| Notes Ck'd by | Survey of LAS TUNAS BEACH | F. B. 2825 PG. 5 |
|---|---|---|
| Office Work | JN 0300.02 Tape — Std. — °F | |
| | Surveyed by W. A. RICHARDS | |
| | Notes W. A. R. Date 1-76 | |
| | Indexed G. D. BAILEY FEB 5 1976 | |

J. N. 0300.02

HYDROGRAPHIC SURVEY
LAS TUNAS BEACH AREA

FROM RANGE LINE STATION 715+00 N.
TO " " " 796+38.85 N.

CONTROL SURVEYS REF: FB. 3790, C.S.B. 1726
VERTICAL DATUM = M.L.L.W.
TIDE GAUGE LOCATION - L.A. OUTER HARBOR
TIDE GAUGE DATA INCLUDED AT THE END OF EACH DAY

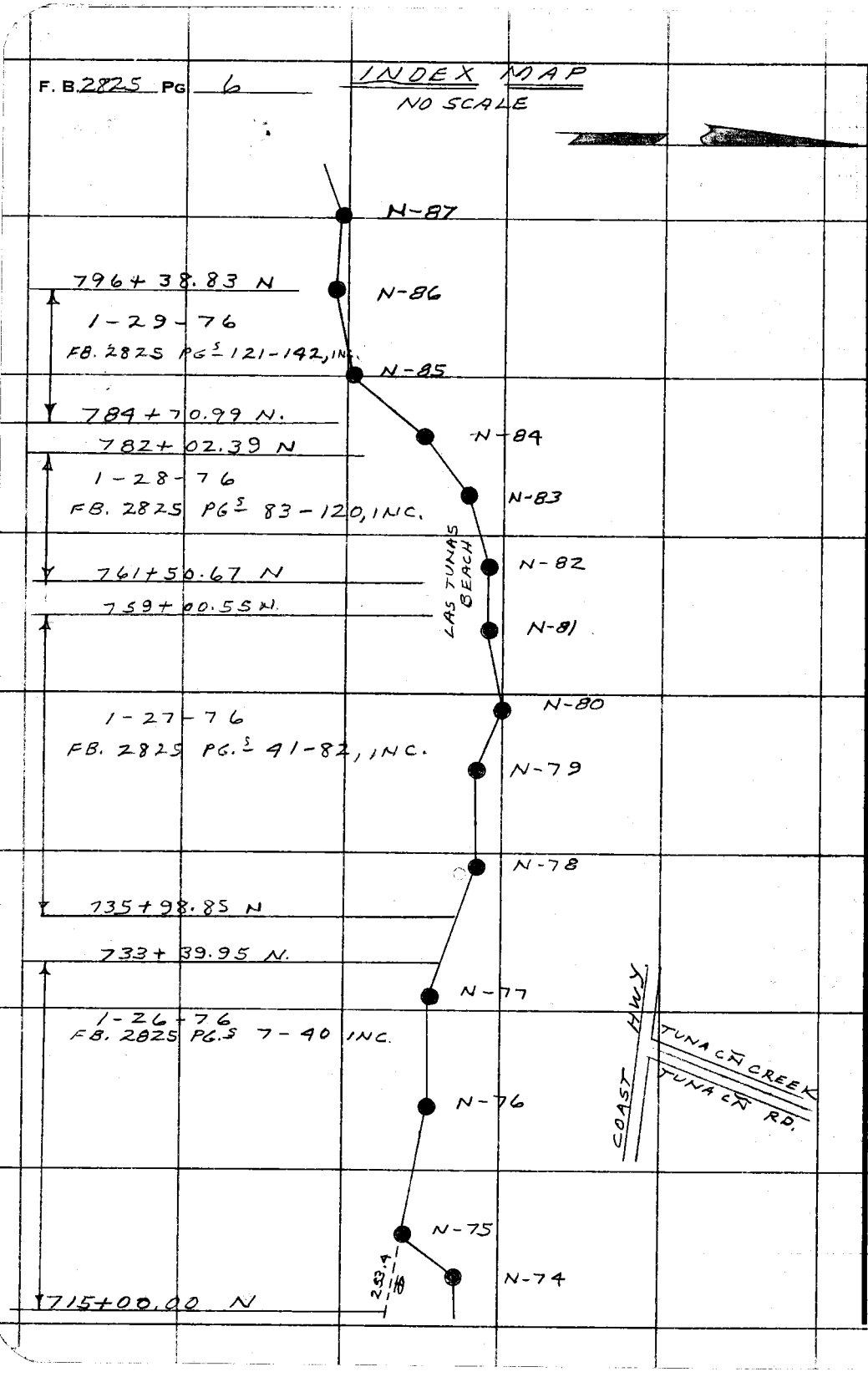
| | | | |
|---|---|---|---|
| CHARDS | BAZEN | ENGLISH | DREIER |
| UNEZ | TULLIER | CARO | GOBLE |
| URRILL | | SHOEMAKER | BANKSON |
| STRUM | | CLIFFORD | SIEMAN |
| | | STROUD | KROHN |
| | | BRADLEY | SEIDEL - BEACHES DEPT. |

76F309S

F. B. 2825 PG 6

# INDEX MAP

NO SCALE




PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend 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.

76-L-298 CE 307 5-66

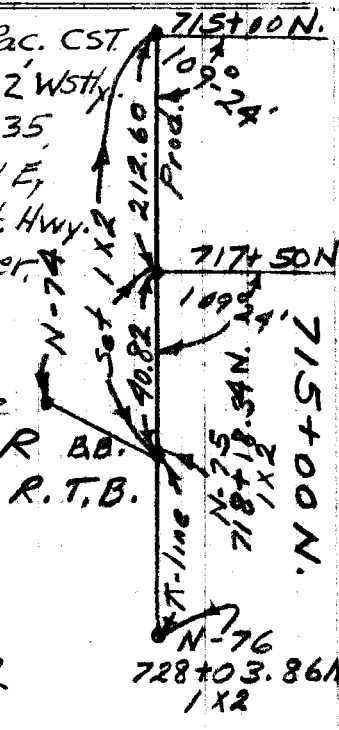
PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. (M.L.L.W.) | 715+00 N. (M.S.L.) |
|---|---|---|---|---|---|
| B.M. 48-63 | | | | 31 48 | B.M. #48-63 El.=28.733 Pac. CST. |
| | 672 | 38 20 | | | Hi-Way & Topanga CRK. 95.2' WSthly |
| T. P. | 551 | 39 96 | 375 | 34 45 | of S.W. end Bridge #53-35 |
| | 004 | 34 00 | 600 | 33 96 | 49.4' Estly of P.P. #1199251 E, |
| | 006 | 28 43 | 563 | 28 37 | 30.6' Sothly of ℄ Pac. Cst. Hwy. |
| | 020 | 22 56 | 607 | 22 36 | Br. Cap in Wall With Cover |
| | 053 | 17 03 | 606 | 16 50 | Topanga Cñ C-8A. |
| 715+00N. | 295 | 17 70 | 228 | 14 75 | 1X2, T.P. |
| 715+00N. | | | 4 6 | 13 1 | sand T-line |
| | | | 3 7 | 14 0 | 9' R B.B. |
| | | | 0 0 | 17 7 | (Priv. Prop. back yard) 22' R.T.B. |
| | 0 22 | 14 97 | 2 95 | 14 75 | T.P. |
| | | | 2 2 | 12 8 | 30' L. Brk. |
| | | | 9 2 | 5 8 | 73' L. Sand |
| T.P. | -203 | 6 21 | 6 23 | 8 24 | 73' L. Top 1X2 |
| | | | 1 6 | 4 6 | 82' L. M.H.W SAND |
| | | | 4 7 | 1 5 | 117 SAND BEGIN BRK & ROCKS |
| | | | 6 9 | -0 8 | #1 10° 00' |
| | | | 8 2 | -2 0 | 2 11 54 |
| | | | 9 1 | -2 9 | 3 13 58 |

TRANSIT AT 725+72.67, SIGHT ON N.75




DATUM
MEAN LOWER LOW WATER

CONT.

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11
No. ____ Date ____ Date ____ Survey of ____
X-Sec. Notes Chk'd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Index D. BAILEY Date FEB 5 1976

F. B. 28815 PG. 7

F. B. 2825 Pg. 8 | Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile

Survey of LAS TUNAS BEACH Date 1-26-76 Date ____ No. ____

Survey by RICHARDS Notes DREIER Notes Chk'd. ____ Checked ____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date ____ Date ____ No. ____

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

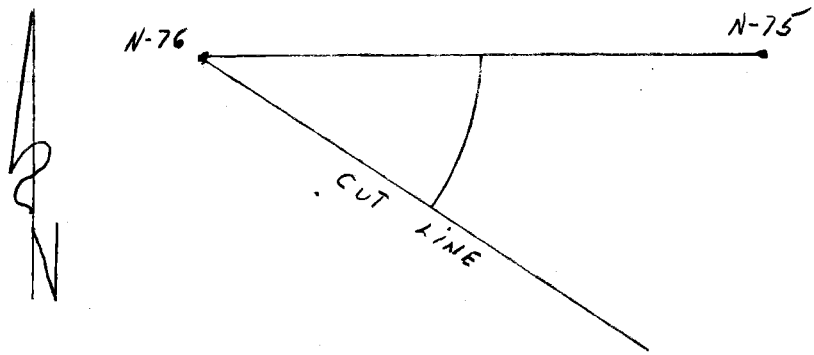
| STATION | B. S. | H. I. | F. S. | ELEV. |
|---|---|---|---|---|
| 715+00 | | 6.21 | | |
| | | | 100 | -3.79 |
| | | | 105 | -4.63 |
| | | | 130 | -6.8 |
| | | | 162 | -10.0 |
| 715+00 | | | | |
| 4 | | | | 16.12 |
| 5 | | | | 17.37 |
| 6 | | | | 19.09 |
| 7 | | | | 21.08 |

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 9

X-Sec. No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO-SURVEY

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-26-76

Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976




RANGE LINE 715+00.00

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-76 | N-75 | 10:15 | 1 | 51 | 35 | | | |
| | | | 2 | 50 | 37 | | | |
| | | | 3 | 49 | 37 | | | |
| | | | 4 | 48 | 41 | | | |
| | | | 5 | 47 | 21 | | | |
| | | | 6 | 46 | 03 | | | |
| | | | 7 | 44 | 42 | | | |
| | | | 8 | 42 | 45 | | | |
| | | | 9 | 41 | 06 | | | |
| | | | 10 | 38 | 36 | | | |
| | | | 11 | 36 | 12 | | | |
| | | | 12 | 33 | 39 | | | |
| | | | 13 | 31 | 23 | | | |
| | | | 14 | 28 | 38 | | | |
| | | | 15 | 26 | 23 | | | |
| | | | 16 | 24 | 12 | | | |
| | | | 17 | 21 | 29 | | | |
| | | | 18 | 19 | 12 | | | |
| | | | 19 | 17 | 26 | | | |
| | | | 20 | 15 | 41 | | | |

76L298 307 Cdb 12-62

F. B. 2825 PG. 10 | Job No. 2300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date _____ Date _____ No. _____

761.298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| N-76 | N-75 | | 21 | 14 | 14 | | | |
| | | 10:23 | 22 | 12 | 33 | | | |
| | | | 23 | | | | | |

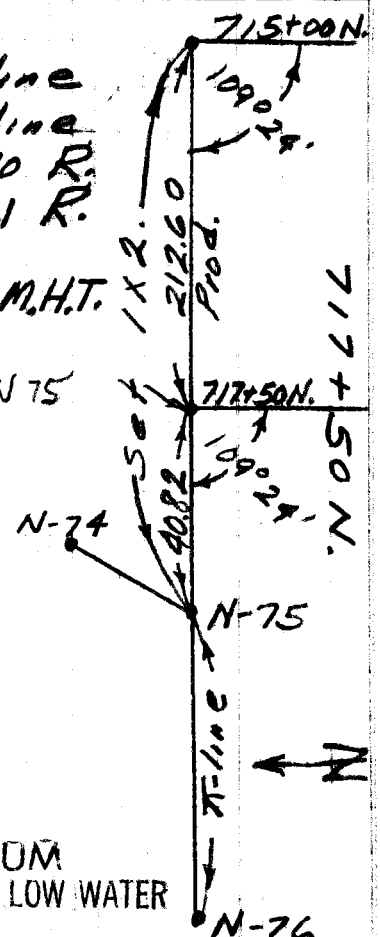
76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 717 + 50 N. |
|---|---|---|---|---|---|
| T.P. | 734 | 15 58 | | 8 24 | |
| 717+50N. | 047 | 15 90 | 0 15 | 15 43 | 1x2 π-line |
| 717+50N. | | | 2 2 | 13 7 | Sand π-line |
| | | | 2 3 | 13 6 | Pri. prop. Brk. 20 R. |
| | | | 1 4 | 14 5 | " " " 21 R. |
| | | | 2 8 | 13 1 | 18' L. " |
| | | | 11 3 | 4 6 | 68' L. Sand M.H.T. |
| T.P. | -095 | 6 5 58 | 9 17 | 6 73 | 68' L. Top 1x2 |
| | | | | | π AT 725+72.67 SIGHT ON N 75 |
| | | | 159 | -103 | #1 26° 04' |
| | | | 138 | -82 | 2 23 43 |
| | | | 122 | -66 | 3 21 53 |
| | | | 108 | -52 | 4 18 48 |
| | | | 97 | -41 | 5 17 02 |
| | | | 78 | -22 | 6 13 50 |
| | | | 69 | -13 | 7 11 51 |
| | | | 61 | -05 | 8 9° 54' |
| | | | 38 | 18 | 75' FT. LEFT |




DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. ____ F. B. 2825 Pg. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Las Tunas Beach Hydrosurvey
Notes Chk'd. ____ Checked ____ Survey by English Notes Garo Date 1-26-76
Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 12 Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chk'd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

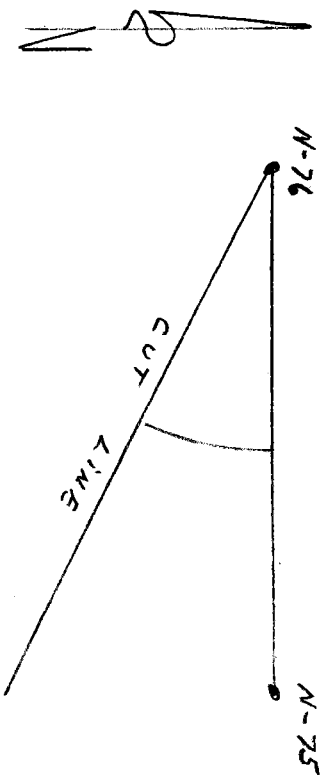
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-76 | N-75 | 10:30 | 1 | 54 | 14 | | | |
| | | | 2 | 53 | 38 | | | |
| | | | 3 | 52 | 53 | | | |
| | | | 4 | 52 | 06 | | | |
| | | | 5 | 51 | 19 | | | |
| | | | 6 | 50 | 13 | | | |
| | | | 7 | 49 | 10 | | | |
| | | | 8 | 48 | 06 | | | |
| | | | 9 | 46 | 36 | | | |
| | | | 10 | 45 | 00 | | | |
| | | | 11 | 43 | 17 | | | |
| | | | 12 | 41 | 22 | | | |
| | | | 13 | 39 | 19 | | | |
| | | | 14 | 37 | 19 | | | |
| | | | 15 | 34 | 41 | | | |
| | | | 16 | 32 | 44 | | | |
| | | | 17 | 30 | 42 | | | |
| | | | 18 | 29 | 17 | | | |
| | | | 19 | 27 | 27 | | | |
| | | | 20 | 25 | 45 | | | |




RANGE LINE 717+50.00

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 300.12 Division No. 11 F.B. 2825 Pg. 13
Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-26-76
Date ____ Date ____ Map No. ____ Indexed D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 14 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº. |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-76 | N-75 | | 21 | 23 | 52 | | | |
| | | | 22 | 21 | 20 | | | |
| | | | 23 | 19 | 30 | | | |
| | | | 24 | 17 | 29 | | | |
| | | | 25 | 15 | 12 | | | |
| | | 10:37 | 26 | 12 | 56 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 720+42.57 N. |
|---|---|---|---|---|---|
| T.P. N 720+42.57 | 891 | 1564 | | 673 | |
| | | | 18 | 138 | Sand ⊼-line |
| | | | 21 | 135 | Pri. Prop. Sand Bott. Wall 36' R. |
| | | | 21 | 135 | 5' L. Sand T. Brk. |
| | | | 110 | 46 | 54' L. M.H.T. |
| | 112 | | 863 | 701 | 57' L. Top 1x2 |
| | | | 113 | 43 | 57' L. Sand |
| | | | | | TRANSIT AT 725+72.67 SIGHT N 75 |
| | | 589 | 169 | -110 | #1 35° 07' |
| | | | 148 | -89 | 2 31 30 |
| | | | 134 | -75 | 3 28 02 |
| | | | 111 | -52 | 4 23 55 |
| | | | 108 | -49 | 5 21 28 |
| | | | 73 | -14 | 6 15 35 |
| | | | 55 | 04 | 7 11° 51' |
| | | | 41 | 18 | 90 FT LEFT |

DATUM
MEAN LOWER LOW WATER

720+42.57 N.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 15
X-Sec. No. ____ Date ____ Date ____ Survey of Las Tunas Beach Hydrosurvey
Notes Chk'd. ____ Checked ____ Survey by English Notes Caro Date 1-26-76
Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 16 Job No. 0310.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

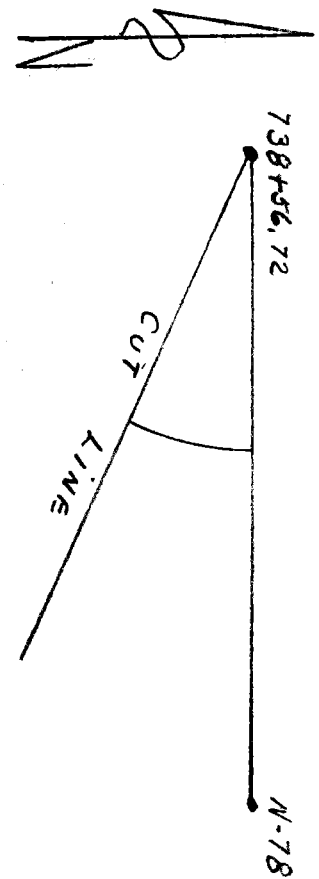
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 738+56.72 | N-78 | 10:58 | 1 | 65 | 08 | | | |
| | | | 2 | 64 | 15 | | | |
| | | | 3 | 63 | 06 | | | |
| | | | 4 | 61 | 50 | | | |
| | | | 5 | 60 | 31 | | | |
| | | | 6 | 58 | 47 | | | |
| | | | 7 | 56 | 24 | | | |
| | | | 8 | 54 | 15 | | | |
| | | | 9 | 52 | 13 | | | |
| | | | 10 | 50 | 25 | | | |
| | | | 11 | 48 | 35 | | | |
| | | | 12 | 46 | 15 | | | |
| | | | 13 | 44 | 05 | | | |
| | | | 14 | 42 | 03 | | | |
| | | | 15 | 40 | 30 | | | |
| | | | 16 | 38 | 35 | | | |
| | | | 17 | 36 | 45 | | | |
| | | | 18 | 34 | 59 | | | |
| | | | 19 | 32 | 59 | | | |
| | | | 20 | 31 | 35 | | | |




RANGE LINE 720+42.57

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2825 Pg. 17
No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-26-76
No. ____ Date ____ Date ____ Map No. ____ Indexed R.D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 18 Job No. 0360.62 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº. |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 738+56.72 | N-78 | | 21 | 30 | 20 | | | |
| | | | 22 | 29 | 13 | | | |
| | | | 23 | 27 | 49 | | | |
| | | | 24 | 26 | 16 | | | |
| | | | 25 | 24 | 41 | | | |
| | | | 26 | 23 | 00 | | | |
| | | 11:06 | 27 | 21 | 29 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 723+07.62N. |
|---|---|---|---|---|---|
| | | 1564 | | | |
| T.P. 723+07.62 N | 215 | 1572 | 207 | 1357 | 1×2 ⊼-line |
| | | | 21 | 136 | ⊼-line Sand T.B. |
| | | | 34 | 123 | Pri. Prop Sand Brk 45 R. |
| | | | 15 | 142 | " " " T. Brk 47 R. |
| | | | 113 | 46 | 53.5' L. M.H.T. |
| | 154 | | 857 | 715 | 54' L. Top 1×2 |
| | | | 11.5 | 42 | 54' L. Sand |
| | | | | | TRANSIT AT 720+42.57, SIGHT ON N76 |
| | | 561 | 36 | 20 | 77 FT LEFT SAND |
| | | | 57 | -01 | #1 28° 50' |
| | | | 95 | -39 | 2 45 39 |
| | | | 103 | -47 | 3 51 50 |
| | | | 109 | -53 | 4 59 22 |
| | | | 133 | -77 | 5 66 20 |
| | | | 139 | -83 | 6 72° 43' |

723+07.62 N.

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 19
No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Caro Date 1-26-76
No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 20 Job No. 0300.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

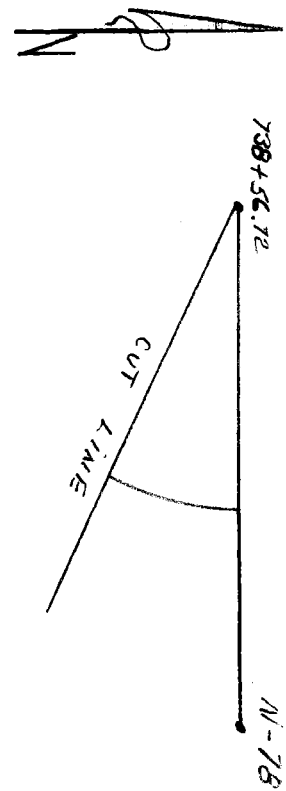
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 738+56.72 | N-78 | 11:26 | 1 | 66 | 47 | | | |
| | | | 2 | 65 | 43 | | | |
| | | | 3 | 64 | 31 | | | |
| | | | 4 | 62 | 52 | | | |
| | | | 5 | 61 | 21 | | | |
| | | | 6 | 59 | 43 | | | |
| | | | 7 | 57 | 30 | | | |
| | | | 8 | 55 | 30 | | | |
| | | | 9 | 53 | 06 | | | |
| | | | 10 | 50 | 11 | | | |
| | | | 11 | 47 | 02 | | | |
| | | | 12 | 44 | 00 | | | |
| | | | 13 | 41 | 06 | | | |
| | | | 14 | 38 | 27 | | | |
| | | | 15 | 36 | 07 | | | |
| | | | 16 | 33 | 08 | | | |
| | | | 17 | 31 | 12 | | | |
| | | | 18 | 29 | 16 | | | |
| | | | 19 | 27 | 45 | | | |
| | | | 20 | 26 | 05 | | | |




RANGE LINE. 723+07.62

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2825 Pg. 21
X-Sec. No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-26-76
No. ____ Date ____ Date ____ Map No. ____ Indexed G.D. BAILEY Date FEB 5 1978

F. B. 2825 Pg. 22 Job No. 2300.62 Division No. 11 Notes Red. Plotted Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date Date No.

Survey by RICHARDS Notes R.T. Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At | Sight On | Time | Angle No | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only: Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| 730+56.72 | N-78 | | 21 | 24 | 17 | | | |
| | | 11:33 | 22 | 22 | 39 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 725+72.67N. |
|---|---|---|---|---|---|
| T.P. N | | 1572 | | | |
| 725+72.67 | 241 | 1519 | 294 | 1278 | 1×2 ⊼-line |
| | | | 29 | 123 | Sand ⊼-line |
| | | | 18 | 134 | Pri. Prop. " @ wall 7' R. |
| | | | 05 | 147 | " " " T. " 3' R. |
| | | | 01 | 151 | " " " 30' R. |
| | | | 106 | 46 | 47' L. Sand M.H.T. |
| | -224 | 517 | 778 | 741 | 47' L. Top 1×2 |
| | | | | | TRANSIT 720+42.57 |
| | | | 146 | -94 | 1 49° 05' |
| | | | 134 | -82 | 2 43 23 |
| | | | 112 | -60 | 3 38 38 |
| | | | 104 | -52 | 4 31 30 |
| | | | 93 | -41 | 5 26 41 |
| | | | 82 | -30 | 6 21 20 |
| | | | 71 | -19 | 7 16 42 |
| | | | 57 | -05 | 8 12° 38' |
| | | | 39 | 13 | 83 FEET LEFT |
| | | | 25 | 27 | 64 " " |

725+72.67 N.

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 23
No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrasurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Core Date 1-26-76
No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. Pg. 24 Job No._____ Division No._____ Notes Red_____ Plotted_____ Profile

Survey of_____ Date_____ Date_____ No._____

Survey by_____ Notes_____ Notes Chk'd._____ Checked_____ X-Sec.

Indexed_____ Date_____ Date_____ Date_____ No._____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

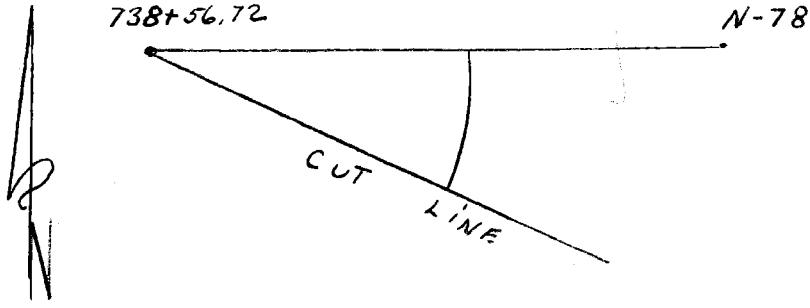
76-L-298 CE 307 5-66

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 25

X-Sec. No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-26-76

Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976




RANGE LINE 725+72.67

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 738+56.72 | N-78 | 11:40 | 1 | 71 | 52 | | | |
| | | | 2 | 70 | 53 | | | |
| | | | 3 | 70 | 02 | | | |
| | | | 4 | 68 | 51 | | | |
| | | | 5 | 67 | 41 | | | |
| | | | 6 | 66 | 18 | | | |
| | | | 7 | 64 | 37 | | | |
| | | | 8 | 63 | 04 | | | |
| | | | 9 | 61 | 22 | | | |
| | | | 10 | 58 | 46 | | | |
| | | | 11 | 56 | 09 | | | |
| | | | 12 | 52 | 57 | | | |
| | | | 13 | 50 | 15 | | | |
| | | | 14 | 46 | 59 | | | |
| | | | 15 | 43 | 31 | | | |
| | | | 16 | 40 | 02 | | | |
| | | | 17 | 36 | 32 | | | |
| | | | 18 | 32 | 56 | | | |
| | | | 19 | 29 | 57 | | | |
| | | | 20 | 27 | 31 | | | |

76L298 307 Cdb 12-62

F. B. 2825 PG. 26 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of LAS TUNAS HYDRO. SURVEY Date Date No.

Survey by RICHARDS Notes R.T. Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date Date No.

761298 307 Cdb 12-62

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

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

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

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 738+56.72 | N-78 | | 21 | 25 | 33 | | | |
| | | | 22 | 23 | 40 | | | |
| | | 11:48 | 23 | 22 | 57 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 ____ Date ____ Plotted ____ Date ____ Job No. 0300.02 Division No. 11
X-Sec. No. ____ Notes Chk'd ____ Date ____ Checked ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
Survey by E. Hallsh Notes Carc Date 1-26-76
Map No. ____ Index ____ Date ____ D. BAILEY Date FEB 5 1976
F. B. 2825 PG. 27

| STATION | B. S. | H. I. | F. S. | ELEV. | 728+35.83N. |
|---|---|---|---|---|---|
| | | 15 19 | | | |
| T.P. 728+35.83 N. | 1 80 | 12 70 | 4 29 | 10 90 | 1 x 2 ⊼-line |
| | | | 23 | 10 4 | Sand Brk. ⊼-line |
| | | | 08 | 11 9 | Pri. Prop. Sand Brk. 9' R. |
| | Hand level + rod | | 22 | 14 1 | " " " T. Brk. 16' R. |
| | " " + rod | | 27 | 14 3 | " " " @ Wall 27' R. |
| | | | 59 | 68 | 14' L. Sand Brk. |
| | | | 81 | 46 | 30' L. " M.H.T. |
| | -0 40 | | 68 4 | 58 6 | 38' L. Top 1 x 2 |
| | | | 91 | 36 | 38' L. Sand |
| | | 5 46 | | | TRANSIT 720+42.57, SIGHT ON N 76 |
| | | | 42 | 13 | 61 FT LEFT |
| | | | 5 2 | 03 | 80 " " |
| | | | 67 | -1 2 | #1 9° 15' |
| | | | 73 | -1 8 | 2 12 34 |
| | | | 80 | -2 5 | 3 15 15 |
| | | | 94 | -3 9 | 4 19 21 |
| | | | 113 | -5 8 | 5 23 58 |
| | | | 12 2 | -6 7 | 6 ? KC 28 28 |
| | | | 138 | -8 3 | 7 ? KC 32° 11' |

728+35.83 N.

DATUM
MEAN LOWER LOW WATER

F. B. Pg. 28 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

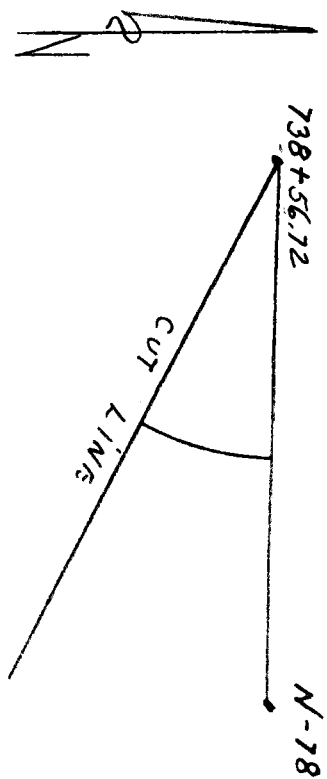
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 738+56.72 | N-78 | 11:59 | 1 | 73 | 24 | | | |
| | | | 2 | 72 | 37 | | | |
| | | | 3 | 72 | 04 | | | |
| | | | 4 | 71 | 07 | | | |
| | | | 5 | 69 | 55 | | | |
| | | | 6 | 68 | 19 | | | |
| | | | 7 | 66 | 40 | | | |
| | | | 8 | 64 | 37 | | | |
| | | | 9 | 62 | 14 | | | |
| | | | 10 | 59 | 45 | | | |
| | | | 11 | 57 | 06 | | | |
| | | | 12 | 54 | 28 | | | |
| | | | 13 | 51 | 41 | | | |
| | | | 14 | 48 | 03 | | | |
| | | | 15 | 43 | 56 | | | |
| | | | 16 | 40 | 28 | | | |
| | | | 17 | 37 | 20 | | | |
| | | | 18 | 34 | 12 | | | |
| | | | 19 | 32 | 12 | | | |
| | | | 20 | 29 | 54 | | | |




RANGE LINE 728+35.83

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2825 Pg. 29
No. ____ Date ____ Date ____ Survey of LAS TUNAS HYDRO. SURVEY
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-26-76
No. ____ Date ____ Date ____ Map No. ____ Indexed R.D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 30 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of LAS TUNAS HYDRO SURVEY Date Date No.

Survey by RICHARDS Notes R.T. Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At | Sight On | Time | Angle No | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only: Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| 738+56.72 | N-78 | | 21 | 27 | 39 | | | |
| | | 12:06 | 22 | 25 | 42 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

730+86.08 N.

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| | | 1270 | | | |
| 730+86.08 N | 472 | 1268 | 474 | 796 | X on rock (Paint) X-line |
| | | | 09 | 118 | Fn. Prop. Sand Brk. 24' R. |
| | Hand level | + rod | 61 | 188 | " " " " 29' R. |
| | " " | + rod | 104 | 231 | grd. T.B. 22' R. |
| | | | 81 | 46 | 21' L. Sand M.H.T. |
| | | | 844 | 424 | 74' L. Top Lath. |
| | | | 119 | 08 | 74' L. Sand |
| T.P. | 228 | 1024 | | 796 | X ON ROCK (LATH GONE FROM TOP OF PAGE) |
| T.P. | 139 | 547 | 616 | 408 | TRANSIT AT 720+42.57, SIGHT ON N 76 |
| | | | 161 | -106 | 1 28° 30' |
| | | | 151 | -96 | 2 26 52 |
| | | | 129 | -74 | 3 22 02 |
| | | | 110 | -55 | 4 18 38 |
| | | | 93 | -38 | 5 15 13 |
| | | | 89 | -34 | 6 12 57 |
| | | | 73 | -18 | 7 11° 39' |
| | | | 52 | 03 | 80 FT LEFT ON ROCKS |
| | | | 38 | 17 | 54 " " BEGIN ROCKS } SAND BETWEEN |
| | | | 22 | 33 | 34 " " END ROCK |

DATUM
MEAN LOWER LOW WATER

730+86.08 N.

Profile Notes Red ____ Plotted ____ Job No. 63000.02 Division No. 11 F. B. 2885 PG. 31
No. ____ Date ____ Date ____ Survey of Los Angeles Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Cara Date 1-26-78
No. ____ Date ____ Date ____ Map No. ____ Index A. D. BAILEY Date FEB 5 1978

F. B. 2825 Pg. 32 Job No. 0300.02 Division No. 11 Notes Red ____ Plotted ____ Profile

Survey of ____ Date ____ Date ____ No. ____

Survey by ____ Notes ____ Notes Chk'd. ____ Checked ____ X-Sec.

Indexed ____ Date ____ Date ____ Date ____ No. ____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

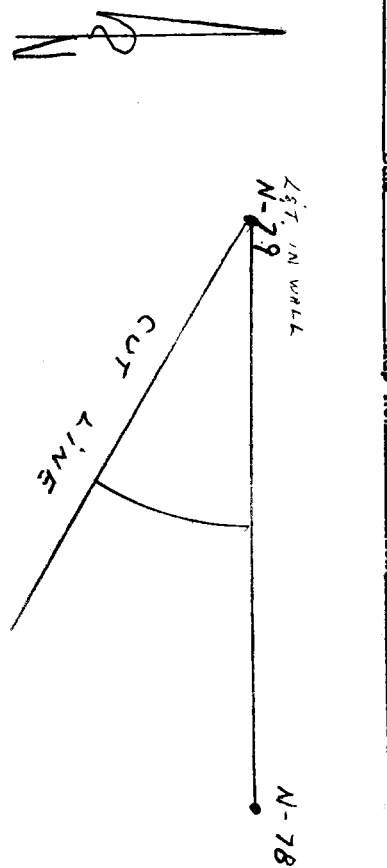
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE DEG. | RANGE MIN. | LINE | CARD Nº |
|---|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | | |
| N-79 | N-78 | 12:44 | 1 | 67 | 52 | | | | |
| | | | 2 | 67 | 07 | | | | |
| | | | 3 | 65 | 56 | | | | |
| | | | 4 | 64 | 41 | | | | |
| | | | 5 | 63 | 09 | | | | |
| | | | 6 | 61 | 00 | | | | |
| | | | 7 | 58 | 42 | | | | |
| | | | 8 | 56 | 19 | | | | |
| | | | 9 | 53 | 39 | | | | |
| | | | 10 | 50 | 21 | | | | |
| | | | 11 | 46 | 42 | | | | |
| | | | 12 | 42 | 24 | | | | |
| | | | 13 | 38 | 02 | | | | |
| | | | 14 | 33 | 12 | | | | |
| | | | 15 | 28 | 53 | | | | |
| | | | 16 | 26 | 00 | | | | |
| | | | 17 | 23 | 40 | | | | |
| | | | 18 | 21 | 32 | | | | |
| | | | 19 | 18 | 45 | | | | |
| | | 12:51 | 20 | 16 | 46 | | | | |




RANGE LINE 730+86.08

Profile No.____ Notes Red.____ Plotted____ Job No. 6300.02 Division No. 11

X-Sec. No.____ Date____ Date____ Survey of LAS TUNAS HYDRO SURVEY

Notes Chkd.____ Date____ Checked____ Date____ Survey by RICHARDS Notes P.T.L. Date 1-26-76

Map No.____ Index D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 33

F. B. 2825 PG. 34 Job No. 0300.02 Division No. 11 Notes Red. ____ Plotted ____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date ____ Date ____ No. ____

Survey by RICHARDS Notes R.T. Notes Chkd. ____ Checked ____ X-Sec.

Indexed ____ Date ____ Date ____ Date ____ No. ____

| Inst. At (Don't Punch) | Sight On (Don't Punch) | Time (Don't Punch) | Angle No. (Don't Punch) | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only: Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

76L298 307 Cdb 12-62

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

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

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 733+39.95N. | |
|---|---|---|---|---|---|---|
| | | 12 68 | | | | |
| 733+39.95 N. | 385 | 14 06 | 247 | 1021 | 1x2 | ⊼-line |
| | | | 48 | 93 | Sand | ⊼-line |
| | Handlevel | +rod | 03 | 144 | Pri. Prop. " | Brk. 24' R. |
| | " " | +rod | 03 | 144 | " " " | " 53' R. |
| | " " | +rod | 47 | 188 | " | ". 59' R. |
| | " " | +rod | 78 | 217 | " | T. B. 70' R. |
| | | | 95 | 46 | 32' L. Sand | M. H. T. |
| | +075 | | 1026 | 380 | 77' L. Top | 1x2 |
| | | | 127 | 14 | 77 L. Sand | |
| | | 6 | | | ⊼ AT 730+86.08 | SIGHT ON 733+39.95 |
| | | 455 | | | | |
| | | | 48 | -02 | #1 26° 14' | |
| | | | 61 | -15 | 2 34 00 | |
| | | | 69 | -23 | 3 37 56 | |
| | | | 91 | -45 | 4 39 59 | |
| | | | 90 | -44 | 5 43 51 | |
| | | | 97 | -51 | 6 48 48 | |
| | | | 125 | -79 | 7 54 42 | |
| | | | 147 | -101 | 8 59 04 | |
| | | | 145 | -99 | 9 62° 22' | |

DATUM
MEAN LOWER LOW WATER

733+39.95N.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 35
X-Sec. No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
Notes Chk'd. ____ Checked ____ Survey by English Notes Coro Date 1-26-76
Date ____ Date ____ Map No. ____ Index R. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 36 | Job No. 0500.02 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

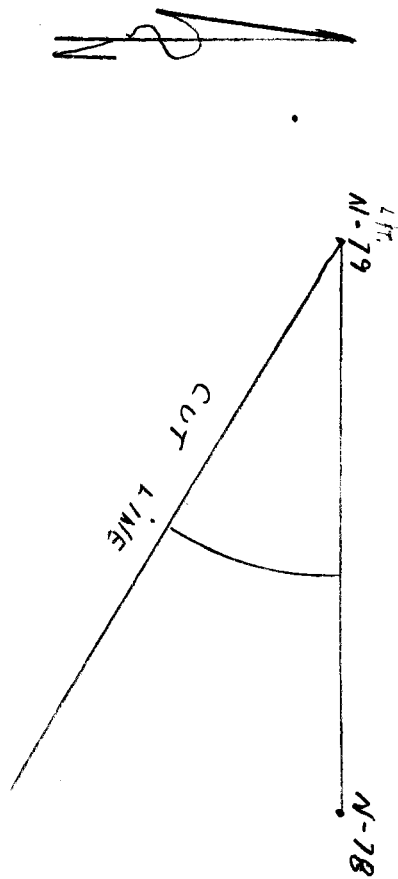
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-79 | N-78 | 12:58 | 1 | 72 | 42 | | | |
| | | | 2 | 71 | 43 | | | |
| | | | 3 | 70 | 18 | | | |
| | | | 4 | 69 | 05 | | | |
| | | | 5 | 67 | 55 | | | |
| | | | 6 | 66 | 20 | | | |
| | | | 7 | 64 | 13 | | | |
| | | | 8 | 62 | 05 | | | |
| | | | 9 | 59 | 45 | | | |
| | | | 10 | 57 | 27 | | | |
| | | | 11 | 54 | 38 | | | |
| | | | 12 | 50 | 46 | | | |
| | | | 13 | 46 | 12 | | | |
| | | | 14 | 41 | 24 | | | |
| | | | 15 | 36 | 43 | | | |
| | | | 16 | 32 | 16 | | | |
| | | | 17 | 29 | 28 | | | |
| | | | 18 | 25 | 43 | | | |
| | | | 19 | 22 | 23 | | | |
| | | | 20 | 20 | 04 | | | |




RANGE LINE 733+39.95

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 37

No. ____ Date ____ Date ____ Survey of LAS TUNAS HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARD Notes RIT Date 1-26-76

No. ____ Date ____ Date ____ Map No. ____ Indexed R. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 38 | Job No. 300.02 Division No. 11 Notes Red. Plotted Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date Date No.

Survey by RICHARDS Notes R.T Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date Date No.

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No. Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| N-79 | N-78 | 1:05 | 21 | 17 | 53 | | | |

Do not extend notes this side of this line.

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

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

761298 307 Cdb 12-62

| | |
|---|---|
| Notes Ck'd by | Survey of LAS TUNAS BEACH |
| Map No. | JN 0300.02 Tape Std °F |
| Office Work | Surveyed by RICHARDS |
| Checked | Notes UHARRIET Date 1-26-76 |
| Date | Indexed G. D. BAILEY FEB 5 1976 |

F.B. 2825 Pg. 37

TIDE GAGE READINGS
JAN. 26, 1976
DATUM = M.L.L.W.
TIME = P.S.T.

| TIME | TIDE |
|---|---|
| 7:00 | 3.9 |
| 7:30 | 3.5 |
| 8:00 | 3.1 |
| 8:30 | 2.4 |
| 9:00 | 2.1 |
| 9:30 | 1.7 |
| 10:00 | 1.2 |
| 10:30 | 0.8 |
| 11:00 | 0.5 |
| 11:30 | 0.2 |
| 12:00 | 0.0 |
| 12:30 | -0.1 |
| 1:00 | -0.1 |
| 1:30 | 0.1 |
| 2:00 | 0.3 |
| 2:30 | 0.6 |
| 3:00 | 0.9 |

NOTE - TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

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 ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

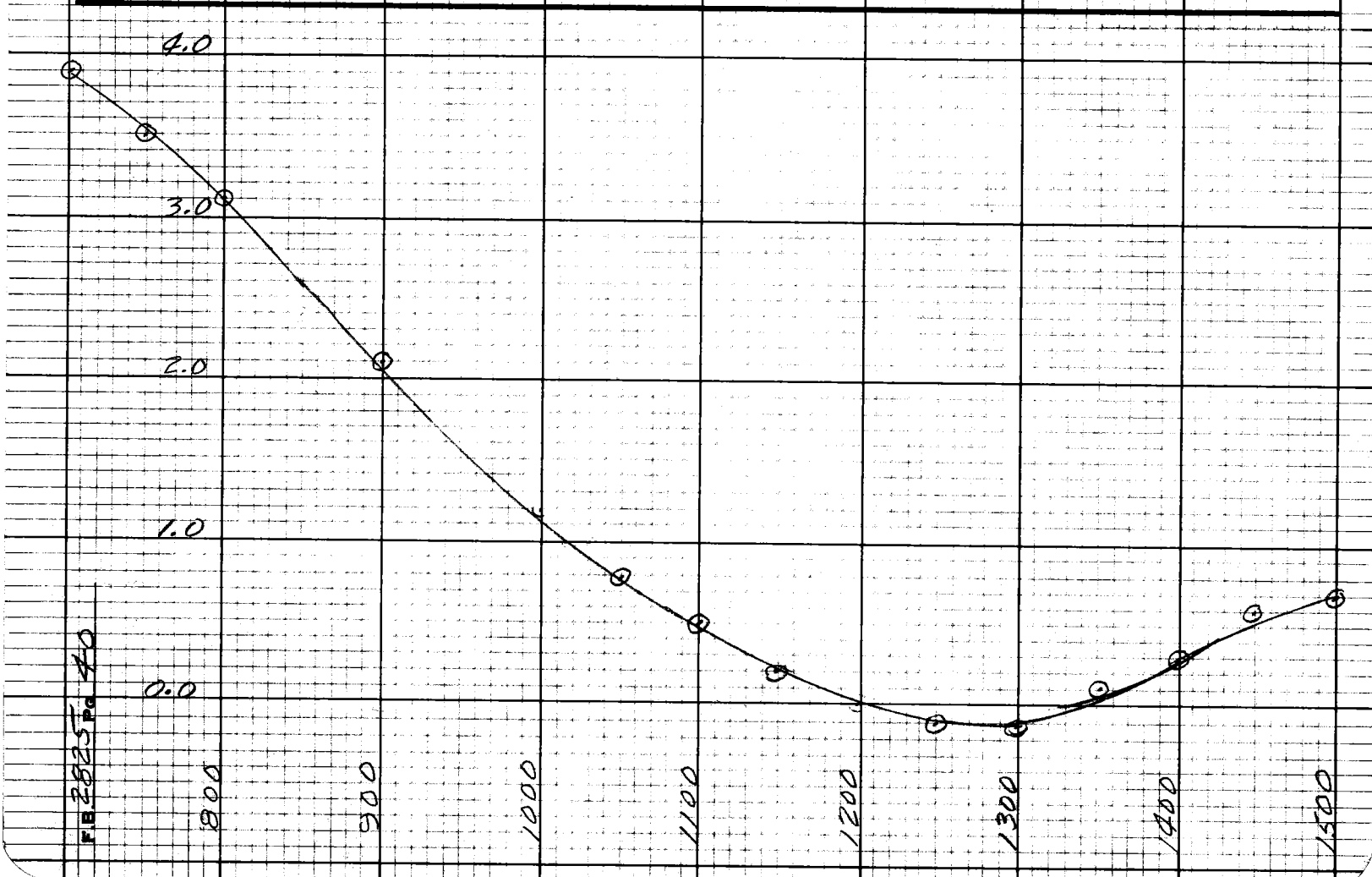
Do not extend this side of this line.

76F3098 CE#310 9-67

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.




FIB 2825 Pg 40

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 735+98.85 N. |
|---|---|---|---|---|---|
| T.P. N | | 1406 | | | |
| 735+98.85 | 436 | 1297 | 545 | 861 | Top 1x2 ⊼-line |
| | | | 54 | 76 | Sand ⊼-line |
| | | | 11 | 119 | Pri. Prop " @ Wall (ret.) 27' R. |
| | | | 00 | 130 | " " " Top " " 27' R |
| | | 8 | 84 | 46 | 21' L. M. H.T. |
| | 174 | 578 | 55 | 752 | 21 L. Top 1x2 |
| | | | | | TRANSIT 733+39.95, SIGHT ON N 78 |
| | | | 29 | 29 | 39 FT LEFT |
| | | | 46 | 12 | #1 13° 19' |
| | | | 60 | -0 | 2 22 39 |
| | | | 76 | -18 | 3 31 12 |
| | | | 93 | -35 | 4 38 07 |
| | | | 106 | -48 | 5 46 04 |
| | | | 121 | -63 | 6 53 50 |
| | | | 157 | -99 | 7 60 10 |
| | | | 152 | -94 | 8 66° 04' |

DATUM
MEAN LOWER LOW WATER

735+98.85 N.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 41
X-Sec. No. ____ Date ____ Date ____ Survey of Las Tunas Beach Hydrosurvey
Notes Chk'd. ____ Checked ____ Survey by English Notes Carp Date 1-27-76
Date ____ Date ____ Map No. ____ Index G. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 42 Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

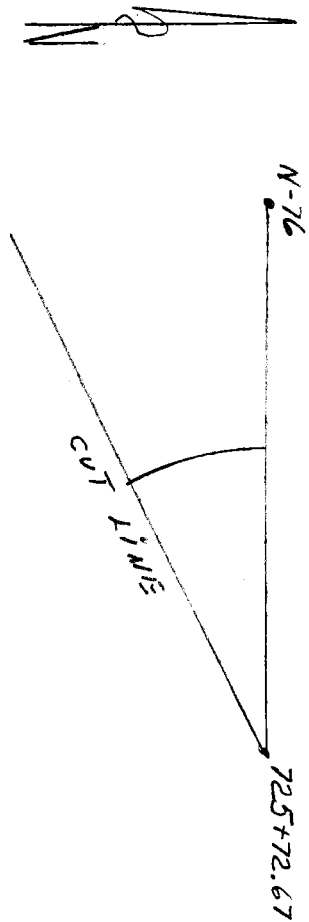
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE DEG. | LINE MIN. | CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 725+72.67 | N-76 | 9:47 | 1 | 269 | 35 | | | |
| | | | 2 | 270 | 19 | | | |
| | | | 3 | 271 | 42 | | | |
| | | | 4 | 272 | 39 | | | |
| | | | 5 | 273 | 35 | | | |
| | | | 6 | 275 | 12 | | | |
| | | | 7 | 277 | 55 | | | |
| | | | 8 | 281 | 23 | | | |
| | | | 9 | 285 | 43 | | | |
| | | | 10 | 289 | 22 | | | |
| | | | 11 | 293 | 44 | | | |
| | | | 12 | 300 | 17 | | | |
| | | | 13 | 305 | 35 | | | |
| | | | 14 | 312 | 37 | | | |
| | | | 15 | 321 | 15 | | | |
| | | | 16 | 325 | 41 | | | |
| | | | 17 | 329 | 25 | | | |
| | | | 18 | 333 | 19 | | | |
| | | | 19 | 336 | 50 | | | |
| | | | 20 | 339 | 45 | | | |




RANGE LINE 735+98.85

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 43
No. Date Date Survey of LAS TUNAS BEACH HYDRO. SURVEY
X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes R.T. Date 1-27-76
No. Date Date Map No. Indexed D. BAILEY Date FEB 5 1976

F. B. 2B25 Pg. 44 | Job No. 0300.02 Division No. 11 Notes Red. Plotted Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date Date No.

Survey by RICHARDS Notes R.T. Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At | Sight On | Time | Angle No | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| 7254 72.67 | N-76 | | 21 | 342 | 54 | | | |
| | | 9:54 | 22 | 344 | 38 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 738+56.72N. | |
|---|---|---|---|---|---|---|
| TP. | | 12 97 | | | | |
| 738+56.72N | 359 | 12 92 | 364 | 9 33 | Top 1x2 | ⊼-line |
| | | | 47 | 82 | Sand | ⊼-line |
| | | | 35 | 9 4 | Piv. Prop. " | Brk. 5' R |
| | | | 07 | 122 | " | " 22' R. |
| | Hand level | +rod | 07 | 136 | " | Top B. 24' R. |
| | " " | +rod | 07 | 136 | " | 32' R. |
| | | | 83 | 46 | 27' L. Sand | M. H. T. |
| | -138 | 60 | 55 | 74 | 27' L. Top 1x2 | |
| | | | | | TRANSIT AT 733+39.95 SIGHT ON N-78 | |
| | | | 156 | -96 | #1 45° 17' | |
| | | | 146 | -86 | 2 42 44 | |
| | | | 147 | -87 | 3 39 43 | |
| | | | 118 | -58 | 4 33 38 | |
| | | | 137 | -77 | 5 28 11 | |
| | | | 109 | -49 | 6 24 13 | |
| | | | 97 | -37 | 7 19 44 | |
| | | | 76 | -16 | 8 15 37 | |
| | | | 60 | 00 | 9 11 01 | |
| | | | 50 | 10 | 10 7° 46' SAND | |
| | | | 34 | 26 | 43FT LEFT SAND | |

END

DATUM
MEAN LOWER LOW WATER

738+56.72 N.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 PG. 45
Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by English Notes Caro Date 1-27-76
Date ____ Date ____ Map No. ____ Indexed B. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 46 | 0300.02 Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

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

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

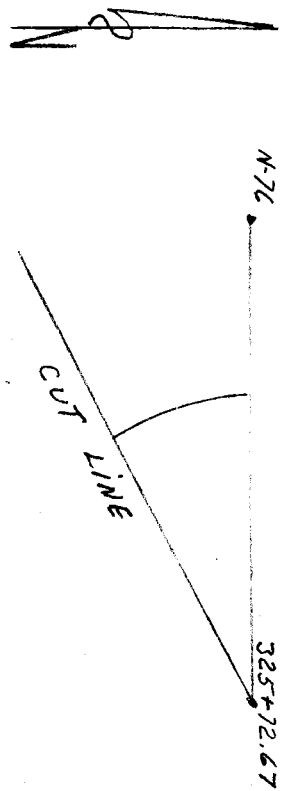
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 325+72.67 | N-76 | 10:03 | 1 | 272 | 32 | | | |
| | | | 2 | 273 | 30 | | | |
| | | | 3 | 274 | 51 | | | |
| | | | 4 | 276 | 13 | | | |
| | | | 5 | 277 | 59 | | | |
| | | | 6 | 280 | 18 | | | |
| | | | 7 | 282 | 40 | | | |
| | | | 8 | 285 | 05 | | | |
| | | | 9 | 288 | 54 | | | |
| | | | 10 | 292 | 32 | | | |
| | | | 11 | 296 | 37 | | | |
| | | | 12 | 302 | 08 | | | |
| | | | 13 | 307 | 22 | | | |
| | | | 14 | 313 | 51 | | | |
| | | | 15 | 319 | 17 | | | |
| | | | 16 | 324 | 43 | | | |
| | | | 17 | 328 | 37 | | | |
| | | | 18 | 331 | 25 | | | |
| | | | 19 | 333 | 35 | | | |
| | | | 20 | 335 | 54 | | | |




RANGE LINE 738+56.72

Profile Notes Red. ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 47

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-27-76

No. ____ Date ____ Date ____ Map No. ____ Index No. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 48 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed E. D. BAILEY Date FEB 5 1976 Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº. |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 325+72.67 | N-76 | | 21 | 338 | 08 | | | |
| | | | 22 | 340 | 22 | | | |
| | | | 23 | 342 | 23 | | | |
| | | | 24 | 344 | 52 | | | |
| | | 10:10 | 25 | 346 | 20 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 Los Angeles County Engineering Bldg.

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

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

741+06.73 N.

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| | | 12 92 | | | |
| T.P. | 246 | 10 87 | 451 | 8 41 | rock. |
| | | | 34 | 75 | Top 1X2 ⊼-line |
| | | | 57 | 52 | Sand ⊼-line |
| | | | 40 | 69 | Pri. Prop. " @ Wall below Deck 22'R. |
| | | | 63 | 46 | 7.5'L. Sand M.H.T. |
| | | | 73 | 36 | 17'L. " |
| | -0.2 | 59 | 48 | 61 | 17'L. Top 1X2 |
| | | | | | TRANSIT AT N 78, SIGHT ON N 79 |
| | | | 54 | 05 | 48 FT LEFT BEGIN ROCKS |
| | | | 75 | -16 | #1 16° 07' IN ROCKS |
| | | | 92 | -33 | 2 19 22 LAST VISIBLE ROCKS |
| | | | 103 | -44 | 3 27 07 |
| | | | 121 | -62 | 4 33 15 |
| | | | 129 | -70 | 5 37 38 |
| | | | 123 | -64 | 6 40 58 |
| | | | 138 | -79 | 7 45 25 |
| | | | 142 | -83 | 8 49 06 |
| | | | 149 | -90 | 9 52° 19' |

DATUM
MEAN LOWER LOW WATER

741+06.73 N.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 030002 Division No. 11 F.B. 2825 Pg. 49
X-Sec. No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
Notes Chk'd. ____ Checked ____ Survey by English Note Carp Date 1-27-76
Date ____ Date ____ Map No. ____ Index G.D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 50 | Job No. 0300.01 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

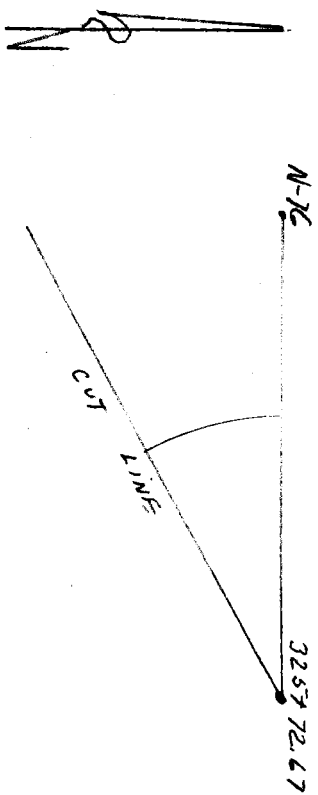
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 325+72.67 | N-76 | 10:17 | 1 | 275 | 55 | 275 | 55 | |
| | | | 2 | 276 | 50 | 276 | 50 | |
| | | | 3 | 278 | 44 | 278 | 44 | |
| | | | 4 | 280 | 55 | 280 | 55 | |
| | | | 5 | 283 | 25 | 283 | 25 | |
| | | | 6 | 286 | 03 | 286 | 03 | |
| | | | 7 | 288 | 59 | 288 | 59 | |
| | | | 8 | 292 | 38 | 292 | 38 | |
| | | | 9 | 296 | 56 | 296 | 56 | |
| | | | 10 | 301 | 42 | 301 | 42 | |
| | | | 11 | 306 | 54 | 306 | 54 | |
| | | | 12 | 311 | 58 | 311 | 58 | |
| | | | 13 | 316 | 59 | 316 | 59 | |
| | | | 14 | 321 | 02 | 321 | 02 | |
| | | | 15 | 326 | 00 | 326 | 00 | |
| | | | 16 | 329 | 20 | 329 | 20 | |
| | | | 17 | 332 | 19 | 332 | 19 | |
| | | | 18 | 335 | 03 | 335 | 03 | |
| | | | 19 | 337 | 34 | 337 | 34 | |
| | | | 20 | 339 | 25 | 339 | 25 | |




RANGE LINE 741+06.73

Profile Notes Red. ____ Plotted ____ Job No. 030002 Division No. 11 F. B. 2825 Pg. 51

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-27-76

No. ____ Date ____ Date ____ Map No. ____ Indexed G.D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 52 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

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

Indexed G. D. BAILEY Date FEB 5 1976 Date _____ Date _____ No. _____

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 3254.72.67 | N-76 | | 21 | 341 | 17 | | | |
| | | | 22 | 342 | 35 | | | |
| | | 10:23 | 23 | 344 | 37 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

743+56.74 N.

| STATION | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|
| | | 1087 | | | | |
| TP 743+56.74 N | 308 | 1011 | 384 | 703 | Top 1X2 | X-line |
| | | | 49 | 52 | Sand | X-line |
| | | | 13 | 88 | Fri. Prop." | Brk. 25' R. |
| | Handlevel | trod | 09 | 110 | " " " | B. " 43' R. |
| | " " | trod | 50 | 151 | " | T. " 58' R. |
| | | | 55 | 46 | 6' L. Sand | M.H.T. |
| | | | 73 | 28 | 24' L. Sand | |
| | -04 | 51 | 46 | 55 | 24' L. Top 1X2 | |

TRANSIT AT N 78 SIGHT ON N 79

| | | | | |
|---|---|---|---|---|
| 144 | -93 | 1 | 33° | 39' |
| 127 | -76 | 2 | 30 | 05 |
| 130 | -79 | 3 | 26 | 49 |
| 121 | -70 | 4 | 22 | 45 |
| 101 | -50 | 5 | 18 | 43 |
| 97 | -46 | 6 | 16 | 44 |
| 82 | -31 | 7 | 14 | 31 |
| 65 | -14 | 8 | 11 | 15 |
| 59 | -08 | 9 | 9 | 40 |
| 51 | 00 | 10 | 7° | 22' MIDDLE ROCK |
| 38 | 13 | 35 FEET LEFT SAND AT BEGIN ROCK | | |

743+56.74 N.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. C300.02 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of Las Tunas Bench Hydro Survey
Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey by Eng. Note C-12 Date 1-27-76
Index G. D. BAILEY Date FEB 5 1976 Map No. ____ F. B. 8825 Pg. 53

F. B. 2825 PG. 54 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

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

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

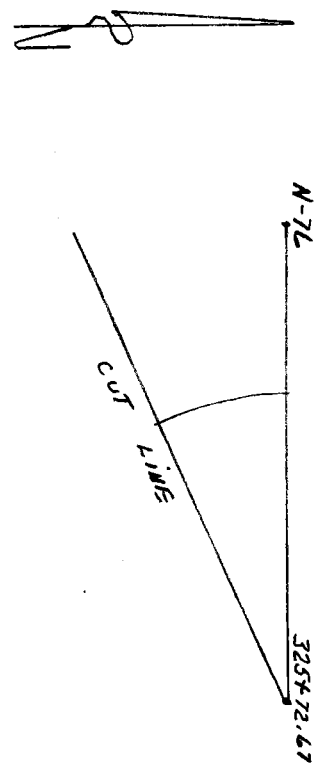
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE DEG. | LINE MIN. | CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 325+72.67 | N-76 | 10131 | 1 | 280 | 05 | | | |
| | | | 2 | 282 | 18 | | | |
| | | | 3 | 284 | 29 | | | |
| | | | 4 | 286 | 39 | | | |
| | | | 5 | 288 | 58 | | | |
| | | | 6 | 292 | 15 | | | |
| | | | 7 | 295 | 18 | | | |
| | | | 8 | 299 | 55 | | | |
| | | | 9 | 304 | 14 | | | |
| | | | 10 | 307 | 05 | | | |
| | | | 11 | 315 | 11 | | | |
| | | | 12 | 320 | 40 | | | |
| | | | 13 | 325 | 55 | | | |
| | | | 14 | 330 | 19 | | | |
| | | | 15 | 333 | 14 | | | |
| | | | 16 | 335 | 25 | | | |
| | | | 17 | 337 | 28 | | | |
| | | | 18 | 339 | 09 | | | |
| | | | 19 | 340 | 55 | | | |
| | | | 20 | 342 | 11 | | | |




RANGE LINE 743+56.74

Profile Notes Red. Plotted Job No. 300 62 Division No. 11 F. B. 2825 Pg. 55

No. Date Date Survey of LAS TUNAS REACH HYDRO. SURVEY

X-Sec. Notes Chkd. Checked Survey by TICHARDS Notes R.T. Date 1-27-76

No. Date Date Map No. Index A.D. BAILEY Date FEB 5 1978

F. B. 2825 Pg. 56 | Job No. A300.02 Division No. 11 Notes Red. Plotted Profile

Survey of LAS TUNAS HYDRO. SURVEY Date Date No.

Survey by RICHARDS Notes R.T. Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 325+72.67 | N-76 | | 21 | 343 | 07 | | | |
| | | 10:38 | 22 | 343 | 56 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

746+08.57N.

| STATION | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|
| | | 10 11 | | | | |
| T.P | 467 | 1252 | 226 | 785 | rock | |
| | | | 388 | 864 | Top 1X2 | ⊼-line |
| | | | 48 | 77 | Sand | ⊼-line |
| | | | 11 | 114 | Pri.prop " | Brk 28'R. |
| | Hand level + rod | | 15 | 136 | " " " | " 38'R. |
| | " " + rod | | 17 | 142 | " @ Wall (ret. rock) | 55'R. |
| | | | 79 | 46 | 23'L. " | M. H. T. |
| | | | 95 | 30 | 35'L. " | |
| | -15 | 45 | 65 | 60 | 35'L. Top 1X2 | |
| | | | | | TRANSIT AT 743+56.74 SIGHT ON N-79 | |
| | | | 33 | 12 | 55 FT. LEFT | |
| | | | 46 | -01 | #1 13° 21' | |
| | | | 55 | -10 | 2 18 59 | |
| | | | 67 | -22 | 3 25 41 | |
| | | | 87 | -42 | 4 31 31 | |
| | | | 111 | -66 | 5 38 53 | |
| | | | 113 | -68 | 6 44 53 | |
| | | | 117 | -72 | 7 47 49 | |
| | | | 128 | -83 | 8 50 56 | |
| | | | 142 | -97 | 9 56° 57' | |

DATUM
MEAN LOWER LOW WATER

746+08.57N.

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2825 Pg. 57
No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Lane Date 1-22-76
No. ____ Date ____ Date ____ Map No. ____ Indexed G.D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 58 Job No. 8300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

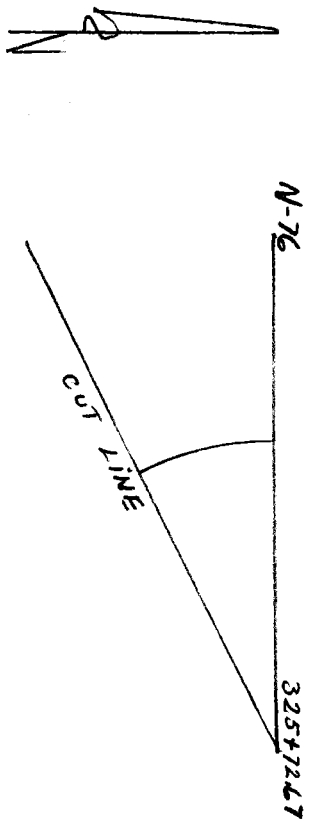
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 325+72.67 | N-76 | 10[illegible] | 1 | 282 | 57 | | | |
| | | | 2 | 284 | 17 | | | |
| | | | 3 | 285 | 42 | | | |
| | | | 4 | 287 | 52 | | | |
| | | | 5 | 289 | 21 | | | |
| | | | 6 | 291 | 12 | | | |
| | | | 7 | 294 | 05 | | | |
| | | | 8 | 297 | 15 | | | |
| | | | 9 | 299 | 42 | | | |
| | | | 10 | 303 | 10 | | | |
| | | | 11 | 307 | 42 | | | |
| | | | 12 | 311 | 19 | | | |
| | | | 13 | 315 | 18 | | | |
| | | | 14 | 319 | 31 | | | |
| | | | 15 | 323 | 27 | | | |
| | | | 16 | 327 | 45 | | | |
| | | | 17 | 330 | 55 | | | |
| | | | 18 | 334 | 33 | | | |
| | | | 19 | 336 | 52 | | | |
| | | | 20 | 338 | 43 | | | |




RANGE LINE 746+08.57

Profile Notes Red. ____ Plotted ____ Job No. 300.02 Division No. 11 F. B. 2825 Pg. 59

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes A.T. Date 1-27-76

No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 60 | Job No. 6300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date _____ Date _____ No. _____

761298 307 Cdb 12-62

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

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

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

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 3254 72.67 | N-76 | | 21 | 340 | 07 | | | |
| | | | 22 | 341 | 18 | | | |
| | | | 23 | 342 | 26 | | | |
| | | 11:02 | 24 | 343 | 36 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

748+64.55N.

| STATION | B. S. | H. I. | F. S. | ELEV. | | |
|---|---|---|---|---|---|---|
| | | 12 52 | | | | |
| T. P. | 608 | 12 93 | 567 | 685 | 1X2 | |
| | | | 48 | 81 | Top 1X2 | ⊼-line |
| | | | 66 | 63 | Sand | ⊼-line |
| | | | 32 | 97 | Pri. Prop. " | Brk. 17' R. |
| | Hand level | +rod | 04 | 133 | " " " | T. " 48' R. |
| | " " | +rod | 05 | 134 | " | @ Wall (ret.) 59' R. |
| | | | 83 | 46 | 13' L. | " M.H.T. |
| | | | 105 | 24 | 29' L. | " |
| | -12 | 41 | 76 | 53 | 29' L. | Top 1X2 |
| | | | | | TRANSIT AT 743+56.74, SIGHT ON N79 | |
| | | | 141 | -100 | #1 36° 39' | |
| | | | 133 | -9.2 | 2 32 53 | |
| | | | 129 | -8.8 | 3 28 06 | |
| | | | 115 | -74 | 4 23 10 | |
| | | | 96 | -55 | 5 18 30 | |
| | | | 74 | -33 | 6 15 10 | |
| | | | 65 | -24 | 7 11 11 | |
| | | | 55 | -14 | 8 6 52 | |
| | | | 48 | -07 | 9 3° 27' | |
| | | | 34 | 07 | 47 FEET LEFT | |

DATUM
MEAN LOWER LOW WATER

748+64.55N.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 6300.02 Division No. 11 F. B. 2825 Pg. 61
X-Sec. No. ____ Date ____ Date ____ Survey of Las Tunas Beach Hydrosurvey
Notes Chk'd. ____ Checked ____ Survey by English Note Card Date 1-29-76
Date ____ Date ____ Map No. ____ Indexed R. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 62 Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

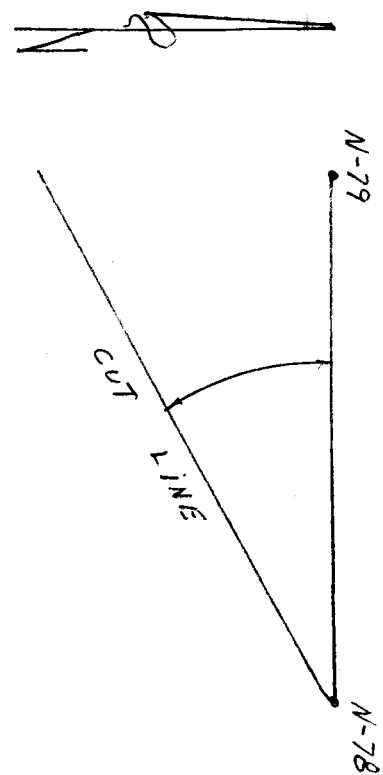
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE DEG. | LINE MIN. | CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-78 | N-79 | 11:30 | 1 | 288 | 59 | | | |
| | | | 2 | 290 | 26 | | | |
| | | | 3 | 291 | 55 | | | |
| | | | 4 | 293 | 43 | | | |
| | | | 5 | 295 | 40 | | | |
| | | | 6 | 297 | 55 | | | |
| | | | 7 | 300 | 32 | | | |
| | | | 8 | 304 | 31 | | | |
| | | | 9 | 309 | 22 | | | |
| | | | 10 | 314 | 27 | | | |
| | | | 11 | 320 | 14 | | | |
| | | | 12 | 324 | 08 | | | |
| | | | 13 | 329 | 59 | | | |
| | | | 14 | 333 | 47 | | | |
| | | | 15 | 337 | 14 | | | |
| | | | 16 | 340 | 02 | | | |
| | | | 17 | 342 | 35 | | | |
| | | | 18 | 345 | 18 | | | |
| | | | 19 | 348 | 12 | | | |
| | | | 20 | 350 | 51 | | | |




RANGE LINE 748+64.55

Profile No. ____ Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. 2825 Pg. 63
Date ____ Date ____ Survey of ____ Notes ____ Date ____
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by ____ Indexed D. BAILEY Date FEB 5 1976
Date ____ Date ____ Map No. ____

F. B. 2825 PG. 64 | Job No. 2300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes A.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date _____ Date _____ No. _____

761.298 307 Gdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At | Sight On | Time | Angle No | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only: Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| N-78 | N-79 | 11:36 | 21 | 352 | 05 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 751+30.34 N. | |
|---|---|---|---|---|---|---|
| T.P. N | | 12 93 | | | | |
| 751+30.34 | 644 | 10 57 | 880 | 413 | Top 1x2 | T-line |
| | | | 66 | 40 | Sand | T-line |
| | | | 60 | 46 | " M.H.T. | 45' R |
| | | | 50 | 56 | Pri. Prop " @ Wall (ret) | 12' R |
| | | | 23 | 83 | " Brk | 15' R. |
| | Hand level + rod | | 04 | 110 | " Toe B. | 56' R. |
| | | | 89 | 17 | 22' L. Sand | BEGIN ROCKS |
| | 01 | 50 | 57 | 49 | 22' L. Top 1x2 | |
| | | | | | TRANSIT AT 748+54.55 | SIGHT ON N 81 |
| | | | 53 | -03 | #1 12° 05' | AMONG ROCKS |
| | | | 73 | -23 | 2 19 31 | |
| | | | 82 | -32 | 3 23 30 | |
| | | | 99 | -49 | 4 27 03 | |
| | | | 121 | -71 | 5 33 14 | |
| | | | 138 | -88 | 6 37 20 | |
| | | | 146 | -96 | 7 40 09 | |
| | | | 158 | -108 | 8 43° 10' | |

751+30.34 N.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 65
X-Sec. No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
Notes Chk'd. ____ Checked ____ Survey by English Notes Lara Date 1-27-76
Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 66 | Job No. 0300.01 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

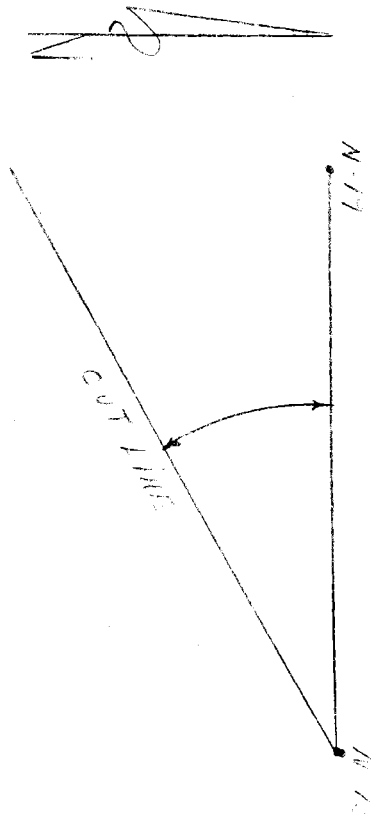
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE DEG. | LINE MIN. | CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-78 | N-79 | 11:44 | 1 | 291 | 12 | | | |
| | | | 2 | 292 | 39 | | | |
| | | | 3 | 294 | 20 | | | |
| | | | 4 | 296 | 00 | | | |
| | | | 5 | 297 | 53 | | | |
| | | | 6 | 300 | 25 | | | |
| | | | 7 | 303 | 06 | | | |
| | | | 8 | 306 | 03 | | | |
| | | | 9 | 309 | 28 | | | |
| | | | 10 | 313 | 18 | | | |
| | | | 11 | 316 | 21 | | | |
| | | | 12 | 319 | 51 | | | |
| | | | 13 | 323 | 55 | | | |
| | | | 14 | 327 | 16 | | | |
| | | | 15 | 331 | 28 | | | |
| | | | 16 | 335 | 02 | | | |
| | | | 17 | 337 | 29 | | | |
| | | | 18 | 340 | 10 | | | |
| | | | 19 | 342 | 48 | | | |
| | | | 20 | 344 | 55 | | | |




RANGE LINE 751+30.34

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by Notes Date
No. Date Date Map No. Indexed D. BAILEY Date FEB 5 1976

F. B. Pg. 67

F. B. 2825 Pg. 68 | Job No. 200.02 Division No. 11 Notes Red. Plotted Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date Date No.

Survey by RATHBUN Notes RT Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date Date No.

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At | Sight On | Time | Angle No | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| N-78 | N-79 | | 21 | 347 | 07 | | | |
| | | | 22 | 348 | 59 | | | |
| | | 1151 | 23 | 350 | 20 | | | |

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 753+96.13 N. |
|---|---|---|---|---|---|
| | | 10 57 | | | |
| | 638 | 11 10 | 585 | 472 | |
| | | | 49 | 62 | Painted "X" on rock ⊼-line |
| | | | 51 | 60 | Sand ⊼-line |
| | | | 49 | 62 | " B. Brk. 2'R |
| | Hand level | +rod | 33 | 144 | rocks T. " 30'R |
| | " " | +rod | 55 | 166 | Top Conc W. Wall 33'R. |
| | | | 65 | 46 | 133'L. M.H.T. |
| | | | 89 | 22 | 36'L. Sand |
| | -04 | 48 | 59 | 52 | 36'L. Top 1x2 |
| | | | | | TRANSIT 748+64.55 SIGHT ON N81 |
| | | | 187 | -139 | 1 27° 43' 366' |
| | | | 154 | -106 | 2 25 41 329' |
| | | | 141 | -93 | 3 23 35 293' |
| | | | 117 | -69 | 4 20 44 248' |
| | | | 103 | -55 | 5 17 34 202' |
| | | | 84 | -36 | 6 14 47 165' |
| | | | 69 | -21 | 7 11 08 120' |
| | | | 57 | -09 | 8 8° 03' 84' AMONG ROCKS |
| | | | 44 | 04 | 57 FT LEFT " |

DATUM
MEAN LOWER LOW WATER

753+96.13 N.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2825 Pg. 69
X-Sec. No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
Notes Chkd. ____ Checked ____ Survey by English Note Caro Date 1-27-76
Date ____ Date ____ Map No. ____ Indexed R.D. BAILEY Date FEB 5 1976

F.B. 2825 Pg. 70 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

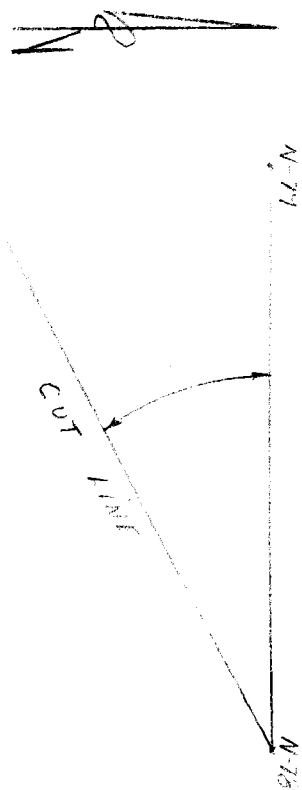
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE DEG. | RANGE MIN. | CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-78 | N-79 | 11:58 | 1 | 296 | 14 | | | |
| | | | 2 | 298 | 15 | | | |
| | | | 3 | 299 | 52 | | | |
| | | | 4 | 301 | 57 | | | |
| | | | 5 | 304. | 25 | | | |
| | | | 6 | 307. | 04 | | | |
| | | | 7 | 310. | 20 | | | |
| | | | 8 | 313 | 56 | | | |
| | | | 9 | 317 | 41 | | | |
| | | | 10 | 321 | 46 | | | |
| | | | 11 | 326 | 11 | | | |
| | | | 12 | 329. | 49 | | | |
| | | | 13 | 333 | 05 | | | |
| | | | 14 | 336 | 04 | | | |
| | | | 15 | 339 | 04 | | | |
| | | | 16 | 341 | 18 | | | |
| | | | 17 | 344 | 05 | | | |
| | | | 18 | 346 | 07 | | | |
| | | | 19 | 347 | 17 | | | |
| | | 12:05 | 20 | 348 | 19 | | | |




RANGE LINE 753+96 13

Profile No.____ Notes Red.____ Plotted____ Job No.____ Division No.____ F. B. ____ Pg. 71
Date____ Date____ Survey of LA TUNA CANYON
X-Sec. No.____ Notes Chkd.____ Checked____ Survey by LEWIS Notes____ Date____
Date____ Date____ Map No.____ Index____ D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 72 Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes A.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº. |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| | | | 21 | | | | | |
| | | | 22 | | | | | |

76-L-298 CE 307 5-66

16.19
6.61
9.58

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 756+50.43 N. |
|---|---|---|---|---|---|
| | | 11 10 | | | |
| 754+66.91 | 1022 | 1683 | 449 | 661 | N-81 L. & C.E. Tag. In N. End Sea Wall. |
| | | | | | FB 3790-106 |
| 756+50.43N | | | 127 | 41 | ℄ |
| | | | 122 | 46 | 3 FT RIGHT M.H.W |
| | | | 72 | 96 | 36 " " BRK SAND |
| | | | 38 | 130 | 62 " " " " |
| | | | 26 | 142 | 83 " " SAND TOE OF SLOPE |
| | | | +78 | 246 | 98 " " TOP SLOPE |
| | | | +78 | 246 | 101 FT. RT., FENCE |
| | | | 134 | 34 | 5 FEET LEFT SAND |
| T.P. | 100 | 522 | 1261 | 422 | |
| | | | 40 | 12 | 35 FEET LEFT |
| | | | | | TRANSIT AT N81 SIGHT ON N82 |
| | | | 61 | -09 | #1 23° 01' 79' |
| | | | 74 | -22 | 2 35 02 130' |
| | | | 99 | -47 | 3 39 50 154' |
| | | | 116 | -64 | 4 47 08 197' |
| | | | 119 | -67 | 5 53 33 246' |
| | | | 141 | -89 | 6 57 30 283' |
| | | | 151 | -99 | 7 61° 29' 329' |

DATUM
MEAN LOWER LOW WATER

H.I. CONT. TO NEXT STATION

756+50.43 N.

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 73
No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Note Zero Date 1-27-76
No. ____ Date ____ Date ____ Map No. ____ Index R. D. BAILEY Date FEB 5 1978

F. B. 2825 PG. 74 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

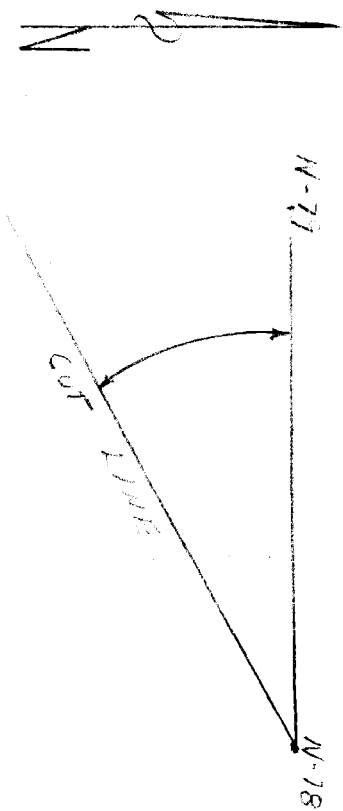
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE DEG. | FOR OFFICE USE ONLY LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-78 | N-79 | 12:16 | 1 | 299 | 27 | | | |
| | | | 2 | 301 | 04 | | | |
| | | | 3 | 302 | 47 | | | |
| | | | 4 | 305 | 25 | | | |
| | | | 5 | 307 | 46 | | | |
| | | | 6 | 310 | 21 | | | |
| | | | 7 | 313 | 10 | | | |
| | | | 8 | 316 | 30 | | | |
| | | | 9 | 319 | 51 | | | |
| | | | 10 | 324 | 08 | | | |
| | | | 11 | 327 | 10 | | | |
| | | | 12 | 331 | 20 | | | |
| | | | 13 | 334 | 39 | | | |
| | | | 14 | 337 | 23 | | | |
| | | | 15 | 340 | 56 | | | |
| | | | 16 | 343 | 25 | | | |
| | | | 17 | 345 | 26 | | | |
| | | | 18 | 347 | 22 | | | |
| | | | 19 | 348 | 51 | | | |
| | | 12:22 | 20 | 350 | 16 | | | |




RANGE LINE 756+50.43

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

No. Date Date Survey of

X-Sec. Notes Chkd. Checked Survey by Notes Date 1-27-76

No. Date Date Map No. Indexed G. D. BAILEY Date FEB 5 1976

PG-75

F. B. 2825 PG. 76 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes A.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| N-78 | N-79 | 4:12 | 27 | 237 | 04 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 759+00.55 N. |
|---|---|---|---|---|---|
| | | CONT. FROM PREVIOUS STA. 756+50.43N | | | |
| T.P | 003 | 522 524 | 001 | 521 | T.P. ON GROIN TRANSIT AT N81 SIGHT N82 |
| | | | 177 | -125 | #1 37° 23' 324' |
| | | | 161 | -109 | 2 32 59 276' |
| | | | 161 | -109 | 3 29 55 245' |
| | | | 122 | -70 | 4 24 37 196' (EST. 10± E OF GROIN) |
| | | | 114 | -62 | 5 20 07 157' ON RANGE LINE AT GROIN |
| | | | 91 | -39 | 6 15 58 122' (EST. 6± W. OF GROIN |
| | | | 78 | -26 | 7 11 11 85' 8± W " " |
| | | | 64 | -12 | 8 7° 49' 59' 8 W " " |
| | | | 48 | 02 | 32 FT LEFT |
| | | | 12 | 40 | AT CONTROL LINE |
| | | | 06 | 46 | 6 FT RT M.H.W. |
| T.P. | 1097 | 2 1619 | 002 | 522 | T.P. (ON GROIN) |
| | | | 97 | 65 | 25 FT RIGHT |
| | | | 66 | 96 | 50 " " |
| | | | 18 | 144 | 75 " BOTTOM |
| | | | +70 | 232 | 80 " " TOP DIRT BERM |
| | | | +66 | 228 | 85 " " BOT. BRK NEAR EDGE OF PAV. |
| T.P. | | | 955 | 664 | N81 L&TAG IN SEA WALL |

759+00.55 N.

DATUM
MEAN LOWER LOW WATER

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 PG. 17
X-Sec. No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
Notes Chk'd. ____ Checked ____ Survey by English Notes Corp Date 1-27-76
Date ____ Date ____ Map No. ____ Index G. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 78 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LASTUNAS BEACH HYDOSURVEY Date 1-27-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

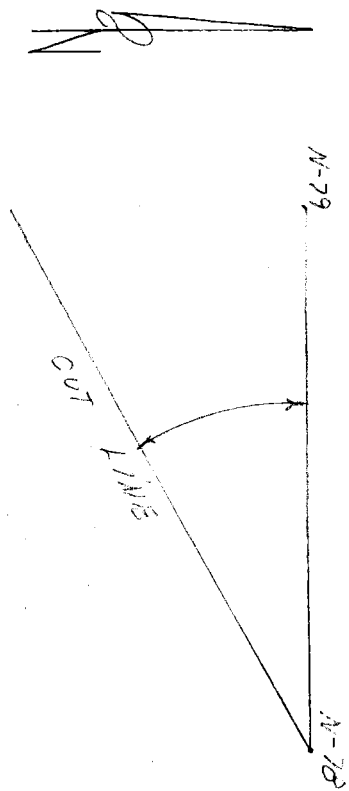
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| N-78 | N-79 | 12:37 | 1 | 302 | 15 | | | |
| | | | 2 | 304 | 12 | | | |
| | | | 3 | 306 | 06 | | | |
| | | | 4 | 308 | 17 | | | |
| | | | 5 | 310 | 43 | | | |
| | | | 6 | 313 | 12 | | | |
| | | | 7 | 316 | 33 | | | |
| | | | 8 | 320 | 02 | | | |
| | | | 9 | 323 | 36 | | | |
| | | | 10 | 327 | 02 | | | |
| | | | 11 | 330 | 26 | | | |
| | | | 12 | 333 | 18 | | | |
| | | | 13 | 336 | 11 | | | |
| | | | 14 | 338 | 59 | | | |
| | | | 15 | 341 | 15 | | | |
| | | | 16 | 342 | 35 | | | |
| | | | 17 | 344 | 16 | | | |
| | | | 18 | 345 | 38 | | | |
| | | | 19 | 347 | 15 | | | |
| | | | 20 | 348 | 24 | | | |




RANGE LINE 759+00.55

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ Pg. 79

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

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes RT Date 1-27-76

No. ____ Date ____ Date ____ Map No. ____ Indexed D. BAILEY Date FEB 5 1976

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 2605 Pg. 80 Job No. [illegible] Division No. 11 Notes Red. Plotted Profile No.

Survey of LAS TUNAS BEACH HYDRO SURV. Date Checked X-Sec. No.

Survey by RICHARDS Notes N.T. Notes Chkd. Date

Indexed G. D. BAILEY Date FEB 5 1976 Date Date

| Inst. At | Sight On | Time | Angle No | Hor. Deg. | Angle Min. | For Office Use Only Range Line Deg. | Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| N-78 | N-79 | | 21 | 349 | 25 | | | |
| | | 12:44 | 22 | 350 | 28 | | | |

| | |
|---|---|
| Notes Ck'd by | Survey of LAS TUNAS BEACH |
| Map No. | JN 0300.02 Tape Std °F |
| Office Work | Surveyed by RICHARDS |
| Checked | Notes UHARRIET Date 1-27-76 |
| Date | Indexed G. D. BAILEY FEB 5 1978 |

F. B. 2825 PG. 81

TIDE GAGE READINGS
JAN. 27, 1976
DATUM = M.L.L.W.
TIME = P.S.T.

| TIME | TIDE |
|---|---|
| 7:00 | 4.5 |
| 7:30 | 4.3 |
| 8:00 | 4.0 |
| 8:30 | 3.5 |
| 9:00 | 3.0 |
| 9:30 | 2.5 |
| 10:00 | 2.0 |
| 10:30 | 1.4 |
| 11:00 | 0.8 |
| 11:30 | 0.5 |
| 12:00 | 0.1 |
| 12:30 | -0.1 |
| 1:00 | -0.3 |
| 1:30 | -0.3 |
| 2:00 | -0.2 |
| 2:30 | 0.0 |
| 3:00 | 0.3 |

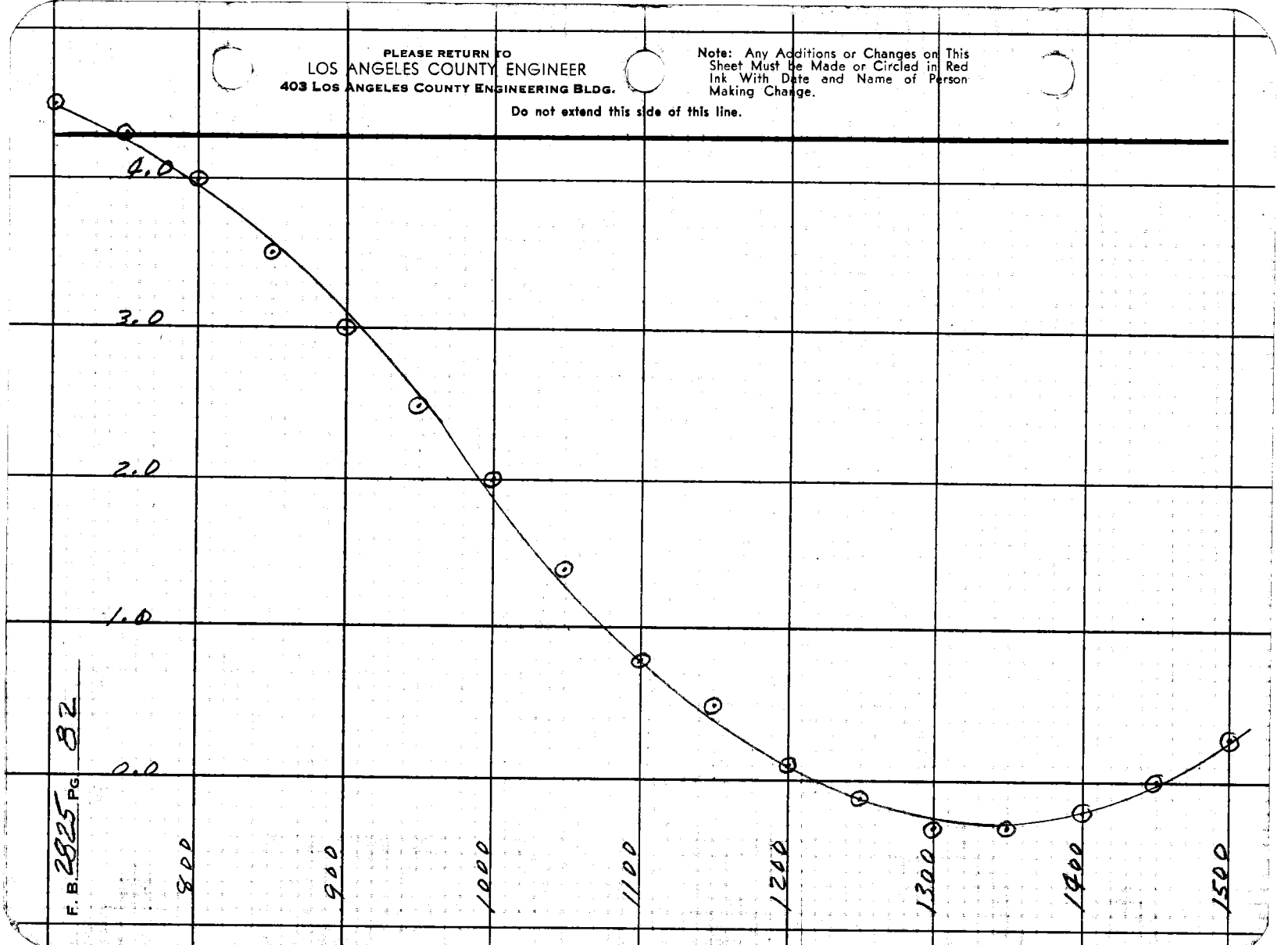
NOTE — TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink, With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 CE#310 1-65

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.




F. B. 2825 PG 82

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

761+50.67N.

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| 754+66.31 N | 760 | 14 21 | | 661 | N-81 L. & C.E. Tag. in Sea wall |
| T.P. | 372 | 13 95 | 393 | 1023 | F.B. 3790-106. |
| T.P. | 328 | 15 85 | 138 | 1257 | rock |
| 761+51.6 | | | 082 | 1503 | " ⊼-line |
| | | | 00 | 158 | " 4' K |
| | | | 32 | 127 | Sand 5' K |
| | | | 23 | 136 | " B. Brk 12' K |
| | Hand level + rod | | 76 | 235 | grd. T.B. 25' K |
| | | | 08 | 150 | 3' L. rock |
| | | | 62 | 97 | 6' L. Sand Brk |
| | | | 78 | 81 | 22' L. " |
| | | | 44 | 115 | 22' L. Top Conc. wall |
| | -390 | 65 | 55 | 104 | 31' L. " " " painted "X" |
| | | 46 | 19 | 46 | 1 FOOT LEFT, 3 FT. E. OF RANGE LINE ON E. SIDE OF GROIN |
| | | 19 | | | ⊼ AT 774+01.22 SIGHT ON N82 |
| | | | 51 | 14 | 31 FT LEFT, SAND ON E. SIDE OF GROIN |
| | | | 59 | 06 | 60 " " " " " " " " |
| | | | 65 | 00 | 76 " " N'ly of 15± FT HIGH ROCK |
| | | | 83 | -18 | #1 4° 36' 97' OUTSIDE OF " |
| | | | 93 | -28 | 2 6 10 132' DATUM |
| | | | 124 | -59 | 3 8 20 180' MEAN LOWER LOW WATER |

761+50.67 N.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 3790 Division No. 4
Date ____ Date ____ Survey of Los Angeles Beach Hydrosurvey
X-Sec. No. ____ Notes Chk'd. ____ Checked ____ Survey by Engineer Notes ____ Date ____
Date ____ Date ____ Map No. ____ Index G. D. BAILEY Date FEB 5 1976

F. B. 3790 PG. 83

F. B. 2825 PG. 84 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDOSURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes G.E. DREIER Notes Chk'd. _____ Checked _____ X-Sec.

Indexed J. D. BAILEY Date FEB 5 1978 Date _____ Date _____ No. _____

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| | | 6.5 | 171 | -106 | |
| | | | 164 | -99 | |
| | | | 198 | -133 | |
| | | | | | #4 10° 33' 231' |
| | | | | | 5 12 45 281' |
| | | | | | 6 14° 37' 325' |
| | | | | | 761+50.67 N |

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

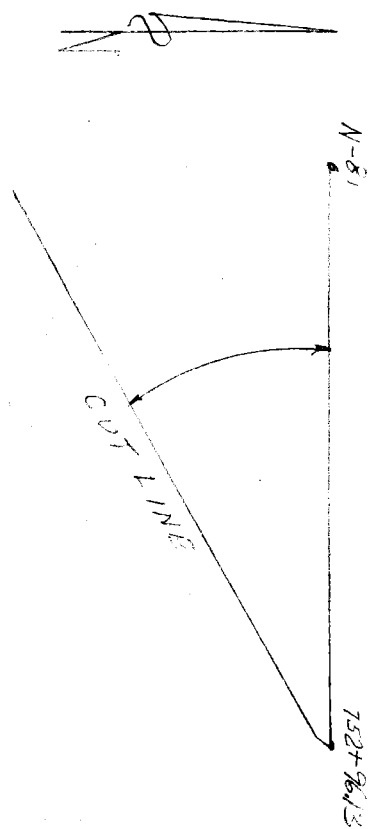
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 752+96.13 | N-81 | 10:01 | 1 | 308 | 53 | | | |
| | | | 2 | 310 | 21 | | | |
| | | | 3 | 312 | 00 | | | |
| | | | 4 | 314 | 16 | | | |
| | | | 5 | 316 | 29 | | | |
| | | | 6 | 319 | 23 | | | |
| | | | 7 | 322 | 38 | | | |
| | | | 8 | 326 | 08 | | | |
| | | | 9 | 329. | 47 | | | |
| | | | 10 | 333 | 56 | | | |
| | | | 11 | 338 | 20 | | | |
| | | | 12 | 342 | 35 | | | |
| | | | 13 | 346 | 12 | | | |
| | | | 14 | 350 | 12 | | | |
| | | | 15 | 353 | 17 | | | |
| | | | 16 | 356 | 48 | | | |
| | | | 17 | 00 | 55 | | | |
| | | | 18 | 04 | 38 | | | |
| | | 10:07 | 19 | 08 | 02 | | | |
| | | | 20 | | | | | |




RANGE LINE 761+50.67

Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 11 F. B. [illegible] Pg. 85

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 1-28-76

No. ____ Date ____ Date ____ Map No. ____ Index [illegible] D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 86 Job No. 0300 02 Division No. 11 Notes Red. Plotted Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date Date No.

Survey by RICHARDS Notes A.T. Notes Chkd. Checked X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date Date No.

761298 307 Gdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At | Sight On | Time | Angle No | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| 742+96.13 | N-81 | | 21 | | | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

764+00.78N.

| STATION | B. S. | H. I. | F. S. | ELEV. | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 1585 | | | | | | |
| T.P. | 358 | 1413 | 530 | 1055 | 1x2 | | | |
| | | | 36 | 105 | 1x2 | | ⊼-line | |
| | | | 37 | 104 | Sand | | ⊼-line | |
| | | | 14 | 127 | " | | B. B. | 20' R |
| | Hand level + rod | | 104 | 245 | grd. | | T. B | 27' R. |
| | | | 95 | 46 | 43' L Sand | | M.H.T. | |
| | -191 | 56 | 66 | 75 | 43' L. Top 1x2 | | | |
| | | | | | TRANSIT AT 774+01.22 SIGHT ON N82 | | | |
| | | | 204 | -148 | #1 | 21° 16' | 385' | |
| | | | 171 | -115 | 2 | 17 49 | 319' | |
| | | | 149 | -93 | 3 | 15 14 | 270' | |
| | | | 119 | -63 | 4 | 12 54 | 228' | |
| | | | 110 | -54 | 5 | 10 47 | 190' | |
| | | | 90 | -34 | 6 | 8 14 | 144' | |
| | | | 76 | -20 | 7 | 6 54 | 121' | |
| | | | 57 | -01 | 8 | 5 15 | 92' | |
| | | | 32 | 24 | 65 FT. LEFT | | | |

DATUM
MEAN LOWER LOW WATER

764+00.78N.

Profile Notes Red ____ Plotted ____ Job No. 8300.02 Division No. 11 F. B. 2825 Pg. 87
No. ____ Date ____ Date ____ Survey of Las Tunas Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Corp Date 1-28-76
No. ____ Date ____ Date ____ Map No. ____ Indexed B. D. BAILEY Date FEB 5 1976

F. B. 2525 PG. 88 | Job No. 030062 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

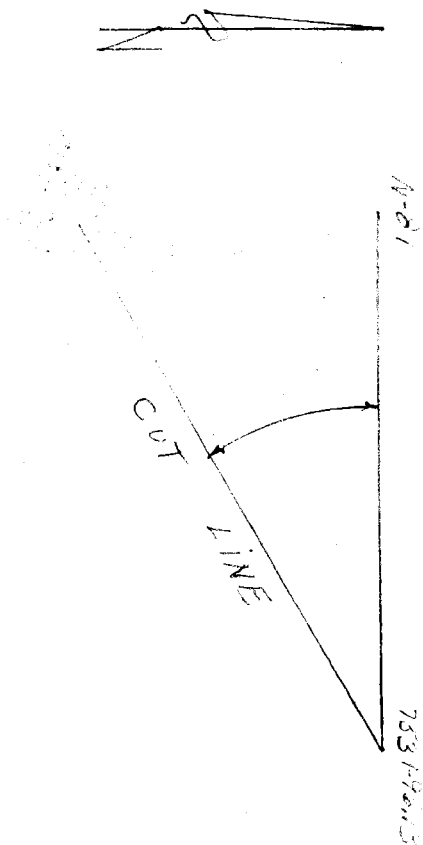
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 753+96.13 | N-81 | 10:19 | 1 | 309 | 52 | | | |
| | | | 2 | 311 | 40 | | | |
| | | | 3 | 313 | 27 | | | |
| | | | 4 | 315 | 19 | | | |
| | | | 5 | 317 | 30 | | | |
| | | | 6 | 320 | 17 | | | |
| | | | 7 | 322 | 40 | | | |
| | | | 8 | 326 | 13 | | | |
| | | | 9 | 330 | 54 | | | |
| | | | 10 | 336 | 31 | | | |
| | | | 11 | 342 | 21 | | | |
| | | | 12 | 347 | 32 | | | |
| | | | 13 | 352 | 01 | | | |
| | | | 14 | 356 | 24 | | | |
| | | | 15 | 00 | 53 | | | |
| | | | 16 | 04 | 30 | | | |
| | | | 17 | 07 | 12 | | | |
| | | | 18 | 09 | 22 | | | |
| | | 10:24 | 19 | 11 | 26 | | | |
| | | | 20 | | | | | |




RANGE LINE 764+00.78

Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 11 F. B. [illegible] Pg. 89

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARD Notes R.T. Date 1-28-76

No. ____ Date ____ Date ____ Map No. ____ Index D. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 90 | Job No. 2300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date _____ Date _____ No. _____

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At | Sight On | Time | Angle No | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| 752+96.13 | N-81 | | 21 | | | | | |
| | | | 22 | | | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 766+50.89 N. |
|---|---|---|---|---|---|
| | | 14 13 | | | |
| 766+50.89 N | 293 | 10 65 | 641 | 7 72 | Painted "X" on rock X-line |
| | Hand level | +rod | 08 | 115 | rocks B.B. 24' R. |
| | " " | +rod | 110 | 267 | grd. T.B. 34' R. |
| | | | 59 | | 5' L. Sand |
| | | | 60 | 46 | 7.3' L. " M.H.T. |
| | | | 64 | 43 | 10' L. " |
| | +172 | 4 8 | 42 | 65 | 10' L. Top 1x2 |
| | | | 33 | 15 | 40 FT LEFT |
| | | | | | TRANSIT AT 774+01.22, SIGHT ON N 82 |
| | | | 51 | -03 | #1 4° 17' 56' |
| | | | 72 | -24 | 2 7 11 94' |
| | | | 78 | -30 | 3 9 21 123' |
| | | | 99 | -51 | 4 11 56 157' |
| | | | 119 | -71 | 5 15 22 205' |
| | | | 139 | -91 | 6 19° 19' 260' |

DATUM
MEAN LOWER LOW WATER

766+50.89 N.

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 91
No. ____ Date ____ Date ____ Survey of Los Angeles Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Cano Date 1-28-76
No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1978

F. B. 2525 PG 92 | Job No. 030002 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

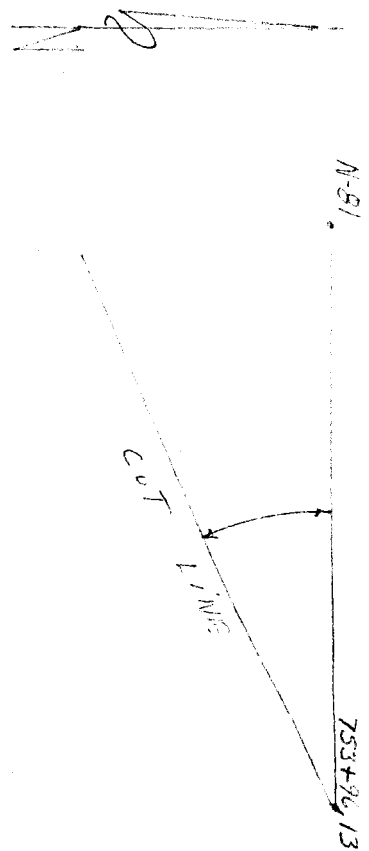
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 753+96.13 | N-81 | 10:37 | 1 | 315 | 04 | | | |
| | | | 2 | 317 | 03 | | | |
| | | | 3 | 319 | 04 | | | |
| | | | 4 | 321 | 26 | | | |
| | | | 5 | 324 | 04 | | | |
| | | | 6 | 327 | 00 | | | |
| | | | 7 | 329 | 59 | | | |
| | | | 8 | 334 | 54 | | | |
| | | | 9 | 338 | 38 | | | |
| | | | 10 | 342 | 50 | | | |
| | | | 11 | 346 | 35 | | | |
| | | | 12 | 350 | 29 | | | |
| | | | 13 | 354 | 12 | | | |
| | | | 14 | 357 | 34 | | | |
| | | | 15 | 00 | 32 | | | |
| | | | 16 | 03 | 55 | | | |
| | | | 17 | 06 | 36 | | | |
| | | | 18 | 08 | 50 | | | |
| | | | 19 | 11 | 26 | | | |
| | | | 20 | 13 | 24 | | | |




RANGE LINE 766+50.[illegible]

Profile Notes Red. ____ Plotted ____ Job No. 03[illegible] Division No. 11 F. B. 2825 Pg. 93

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT. Date 1-28-76

No. ____ Date ____ Date ____ Map No. ____ Index D. RAILEY Date FEB 5 1976

F. B. 2825 PG. 94 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date _____ Date _____ No. _____

761298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At (Don't Punch) | Sight On (Don't Punch) | Time (Don't Punch) | Angle No (Don't Punch) | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only: Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 7534-96.13 | N-81 | 10.44 | 21 | 14 | 07 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 769+01.00 N. |
|---|---|---|---|---|---|
| | | 10 65 | | | |
| 769+01.00 N | 595 | 11 53 | 507 | 558 | Top 1x2 ⊼-line |
| | | | 87 | 28 | Sand ⊼-line |
| | | | 69 | 46 | M. H. T. 14' R. |
| | | | 57 | 58 | Brk. 26' R. |
| | | | 27 | 88 | B. B. 39' R. |
| | Handlevel | trod | 168 | 283 | T. B. 55' R. |
| | | | 95 | 20 | 9' L. Sand |
| | -060 | 42 | 67 | 48 | 9' L. Top 1x2 |
| | | | | | TRANSIT AT 774+01.22 SIGHT ON N82 |
| | | | 136 | -94 | #1 29° 00' 273' |
| | | | 131 | -89 | 2 24 34 226' |
| | | | 131 | -89 | 3 21 11 192' |
| | | | 91 | -49 | 4 17 09 152' |
| | | | 83 | -41 | 5 13 46 122' |
| | | | 72 | -30 | 6 10 37 93' |
| | | | 65 | -23 | 7 8 50 77' |
| | | | 49 | -07 | 8 5° 00' 44' |

DATUM
MEAN LOWER LOW WATER

769+01.00 N.

Profile Notes Red ____ Plotted ____ Job No. 2300.02 Division No. 11 F. B. 2825 Pg. 95
No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Caro Date 1-28-76
No. ____ Date ____ Date ____ Map No. 1 Indexed R. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 96 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

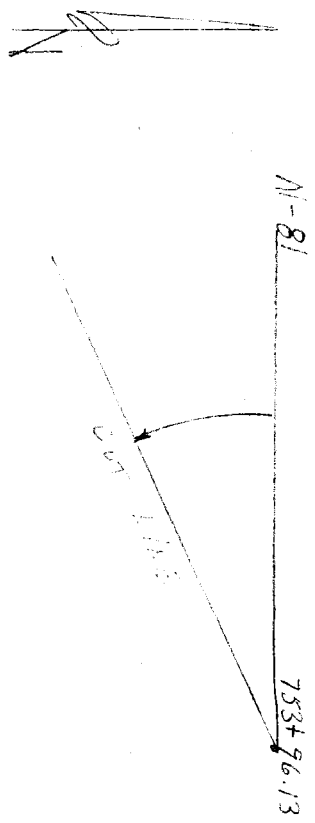
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 753+96.13 | N-81 | 11.09 | 1 | 318 | 01 | | | |
| | | | 2 | 320 | 11 | | | |
| | | | 3 | 322 | 14 | | | |
| | | | 4 | 324 | 30 | | | |
| | | | 5 | 326 | 58 | | | |
| | | | 6 | 330 | 17 | | | |
| | | | 7 | [illegible] | 10 | | | |
| | | | 8 | 336 | 55 | | | |
| | | | 9 | 341 | 15 | | | |
| | | | 10 | 345 | 53 | | | |
| | | | 11 | 350 | 31 | | | |
| | | | 12 | 354 | 24 | | | |
| | | | 13 | 358 | 17 | | | |
| | | | 14 | 01 | 57 | | | |
| | | | 15 | 05 | 17 | | | |
| | | | 16 | 07 | 32 | | | |
| | | | 17 | 09 | 29 | | | |
| | | | 18 | 11 | 07 | | | |
| | | | 19 | 12 | 45 | | | |
| | | | 20 | 14 | 06 | | | |




RANGE LINE 769+01.00

Profile Notes Red. Plotted Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 97

No. Date Date Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. Notes Chkd. Checked Survey by RICHARDS Notes R.T. Date 1-28-76

No. Date Date Map No. Indexed R. D. BAILEY Date FEB 5 1978

F. B. 2825 PG. 98 | Job No. 2300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1978 Date _____ Date _____ No. _____

761.298 307 Cdb 12-62

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

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

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

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 753+96.13 | N-81 | 11:16 | 21 | 14 | 51 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 771+51.11 N. |
|---|---|---|---|---|---|
| | | 1153 | | | |
| T.P. | 870 | 1286 | 737 | 416 | rock |
| | | | 65 | 64 | Top 1x2 ⊼-line |
| | | | 93 | 36 | Sand ⊼-line |
| | | | 83 | 46 | M. H.T. Sand 10' R. |
| | | | 63 | 66 | Sand Brk. 27' R. |
| | Hand level | +rod | 19 | 148 | rocks B. B. 49' R. |
| | " " | +rod | 171 | 300 | grd. T. B. 61' R. |
| | | | 114 | 15 | 18' L. Sand |
| | -050 | 39 | 85 | 44 | 18' L. Top 1x2 |
| | | | | | TRANSIT AT 769+01.00 SIGHT ON N83 |
| | | | 46 | -07 | #1 11° 24' 51' |
| | | | 66 | -17 | 2 24 18 115' ? |
| | | | 70 | -31 | 3 17 30 79' |
| | | | 104 | -65 | 4 29 51 146' |
| | | | 129 | -90 | 5 36 15 188' |
| | | | 123 | -84 | 6 38 50 206' |
| | | | 126 | -87 | 7 42 38 237' |
| | | | 140 | -101 | 8 46 16 270' |
| | | | 158 | -119 | 9 49° 59' 309' |

DATUM
MEAN LOWER LOW WATER

771+51.11 N.

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 99
No. ____ Date ____ Date ____ Survey of Los Angeles Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Carp Date 1-28-76
No. ____ Date ____ Date ____ Map No. 1 Indexed R. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 100 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5.66

76L298 307 Cdb 12-62

PLEASE RETURN TO

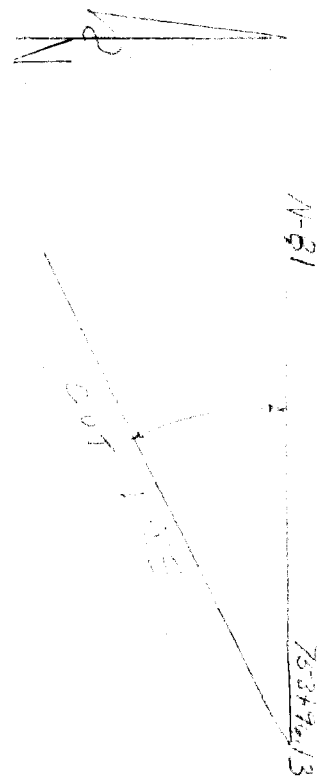
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 753+96.13 | N-81 | 11:34 | 1 | 322 | 48 | | | |
| | | | 2 | 324 | 39 | | | |
| | | | 3 | 327 | 03 | | | |
| | | | 4 | 330 | 03 | | | |
| | | | 5 | 332 | 37 | | | |
| | | | 6 | 335 | 54 | | | |
| | | | 7 | 339 | 33 | | | |
| | | | 8 | 342 | 57 | | | |
| | | | 9 | 346 | 18 | | | |
| | | | 10 | 350 | 26 | | | |
| | | | 11 | 353 | 50 | | | |
| | | | 12 | 357 | 21 | | | |
| | | | 13 | 00 | 19 | | | |
| | | | 14 | 02 | 37 | | | |
| | | | 15 | 04 | 47 | | | |
| | | | 16 | 07 | 10 | | | |
| | | | 17 | 08 | 46 | | | |
| | | | 18 | 10 | 16 | | | |
| | | | 19 | 12 | 24 | | | |
| | | | 20 | 13 | 51 | | | |




RANGE LINE 771+51.1

Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 1 F. B. 2835 Pg. 101

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes R.T. Date 1-28-76

No. ____ Date ____ Date ____ Map No. ____ Indexed B.D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 102 Job No. P300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1970 Date _____ Date _____ No. _____

761.298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 757+96.13 | N 81 | 11:40 | " " | 14 | 46 | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

774+01.22 N.

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| | | 12 86 | | | |
| T.P. | 585 | 16 32 | 239 | 10 47 | rock. |
| 774+01.22 N | | | 09 | 154 | Conc. Blk. ⊼-line |
| | Hand level +rod | | 12 | 175 | grd. Brk 7'R |
| | " " +rod | | 107 | 270 | " T. B. 27'R |
| T.P. | 528 | 10 93 | 1067 | 565 | rock |
| | Hand level +rod | | 45 | 154 | 1.6'L. Top Conc. Blk. Wall |
| | | | 16 | 93 | 4'L. Sand B. B. |
| | | | 94 | 15 | 31'L. " |
| | -06 | 37 | 66 | 43 | 31'L |
| | | | | | Unable to get M.H.T. because of Conc. Wall (ret.) |
| | | | 148 | -111 | #1 342 33° 50' (M.H.W. ABOUT 1.5 ABOVE SAND ON WALL) |
| | | | 127 | -90 | 2 292 29° 51' TRANSIT ON 769+01.00 SIGHT ON N 83 |
| | | | 127 | -90 | 3 292' 29° 51' (SAME SPOT SWIMMER DID NOT MOVE |
| | | | 126 | -89 | 4 26° 10' 250' |
| | | | 126 | -89 | 5 22 15 207' |
| | | | 102 | -65 | 6 17 34 160' |
| | | | 77 | -40 | 7 13 23 120' |
| | | | 67 | -30 | 8 10 45 96' |
| | | | 60 | -23 | 9 8 33 76' |
| | | | 47 | -10 | 10 6° 20' 56' END |

DATUM
MEAN LOWER LOW WATER

774+01.22 N.

Profile Notes Red ____ Plotted ____ Job No. 3900.02 Division No. 11 F.B. 2325 Pg. 103
No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Lupton Notes 2010 Date 1-28-76
No. ____ Date ____ Date ____ Map No. ____ Index G.D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 109 | Job No. 030002 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

| STATION | B. S. | H. I. | F. S. | ELEV. |
|---|---|---|---|---|
| | | | 47 | |
| | | | #16 | |

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

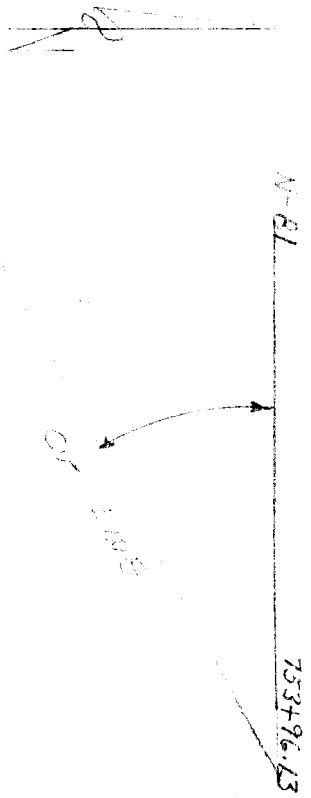
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 753+96.13 | N-81 | 11:53 | 1 | 323 | 18 | | | |
| | | | 2 | 325 | 53 | | | |
| | | | 3 | 328 | 45 | | | |
| | | | 4 | 331 | 12 | | | |
| | | | 5 | 335 | 24 | | | |
| | | | 6 | 339 | 32 | | | |
| | | | 7 | 343 | 40 | | | |
| | | | 8 | 347 | 20 | | | |
| | | | 9 | 351 | 47 | | | |
| | | | 10 | 355 | 32 | | | |
| | | | 11 | 359 | 52 | | | |
| | | | 12 | 03 | 48 | | | |
| | | | 13 | 06 | 33 | | | |
| | | | 14 | 08 | 57 | | | |
| | | | 15 | 10 | 32 | | | |
| | | | 16 | 12 | 20 | | | |
| | | | 17 | 13 | 45 | | | |
| | | 11:59 | 18 | 14 | 30 | | | |
| | | | | | | | | |
| | | | | | | | | |




RANGE LINE 774+01.22

Profile Notes Red. ____ Plotted ____ Job No. 3500.02 Division No. 11 F. B. 2824 Pg. 105

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes AT Date 1-28-76

No. ____ Date ____ Date ____ Map No. ____ Index [illegible] BAILEY Date FEB 5 1976

F. B. 2825 Pg. 106 | Job No. C300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date _____ Date _____ No. _____

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 7534 9613 | N-80 | | | | | | | |

Do not extend notes this side of this line.

761298 307 Cdb 12-62

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 776+67.61.N. | | |
|---|---|---|---|---|---|---|---|
| | | 10 93 | | | | | |
| T. P. | 520 | 13 03 | 310 | 783 | rock | | |
| 776+67.61N | | | 68 | 62 | Top 1x2 | ⊼-line | |
| | | | 86 | 44 | Sand | | |
| | | | 84 | 46 | M.H.T. | Sand | 2.5'R. |
| | | | 54 | 76 | Sand | B.B | 36'R |
| | Hand level + rod | | 166 | 296 | grd. | T.B | 63'R. |
| | | | 121 | 09 | 34'L. | Sand | |
| | -066 | 4 2 16 | 95 | 35 | 34'L. | Top 1x2 | |
| | | | | | TRANSIT AT N84 | SIGHT ON N83 | |
| | | | 54 | -12 | #1 | 4° 20' | |
| | | | 67 | -25 | 2 | 6 37 | |
| | | | 88 | -46 | 3 | 8 44 | |
| | | | 113 | -71 | 4 | 11 10 | |
| | | | 113 | -71 | 5 | 14 00 | |
| | | | 134 | -92 | 6 | 16 09 | |
| | | | 135 | -93 | 7 | 18 36 | |
| | | | 153 | -111 | 8 | 21° 08' | |

DATUM
MEAN LOWER LOW WATER

776+67.61 N.

Profile Notes Red ____ Plotted ____ Job No. 23002 Division No. 11 F. B. 2825 PG. 107
No. ____ Date ____ Date ____ Survey of Los Tramos Branch Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Eppish Notes Caro Date 1-28-76
No. ____ Date ____ Date ____ Map No. ____ Index ____ R. D. BAILEY Date FEB 5 1978

F. B. 2825 Pg. 108 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

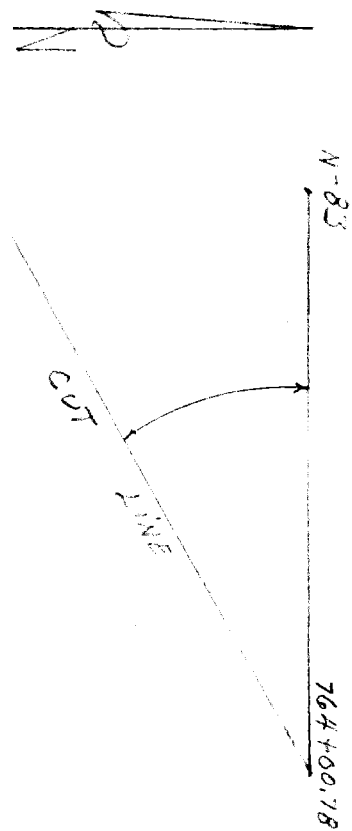
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 764+00.78 | N-83 | 12:20 | 1 | 297 | 45 | | | |
| | | | 2 | 299 | 58 | | | |
| | | | 3 | 302 | 31 | | | |
| | | | 4 | 305 | 05 | | | |
| | | | 5 | 307 | 30. | | | |
| | | | 6 | 311 | 50 | | | |
| | | | 7 | 315 | 34 | | | |
| | | | | 320 | 05 | | | |
| | | | | 325 | 33 | | | |
| | | | | 331 | 05 | | | |
| | | | | 336 | 04 | | | |
| | | | | 339 | 45 | | | |
| | | | | 342 | 41 | | | |
| | | | | 345 | 17 | | | |
| | | | | 347 | 32 | | | |
| | | 12:25 | | 349 | 00 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |




RANGE LINE 776+67.61

Profile Notes Red. ____ Plotted ____ Job No. 3300.07 Division No. 11 F. B. 2825 Pg. 109

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 1-28-76

No. ____ Date ____ Date ____ Map No. ____ Index O. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 110 | Job No. 300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date _____ Date _____ No. _____

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Aug 20 '78 | N-83 | | | | | | | |

Do not extend notes this side of this line.

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

175

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

779+35.00N.

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| | | 13 03 | | | |
| T.P. 779+35.00 N | 2.97 | 13 48 | 252 | 10 51 | L. in rock groin ℄-line |
| | | 46 | 16 | 11 9 | 8 FT RIGHT ON TOP ROCK & GROIN |
| | | 59 | 26 | 10 9 | 20 " " ON CONC. & ROCK AT BASE OF CONC. SLOPE |
| | | | + 149 | 284 | 36 " " TOP OF CONC. SLOPE |
| | | | 73 | | 10 FT LEFT SAND AT W. SIDE OF GROIN |
| | | | 89 | 46 | 25 " " " M.H.W. |
| | | | 102 | 33 | 45 " " " |
| T.P. | 242 | 4 1 2 | 1178 | 170 | ON ROCK |
| | | | | | TRANSIT AT N 84 SIGHT N 83 |
| | | | 51 | -10 | #1 9° 58' |
| | | | 63 | -22 | 2 13 04 |
| | | | 88 | -47 | 3 16 20 |
| | | | 85 | -44 | 4 18 54 |
| | | | 92 | -51 | 5 22 15 |
| | | | 116 | -75 | 6 25 55 |
| | | | 126 | -85 | 7 30 26 |
| | | | 141 | -100 | 8 34 10 |
| | | | 158 | -117 | 9 37 23 |
| T.P. | 286 | 4 28 | 270 | 142 | T.P. ON ROCK & WAY TO NAVY STA. |

779+35.00N.

DATUM
MEAN LOWER LOW WATER

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 PG. 111
No. ____ Date ____ Date ____ Survey of Los Angeles Beach Hydrosurvey 1-28-76
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Note Caro Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed B. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 112 | Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO-SURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

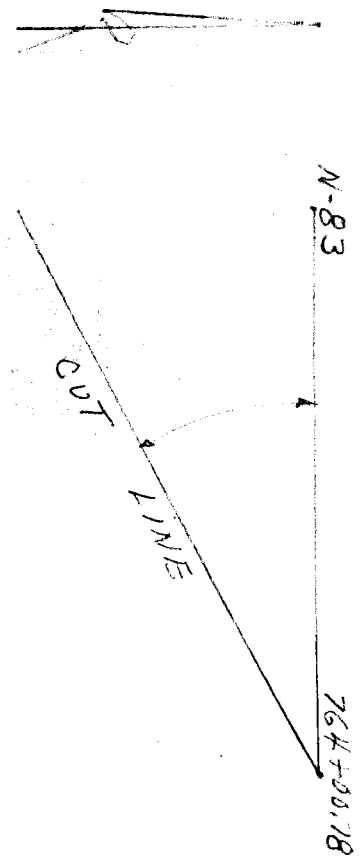
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 764+00.78 | N-83 | 12:36 | 1 | 301 | 00 | | | |
| | | | 2 | 303 | 05 | | | |
| | | | 3 | 305 | 30 | | | |
| | | | 4 | 307 | 48 | | | |
| | | | 5 | 310 | 18 | | | |
| | | | 6 | 313 | 28 | | | |
| | | | 7 | 316 | 24 | | | |
| | | | 8 | 320 | 20 | | | |
| | | | 9 | 323 | 39 | | | |
| | | | 10 | 326 | 47 | | | |
| | | | 11 | 330 | 18 | | | |
| | | | 12 | 332 | 55 | | | |
| | | | 13 | 335 | 22 | | | |
| | | | | 338 | 02 | | | |
| | | | | 340 | 45 | | | |
| | | | | 342 | 21 | | | |
| | | | | 344 | 13 | | | |
| | | | | 345 | 59 | | | |
| | | 12:41 | | 346 | 58 | | | |
| | | | | | | | | |




RANGE LINE 779+35.00

Profile Notes Red. ____ Plotted ____ Job No. 2300 Division No. 11 F. B. 28 Pg. 113

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT. Date 1-28-76

No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 114 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. D. BAILEY Date FEB 5 1976 Date _____ Date _____ No. _____

| Inst. At | Sight On | Time | Angle No | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| Don't Punch | Don't Punch | Don't Punch | Don't Punch | | | | | |
| 764400.78 | N-83 | | | | | | | |

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 Los Angeles County Engineering Bldg.

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

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

782+02.39 N.

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| | | 3 4 28 | | | H.I. CONT. FROM BOT PAGE 779+35 |
| | | | 141 | - 98 | #1 59° 53' |
| | | | 127 | - 84 | 2 52 53 |
| | | | 112 | - 69 | 3 46 58 |
| | | | 92 | - 49 | 4 39 52 |
| | | | 95 | - 52 | 5 32 38 |
| | | | 66 | - 23 | 6 26 25 |
| | | | 57 | - 14 | 7 20 20 |
| | | | 44 | - 01 | 8 15° 30' |
| T.P. | 1011 | 1414 | 025 | 403 | T.P. |
| | | | 95 | 46 | 22.5 FT. LEFT M.H.W. |
| | | | 73 | 68 | 0- STA. |
| | | | 61 | 80 | 11 FT. RIGHT BOT. BRK |
| | | | 49 | 92 | 14 " " T |
| | | | 17 | 124 | 48 " " BOT. SLOPE |
| | | | +151 | 68 292 | 65 " " TOP SLOPE 5 W. OF RANGE LINE |
| T.P. | | | -365 | 10 49 | LEAD IN ROCK AT 779+35 N PER PREVIOS STA. |

DATUM
MEAN LOWER LOW WATER

782+02.39 N.

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F.B. 2825 Pg. 115
No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Garo Date 1-18-76
No. ____ Date ____ Date ____ Map No. ____ Index G.D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 116 Job No. 0300 DR Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-28-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

76-L-298 CE 307 5-66

PLEASE RETURN TO

**LOS ANGELES COUNTY ENGINEER**

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

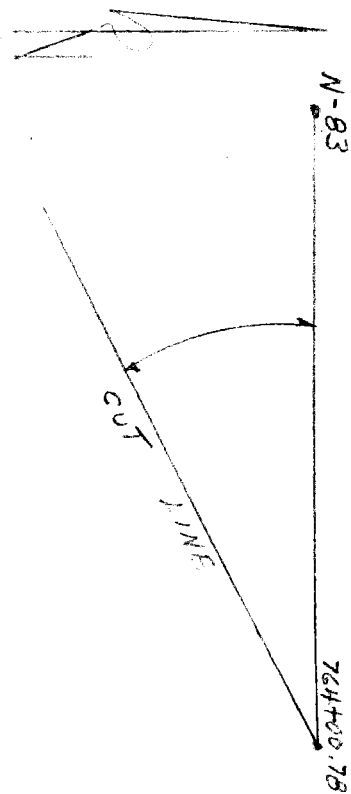
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 764+00.78 | N-83 | 12:52 | 1 | 304 | 47 | | | |
| | | | 2 | 306 | 17 | | | |
| | | | 3 | 308 | 31 | | | |
| | | | 4 | 310 | 59 | | | |
| | | | 5 | 313 | 54 | | | |
| | | | 6 | 317 | 52 | | | |
| | | | 7 | 320 | 57 | | | |
| | | | 8 | 324 | 14 | | | |
| | | | 9 | 327 | 51 | | | |
| | | | 10 | 330 | 54 | | | |
| | | | 11 | 333 | 49 | | | |
| | | | 12 | 336 | 06 | | | |
| | | | [illegible] | 338 | 01 | | | |
| | | | [illegible] | 339 | 46 | | | |
| | | | [illegible] | 341 | 30 | | | |
| | | | [illegible] | 342 | 54 | | | |
| | | | [illegible] | 344 | 14 | | | |
| | | | [illegible] | 345 | 33 | | | |
| | | 12:58 | [illegible] | 346 | 24 | | | |
| | | | | | | | | |




RANGE LINE 782+02.39

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 2300.32 Division No. ____ F. B. 2825 Pg. 117

Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 1-28-76

Date ____ Date ____ Map No. ____ Index G. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 118 Job No. 300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

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

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

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

761.298 307 Gdb 12-62

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of LAS TUNAS BEACH
JN 2300.02 Tape Std °F
Surveyed by RICHARDS
Notes HARRIET Date 1-28-76
Indexed G.D. BAILEY FEB 5 1976

F.B. 2825 PG. 119

TIDE GAGE READINGS
JAN. 28, 1976
DATUM = M.L.L.W.
TIME = P.S.T.

| TIME | TIDE |
|---|---|
| 7:00 | 5.0 |
| 7:30 | 4.8 |
| 8:00 | 4.7 |
| 8:30 | 4.3 |
| 9:00 | 3.9 |
| 9:30 | 3.4 |
| 10:00 | 2.9 |
| 10:30 | 2.3 |
| 11:00 | 1.6 |
| 11:30 | 1.0 |
| 12:00 | 0.6 |
| 12:30 | 0.1 |
| 1:00 | -0.2 |
| 1:30 | -0.3 |
| 2:00 | -0.5 |
| 2:30 | -0.3 |
| 3:00 | -0.2 |

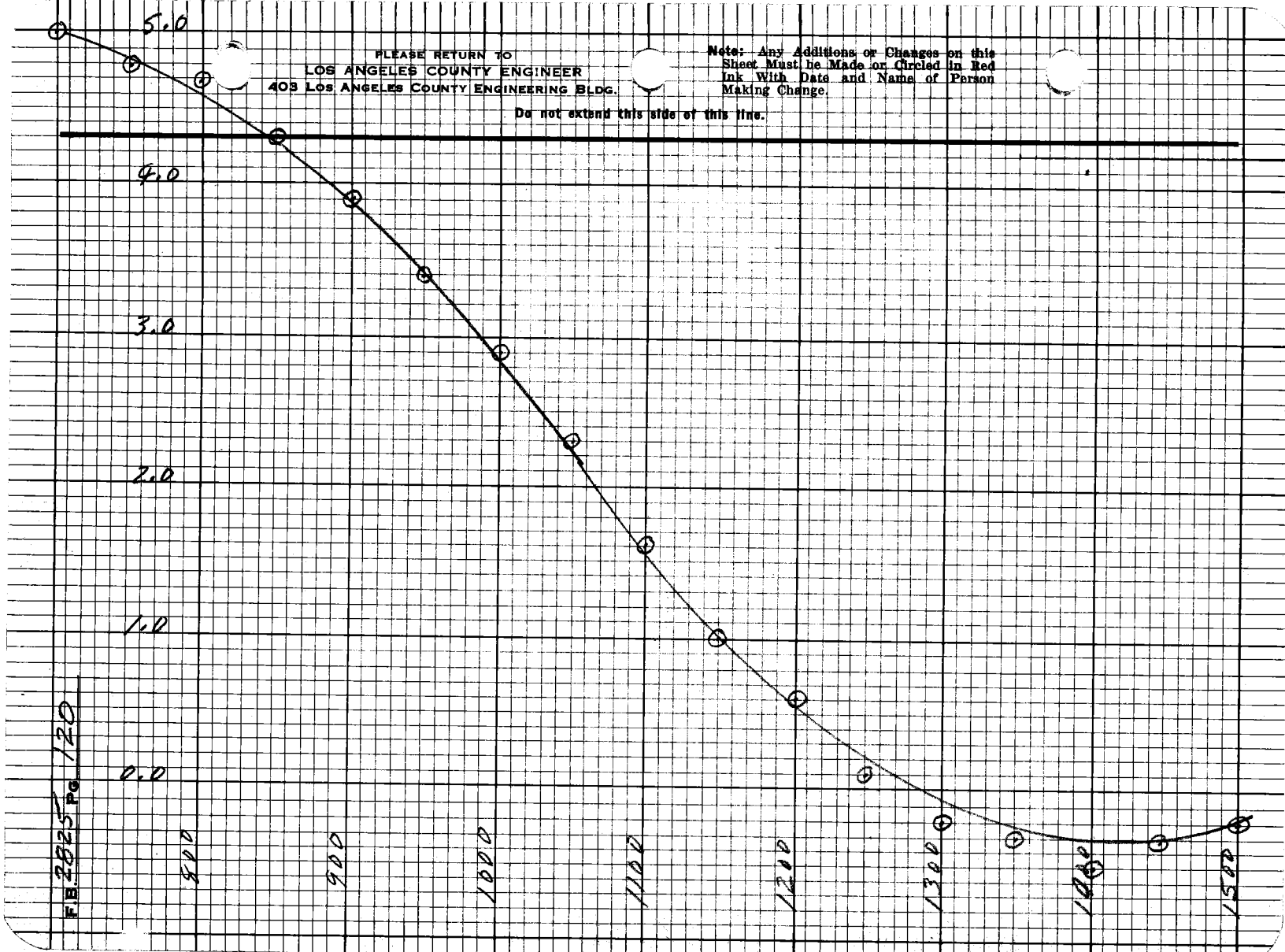
NOTE — TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

Notes: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
16F3098 CE #310 9-67

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.




F.B. 2825 PG 120

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 784+70.99 N. |
|---|---|---|---|---|---|
| 784+64.01 | 340 | 12 01 | | 8 61 | N-84, el.= 8.61, T.B.M. #12, F.B. 3790-108 |
| 784+70.99N | | | 32 | 88 | Top 1x2 ⊼-line |
| | | | 55 | 65 | Sand ⊼-line |
| | | | 49 | 71 | Pri. Prop. " @ wall (Ret.) 10' R. |
| | | | 17 | 103 | " " " T " 10' R. |
| | Hand level +rod | | 14 | 134 | " B. B. R. |
| | | | 74 | 46 | 17' L. " M. H. T. |
| | -080 | 62 | 50 | 70 | 17' L. Top 1x2 |
| | | | | | ⊼ AT 779+35.00 SIGHT ON N84 |
| | | | 27 | 35 | 25 FT LEFT |
| | | | 75 | -13 | 65 " " BEGIN ROCKS |
| | | | 84 | -22 | #1 8° 12' |
| | | | 94 | -32 | 2 10 57 |
| | | | 96 | -34 | 3 14 29 |
| | | | 131 | -69 | 4 17 08 |
| | | | 108 | -46 | 5 20 27 |
| | | | 132 | -70 | 6 23 03 |
| | | | 144 | -82 | 7 25 32 |
| | | | 159 | -97 | 8 28° 11' |

DATUM
MEAN LOWER LOW WATER

784+70.99 N.

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 121
No. ____ Date ____ Date ____ Survey of Los Tunas Beach Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Caro Date 1-29-76
No. ____ Date ____ Date ____ Map No. ____ Indexed J. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 122 | 0300.02

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

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-29-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

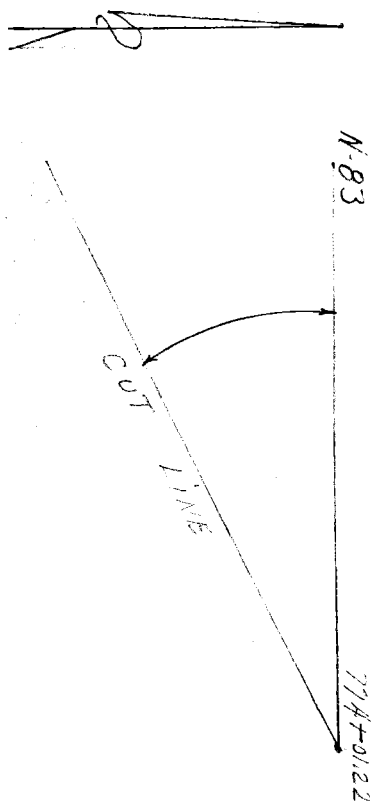
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 774+01.22 | N-83 | 10:29 | 1 | 292 | 14 | | | |
| | | | 2 | 293 | 12 | | | |
| | | | 3 | 295 | 28 | | | |
| | | | 4 | 297 | 14 | | | |
| | | | 5 | 299 | 28 | | | |
| | | | 6 | 301 | 56 | | | |
| | | | 7 | 304 | 42 | | | |
| | | | 8 | 307 | 38 | | | |
| | | | 9 | 310 | 48 | | | |
| | | | 10 | 313 | 50 | | | |
| | | | 11 | 315 | 53 | | | |
| | | | 12 | 318 | 33 | | | |
| | | | 13 | 321 | 03 | | | |
| | | | 14 | 323 | 58 | | | |
| | | | 15 | 326 | 20 | | | |
| | | | 16 | 328 | 06 | | | |
| | | | 17 | 329 | 47 | | | |
| | | | 18 | 333 | 08 | | | |
| | | 10:36 | 19 | 334 | 37 | | | |
| | | | | | | | | |




RANGE LINE 784+70.29

Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 1 F. B. [illegible] Pg. 123

No. ____ Date ____ Date ____ Survey of LAS TUNAS RANCH HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes CT Date 1-29-76.

No. ____ Date ____ Date ____ Map No. ____ Index O. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 124 Job No 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

76L298 307 Cdb 12-62

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº. |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 774+01.22 | N-83 | | | | | | | |

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

~~787+94.38 N.~~
~~784~~+94.38 N.

| STATION | B. S. | H. I. | F. S. | ELEV. | |
|---|---|---|---|---|---|
| T.P. 787+94.38 N | 434 | 12 01 / 10 65 | 570 / 7 2 | 631 / 3 4 | Top 1x2 T-line Sand T-line |
| | | | 60 | 46 | M.H.T. 10' R |
| | | | 44 | 62 | Pri. Prop. Sand @ Wall (ret.) 29' R. |
| | Handlevel | + rod | 19 | 125 | Top " " 29 R. |
| | | | 01 | 105 | Sand 30' R. |
| | | | 88 | 18 | 20' L. " |
| | +003 | 47 | 59 | 47 | 20' L. " Top 1x2 |
| | | | | | TRANSIT AT 779+35.00 SIGHT N84 |
| | | | 117 | -70 | #1 21° 28 (CORRECT WENT OUT MORE) |
| | | | 126 | -79 | 2 24 42 |
| | | | 121 | -74 | 3 22 37 |
| | | | 119 | -72 | 4 20 42 |
| | | | 102 | -55 | 5 18 46 |
| | | | 90 | -43 | 6 17 30 |
| | | | 85 | -38 | 7 15 38 |
| | | | 79 | -32 | 8 14 28 |
| | | | 60 | -13 | 9 11 51 |
| | | | 49 | -02 | 45 FT LEFT |

DATUM
MEAN LOWER LOW WATER

787+94.38 N.

Profile Notes Red ____ Plotted ____ Job No. 0300.021 Division No. 11 F. B. 2225 Pg. 125
No. ____ Date ____ Date ____ Survey of Los Angeles Bank Hydro Survey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by Lighter Notes Caro Date 29-76
No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 126 | Job No. 2300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDOSURVEY Date 1-29-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

76L298 307 Cdb 12-62

PLEASE RETURN TO

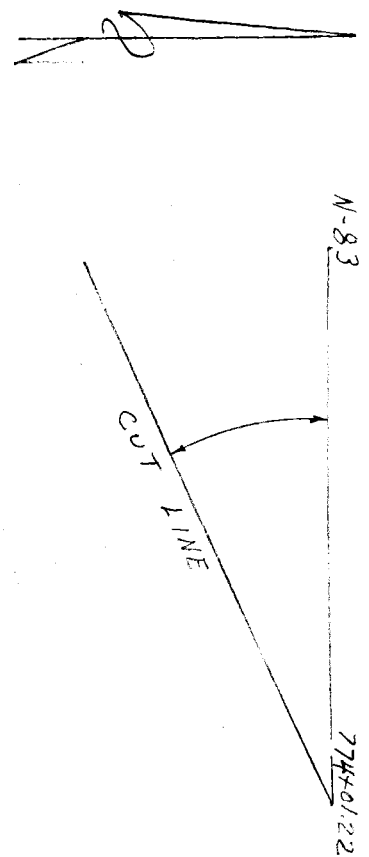
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 774+01.22 | N-83 | 10:55 | 1 | 301 | 11 | | | |
| | | | 2 | 303 | 26 | | | |
| | | | 3 | 306 | 12 | | | |
| | | | 4 | 308 | 32 | | | |
| | | | 5 | 311 | 00 | | | |
| | | | 6 | 313 | 03 | | | |
| | | | 7 | 315 | 09 | | | |
| | | | 8 | 317 | 14 | | | |
| | | | 9 | 318 | 50 | | | |
| | | | 10 | 320 | 42 | | | |
| | | | 11 | 322 | 23 | | | |
| | | | 12 | 323 | 41 | | | |
| | | | 13 | 324 | 41 | | | |
| | | | 14 | 326 | 03 | | | |
| | | | | 327 | 30 | | | |
| | | | | 329 | 04 | | | |
| | | 11:00 | 17 | 330 | 10 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |




RANGE LINE 787+74.38

Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 4 F. B. 2825 Pg. 127

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RT Date 1-29-76

No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 128 Job No. 2300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | For Office Use Only Range Line Min. | For Office Use Only Card No. |
|---|---|---|---|---|---|---|---|---|
| 774+01.22 | N-83 | | | | | | | |

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

761298 307 Cdb 12-62

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

791+17.77 N.

| STATION | B. S. | H. I. | F. S. | ELEV. | | | |
|---|---|---|---|---|---|---|---|
| | | 10 65 | | | | | |
| T.P. | 392 | 11 87 | 270 | 795 | 1X2 | | |
| 791+17.77N | | | 29 | 90 | Top 1X2 | T-line | |
| | | | 60 | 59 | Sand | T-line | |
| | | | 23 | 96 | Pri. Prop. " | Brk | 33' R. |
| | | | 17 | 102 | " " " | B. B. | 38' R. |
| | Hand level | trod | 32 | 151 | " " " on | Slope | 42' R |
| | | | 73 | 46 | 17' L. " M. H. T | | |
| | | | 94 | 25 | 39' L. Sand | | |
| | -070 | 48 | 64 | 55 | 39' L. Top 1X2 | | |
| | | | | | TRANSIT AT 779+35.00 SIGHT ON N84 | | |
| | | | 32 | 16 | 50 FT LEFT | | |
| | | | 48 | 00 | #1 13° 46' | | |
| | | | 68 | -20 | 2 15 07 | | |
| | | | 77 | -29 | 3 16 27 | | |
| | | | 101 | -53 | 4 17 49 | | |
| | | | 99 | -51 | 5 19 11 | | |
| | | | 134 | -86 | 6 20 39 | | |
| | | | 145 | -97 | 7 21 46 | | |
| | | | 151 | -103 | 8 22° 29' | | |

DATUM
MEAN LOWER LOW WATER

791+17.77 N.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2825 Pg. 129
X-Sec. No. ____ Date ____ Date ____ Survey of Las Tunas Beach Hydro survey
Notes Chk'd. ____ Date ____ Checked ____ Survey by Engineer Notes Euro Date 1-29-76
Map No. ____ Date ____ Index G. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 130

Job No. 0300.02 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-29-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

76L298 307 Cdb 12-62

PLEASE RETURN TO

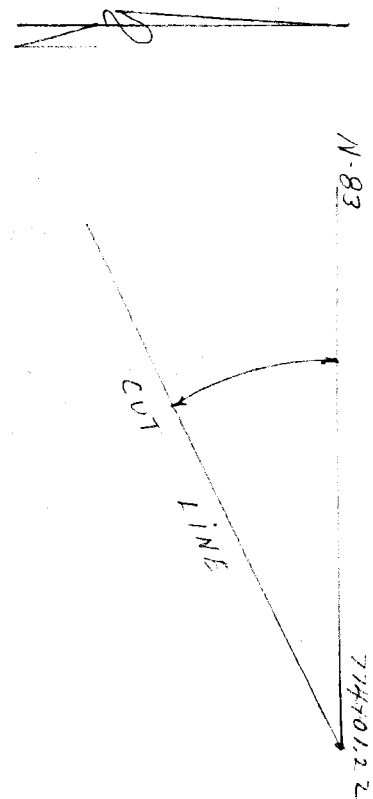
LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 774+01.22 | N-83 | 11:25 | 1 | 302 | 23 | | | |
| | | | 2 | 304 | 32 | | | |
| | | | 3 | 306 | 40 | | | |
| | | | 4 | 309 | 04 | | | |
| | | | 5 | 311 | 22 | | | |
| | | | 6 | 313 | 52 | | | |
| | | | 7 | 316 | 19 | | | |
| | | | 8 | 317 | 59 | | | |
| | | | 9 | 319 | 50 | | | |
| | | | 10 | 321 | 12 | | | |
| | | | 11 | 322 | 16 | | | |
| | | | 12 | 323 | 21 | | | |
| | | | 13 | 324 | 44 | | | |
| | | | 14 | 325 | 38 | | | |
| | | | 15 | 326 | 40 | | | |
| | | | 16 | 327 | 40 | | | |
| | | | 17 | 328 | 33 | | | |
| | | 11:29 | 18 | 329 | 08 | | | |
| | | | | | | | | |
| | | | | | | | | |




RANGE LINE 791+17.77

Profile Notes Red. ____ Plotted ____ Job No. 2300.08 Division No. 11 F. B. 2825 Pg. 131

No. ____ Date ____ Date ____ Survey of LAS TUNAS BEACH HYDRO SURVEY

X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes RJ Date 1-29-76

No. ____ Date ____ Date ____ Map No. ____ Index G.D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 132 | Job No. 0300.02 Division No. 11 | Notes Red. | Plotted | Profile

Survey of LAS TUNAS BEACH HYDRO SURVEY | Date | Date | No.

Survey by RICHARDS | Notes R.T. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 7M to 1.22 | N-83 | | | | | | | |

Do not extend notes this side of this line.

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76L298 307 Cdb 12-62

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 793+80.62 N. |
|---|---|---|---|---|---|
| | | 11 87 | | | |
| T.P. 793+80.62 N | 383 | 15 70 | 000 | 11 87 | Top 1x2 T-line |
| | | | 50 | 107 | Sand T-line |
| | | | 49 | 108 | " @ Wall base of Ho. 18' R. |
| | | | 58 | 99 | 32' L. " Brk |
| | | | 73 | 84 | 33' L. " " |
| | | | 111 | 46 | 75' L. " M.H.T. |
| | | | 142 | 15 | 105' L. " |
| | 008 | 38 | 120 | 37 | 105' L. Top 1x2 |
| | | | | | TRANSIT AT 779+35.00 SIGHT ON N84 |
| | | | 200 | -162 | #1 21° 13' |
| | | | 168 | -130 | 2 20 04 |
| | | | 121 | -83 | 3 18 38 |
| | | | 102 | -64 | 4 17 02 |
| | | | 84 | -46 | 5 15 30 |
| | | | 78 | -40 | 6 14 26 |
| | | | 63 | -25 | 7 13 41 AMONG VISIBLE ROCKS |
| | | | 48 | -10 | 8 12° 32' " " " |
| | | | 32 | 06 | 113 FT LEFT BRK. & END OF ROCKS |

DATUM
MEAN LOWER LOW WATER

793+80.62 N.

Profile Notes Red ____ Plotted ____ Job No. 0300.02 Division No. 11 F. B. 2025 PG. 133
No. ____ Date ____ Date ____ Survey of Los Angeles Bench Hydrosurvey
X-Sec. Notes Chk'd. ____ Checked ____ Survey by English Notes Caro Date 1-29-76
No. ____ Date ____ Date ____ Map No. ____ Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 136

Job No. 0300.02 Division No. Notes Red Plotted Profile

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-29-76 Date No.

Survey by RICHARDS Notes Notes Chk'd. Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

76-L-298 CE 307 5-66

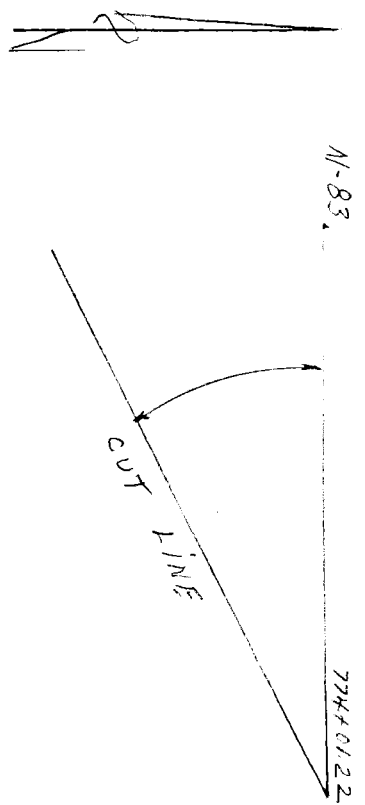
76L298 307 Cdb 12-62

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

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

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

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE DEG. | LINE MIN. | CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 774+01.22 | N-83 | 11:46 | 1 | 306 | 33 | | | |
| | | | 2 | 308 | 38 | | | |
| | | | 3 | 310 | 39 | | | |
| | | | 4 | 312 | 37 | | | |
| | | | 5 | 314 | 08 | | | |
| | | | 6 | 315 | 46 | | | |
| | | | 7 | 317 | 32 | | | |
| | | | 8 | 319 | 32 | | | |
| | | | 9 | 321 | 37 | | | |
| | | | 10 | 323 | 37 | | | |
| | | | 11 | 325 | 10 | | | |
| | | | 12 | 326 | 41 | | | |
| | | | 13 | 327 | 47 | | | |
| | | 11:49 | 14 | 328 | 55 | | | |




RANGE LINE 793+30.62

Profile Notes Red. Plotted Job No. 300.02 Division No. 11 F. B. 6825 Pg. 135
No. Date Date Survey of LAS TUNAS BEACH HYDRO. SURVEY
X-Sec. Notes Chkd. Checked Survey by ARCHER Notes A.T. Date 1-29-76
No. Date Date Map No. Indexed G. D. BAILEY Date FEB 5 1976

F. B. 2825 PG. 136 | Job No. 0300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Line Deg. | Range Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 794+01.22 | 11-83 | | | | | | | |

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

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

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

76L298 307 Gdb 12-62

76-L-298 CE 307 5-66

PLEASE RETURN TO
**LOS ANGELES COUNTY ENGINEER**
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

| STATION | B. S. | H. I. | F. S. | ELEV. | 796+38.83 N. |
|---|---|---|---|---|---|
| T.P. | | 15 70 | | | |
| 796+38.83 N | 398 | 14 32 | 536 | 1034 | Top 1X2 T-line |
| | | | 40 | 103 | Sand T-line |
| | | | 30 | 113 | Pri. Prop. " Brk 35' R. |
| | | | 15 | 128 | " " grd. on Slope under Ho. 42' R |
| | | | 97 | 46 | 60' L. M. H. T. |
| | | | 124 | 19 | 93' L. Sand |
| | | | 94 | 49 | 93' L. Top 1X2 |
| T. P. | 557 | 17 71 | 218 | 1214 | |
| T. P. | | | 359 | 1412 | T.P. P.O.T. L. & T. in Rock |
| | | | | | Sta. 794+46.74. F.B. 3790-109. |
| T.P. | -01 | 48 | | 49 | 93' L. TOP OF 1X2 |
| | | | 43 | 05 | 140 FT LEFT |
| | | | | | TRANSIT AT 779+35 SIGHT ON N84 |
| | | | 64 | -16 | #1 10° 42' |
| | | | 75 | -27 | 2 11 59 |
| | | | 97 | -49 | 3 12 49 |
| | | | 120 | -72 | 4 14 23 |
| | | | 129 | -81 | 5 15 50 |
| | | | 182 | -134 | 6 17 01 |
| | | | 218 | -170 | 7 18° 13 |

DATUM
MEAN LOWER LOW WATER

796+38.83 N.

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. ____ Division No. ____
X-Sec. No. ____ Notes Chk'd. ____ Date ____ Checked ____ Date ____ Survey of Los Angeles Beach Hydrosurvey
Survey by English Notes Cara Date 1-29-76
Map No. ____ Index G. D. BAILEY Date FEB 5 1976

F. B. 2825 Pg. 137

F. B. 2825 PG. 138 | 0300.02

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

Survey of LAS TUNAS BEACH HYDROSURVEY Date 1-29-76 Date _____ No. _____

Survey by RICHARDS Notes _____ Notes Chk'd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

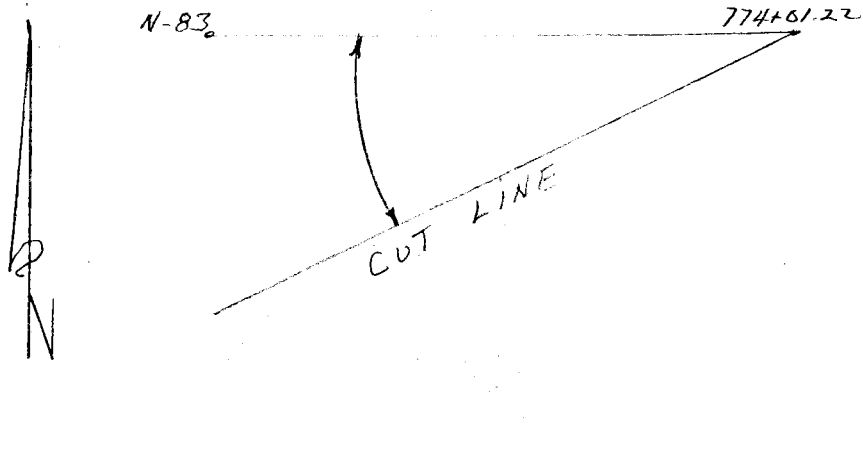
76-L.298 CE 307 5-66

Profile No. _____ Notes Red. _____ Plotted _____ Job No. 0300.02 Division No. 1 | F. B. 2825 Pg. 139

Date _____ Date _____ Survey of LAS TUNAS BEACH HYDRO. SURVEY

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by [illegible] Notes R.T. Date 1-29-76

Date _____ Date _____ Map No. _____ Indexed G. D. BAILEY Date FEB 5 1976




RANGE LINE 796+38.83

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

725 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

| INST. AT | SIGHT ON | TIME | ANGLE Nº | HOR. ANGLE DEG. | HOR. ANGLE MIN. | FOR OFFICE USE ONLY RANGE LINE DEG. | FOR OFFICE USE ONLY RANGE LINE MIN. | FOR OFFICE USE ONLY CARD Nº |
|---|---|---|---|---|---|---|---|---|
| DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | DON'T PUNCH | | | | | |
| 774+01.22 | N-83 | 12:02 | 1 | 311 | 36 | | | |
| | | | 2 | 313 | 40 | | | |
| | | | 3 | 315 | 34 | | | |
| | | | 4 | 318 | 03 | | | |
| | | | 5 | 319 | 49 | | | |
| | | | 6 | 322 | 08 | | | |
| | | | 7 | 323 | 45 | | | |
| | | | 8 | 325 | 20 | | | |
| | | | 9 | 327 | 02 | | | |
| | | | 10 | 328 | 01 | | | |
| | | | 11 | 328 | 49 | | | |
| | | 12:05 | 12 | 330 | 06 | | | |

76L298 307 Cdb 12-62

F. B. 2825 PG. 140 | Job No. Q300.02 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of LAS TUNAS BEACH HYDRO. SURVEY Date _____ Date _____ No. _____

Survey by RICHARDS Notes R.T. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

| Inst. At Don't Punch | Sight On Don't Punch | Time Don't Punch | Angle No Don't Punch | Hor. Angle Deg. | Hor. Angle Min. | For Office Use Only Range Deg. | Line Min. | Card No. |
|---|---|---|---|---|---|---|---|---|
| 77+40 1.22 | N-83 | | | | | | | |

Do not extend notes this side of this line.

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

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

70L293 307 Cdb 12-62

| | |
|---|---|
| Notes Ck'd by | Survey of LAS TUNAS BEACH |
| Map No. | JN 2300-02 Tape Std °F |
| Office Work | Surveyed by RICHARDS |
| Checked | Notes U HARRIET Date 1-29-76 |
| Date | Indexed G. D. BAILEY FEB 5 1976 |

F. B. 2995 PG. 141

TIDE GAGE READINGS
JAN. 29, 1976
DATUM = M.L.L.W.
TIME = P.S.T.

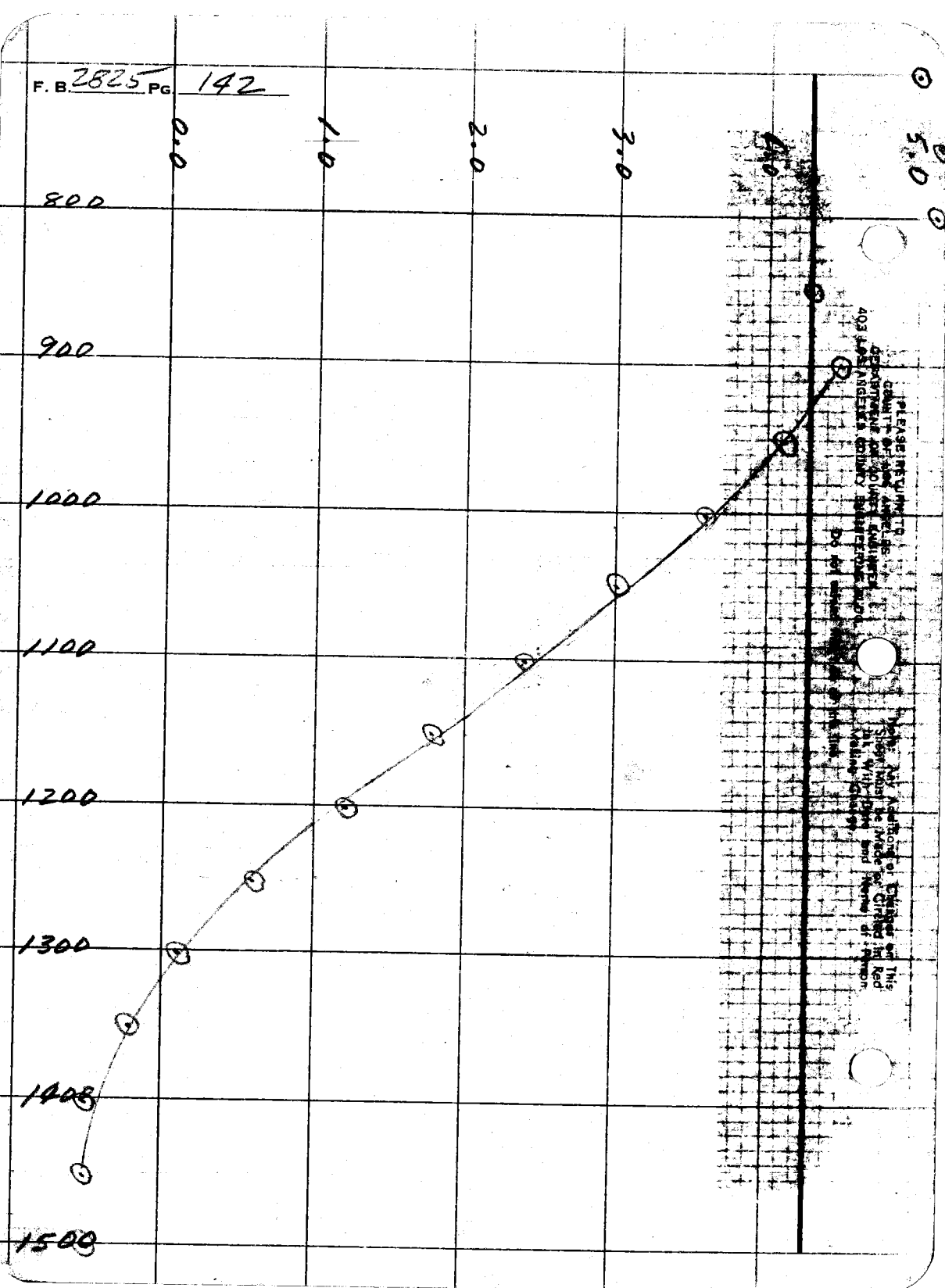
| TIME | TIDE |
|---|---|
| 7:00 | 5.0 |
| 7:30 | 5.1 |
| 8:00 | 5.1 |
| 8:30 | 4.8 |
| 9:00 | 4.5 |
| 9:30 | 4.1 |
| 10:00 | 3.6 |
| 10:30 | 3.0 |
| 11:00 | 2.4 |
| 11:30 | 1.8 |
| 12:00 | 1.2 |
| 12:30 | 0.6 |
| 1:00 | 0.1 |
| 1:30 | -0.2 |
| 2:00 | -0.5 |
| 2:30 | -0.5 |
| 3:00 | -0.5 |

NOTE — TIDE GAGE IS LOCATED AT SOUTH END OF BERTH 60, L.A. OUTER HARBOR.

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

Do not extend this side of this line.

PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

16F3095 CE#310 3-68

F. B. 2825 PG. 142