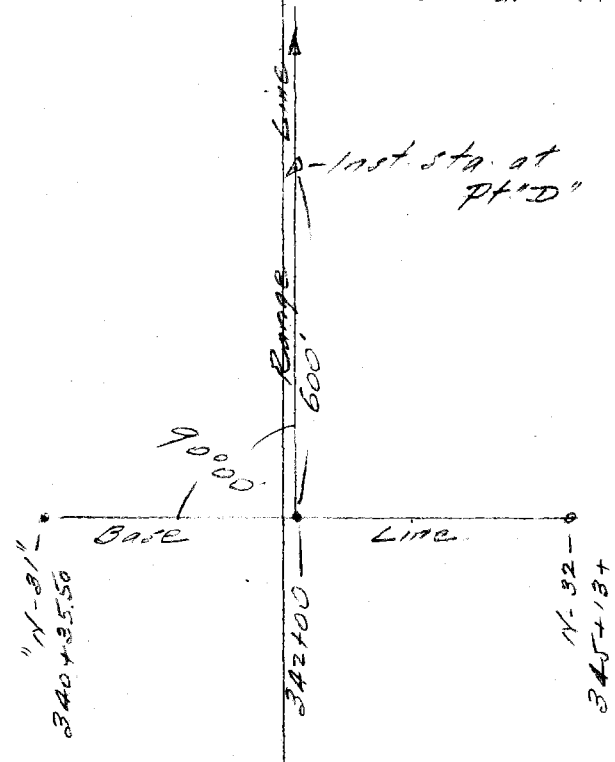
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | Remarks |
|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | |
| 342 +00 (N) | 342 +00 (N) | 1 | R | 1154 | 18[illegible] | Range Line ∡ = 180° at Pt. "D" on Ocean Park Pier. |
| on | on | 2 | Y | | 179 55 | |
| 600' | base | 3 | W | | 18[illegible] | |
| offset | line | 4 | Y | | 18[illegible] | |
| see | | 5 | W | | 18[illegible] | |
| sketch | | 6 | R | 1206 | 180[illegible]5 | |
| | | 7 | Y | | 180[illegible]0 | |
| | | 8 | W | | 17[illegible] | |
| | | 9 | Y | | 180[illegible]5 | |
| | | 10 | W | | 180[illegible]0 | |
| | | 11 | R | 1214 | 180[illegible]0 | |
| | | 12 | Y | | 180[illegible] | |
| | | 13 | W | | 181[illegible]0 | |
| | | 14 | Y | | 179[illegible]0 | |

Range 342+00(N)




F.B. 1288 PG. 156

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

Survey of Beach Erosion Date ____ Date 1947 No. ____

Survey by Meineck Notes GWK 11-19-46 Notes Chkd. ____ Checked ____ X-Sec.

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

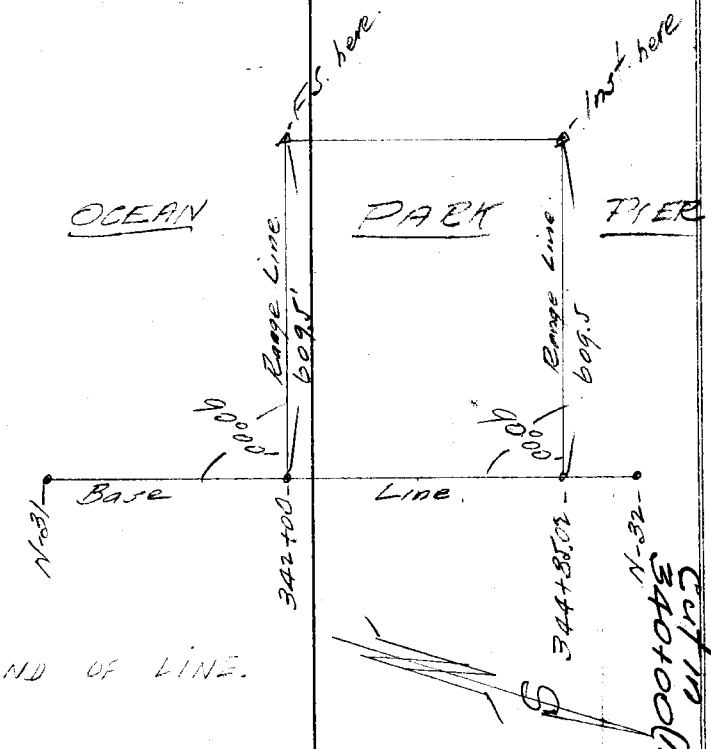
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|---|
| Inst. Sight At | On | # | Color | Time | Hor. Ang. | Remarks |
| 344+85.02 | 342+00 | 1 | R | | Out. | RANGE 340+00 Going Out |
| -N | -N | 2 | Y | | 42-05 | |
| ON | ON | 3 | W | | [illegible] | |
| 609.5' | 609.5' | 4 | Y | | [illegible] | |
| OFFSET | OFFSET | 5 | W | | 54-50 | |
| See Sketch | | 6 | R | 11:25 | 58-20 | |
| | | 7 | Y | | [illegible]-45 | |
| | | [illegible] | W | | 60-00 | |
| | | [illegible] | Y | | 60-20 | |
| | | [illegible] | W | | 62-20 | |
| | | [illegible] | R | 11:35 | 63-00 | |
| | | [illegible] | Y | | [illegible] | |
| | | [illegible] | W | | 66-00 | |
| | | [illegible] | Y | | 67-25 | |
| | | [illegible] | [illegible] | | 69-10 | |
| | | [illegible] | R | 11:42 | 70-35 | |
| | | 17 | Y | | 72-25 | |
| | | 18 | W | | 73-50 | END OF LINE. |




Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 157
No. ____ Date ____ Date 1947 Survey of REACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by KLEINECK Notes D.F. Date 11-19-46
No. ____ Date ____ Date ____ Map No. ____ Indexed 4 S. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| L+T. at Sta. 5+80 on traverse line run for locating pier sounding stations on N'ly side of Ocean Park Pier. See FB # 1216, pg 15. | L+T. at sta. 3+00 on traverse line + etc. See FB # 1216- pg. 15 | 1 | [illegible] | 11:[illegible] | [illegible] | RANGE 342+00 (N) Coming In |
| | | 2 | Y | | 1[illegible] | |
| | | 3 | W | | 19[illegible] | |
| | | 4 | Y | | 19[illegible] | |
| | | 5 | W | | 198[illegible] | |
| | | 6 | R | 12:07 | [illegible] | |
| | | 7 | Y | | 2[illegible] | |
| | | 8 | W | | 2[illegible] | |
| | | 9 | [illegible] | | 2[illegible] | |
| | | 10 | W | | 22[illegible] | |
| | | 11 | R | 12:15 | 2[illegible] | |
| | | 12 | [illegible] | | 24[illegible] | |
| | | 13 | W | | 25[illegible] | |
| | | 14 | Y | | 2[illegible] | END OF LINE. |

Cut in 342+00 (N)

F.B. 1288 Pg. 158

Job No. 2412 Division No. Notes Red Plotted H.U.M.H. Profile

Survey of BERC[illegible] Date 1947 No. X-Sec.

Survey by KLEINECK Notes D.S. [illegible] Notes Chkd. Checked No.

Indexed L. C. Johnson Date Date Date

Form 307 5M 5-39

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

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

Do not extend notes this side of this line

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| ~~1~~ | ~~R~~ | ~~11:19~~ | ~~8 - 10~~ | Out | | | Range 340+00 (N) |
| 2 | Y | | 9.2 - 11.0 | 9.8 | 1.7 | 8.1 | Going Out |
| 3 | W | | 10.0 - 12.0 | 10.7 | | 9.0 | (use 11:19 for time) HE |
| 4 | Y | | 11.0 - 13.0 | 11.7 | | 10.0 | |
| 5 | W | | 12.0 - 12.9 | 12.3 | | 10.6 | |
| 6 | R | 11:25 | 13.3 - 15.2 | 13.9 | 1.6 | 12.3 | |
| 7 | Y | | 14.3 - 17.2 | 15.3 | | 13.7 | |
| 8 | W | | 15.8 - 17.9 | 16.5 | | 14.9 | |
| 9 | Y | | 16.5 - 17.8 | 16.9 | | 15.3 | |
| 10 | W | | 18.3 - 20.2 | 18.9 | | 17.3 | |
| 11 | R | 11:34 | 19.3 - 20.4 | 19.7 | 1.5 | 18.2 | |
| 12 | Y | | 20.3 - 21.8 | 20.8 | | 19.3 | |
| 13 | W | | 21.3 - 22.9 | 21.8 | | 20.3 | |
| 14 | Y | | 22.3 - 23.3 | 22.6 | | 21.1 | |
| 15 | W | | 23.3 - 24.6 | 23.7 | | 22.2 | |
| 16 | R | 11:41 | 24.3 - 25.8 | 24.8 | 1.4 | 23.4 | |
| 17 | Y | | 25.3 - 26.3 | 25.6 | | 24.2 | |
| 18 | W | | 26.6 - 28.0 | 27.1 | | 25.7 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 340+00 (N)

Profile No. ____ Notes Red. RJ Date 1-24-47 Plotted H.U.M.H. Date 1947 Job No. 8412 Survey of Beach Erosion Survey by Kleineck Notes G.O.H. Date 11/19/46 Division No. ____

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Map No. ____ Added Johnson Date ____

F B 1288 PG. 159

Form 307 5M 5-39

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

| STATION | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 11:55 | 25.8 - 27.8 | 26.5 | 1.3 | 25.2 | Range 342+00 (N) Going In. |
| 2 | Y | | 24.7 - 26.3 | 25.2 | | 23.9 | |
| 3 | W | | 23.6 - 25.2 | 24.1 | | 22.8 | |
| 4 | Y | | 22.0 - 24.1 | 22.7 | | 21.4 | |
| 5 | W | | 20.9 - 23.2 | 21.7 | | 20.4 | |
| 6 | R | 12:07 | 19.2 - 20.2 | 19.5 | 1.2 | 18.3 | |
| 7 | Y | | 18.0 - 20.2 | 18.7 | | 17.5 | |
| 8 | W | | 16.8 - 19.2 | 17.6 | | 16.4 | |
| 9 | Y | | 15.0 - 16.0 | 15.3 | | 14.1 | |
| 10 | W | | 14.0 - 15.8 | 14.6 | | 13.4 | |
| 11 | R | 12:14 | 12.8 - 14.3 | 13.3 | 1.1 | 12.2 | |
| 12 | Y | | 11.5 - 14.3 | 12.4 | | 11.3 | |
| 13 | W | | 10.5 - 12 | 11.0 | | 9.9 | |
| 14 | Y | | 9.5 - 11.5 | 10.2 | | 9.1 | |
| ~~15~~ | ~~W~~ | | | | | | End of line |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat. 342+00 (N)

F. B. 1288 PG. 160 Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date 1-24-47 Date 1947 No.
Survey by Hewett Notes GOH 11-19-46 Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

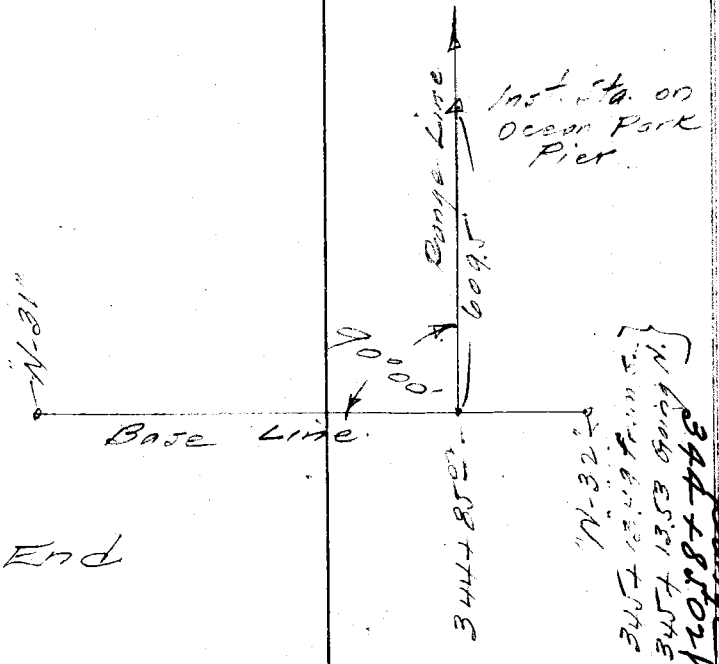
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. Sight At | On | # | Color | Time | Mor. Ang. | Remarks | |
| 344+85.02 on range line, 609.5 out from base line | 344+85.02 on base line | 1 | R | 913 | 18000 | Range Line ∡ = 180° at inst. sta. 609.5' out. F.S. on 344+85.02 at base-line | |
| | | 2 | Y | | 17955 | | |
| | | 3 | W | | 18015 | | |
| | | 4 | Y | | 18000 | | |
| | | 5 | W | | 18015 | | |
| | | 6 | R | 930 | 17955 | | |
| | | 7 | Y | | 18010 | | |
| | | 8 | W | | 18000 | | |
| | | 9 | Y | | 18050 | | |
| | | 10 | W | | 18100 | | |
| | | 11 | R | 941 | 18035 | | |
| | | 12 | Y | | 18000 | | |
| | | 13 | W | | 18100 | | |
| | | 14 | Y | | 18000 | | |
| | | 15 | W | | 17900 | | |
| | | 16 | R | 947 | 18000 | | |
| | | 17 | Y | | 18000 | End | |




Range 344+85.02 (N)
[N. along E.S.C. 1 + 54.5 = 345+85.02 + 54.5]

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 1947 Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Notes Chkd. ____ Checked ____ Date ____ Survey of Beach Erosion Survey by Kleinecke Notes GWK Date 11-21-46
Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 161

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks | |
|---|---|---|---|---|---|---|---|
| 346 +21.84 | N-32 | 1 | R | 1012 | 84 00 | Range Line ∡ = | 83°57' 13" + F.S. on "N-32" |
| | | 2 | Y | | 84 00 | | |
| | | 3 | W | | 83 50 | | |
| | | 4 | Y | | 84 15 | | |
| | | 5 | W | | 84 10 | | |
| | | 6 | R | 1018 | 84 00 | | |
| | | 7 | Y | | 84 40 | | |
| | | 8 | W | | 83 50 | | |
| | | 9 | Y | | 83 15 | | |
| | | 10 | W | | 84 00 | | |
| | | 11 | R | 1027 | 84 25 | | |
| | | 12 | Y | | 84 15 | | |
| | | 13 | W | | 83 40 | End | |

Range 346+21.84 (N)

F.B. 1288 PG. 162

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

Survey of Beach Erosion Date Date 1947 No.

Survey by Flemeck Notes GWK 11-21-46 Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. Sight At | On | # | Color | Time | Hor. Ang. | Remarks | |
| L+T. at Sta. 5+80 on traverse line + etc. | L+T at 3+00 + etc. | 1 | [illegible] | 9:13 | 201-55 | RANGE [illegible] 85.02 | |
| | | [illegible] | [illegible] | | 202-15 | | |
| | | [illegible] | [illegible] | | 204-35 | | |
| | | [illegible] | [illegible] | | 209-20 | | |
| | | [illegible] | [illegible] | | 213-05 | | |
| See pg. for range line 342+00 notes | | 6 | [illegible] | 9:3[illegible] | 218-00 | | |
| | | 7 | [illegible] | | 224-10 | | |
| | | [illegible] | [illegible] | | 23[illegible]-00 | | |
| | | [illegible] | [illegible] | | 24[illegible]-10 | | |
| | | 10 | [illegible] | | 251-00 | | |
| | | [illegible] | R | 9:41 | 255-20 | | |
| | | 12 | [illegible] | | 263-15 | | |
| | | 13 | [illegible] | | 27[illegible]-00 | | |
| | | 14 | | | 277-20 | | |
| | | [illegible] | [illegible] | | 283-20 | | |
| | | [illegible] | [illegible] | 9:47 | 286-35 | | |
| | | [illegible] | Y | | 291-50 | END OF LINE. | |

Cut in.
344+85.02 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 PG. 163
No. ____ Date ____ Date 1947 Survey of BEACH EROSION
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 11-21-46
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 164

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

Survey of BEACH EROSION Date _____ Date 1947 No. _____

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

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | Remarks |
|---|---|---|---|---|---|
| Inst. Sight At On | # | Color | Time | Hor. Ang. | |
| | | | | | Range 346 + 21.84 |

Cut in
346 + 21.84 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 9:13 | 29.0-32.0 | 30.0 | 5.0 | 25.0 | Range 344+85.02 |
| 2 | Y | | 28.0-31.8 | 29.3 | | 24.3 | Going In |
| 3 | W | | 27.0-30.2 | 28.1 | | 23.1 | |
| 4 | Y | | 26.0-30.8 | 27.6 | 4.9 | 22.7 | |
| 5 | W | | 25.2-27.3 | 25.9 | | 21.0 | |
| 6 | R | 9:30 | 23.8-26.4 | 24.7 | 4.8 | 19.9 | |
| 7 | Y | | 22.8-26.0 | 23.9 | | 19.1 | |
| 8 | W | | 21.8-23.8 | 22.5 | 4.7 | 17.8 | |
| 9 | Y | | 20.8-22.5 | 21.4 | 4.6 | 16.8 | |
| 10 | W | | 19.6-22.5 | 20.6 | 4.5 | 16.1 | |
| 11 | R | 9:40 | 18.5-22.1 | 19.7 | 4.4 | 15.3 | |
| 12 | Y | | 17.0-20.7 | 18.2 | | 13.8 | |
| 13 | W | | 15.0-17.4 | 15.8 | | 11.4 | |
| 14 | Y | | 13.5-16.2 | 14.4 | | 10.0 | |
| 15 | W | | 11.9-14.0 | 12.6 | | 8.2 | |
| 16 | R | 9:46 | 10.5-14.0 | 11.7 | 4.3 | 7.4 | |
| 17 | Y | | 9.0-11.0 | 9.7 | | 5.4 | End of Run |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat.
344+85.02 (N)

Profile
No. ____ Date 1-24-47 Notes Red SR Plotted H.U.M.H. Job No. 5412 Division No. ____
X-Sec. Date 1947 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Klieneck Notes A.C.S. Date 11/21/46
Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1288 Pg. 165

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H.I. Meas. Depth | F. S. Botom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 10:13 | 9.4-11.1 | 10.0 | 3.8 | 6.2 | Range 346+21.84 (N). |
| 2 | Y | | 12.0-15.0 | 13.0 | | 9.2 | Going Out |
| 3 | W | | 14.0-16.8 | 14.9 | | 11.1 | |
| 4 | Y | | 15.8-18.1 | 16.6 | 3.7 | 12.9 | |
| 5 | W | | 18.0-20.3 | 18.8 | | 15.1 | |
| 6 | R | 10:18 | 19.5-21.3 | 20.1 | 3.6 | 16.5 | |
| 7 | Y | | 20.4-21.8 | 20.9 | | 17.3 | |
| 8 | W | | 21.4-23.0 | 21.9 | | 18.3 | |
| 9 | Y | | 23.0-24.1 | 23.4 | | 19.8 | |
| 10 | W | | 24.4-25.8 | 24.9 | | 21.3 | |
| 11 | R | 10:27 | 25.8-27.2 | 26.3 | 3.5 | 22.8 | |
| 12 | Y | | 27.0-28.3 | 27.4 | | 23.9 | |
| 13 | W | | 28.2-29.9 | 28.8 | | 25.3 | End of Run |
| ~~14~~ | ~~Y~~ | | | | | | |
| ~~15~~ | ~~W~~ | | | | | | |
| ~~16~~ | ~~R~~ | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 346+21.84 (N)

F.B. 1288 PG. 166

Job No. 842 Division No. Notes Red. 1-27-47 Plotted H.U.M.H. Profile

Survey of Beach Erosion Date 7/3 Date 1947 No.

Survey by Kliegeck Notes A.C.S. 11/21/46 Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 348 + 73.21 | "N-32" | 1 | R | 1042 | 8400 | Range Line ∡ = 83°57'13" F.S. on "N-32" | |
| | | 2 | Y | | 8345 | | |
| | | 3 | W | | 8350 | | |
| | | 4 | Y | | 8357 | | |
| | | 5 | W | | 8340 | | |
| | | 6 | R | 1100 | 8410 | | |
| | | 7 | Y | | 8415 | | |
| | | 8 | W | | 8420 | | |
| | | 9 | Y | | 8425 | | |
| | | 10 | W | | 8310 | | |
| | | 11 | R | 1109 | 8405 | | |
| | | 12 | Y | | 8350 | | |
| | | 13 | W | | 8340 | | |
| | | 14 | Y | | 8405 | | |
| | | 15 | W | | 8350 | | |
| | | 16 | R | 1112 | 8355 | | |
| | | 17 | Y | | 8410 | | |
| | | 18 | W | | 8425 | End. | |

Range 348 + 73.21 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date 1947 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Kleinecke Notes GWK Date 11-21-46
Date ____ Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1288 PG. 167

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 351+ 24.61 | "N-32" | 1 | R | 11 25 | 84 50 | Range Line ∡ = 83°57'13" F.S. on "N-32" |
| | | 2 | Y | | 83 55 | |
| | | 3 | W | | 84 30 | |
| | | 4 | Y | | 84 10 | |
| | | 5 | W | | 84 15 | |
| | | 6 | R | 11 30 | 84 25 | |
| | | 7 | Y | | 83 55 | |
| | | 8 | W | | 84 50 | |
| | | 9 | Y | | 83 15 | |
| | | 10 | W | | 84 25 | |
| | | 11 | R | 11 40 | 84 15 | |
| | | 12 | Y | | 83 30 | |
| | | 13 | W | | 83 50 | |
| | | 14 | Y | | 83 50 | |
| | | 15 | W | | 83 55 | |
| | | 16 | R | 11 53 | 83 15 | |
| | | 17 | Y | | 82 25 | End. |

Range 351+24.61 (N)

F.B. 1288 PG. 168

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

Survey of Beach Erosion Date ____ Date 1947 No. ____

Survey by Fleinert Notes Fwk 11-21-46 Notes Chkd. ____ Checked ____ X-Sec.

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| Lt. at Sta. 348+ on pier traverse line | at 3 and pier traverse line | | | 10:42 | 204-10 | RANGE 348+ | 73.21 |
| | | | | | 205-25 | | |
| | | | | | 210-10 | | |
| | | 4 | | | 215-50 | | |
| | | | | | 221-45 | | |
| | | | | 11:00 | 230-40 | | |
| | | 7 | | | 238-05 | | |
| | | | | | 249-35 | | |
| | | | | | 257-40 | | |
| | | | | | 264-40 | | |
| | | | | 11:09 | 270-40 | | |
| | | | | | 275-05 | | |
| | | | | | 277-35 | | |
| | | | | | 28[illegible]-10 | | |
| | | | | | 283-40 | | |
| | | | R | 11:12 | 285-00 | | |
| | | 17 | Y | | 287-30 | | |
| | | 18 | W | | 288-35 | END OF LINE. | |

Cut in.
348+73.21 (N)

Profile
No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 4[illegible] Division No. ____
X-Sec. ____ Date ____ Date 1947. Survey of [illegible]
No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes D.C. Date 11-21-46
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1288 PG. 169

F.B. 1288 PG. 170 | Job No. 8412 | Division No. | Notes Red. | Plotted H.U.M.H. | Profile

Survey of Beach Erosion | Date | Date 1947 | No.

Survey by [illegible] | Notes [illegible] 11-21-46 | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnsen | Date | Date | Date | No.

Cut in
351+24.61 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | | |
|---|---|---|---|---|---|---|
| Inst. Sight At On | # | Color | Time | Hor. Ang. | | Remarks |
| 1st at 5+30 [illegible] | [illegible] | [illegible] | 11:25 | [illegible] | [illegible] | 351+24.61 |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | 11:30 | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | 11:41 | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| [illegible] | [illegible] | [illegible] | 11:53 | [illegible] | | |
| [illegible] | [illegible] | [illegible] | | [illegible] | | |
| | | | | | | End of line |

Form 307 5M 5-39

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | | 10:42 | 27.9-30.5 | 28.8 | 3.1 | 25.7 | Range 348+73.2 (N) |
| 2 | | | 27.0-29.4 | 27.8 | | 24.7 | Going In |
| 3 | | | 26.0-28.3 | 26.8 | | 23.7 | |
| 4 | | | 24.6-28.2 | 25.8 | | 22.7 | |
| 5 | | | 23.2-24.8 | 23.7 | | 20.6 | |
| 6 | | 11:00 | 22.0-24.2 | 22.7 | 2.7 | 20.0 | |
| 7 | | | 21.0-23.9 | 22.0 | | 19.3 | |
| 8 | | | 20.0-21.8 | 20.6 | | 17.9 | |
| 9 | | | 19.0-21.0 | 19.7 | | 17.0 | |
| 10 | | | 17.5-20.0 | 18.3 | | 15.6 | |
| 11 | | 11:09 | 16.5-18.4 | 17.1 | 2.5 | 14.6 | |
| 12 | | | 15.5-17.0 | 16.0 | | 13.5 | |
| 13 | | | 14.0-15.7 | 14.6 | | 12.1 | |
| 14 | Y | | 13.0-15.0 | 13.7 | | 11.2 | |
| 15 | | | 11.8-14.7 | 12.7 | | 10.2 | |
| 16 | | 11:13 | 10.8-13.9 | 11.8 | 2.4 | 9.4 | |
| 17 | | | 9.8-11.8 | 10.6 | | ~~8.4~~ 8.1 | |
| 18 | | | 8.2-10.0 | 8.8 | | 6.4 | End of Run |
| 19 | | | | | | | |
| 20 | | | | | | | |

Boat
348+73.21 (N)

Profile No. ____ Date 1-30-47 Notes Rod. Rcw Plotted H.U.M.H. Job No. 8417 Division No. ____ Survey of Beach Erosion
X-Sec. No. ____ Date 5-8-47 Notes Chkd. [illegible] Checked ____ Date ____ Survey by Klieneck Notes A.C.S. Date 11/21/46 Map No. ____ Indexed Johnson Date ____

F B 1288 PG. 171

Form 307 5M 5-39

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 11:25 | 9.5-11.0 | 10.0 | 2.7 | 7.8 | Range 351+24.61(N) |
| 2 | Y | | 11.3-14.0 | 12.2 | | 10.0 | Going Out |
| 3 | W | | 12.0-14.2 | 12.7 | | 10.5 | |
| 4 | Y | | 13.3-15.5 | 14.0 | | 11.8 | |
| 5 | W | | 14.2-16.5 | 15.0 | | 12.8 | |
| 6 | R | 11:30 | 15.1-17.2 | 15.8 | 2.1 | 13.7 | |
| 7 | Y | | 16.3-19.2 | 17.2 | | 15.1 | |
| 8 | W | | 17.2-18.8 | 17.8 | | 15.7 | |
| 9 | Y | | 18.3-20.5 | 19.0 | | 16.9 | |
| 10 | W | | 19.2-21.4 | ~~20.4~~ 19.9 | | ~~16.3~~ 17.8 | |
| 11 | R | 11:40 | 21.0-23.2 | 21.7 | 1.8 | 19.9 | |
| 12 | Y | | 22.1-24.1 | 22.8 | | 21.0 | |
| 13 | W | | 23.1-25.6 | 23.9 | | 22.1 | |
| 14 | Y | | 24.0-26.1 | 24.7 | | 22.9 | |
| 15 | | | 25.0-26.0 | 25.3 | | 23.5 | |
| 16 | R | 11:52 | 26.0-27.4 | 26.5 | 1.6 | 24.9 | Boat 351+24.61(N) |
| 17 | Y | | 26.8-28.2 | 27.3 | | 25.7 | End of Run |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

F. B. 1288 PG. 172 | Job No. 8412 | Division No. | Notes Red. LCW | Plotted H.U.M.H. | Profile
Survey of Beach Erosion | Date 1-30-47 | Date 1947 | No.
Survey by Klieneck | Notes A.C.S. 11/21/46 | Notes Chkd. [illegible] | Checked | X-Sec.
Indexed A. C. Johnson | Date | Date 5-8-47 | Date | No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 353 | "N-32" | 1 | R | 734 | 84 10 | Range line ∡ = 83°57'13" F.S. on "N-32" | |
| +76.01 | | 2 | Y | | 83 55 | | |
| | | 3 | W | | 83 57 | Note: These soundings taken on 11-22-46. "Cut in" inst. missed them because of obstruction. | |
| | | 4 | Y | | 83 57 | | |
| | | 5 | W | 743 | 83 40 | | |
| | | ~~6~~ | ~~R~~ | | out. | | |
| | | 6 ~~7~~ | Y | 1221 | 84 00 | | |
| | | 7 ~~8~~ | W | | 83 50 | | |
| | | 8 ~~9~~ | Y | | 83 40 | | |
| | | 9 ~~10~~ | W | | 84 05 | These shots taken on 11-21-46 | |
| | | 10 ~~11~~ | R | 1227 | 83 55 | | |
| | | 11 ~~12~~ | Y | | 83 55 | | |
| | | 12 ~~13~~ | W | | 84 05 | | |
| | | 13 ~~14~~ | Y | | 83 55 | | |
| | | 14 ~~15~~ | W | | 83 40 | End | |

Range 353+76.01 (N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 842 Division No. ____ F.B. 1288 Pg. 173
No. ____ Date ____ Date 1947. Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Kleinecke Notes GWK. Date 11-21-46
No. ____ Date ____ Date ____ Map No. ____ Indexed: Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 356 +27.41 | N-32 | 1 | R | 12 36 | 83 55 | Range Line ∠ = 83°57'13" F.S. on "N-32" |
| | | 2 | Y | | 84 00 | |
| | | 3 | W | | 84 00 | |
| | | 4 | Y | | 84 05 | |
| | | 5 | W | | 84 05 | |
| | | 6 | R | 12 39 | 83 05 | |
| | | 7 | Y | | 84 05 | |
| | | 8 | W | | 83 05 | |
| | | 9 | Y | | 83 55 | |
| | | 10 | W | | 84 05 | |
| | | 11 | R | 12 44 | 84 05 | |
| | | 12 | Y | | 84 00 | |
| | | 13 | W | | 84 05 | |
| | | 14 | Y | | 84 05 | |
| | | 15 | W | | 84 05 | |
| | | 16 | R | 12 54 | 83 45 | |
| | | 17 | Y | | 84 05 | |
| | | 18 | W | | 83 55 | End. |

Range 356+27.41 (N)

F.B. 1288 PG. 174

Job No. 8412 Division No. ____ Notes Red. ____ Plotted H.U.M.H. Date 1947 No. ____ Profile

Survey of Beach Erosion Date ____ X-Sec.

Survey by Hewett Notes GWK 11-21-46 Notes Chkd. ____ Checked ____ Date ____ No. ____

Indexed A. C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 346+21.74 -N | N-32 | 1 | [illegible] | 7:34 | 105-10 | RANGE 353+76.01 (N) |
| | | 2 | Y | | 106-20 | |
| | | 3 | W | | 108-20 | Note: These soundings taken on 11-22-'46. They were missed on 11-21-'46 because of obstruction. |
| | | 4 | Y | | 112-40 | |
| | | 5 | W | | 115-00 | |
| | | ~~6~~ | | | Out | |
| | | 6 | Y | 12:21 | 117-50 | |
| | | 7 | | | 124-50 | |
| | | 8 | | | 128-50 | |
| | | 9 | | | 130-55 | |
| | | 10 | [illegible] | 12:27 | 134-30 | Note: These soundings taken on 11-21-'46 |
| | | 11 | Y | | 136-50 | |
| | | 12 | W | | 138-30 | |
| | | 13 | Y | | 140-10 | |
| | | 14 | W | | 141-40 | END OF LINE |

Cut in.
353+76.01 (N)

Profile No. ____ Notes Red ____ Plotted ____ H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 PG. 175
X-Sec. No. ____ Date ____ Date 1947 Survey of BEACH EROSION
Notes Chkd ____ Checked ____ Survey by [illegible] Notes D.S. Date 11-21-46
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 356+21.84 -N | N-32 | 1 | P | 12:37 | 15[illegible]-20 | RANGE 356+27.41 (N) |
| | | 2 | Y | | 15[illegible]-10 | |
| | | 3 | W | | 148-45 | |
| | | 4 | Y | | 145-50 | |
| | | 5 | W | | 14[illegible]-15 | |
| | | 6 | P | 12:39 | 14[illegible]-50 | |
| | | 7 | Y | | 14[illegible]-[illegible]0 | |
| | | 8 | [illegible] | | 13[illegible]-[illegible] | |
| | | 9 | Y | | 13[illegible]-20 | |
| | | 10 | W | | 13[illegible]-[illegible]5 | |
| | | 11 | R | 12:45 | 13[illegible]-[illegible] | |
| | | 12 | Y | | 127-[illegible] | |
| | | 13 | W | | 12[illegible]-30 | |
| | | 14 | Y | | 1[illegible]-[illegible]5 | |
| | | 15 | W | | 11[illegible]-[illegible]5 | |
| | | 16 | R | 12:54 | 11[illegible]-15 | |
| | | 17 | Y | | 110-[illegible]5 | |
| | | 18 | W | | 109-[illegible]5 | END OF LINE. |

Cut in 356+27.41 (N)

F.B. 1288 PG. 176

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

Survey of BEACH EROSION Date Date 1947. No. X-Sec.

Survey by KLEINECK Notes D.S. 11-21-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

Profile Notes Red. Date 1-31-47 Plotted H.U.M.H. Job No. Div. Division No.
X-Sec. Notes Chkd. Date Checked Date 1947 Survey of Beach Erosion
No. Date Map No. Survey by Klipsch Notes by JOH Date 11-21-46
Tabs by Johnson Date

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | | 7:33 | 30.5-31.8 | 30.9 | 6.1 | 24.8 | Range 353+76.0(N) Going In |
| 2 | | | 29.5-31.1 | 30.0 | | 23.9 | |
| 3 | | | 28.2-30.0 | 28.8 | | 22.7 | Note: These shots |
| 4 | | | 26.8-28.1 | 27.2 | | 21.1 | taken on 11-22-'46 |
| 5 | | | 25.5-27.0 | 26.0 | | 19.9 | |
| | | | OUT | | | | |
| 6 | | 12:11 | 19.2-20.9 | 19.8 | 1.1 | 18.7 | |
| 7 | W | | 17.8-20.2 | 18.6 | | 17.5 | |
| 8 | | | 16.2-17.8 | 16.7 | | 15.6 | |
| 9 | W | | 14.9-17.0 | 15.6 | | 14.5 | Note: These shots |
| 10 | | 12:28 | 13.8-15.0 | 14.2 | 1.0 | 13.2 | taken on 11-21-'46 |
| 11 | | | 12.1-14.2 | 12.8 | | 11.8 | |
| 12 | | | 11.1-14.8 | 12.3 | | 11.3 | |
| 13 | | | 10.0-11.2 | 10.4 | | 9.4 | |
| 14 | | | 9.0-11.3 | 9.8 | | 8.8 | End of line |
| | | | | | | | Boat 353+76.0(N) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| 20 | | | | | | | |

F.B. 288 Pg. 177

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

F.B./Pg. 178 | Job No. 5412 | Division No. | Profile No. | X-Sec. No.

Survey of Beach Erosion | Notes Red. Hour | Plotted H.U.M.H.

Survey by Hughes | Notes Grid 11/2/96 | Date 1-31-47 | Checked | Date 1947

Indexed A.C. Johnson | Date | Notes Chkd. | Date 5-8-47

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 12:36 | 8.0 – 10.3 | 8.8 | 0.9 | 7.9 | Range 356 – 27.4 (N) |
| 2 | Y | | 9.2 – 11.2 | 9.9 | | 9.0 | Going Out. |
| 3 | W | | 10.0 – 13.5 | 11.2 | | 10.3 | |
| 4 | Y | | 11.0 – 13.0 | 11.7 | | 10.8 | |
| 5 | W | | 12.0 – 13.2 | 12.4 | | 11.5 | |
| 6 | R | 12:38 | 13.0 – 15.0 | 13.7 | 0.9 | 12.8 | |
| 7 | Y | | 14.1 – 15.6 | 14.6 | | 13.7 | |
| 8 | W | | 15.8 – 17.2 | 16.3 | | 15.4 | |
| 9 | Y | | 16.7 – 17.8 | 17.1 | | 16.2 | |
| 10 | W | | 17.7 – 18.9 | 18.1 | | 17.2 | |
| 11 | R | 12:45 | 18.8 – 20.3 | 19.3 | 0.8 | 18.5 | |
| 12 | Y | | 19.7 – 20.5 | 20.0 | | 19.2 | |
| 13 | W | | 20.6 – 22.8 | 21.3 | | 20.5 | |
| 14 | Y | | 21.0 – 22.0 | 21.3 | | 20.5 | |
| 15 | W | | 22.0 – 23.2 | 22.3 | | 21.5 | |
| 16 | R | 12:53 | 23. – 25.0 | 23.7 | 0.7 | 23.0 ~~22.0~~ | Boat 356 + 27.4 (N) |
| 17 | Y | | 24.5 – 26.8 | 25.3 | | 24.6 | |
| 18 | W | | 25.5 – 26.8 | 25.9 | | 25.1 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| 20 | W | | | | | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 358 | "N-32 | 1 | R | 1 07 | 83 55 | Range Line ∡ = 83°57'13" F.S. on "N-32" | |
| +78.81 | | 2 | Y | | 84 00 | | |
| | | 3 | W | | 83 40 | | |
| | | 4 | Y | | 83 40 | | |
| | | 5 | W | | 83 40 | | |
| | | 6 | R | 1 18 | 83 35 | | |
| | | 7 | Y | | 83 50 | | |
| | | 8 | W | | 83 40 | | |
| | | 9 | Y | | 83 50 | | |
| | | 10 | W | | 84 05 | | |
| | | 11 | R | 1 25 | 84 00 | | |
| | | 12 | Y | | 83 55 | | |
| | | 13 | W | | 84 05 | | |
| | | 14 | Y | | 83 35 | | |
| | | ~~15~~ | ~~W~~ | | | | |

Range
358+78.81 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 1947 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Hemeck Notes GWK Date 11-21-'4
Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1288 PG. 179

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 361 | "N-32" | 1 | R | 1 34 | 84 35 | Range Line ∡ = 83°37'13" F.S. on "N-32" |
| +30.21 | | 2 | Y | | 84 10 | |
| | | 3 | W | | 84 15 | |
| | | 4 | Y | | 84 25 | |
| | | 5 | W | | 83 40 | |
| | | 6 | R | 1 38 | 83 30 | |
| | | 7 | Y | | 84 35 | |
| | | 8 | W | | 83 55 | |
| | | 9 | Y | | 84 30 | |
| | | 10 | W | | 84 05 | |
| | | 11 | R | 1 45 | 83 40 | |
| | | 12 | Y | | 84 05 | |
| | | 13 | W | | 83 50 | |
| | | 14 | Y | | 84 00 | |
| | | 15 | W | | 83 55 | |
| | | 16 | R | 1 56 | 84 10 | |
| | | 17 | Y | | 83 50 | |

Range 361+30.21 (N)

F.B. 1288 PG. 180

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

Survey of Beach Erosion Date ____ Date 1947 X-Sec.

Survey by Kleinert Notes Gunk 11-21-46 Notes Chkd. ____ Checked ____ No. ____

Indexed L. C. Johnson Date ____ Date ____ Date ____

Profile No. _____ Notes Red _____ Plotted H. U. M. H. Job No. 8412 Division No. _____ F.B. 1288 PG. 181

X-Sec. No. _____ Date _____ Date 1947 Survey of BEACH EROSION

Notes Chkd _____ Checked _____ Survey by [illegible] Notes [illegible] Date 11-21-46

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

Cut in
358+78.81 (N)

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

| STATION | B. S. | H. I. | F. S. | ELEV. | Remarks |
|---|---|---|---|---|---|
| Inst. Sight At On # | | Color | Time | Hor. Ang. | |
| [illegible] | 1 | | 1:07 | 116-10 | CHANGE 358+78.81 |
| N-32 | 2 | | | 118-35 | |
| | 3 | | | 120-20 | |
| | 4 | | | 122-10 | |
| | 5 | | | 125-40 | |
| | 6 | | 1:18 | 130-10 | |
| | 7 | | | 138-15 | |
| | 8 | | | 142-20 | |
| | 9 | | | 145-40 | |
| | | | | 147-05 | |
| | | | 1:25 | 149-50 | |
| | | | | 151-20 | |
| | | | | 153-05 | |
| | | | | 156-10 | END OF LINE |

FORM 307 5M 1-46

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 3[illegible]2.84 -N | N-32 | 1 | [illegible] | 1:34 | 160-05 | [illegible] 361+30.21 (N) |
| | | 2 | [illegible] | | 159-20 | |
| | | 3 | W | | 15[illegible]-10 | |
| | | 4 | Y | | 15[illegible]-25 | |
| | | 5 | W | | 15[illegible]-50 | |
| | | 6 | R | 1:38 | 15[illegible]-45 | |
| | | 7 | Y | | 151-20 | |
| | | 8 | W | | 149-[illegible] | |
| | | 9 | Y | | 146-50 | |
| | | 10 | W | | 14[illegible]-00 | |
| | | 11 | R | 1:46 | 139-00 | |
| | | 12 | Y | | 135-05 | |
| | | 13 | W | | 13[illegible]-25 | |
| | | 14 | Y | | 128-30 | |
| | | 15 | W | | | |
| | | 16 | R | 1:56 | 12[illegible]-30 | |
| | | 17 | Y | | 119-50 | END OF LINE |

Cut in 361+30.21 (N)

F.B. 1288 PG. 182

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

Survey of [illegible] Date [illegible] Date 1947 No. ____

Survey by [illegible] Notes D.S. [illegible]-21-46 Notes Chkd. ____ Checked ____ X-Sec.

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

FORM 307 2M 8-48

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

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

Do not extend notes this side of this line.

Profile No. ____ Notes Red. KAWC Plotted H.U.M.H. Job No. ____ Division No. ____
X-Sec. No. ____ Date 1-31-47 Date 1947 Survey of Redondo Beach
Notes Chkd. RWM Checked ____ Survey by Klauck Notes Both Date 1/24/47
Date 5-8-47 Date ____ Map No. ____ Mrs. C. Johnson Date ____

F.B. 1288 PG. 183

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 1:07 | 25.7 - 27.0 | 26.1 ✓ | 0.5 ← | 25.6 ✓ | Range 58+78.81 (N) |
| 2 | Y | | 24.0 - 26.0 | 24.7 ✓ | | 24.2 ✓ | Going In |
| 3 | W | | 23.7 - 24.5 | 24.0 ✓ | | 23.5 ✓ | |
| 4 | Y | | 22.3 - 24.9 | 23.2 ✓ | | 22.7 ✓ | |
| 5 | W | | 20.9 - 23.0 | 21.6 ✓ | | ~~Ed.~~ | |
| 6 | R | 1:19 | 19.4 - 21.1 | 20.0 ✓ | 0.4 ← | 19.6 ✓ | |
| 7 | Y | | 17.9 - 20.0 | 18.6 ✓ | | 18.2 ✓ | |
| 8 | W | | 16.6 - 19.7 | 17.6 ✓ | | 17.2 ✓ | |
| 9 | Y | | 15.3 - 17.8 | 16.1 ✓ | | 15.7 ✓ | |
| 10 | W | | 14.0 - 16.0 | 14.7 ✓ | | 14.3 ✓ | |
| 11 | R | 1:26 | 12.8 - 15.5 | 13.7 ✓ | 0.4 ← | 13.3 ✓ | |
| 12 | Y | | 11.8 - 14.7 | 12.8 ✓ | | 12.4 ✓ | |
| 13 | W | | 10.3 - 14.1 | 11.6 ✓ | | 11.2 ✓ | |
| 14 | Y | | 8.0 - 11.2 | 9.1 ✓ | | 8.7 ✓ | End of line |
| ~~15~~ | ~~W~~ | | | | | | |
| ~~16~~ | R | | | | | | |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

Boat
358+78.81 (N)

FORM 307 2M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____

Plotted H.U.M.H. Date 1947
Checked ____ Date ____
Notes Red. Date 1-31-47
Notes Chkd. ____ Date ____

Division No. ____
Job No. 5412
Notes Topo. H. 11-24-46
Date ____

F.B. 1288 Pg. 184

Survey of Beach Erosion
Survey by U.S. Engineer
Indexed A. C. Johnson

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 1:34 | 7.7 - 10.0 | 8.5 | 0.3 | 8.2 | Range 36 I + 30.2 I (N) Going Out. |
| 2 | Y | | 8.7 - 11.0 | 9.5 | | 9.2 | |
| 3 | W | | 9.8 - 13.0 | 10.9 | | 10.6 | |
| 4 | Y | | 10.7 - 12.0 | 11.1 | | 10.8 | Rock - bottom near |
| 5 | W | | 12.4 - 13.9 | 12.9 | | 12.6 | shore 1, — 7, |
| 6 | R | 1:37 | 13.4 - 15.8 | 14.2 | 0.3 | 13.9 | |
| 7 | Y | | 14.4 - 16.2 | 15.0 | | 14.7 | |
| 8 | W | | 15.3 - 18.0 | 16.2 | | 15.9 | |
| 9 | Y | | 16.9 - 18.2 | 17.3 | | 17.0 | |
| 10 | W | | 18.0 - 20.0 | 18.7 | | 18.5 | |
| 11 | R | 1:46 | 19.2 - 20.6 | 19.8 | 0.2 | 19.3 | |
| 12 | Y | | 20.2 - 22.0 | 20.8 | | 20.6 | Boat. 36 I + 30.2 I (N) |
| 13 | W | | 21.0 22.9 | 21.6 | | 21.4 | |
| 14 | Y | | 22.0 - 24.1 | 22.7 | | 22.5 | |
| 15 | W | | 23.0 - 24.0 | 23.3 | | 23.1 | |
| 16 | R | 1:55 | 24.0 - 26.0 | 24.7 | 0.2 | 24.4 | |
| 17 | Y | | 25.0 27.0 | 25.7 | | 25.5 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 363 | N-32 | 1 | R | 7 53 | 83 45 | Range Line ∡ = 83°57'13" F.S. on "N-32" | |
| +81.61 | | 2 | Y | | 84 00 | | |
| | | 3 | W | | 84 10 | | |
| | | 4 | Y | | 84 20 | | |
| | | 5 | W | | 84 10 | | |
| | | 6 | R | 8 08 | 83 55 | | |
| | | 7 | Y | | 83 45 | | |
| | | 8 | W | | 84 15 | | |
| | | 9 | Y | | 84 10 | | |
| | | 10 | W | | 84 05 | | |
| | | 11 | R | 8 15 | 83 55 | | |
| | | 12 | Y | | 83 50 | | |
| | | 13 | W | | 83 45 | | |
| | | 14 | Y | | 83 45 | | |
| | | 15 | W | | 84 05 | | |
| | | 16 | R | 8 18 | 83 55 | | |
| | | 17 | Y | | 83 55 | | |
| | | 18 | W | | 84 00 | | |
| | | 19 | Y | | 84 10 | | |

Range
363+81.61 (N)

Profile No. ____ Notes Red ____ Plotted H. U. M. H. Job No. 8472 Division No. ____ F.B. 1288 PG. 185
X-Sec. No. ____ Date ____ Date 1947 Survey of Beach Erosion
Notes Chkd ____ Checked ____ Survey by Meineck Notes GWK Date 11-22-46
No. ____ Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

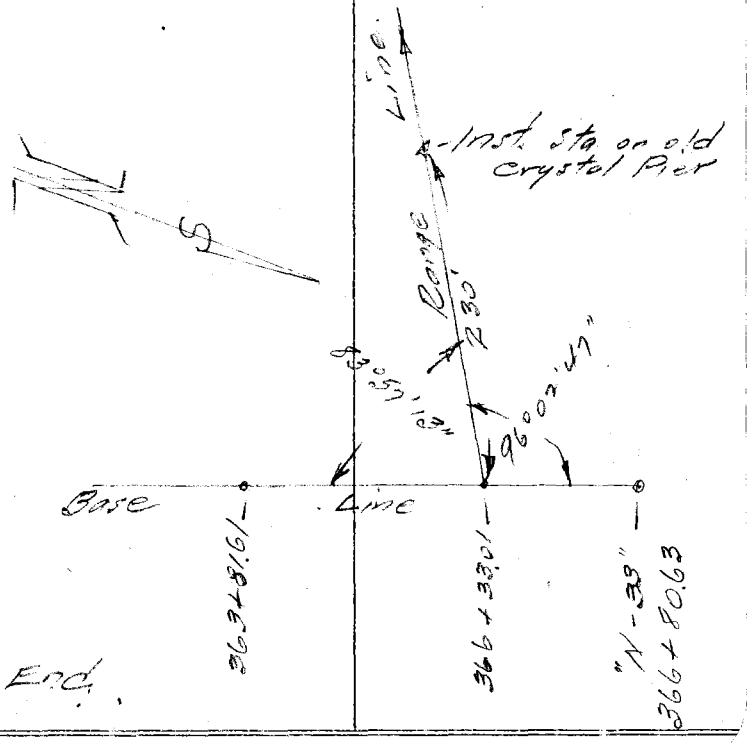
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 366 +33.01 on range line 230' out from base on old "Crystal Pier" | 366 +33.01 at base line | 1 | R | 8 35 | 180 00 | Range Line ∡ = 180° at inst. Sta. 230' out |
| | | 2 | Y | | 180 40 | |
| | | 3 | W | | 179 40 | |
| | | 4 | Y | | 179 40 | |
| | | 5 | W | | 179 40 | |
| | | 6 | R | 8 39 | 180 30 | |
| | | 7 | Y | | 179 50 | |
| | | 8 | W | | 179 25 | |
| | | 9 | Y | | 180 00 | |
| | | 10 | W | | 180 00 | |
| | | 11 | R | 8 41 | 179 40 | |
| | | 12 | Y | | 179 40 | |
| | | 13 | W | | 180 00 | |
| | | 14 | Y | | 179 45 | |
| | | 15 | W | | 179 35 | |
| | | 16 | R | 8 51 | 179 40 | |
| | | 17 | Y | | 179 55 | |
| | | 18 | W | | 180 25 | |
| | | 19 | Y | | 180 15 | End |




Range 366+33.01 (N)

F.B. 1288 Pg. 186
Job No. 8412 Division No. Notes Red. Plotted H.U.M.H. Profile
Survey of Beach Erosion Date Date 1947 No. X-Sec.
Survey by Newark Notes Gulf 11-22-46 Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 353+76.02 -N | | 1 | [illegible] | 7:54 | 110-25 | Range 353+81.61 (N) |
| | 351+24.41 -N | 2 | / | | [illegible] | |
| | | 3 | [illegible] | | 115-30 | |
| | | 4 | / | | 118-00 | |
| | | [illegible] | [illegible] | | 121-30 | |
| | | [illegible] | [illegible] | 8:0[illegible] | 128-25 | |
| | | [illegible] | / | | 131-15 | |
| | | [illegible] | [illegible] | | 135-50 | |
| | | [illegible] | / | | 140-05 | |
| | | | | | [illegible] | |
| | | | | 8:15 | 144-50 | |
| | | [illegible] | / | | 147-55 | |
| | | [illegible] | / | | 149-30 | |
| | | [illegible] | / | | 151-00 | |
| | | [illegible] | " | | 153-10 | |
| | | [illegible] | R | 8:19 | [illegible] | |
| | | 7 | Y | | 155-30 | |
| | | 17 | W | | [illegible] | |
| | | 17 | Y | | 158-30 | END OF LINE. |

Cut in 363+81.61 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 1947 Survey of [illegible]
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by [illegible] Notes D. S. Date 11-22-46
Indexed A. C. Johnson Date ____

F.B. 1288 Pg. 187

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 353+76.01 -N | | 1 | [illegible] | 8:35 | [illegible] | RANGE 366+33.01 (N) |
| | 351+24.61 -N | 2 | [illegible] | | 158 30 | |
| | | 3 | [illegible] | | [illegible] | |
| | | 4 | [illegible] | | 15[illegible] 0 | |
| | | 5 | [illegible] | | [illegible] | |
| | | | [illegible] | 8:39 | [illegible] | |
| | | 7 | [illegible] | | [illegible] | |
| | | 8 | [illegible] | | 150 [illegible] | |
| | | 9 | [illegible] | | 14[illegible] | |
| | | 10 | [illegible] | | 147 [illegible] | |
| | | 11 | [illegible] | 8:42 | 14[illegible] | |
| | | 12 | [illegible] | | 144 [illegible] | |
| | | 13 | [illegible] | | 14[illegible] | |
| | | 14 | [illegible] | | 13[illegible] | |
| | | 15 | [illegible] | | 134 [illegible] | |
| | | | [illegible] | 8:52 | 13[illegible] | |
| | | 17 | Y | | 13[illegible] | |
| | | 18 | W | | 123 0 | |
| | | 19 | Y | | 11[illegible] 0 | END OF LINE |

Cut in 366+33.01 (N)

F.B. 1288 PG. 188

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

Survey of Beach Erosion Date ____ Date 1947 No. ____

Survey by K.L.S. Notes D.S. 11-22-46 Notes Chkd. ____ Checked ____ X-Sec.

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

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | | |
|---|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks | |
| 1 | R | 7:52 | 30.8-32.0 | 31.2 | 6.2 | 25.0 | Range 363+81.61(N) | |
| 2 | Y | | 29.7-31.0 | 30.1 | | 23.9 | Going In. | |
| 3 | W | | 29.0-30.0 | 29.3 | | 23.1 | | |
| 4 | Y | | 27.8-29.0 | 28.2 | | 22.0 | | |
| 5 | W | | 26.0-27.8 | 26.6 | | 20.4 | | |
| 6 | R | 8:07 | 24.9-25.9 | 25.2 | 6.2 | 19.0 | | |
| 7 | Y | | 23.6-25.1 | 24.1 | | 17.9 | | |
| 8 | W | | 22.0-24.1 | 22.7 | | 16.5 | | |
| 9 | Y | | 20.2-21.8 | 20.7 | | 14.5 | | |
| 10 | W | | 18.5-21.0 | 19.3 | | 13.1 | | |
| 11 | R | 8:14 | 17.0-18.8 | 17.6 | 6.2 | 11.4 | | |
| 12 | Y | | 15.5-17.5 | 16.2 | | 10.0 | | |
| 13 | W | | 14.3-16.1 | 14.9 | | 8.7 | | |
| 14 | Y | | 12.6-15.0 | 13.4 | | 7.6 | | |
| 15 | W | | 11.5-12.5 | 11.8 | | 5.6 | | |
| 16 | R | 8:17 | 10.0-11.5 | 10.5 | 6.1 | 4.4 | | |
| 17 | Y | | 8.8-10.8 | 9.5 | | 3.4 | | |
| 18 | W | | 7.8-10.0 | 8.5 | | 2.4 | | |
| 19 | Y | | 6.9-8.9 | 7.6 | | 1.5 | End of line | |
| ~~20~~ | ~~W~~ | | | | | | | |

Boat.
363+81.61(N)

Profile No. ____ Notes Red. Lewis Date 1-31-47 Plotted H. U. M. H. Date 1947. Job No. 8412 Division No. ____ Survey of Beach Erosion Survey by Klainach Notes G.O.H. Date 11/22/46 Map No. ____ Indexed Johnson Date ____

X:Sec. No. ____ Notes Chkd. [illegible] Date 5-7-47 Checked ____ Date ____

F.B. 1288 Pg. 189

FORM 307 2M 8-45

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

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____
Notes Red. Date 1-31-47 Plotted H.U.M.H. Date 1947
Notes Chkd. Date 5-6-47 Checked ____ Date ____
Division No. ____ Job No. 8412
Notes Date ____
Survey of Pomeroy Estates
Survey by A. C. Johnson Date ____
Indexed ____
F.B. 1238 Pg. 190

| STATION # | Color | B. S. Time. | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 8:34 | 7.0-9.1 | 7.7 | 6.0 | 1.7 | Range 366 + 33.01 (N) Going Out. |
| 2 | Y | | 8.0-9.1 | 8.4 | | 2.4 | |
| 3 | W | | 9.0-10.5 | 9.5 | | 3.5 | |
| 4 | Y | | 10.2-12.7 | 11.0 | | 5.0 | |
| 5 | W | | 11.5-13.1 | 12.0 | | 6.0 | |
| 6 | R | 8:37 | 12.4-13.9 | 12.9 | 6.0 | 6.9 | |
| 7 | Y | | 13.9-15.8 | 14.4 | | 8.4 | |
| 8 | W | | 15.0-17.3 | 15.8 | | 9.8 | |
| 9 | Y | | 16.6-18.8 | 17.3 | | 11.3 | |
| 10 | W | | 17.9-20.1 | 18.6 | | 12.6 | |
| 11 | R | 8:41 | 19.6-21.2 | 20.1 | 6.0 | 14.1 | |
| 12 | Y | | 20.4-21.5 | 20.8 | | 14.8 | |
| 13 | W | | 22.1-23.1 | 22.4 | | 16.4 | |
| 14 | Y | | 23.2-24.8 | 23.7 | | 17.7 | |
| 15 | W | | 24.4-25.2 | 24.7 | | 18.7 | |
| 16 | R | 8:50 | 25.6-26.7 | 26.0 | 5.9 | 20.1 | Boat 366 + 33.01 (N) |
| 17 | Y | | 27.0-28.3 | 27.4 | | 21.5 | |
| 18 | W | | 28.0-29.1 | 28.4 | | 22.5 | |
| 19 | Y | | 29.5-30.8 | 29.9 | | 24.0 | End of line |
| 20 | | | | | | | |

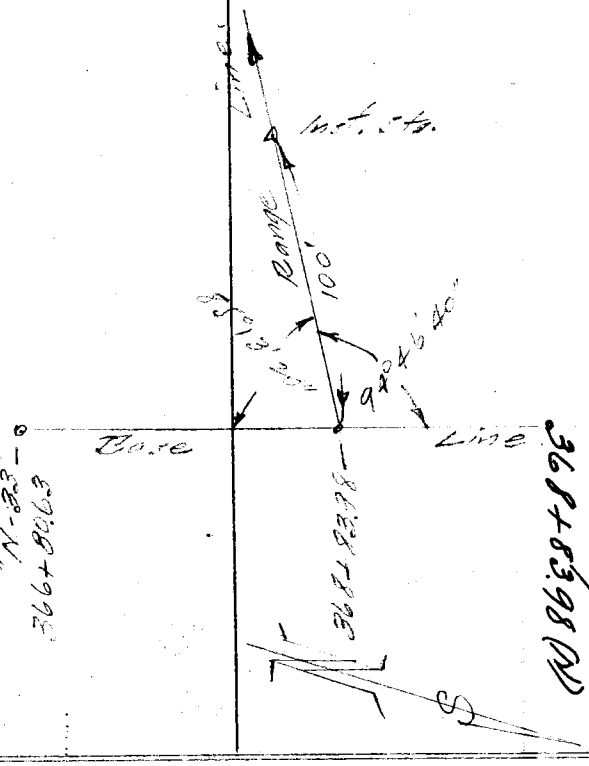
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks |
| 368 +83.98 | 368 +83.98 | 1 | R | 923 | 179 55 | Range Line ∡ = 180° at inst. Sta. 100' out on range line. |
| 100' out on range line | at base line | 2 | Y | | 179 40 | |
| | | 3 | W | | 179 40 | |
| | | 4 | Y | | 179 55 | |
| | | 5 | W | | 179 40 | |
| | | 6 | R | 936 | 179 45 | |
| | | 7 | Y | | 180 05 | |
| | | 8 | W | | 180 00 | |
| | | 9 | Y | | 180 00 | |
| | | 10 | W | | 179 55 | |
| | | 11 | R | 940 | 179 50 | |
| | | 12 | Y | | 180 00 | |
| | | 13 | W | | 179 25 | |
| | | 14 | Y | | 180 05 | |
| | | 15 | W | | 180 05 | |
| | | 16 | R | 943 | 180 00 | |
| | | 17 | Y | | 179 40 | End |




Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 1947 Survey of Beach Erosion
No. ____ Notes Chkd ____ Checked ____ Survey by Kleinecke Notes G.W.K. Date 11-22-46
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 191

FORM 307 5M 1-46

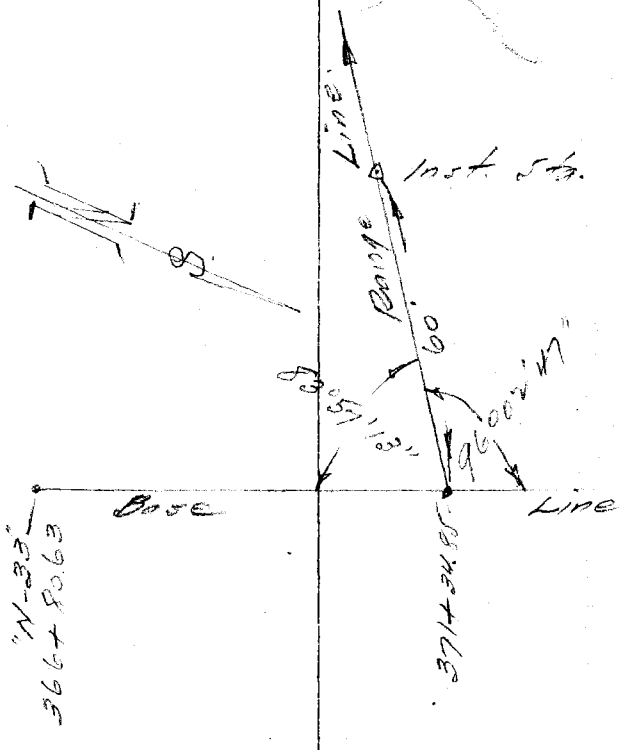
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 371 | 371 | 1 | R | 9 50 | 180 [illegible] | Range Line ∡ = 180° at inst. sta. 60' |
| +34.85 | +34.85 | 2 | Y | | 180 30 | out on range line. |
| 60' | at | 3 | W | | 179 45 | |
| out | base | 4 | Y | | 180 30 | |
| on | line | 5 | W | | 180 [illegible] | |
| range | | 6 | R | 9 56 | 18[illegible] | |
| line | | 7 | Y | | 180 05 | |
| | | 8 | W | | 179 55 | |
| | | 9 | Y | | 180 15 | |
| | | 10 | W | | 18[illegible] | |
| | | 11 | R | 10 04 | 179 [illegible] | |
| | | 12 | Y | | 179 [illegible] | |
| | | 13 | W | | 18[illegible] | |
| | | 14 | Y | | 180 [illegible] | |
| | | 15 | W | | 180 [illegible] | |
| | | 16 | R | 10 18 | 18[illegible] | |
| | | 17 | Y | | 180 25 | |
| | | 18 | W | | 180 05 | |
| | | 19 | Y | | 180 05 | |

Range 371+34.85 (N)




F.B. 1288 PG. 192

Job No. 8412 Division No. Notes Red Date Plotted H.U.M.H. Date 1947 No. Profile

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

Survey by Kleinock Notes Built 11-22-46 Date No.

Indexed L. C. Johnson Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 378+87.48 -N | 376 +36.59 (N) | 1 | R | 9:22 | 59-30 | [illegible] 368+83.98 (N) |
| | | 2 | Y | | 56-30 | |
| | | 3 | W | | 54-00 | |
| | | 4 | Y | | 48-10 | |
| | | 5 | W | | 45-35 | |
| | | 6 | R | 9:37 | 41-30 | |
| | | 7 | Y | | 37-20 | |
| | | 8 | W | | 36-00 | |
| | | 9 | Y | | 34-30 | |
| | | 10 | W | | 33-45 | |
| | | 11 | R | 9:41 | 32-15 | |
| | | 12 | Y | | 31-45 | |
| | | 13 | W | | 30-05 | |
| | | 14 | Y | | 28-40 | |
| | | 15 | W | | 27-05 | |
| | | 16 | R | 9:44 | 25-05 | |
| | | 17 | Y | | 22-50 | END OF LINE |

Cut in
368+83.98 (N)

Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 193
X-Sec. No. ____ Date ____ Date 1947. Survey of BENCH ERECTION
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes D.C. Date 11-22-46
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 194

Job No. 2412 Division No. _____ Notes Red. _____ Plotted H. U. M. H. Profile

Survey of BEACH EROSION Date _____ Date 1947 No. _____

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

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | | Remarks |
|---|---|---|---|---|---|---|
| Inst. Sight At On | # | Color | Time | Hor. Ang. | | |
| 378+87 46 N | 1 | N | 1:[illegible] | 2-[illegible] | RANGE | 371+34.85 (N) |
| 37+35 N | 2 | Y | | [illegible] | | |
| | 3 | W | | 30-[illegible] | | |
| | 4 | Y | | 3[illegible] | | |
| | 5 | [illegible] | | 34-[illegible] | | |
| | 6 | [illegible] | 7:50 | 3[illegible] | | |
| | 7 | [illegible] | | 37-[illegible] | | |
| | 8 | [illegible] | | 37-[illegible] | | |
| | 9 | Y | | [illegible] | | |
| | 10 | [illegible] | | 4[illegible] | | |
| | 11 | [illegible] | 10:[illegible] | 4[illegible] | | |
| | 12 | [illegible] | | [illegible] | | |
| | 13 | [illegible] | | 4[illegible] | | |
| | 14 | [illegible] | | 53-[illegible] | | |
| | 15 | [illegible] | | 55-25 | | |
| | 16 | [illegible] | 10:18 | 61-30 | | |
| | 17 | Y | | 63-10 | | |
| | 18 | W | | 65-[illegible] | | |
| | 19 | Y | | 66-15 | | |

END OF LINE.

Cut in
371+34.85 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Botom | ELEV. Ht Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 9:23 | 29.8-30.6 | 30.1 | 5.5 | 24.6 | Range 368+8398(N) |
| 2 | Y | | 28.5-29.9 | 29.0 | | 23.5 | Going In. |
| 3 | W | | 27.1-28.8 | 27.7 | | 22.2 | |
| 4 | Y | | 25.4-26.8 | 25.9 | | 20.4 | |
| 5 | W | | 23.9-24.6 | 24.1 | | 18.6 | |
| 6 | R | 9:35 | 22.1-23.5 | 22.6 | 5.3 | 17.3 | |
| 7 | Y | | 20.8-21.6 | 21.1 | | 15.8 | |
| 8 | W | | 19.0-21.0 | 19.7 | | 14.4 | |
| 9 | Y | | 17.8-19.1 | 18.2 | | 12.9 | |
| 10 | W | | 16.5-18.0 | 17.0 | | 11.7 | |
| 11 | R | 9:39 | 15.0-16.8 | 15.6 | 5.3 | 10.3 | |
| 12 | Y | | 13.8-15.0 | 14.2 | | 8.9 | |
| 13 | W | | 12.5-14.0 | 13.0 | | 7.7 | |
| 14 | Y | | 11.0-13.0 | 11.6 | | 6.3 | |
| 15 | W | | 9.3-11.0 | 9.9 | | 4.6 | |
| 16 | R | 9:43 | 8.1-9.7 | 8.6 | 5.2 | 3.4 | |
| 17 | Y | | 6.5-9.0 | 7.3 | | 2.1 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat
368+8398(N)

Profile No. ____ Notes Red Lewis Plotted H. U. M. H. Job No. Pury Division No. ____ F.B. 1288 Pg. 195
X-Sec. No. ____ Date 1-31-47 Date 1947 Survey of Beach Erosion
Notes Chkd. [illegible] Checked ____ Survey by Klaineck Notes G.O.H. Date 11/22/46
Date 5-8-47 Date ____ Map No. ____ Indexed S. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Botom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 9:49 | 5.8 - 7.8 | 6.5 | 5.1 | 1.4 | Range 371+34.85 (N) |
| 2 | Y | | 6.8 - 7.8 | 7.1 | | 2.0 | Going Out |
| 3 | W | | 8.0 - 9.8 | 8.6 | | 3.5 | |
| 4 | Y | | 10.0 - 11.3 | 10.4 | | 5.3 | |
| 5 | W | | 11.3 - 12.8 | 11.8 | | 6.7 | |
| 6 | R | 9:55 | 13.0 - 14.0 | 13.3 | 5.0 | 8.3 | |
| 7 | Y | | 14.3 - 15.5 | 14.7 | | 9.7 | |
| 8 | W | | 16.0 - 17.0 | 16.3 | | 11.3 | |
| 9 | Y | | 17.2 - 18.3 | 17.6 | | 12.6 | |
| 10 | W | | 18.9 - 20.3 | 19.4 | | 14.4 | |
| 11 | R | 10:04 | 20.2 - 21.2 | 20.5 | 4.8 | 15.7 | |
| 12 | Y | | 21.2 - 22.5 | 21.6 | | 16.8 | |
| 13 | W | | 22.5 - 23.3 | 22.8 | | 18.0 | |
| 14 | Y | | 24.0 - 25.5 | 24.5 | | 19.7 | |
| 15 | W | | 25.0 - 26.1 | 25.4 | | 20.6 | |
| 16 | R | 10:17 | 26.0 - 27.3 | 26.4 | 4.5 | 21.9 | |
| 17 | Y | | 27.0 - 28.0 | 27.3 | | 22.8 | |
| 18 | W | | 28.3 - 29.2 | 28.6 | | 24.1 | |
| 19 | Y | | 28.9 - 29.8 | 29.2 | | 24.7 | End of line |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 371+34.85

F.B. 1288 PG. 196

Profile

Survey of Beach Erosion Job No. 8417 Division No. Notes Red. RCW Plotted H. U. M. H. No.

Survey by Nemeck Notes GOH 11-22-46 Date 1-31-47 Date 1947 X-Sec.

Indexed A. C. Johnson Date Notes Chkd. Checked Date 5-10-47 Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 373 | N-33 | 1 | R | 1039 | 85 13 | Range [illegible] 4 = 85°13'20" | F.S. on N-33" |
| +85.72 | | 2 | Y | | 85 20 | | |
| | | 3 | W | | [illegible] | | |
| | | 4 | Y | | [illegible] | | |
| | | 5 | [illegible] | | [illegible] | | |
| | | 6 | Y | 1054 | [illegible] | | |
| | | 7 | Y | | 85 15 | | |
| | | 8 | W | | 85 05 | | |
| | | 9 | Y | | 85 20 | | |
| | | 10 | W | | 85 10 | | |
| | | 11 | R | 1101 | 85 30 | | |
| | | 12 | Y | | 85 00 | | |
| | | 13 | W | | 84 40 | | |
| | | 14 | Y | | 85 40 | | |
| | | 15 | W | | 85 40 | | |
| | | 16 | R | 1105 | 85 25 | | |
| | | 17 | Y | | 85 25 | End. | |

Range 373+85.72(N)

Profile Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 197
No. ____ Date ____ Date 1947. Survey of Beach Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Hlemeck Notes Cmw Date 11-22-46
No. ____ Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 376 | "N-33" | 1 | R | 11 10 | 85 15 | Range Line ∡ = 85°13'20" F.S. on "N-33" | |
| +36.59 | | 2 | Y | | 85 15 | | |
| | | 3 | W | | 85 15 | | |
| | | 4 | Y | | 84 50 | | |
| | | 5 | W | | 85 15 | | |
| | | 6 | R | 11 13 | 85 15 | | |
| | | 7 | Y | | 85 20 | | |
| | | 8 | W | | 85 25 | | |
| | | 9 | Y | | 85 15 | | |
| | | 10 | W | | 85 15 | | |
| | | 11 | R | 11 24 | 85 25 | | |
| | | 12 | Y | | 85 15 | | |
| | | 13 | W | | 85 15 | | |
| | | 14 | Y | | 85 15 | | |
| | | 15 | W | | 84 45 | | |
| | | 16 | R | 11 41 | 85 15 | | |
| | | 17 | Y | | 85 20 | | |
| | | 18 | W | | 83 15 | | |
| | | 19 | R | 11 51 | 84 55 | End | |

Range 376 + 36.59 (N)

F.B. 1288 PG. 198

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

Survey of Beach Erosion Date Date 1947. No. X-Sec.

Survey by Mainard Notes GWK 11-22-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date

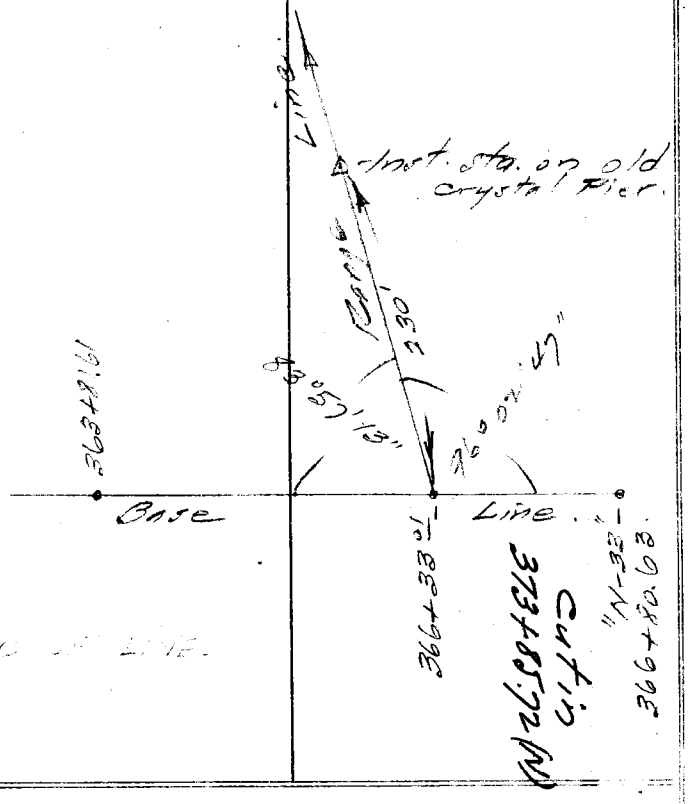
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 366+33.01 -N ON 230' OFFSET | 366+33.01 -N on base line | 1 | [illegible] | 10:40 | 203-00 | RANGE 373+85.72 (N) |
| | | 2 | Y | | 206-50 | |
| | | 3 | W | | 211-55 | |
| | | 4 | [illegible] | | 220-05 | |
| See SHEET A | | 5 | W | | 223-15 | |
| | | 6 | R | 10:54 | 228-55 | |
| | | 7 | [illegible] | | 233-20 | |
| | | 8 | [illegible] | | 237-20 | |
| | | 9 | [illegible] | | 240-55 | |
| | | 10 | [illegible] | | 243-30 | |
| | | 11 | R | 11:02 | 247-30 | |
| | | 12 | Y | | 249-05 | |
| | | 13 | W | | 251-00 | |
| | | 14 | Y | | 253-50 | |
| | | 15 | W | | 256-00 | |
| | | 16 | R | 11:05 | 258-00 | |
| | | 17 | Y | | 259-35 | END OF LINE. |




Profile No. ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 Pg. 199

X-Sec. No. ____ Date ____ Date 1947 Survey of BEACH EROSION

Notes Chkd. ____ Checked ____ Survey by [illegible] Notes D.S. Date 11-22-46

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

F.B. 1288 Pg. 200 | Job No. 842 | Division No. | Notes Red. | Plotted H. U. M. H. | Profile

Survey of BEACH EROSION | Date | Date 1947. | No.

Survey by E. C. Johnson Notes D. S. 11-22-46 | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B. S. | H. I. | F. S. | ELEV. | Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| Inst. Sight At | # | Color | Time | | | |
| Cut in 376+36.59(N) | | | | | | See sketch on preceding pg. |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 10:39 | 28.2-29.3 | 28.6 | 4.0 | 24.6 | Range 373+85.72 (N) |
| 2 | Y | | 26.3-28.0 | 26.9 | | 22.9 | Going Out. |
| 3 | W | | 25.0-26.8 | 25.6 | | 21.6 | |
| 4 | Y | | 23.8-25.9 | 24.5 | | 20.5 | |
| 5 | W | | 22.8-24.0 | 23.2 | | 19.2 | |
| 6 | R | 10:54 | 21.8-23.8 | 22.5 | 3.6 | 18.9 | |
| 7 | Y | | 20.1-22.0 | 20.7 | | 17.1 | |
| 8 | W | | 18.0-19.0 | 18.3 | | 14.7 | |
| 9 | Y | | 17.0-18.2 | 17.4 | | 13.8 | |
| 10 | W | | 16.0-16.8 | 16.3 | | 12.7 | |
| 11 | R | 11:01 | 14.8-16.3 | 15.3 | 3.5 | 11.8 | |
| 12 | Y | | 13.2-14.3 | 13.6 | | 10.1 | |
| 13 | W | | 11.5-14.7 | 12.6 | | 9.1 | |
| 14 | Y | | 9.8-11.9 | 10.5 | | 7.0 | |
| 15 | W | | 8.2-9.5 | 8.6 | | 5.1 | |
| 16 | R | 11:04 | 7.0-9.2 | 7.7 | 3.4 | 4.3 | |
| 17 | Y | | 6.0-7.8 | 6.6 | | 3.2 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat
373+85.72 (N)

Profile
No. ____ Date 1-31-47 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. [illegible] Checked ____ Survey by Kleineck Notes G.O.H. Date 11/22/46
No. ____ Date 5-10-47 Date ____ Map No. ____ Indexed ____ Date ____

Notes Red. Lour. Plotted H.U.M.H. Job No. 6412 Division No. ____
F.B. 1288 Pg. 201

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 288 Pg. 202 Job No. 2117 Division No. Profile No. X-Sec. No.
Survey of Rancho Sespe
Survey by Meuser & Johnson Notes Red Lewis Plotted H.U.M.H. Date 1947
Indexed Date Notes Chkd. Checked Date 5-10-47

| STATION # | Color | B. S. Time | Meas. Depth | F. S. Botom | ELEV. Ft. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 11:09 | 5.0 - 6.2 | 5.4 | 3.3 | 2.1 | Range 376 + 36.59 (N) Going Out. |
| 2 | Y | | 6.0 - 8.0 | 6.7 | | 3.4 | |
| 3 | W | | 7.0 - 8.1 | 7.4 | | 4.1 | |
| 4 | Y | | 8.3 - 10.1 | 8.9 | 3.2 | 5.7 | |
| 5 | W | | 10.0 - 11.9 | 10.6 | | 7.4 | |
| 6 | R | 11:15 | 11.2 - 12.7 | 11.7 | 3.1 | 8.6 | |
| 7 | Y | | 12.9 - 14.8 | 13.5 | | 10.4 | |
| 8 | W | | 14.0 - 16.1 | 14.7 | 3.0 | 11.7 | |
| 9 | Y | | 15.7 - 17.9 | 16.4 | | 13.4 | |
| 10 | W | | 17.8 - 19.0 | 18.2 | 2.9 | 15.3 | |
| 11 | R | 11:25 | 19.0 - 20.1 | 19.4 | 2.8 | 16.6 | |
| 12 | Y | | 20.0 - 21.5 | 20.5 | | 17.7 | |
| 13 | W | | 21.0 - 22.0 | 21.3 | 2.7 | 18.6 | |
| 14 | Y | | 22.0 - 22.8 | 22.3 | | 19.6 | |
| 15 | W | | 23.0 - 23.8 | 23.3 | 2.6 | 20.7 | |
| 16 | R | 11:40 | 24.4 - 25.5 | 24.8 | 2.5 | 22.3 | Boat at 376 + 36.59 (N) |
| 17 | Y | | 25.4 - 26.4 | 25.7 | 2.4 | 23.3 | |
| 18 | W | | 26.6 - 27.3 | 26.8 | 2.3 | 24.5 | |
| 19 | R | 11:52 | 27.0 - 28.0 | 27.3 | 2.2 | 25.1 | End of line |
| ~~20~~ | ~~W~~ | | | | | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 378 | N-33 | 1 | R | 1205 | 85 30 | Range Line ∡ = 85°13'20" F.S. on "N-32" | |
| +87.46 | | 2 | Y | | 85 35 | | |
| | | 3 | W | | 85 20 | | |
| | | 4 | Y | | 84 45 | | |
| | | 5 | W | | 85 [illegible] | | |
| | | 6 | R | 1216 | 85 25 | | |
| | | 7 | Y | | 85 [illegible] | | |
| | | 8 | W | | 85 [illegible] | | |
| | | 9 | Y | | 84 55 | | |
| | | 10 | W | | 84 [illegible] | | |
| | | 11 | R | 1224 | 85 15 | | |
| | | 12 | Y | | 84 45 | | |
| | | 13 | W | | 85 [illegible] | | |
| | | 14 | Y | | 85 [illegible] | | |
| | | 15 | W | | 85 15 | | |
| | | 16 | R | 1227 | 85 15 | | |
| | | 17 | Y | | 85 15 | End | |

Range.
378+87.46 (N)

Profile
Notes Red ____ Plotted U.M.H. Job No. 8412 Division No. ____
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Kleinecke Notes Gulk Date 11-22-46
No. ____ Date ____ Date ____ Map No. ____ Indexed A.C. Johnson Date ____

F.B. J2888 Pg. 203

FORM 307 5M 1-46

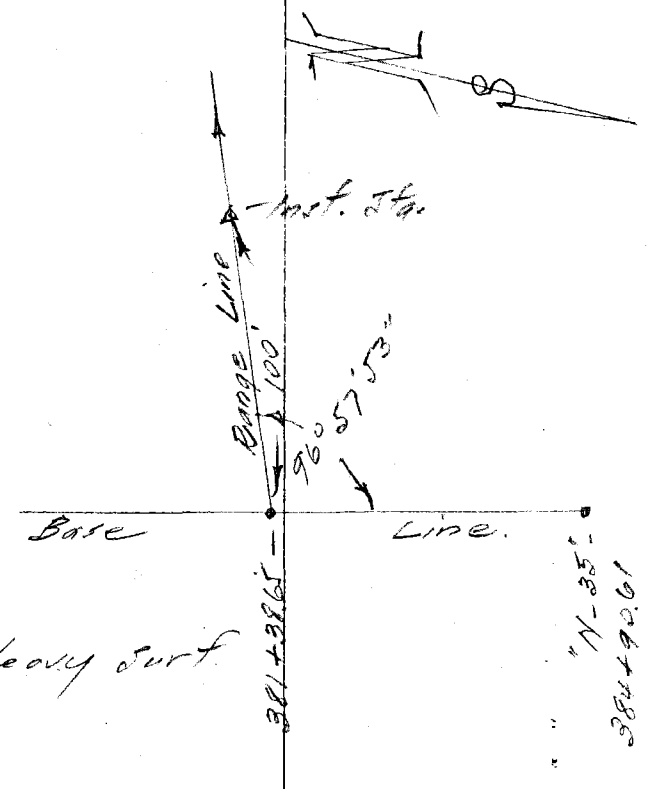
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 381 +38.65 | 381 +38.65 | 1 | R | 10 50 | 179 50 | Range line ∡ = 180° at inst. sta. |
| 100' out on range line | at base line | 2 | Y | | 180 10 | |
| | | 3 | W | | 179 50 | |
| | | 4 | Y | | 180 05 | |
| | | 5 | W | | 180 25 | |
| | | 6 | R | 11 05 | 180 20 | |
| | | 7 | Y | | 180 30 | |
| | | 8 | W | | 179 50 | |
| | | 9 | Y | | 179 55 | |
| | | 10 | W | | 180 15 | |
| | | 11 | R | 11 13 | 180 40 | |
| | | 12 | Y | | 180 15 | |
| | | 13 | W | | 180 25 | |
| | | 14 | Y | | 180 35 | |
| | | 15 | W | | 180 00 | |
| | | 16 | R | 11 15 | 180 25 | |
| | | 17 | Y | | 180 35 | - Heavy surf |

Range 381+38.65 (W)




F.B. 1288 PG. 204

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Fleming Notes Gulk 11-25-46 Notes Chkd. Checked No.

Indexed L. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 286-33 | 66+33 | | | 12:05 | [illegible] | RANGE 378+87.46 (N) |
| [illegible] | -11 | | | | 21[illegible] | |
| [illegible] | on | | | | 22[illegible] | |
| [illegible] | base | | | | 22[illegible] | |
| [illegible] | line | | | | [illegible] | |
| | | | | 12:[illegible] | 23[illegible] | |
| | | | | | 24[illegible] | |
| | | | | | 247[illegible] | |
| | | | | | [illegible] | |
| | | | | | 25[illegible] | |
| | | | | 12:24 | 255-10 | |
| | | | | | 257-10 | |
| | | | | | 260-40 | |
| | | | | | 261-20 | |
| | | | | | 262-40 | |
| | | | | 12:27 | 263-10 | |
| | | | | | 26[illegible]-15 | END OF LINE. |

See sketch on pg. for range line 373+85.72

Cut in 378+87.46 (N)

Profile
No. ____ Date ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 1947. Survey of [illegible]
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1288 Pg. 205

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 366+33.04 -N ON 230' OFFSET | 366+33.04 -N ON BASE LINE | 1 | | 10:48 | 220-[illegible] | RANGE 381-38.65 (N) |
| | | 2 | | | 224-[illegible] | |
| | | 3 | | | 227-50 | |
| | | 4 | | | 230-[illegible] | |
| | | 5 | | | 235-40 | |
| | | 6 | | 11:07 | 242-10 | |
| | | 7 | | | 24[illegible] | |
| | | 8 | | | 250-[illegible] | |
| | | 9 | | | 256-05 | |
| | | | | | 258-[illegible] | |
| | | | | 11:15 | 260-[illegible] | |
| | | | | | 261-[illegible] | |
| | | | | | 262-15 | |
| | | | | | 262-[illegible] | |
| | | | | | 26[illegible]-50 | |
| | | | | 11:17 | 265-00 | |
| | | 17 | Y | | 265-[illegible] | END OF LINE. |

Cut in 381+38.65 (N)

F.B. 1288 PG. 206

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

Survey of BEACH ELEVATION Date ____ Date 1947 No. ____

Survey by [illegible] Notes D.S. 11-25-46 Notes Chkd ____ Checked ____ X-Sec. ____

Indexed ____ Date ____ Date ____ Date ____ No. ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____ Notes Red 843 Date 1-31-47 Notes Chkd. Kaul Date 5-12-47 Plotted H.U.M.H. Date 12/47 Checked ____ Date ____ Job No. 5417 Survey of Beach Survey by Mr. [illegible] Map No. ____ Division No. ____ Notes by E.G. Date 11-22-46 Indexed A.C. Johnson Date ____

F.B. 1288 Pg. 207

| STATION # | Color | Time | H.I. Meas. Depth | F.S. Bottom | ELEV. Diff. for elev. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 12:05 | 26.8-28.0 | 27.2 | 2.0 | 25.2 | Range 378+87.46(N) |
| 2 | Y | | 25.8-27.3 | 26.3 | | 24.3 | Going In |
| 3 | W | | 24.9-26.0 | 25.3 | | 23.3 | |
| 4 | Y | | 23.8-24.9 | 24.2 | | 22.2 | |
| 5 | W | | 22.2-23.9 | 22.8 | | 20.8 | |
| 6 | R | 12:16 | 21.0-22.3 | 21.4 | 1.8 | 19.6 | |
| 7 | Y | | 19.9-21.2 | 20.3 | | 18.5 | |
| 8 | W | | 19.0-20.1 | 19.4 | | 17.6 | |
| 9 | Y | | 18.0-19.0 | 18.3 | | 16.5 | |
| 10 | W | | 16.5-18.0 | 17.0 | | 15.2 | |
| 11 | R | 12:24 | 14.9-16.3 | 15.4 | 1.6 | 13.8 | |
| 12 | Y | | 13.0-14.0 | 13.3 | | 11.7 | |
| 13 | W | | 11.0-12.8 | 11.6 | | 10.0 | |
| 14 | Y | | 9.5-11.8 | ~~9.8~~ | 10.3 | ~~8.5~~ 8.7 | |
| 15 | W | | 8.3-10.0 | 8.9 | | 7.3 | |
| 16 | R | 12:27 | 7.0-8.0 | 7.3 | 1.6 | 5.7 | |
| 17 | Y | | 6.0-7.0 | 6.3 | | 4.7 | End of Run |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat

378+87.46 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 128 Pg. 208 Job No. 8412 Division No. Profile X-Sec.
Survey of Seaward Extension
Survey by Fleuret & Notes Plotted H.U.M.H. No.
Indexed A. C. Johnson Date Notes Red. MB Date 1-31-47 No.
Notes Chkd. Date 5-14-47 Checked Date

| STATION # | Color | B. S. Time | Meas. Depth | F. S. Botom | Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 10:49 | 29.5 - 30.5 | 29.8 | 5.3 | 24.5 | Range 381 + 38.65 (N) Going In |
| 2 | Y | | 28.4 - 30.2 | 29.0 | | 23.7 | |
| 3 | W | | 27.0 - 28.6 | 27.5 | 5.2 | 22.3 | |
| 4 | Y | | 26.1 - 28.0 | 26.7 | | 21.5 | |
| 5 | W | | 25.0 - 26.8 | 25.6 | 5.1 | 20.5 | |
| 6 | R | 11:04 | 24.0 - 25.1 | 24.4 | 5.0 | 19.4 | |
| 7 | Y | | 23.0 - 25.7 | 23.9 | | 18.9 | |
| 8 | W | | 21.5 - 24.0 | 22.3 | | 17.3 | |
| 9 | Y | | 19.8 - 22.0 | 20.5 | | 15.5 | |
| 10 | W | | 18.5 - 21.0 | 19.3 | | 14.3 | |
| 11 | R | 11:11 | 17.0 - 18.3 | 17.4 | 4.9 | 12.5 | Boat 381 + 38.65 (N) |
| 12 | Y | | 15.5 - 16.8 | 15.9 | | 11.0 | |
| 13 | W | | 14.3 - 16.0 | 14.9 | | 10.0 | |
| 14 | Y | | 13.4 - 15.5 | 14.1 | | 9.2 | |
| 15 | W | | 11.2 - 14.0 | 12.1 | | 7.2 | |
| 16 | R | 11:15 | 10.0 - 11.2 | 10.4 | 4.8 | 5.6 | |
| 17 | Y | | 8.8 - 11.2 | 9.6 | | 4.8 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

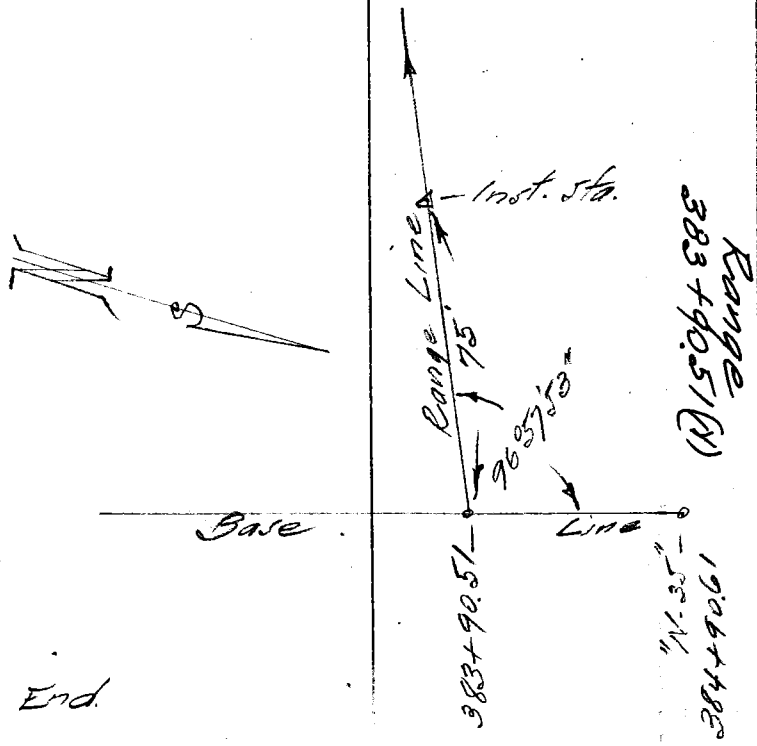
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 383 | 383 | 1 | R | 11 25 | 18000 | Range Line ∡ - 180° at inst. sta. |
| +90.51 | +90.51 | 2 | Y | | 18040 | 75' out on range line |
| 75' | at | 3 | W | | 18000 | |
| out | base | 4 | Y | | 18000 | |
| on | line | 5 | W | | 18100 | |
| range | | 6 | R | 11 28 | 180 10 | |
| line | | 7 | Y | | 179 40 | |
| | | 8 | W | | 180 10 | |
| | | 9 | Y | | 180 35 | |
| | | 10 | W | | 179 45 | |
| | | 11 | R | 11 33 | 180 10 | |
| | | 12 | Y | | 180 20 | |
| | | 13 | W | | 179 55 | |
| | | 14 | Y | | 180 10 | |
| | | 15 | W | | 180 20 | |
| | | 16 | R | 11 52 | 179 45 | |
| | | 17 | Y | | 179 35 | |
| | | 18 | W | | 180 10 | |
| | | 19 | Y | | 179 30 | End. |




Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 1947. Survey of Beach Erosion
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Kleiner Notes Gulf Date 11-25-46
Map No. ____ Indexed Johnson Date ____

F.B. 1288 PG. 209

FORM 307 5M 1-46

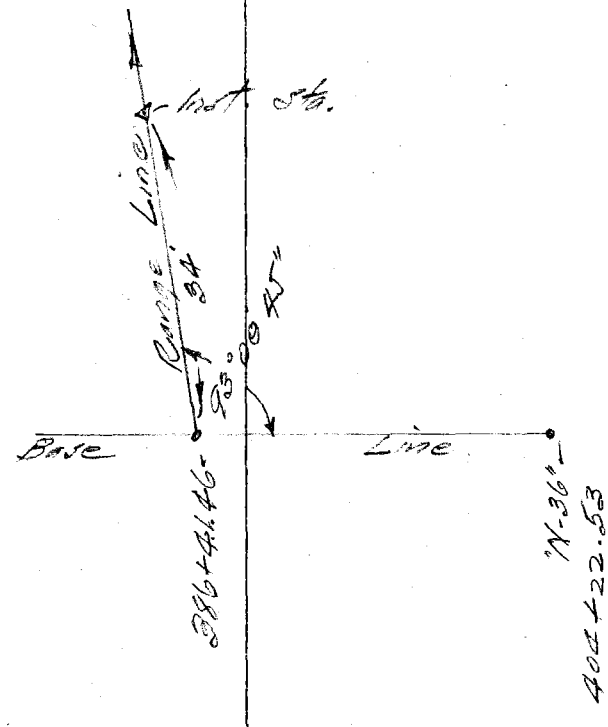
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 386 +41.46 34' out on range line | 386 +41.46 at base line | 1 | R | 12 15 | 180 05 | Range Line ∡ = 180° at inst. sta. 34' out on range line |
| | | 2 | Y | | 180 05 | |
| | | 3 | W | | 180 15 | |
| | | 4 | Y | | 179 05 | |
| | | 5 | W | | 180 00 | |
| | | 6 | R | 12 28 | 180 05 | |
| | | 7 | Y | | 180 25 | |
| | | 8 | W | | 180 25 | |
| | | 9 | Y | | 179 15 | |
| | | 10 | W | | 180 20 | |
| | | 11 | R | 12 34 | 180 00 | |
| | | 12 | Y | | 179 00 | |
| | | 13 | W | | 179 25 | |
| | | 14 | Y | | 180 10 | |
| | | 15 | W | | 180 15 | |
| | | 16 | R | 12 37 | 179 00 | |

Range 386 + 41.46 (N)




Profile
X-Sec.
Plotted H. U. M. H. No.
Date 1947
Checked
Date
No.
Notes Red.
Date
Notes Chkd.
Date
Division No. 8412
Job No. 8412
Survey of Beach Erosion
Survey by Wiemeck Notes Sept 11-25-46
Indexed C. Johnson Date
F.B. 1288 Pg. 210

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 366+33 01 -N ON 230' OFFSET | 366+33 01 -N ON BASE LINE | 1 | R | 11:25 | 266-20 | RANGE 383+90.51 (N) |
| | | 2 | Y | | 265-50 | |
| | | 3 | W | | 265-30 | |
| | | 4 | Y | | 264-50 | |
| | | 5 | W | | 263-55 | |
| | | 6 | R | 11:28 | 262-55 | |
| | | 7 | | | 261-55 | |
| | | 8 | W | | 2[illegible]-20 | |
| | | 9 | Y | | 260-15 | |
| | | 10 | W | | 258-50 | |
| | | 11 | R | 11:33 | 257-15 | |
| | | 12 | Y | | 254-40 | |
| | | 13 | W | | 250-50 | |
| | | 14 | Y | | 243-35 | |
| | | 15 | W | | 238-45 | |
| | | 16 | R | 11:52 | 234-25 | |
| | | 17 | Y | | 231-30 | |
| | | 18 | W | | 229-40 | |
| | | 19 | Y | | 225-00 | END OF LINE. |

Cut in.
383+90.51 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Date 1947 Job No. 2412 Division No. ____
X-Sec. Notes Chkd. ____ Checked ____ Survey of BENCH EROSION
No. ____ Date ____ Date ____ Survey by KLEINECK Notes D.S. Date 11-25-46
Map No. ____ Indexed E. C. Johnson Date ____

F.B. 1288 PG. 211

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 366+33 ol -N ON 230' OFFSET | 366+33 ol -N ON 5 PTS LINE | 1 | R | 12:15 | [illegible] | RANGE 386+41.46 (N) |
| | | 2 | Y | | [illegible] | |
| | | 3 | W | | [illegible] | |
| | | 4 | Y | | 238-50 | |
| | | 5 | W | | [illegible] | |
| | | 6 | R | 12:28 | [illegible] | |
| | | 7 | Y | | 256-15 | |
| | | 8 | W | | 257-55 | |
| | | 9 | Y | | [illegible] | |
| | | 10 | W | | 262-[illegible] | |
| | | 11 | R | 12:34 | [illegible] | |
| | | 12 | Y | | [illegible] | |
| | | 13 | W | | [illegible] 15 | |
| | | 14 | Y | | [illegible] | |
| | | 15 | W | | [illegible] | |
| | | 16 | R | 12:37 | [illegible] | END OF LINE. |

Cut in 386+41.46 (N)

F.B. 1288 PG. 212

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

Survey of BEACH EROSION Date 1947 No. X-Sec.

Survey by KLEINECK Notes D.S. 11-25-46 Notes Chkd. Checked No.

Indexed C. Johnson Date Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile

Notes Red [illegible] Plotted H.U.M. Job No. [illegible] Division No. [illegible]
No. [illegible] Date 1-31-47 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. [illegible] Checked Survey by Thomas & Gray Notes Book Date 11-25-46
No. [illegible] Date 5-14-47 Date [illegible] Map No. [illegible] Indexed J. Johnson Date [illegible]

F.B. 1888 Pg. 213

| STATION # | Col. | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 11:25 | 9.5 - 12.0 | 10.3 | 4.7 | 5.6 | Range 383 + 90.51 |
| 2 | Y | | 10.5 - 12.0 | 11.0 | | 6.3 | Going Out |
| 3 | W | | 11.5 - 12.7 | 11.9 | | 7.2 | |
| 4 | Y | | 12.5 - 14.1 | 13.0 | | 8.3 | |
| 5 | W | | 13.5 - 15.8 | 14.3 | | 9.6 | |
| 6 | R | 11:27 | 14.8 - 17.0 | 15.5 | 4.6 | 10.9 | |
| 7 | Y | | 16.0 - 18.2 | 16.7 | | 12.1 | |
| 8 | W | | 17.0 - 18.3 | 17.4 | | 12.8 | |
| 9 | Y | | 18.0 - 19.7 | 18.6 | | 14.0 | |
| 10 | W | | 19.2 - 20.2 | 19.5 | | 14.9 | |
| 11 | R | 11:32 | 20.2 - 21.0 | 20.5 | 4.6 | 15.9 | |
| 12 | Y | | 21.0 - 22.5 | 21.5 | | 16.9 | |
| 13 | W | | 22.0 - 23.8 | 22.6 | 4.5 | 18.1 | |
| 14 | Y | | 23.0 - 24.4 | 23.5 | | 19.0 | |
| 15 | W | | 24.2 - 25.6 | 24.7 | 4.3 | 20.4 | |
| 16 | R | 11:50 | 25.0 - 27.0 | 25.7 | 4.2 | 21.5 | |
| 17 | Y | | 26.0 - 28.0 | 26.7 | | 22.5 | |
| 18 | W | | 27.0 - 28.2 | 27.4 | | 23.2 | |
| 19 | Y | | 28.0 - 29.8 | 28.6 | | 24.4 | End of line |
| ~~20~~ | ~~W~~ | | | | | | |

Boat.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

F.B. 1288 Pg. 2/4 — Job No. 842 Division No. — Notes Red. — Date 1-31-47 — Plotted H.L.M.H. — Date 1947. — Profile No. — X-Sec. No.
Survey of Regular Engr. Notes Chkd. Date — Checked Date 5-14-47 — No.
Survey by H. Lawrence Notes Chkd. Date — Checked Date — No.
Indexed C. Johnson Date — Checked Date — No.

| STATION | Color | B. S. Time | Meas. Depth | F. S. Botom | Elev. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 12:14 | 27.8 - 29.2 | 28.5 | 3.8 | 24.4 | Range 386+41.46 (N) Going In. |
| 2 | Y | | 26.4 - 28.8 | 27.6 | | 23.2 | |
| 3 | W | | 25.5 - 28. | 26.8 | | 22.5 | |
| 4 | Y | | 24.2 - 26.2 | 24.9 | | 21.1 | |
| 5 | W | | 22.6 - 24.5 | 23.7 | | 19.4 | |
| 6 | R | 12:27 | 21.0 - 23.2 | 21.7 | 3.5 | 18.2 | |
| 7 | Y | | 20.0 - 21.0 | 20.3 | | 16.8 | |
| 8 | W | | 19.0 - 21.0 | 19.7 | | 16.2 | |
| 9 | Y | | 17.8 - 19.3 | 18.3 | | 14.8 | |
| 10 | W | | 16.1 - 17.8 | 16.7 | | 13.2 | |
| 11 | R | 12:33 | 14.5 - 15.8 | 14.9 | 3.1 | 11.5 | |
| 12 | Y | | 13.2 - 14.8 | 13.7 | | 10.3 | |
| 13 | W | | 11.4 - 13.0 | 11.9 | | 8.5 | |
| 14 | Y | | 10.0 - 11.4 | 10.5 | | 7.1 | |
| 15 | W | | 8.0 - 9.2 | 8.4 | | 5.0 | |
| 16 | R | 12:36 | 6.5 - 8.0 | 7.0 | 3.3 | 3.7 | End of line |
| ~~17~~ | ~~Y~~ | | | | | | |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boo +
386+41.46(N)

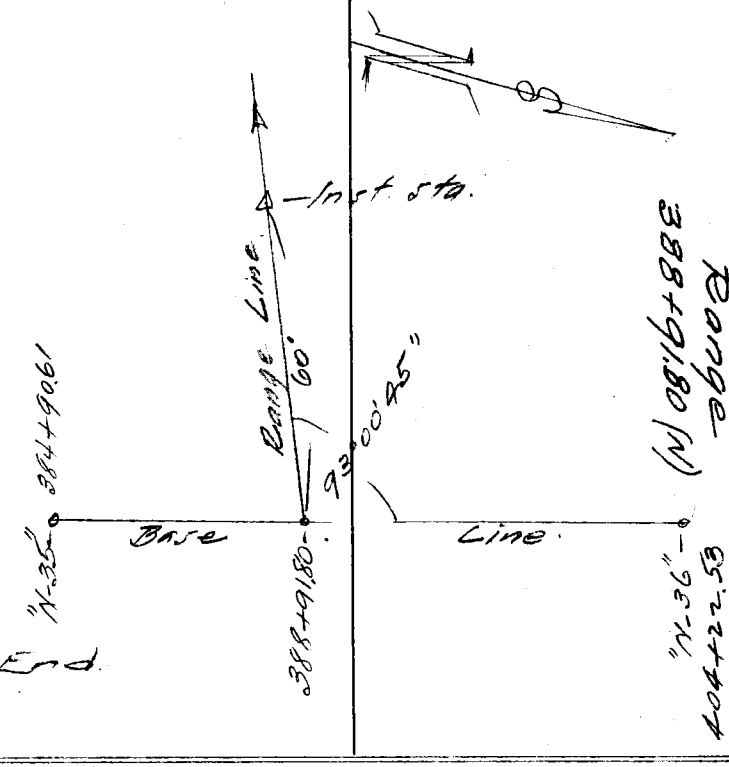
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 388 | 388 | 1 | R | 1249 | 18040 | Range Line ∡ = 180° at inst. sta. 60' |
| +91.80 | +91.80 | 2 | Y | | 18000 | out on range line |
| 60' | at | 3 | W | | 17950 | |
| out | base | 4 | Y | | 17850 | |
| on | line | 5 | W | | 17840 | |
| range | | 6 | R | 1252 | 18020 | |
| Line | | 7 | Y | | 18025 | |
| | | 8 | W | | 17910 | |
| | | 9 | Y | | 17900 | |
| | | 10 | W | | 17900 | |
| | | 11 | R | 1258 | 17905 | |
| | | 12 | Y | | 17945 | |
| | | 13 | W | | 17840 | |
| | | 14 | Y | | 17945 | |
| | | 15 | W | | 17950 | |
| | | 16 | R | 109 | 18000 | |
| | | 17 | Y | | 17950 | |
| | | 18 | W | | 17925 | End. |




Profile
No. ____ Date ____ Notes Red. ____ Plotted H. U. M. H. Job No. 84126 Division No. ____
X-Sec. Date ____ Date 1947. Survey of Beach Erosion
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Pleineck Notes GWK Date 11-25-'46
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 215

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 391 | 391 | 1 | R | 702 | 179 55 | Range Line ∡ = 180° at inst. sta. |
| +41.15 | +41.15 | 2 | Y | | 180 00 | 60' out on range line |
| 60' | at | 3 | W | | 180 10 | |
| out | base | 4 | Y | | 179 50 | |
| on | line | 5 | W | | 180 25 | Note: Sketch for showing |
| range | | 6 | R | 714 | 180 00 | position of this inst. sta., same |
| line | | 7 | Y | | 180 15 | as that on preceding page. |
| | | 8 | W | | 180 00 | |
| | | 9 | W | | 180 00 | |
| | | 10 | W | | 180 15 | |
| | | 11 | R | 724 | 180 00 | |
| | | 12 | Y | | 180 00 | |
| | | 13 | W | | 180 15 | |
| | | 14 | Y | | 180 00 | |
| | | 15 | W | | 180 15 | |
| | | 16 | R | 727 | 180 00 | |
| | | 17 | Y | | 180 15 | |
| | | 18 | W | | 180 00 | |
| | | 19 | Y | | 180 15 | End |

Range 391+42.15

F.B. 1288 PG. 216

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

Survey of Beach Erosion Date ____ Date 1947 X-Sec.

Survey by Meineck Notes Sub. 11-26-46 Notes Chkd. ____ Checked ____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 366+33.01 -N ON 230' OFFSET | 366+33.01 -N ON BASE LINE. | 1 | P | 12:~~01~~ 49 | 269-05 | RANGE 388+91.80 (N) |
| | | 2 | Y | | 267-45 | |
| | | 3 | W | | 267-15 | |
| | | 4 | Y | | 266-15 | |
| | | 5 | W | | 264-50 | |
| | | 6 | P | 12:~~[illegible]~~ 52 | 26[illegible] | |
| | | 7 | Y | | 263-10 | |
| | | 8 | W | | 262-25 | |
| | | 9 | Y | | 260-20 | |
| | | 10 | W | | 257-50 | |
| | | 11 | P | ~~1:00~~ 12 58 | 255-20 | |
| | | 12 | Y | | 251-40 | |
| | | 13 | W | | 248-25 | |
| | | 14 | Y | | 245-00 | |
| | | 15 | W | | 242-10 | |
| | | 16 | R | 1:~~11~~ 09 | 239-10 | |
| | | 17 | Y | | 236-45 | |
| | | 18 | W | | 234-20 | END OF LINE. |

Cut in. 388+91.80 (N)

Profile Notes Red ____ Plotted H U M H Job No. 8412 Division No. ____ F.B. 1288 PG. 217
No. ____ Date ____ Date 1947. Survey of BEACH EROSION
X-Sec. Notes Chkd ____ Checked ____ Survey by KLEINECK Notes D.S. Date 11-25-46
No. ____ Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 383+90.51 -N ON 75 OFFSET | 381+38 -N ON 75 OFFSET | 1 | R | 7:02 | 103-[illegible] | RANGE 391+42.15 |
| | | 2 | Y | | [illegible] | |
| | | 3 | W | | [illegible] | |
| | | 4 | Y | | [illegible] | |
| | | 5 | W | | 113-[illegible]0 | |
| | | 6 | R | 7:14 | 114-[illegible] | |
| | | 7 | Y | | 117-[illegible]5 | |
| | | 8 | W | | 126-[illegible]0 | |
| | | 9 | W | | 12[illegible]-[illegible]0 | |
| | | 10 | W | | 13[illegible]-[illegible] | |
| | | 11 | R | 7:23 | 136-20 | |
| | | 12 | Y | | 13[illegible]-[illegible]5 | |
| | | 13 | W | | 14[illegible]-[illegible]0 | |
| | | 14 | W | | 142-50 | |
| | | 15 | W | | 14[illegible]-[illegible]0 | |
| | | 16 | R | 7:27 | 14[illegible]-[illegible]5 | |
| | | 17 | Y | | 14[illegible] | |
| | | 18 | W | | 15[illegible]-[illegible] | |
| | | 19 | Y | | 15[illegible]-[illegible]0 | END OF LINE |

Cut in. 391+42.15(N)

F.B. 1288 PG. 218

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

Survey of Beach Erosion Date Date 1947. No. X-Sec.

Survey by Kleinbeck Notes D.S. 11-26-46 Notes Chkd. Checked No.

Indexed L. C. Johnson Date Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 12:47 | 7.0 - 8.1 | 7.4 | 3.0 | 4.4 | Range 388 + 91.80 (N) |
| 2 | Y | | 8.8 - 11.0 | 9.5 | | 6.5 | Going Out |
| 3 | W | | 9.8 - 11.5 | 10.4 | | 7.4 | |
| 4 | Y | | 11.2 - 12.8 | 11.~~5~~7 | | 8.~~5~~7 | |
| 5 | W | | 13.4 - 14.0 | 13.6 | | 10.6 | |
| 6 | R | 12:50 | 14.5 - 15.8 | 14.9 | 3.0 | 11.9 | |
| 7 | Y | | 15.8 - 16.8 | 16.1 | | 13.1 | |
| 8 | W | | 16.3 - 17.8 | 17.1 | | 14.1 | |
| 9 | Y | | 17.8 - 19.3 | 18.3 | | 15.3 | |
| 10 | W | | 18.6 - 21.0 | 19.4 | | 16.4 | |
| 11 | R | 12:57 | 19.7 - 21.6 | 20.3 | 2.8 | 17.5 | |
| 12 | Y | | 20.8 - 23.1 | 21.6 | | 18.8 | |
| 13 | W | | 21.5 - 23.0 | 22.0 | | 19.2 | |
| 14 | Y | | 22.8 - 24.1 | 23.2 | | 20.4 | |
| 15 | W | | 23.8 - 25.1 | 24.2 | | 21.4 | |
| 16 | R | 1:09 | 25.0 - 26.0 | 25.3 | 2.6 | 22.7 | |
| 17 | Y | | 26.0 - 27.3 | 26.4 | | 23.8 | |
| 18 | W | | 27.0 - 28.4 | 27.5 | | 24.9 | End of line |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat.
388 + 91.80 (N)

Profile
Notes Red RB Plotted H.U.M.H. Job No. 8412 Division No.
No. Date 1-31-47 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. RWF Checked Survey by Heineck Notes Bott Date 11-25-46
No. Date 5-14-47 Date Map No. Indexed Johnson Date

F.B. 1288 Pg. 219

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H.L. Meas. Depth | F. S. Botom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 7:02 | 29.3 - 30.3 | 29.6 | 4.8 | 24.8 | Range 391+42.15(N). Going In |
| 2 | Y | | 28.4 - 29.6 | 28.8 | | 24.0 | |
| 3 | W | | 27.4 - 28.4 | 27.7 | | 22.9 | |
| 4 | Y | | 26.0 - 27.5 | 26.5 | | 21.7 | |
| 5 | W | | 25.0 - 26.0 | 25.3 | | 20.5 | |
| 6 | R | 7:13 | 24.0 - 26.0 | 24.7 | 5.0 | 19.7 | |
| 7 | Y | | 22.5 - 24.8 | 23.3 | | 18.3 | |
| 8 | W | | 21.5 - 27. | ? 23.3 | | 18.3 ? | evidently an error in high reading |
| 9 | Y | | 20.5 - 22.2 | 21.1 | | 16.1 | |
| 10 | W | | 19.5 - 21.0 | 20.0 | | 15.0 | |
| 11 | R | 7:23 | 17.0 - 19.0 | 17.7 | 5.1 | 12.6 | |
| 12 | Y | | 16.0 - 17.4 | 16.5 | | 11.4 | |
| 13 | W | | 14.8 - 15.9 | 15.2 | | 10.1 | |
| 14 | Y | | 13.5 - 15.0 | 14.0 | | 8.9 | |
| 15 | W | | 12.5 - 13.5 | 12.8 | | 7.7 | |
| 16 | R | 7:26 | 10.6 - 11.8 | 11.0 | 5.1 | 6.9 | Boat. 391+42.15(N) |
| 17 | Y | | 8.7 - 10.2 | 9.2 | | 4.1 | |
| 18 | W | | 7.4 - 9.0 | 7.9 | | 2.8 | |
| 19 | Y | | 6.2 - 8.4 | 6.9 | | 1.8 | End of line |
| ~~20~~ | ~~W~~ | | | | | | |

F.B. 1288 PG. 220

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

Survey of Beach Erosion Date 1-31-47 Date 1947 No. X-Sec.

Survey by Meinert Notes Stat 11-26-46 Notes Chkd. Checked No.

Indexed A. C. Johnson Date Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 393 | 391 | 1 | R | 7 41 | 88 00 | Range Line ∠ = 86°59'15" F.S. on |
| +92.50 | ~~+42~~ 15 | 2 | Y | | 87 15 | 391+42.15 |
| | | 3 | W | | 87 00 | |
| | | 4 | Y | | 87 05 | |
| | | 5 | W | | 87 35 | |
| | | 6 | R | 7 46 | 87 35 | |
| | | 7 | Y | | 87 15 | |
| | | 8 | W | | 87 10 | |
| | | 9 | Y | | 87 10 | |
| | | 10 | W | | 87 00 | |
| | | 11 | R | 7 51 | 87 25 | |
| | | 12 | Y | | 87 25 | |
| | | 13 | W | | 87 15 | |
| | | 14 | Y | | 87 05 | |
| | | 15 | W | | 87 25 | |
| | | 16 | R | 7 57 | 87 30 | |
| | | 17 ~~18~~ | Y | | 87 15 | |
| | | 18 ~~19~~ | W | | 87 05 | |
| | | 19 ~~20~~ | Y | | 87 10 | |
| | | 20 ~~21~~ | W | | 87 10 | cont'd next pg. |
| | | 21 ~~22~~ | R | 8 10 | 87 10 | |

Range
393+92.50 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____
X-Sec. Date ____ Date 1947. Survey of Beach Erosion
No. ____ Notes Chkd. ____ Checked ____ Survey by Meineck Notes Gulf Date 11-26-46
Date ____ Date ____ Map No. ____ Indexed: C. Johnson Date ____

F.B. 1288 PG. 221

F.B. 1288 PG. 222

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

Survey of Beach Erosion Date _____ Date 1947. No. _____

Survey by Meineck Notes G.W.K. 11-26-46 Notes Chkd. _____ Checked _____ X-Sec.

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

Range
393+92.50 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | | |
|---|---|---|---|---|---|---|
| Inst. Sight At On | # | Color | Time | Hor. Ang. | | Remarks |
| 393 391 | 22 | Y | | 87 15 | Cont'd from [illegible] | |
| +92.50 +42.15 | 23 | W | | 87 15 | End. | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 383+90.51 -N | 381+38.65 -N | 1 | R | 7:41 | 160-30 | RANGE 393+92.50 (N) |
| ON 75' OFFSET | ON 75' OFFSET | 2 | [illegible] | | 158-[illegible] | |
| | | 3 | | | 155-[illegible] | |
| | | 4 | [illegible] | | 154-20 | |
| | | 5 | | | 152-[illegible] | |
| | | 6 | | 7:[illegible] | [illegible] | |
| | | 7 | [illegible] | | 149-[illegible] | |
| | | 8 | [illegible] | | 148-25 | |
| | | 9 | Y | | 146-40 | |
| | | 10 | [illegible] | | 145-30 | |
| | | 11 | R | 7:50 | [illegible]-50 | |
| | | 12 | [illegible] | | 141-55 | |
| | | 13 | W | | 139-50 | |
| | | 14 | [illegible] | | 137-35 | |
| | | 15 | [illegible] | | 133-[illegible] | |
| | | 16 | R | 7:58 | 130-40 | |
| | | 17 | Y | | 127-10 | |
| | | 18 | W | | 122-05 | |
| | | 19 | Y | | 118-50 | |
| | | 20 | W | | 116-30 | (CONTINUED REVERSE SIDE) |

Cut in.
393+92.50(N)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 223
No. ____ Date ____ Date 1947. Survey of [illegible]
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes D.S. Date 11-26-46
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 224

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

Survey of Beach Erosion Date _____ Date 1947 No. _____

Survey by [illegible] Notes D.S. [illegible]-26-46 Notes Chkd. _____ Checked _____ X-Sec.

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

Cut in.
393+92.50(N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | | |
|---|---|---|---|---|---|---|
| Inst. Sight | | | | | | |
| At On | # | Color | Time | Hor. Ang. | | Remarks |
| 3384905 | 21 | [illegible] | [illegible] | [illegible] | [illegible] | 393+92.50 (N) |
| [illegible] | 32 | Y | [illegible] | [illegible] | [illegible] | |
| [illegible] | 33 | W | [illegible] | [illegible] | [illegible] | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 7:41 | 5.-6.3 | 5.4 | 5.3 | 0.1 | Range 393 + 92.50 (N) Going Out |
| 2 | Y | | 6.-7.8 | 6.6 | | 1.3 | |
| 3 | W | | 7.3-8.6 | 7.7 | | 2.4 | |
| 4 | Y | | 8.3-9.1 | 8.6 | | 3.3 | |
| 5 | W | | 10.-10.8 | 10.3 | | 5.0 | |
| 6 | R | 7:46 | 11.-11.8 | 11.3 | 5.3 | 6.0 | |
| 7 | Y | | 12.2-13.6 | 12.7 | | 7.4 | |
| 8 | W | | 13.4-16.2 | 14.3 | | 9.0 | |
| 9 | Y | | 14.9-16. | 15.3 | | 10.0 | |
| 10 | W | | 16.-16.9 | 16.3 | | 11.0 | |
| 11 | R | 7:50 | 17.5-18.7 | 17.9 | 5.3 | 12.6 | |
| 12 | Y | | 19.-19.7 | 19.2 | | 13.9 | |
| 13 | W | | 20.-21.1 | 20.4 | | 15.1 | |
| 14 | Y | | 20.-21.9 | 20.6 | | 15.3 | |
| 15 | W | | 22.-23. | 22.3 | | 17.0 | |
| 16 | R | 7:57 | 23.-24. | 23.3 | 5.4 | 17.9 | |
| 17 | Y | | 24.-24.8 | 24.3 | | 18.9 | |
| 18 | W | | 25.-26. | 25.3 | | 19.9 | |
| 19 | Y | | 26.-27. | 26.3 | | 20.9 | |
| 20 | W | | 27.-27.7 | 27.2 | | 21.8 | |

Boat.
393 + 92.50 (N)

(contd next pg.)

Profile
Notes Red [illegible] Plotted H.U.M.H. Job No. 842 Division No.
No. Date 1-31-47 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd [illegible] Checked Survey by Meinecke Notes GDH Date 11-26-46
No. Date 5-14-47 Date Map No. Indexed Johnson Date

F.B. 1288 Pg. 225

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B. S. | H. I. Meas. | F. S. | ELEV. Ht. | | |
|---|---|---|---|---|---|---|
| # Color | Time | Depth | Botom | Tide | Adj. Depth | Remarks |
| 21 R | 8:09 | 28.0-29.0 | 28.3 | 5.5 | 22.8 | Range 393+92.50(N) |
| 22 Y | | 29.0-30.0 | 29.3 | | 23.8 | Going Out |
| 23 W | | 29.7-31.0 | 30.1 | | 24.6 | End of line. |
| 1 R | ~~9:45~~ | ~~30.5-31.6~~ | | | | ~~South end of~~ |
| 2 Y | | ~~25.1-26.2~~ | | | | ~~Breakwater shots~~ |
| 3 W | | ~~29.7-30.3~~ | | | | ~~here~~ |

Boat. 393+92.50(N)

Copied
[illegible]

F.B. 1288 PG. 226

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

Survey of Beach Erosion Date 1-31-46 Date [illegible] No. X-Sec.

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

Indexed C. Johnson Date 5-14-47 Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 396 | 393 | 1 | R | 8 23 | 87 00 | Range Line ∡ = 86° 59' 15" F.S. on | |
| +42.85 | +92.50 | 2 | Y | | 86 55 | | 393 + 92.50 |
| | | 3 | W | | 86 50 | | |
| | | 4 | Y | | 86 40 | | |
| | | 5 | W | | 87 15 | | |
| | | 6 | R | 8 38 | 87 25 | | |
| | | 7 | Y | | 87 05 | | |
| | | 8 | W | | 87 00 | | |
| | | 9 | Y | | 87 20 | | |
| | | 10 | W | | 87 20 | | |
| | | 11 | R | 8 44 | 87 25 | | |
| | | 12 | Y | | 87 00 | | |
| | | 13 | W | | 87 15 | | |
| | | 14 | Y | | 87 15 | | |
| | | 15 | W | | 87 20 | | |
| | | 16 | R | 8 46 | 87 10 | | |
| | | 17 | Y | | 87 20 | | |
| | | 18 | W | | 87 15 | | |
| | | 19 | Y | | 87 25 | End | |

Range.
396 + 42.85 (N)

Profile Notes Red ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 227
No. ____ Date ____ Date 1947 Survey of Beech Erosion
X-Sec. Notes Chkd. ____ Checked ____ Survey by Flemeck Notes G.W.K. Date 11-26-46
No. ____ Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 398 | 396 | 1 | R | 8 57 | 87 [illegible] | Range Line ∡ = 86°59'15" F.S. on 396+42.85 |
| +93.19 | +42.85 | 2 | Y | | 87 [illegible] | |
| | | 3 | W | | 87 [illegible] | |
| | | 4 | Y | | 87 [illegible] | |
| | | 5 | W | | 87 [illegible]5 | |
| | | 6 | R | 9 04 | 87 [illegible]5 | |
| | | 7 | Y | | 87 [illegible]0 | |
| | | 8 | W | | 87 [illegible]0 | |
| | | 9 | Y | | 87 [illegible] | |
| | | 10 | W | | 87 [illegible] | |
| | | 11 | R | 9 08 | 87 [illegible]0 | |
| | | 12 | Y | | 87 [illegible]5 | |
| | | 13 | W | | 87 [illegible] | |
| | | 14 | Y | | 87 [illegible]5 | |
| | | 15 | W | | 87 [illegible] | |
| | | 16 | R | 9 17 | 87 [illegible] | |
| | | 17 | Y | | 87 [illegible] | |
| | | 18 | W | | 87 [illegible] | |
| | | 19 | Y | | 87 [illegible] | |
| | | 20 | W | | 87 [illegible]5 | |

Range 398+93.19 (N)

F.B. 1288 PG. 228

Job No. 841 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Wiemeck Notes Bulk Hole Notes Chkd. Checked No.

Indexed C. Johnson Date Date Date

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 383+90.51 | 381+38.65 | 1 | R | [illegible] | 115-45 | RANGE 396+42.85 (N) |
| -N | -N | 2 | Y | | 118-55 | |
| ON | ON | 3 | W | | 123-00 | |
| 75' | 75 | 4 | Y | | 128-10 | |
| OFFSET | OFFSET | 5 | W | | 133-40 | |
| | | 6 | R | [illegible] | [illegible] | |
| | | 7 | Y | | 143-00 | |
| | | 8 | W | | 145-25 | |
| | | 9 | Y | | 147-45 | |
| | | 10 | W | | 149-00 | |
| | | 11 | R | 8:44 | 150-55 | |
| | | 12 | Y | | 152-05 | |
| | | 13 | W | | 153-35 | |
| | | 14 | Y | | 155-25 | |
| | | 15 | W | | 156-40 | |
| | | 16 | R | 8:46 | 157-10 | |
| | | 17 | Y | | 160-05 | |
| | | 18 | W | | 162-20 | |
| | | 19 | Y | | 165-10 | END OF LINE. |

Cut in.
396+42.85 (N)

Profile No. ____ Notes Red. ____ Plotted H.U.M.H. Job No. 8412 Division No. ____ F.B. 1288 PG. 229
X-Sec. No. ____ Date ____ Date 1947. Survey of BEACH EROSION
Notes Chkd. ____ Checked ____ Survey by FLEINECK Notes D.S. Date 11-26-46
No. ____ Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 383+90.51 | [illegible] | 1 | | 8:57 | 16[illegible] | [illegible] 93.19 (N) |
| [illegible] | [illegible] | 2 | | | 16[illegible]-50 | |
| [illegible] | [illegible] | 3 | | | 15[illegible]-50 | |
| | | 4 | | | 157-45 | |
| | | 5 | | | 15[illegible]-50 | |
| | | 6 | | 9:03 | 15[illegible]-50 | |
| | | 7 | | | 15[illegible]-45 | |
| | | 8 | | | 15[illegible]-45 | |
| | | 9 | | | 15[illegible]-30 | |
| | | | | | 149-35 | |
| | | | | 9:08 | 14[illegible]-20 | |
| | | | | | 142-25 | |
| | | | | | 13[illegible]-35 | |
| | | | | | 13[illegible]-35 | |
| | | | | | 13[illegible]-35 | |
| | | | | 9:17 | 13[illegible]-50 | |
| | | 17 | Y | | 12[illegible]-45 | |
| | | 18 | W | | 127-40 | |
| | | 19 | Y | | 124-25 | |
| | | 20 | W | | 120-30 | END OF LINE |

Cut in. 398+93.19 (N)

F.B. 1288 PG. 230

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

Survey of Bench Erosion Date ____ Date 1947 No. ____ X-Sec.

Survey by Kleinecke Notes D.S. 11-25-46 Notes Chkd ____ Checked ____ No. ____

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile
Notes Red MB Plotted H.U.M.H. Job No. 2112 Division No.
No. Date 12-15-46 Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd Checked Survey by Meyers & Gaster Date 11-26-46
No. Date 12-18-46 Date Map No Indexed Date

F.B. 1288 PG. 231

| STATION | | B. S. | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| # | Color | Time | | | | | |
| 1 | R | 8:23 | 30.0 - 31.0 | 30 3 | 5 6 | 24.7 | Range 396 + 42.85 W |
| 2 | Y | | 28.6 - 29.8 | 29 0 | | 23.4 | Going In. |
| 3 | W | | 27.0 - 28.0 | 27 3 | | 21.7 | |
| 4 | Y | | 25.5 - 26.5 | 25 8 | | 20.2 | |
| 5 | W | | 23.8 - 24.5 | 24 0 | | 18.4 | |
| 6 | R | 8:37 | 22.0 - 23.1 | 22 4 | 5 7 | 16.7 | |
| 7 | Y | | 20.0 - 21.0 | 20 3 | | 14.6 | |
| 8 | W | | 19.0 - 19.5 | 19 2 | | 13.5 | |
| 9 | Y | | 17.5 - 18.5 | 17 8 | | 12.1 | |
| 10 | W | | 16.1 - 17.1 | 16 4 | | 10.7 | |
| 11 | R | 8:43 | 14.0 - 15.5 | 14 5 | 5 7 | 8.8 | Boat |
| 12 | Y | | 12.7 - 14.0 | 13 1 | | 7.4 | 396 + 42.85 (W) |
| 13 | W | | 10.5 - 11.1 | 10 2 | | 5.0 | |
| 14 | Y | | 9.0 - 10.1 | 9 4 | | 3.7 | |
| 15 | W | | 7.8 - 9.2 | 8 3 | | 2.46 | |
| 16 | R | 8:46 | 6.5 - 7.7 | 6 9 | 5 7 | 1.2 | |
| 17 | Y | | 5.3 - 6.7 | 5 8 | | 0.1 | |
| 18 | W | | 4.5 - 5.2 | 4 7 | | +1.0 | |
| 19 | Y | | 3.4 - 4.2 | 3 7 | | +2.0 | End of line |
| 20 | ~~W~~ | | | | | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H.I. Meas. Depth | F. S. Botom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 8:56 | 2.8-3.8 | 3.1 | 5.8 | +2.7 | Range 398+93.19(N) Going Out |
| 2 | Y | | 3.8-4.6 | 4.1 | | +1.7 | |
| 3 | W | | 5.2-6.2 | 5.5 | | +0.3 | |
| 4 | Y | | 6.8-7.3 | 7.0 | | -1.2 | |
| 5 | W | | 8.1-8.9 | 8.4 | | -2.6 | |
| 6 | R | 9:04 | 10.2-10.8 | 10.4 | 5.8 | -4.6 | |
| 7 | Y | | 11.3-12.2 | 11.6 | | 5.8 | |
| 8 | W | | 12.8-13.3 | 13.0 | | 7.2 | |
| 9 | Y | | 14.0-14.8 | 14.3 | | 8.5 | |
| 10 | W | | 15.1-16.0 | 15.4 | | 9.6 | |
| 11 | R | 9:09 | 17.0-17.8 | 17.3 | 5.8 | 11.5 | |
| 12 | Y | | 18.6-19.1 | 18.8 | | 13.0 | |
| 13 | W | | 20.3-21.1 | 20.6 | | 14.8 | |
| 14 | Y | | 21.8-22.7 | 22.1 | | 16.3 | |
| 15 | W | | 23.4-24.7 | 23.8 | | 18.0 | |
| 16 | R | 9:16 | 25.2-26.0 | 25.5 | 5.8 | 19.7 | |
| 17 | Y | | 26.5-27.1 | 26.7 | | 20.9 | |
| 18 | W | | 27.8-28.6 | 28.1 | | 22.3 | |
| 19 | Y | | 29.0-29.8 | 29.3 | | 23.5 | |
| 20 | W | | 31.1-32.1 | 31.4 | | 25.6 | End of line |

Boat. 398+93.19(N)

F.B./288 PG. 232

Job No. 8417 Division No. ____ Notes Red. NZ Plotted H.U.M.H. No. ____ Profile

Survey of Beach Erosion Date 12/18/46 Date 1947 No. ____ X-Sec.

Survey by Meineck Notes Sat 11-26-46 Notes Chkd. Lew Checked ____

Indexed A. C. Johnson Date ____ Date 12-19-46 Date ____ No. ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

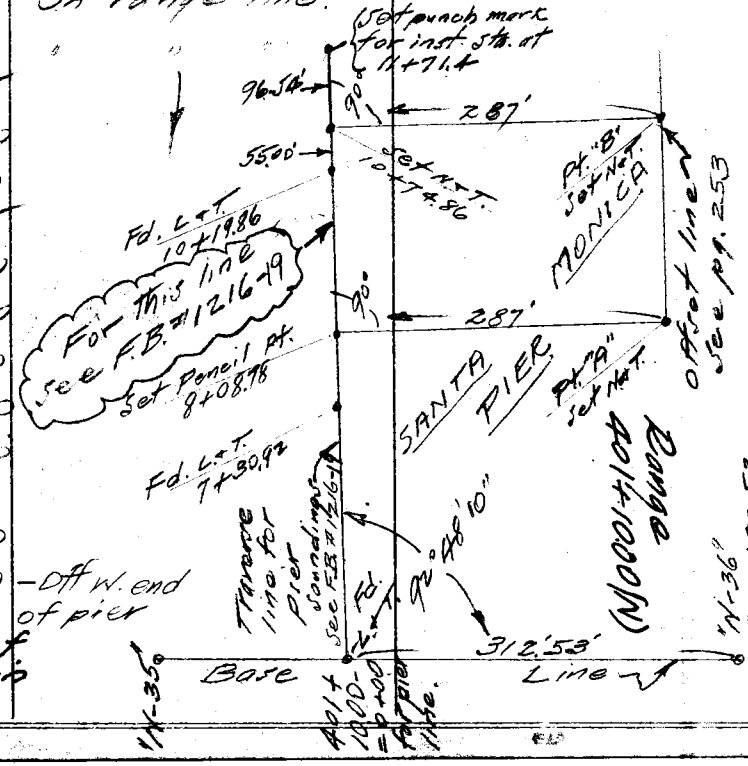
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks |
| 401+10.00 | | 1 | R | 945 | 18350 | Toe brk. water on W/S. (ocean side) |
| out | 401+ | 2 | Y | | 17955 | " " " on approx. ℄ of produced S. |
| 1171.4' | 10.00 | 3 | W | | 18425 | " " " " E/S. (inside) |
| from | at | 4 | R | 956 | 17945 | On range line. |
| base | base | 5 | Y | | 17950 | " " " |
| line | line | 6 | W | | 18005 | |
| on | | 7 | Y | | 17940 | |
| traverse | | 8 | W | | 18010 | |
| line | | 9 | R | 1008 | 18015 | |
| for | | 10 | Y | | 17940 | |
| Soundings | | 11 | W | | 17940 | |
| along | | 12 | Y | | 17940 | |
| S. edge | | 13 | W | | 18040 | |
| of Santa | | 14 | R | 1012 | 18050 | |
| Monica | | 15 | Y | | 18020 | |
| Pier | | 16 | W | | 18020 | |
| see sketch | | 17 | Y | | 18000 | - Off W. end of pier |
| see F.B. | | | | | | |
| #1216 | | | | | | |
| pg. 19 | | | | | | |

Note: This line used instead of old range line stationing 401+07.94

For shots along S. edge of pier see "Pier Soundings" in F.B. 1216 - pg. 225




Profile
Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
No. ____ Date ____ Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd ____ Checked ____ Survey by Meinecke Notes Fwk Date 11-26-46
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 1288 PG. 233

F.B. 1288 Pg. 234

Job No. 8417 Division No. Notes Red. Plotted H. U. M. H. Profile

Survey of Beach Erosion Date Date No.

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

Indexed Date Date Date No.

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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. | Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| Inst. Sight On | # | Color | Time | | | |
| At | | | | | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 323+90.51 | 321+38.65 | 1 | [illegible] | 9:46 | ① 123-40 | [illegible] ~~401+07.94~~ 401+10.00 (N) |
| -N | -N | 2 | Y | | ② 123-10 | 5's Pier |
| ON | ON | 3 | [illegible] | | ③ 125-20 | These 3 shots taken at S. end of breakwater. |
| [illegible] | 75 OFFSET | 4 | R | 9:57 | 122-45 | On range line. |
| | | 5 | Y | | 123-10 | " " " |
| | | 6 | W | | 123-30 | |
| | | 7 | Y | | 126-10 | |
| | | 8 | W | | 129-50 | |
| | | 9 | R | 10:07 | 131-00 | |
| | | 10 | Y | | 132-15 | |
| | | 11 | W | | 133-40 | |
| | | 12 | Y | | 134-50 | |
| | | 13 | W | | 136-35 | |
| | | 14 | R | 10:13 | 137-35 | |
| | | 15 | Y | | 138-50 | |
| | | 16 | W | | 140-20 | |
| | | 17 | Y | | 142-35 | END OF LINE |

① outside toe.
② Near center of, at end.
③ inside toe.

Cut in.
401+10.00 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. Notes Chkd. ____ Checked ____ Date 1947 Survey of BEACH ERROR
No. ____ Date ____ Date ____ Survey by [illegible] Notes D.S. Date 1-26-46
Map No. ____ Indexed E. Johnson Date ____

F.B. 1288 Pg. 235

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 413+98 -N ON 934.13' OFFSET | 35 | 1 | | 11:10 | [illegible] | RANGE 406+44.02 (N) |
| | 408+98 -N ON 934.13' OFFSET | 2 | Y | | [illegible] | |
| | | 3 | [illegible] | | [illegible] | |
| | | 4 | Y | | 6 [illegible] | |
| | | 5 | [illegible] | | [illegible] | |
| | | 6 | [illegible] | 11:15 | [illegible] | |
| | | 7 | Y | | | |
| | | 8 | [illegible] | | | |
| | | 9 | Y | | 28-55 | |
| | | 10 | W | | 31-50 | |
| | | 11 | [illegible] | 11:21 | 34-50 | |
| | | 12 | | | 37-35 | |
| | | 13 | | | 38-20 | |
| | | 14 | | | 41-20 | |
| | | 15 | W | | 44-35 | |
| | | 16 | [illegible] | 11:27 | 47-50 | |
| | | 17 | Y | | 52-[illegible] | |
| | | 18 | W | | 55-20 | |
| | | 19 | Y | | 58-30 | |
| | | 20 | W | | 61-35 | END OF LINE. Inside toe of bkwater |

Copied [illegible]

F.B. 1288 PG. 236

Job No. 8012 Division No. Notes Red. Plotted H.U.M.H. Profile

Survey of BEACH ERASION Date Date 1947 No. X-Sec.

Survey by [illegible] Notes [illegible] Notes Chkd. Checked No.

Indexed Date Date Date

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. _____ Notes Red. SM Date 12/16/66 Plotted H.U.M.H. Job No. 5002 Division No. _____
X-Sec. No. _____ Notes Chkd. LCW Date 12-16-66 Checked _____ Survey of Redondo Estuary
Notes by Edward Johnson Date 11-26-66 F.B. 1220 PG. 237
Date _____ Map No. _____ Date _____

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 4 | R | 9:56 | 29.8 - 30.3 | 30[illegible]' | 5.8' | 24.2' | Range 401+10.00(N) |
| 5 | Y | | 26.0 - 27.8 | 26[illegible]' | | 20.8? | Going In. |
| 6 | W | | 32.1 - 32.8 | 32[illegible]' | | 26.5' | |
| 7 | Y | | 30.3 - 31.2 | 30[illegible]' | | 24.8' | |
| 8 | W | | 29.0 - 29.6 | 29[illegible]' | | 23.4' | |
| 9 | R | 10:07 | 27.5 - 28.7 | 27[illegible]' | 5.8' | 22.1' | |
| 10 | Y | | 26.2 - 27.0 | 26[illegible]' | | 20.7' | |
| 11 | W | | 24.9 - 26.0 | 25[illegible]' | | 19.65 | |
| 12 | Y | | 23.7 - 24.7 | 24[illegible]' | | 18.2' | |
| 13 | W | | 22.5 - 23.8 | 22[illegible]' | | 17.1' | |
| 14 | R | 10:12 | 21.1 - 21.9 | 21[illegible]' | 5.7' | 15.7' | |
| 15 | Y | | 19.7 - 21.0 | 20[illegible]' | | 14.4' | |
| 16 | W | | 18.8 - 20.0 | 19[illegible]' | | 13.5' | |
| 17 | Y | | 16.0 - 16.5 | 16[illegible]' | | 10.5' | End of line. off wly end of pier |
| | | | | | | | Boat 401+19.00(N) |
| 1 | R | 9 45 | 30.5 - 31.6 | 30[illegible]' | 5.8' | 25.1' | outside bo. } Soundings |
| 2 | Y | | 25.1 - 26.2 | 25[illegible]' | | 19.7' | on line of } taken at |
| 3 | W | | 29.7 30.3 | 29[illegible]' | | 24.1' | inside bo. } end of breakwater |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Botom | ELEV. Ht. Tide | Adj. Depth | | Remarks |
|---|---|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible].0 | 27 1 | 4.5 | 22.6 | Range | 404+10.94 |
| [illegible] | [illegible] | | 27.8-28.5 | 28 0 | | 23.5 | | GOING OFF. |
| [illegible] | [illegible] | | 27.7-30.0 | 29 1 | | 24.6 | | |
| [illegible] | [illegible] | | [illegible].0 | 29 3 | | 24.8 | | |
| [illegible] | W | | [illegible] | 27 4 | | ~~21.9~~ 22.9 | | |
| [illegible] | [illegible] | [illegible] | [illegible] | 23 5 | 4.3 | 19.2 | Inside | Toe of breakwater |
| [illegible] | [illegible] | | [illegible] | 28 5 | | 24.2 | Outside | " " " |
| [illegible] | W | | [illegible] | 32 4 | | 28.1 | | |
| [illegible] | [illegible] | | [illegible] | OUT | | | | |
| 10 | W | | [illegible].0 | 34 2 | | 29.9 | [illegible] | [illegible] |

Boat 404+10.94 (N)

F.B. 1288 PG. 238

Job No. 842 Division No. ____ Notes Red. [illegible] Plotted H. U. M. H. Profile

Survey of Beach Erosion Date 12-18-46 Date 1947 No. ____

Survey by Hemeck Notes D.S. 11-27-46 Notes Chkd [illegible] Checked ____ X-Sec.

Indexed A. C. Johnson Date ____ Date 12-19-46 Date ____ No. ____

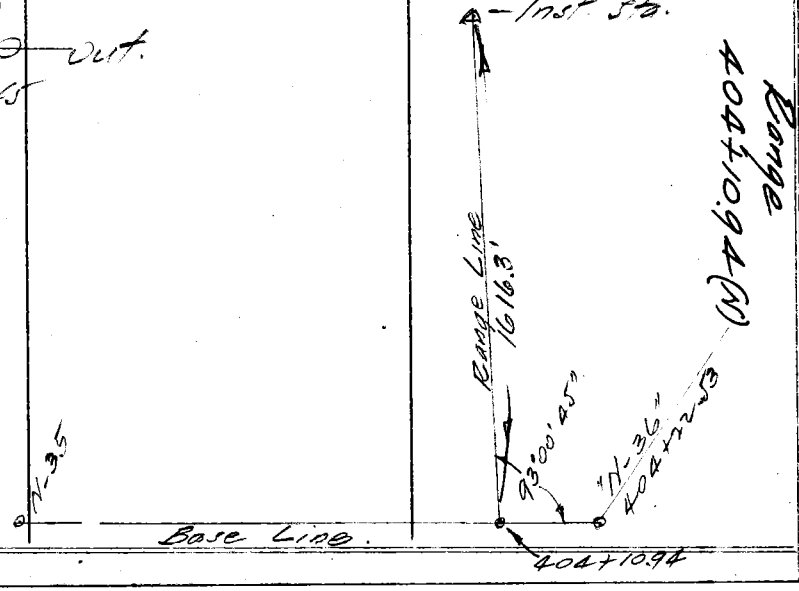
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks | |
| 404 | 404 | 1 | R | 1227 | 179 45 | Near W. end of pier. Range Line ∡ = 180° at inst. sta. | |
| +10.94 | +10.94 | 2 | Y | | 180 15 | | |
| — | at | 3 | W | | 180 35 | | |
| 1616.3 | base | 4 | Y | | 179 45 | | |
| out | line | 5 | W | | 179 45 | | |
| on | | 6 | R | 1237 | 179 50 | inside toe of breakwater. | |
| range | | 7 | Y | | 179 50 | Outside " " " | |
| Line | | 8 | W | | 179 55 | | |
| see | | ~~9~~ | ~~Y~~ | | ~~180 00~~ | out. | |
| sketch | | 10 | W | | 179 45 | | |




Profile Notes Red. Plotted H. U. M. H. Job No. 8442 Division No.
No. Date Date 1947 Survey of Beach Erosion
X-Sec. Notes Chkd. Checked Survey by Klemeck Notes GWK Date 11-27-46
No. Date Date Map No. Indexed A. C. Johnson Date

F.B. 1288 Pg. 239

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. X-Sec. No.

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

Survey of Notes Date

Survey by Plotted H. L. M. H. Date Checked Date

Indexed

F.B. 288 PG. 240

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

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|---|
| Inst. At | Sight On | # | Color | Time | Hor. Ang. | Remarks |
| 411+ 48.24 934.13' out on range line | 411+ 48.24 at base line | 1 | R | 1227 | 14350 | off most w'ly end off pier |
| | | 2 | Y | | 14735 | Range Line 404+10.94 along N'ly edge of Santa Monica pier. |
| | | 3 | W | | 14950 | |
| | | 4 | Y | | 15105 | |
| | | 5 | W | | 15145 | |
| | | 6 | R | 1237 | 15220 | Inside toe of breakwater |
| | | 7 | Y | | 15345 | Outside " " " |
| | | 8 | W | | 15500 | |
| | | 9 | Y | | out. | |
| | | 10 | W | | 15630 | End of line |

Cut in.
404+10.94 (N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 847 Division No. ____
X-Sec. Date 1947 Survey of Beach Erosion
No. ____ Notes Chkd. ____ Checked ____ Survey by Hemert Notes De Tilla Date 11-27-'46
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

F.B. 1288 PG. 241

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|---|
| Inst. Sight At | On | # | Color | Time | Hor. Ang. | Remarks |
| 413+ 98.35 (N) on 934.13' offset | 408 + 98.13 -(N) on 934.13' offset | 1 | R | 1110 | 359 10 | Range 406+44.02 (N) |
| | | 2 | Y | | 1 30 | |
| | | 3 | W | | 4 05 | |
| | | 4 | Y | | 6 35 | |
| | | 5 | W | | 9 55 | |
| | | 6 | R | 1115 | 14 00 | |
| | | 7 | Y | | 18 30 | |
| | | 8 | W | | 24 10 | |
| | | 9 | Y | | 28 55 | |
| | | 10 | W | | 31 50 | |
| | | 11 | R | 1121 | 34 30 | |
| | | 12 | Y | | 37 05 | |
| | | 13 | W | | 38 10 | |
| | | 14 | Y | | 41 20 | |
| | | 15 | W | | 44 35 | |
| | | 16 | R | 1127 | 47 50 | |
| | | 17 | Y | | 52 15 | |
| | | 18 | W | | 56 20 | |
| | | 19 | Y | | 58 30 | |
| | | 20 | W | | 61 35 | inside toe of break water. |

Cut in 406+44.02 (N)

F.B. 1288 PG. 242 Job No. 8417 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 1947 No. X-Sec.
Survey by Hlemeck Notes DS 11-26-46 Notes Chkd. Checked No.
Indexed A. C. Johnson Date Date Date

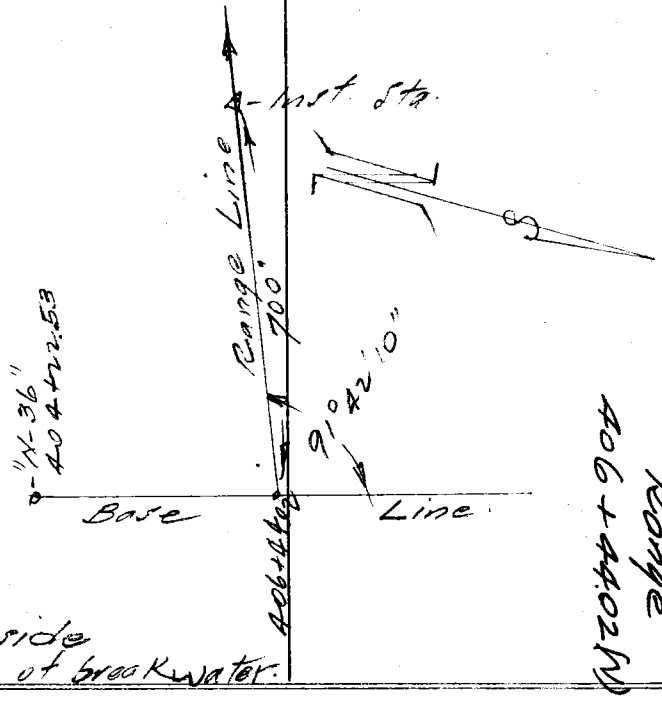
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 406 | 406 | 1 | R | 1109 | 18150 | Range Line ∡ = 180° at inst. Sta. |
| +44.02 | +44.02 | 2 | Y | | 18000 | 700' out on range line |
| 700' | at | 3 | W | | 17925 | F.S. on 0+00 |
| out | base | 4 | Y | | 17840 | |
| on | line | 5 | W | | 17910 | |
| range | | 6 | R | 1115 | 17825 | |
| line | | 7 | Y | | 18020 | |
| | | 8 | W | | 17920 | |
| | | 9 | Y | | 18000 | |
| | | 10 | W | | 18000 | |
| | | 11 | R | 1121 | 18105 | |
| | | 12 | Y | | 18045 | |
| | | 13 | W | | 18000 | |
| | | 14 | Y | | 17920 | |
| | | 15 | W | | 17955 | |
| | | 16 | R | 1127 | 18005 | |
| | | 17 | Y | | 17950 | |
| | | 18 | W | | 18115 | |
| | | 19 | Y | | 18055 | Inside |
| | | 20 | W | | 18155 | Toe of breakwater. |




Range
406+44.02(N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 842 Division No. ____
X-Sec. Date 1947 Survey of Beach Erosion
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Kleinecke Notes GWK Date 11-26-46
Date ____ Map No. ____ Indexed A. C. Johnson Date ____

F.B. 1288 PG. 243

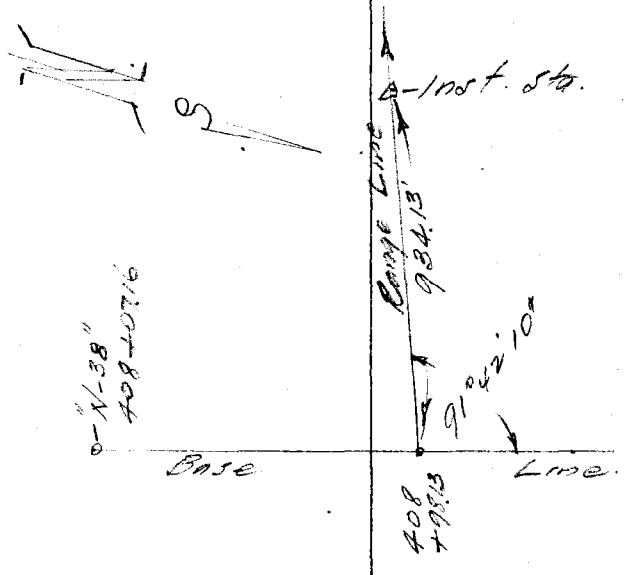
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 408 +98.13 | 408 +98.13 | 1 | R | 11 52 | 179 40 | Range Line ∡ = 180° at inst sta. |
| 934.13 out on range Line | at base line | 2 | Y | | 179 50 | inside toe of breakwater. 934.13' out on range line |
| | | 3 | W | | 179 40 | |
| | | 4 | Y | | 180 00 | |
| | | 5 | W | | 180 30 | |
| | | 6 | R | 12 02 | 180 40 | |
| | | 7 | Y | | 181 00 | |
| | | 8 | W | | 179 25 | |
| | | 9 | Y | | 179 10 | |
| | | 10 | W | | 180 00 | |
| | | 11 | R | 12 10 | 179 50 | |
| | | 12 | Y | | 180 00 | |
| | | 13 | W | | 179 50 | |
| | | 14 | Y | | 180 00 | |
| | | 15 | W | | 180 00 | |
| | | 16 | R | 12 15 | 180 00 | |
| | | 17 | Y | | 180 00 | |
| | | 18 | | | | |




Range 408+98.13 (N)

F.B. 1288 PG. 244

Job No. 8412 Division No. ____ Notes Red ____ Date ____ Plotted H.U.M.H. Date 1947. No. ____ Profile

Survey of Beach Erosion Notes GWR 11-26-46 Notes Chkd. ____ Checked ____ No. ____ X-Sec.

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

Indexed C. Johnson Date ____

FORM 307 SM 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile Notes Red No. ____ Date 12-18-46 Plotted H.L.M.H. Job No. 8442 Division No. ____
X-Sec. Notes Chkd. LWL Checked 1947 Survey of Beach Erosion Date 11-26-46
No. ____ Date 12-19-46 Map No. ____ Surveyed by Clemens Noted C.H. Jehnsen Date ____

F.B. 1250 PG. 245

| STATION | | B. S. | H. I. Mec.s. | F. S. | ELEV. Tit. | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Depth | Bottom | Tide | Adj. Depth | Remarks |
| 1 | R | 11:09 | 2.-2.5 | 2½ | 5.7 | +3.0 | Range 40.6+44.02 (N) Going Out. |
| 2 | Y | | 3.-4.0 | 3¾ | | +1.9 | |
| 3 | W | | 4.-5.0 | 4¾ | | +0.9 | |
| 4 | Y | | 5.-5.5 | 5½ | | 0.0 | |
| 5 | W | | 6.1-6.9 | 6¼ | | -1.2 | |
| 6 | R | 11:15 | 8.-8.5 | 8½ | 5.2 | -3.0 | |
| 7 | Y | | 9.3-9.9 | 9⅝ | | 4.3 | |
| 8 | W | | 10.9-11.5 | 11¼ | | 5.9 | |
| 9 | Y | | 12.5-13.2 | 12⅞ | | 7.5 | |
| 10 | W | | 14.-15. | 14¾ | | 9.1 | |
| 11 | R | 11:21 | 16.-16.9 | 16¾ | 5.1 | 11.2 | Boat 456+44.02 (N) |
| 12 | Y | | 18-19.0 | 18¾ | | 13.2 | |
| 13 | W | | 19.8-20.6 | 20¼ | | 15.0 | |
| 14 | Y | | 21.1-21.8 | 21¾ | | 16.2 | |
| 15 | W | | 22.4-23.2 | 22¾ | | 17.6 | |
| 16 | R | 11:27 | 24.5-25.2 | 24¾ | 5.9 | 19.7 | |
| 17 | Y | | 26.1-26.8 | 26¾ | | 21.3 | |
| 18 | W | | 27.8-28.8 | 28¼ | | 23.1 | |
| 19 | Y | | 30.-30.6 | 30¾ | | 25.2 | Inside toe of breakwater |
| 20 | W | | 28.8-29.3 | 30¾ | | 25.0 | End of line |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | Meas. Depth | F. S. Botom | Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 11:50 | 27.5 - 28.3 | 27.8 | 4.6 | 23.2 | Range 408+98.13 (N) Going In. |
| 2 | Y | | 30. - 30.8 | 30.3 | | 25.7 | inside toe of break. |
| 3 | W | | 28.2 - 29.2 | 28.5 | | 23.9 | water |
| 4 | Y | | 27. - 27.7 | 27.2 | | 22.6 | |
| 5 | W | | 25.2 - 26.0 | 25.5 | | 20.9 | |
| 6 | R | 12:03 | 22.5 - 23.2 | 22.7 | 4.4 | 18.3 | |
| 7 | Y | | 20.8 - 21.3 | 21.0 | | 16.6 | |
| 8 | W | | 18.8 - 19.2 | 18.9 | | 14.5 | |
| 9 | Y | | 15.5 - 16.2 | 15.7 | | 11.3 | |
| 10 | W | | 13.1 - 13.6 | 13.3 | | 8.9 | |
| 11 | R | 12:10 | 11.0 - 11.4 | 11.1 | 4.2 | 6.9 | |
| 12 | Y | | 8.8 - 9.3 | 9.0 | | 4.8 | |
| 13 | W | | 7.0 - 7.5 | 7.2 | | 3.0 | |
| 14 | Y | | 5.5 - 6.0 | 5.7 | | 1.5 | |
| 15 | W | | 4.5 - 5.1 | 4.7 | | 0.5 | |
| 16 | R | 12:14 | 3.0 - 3.8 | 3.3 | 4.1 | +0.8 | |
| 17 | Y | | 1.8 - 2.1 | 1.9 | | +2.2 | End of line |
| ~~18~~ | ~~W~~ | | | | | | |
| ~~19~~ | ~~Y~~ | | | | | | |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 408+98.13 (N)

F.B. 1288 PG. 246

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

Survey of Beach Erosion Date 12-18-46 Date 1947 No. ____ X-Sec.

Survey by Meneck Notes 904, 11-26-46 Notes Chkd. Lowe Checked ____ No. ____

Indexed C. Johnson Date ____ Date 12-19-46 Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Profile No. ____ X-Sec. No. ____

Notes Red ____ Date ____ Notes Chkd ____ Date ____

Plotted H.U.M.H. Date 1947 Checked ____ Date ____

Job No. 2412 Division No. ____ Survey of ____ Survey by ____ Map No. ____

Notes A. C. Johnson Date 1-26-46 Indexed ____ Date ____

F.B. 1208 Pg. 247

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| Inst. At / Sight On | # | Color | Time | Hor. Ang. | Remarks |
| 413+98 35 | 1 | R | 11:52 | 68-10 | RANGE 408+98.13 (N) |
| N ON 408+98 13 -N | 2 | W | | 67-15 | → Inside toe of breakwater |
| 934.13 ON | 3 | W | | 65-10 | |
| OFFSET 934.13 OFFSET | 4 | Y | | 64-45 | |
| | | W | | 61-25 | |
| | | R | 12:04 | 54-55 | |
| | | Y | | 53-00 | |
| | | W | | 48-25 | |
| | | Y | | 45-40 | |
| | | W | | 44-50 | |
| | | R | 12:10 | 42-20 | |
| | | | | 41-00 | |
| | | W | | 37-00 | |
| | | | | 31-25 | |
| | | W | | 25-25 | |
| | 5 | R | 12:15 | 20-55 | |
| | 17 | Y | | 16-45 | END OF LINE. |

Cut in. 408+98.13 (N).

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 411+48.24 -N ON 834.13' OFFSET | 46 [illegible] -N ON 834.13' OFFSET | 1 | | 12:27 | [illegible] | CHANGE 411+48.24 (N) |
| | | 2 | | | [illegible] | |
| | | 3 | | | [illegible] | |
| | | 4 | | | [illegible] | |
| | | 5 | | | [illegible] | |
| | | 6 | | 12:39 | [illegible] | |
| | | 7 | | | 51-[illegible] | |
| | | 8 | | | [illegible] | |
| | | 9 | | | [illegible] | |
| | | 10 | | | [illegible] | |
| | | 11 | | 12:46 | [illegible] | |
| | | 12 | | | 57-[illegible] | |
| | | 13 | | | 60-[illegible] | |
| | | 14 | | | 61-[illegible] | |
| | | 15 | | | 66-[illegible] | |
| | | 16 | | 12:57 | 67-[illegible] | |
| | | 17 | | | 68-[illegible] | OUT. |
| | | 18 | W | | 69-[illegible] | |
| | | 19 | Y | | 69-[illegible] | END OF LINE. Inside toe of brkwater |

Cut in. 411+48.24 (N)

F.B. 1288 PG. 248

Job No. 8412 Division No. Notes Red Plotted H. U. M. H. Date 1947 No. Profile

Survey of [illegible] Erosion Date X-Sec.

Survey by [illegible] Notes Checked Date No.

Indexed A. C. Johnson Date Notes Chkd Date No.

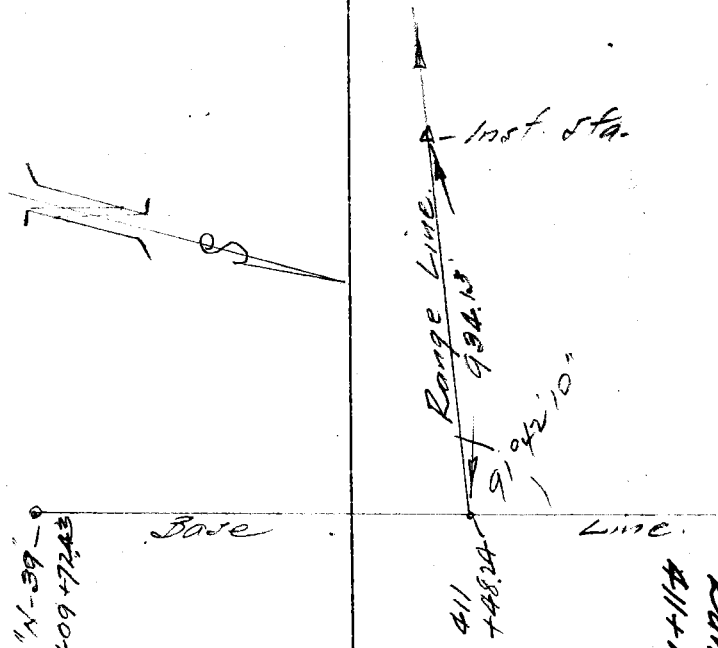
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 411 | 411 | 1 | R | 1227 | 18000 | Range Line ∡ = 180° at inst. sta. |
| +48.24 | +48.24 | 2 | Y | | 179 10 | 934.13' out on range line |
| 934.13' | at | 3 | W | | 180 00 | |
| out | base | 4 | Y | | 179 30 | |
| on | line | 5 | W | | 180 25 | |
| range | | 6 | R | 1239 | 179 40 | |
| line | | 7 | Y | | 178 35 | |
| | | 8 | W | | 180 15 | |
| | | 9 | Y | | 180 00 | |
| | | 10 | W | | 179 50 | |
| | | 11 | R | 1246 | 180 20 | |
| | | 12 | Y | | 180 20 | |
| | | 13 | W | | 180 15 | |
| | | 14 | Y | | 180 00 | |
| | | 15 | W | | 181 10 | |
| | | 16 | R | 1257 | 180 20 | |
| | | ~~17~~ | ~~Y~~ | | ~~180 35~~ | |
| | | 18 | W | | 180 45 | |
| | | 19 | Y | | 180 15 | Inside toe of breakwater |




Range
411+48.24(N)

Profile
No. ____ Date ____ Notes Red ____ Plotted H.U.M.H. Job No. 842 Division No. ____
X-Sec. Date 1947. Survey of Beach Erosion
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by Klemeck Notes GWK Date 11-26-46
Date ____ Map No. ____ Indexed R. C. Johnson Date ____

F.B. 1289 Pg. 249

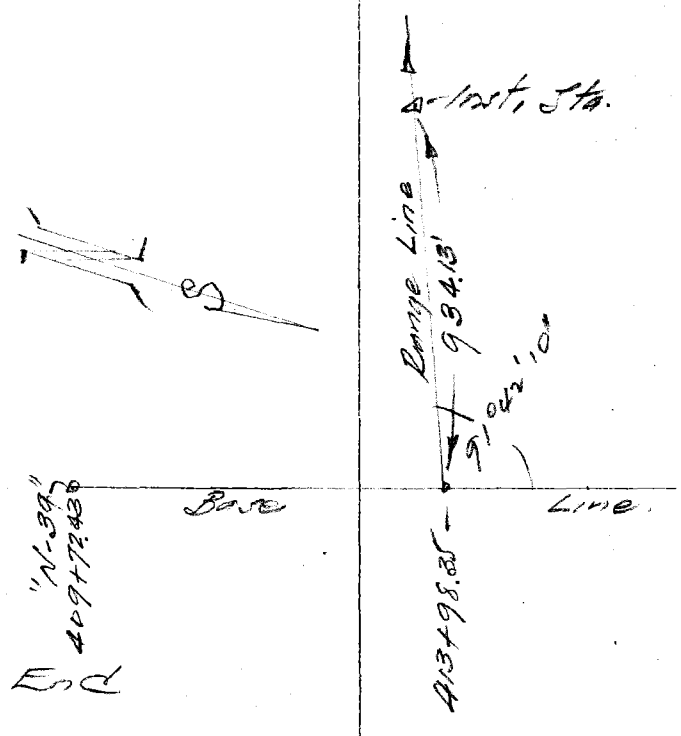
FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION Inst. At | Sight On | B. S. # | H. I. Color | F. S. Time | ELEV. Hor. Ang. | Remarks |
|---|---|---|---|---|---|---|
| 413+ | 413+ | 1 | R | 932 | 18[illegible]5 | Range Line ∡ = 180° at inst. Sta. |
| 98.35 | 98.35 | 2 | Y | | 18[illegible]5 | Inside toe of breakwater |
| 934.13' | at | 3 | W | | 18[illegible]5 | |
| out on | base | 4 | Y | | 18[illegible]0 | |
| range | line | 5 | W | | 180[illegible] | |
| | | 6 | R | 943 | 18[illegible]0 | |
| | | 7 | Y | | 18[illegible]5 | |
| | | 8 | W | | 181[illegible]0 | |
| | | 9 | Y | | 180[illegible]0 | |
| | | 10 | W | | 180[illegible]5 | |
| | | 11 | R | 950 | 179[illegible]5 | |
| | | 12 | Y | | 180[illegible]0 | |
| | | 13 | W | | 179[illegible]0 | |
| | | 14 | Y | | 180[illegible]0 | |
| | | 15 | W | | 180[illegible]5 | |
| | | 16 | R | 954 | 181[illegible]0 | |
| | | 17 | Y | | 181[illegible]0 | |
| | | 18 | W | | 180[illegible]0 | End |




Range 413+98.35 (N)

F.B. 288 PG. 250

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

Survey of Beach Erosion Date Date 1947 No. X-Sec.

Survey by Kleinrock Notes GWK 11-27-46 Notes Chkd. Checked

Indexed A. C. Johnson Date Date No.

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Bottom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 12:26 | 1.5 - 1.7 | 1.6 | 4.0 | +2.4 | Range 411+48.24 (N) |
| 2 | Y | | 3.2 - 3.8 | 3.4 | | +0.6 | Going Out. |
| 3 | W | | 4.9 - 5.2 | 5.0 | | -1.0 | |
| 4 | Y | | 6.6 - 7.0 | 6.7 | | -2.7 | |
| 5 | W | | 8. - 8.2 | 8.1 | | 4.1 | |
| 6 | R | 12:37 | 10. - 10.2 | 10.1 | 3.8 | 6.3 | |
| 7 | Y | | 12. - 12.5 | 12.2 | | 8.4 | |
| 8 | W | | 14. - 14.2 | 14.1 | | 10.3 | |
| 9 | Y | | 16. - 16.2 | 16.1 | | 12.3 | |
| 10 | W | | 17. - 17.2 | 17.1 | | 13.3 | |
| 11 | R | 12:45 | 19. - 19.2 | 19.1 | 3.7 | 15.4 | |
| 12 | Y | | 21. - 21.3 | 21.1 | | 17.4 | |
| 13 | W | | 22.5 - 22.9 | 22.6 | | 18.9 | |
| 14 | Y | | 24 - 24.2 | 24.1 | | 20.4 | |
| 15 | W | | 25.6 - 25.8 | 25.7 | | 22.0 | |
| 16 | R | 12:54 | 27. - 27.3 | 27.1 | 3.4 | 23.7 | |
| 17 | Y | | | | | | This shot omitted |
| 18 | W | | 28.8 - 29.0 | 28.9 | | 25.5 | |
| 19 | Y | | 27.3 - 27.5 | 27.4 | | 24.0 | End of line inside toe of breakwater |
| ~~20~~ | ~~W~~ | | | | | | |

Boat 411+48.24 (N)

Profile No. ____ Notes Red. NR Plotted H.U.M.H Job No. 8412 Division No. ____ F.B. 1288 Pg. 251
Date 12-18-46 Date 1947. Survey of Beach Erosion
X-Sec. No. ____ Notes Chkd. RWL Checked ____ Survey by Kleinert Notes G.O.H. Date 11-26-46
Date 12-19-46 Date ____ Map. No. ____ Indexed: S. Johnson Date ____

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION # | Color | B. S. Time | H. I. Meas. Depth | F. S. Botom | ELEV. Ht. Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | R | 8:04 | 12.5-13.5 | | | | Range 406+44.02 (N) |
| 2 | Y | | 16.4-17.4 | | | | GOING OUT. |
| 3 | W | | 30-31 | | | | |
| 4 | Y | | 32.6-33.8 | | | | |
| 5 | W | | 35-34.7 | | | | END OF LINE |
| 1 | R | 8:15 | 32.2-34.2 | | | | RANGE 408+98.13 (N) |
| 2 | Y | | 31.2-32.1 | | | | GOING IN |
| 3 | W | | 17.5-20.3 | | | | END OF LINE. |
| 1 | R | 8:27 | 17.6-19.6 | | | | RANGE 411+48.24 (N) |
| 2 | Y | | 29.5-30 | | | | GOING OUT |
| 3 | W | | 33-33.1 | | | | END OF LINE. |
| 1 | R | 8: | 33.4-34 | | | | RANGE 413+[illegible] (N) |
| 2 | Y | | 29-29.8 | | | | GOING IN |
| 3 | W | | 23-24 | | | | END OF LINE. |

Copied
[illegible]

F.B. 1288 PG. 252

Job No. 9412 Division No. Notes Red. Plotted H. U. M. H. Profile
Survey of Beach Erosion Date Date 1947 No. X-Sec.
Survey by Hemet Notes D.S. 11-27-46 Notes Chkd. Checked No.
Indexed Date Date Date

FORM 307 5M 1-46

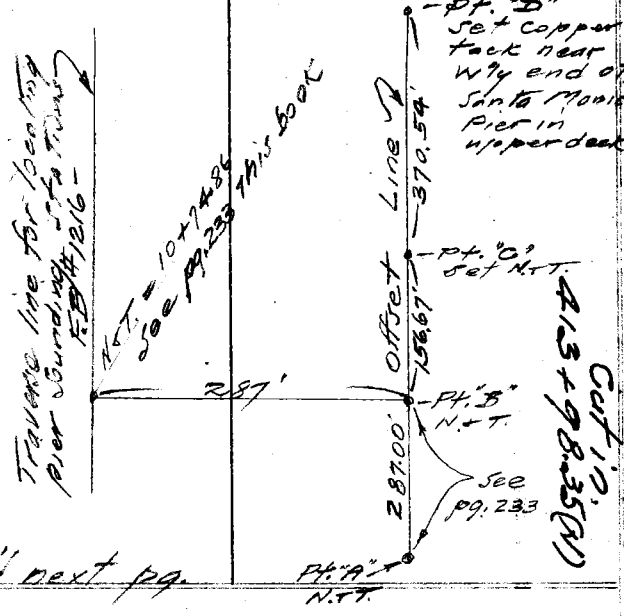
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|
| Inst. Sight At On | # | Color | Time | Hor. Ang. | Remarks | |
| ~~C B~~ | 1 | R | ~~9:14~~ | ~~239-35~~ | Range Line | ~~421+68.48~~ |
| | 2 | Y | | ~~241-50~~ | End of [illegible] | |
| | 3 | W | | ~~242 50~~ | Copied — [illegible] | |
| C B | 1 | R | 9:32 | 227-05 | Range Line | 413+98.35 |
| | 2 | Y | | 228-40 | Inside toe of breakwater | |
| | 3 | W | | 235 35 | | |
| | 4 | Y | | 243 40 | | |
| | 5 | W | | 250 15 | | |
| | 6 | R | [illegible] | 256 05 | | |
| | 7 | Y | | 259 50 | | |
| | 8 | W | | 262 50 | | |
| | 9 | Y | | 264 15 | | |
| | 10 | W | | 265 25 | | |
| | 11 | R | 9 49 | 266 15 | | |
| | 12 | Y | | 268 10 | | |
| | 13 | W | | 272 10 | | |
| | 14 | Y | | 278 20 | | |
| | 15 | W | | 281 10 | | |
| | 16 | R | 9:53 | 284 20 | Cont'd next pg. | |

See Sketch pg.




Profile No. ____ Notes Red. ____ Plotted H. U. M. H. Job No. 8412 Division No. ____
X-Sec. No. ____ Date ____ Date 1947 Survey of Beach Erosion
Notes Chkd. ____ Checked ____ Survey by Hlawek Notes C.W.W. Date 11-27-46
Date ____ Date ____ Map No. ____ Andrew Johnson Date ____

F.B. 1288 PG. 253

F.B. 1288 PG. 254

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

Survey of Beach Erosion Date _____ Date 1947 No. _____

Survey by Meineck Notes GWW 11-27-46 Notes Chkd. _____ Checked _____ X-Sec.

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

Cut in
413+98.35 (N)

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

| STATION | B.S. | H.I. | F.S. | ELEV. | | |
|---|---|---|---|---|---|---|
| Inst. Sight | | | | | | |
| At On | # | Color | Time | Hor. Ang. | | Remarks |
| C B | 17 | Y | | 28[illegible] | Range 413+98.35 Cont'd | |
| | 18 | W | | 288[illegible] | | |

FORM 307 5M 1-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

**Do not extend notes this side of this line.**

| STATION | B. S. | H. I. | F. S. | ELEV. | | | |
|---|---|---|---|---|---|---|---|
| # | Color | Time | Meas. Depth | Bottom | Ht. Tide | Adj. Depth | Remarks |
| 1 | R | 8:45 | 20.6-21.5 | | | | RANGE 416+42.46 (N) |
| 2 | Y | | 29-30 | | | | GOING OUT |
| 3 | W | | 33-34 | | | | END OF LINE. |
| 1 | R | 8:56 | 33-34 | | | | RANGE 418+98.57 (N) |
| 2 | Y | | 29.4-31.1 | | | | GOING IN |
| 3 | W | | 24.5-25.5 | | | | END OF LINE |
| 1 | R | 9:05 | 19-20.5 | | | | RANGE 421+48.68 (N) |
| 2 | Y | | 29-30.1 | | | | GOING OUT |
| 3 | W | | 33-33.8 | | | | END OF LINE. |
| 1 | R | 9:15 | 29.5-30.4 | | | | NORTH END OF |
| 2 | Y | | 29.2-30 | | | | BREAKWATER OUTSIDE |
| 3 | W | | 29.5-30 | | | | AND INSIDE. |

Copied
[illegible]

Profile
No. X-Sec.
Notes Red. Plotted H. U. M. H. Job No. 8412 Division No.
Date Date 1947 Survey of BEACH EROSION
Notes Chkd. Checked Survey by KLEINEU Notes D.S. Date 11-27-46
No. Date Date Map No. Indexed Johnson Date

F.B./2[illegible]

1288

LOS ANGELES COUNTY SURVEYOR

Do not extend [illegible] this line.

STATION

| # | Color | Time | Depth | Botom | Tide | Adj. Depth | Remarks |
|---|---|---|---|---|---|---|---|
| 0 | [illegible] | 9:[illegible] | 28.7-28.[illegible] | 28.8 | 5.6 | -23.2 | Range 413 + 98.35 (N) |
| 1 | | | 30.5-[illegible].0 | 30.7 | | 25.1 | Going in. |
| 2 | | | 27-30.0 | 29.3 | | 23.7 | Inside toe of break water. |
| 3 | [illegible] | | 27-[illegible] | 27.2 | | 21.6 | |
| 4 | W | | 2[illegible] | 25.0 | | 19.4 | |
| 5 | R | 9:[illegible] | 2[illegible]-23.8 | 23.3 | 5.6 | 17.7 | |
| 6 | [illegible] | | 21.3-22.0 | 21.5 | | 15.9 | |
| 7 | W | | 19.0-19.4 | 19.1 | | 13.5 | |
| 8 | Y | | 17-17.8 | 17.1 | | 11.5 | |
| 9 | W | | 14-14.3 | 14.1 | | 8.5 | |
| 10 | R | 9:[illegible] | 11.5-12.[illegible] | 11.8 | 5.7 | 6.1 | |
| 11 | Y | | 9.4-10.4 | 9.7 | | 4.0 | |
| 12 | W | | 8.5-9.2 | 8.7 | | -3.0 | |
| 13 | Y | | 7-7.9 | 7.3 | | -1.6 | |
| 14 | W | | 6-6.8 | 6.3 | | -0.6 | |
| 15 | R | 9:53 | 4.[illegible]-5.6 | 5.1 | 5.7 | +0.6 | |
| 16 | Y | | 3.5-4.7 | 3.9 | | +1.8 | |
| 17 | W | | 2.5-3.2 | 2.7 | | +3.0 | End of line. |

Boat 413 + 98.35 (N)

Profile

No.

Plotted

Date 12-18-46

Checked

Date 12-13-46

Notes Red 242

Date 12-18-46

Notes Chkd. [illegible]

Date 12-13-46

Division No. 1412

Notes D.S. 11-27-46

Date

[illegible] Erasian

[illegible]