'd by

ork

Survey of Beach Control Recovery F.B. 320 Pg. 5

W. O. 4900 Tape No. St'd °F

Surveyed by Moore

Notes Date

Indexed A. C. Jones 12-22-42

GEODETIC CONTROL

BEACH CONTROL LINE RECOVERY SURVEY FROM

STOC N.T.S. - SOUTH

TO S-37 (pgs 7-28)

AND FROM

STOC N.T.S. NORTH

TO N-72 (pgs 29-56)

JN 4900

Microfilmed July 85

P.B. 930 Pg. 6

3-18-53
English
pages
7-14

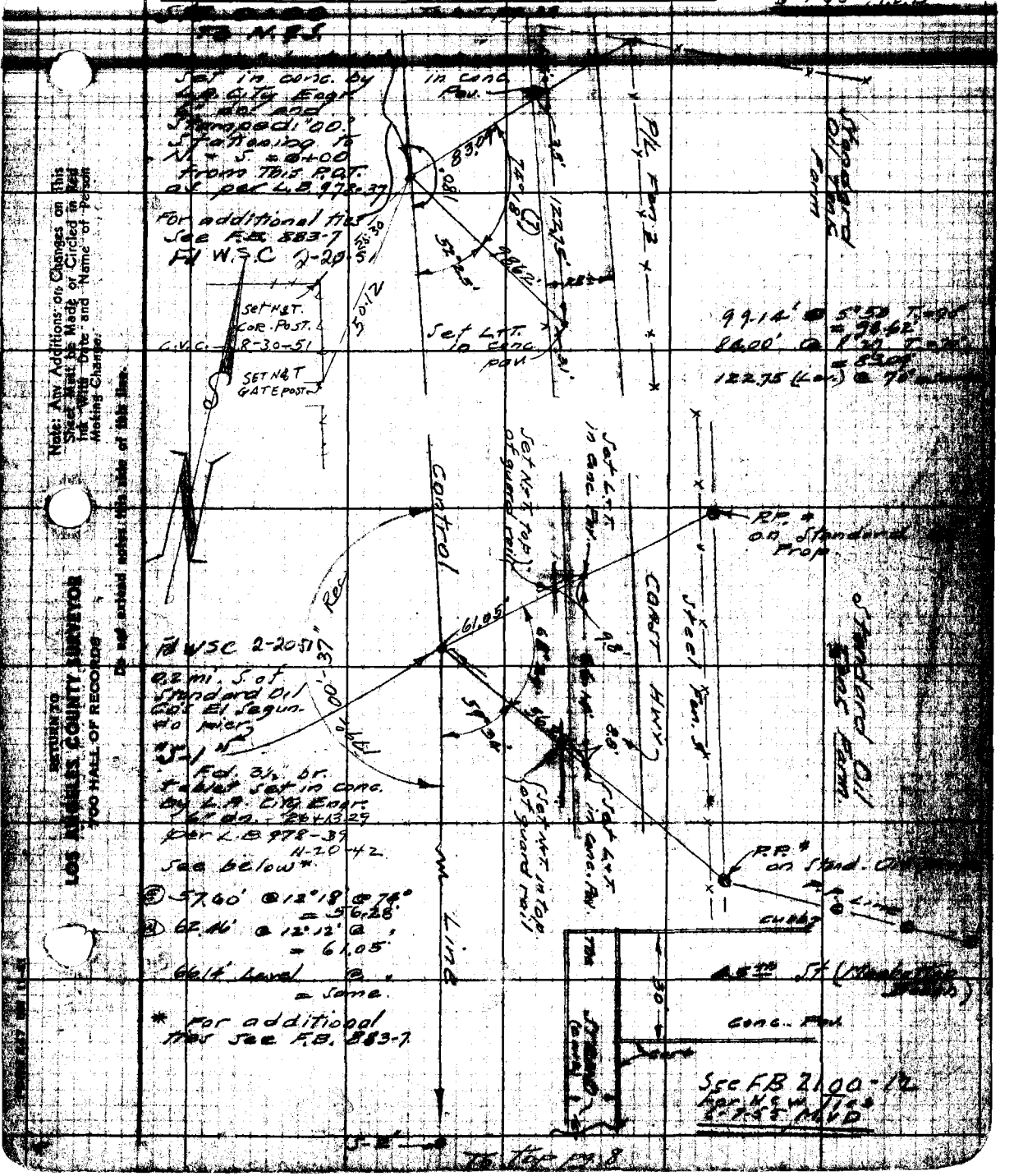
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Beach Control Recovery	F.B. 930 Pg. 7
Map No.	W. O. [illegible] Tape No. [illegible] St'd [illegible] °F	
Office Work	Surveyed by L. Moore	
Checked	Notes [illegible] Date 11-20-42	
Date	Indexed 12-21-42	

See FB 2100-11 For New Ties 6-7-55 MVD



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

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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Notes Ck'd by	Survey of Beach Control Recovery	F.B. [illegible] Pg. 7
Map No.	W. O. [illegible] Tape No. [illegible] St'd [illegible] °F	
Office Work	Surveyed by L. Moore	
Checked	Notes [illegible] Date 11-20-42	
Date	Indexed A. C. Johnson 12-22-42	

See FB 2100-14
For New Ties
6-7-55 M.V.D

From bot pg 8

Control

Set L.&T. in conc. curb

STRAND

Brick + Tile Sheltered Patio

Brick wall

Fd W.S.c 2-21-51
"S-3A" 75+00 per
L.B. 978-45
Fd. punched spk.
Set in conc.
filled 2" I.P. 8" dn.
11-20-42

For add'tn'l ties
See FB 883-8

72.05'

50.75'

Set L.&T. in con. curb.

7.3'

Light Post # 552

Set L.&T. in conc. curb.

Conc. walls

179°-04'-12" Rec

Line

116.7'

WALK

Curb

℄ of 91st St.
(Manhattan Bl.)

"S-4"

To top pg 10

72.665' @ 68° @ 7°27' = 72.05
51.475' @ " @ 9°28' = 50.75
55.05' @ " @ 9°30' = 54.295

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

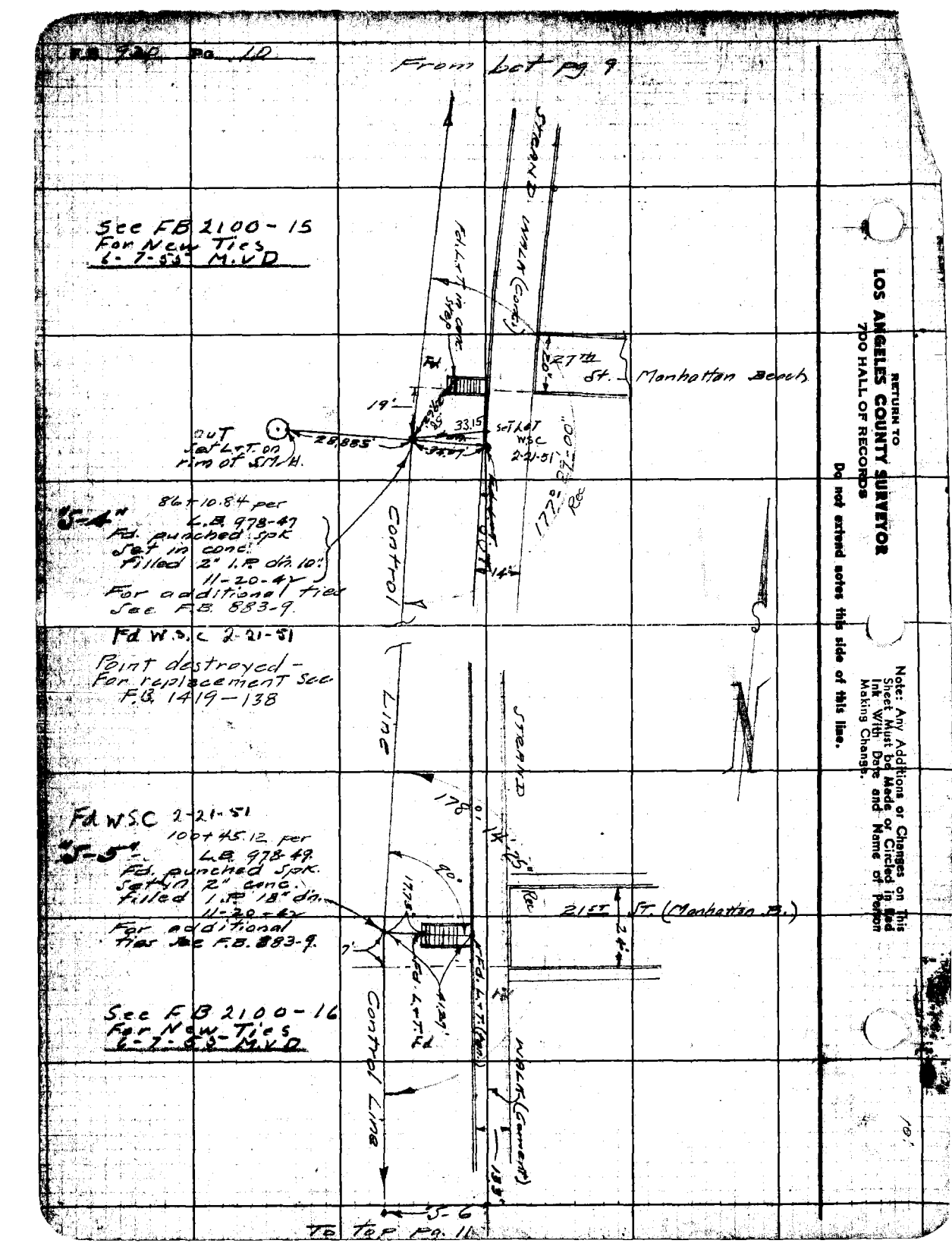
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

FORM 247 BM 11-41

F.B. 2100 Pg. 10

From Lot Pg 9



TB Top Pg. 11

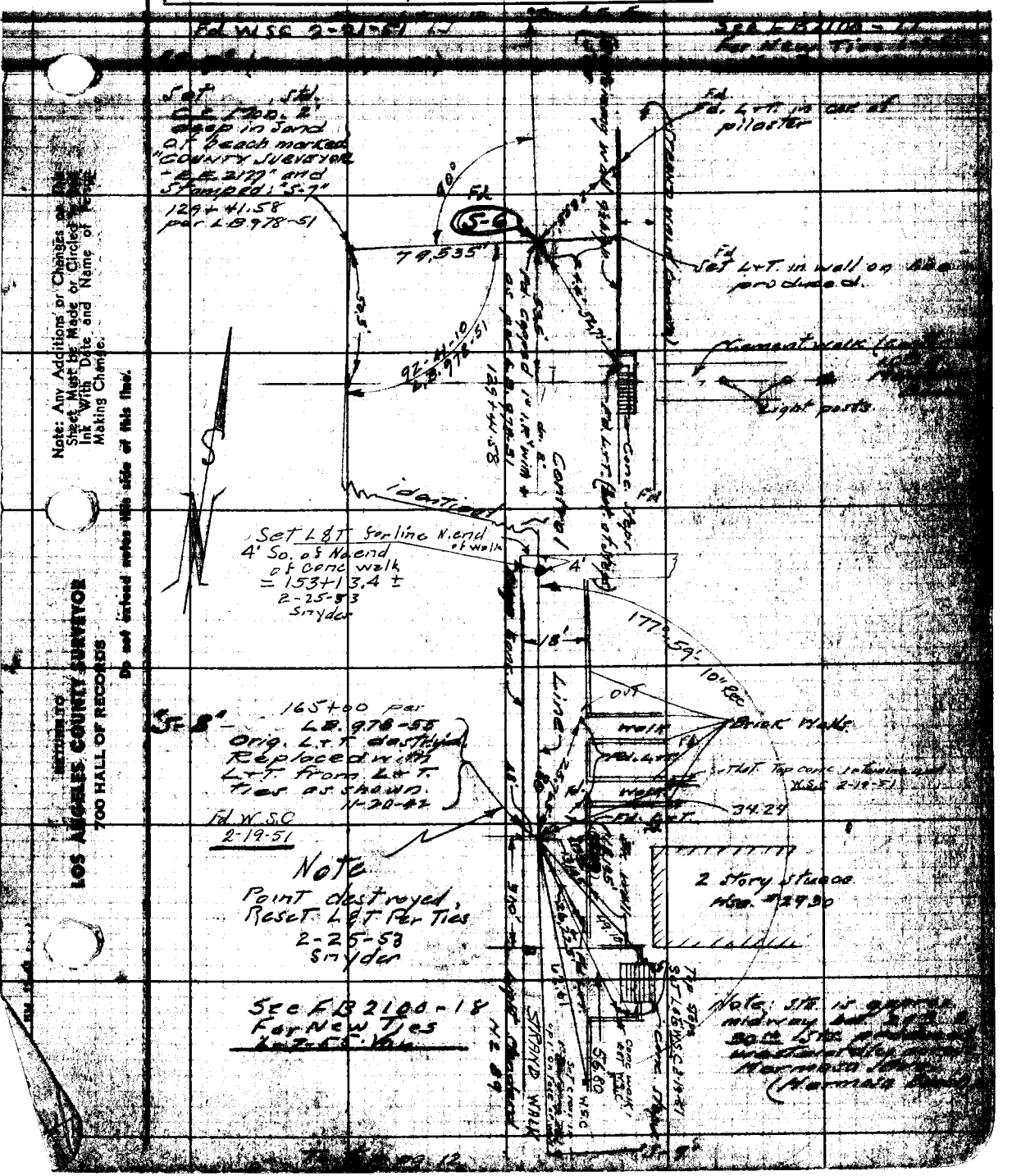
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Beach Control Recovery
Map No.	W. O. [illegible] Tape No. [illegible] Std. [illegible]
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 11-19-42
Date	Indexed [illegible] 12-7-42

F.B. [illegible] Pg. [illegible]



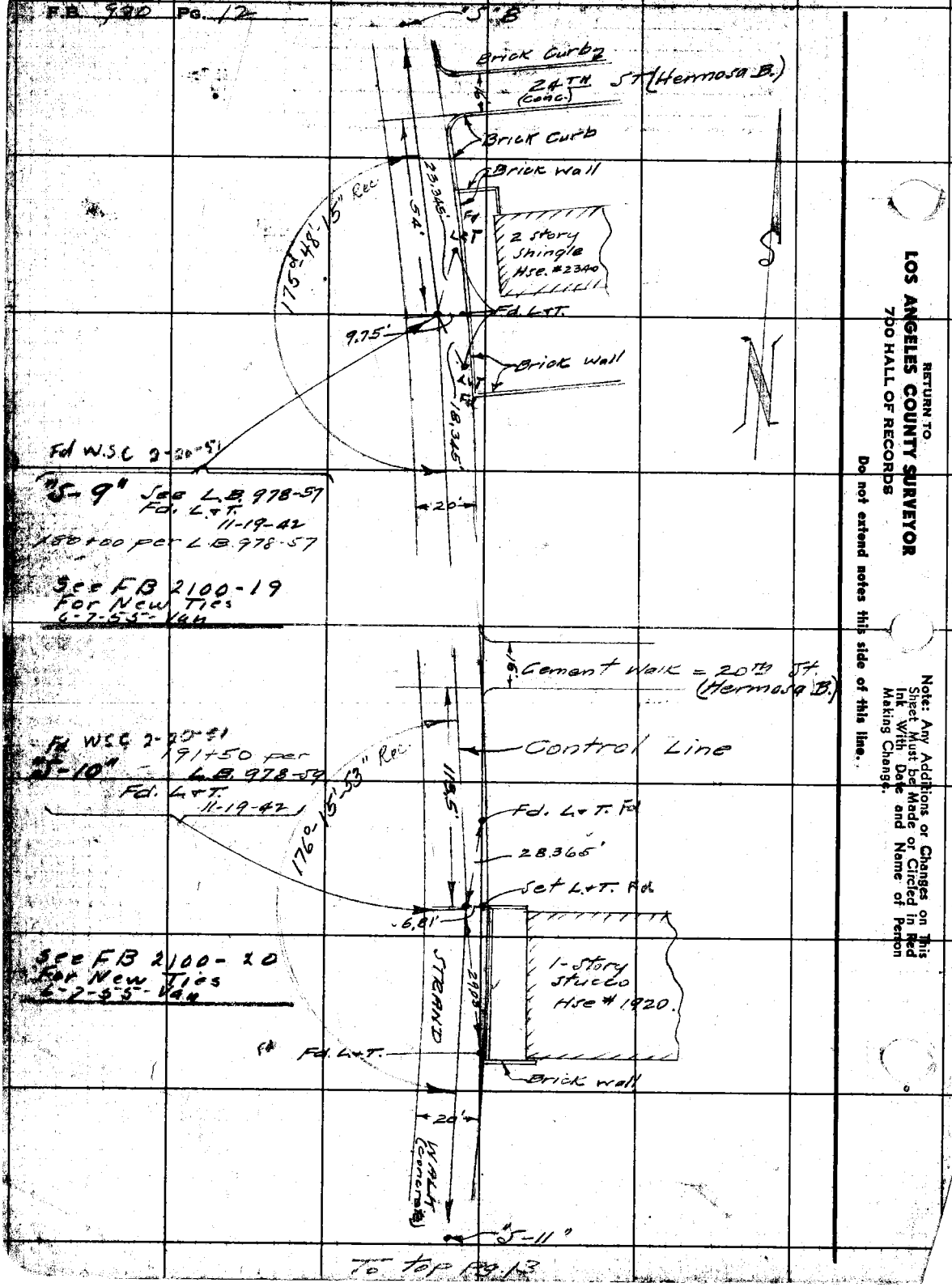
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

From bot Pg. 11

F.B. 930 Pg. 12



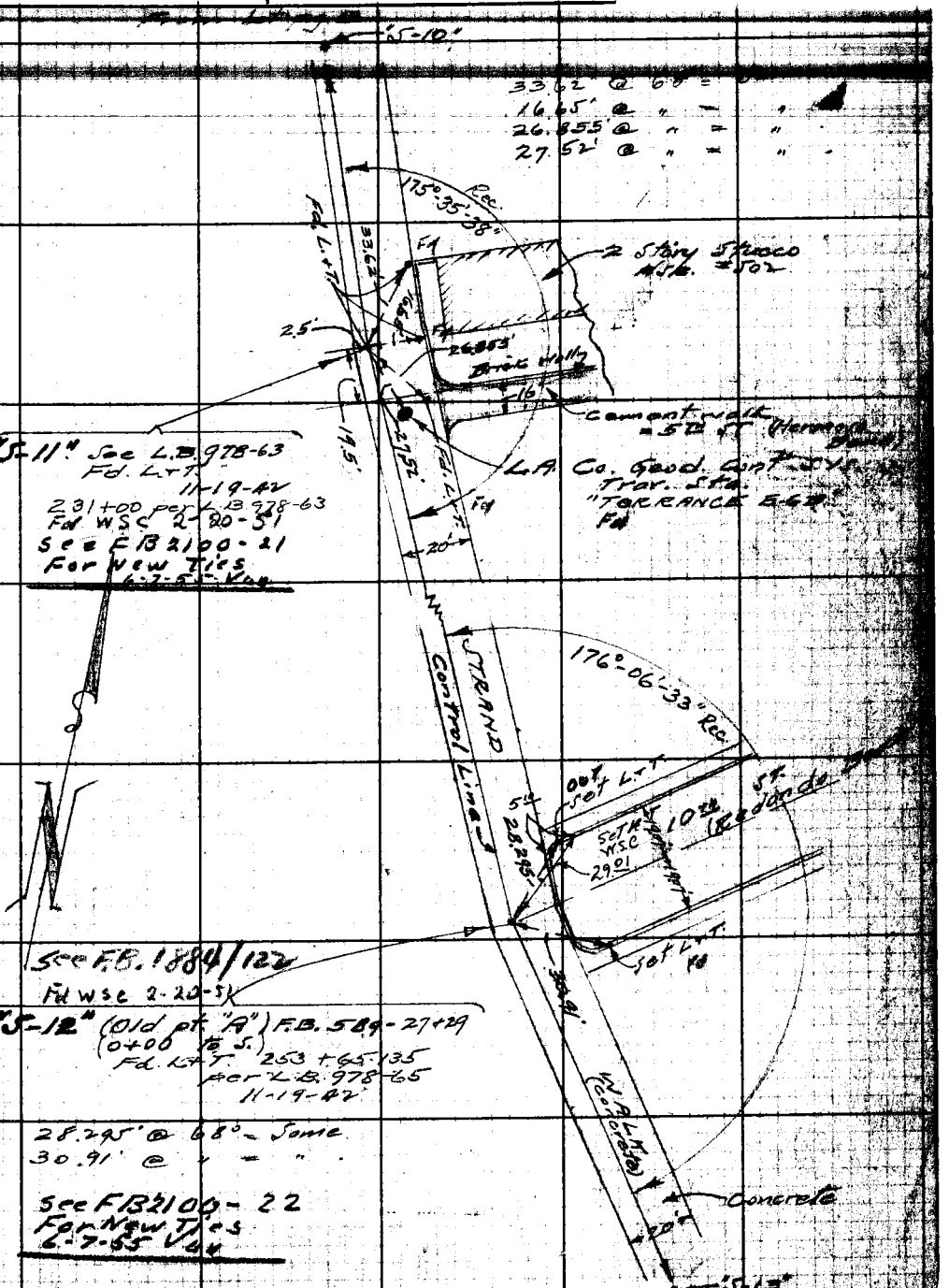
To top Pg. 13

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Beam Control Recovery	F.B. 978 Pg. 13
Map No.	W. O. [illegible] Tape No. 077 Sl'd [illegible]	
Office Work	Surveyed by L. Moore	
Checked	Notes [illegible] Date [illegible]	
Date	Indexed 12-22-42	



To top pg. 14

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

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

From bot pg 13

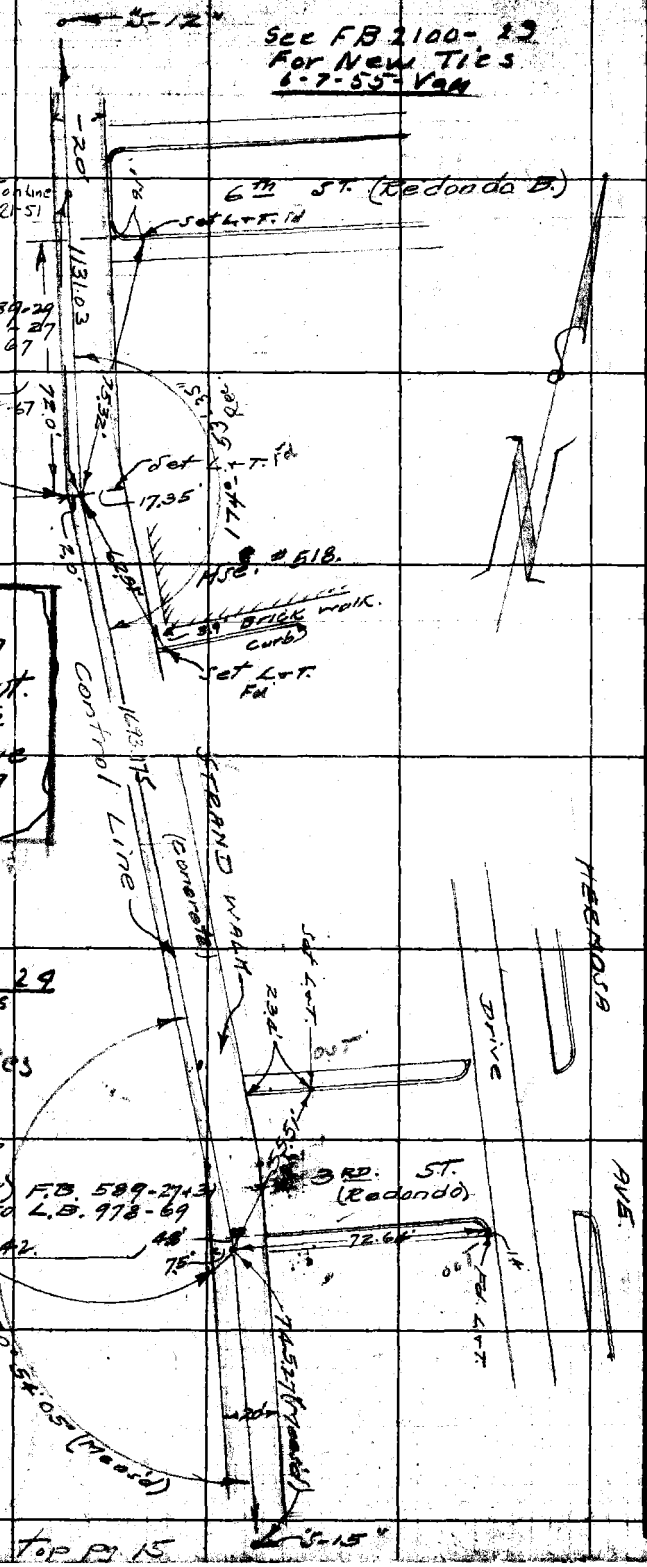
F.B. 930 Pg. 14

S 13
Note See
FB 1884/121
for replace 177 c/n T
& New Ties set Set L&T on line
2-24-53 Snyder W.S.C 2-21-51
New Ties F.B. 2100-23
"S-13" (Old pt. "B") F.B. 589-29
" " 27
Also L.B. 978-67
Fd. L+T.
11-19-42
264+96.165 per L.B. 978-67
Note"
sidewalk washed out from S-13
South W.S.C
75.32' @ 68° = Same
17.35' @ " = "
62.50' @ " = "

Note: The points between S13 and S19 have been washed out. For an approximate retracement of the line between S13 and S19 See Pages 61 to 63

See FB 2100-29
For New Ties
6-7-55 Van
New Point + ties
See F.B. 1884/121
? OUT SEE FB 930-63
"S-14" (Old pt. "C") F.B. 589-27+31
also L.B. 978-69
Fd. L+T.
11-19-42
281+89.34 per
L.B. 978-69

72.64' @ 68° = Same
55.51' @ " = "



To top pg 15

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

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

Survey of *Beach Control Recovery*
W. O. ... Tape No. ...
Surveyed by *L. Moore*
Notes ... Date *11-23-42*
Indexed *A. C. Johnson* *12-22-42*

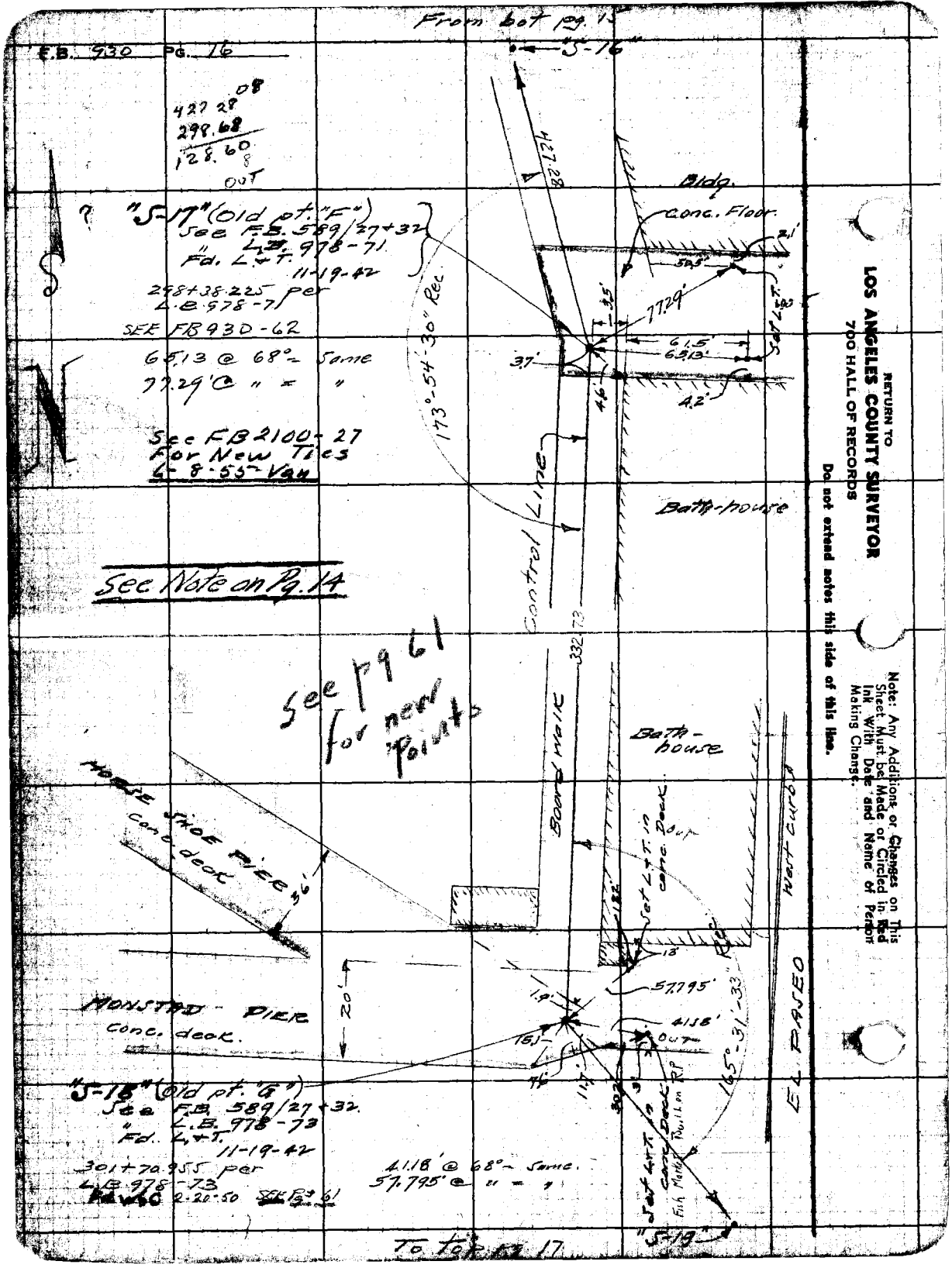
F.B. *930* PG. *15*

See FB2100-26 For New Ties 6-7-55 Van

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS


From bot pg. 15
F.B. 930 PG. 16
"S-16"
427.28
298.68
128.60
OUT
"S-17" (Old pt. "F")
See F.B. 589/27+32
" L.B. 978-71
Fd. L+T.
11-19-42
298+38.225 per
L.B. 978-71
SEE FB 930-62
65.13 @ 68° = Same
77.29' @ " = "
See FB 2100-27
For New Ties
6-8-55 Van
See Note on Pg. 14
See pg 61
for new Points
Bldg.
Conc. Floor
2.1'
50.5'
77.29'
3.5'
61.5'
65.13'
3.7'
4.6'
4.2'
Set L+T.
173°-54'-30" Rec.
Control Line
Bath-house
332.73
Board Walk
Bath-house
HORSE SHOE PIER
Conc. deck
36'
Set L+T. in Conc. Deck
Out
West Curb
13'
57.795'
1.9'
41.18'
OUT
16.1'
20'
MONSTAD - PIER
Conc. deck.
165°-31'-33" Rec.
EL PASEO
"S-18" (Old pt. "G")
See F.B. 589/27+32
" L.B. 978-73
Fd. L+T.
11-19-42
301+70.955 per
L.B. 978-73
2-20-50 SEE Pg 61
41.18' @ 68° = Same
57.795' @ " = "
Set L+T. in Conc. Deck
Fish Market Pavilion RP
"S-19"
To top pg 17
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Beach Control Recovery
Map No.	W. O. [illegible] Tape No. 077 St'd [illegible]
Office Work	Surveyed by L. Moore
Checked	Notes G.W.K. Date 11-13-42
Date	Indexed A. C. Johnson 12-22-42

F.B. [illegible] PG. 17

"S-19" (old pt "H")
Fd L+T in conc pad over 4x4 post + nail at P.I. of curve.
F.B. 589-33
L.B. 978-73
305+72.665 per
Replaced with std. C.S. Mon - br. tablet marked "COUNTY SURVEYOR - R.E. 2177" and stamped "S-19". Mon set flush.

Fd W.S.C. 2-20-51

SEE FB 930-61

See FB 2100-29 For New Ties

"S-20" (old pt "I")
Fd. L+T. flush in conc. pad over 4x4 post + nail at P.I. of curve.
See L.B. 978-75 also F.B. 589-33, 35.
Replaced 4x4 post with std. C.S. Mon, br. tablet marked: "COUNTY SURVEYOR - R.E. 2177", and stamped: "S-20". Mon. set flush. 11-13-42
312+01.575 per
L.B. 978-75

Fd W.S.C. 2-20-51

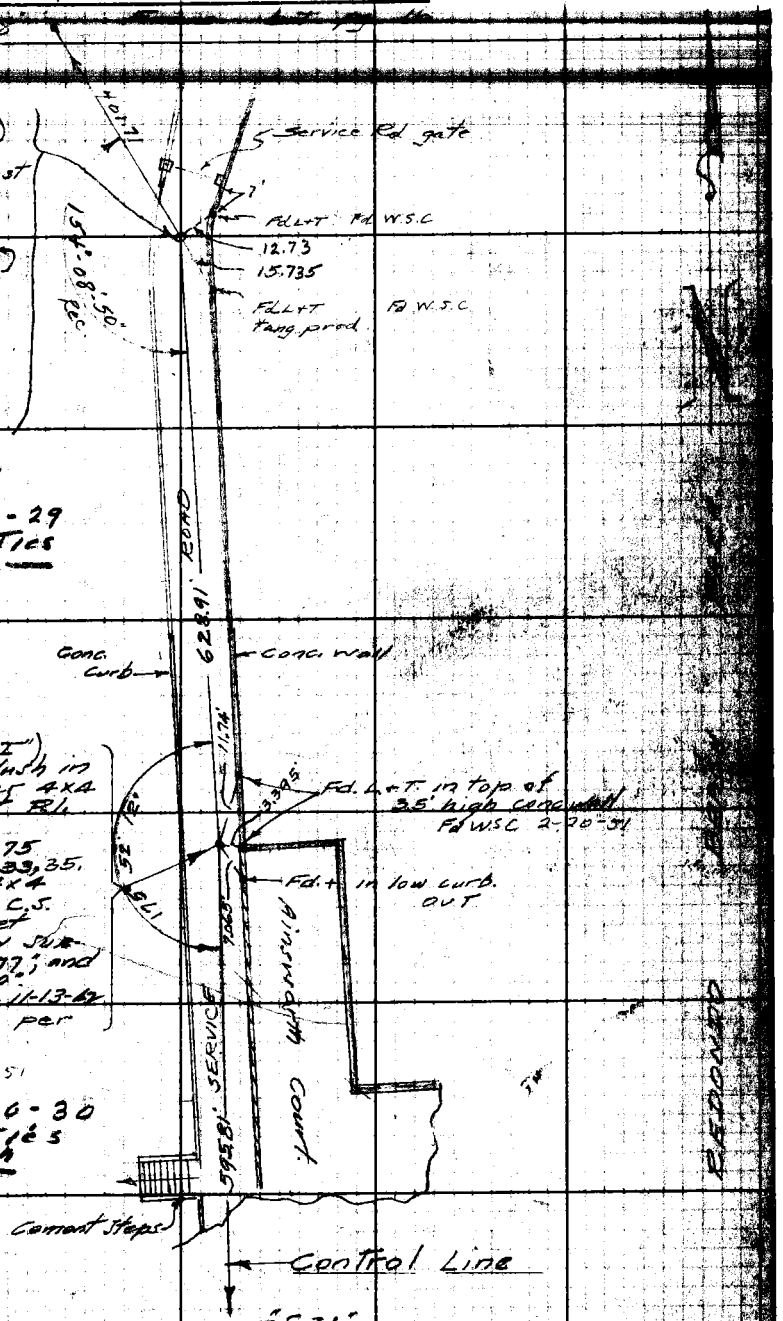
See FB 2100-30 For New Ties 6-8-55 Veh

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

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

FORM 247 5M 11-41



Cont'd from top of pg. 20

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

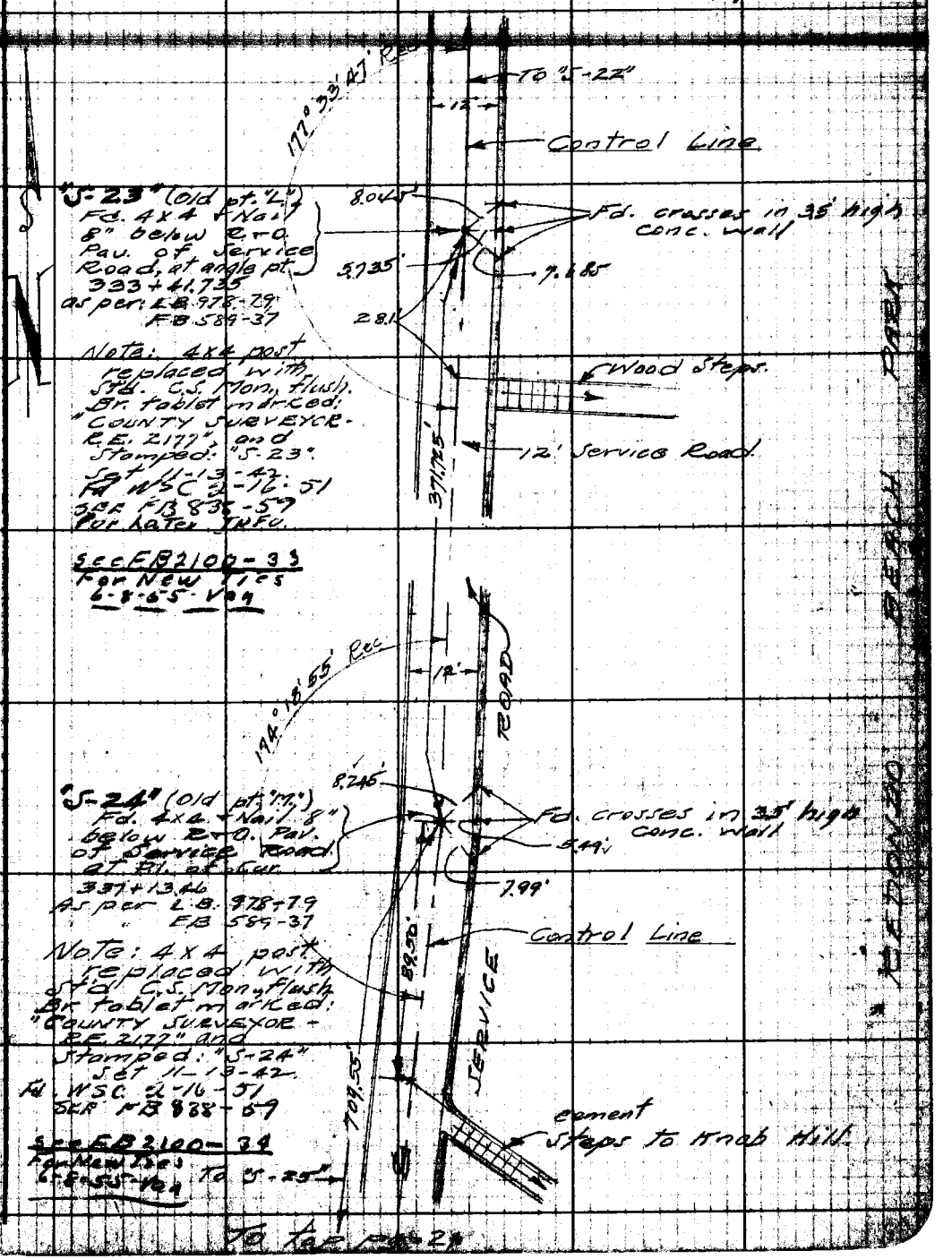
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

-33-37

FB 5312 Pg 18

Notes Ck'd by	Survey of Beach Control Recovery F.B. 93 PG. 19
Map No.	W. O. 4908 Tape No. 077 St'd 68 °F
Office Work	Surveyed by L. Moore
Checked	Notes G.W.K. Date 11-12-42
Date	Indexed 12-22-42



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

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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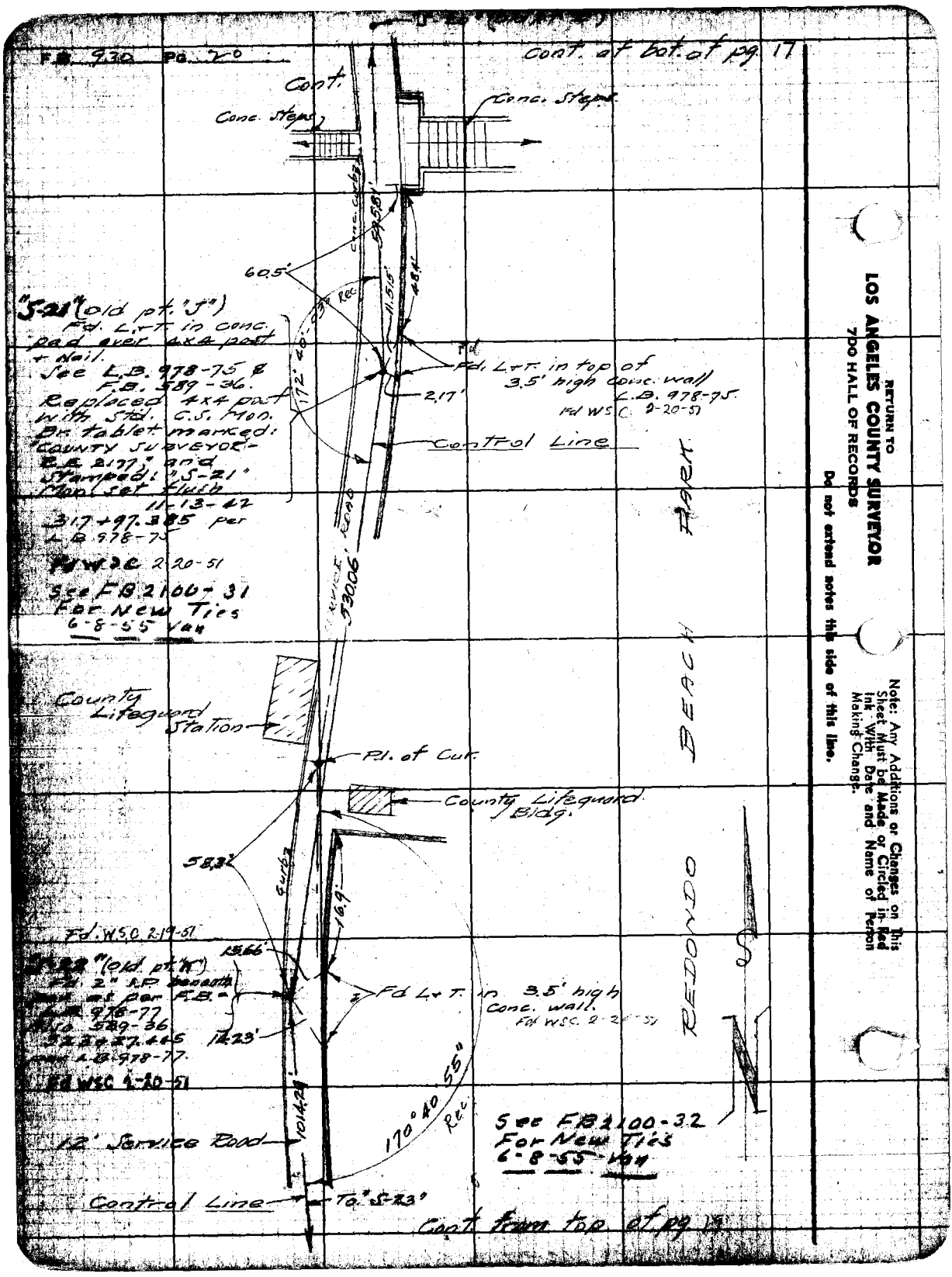
FORM 247 5M 11-41



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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Note: Ck'd by
Map No.
Office Work
Checked
Date

Survey of Beach Control Recovery
W. O. Tape No. 227 Std. 62°F
Surveyed by L. Moore
Notes
Date 11-22-42
Indexed

F.B. PG.

For New Ties
See F.B. 838-60

J-25 (old pt. "N") - F.B. 589-38
Orig. monument destroyed.
Reset with 4x4 post + Boat spk. with R.M. ties, flush.
11-13-42.
344 + 23.0 | - L = 978-81

Reset with ties with 4" x 6" post, C.SPK. + W.
G.W.K. 5-1-46.

NOTE:- GRADING MACHINERY DESTROYED THIS POINT.
SEE F.B. 838-60 FOR REPLACEMENT B.C.M.N.
TIES F.B. 589/38
G.W.K. - 11-12-47

For C.S.M.D. CHECK By W.S.C. 39495'
2-16-51 SEE FB 838-60
FOR TIES

Note: For this R.M. out 5-1-46.
Set 4x6 post, N+T, up 12" on same line produced.

89.87' @ 16°01'30" @ 68" = 86.35
90.15' @ 16°36'30" @ " = 86.39
G.W.K. 5-1-46

42.63 @ 7°35' T.68° = 44.92
39.98' @ 9°01' " = 39.98

Set 4x4 post + Boat spk. on prod. of line, up 12"

no evid of 4" dr 5-25-56
Fd. R.M. (std C.S. Mon.) "County Surveyor - R.E. 1/2" as per F.B. 589-38 L = 978-81

Set 4x4 post + Boat spk. on prod. of line, up 12"

Turn 90° 10' Rt.

For New Ties
See FB 838/46
NEW TIES IN F.B. 2100-36

54.88' @ 6.8° = same
27.45 @ " = "

Fd. R.M. #2 Rec. as offset 5-25".
Could not find
Reset point with 3" x 6" post, S.P.K. + W.
G.W.K. 5-2-46

11-12-47 C.V.C. - WAS DESTROYED BY GRADING. SEE F.B. 838-62 FOR C.S. MON.

J-26 (old pt. "O") - F.B. 589-38
Orig. marker destroyed. Reestablished 1m from std. "J-26" using record ∠ and distance of F.B. 589-38 + L = 978-81
Set 3x3 Flush

R.M. #1 - Set std. C.S. mon. dm. marked "County Surveyor - R.E. 1/2" stamped: J-26, R.M. #1"
Set 4x4" marker post over mon. 11-25-56

Could not find - G.W.K. 5-2-46

Fd. Mon. 5-2-46
Mon is out 3-25-58

Set std. C.S. mon. 16" dn. same as R.M. #1 except stamped: J-26, R.M. #2
Set wood marker post over mon. 11-25-56

Set C.S. Mon. J-26 Reset By W.S.C. 2-15-51 SEE FB 838-62 FOR TIES
See F.B. 2100-36 For New Ties 5-8-51 - W.S.C.

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Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
7100 HALL OF RECORDS
320-4030

COUNTY SURVEYOR'S FORM 1541

From bot pg 21

F.B. 930 Pg 22

Tape # Std @ 84°

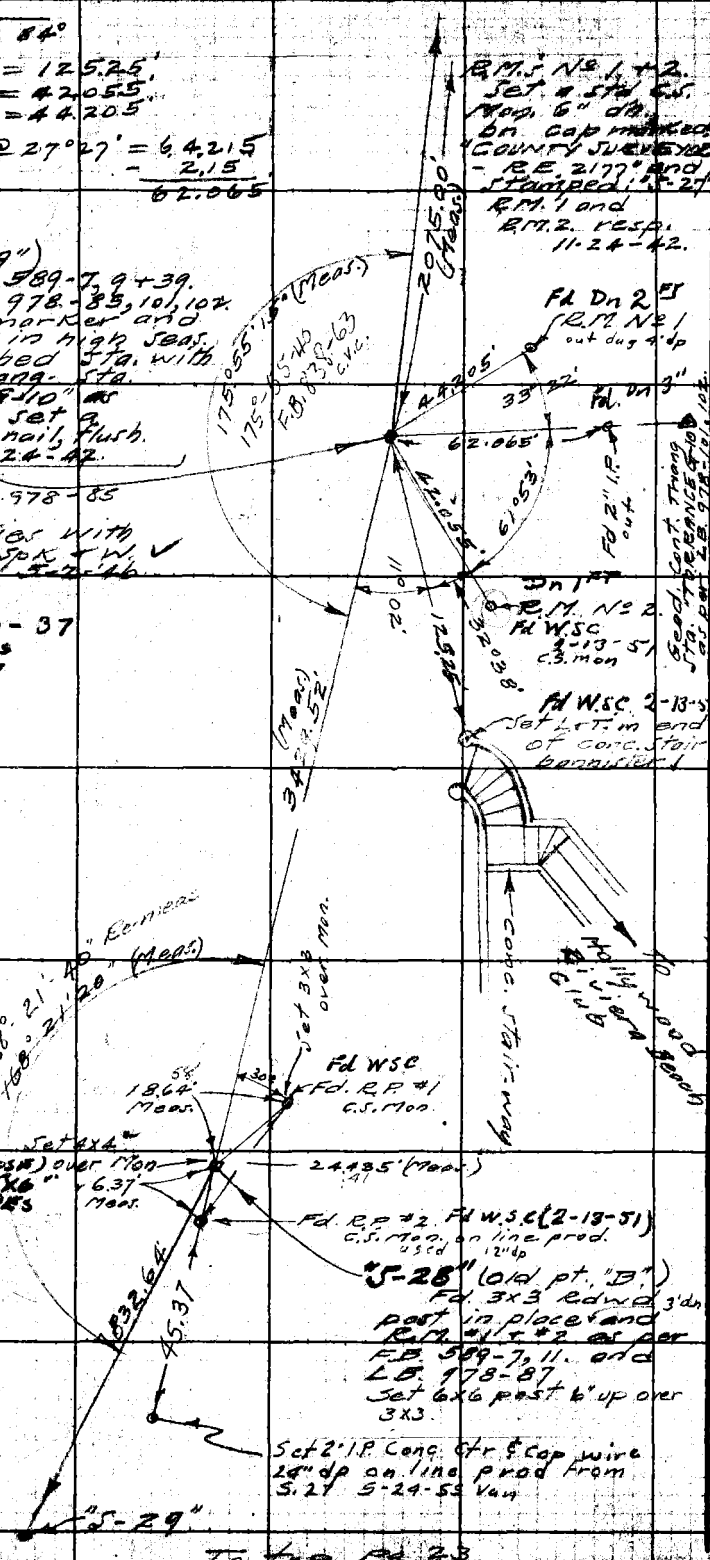
125.27' @ 60° = 125.25'
42.06' @ " = 42.055'
44.21' @ " = 44.205'
72.375' @ " , @ 27°27' = 64.215
− 2.15
62.065

Fd.
"S-27" (old pt. "A")
as per F.B. 589-7, 9+39.
L.B. 978-85, 101, 102.
Orig. Sta. marker and R.M.'s lost in high seas. Reestablished Sta. with ties to triang. Sta. "Torrance G-10" as shown and set a 4x4 post + nail, flush. dn 18" 11-24-42.

388+19.02 per L.B. 978-85

Reset with ties with 6"x6" post, b. spk + W. ✓ GWK 5-2-46

See FB 2100-37 For New Ties 6-8-55-Van



See FB 2100-38 For New Ties 6-8-55-Van

To top pg 23

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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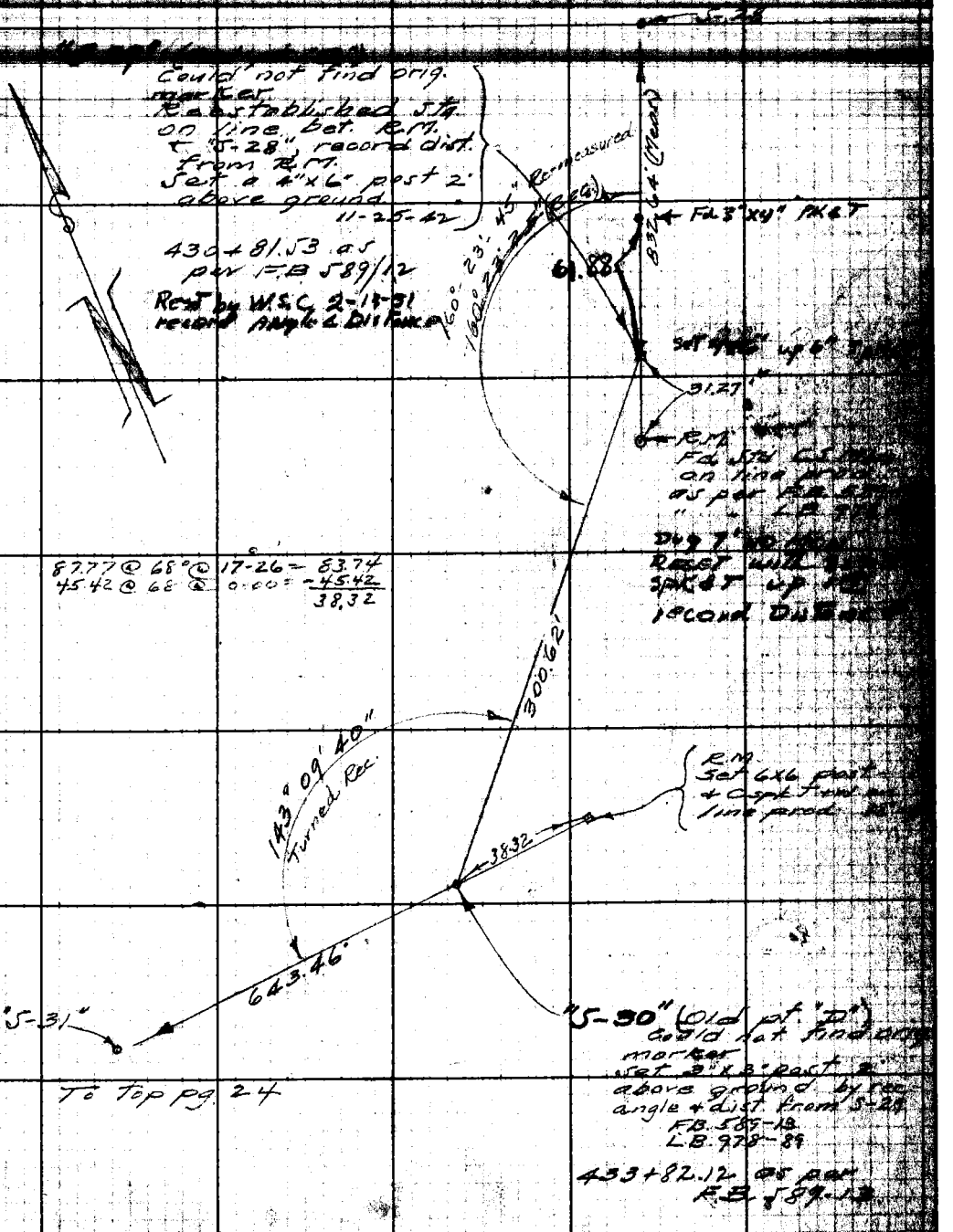
Notes Ck'd by	Survey of Beach Control Recovery
Map No.	W. O. [illegible] Tape No. [illegible] Std. [illegible] °F
Office Work	Surveyed by L. Moore
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson 12-22-42

F.B. [illegible] PG. 23

From bot. pg. 22



To Top pg. 24

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

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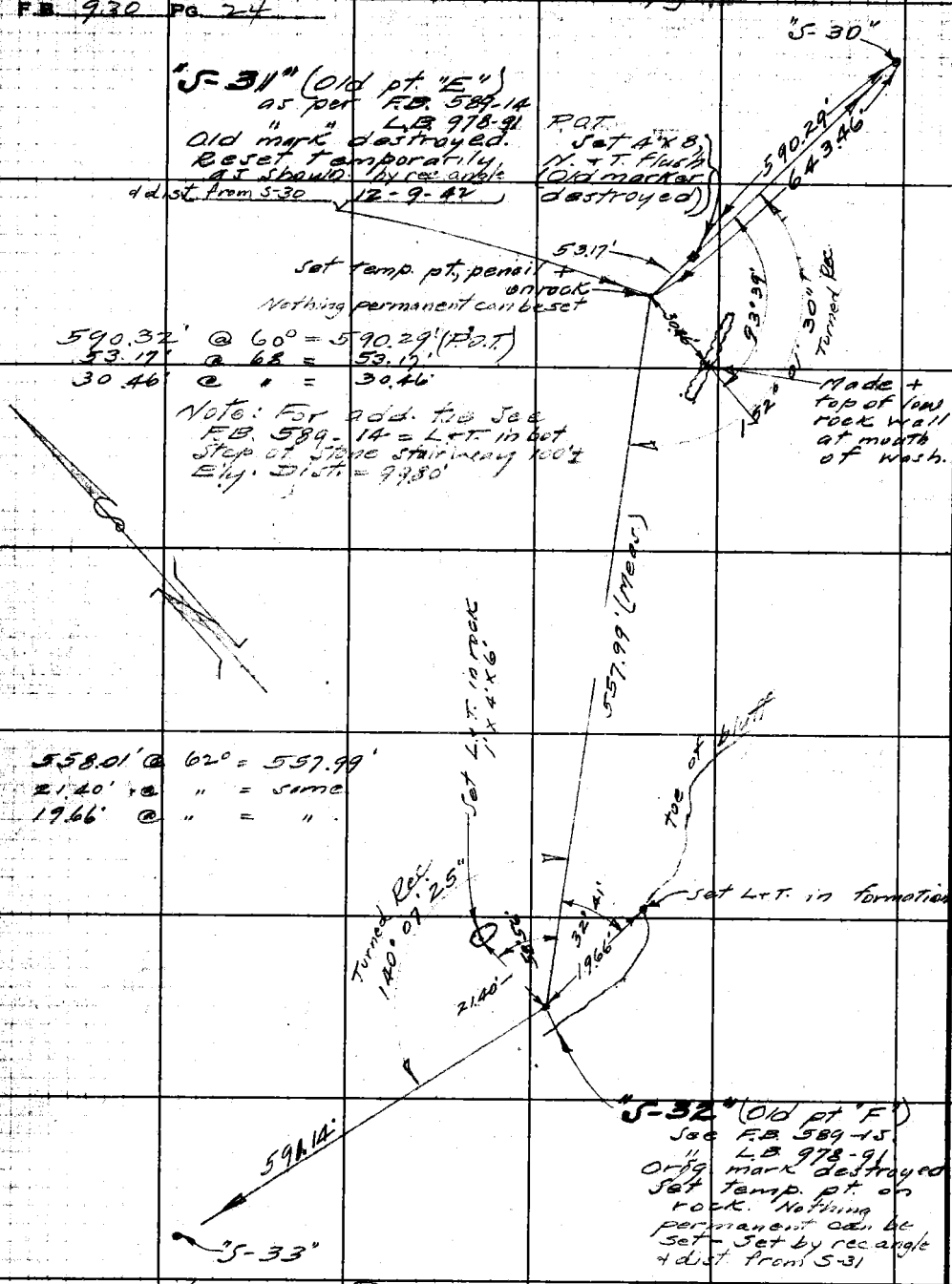
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 847 5M 11-41

F.B. 930 PG. 24

From bot. pg. 23



To top pg. 25

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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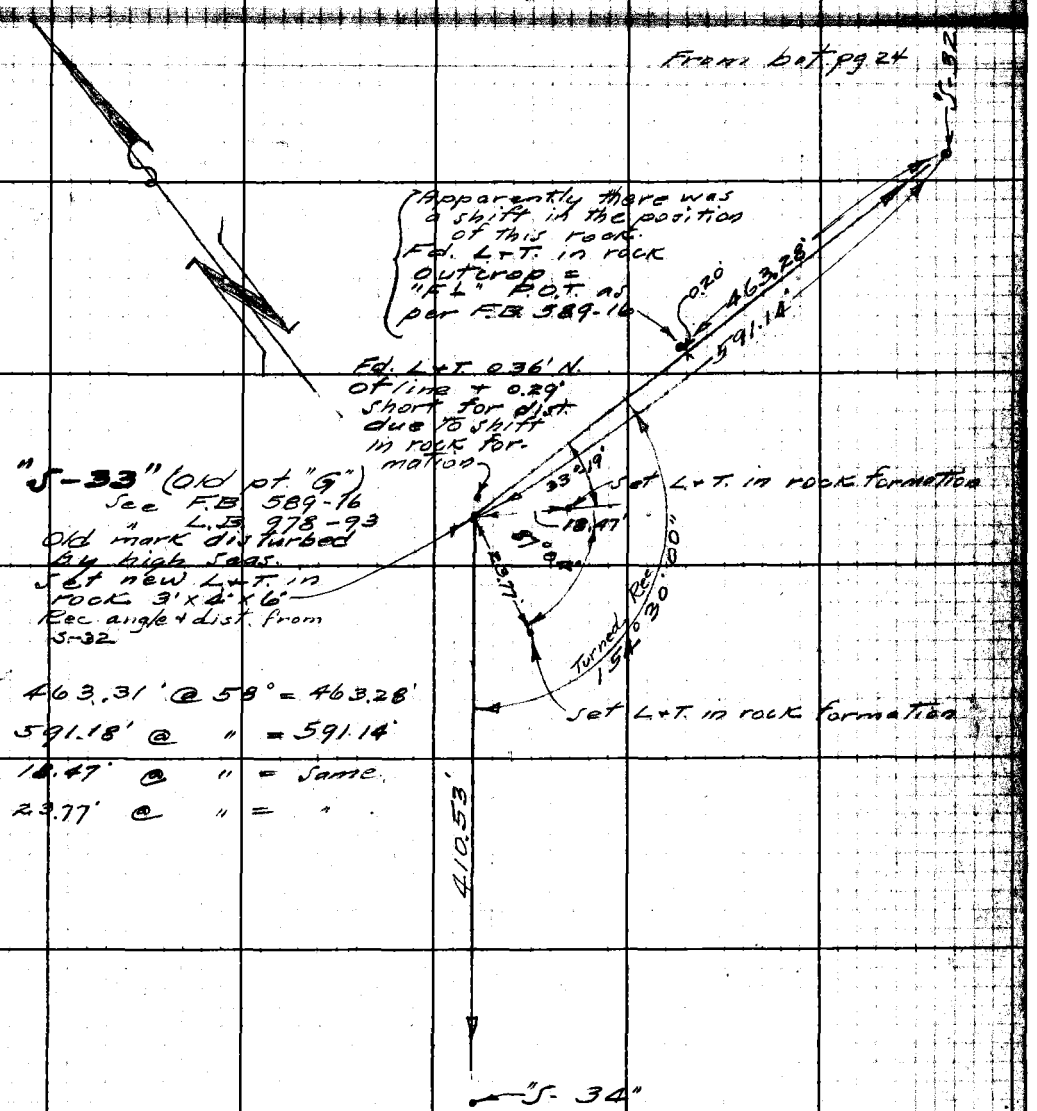
Notes Ck'd by	Survey of Beach Control Recovery	F.B. [illegible] PG. [illegible]
Map No.	W. O. [illegible] Tape No. 077 St'd [illegible] °F	
Office Work	Surveyed by L. Moore	
Checked	Notes [illegible] Date 12-[illegible]-42	
Date	Indexed [illegible] 12-22-42	



463.31' @ 58° = 463.28'
591.18' @ " = 591.14'
18.47' @ " = Same.
23.77' @ " = "

To top pg. 26

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

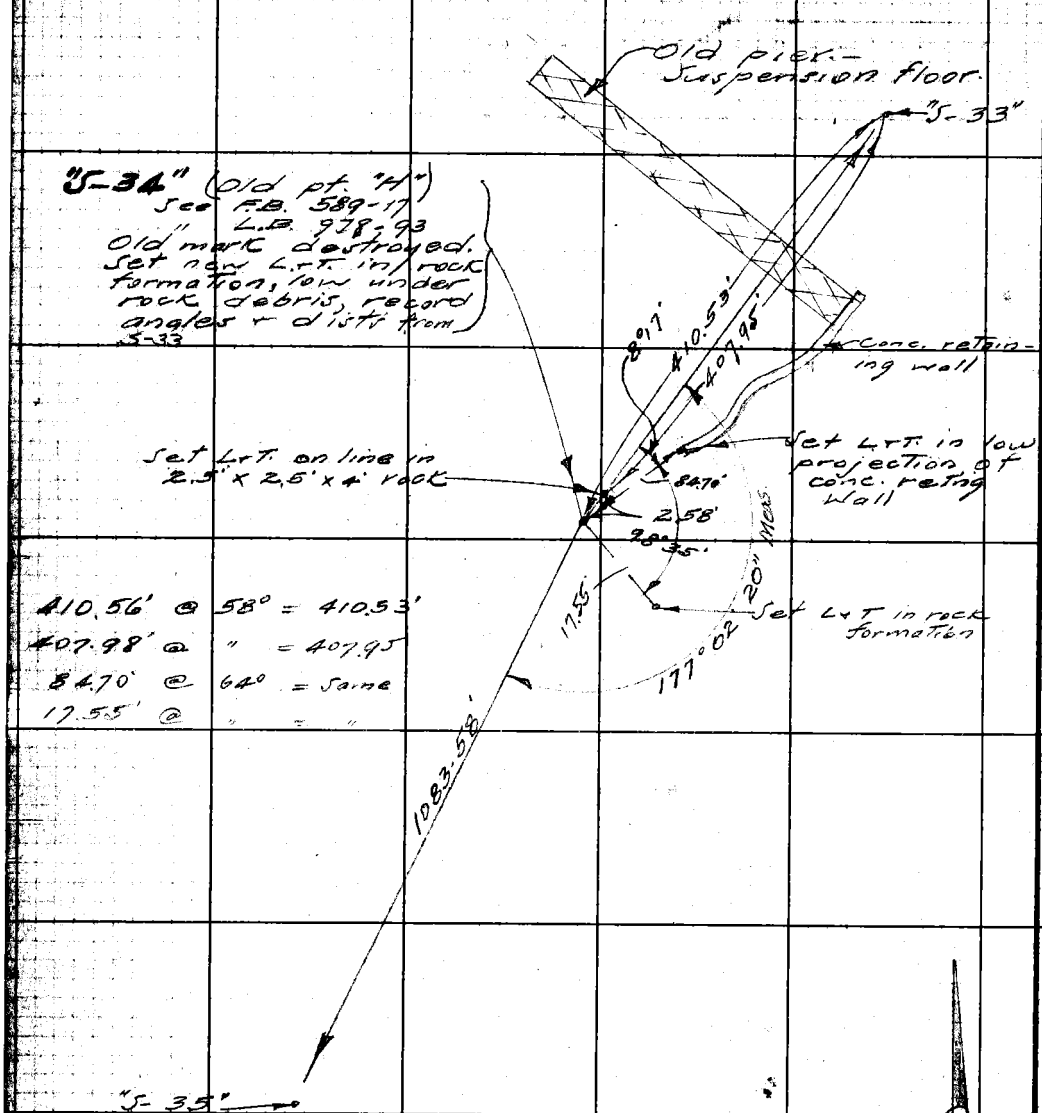
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 11-41

F.B. 930 Pg. 26

From bott. pg. 25



To top pg. 27

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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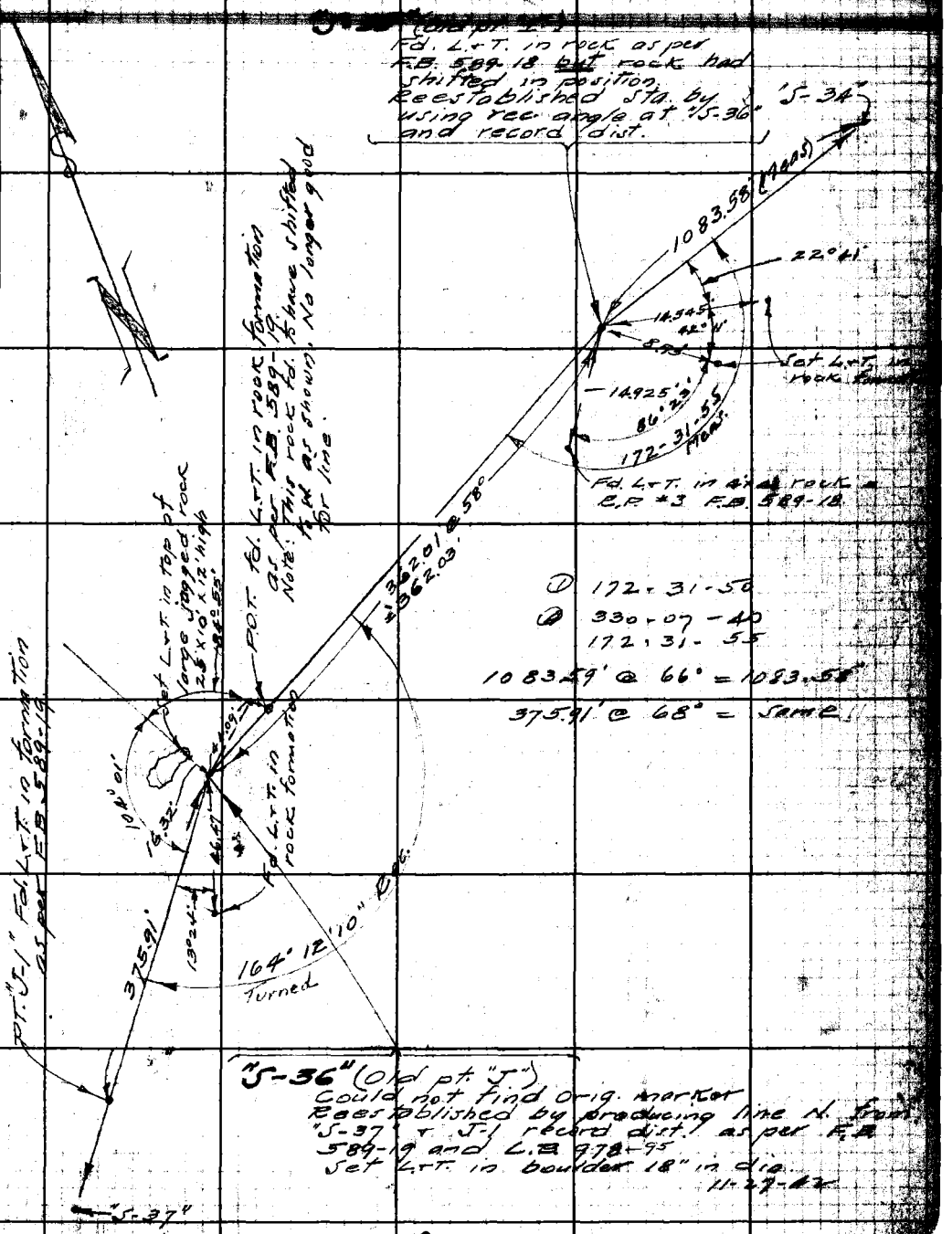
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Beach Control Recovery	F.B. [illegible] PG. [illegible]
Map No.	W. O. [illegible] Tape No. 077 St'd. 68 °F	
Office Work	Surveyed by L. Moore	
Checked	Notes G.W.K. Date 11-27-42	
Date	Indexed 12-22-42	

Fig. 26



To top pg. 28

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
FORM 247 SM 11-41

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

From 667/pg 27

6-1-068

94.13 = 7°19' @ 94.90' } Tape #058 - Std @ 84°
2-10.43 = 7°32' @ 66.0 @ 212.28' }
585.74 = 66.0 @ 585°74' } Tape #077 - Std @ 68°

F.B. 430 Pg. 28

Tape #058 Std @ 84°
165.73' @ 12°02' @ 556° = 162.06' } 162.055'
165.69' @ 11°59' @ " = 162.05' }

101.90 @ 15°42' @ " = 98.08' } 98.08
101.57' @ 15°01' @ " = 98.08 }

112.01' @ 15°16' @ " = 108.04' } 108.045'
111.64' @ 14°32' @ " = 108.05' }

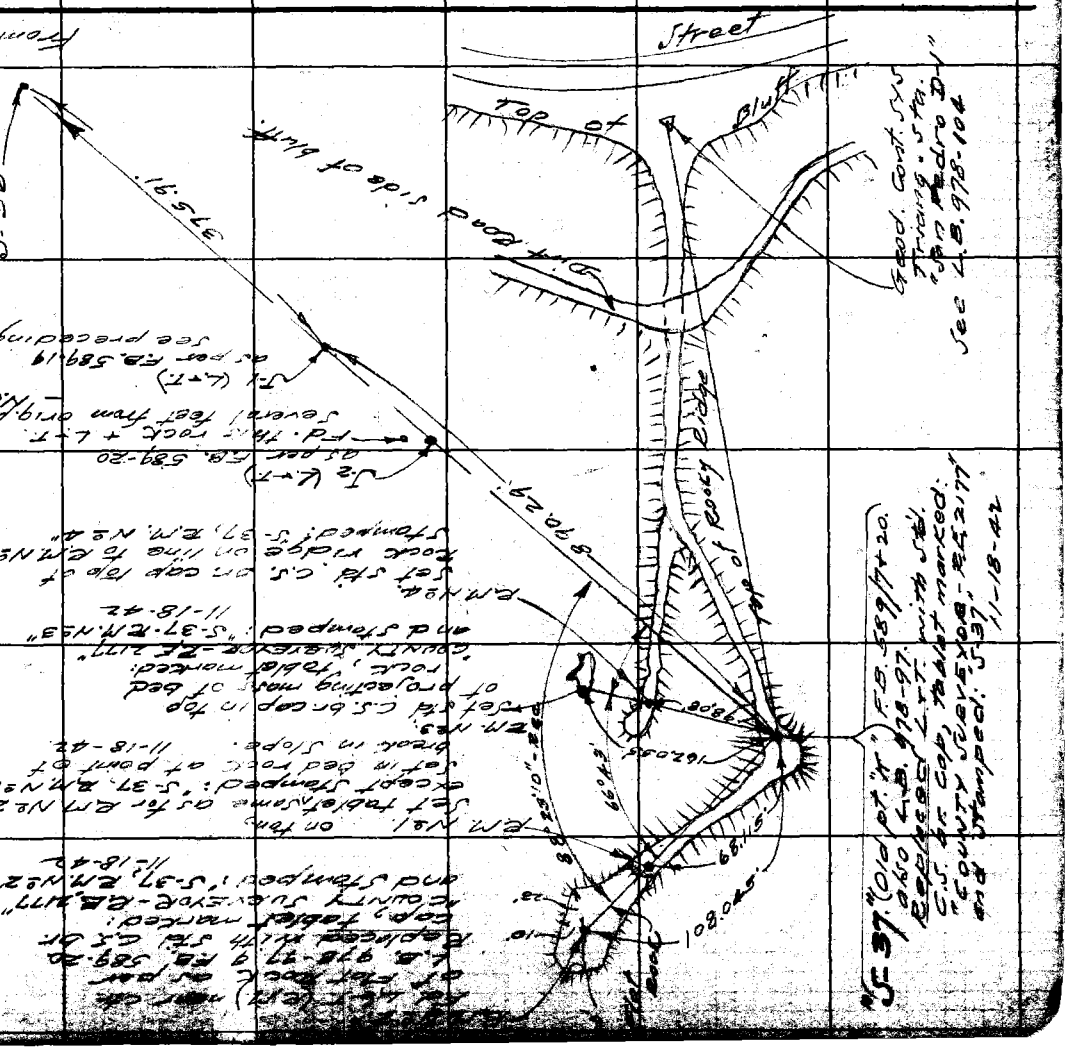
71.32' @ 17°13' @ " = 68.11' } 68.115'
71.03' @ 16°26' @ " = 68.12' }

Set Tabor Sunset as for R.M. No 2.
except stamped: "S-37. R.M. No 2."
left in ded rock at point of
break in slope. 11-18-42

R.M. No 2. on the
Top of projecting mass of bed
rock, 7 blaze marked:
"County Survey-R.E. 2177"
and stamped: "S-37. R.M. No 2"
11-18-42

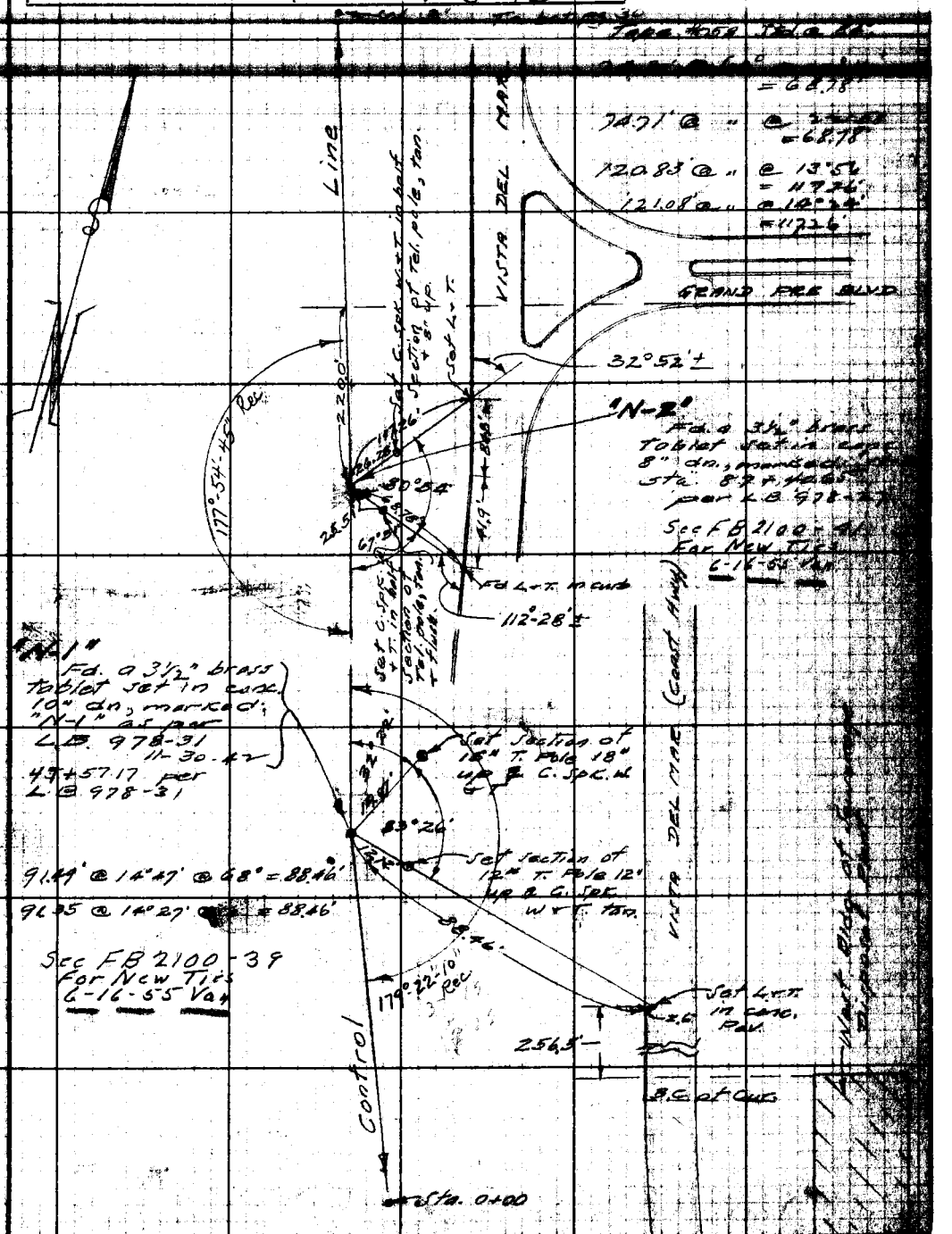
R.M. No 3.
Set std. C.S. on cap for 4"
Rock ridge on line to R.M. No 2
Stamped: S-37, R.M. No 3"
11-18-42

Re-set (left) near cor.
of Parcel 3 on C.S. Dr.
C.S. 978-79 & R.S. 289-28
Replaced with std C.S.
Copy Tabor marked:
"County Survey-R.E. 2177"
and Stamped: S-37, R.M. No 2"
11-18-42



Notes Ck'd by	Survey of [illegible]
Map No.	W. O. [illegible] Tape No. 077 Std. [illegible]
Office Work	Surveyed by L. Moore
Checked	Notes G.W.K. Date 11-30-[illegible]
Date	Indexed 1-6-43

F.B. 930 PG. 29



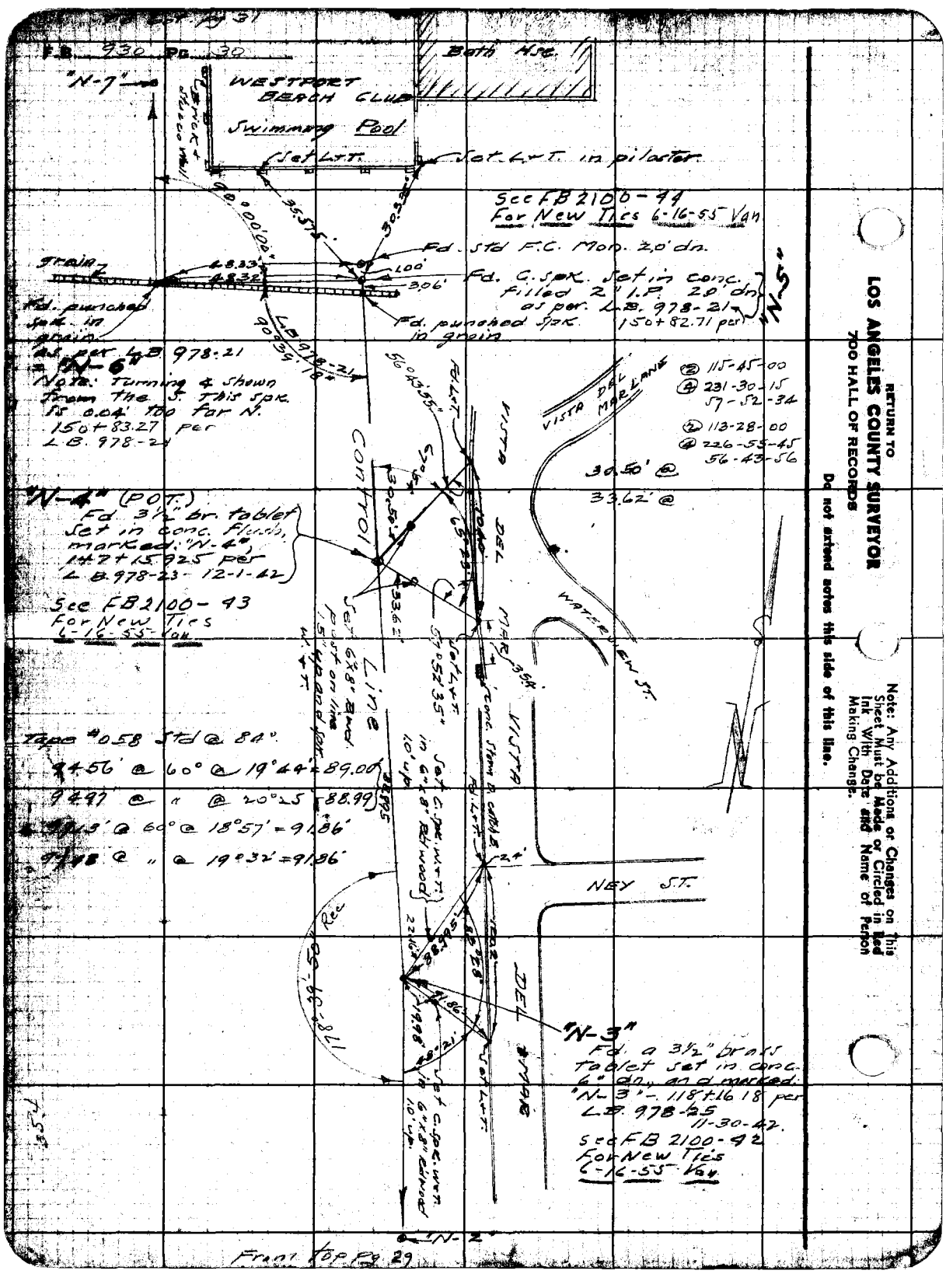
From top pg. 7

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

Do not extend notes this side of this line.

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

FORM 247 5M 11-41



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

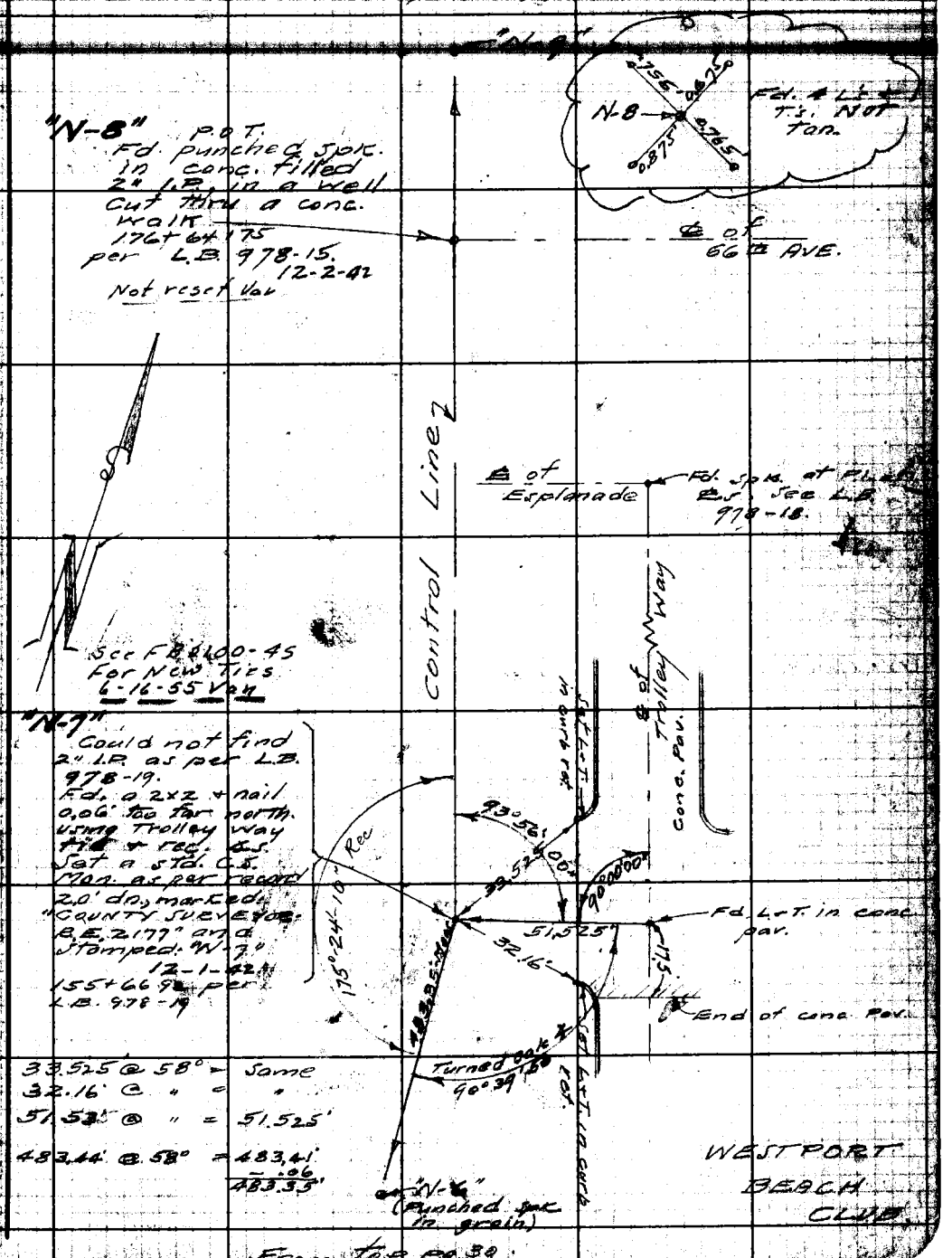
Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Beach Control Survey
Map No.	W. O. [illegible] Tape No. 277 St'd [illegible]
Office Work	Surveyed by L. Moore
Checked	Notes G.W.K. Date 12-1-42
Date	Indexed

F.B. 930 PG. 31

To Int. Pg. [illegible]



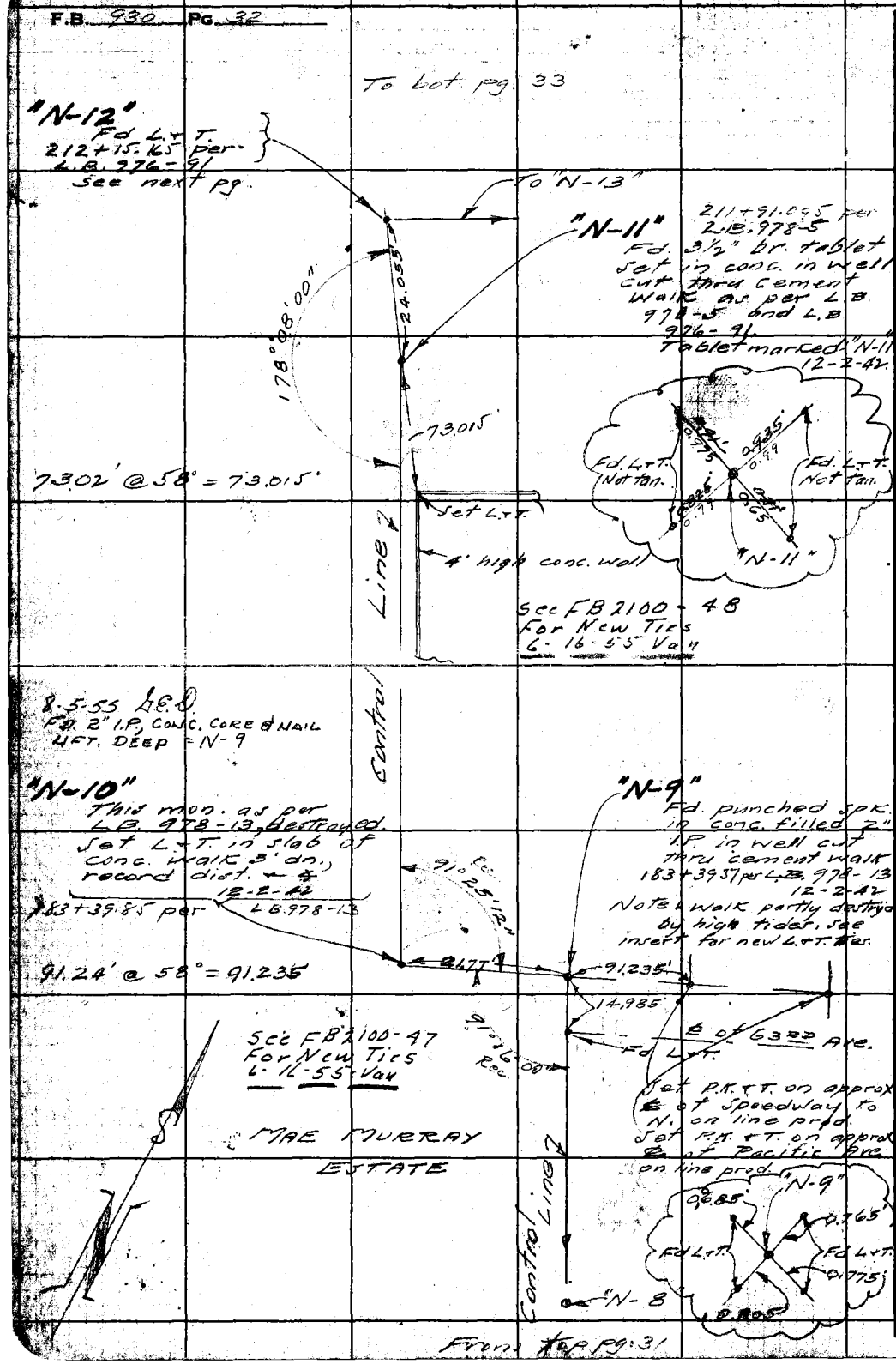
From Top Pg. 30

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

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

Do not extend notes this side of this line.

FORM 247 RM 11-41



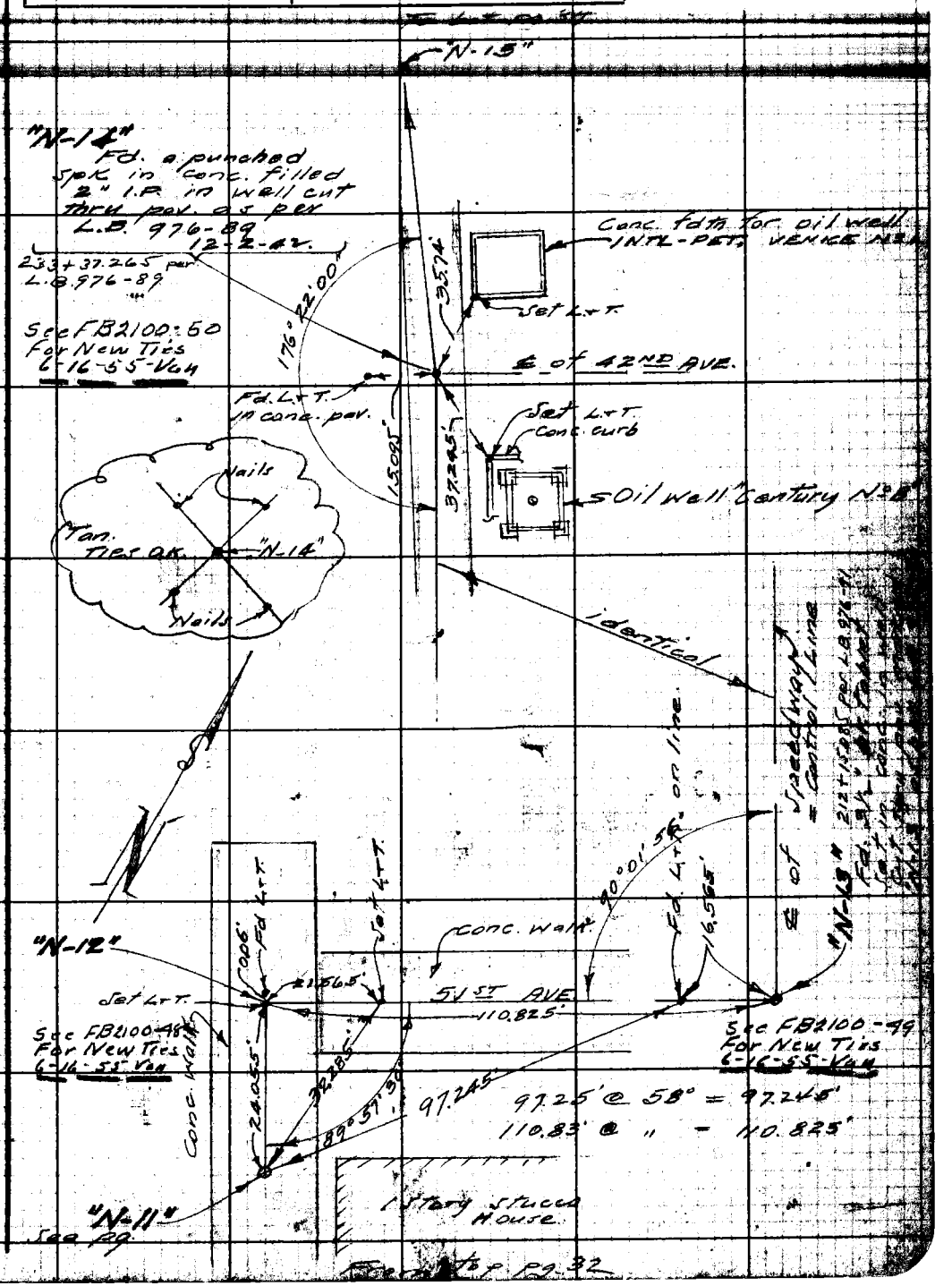
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Bonds Control Recovery
Map No.	W. O. [illegible] Tape No. 077 Std. [illegible]
Office Work	Surveyed by L. Moore
Checked	Notes [illegible] Date 12-2-42
Date	Indexed

F.B. 930 PG. 33



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

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

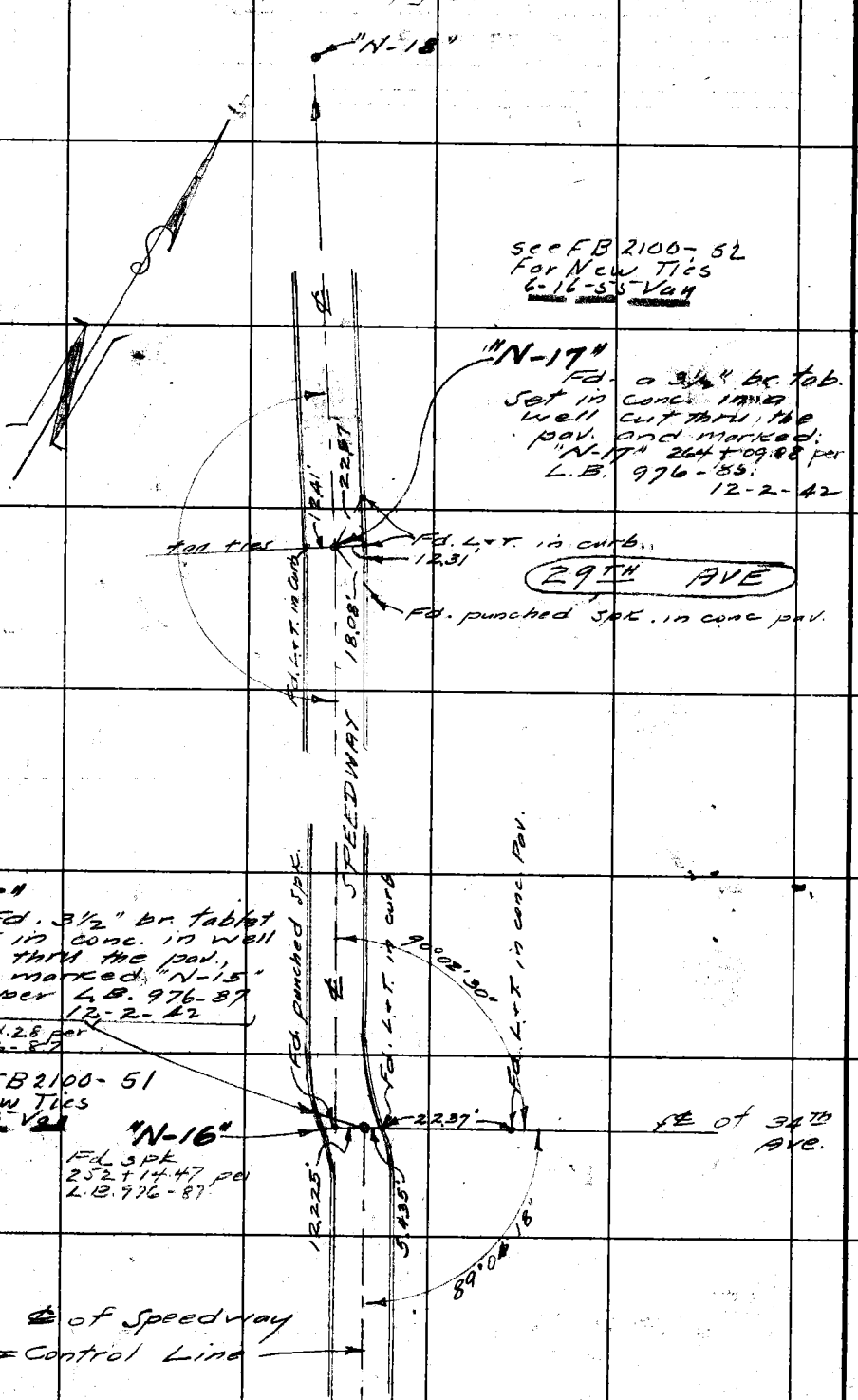
Do not extend notes this side of this line.

FORM 247 BM 11-41

From top pg. 32

F.B. 930 PG. 34

To bot pg 35



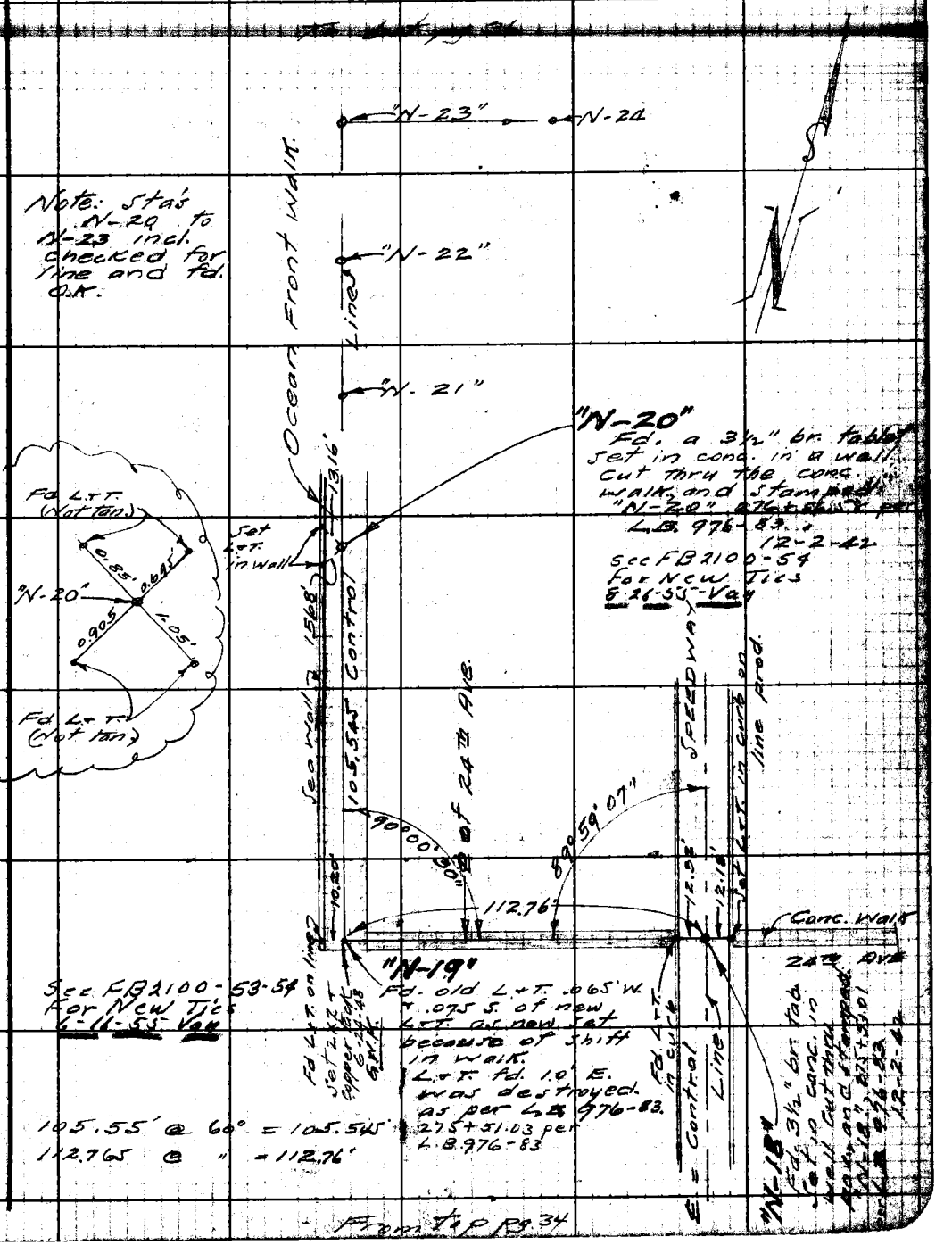
From top pg 33

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Beach Control Recovery	F.B. 930 PG. 35
Map No.	W. O. 4900 Tape No. 277 St'd 68 °F	
Office Work	Surveyed by L. Moore	
Checked	Notes GWK Date 12-2-42	
Date	Indexed A. D. [illegible]	



From Top Pg. 34

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

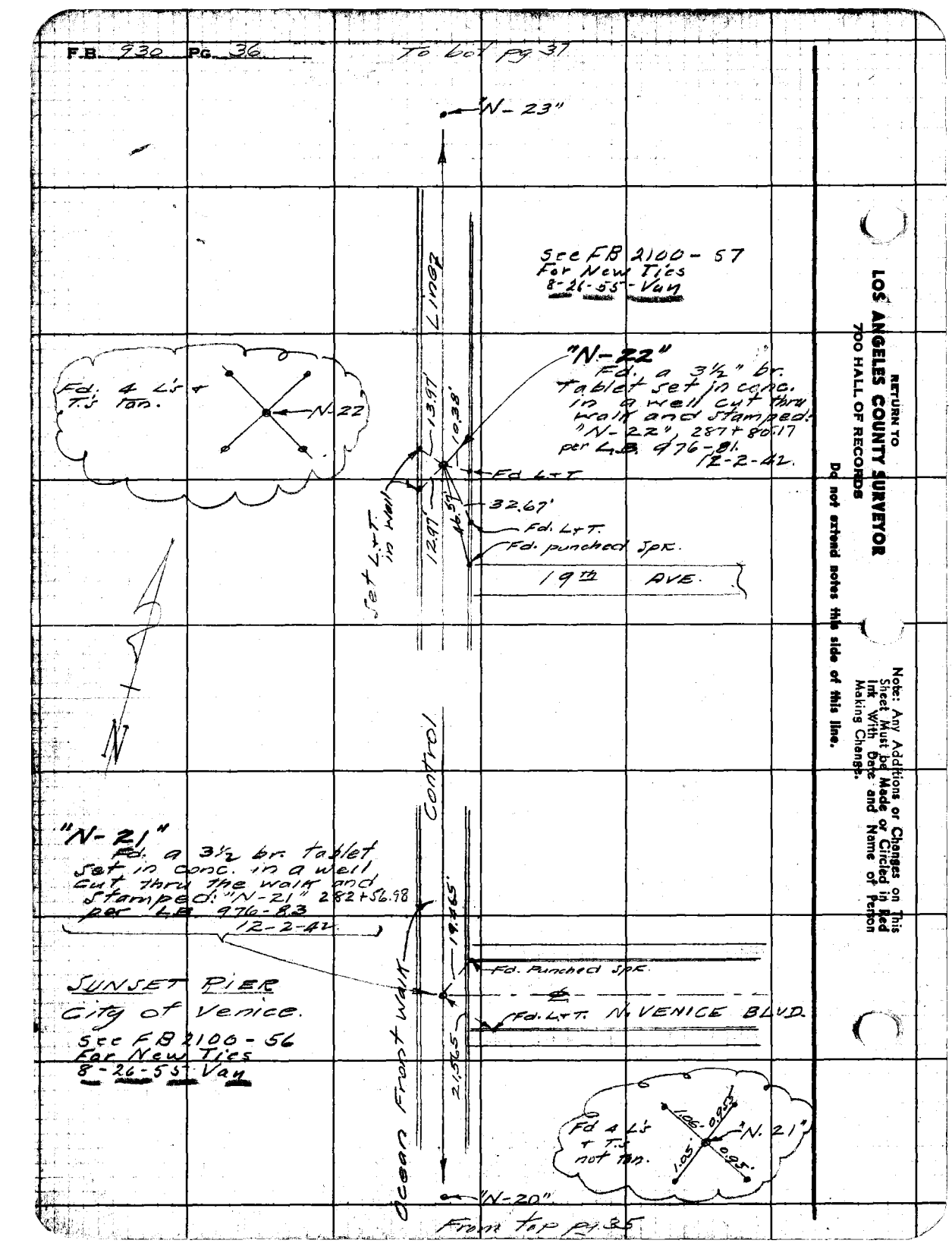
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

FORM 247 5M 11-41

F.B. 930 PG. 36

To Lot pg 37

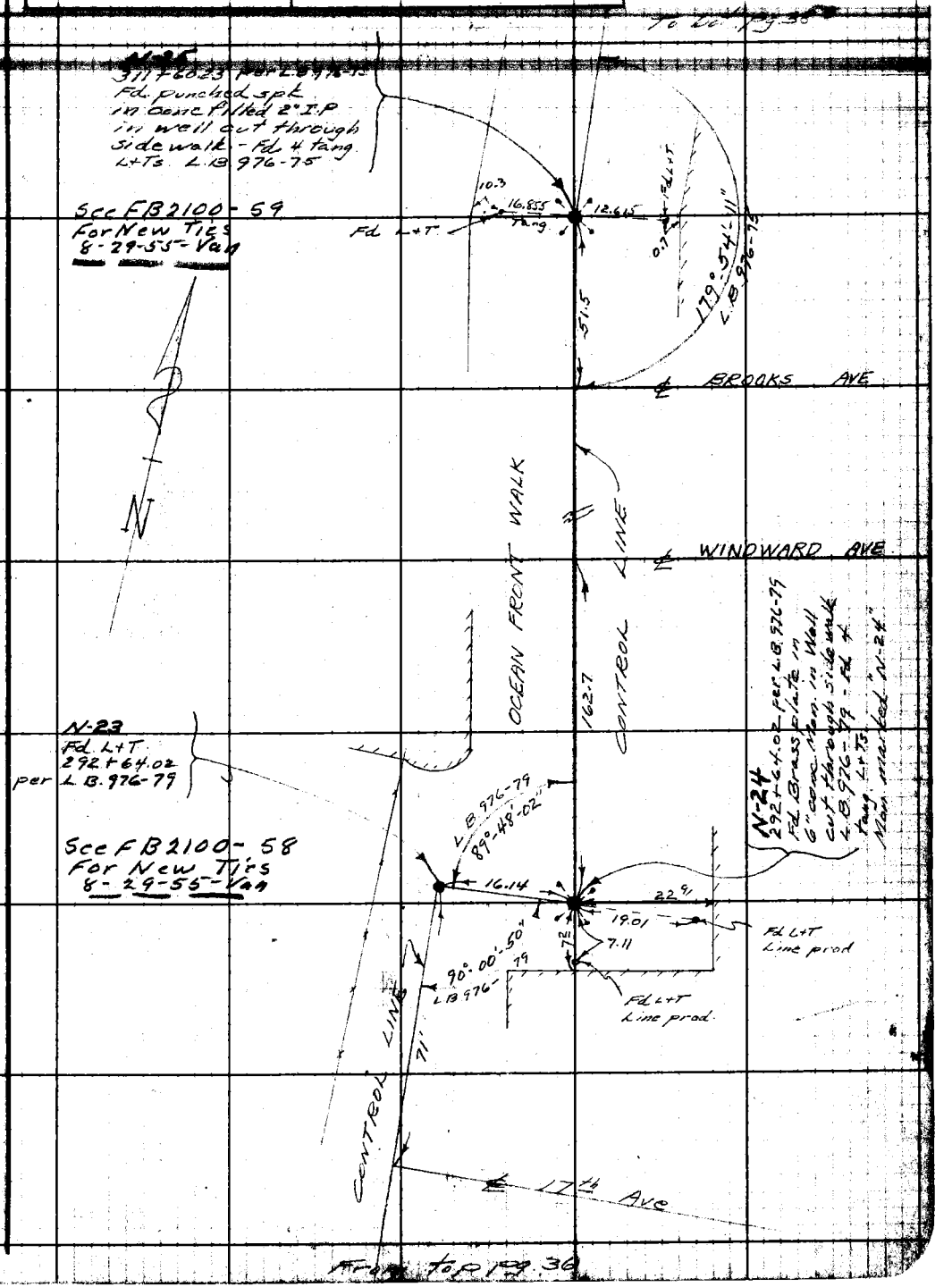


RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Beach Control Line	F.B. 930 PG. 37
Map No.	W. O. 4900 Tape No. St'd °F	
Office Work	Surveyed by L. D. Moore	
Checked	Notes Moore Date 12-21-42	
Date	Indexed Johnson	



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

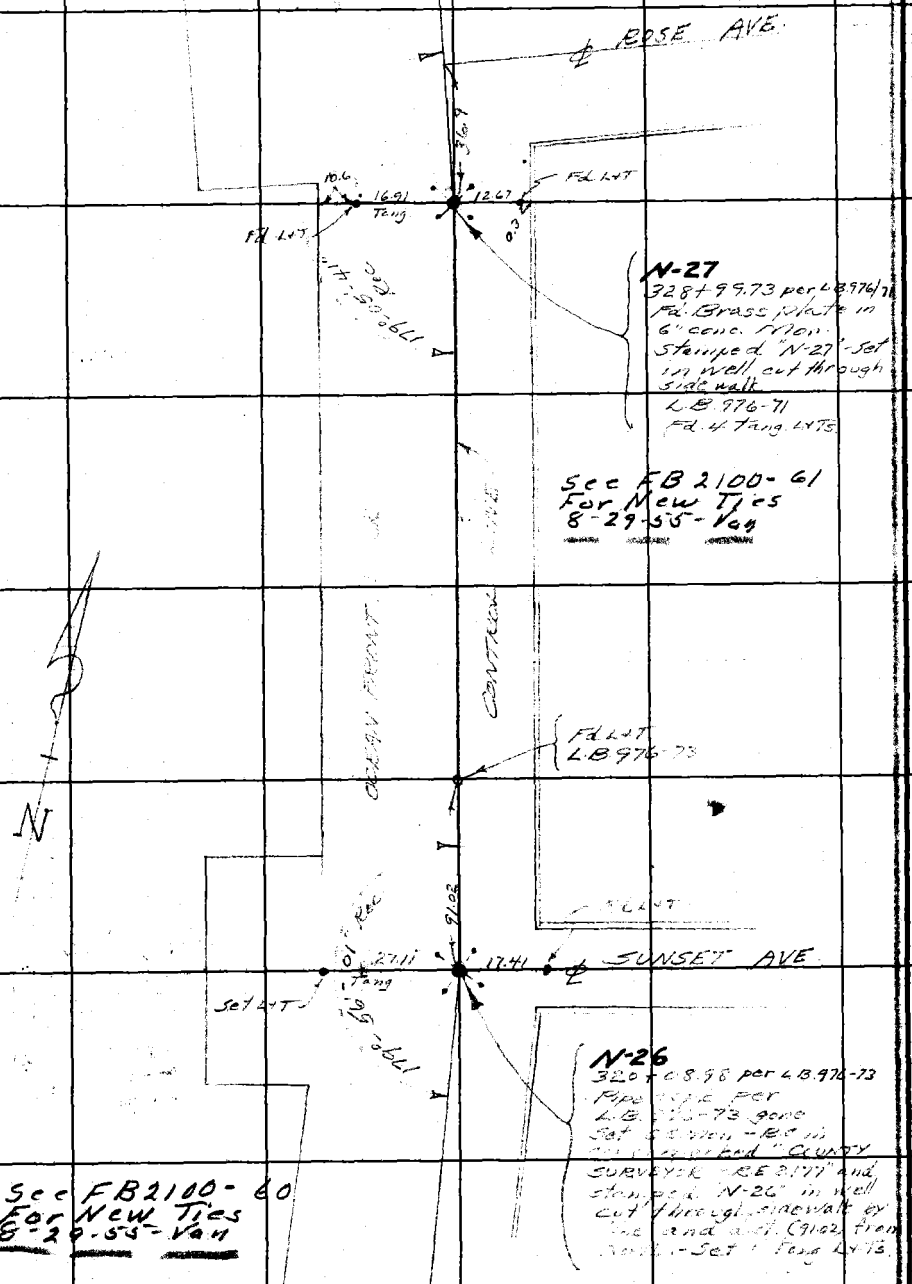
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 11-41

F.B. 4130 Pg. 38

To bot Pg 39



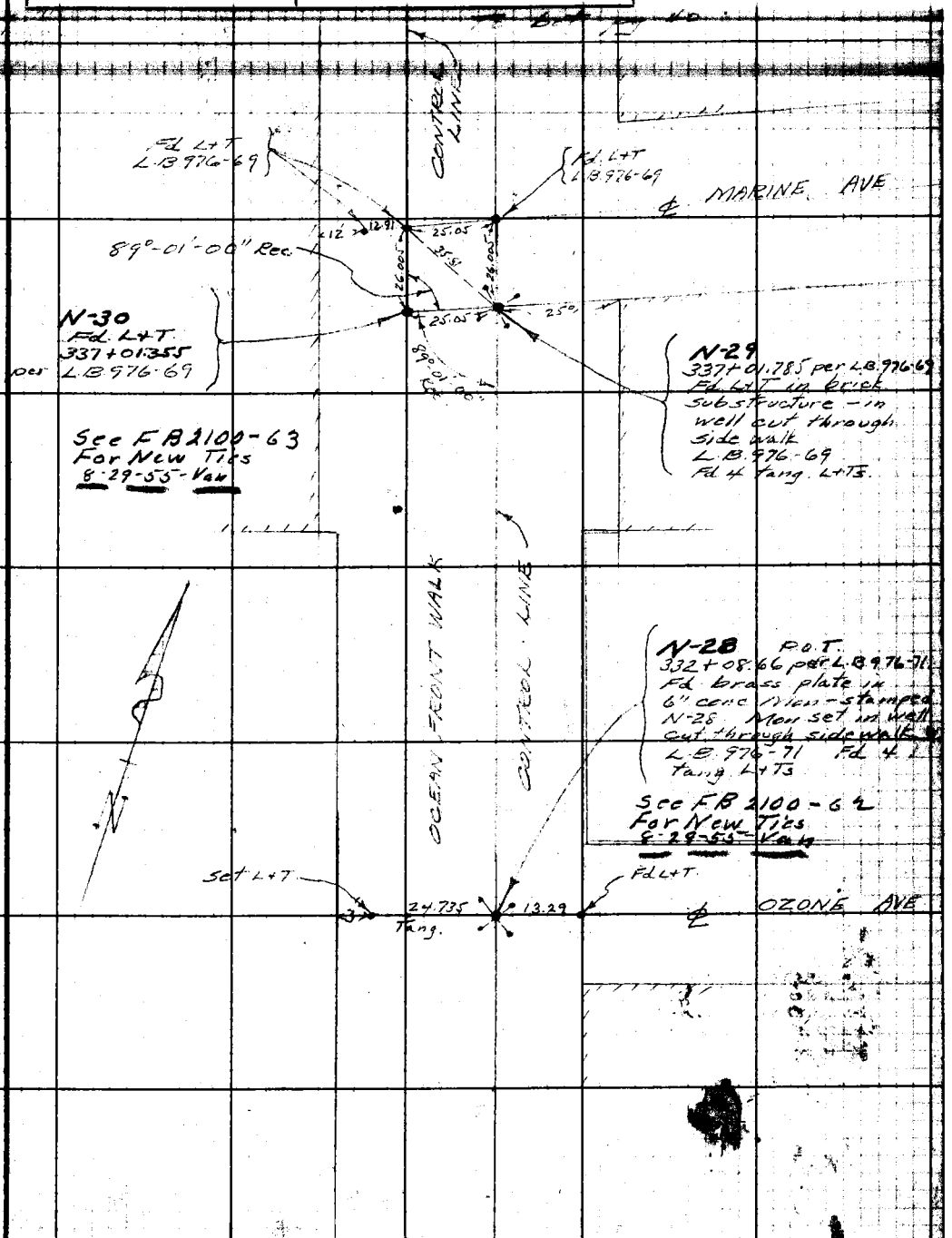
From Top Pg 37

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not spread notes this side of this line.

Note: Any Additions or Changes on this Sheet Must be Made or Confirmed in Red Ink with Date and Title of Person Making Changes.

Notes Ck'd by	Survey of [illegible]	F.B. [illegible] PG.
Map No.	W. O. 4900 Tape No. 077 St'd 68 °F	
Office Work	Surveyed by Moore	
Checked	Notes Moore Date 12-22-42	
Date	Indexed A. C. Johnson	



From Tap pg. 38

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

Do not extend notes this side of this line.

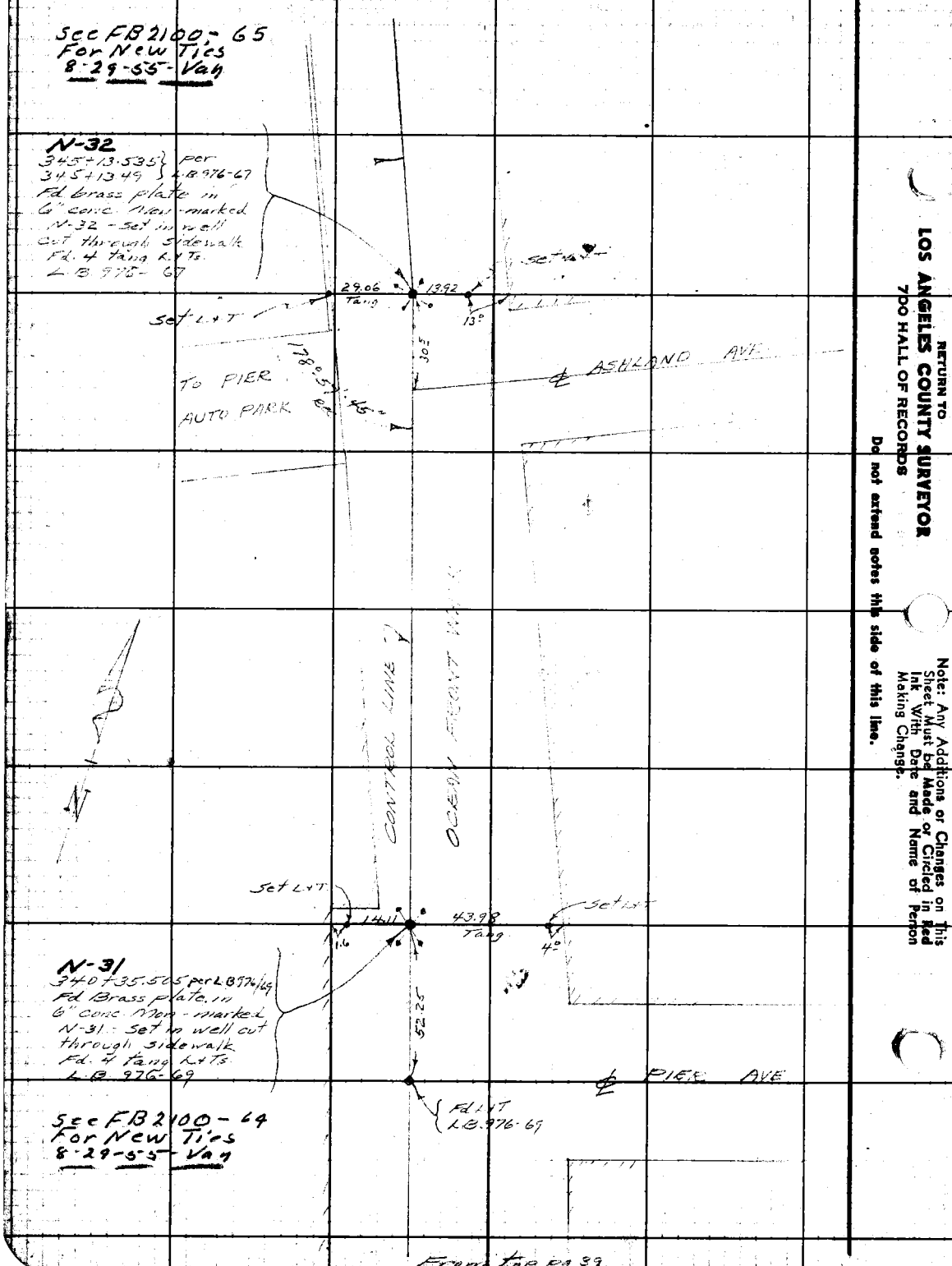
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 11-41

F.B. 930 Pg 40

To bot pg 41

See FB 2100-65
For New Ties
8-29-55-Vay



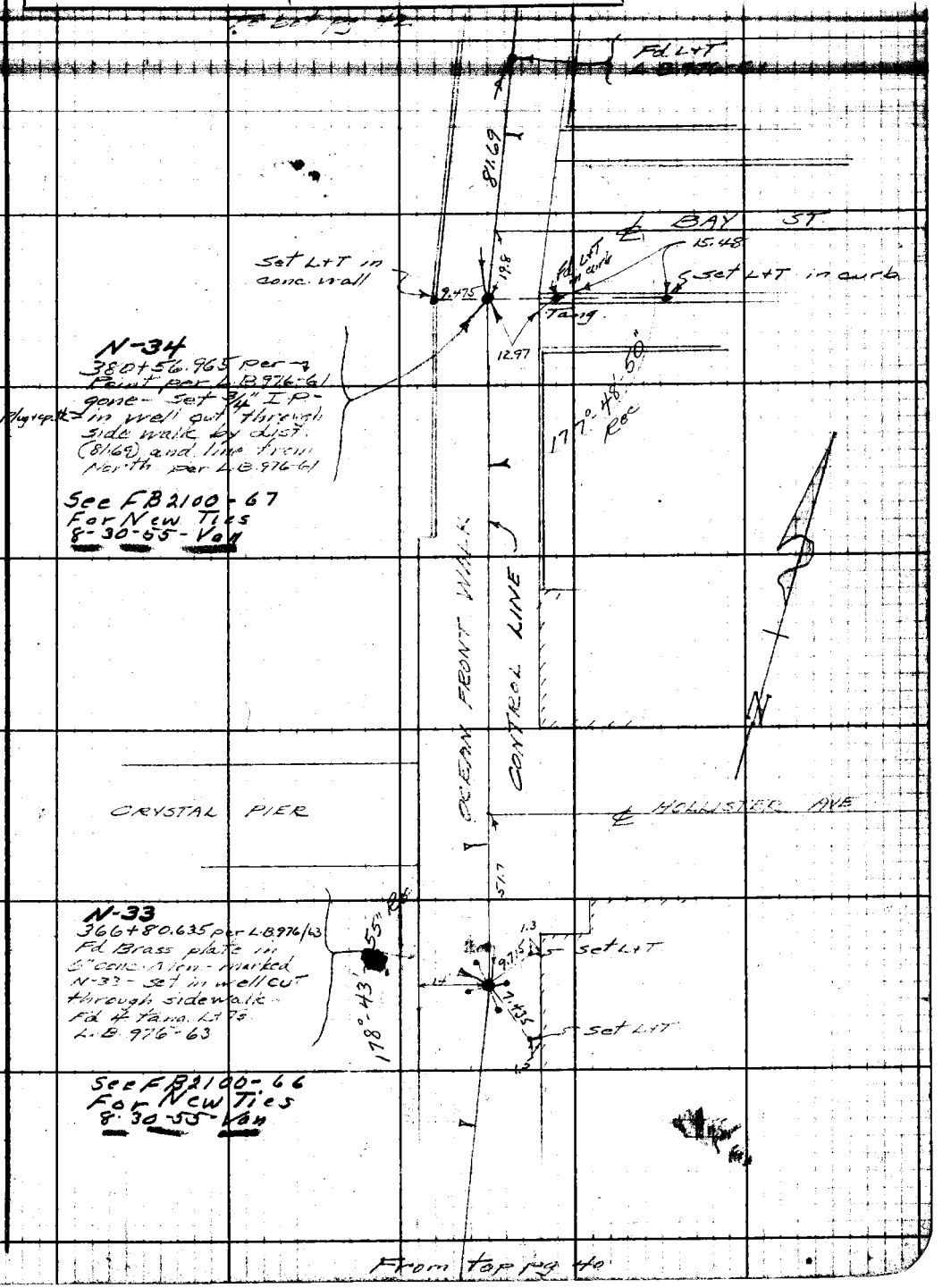
From top pg 39

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of	F.B. 93 Pg. 121
Map No.	W. O. 4960 Tape No. 5 St'd 68 °F	
Office Work	Surveyed by Moore	
Checked	Notes Moore Date 12-22-42	
Date	Indexed A. C. Johnson	



From top pg 40

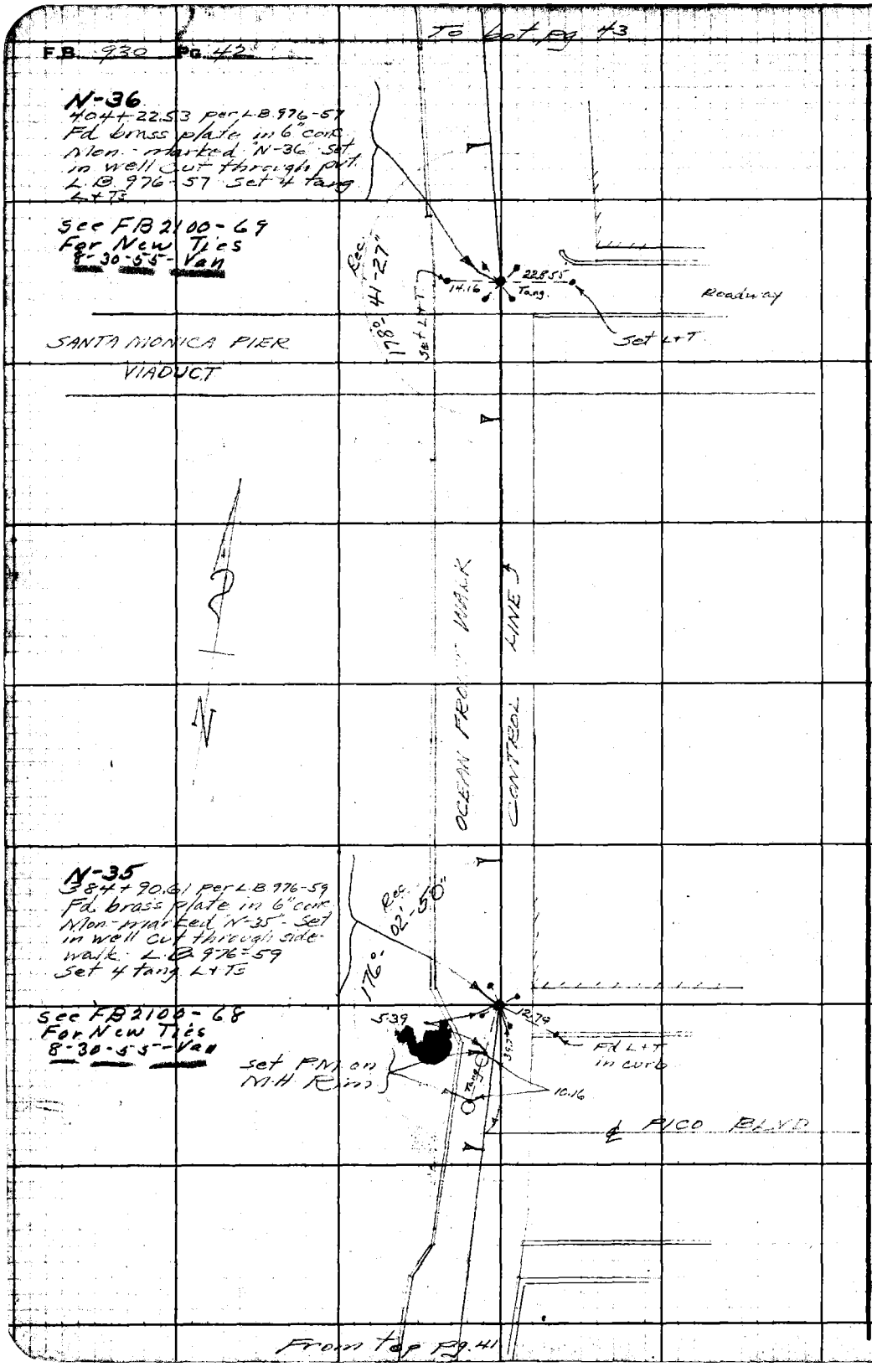
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 11-41

To bot pg. 43

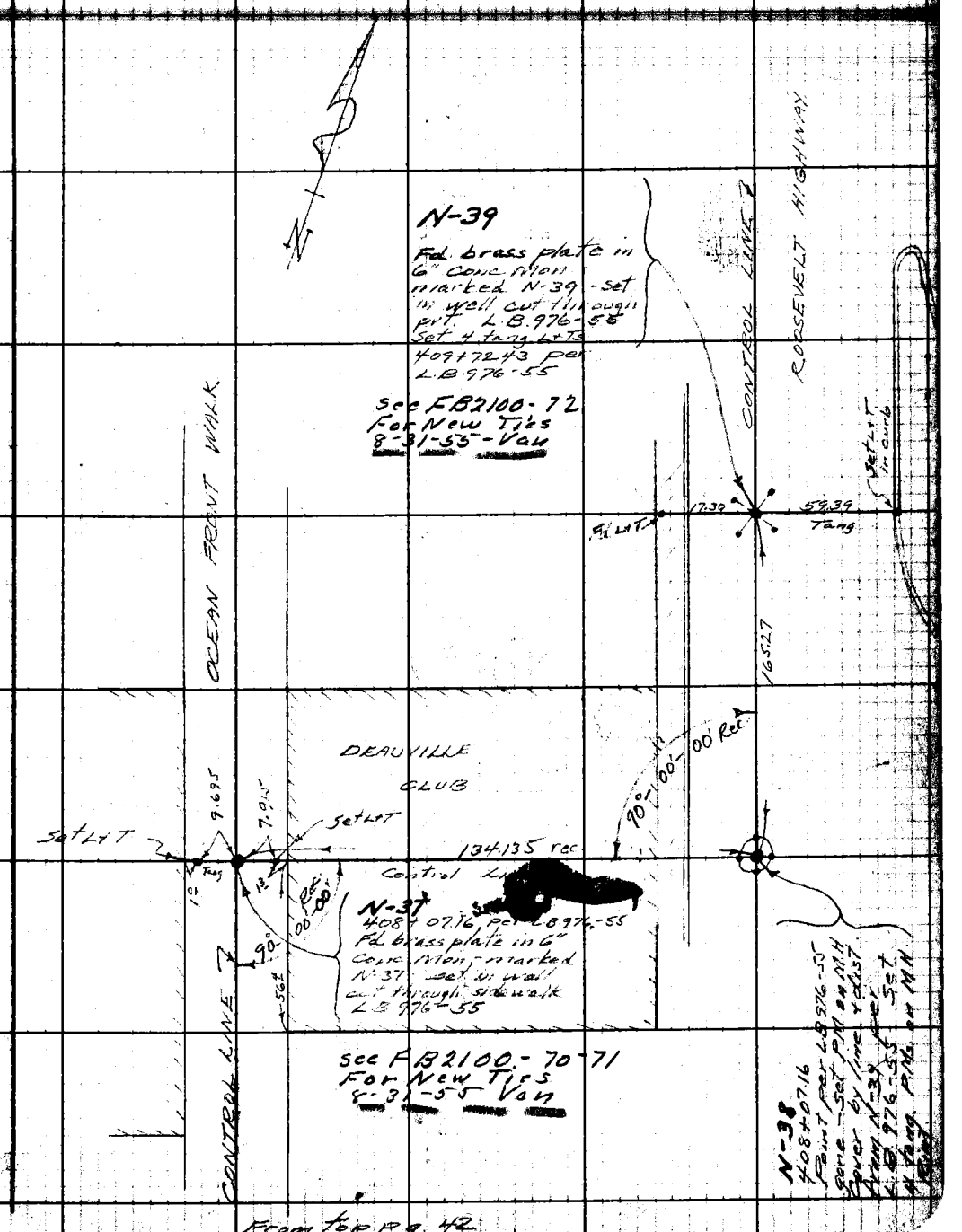


From top pg. 41

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

Notes Ck'd by	Survey of Beach Control Line	F.B. 730 PG. 13
Map No.	W. O. 4900 Tape No. 077 St'd 68 °F	
Office Work	Surveyed by [illegible]	
Checked	Notes Moore Date 12-23-42	
Date	Indexed	

Total Pg. 44



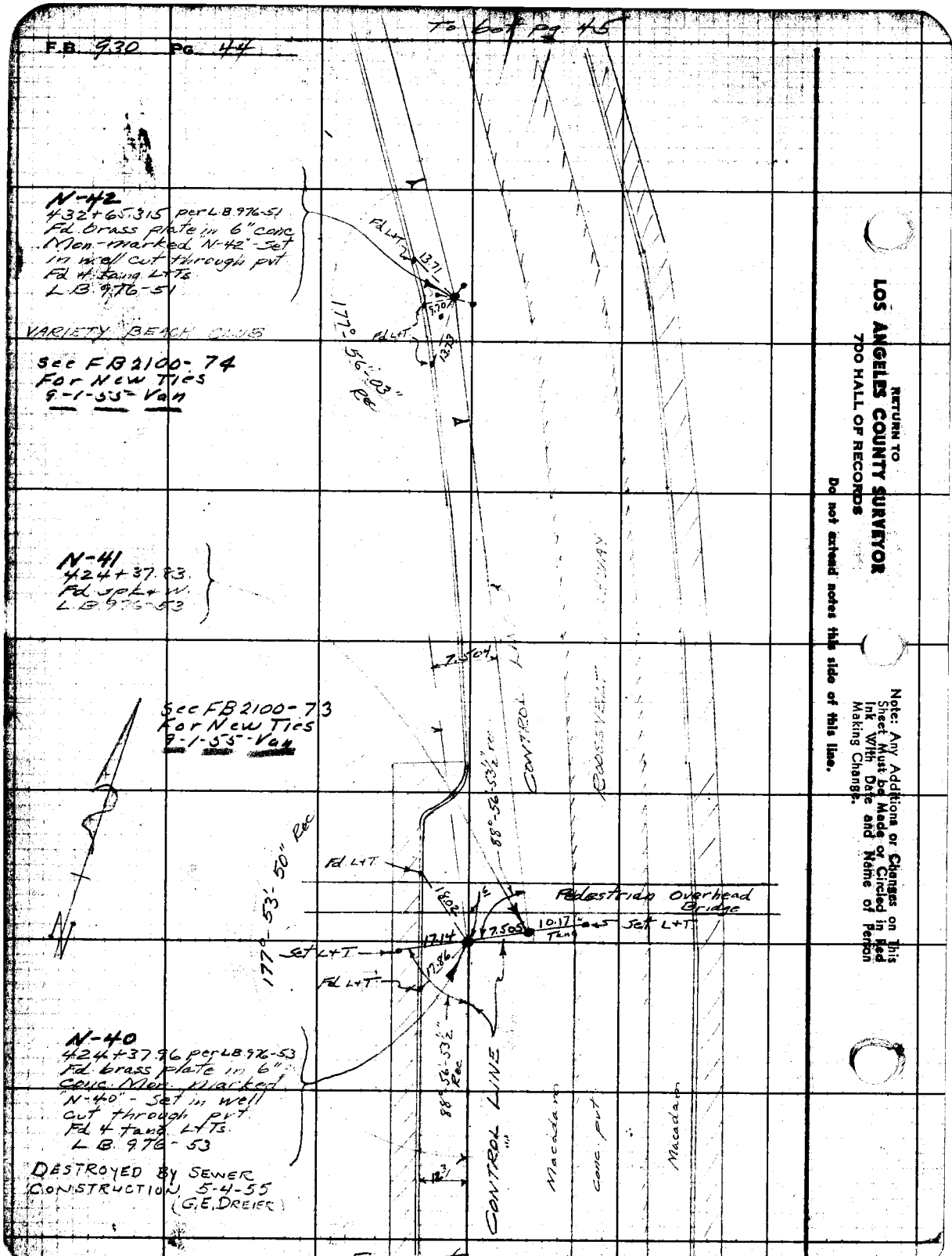
From top pg. 42

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 11-41

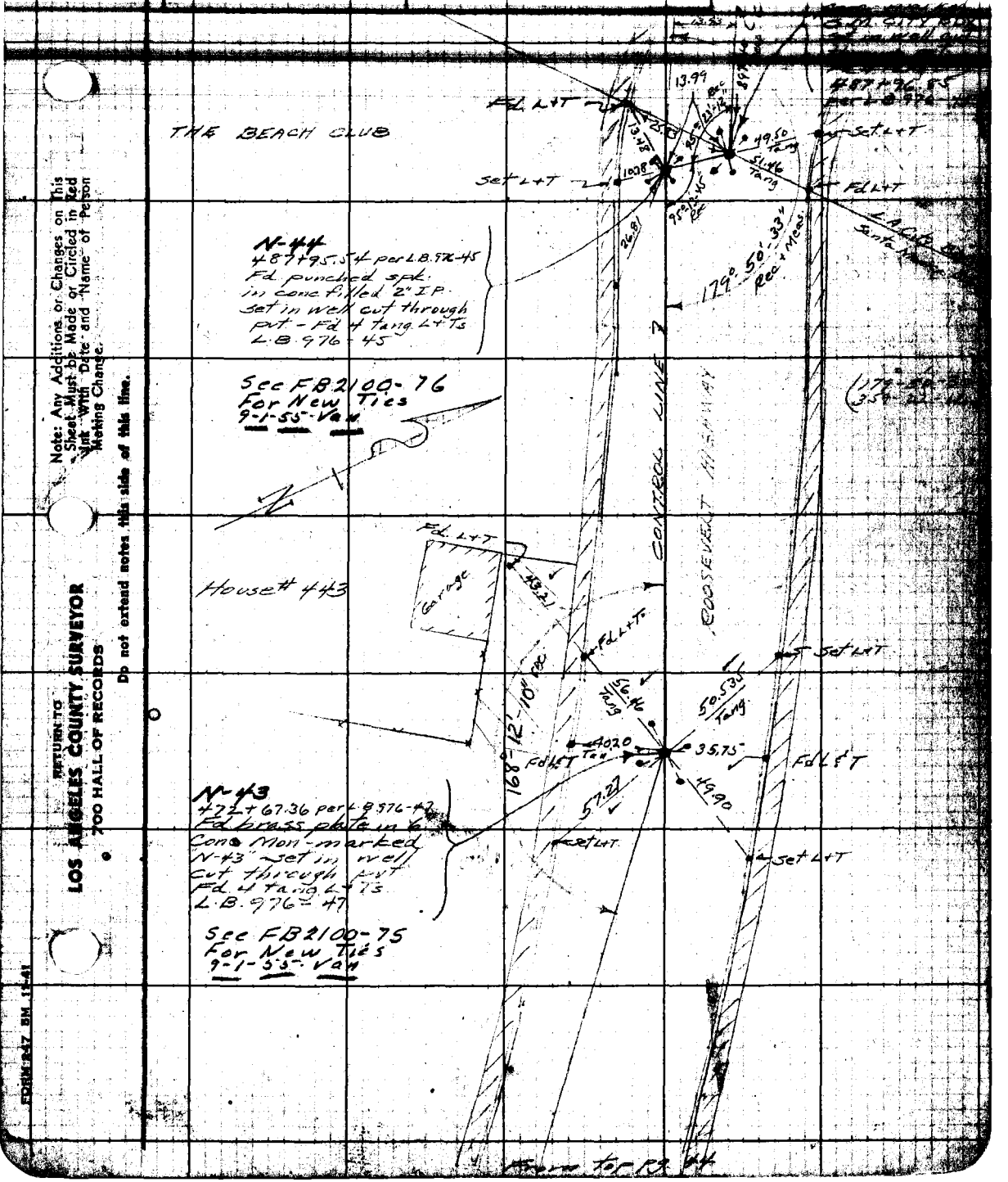


RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by:	Survey of Beach Central Line	F.B. 930 PG. 45
Map No.	W. O. 4900 Tape No. 077 St'd 68 °F	
Office Work	Surveyed by Moore	
Checked	Notes Moore Date 12-23-42	
Date	Indexed	



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

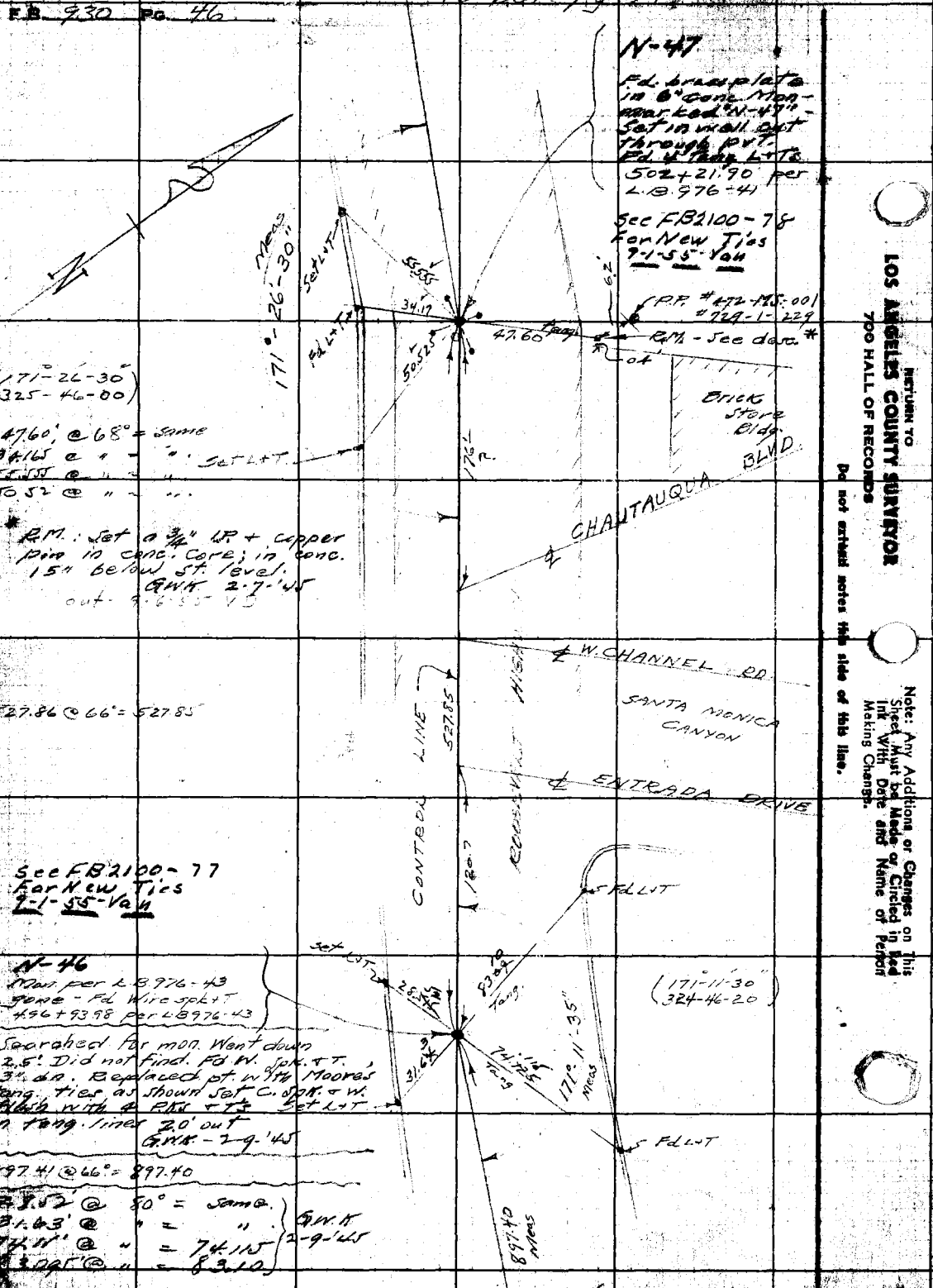
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 11-41

F.B. 930 Pg. 46

To hot pg 47



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line.

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

Notes Okid by _____ Survey of Pacific Control & Inc. F.B. 230 Pg. 47
Map No. _____ W. O. 4900 Tape No. 077 St'd 68 °F
Office Work _____ Surveyed by Moore
Checked _____ Notes Moore Date 12-28-42
Date _____ Indexed _____

To Dec. Pg 48

For New Ties 9-1-55-VAH

N-49
549+97.19 per L.B. 976-37
Fd. brass plate in 6" conc. mon. -12" dn. marked "N-49" L.B. 976-37
Set casing and well cover in conc. pad in pvt. Set 4 tang. PK spks. + T.

Fd. copper tack 15' W 7" sq. post in guard rail fence G.W.A. 1-12-'43

Fd. spk + T Removed

19.4'
0.76
Fd spk + T
15.76'
0 PP
170° 05' 13"
Rec. + Meas.
0.06
31'
PP # 102337 01
Culvert C. L. A. 22 + 00

Sandwich Stand
Porch
25'

See FB 2100-79
For New Ties 9-1-55-VAH

R/R set a 3/4" I.P. + copper pin in conc. Core, in conc. 20" below st. level G.W.A.

N-48
Fd. Spk + T
537+93.15 per L.B. 976-39
Could not find Mon. per L.B. 976-39 due to new paving.

Fd. above mon. in walk. Cover 4" below surface. G.W.A. - 2-6-'43

CONTROL LINE
ROOSEVELT HIGHWAY
47° 32' 05"
117.3'
90.5'
55.1'
33.96'
31.9'
12.3'
167° 41' 30"
111° 36' 40"
72.9'
RP # 107329 N
5 Fd. Spk + T
Fd. 4 RM's on rim of S.M.H. Used one for R.P. as shown. G.W.A.
RP # 102341 N
+472-18-01 E
0 0

√2.965 @ 68° = Same.

45.24 @ 4 = 4

① 111-35-45 ② 47-32-00
③ 86-44-30 ④ 180-08-30
111-35-45 Chk 47-32-07½
VO 05

Fd. 0.07 S. on top of S. house Corner

Note: All notes pertaining to this line by 15 W.A.G. 2-6-'43

From Top Pg #6

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

Do not extend notes this side of this line.

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

FORM 257 BM 11-41

F.B. 930 Pg. 48

To Bot Pg. 49

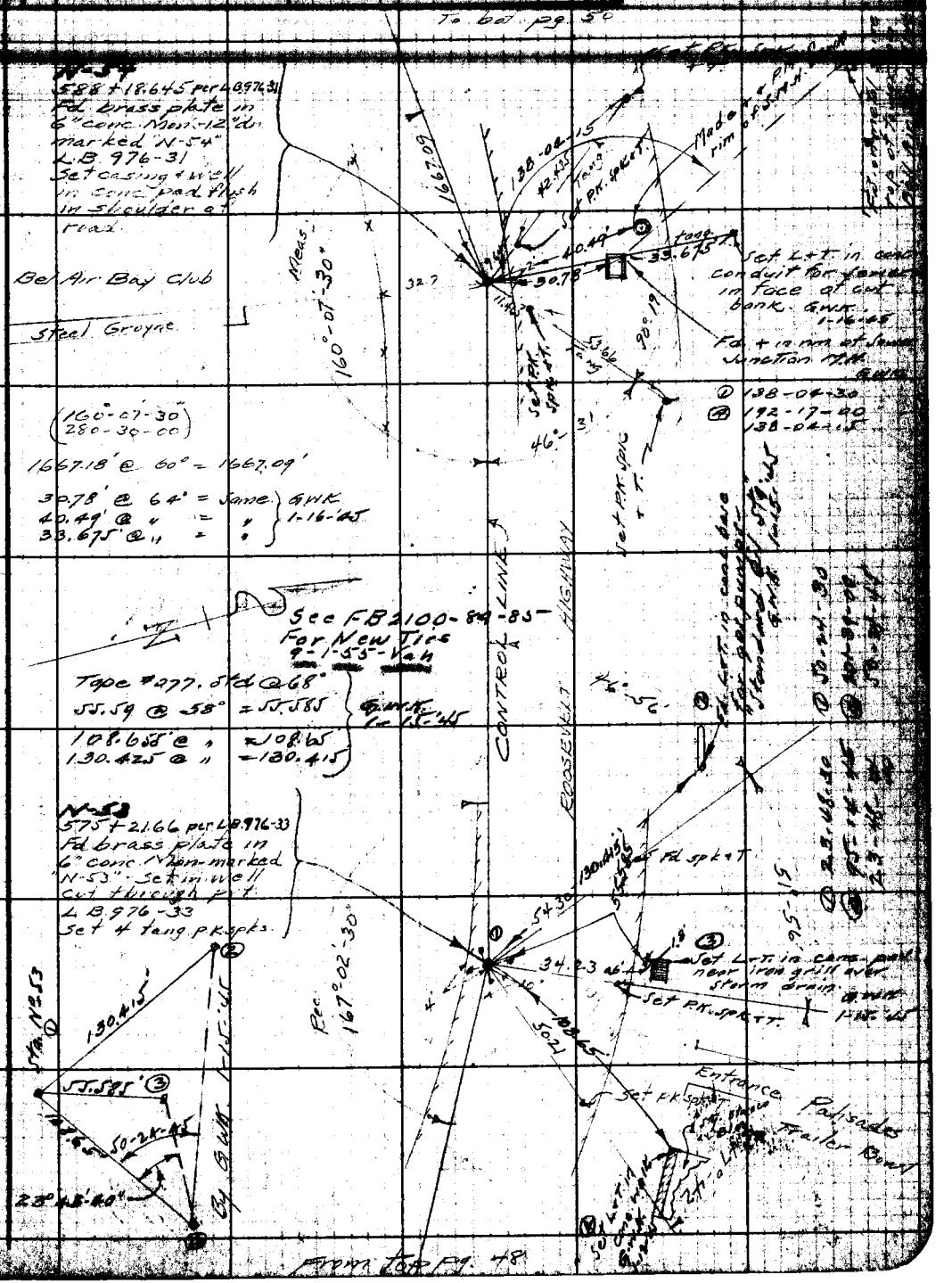
From top Pg.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Beach Control Line	F.B. 930 PG. 47
Map No.	W. O. 4900 Tape No. 077 Std 68 °F	
Office Work	Surveyed by Moore	
Checked	Notes Moore Date 12-29-42	
Date	Indexed	



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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 SM 11-41

F.B. 930 Pg. 50

N-58
Fd. brass plate in 6" Conc. Mon. -12" deep marked "N-58 - Sunset" L.B. 976-27

Fd. - (1-11-45) Set 2x2 stk. over, flush G.W.K.

(144°-46'-50"
219-07-20)

Note: For additional ties see pg. 56

(NOT FD. 5-9-55 G.E.D.
Dug 48" DEEP)

See FB 2100-86-87-88
For New Ties 9-26-55
Vah

Fd. 2' deep
Set 2x2 over, flush
1-11-45 G.W.K.

- P.O.T.
L.B. 976-27
Set C.S. Mon
E.C. in Conc.
marked
COUNTY SURVEYOR
R.E. 2177 - N-56
by rec. angle and
dist. from
33.065 per
L.B. 976-27

184°35'00"
178°19'30"
104-34-30

97°55'00"
31°35'00"
97-55-15"
(Mon)

① 32°53'30"
② 131°33'30"
32-53-25
S.M.H.

N-55
Mon per L.B. 976-29
Set C.S. Mon
& I.P. & B.C. in Conc.
in well cut through
shoulder of road
in conc. pad - marked
COUNTY SURVEYOR
R.E. 2177 - N-55" by
rec. angle and dist.
from N-58
Cost 85.595 per
L.B. 976-29

(162°-39-20
290-27-20)

85.885' @ 68° = same
72.095' @ " = " } Tape
47.70 @ " = " } 4977
118.455 @ " = " } std @
156.68 @ " = " } 68°

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
Do not extend notes this side of this line.

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

Beach Control Line

F.B. 730 PG.

See FB 2100-90 For New Ties 10-3-65-Vag

Map No.

Office Work

Checked

Date

W. O. Dist. No. 077 St'd

Surveyed by Moore

Notes Moore Date 12-31-42

Indexed

To bot pg 52

Set C.S. Mon. 2" IP BBC marked "COUNTY SURVEYOR BENT N-62A" by line + dist. from N-63 - 18" dn. 647+68.80± West per L.B. 976-23

147.51' @ 54° = 147.495'
23.945 @ " = same
13.10' @ " = "
86.575 @ " = 86.565

① 144-32-30
② 218-10-15
144-32-35

Fd. 2x2 in 2" I.P. 3½ dn. - has apparently moved - L.B. 976-23

① 59-03-30 ① 29-52-30
② 236-15-00 ② 119-30-00
59-03-45 29-52-30

RMS: Set ¾" I.P. + copper pin in conc. core. in conc. 15" below st. level.

Note: All ties pertaining to ink lines by GWK - 1-29-'45.

N-60
Fd. spk + T
628+58.29
per L.B. 976-25

Could not find. GWK - 2-6-'45

See FB 2100-89 For New Ties 9-1-65 Vag

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

Do not extend notes this side of this line.

RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

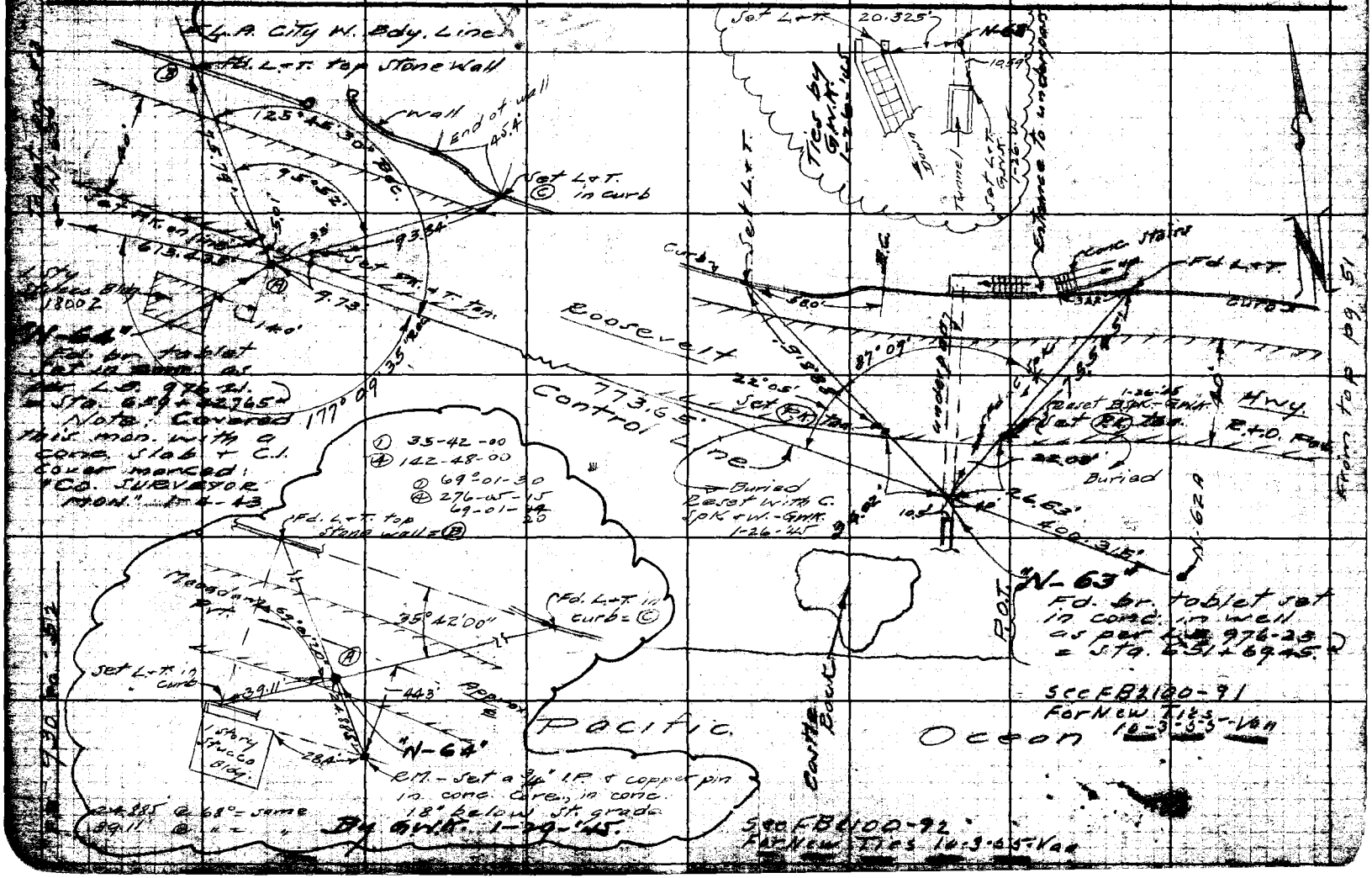
FORM 247 5M 11-41

From Top Pg. 50

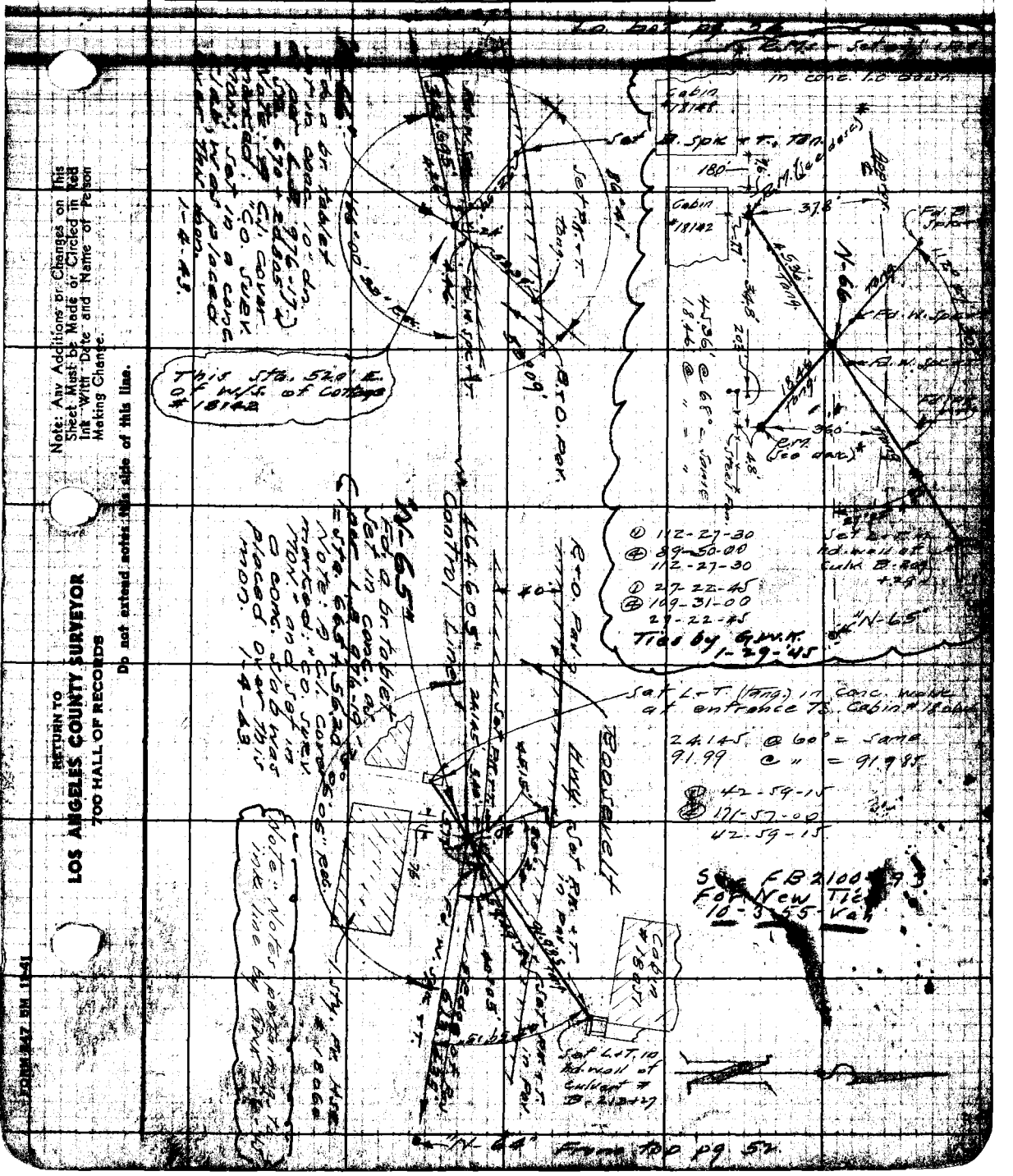
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.



Notes Ck'd by	Survey of Beach Control Line	F.B. 900 Pg.
Map No.	W. O. Tape No. Std.	See FB 2100-94 For New Ties 10-3-55 Van
Office Work	Surveyed by L. D. Moore	
Checked	Notes Date 1-4-43	
Date	Indexed	



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

Do not extend notes this side of this line.

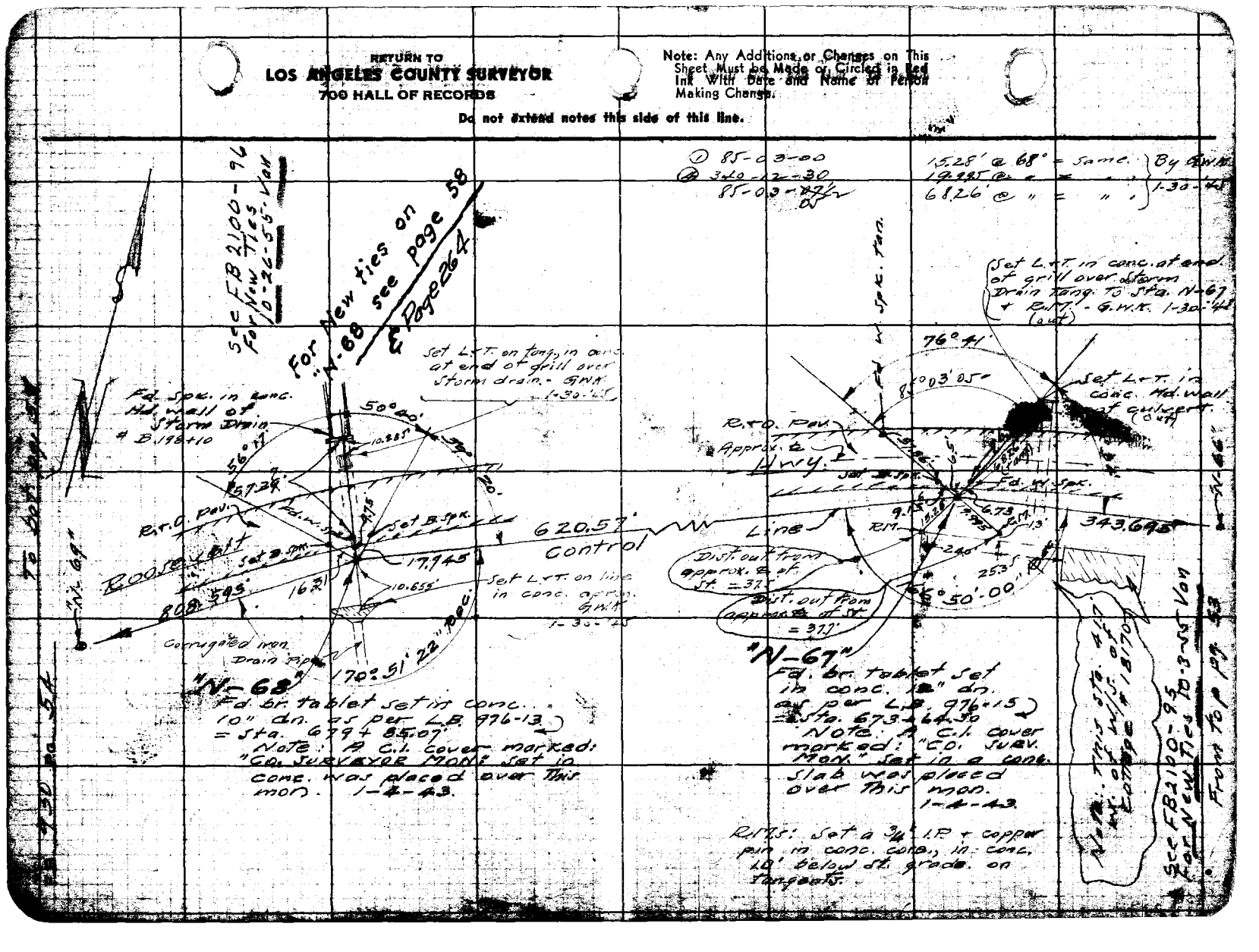
RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 847 5M 11-41

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.



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

Survey of [illegible] Control Line
W. O. [illegible]
Surveyed By [illegible]
Notes [illegible]
Indexed

F.B. 930 PG. [illegible]

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 547

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Notes Ck'd by	Survey of BEACH CONTROL LINE
Map No.	W. O. 4900 Tape No. 0105 Std 68° F
Office Work	Surveyed by F. H. BLANCHARD
Checked	Notes FHB Date 4-13-49
Date	Indexed A. C. Johnson 4-19-49

F. B. 930 Pg. 57

BEACH CONTROL LINE

JN4900

TIES FOR

N-68

F.B. stationing 679+85.07 adjusted stationing 679+91.02

Ref

FB 930-54
LB 976-13
C.S.B. 1823-3

Party

Blanchard
Harris
Dougherty
Heaven
Dale

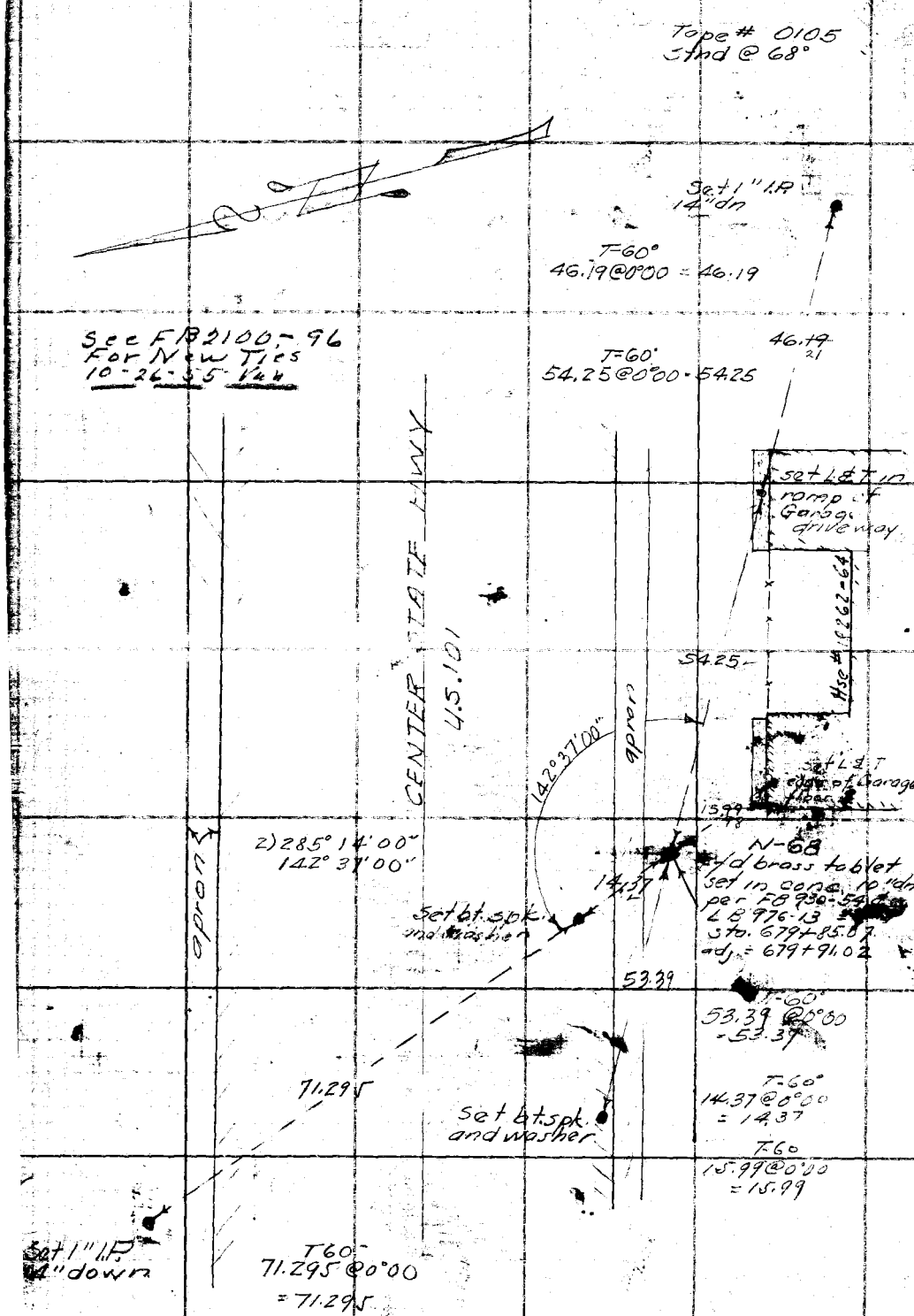
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 5M 5-46

F. B. 930 PG. 58



RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed A. C. Johnson 3-14-51

F. B. 930 Pg. 59

BEACH EROSION CONTROL

REPLACEMENT AND RETIES FROM S19 TO S13 REDONDO BEACH

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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 SM 5-46

F. B. 930 Pg. 60

The Line shown on Pages 61 to 63 is not an exact retracement [but it is a close one] of the old line between S 13 and S 19 shown on Pages 14 to 17. The error of closure between the old and new surveys was 0.09' This error has been proportioned out so as to make the 2 surveys close exactly and the bearings and distances shown in ink were calculated from the proportioned northings and eastings. The difference between the coordinates shown and the coordinates on C.S.B-1823-1 denotes the calculated relation between between the positions of the new and old points.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
7DO HALL OF RECORDS

Do not extend notes this side of this line.

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

Notes Ck'd by KRM	Survey of BEACH EROSION
Map No.	W. O. 8412 Tape No. 13 St'd 24 °F
Office Work	Surveyed by
Checked	Notes Date 3-1-51
Date	Indexed E. C. Johnson

F. B. [illegible] PG. 6[illegible]

Bot Pg # 62

Note
Reset Copper Tack Pen Ties on Window Sill of Cafe, So Side of Pier
Snyder
2-19-1953

(2) 331 03 00
(4) 302 06 00
(6) 273 08 40
165 31 ~~30~~ 27

83.54 @ 0.00 T-56 = 83.52
249.21 @ 0.00 T-52 = 249.16
332.68

332.69 Adj.
332.68
N 13° 40' W
S 15° 12' 47" E

Set Let in cor. curb.
Fd
54.32
Set Let in walk cor. Building out
37.55
165°
Not set
6-8-55 Van
Building over point
S-18
Set Let in conc walk on pier .33
See FB 930-16
38.34
Fd
36.14
Fd
Set Let in walk
N-4 053 843.69
E-4 169 459.58
.045
Fd Let
105.95
31
27" Adj.
301 + 70.96

146.07 @ 4.07 T 70 = 145.68
256.47 @ 2.07 T 72 = 256.28
401.96

S 29° 41' 20" E
401.96
401.97 Adj.

"NOTE"
PI's out From S-19 to S-13 reset by prop. From S-19 to S-13 (an ERROR of .25 was made in chaining to S-18 from S-19 which accounts for the final distance of 401.96 being to long as compared to 401.71 rec.)

See FB 2100-29
For New Ties
6-8-55 Van
305 + 72.67

Fd Let
24" Adj.
12.73
15.73
154° 08' 25"
S-19
Fd CS Mon.
See FB 930-17
N-4 053 494.49
Fd Let
E-4 169 658.67

S 3° 49' 40" E
628.91 Rec

(2) 308 16 50
(4) 256 33 30
(6) 204 50 30
154 08 25

S-20

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 10M 1-49

F. B. 930 PG. 62

(2) 340 02 30
(4) 320 04 50
(6) 300 07 20 ✓
170 01 15

Note
See F.B. 1884 Pg 120
for angle Meas.
2-24-53 Snyder
See F B 2100 - 25 Van

219.40 @ 0-0 T-54 = 219.36 ✓
56.99 @ 0-0 T-54 = 56.98 ✓
200.03 @ 0-0 T 54 = 199.99 ✓
476.33 ✓

(2) 338 48 00
(4) 317 36 00 ✓
(6) 296 24 00
169 24 00

294+10.44

N-4 054 562.74 ✓
E-4 169 217.08 ✓

See F B 2100 - 26
For New Ties
6-8-55 Van

T54
96.95 @ 0-0 = 96.93 ✓
158.41 @ 0-0 = 158.41 ✓
171.89 @ 0-0 = 171.86 ✓ ✓
427.20

(2) 347 49 20
(4) 335 38 40
(6) 323 28 00 ✓
173 54 40

N-4 054 164.72
E-4 169 372.78

298+38.23

Fd 6-8-55
V.D

See F B 2100 - 27
For New Ties 6-8-55
Van

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Notes Ck'd by KRM	Survey of BEACH & RUSSIA
Map No.	W. O. 8412 Tape No. 13 St'd 54 °F
Office Work	Surveyed by
Checked	Notes Date 3-5-51
Date	Indexed A. C. Johnson

F. B. Pg. 62

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 247 10M 1-49

5-12

See FB 2100-23
For New Ties
6-8-55 VAM

90.02 - 0.00 T60 = 90.01

Ø 349 47 30
Ø 329 34 54
Ø 329 22 00
174 53 40

264+96.17
N- 4 057 197.56
E- 4 168 024.40
5-13
Sidewalk broken out T. set
cross in walk by ties
SEE FB 930-14

S 24°40'34"E 131.03

Fd LOT in curb
FB 930-14

SET LOT in cone in walk

90.01

75.32

Note
For Replacement
& New Ties of
5-13
See FB 1884
Pg. 121

17.35 no Fd LOT in walk

40.0

53.1

62.51

17.40

Fd LOT in curb

Ø 341 48 10
Ø 323 36 20
Ø 305 24 30
170 54 23

SET LOT Rnd Iron

BERYL ST.

S 29°46'54"E Adj. 1693.05

29.53

SET LOT Rnd Iron

SET LOT in conc. Line PT. only

214.83	@ 0.00	T55	214.79
204.20	@ 0.00	T52	204.17
178.75	@ 0.00	T58	178.72
183.62	@ 0.00	T58	183.59
201.80	@ 0.00	T60	201.77
54.68	@ 0.00	T60	54.67
11.16	@ 0.00	T60	11.16
184.87	@ 0.00	T63	184.84
260.43	@ 0.00	T60	260.39
204.99	@ 0.00	T54	204.95
			1693.05

2 81+89.34

Set P.I.

Sta 3.
See FB 930-14

64.39

SET LOT

N- 4 055 728.09
E- 4 168 865.35

T60

298.73	@ 0-0	= 298.68
49.12	@ 0-0	= 49.12
297.98	@ 0.0	= 297.93
32.98	@ 0-0	= 32.97
9.91	@ 0.0	= 9.91
59.75	@ 0.0 T58	= 59.74
745.75		
.33		

Top P. 62

0.54 Adj.

0.06 Adj.

0.28 61

X in rock

14.97

170.54

11.39

107.11

132.60

H620

SET LOT

HAWTHORNE AVE.

154.17

58.51

SET X.

SET LOT

67.17

SET X

S 20°41'01"E 745.49

745.33

745.34 Adj.

See FB 2100-24
For New Ties
6-8-55 VAM

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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F. B. 930 Pg. 64

Notes Ck'd by	Survey of BEACH EROSION STUDY
Map No.	W. O. C112 Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date 2-9-51
Date	Indexed E. C. Johnson 2-18-51

F. B. 930 PG. 83

TIE OF ZUMA BEACH CONTRO LINE TO DECKER AUX. TRIANG STA.

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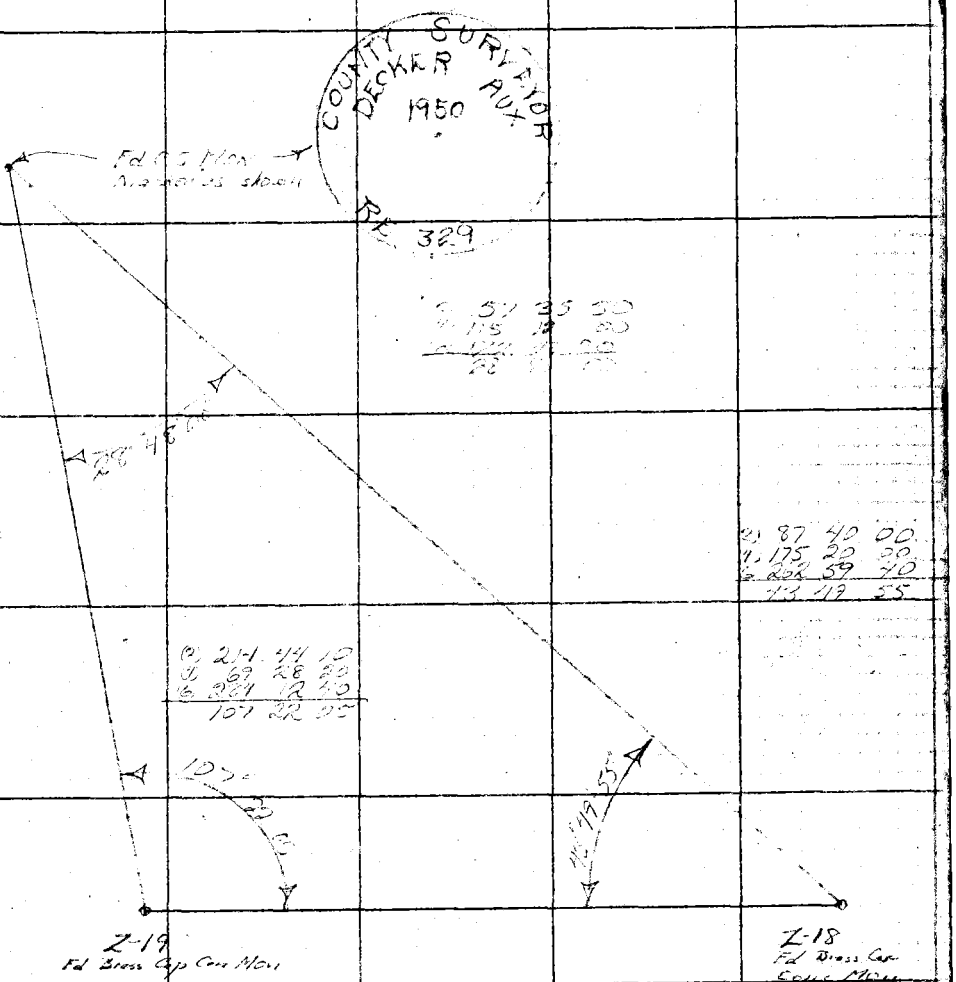
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.



76F3088 247 10M 1-49

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726 LOS ANGELES COUNTY
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F. B. 930 PG. 84

Notes Ck'd by	Survey of BEACH EROSION
Map No.	W. O. Tape No. St'd. °F
Office Work H. U. M. H	Surveyed by
Checked	Notes Date
Date	Indexed A. C. Johnson 6-26-51

F. B. 73 Pg. 51

J.N. 8412

BEACH EROSION STUDIES.

ZUMA BEACH

CONTROL LINE MONUMENTS FROM POINT DUME TO POINT SESQUIT

APRIL 1951

C. V. CRUMLEY.
J. N. DOUGHERTY.
W. D. BAY.
H. J. ROBBINS.
J. C. GOODWIN

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3088 247 10M 1-49

F. B. 930 PG. 86

TO U.S.C.&G.S. REEF
(SOLSTICE CANYON L-9)

CARD #1

F.B. 925 - 63, 64
? F.B. 933 - 45, 46
? 923 -
INDEX MAP #19

See F.B. 2100-102
10-21-55-Van

102.49 @ T=60° = 102.48

TANG.

Fd. C.S. CONTROL MON.
DUME - E.C.C. #2
PER F.B. 933-55-60

43.16

EMBANKMENT
AROUND TOP OF
MT. DUME

U.S.C.&G.S. TABLET
IN 12 X 12 CONC. PILLAR
Fd. C.S. CONTROL MON
PT. DUME
(DUME POINT L-12)
2" UP
F.B. 933-55-60
CARD #1

REC. 59

75.625

81.89

(111°)

102.48

45

60.98

Fd. C.S. CONTROL MON.
DUME - E.C.C. #1
PER

32

SET 1" I.P. WITH COP.
WIRE CTR. IN CEM.
Flush. ON TANG. PROD.
(Fd 10-20-55 Van)

TO △ STA. RINGE
PAGE 92

159°

60.98 @ T = 60° = 60.98 ✓

(2) 319°-05-20
(4) 278-11-00
(6) 237-16-30

159°-32'-45"

415.41

BEACH CONTROL LINE

(300' TAPE @ 84° STD.)

(1) 296.55 @ 18°-29' @ T=62° = 281.21 ✓
135.99 @ 9°-15' @ T=64° = 134.20 ✓
415.41 ✓

(2) 297.41 @ 18°-13' @ T=62° = 282.46 ✓
134.53 @ 8-45 @ T=64° = 132.95 ✓
415.48

415.41

TO Z-1 PAGE 87

JHA 6-28-51

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 115 St'd 68 °F
Office Work H. U. M. H.	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 4-6-51
Date	Indexed A. C. Johnson

F. B. 933 PG. 87

ZUMA BEACH

COUNTY SURVEYOR R.E. 329

FROM BOTTOM PAGE 86

415.41

Z-#1-4 PT.
SET C.S. 24" BRASS
CAP MON. 6" DN. IN
SMALL SADDLE TOP OF
CLIFF S.W. of DUME PK.

PACIFIC OCEAN

55°

SET 1" I.P. & Cop. WIRE CTR. IN CEM. - FLUSH N. SIDE SADDLE

19.49

15.75 TAN.

SET 1" I.P. & Cop. WIRE CTR. IN CEM. - FLUSH - ON S'LY SIDE SADDLE

96°

50'

SET BT. SPK. & W. IN Lead 3' up FROM BASE OF CLIFF

128°

118.39

44.99

67.59

SET BT. Spk. & W. IN Lead ON SHELF AT BASE of CLIFF - Level WITH SAND = B.M.
PAGE 128'

TOP SLOPE

Elev =

Z-1A-P.D.T.
SET C.S. 30" BRASS
CAP MON. 18" DN. 1 60 FROM HIGH TIDE LINE

(300' TAPE STD @ 84°)
(1) 142.93 @ 34°-03' @ T=66° = 118.40
(2) 141.38 @ 33°-07' @ T=66° = 118.38
MEAN = 118.39
40

TOE SLOPE

COUNTY SURVEYOR Z-1A R.E. 329

See FB 2100-103
10-21-55 - Vay

2515.84

BEACH CONTROL LINE

(2) 257°-41'-50"
(4) 155-23-20
(6) 53-05-30

128°-50'-55"

(1) 2515.92 @ T=62° = 2515.82
(2) 2515.96 @ T=62° = 2515.86
MEAN = 2515.84

TO BOTTOM PAGE 88

JHA-6-25-51

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 10M 1-49

F. B. 930 PG. 88

TO BOTTOM PAGE 89

(1) 1111.34 @ T=60° = 1111.28
(2) 1111.36 @ T=60° = 1111.30
MEAN = 1111.29

See FB2100-104
10-21-55-Van

1111.29

BEACH CONTROL LINE

COUNTY SURVEYOR
N-2
R.E.329

SET N&T. G.P. 874466E

SET N&T. P.P. 874465E

96.66

73.17

15

SET Lg. BT. SPK. W.E.T. 1 Nail/ EXGRAVEL PAV.

36.52

22

4'±

90°

177°-22'-15"

(2) 354°-44-30
(4) 349-29-00
(6) 344-13-40

177°-22'-15"

74.15 @ T=66 = 74.15

88.24 @ T=66° = 88.24

(300' TAPE - STD @ 84°)

(1) 175.51 @ 6-28 @ T=62° = 174.36
(2) 175.24 @ 5-38 @ T=62° = 174.36

(2) 65°-54'-00"
32°-57'-00

R.M. Z-2
SET C.S. 30" BRASS CAP MON. 6" DN. S. Edge RD.

6-12-73
fd. E of E.

P.M. TOP of VALVE STEM OF FIRE HYDT.

174.36

88.24 TAN.

SET N&T. P.P. #874467E

11.64

2" I.P. R.E. #2088 UP 6"

32°-57'-00

R.M. Z-2
SET C.S. 30" BRASS CAP MON. 12" DN. N. SIDE RD.

SET 1X2 chn PT.

COUNTY SURV
R.M. Z-2
R.E.329

2515.81

FROM BOTTOM PAGE 87

LHA 6-28-51

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

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R 2088

Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 2115 St'd. 68° °F
Office Work H. U. M. M.	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 4-9-51
Date	Indexed A. C. JOHNSON

F. B. 230 PG. 57

ZUMA BEACH

To BOTTOM PAGE 90

1752.07

LOT LINE

OCEAN

LOT LINE

Fd 2" I.P. & R.E. TAG #2088 2' DN.

Fd 2" I.P. & R.E. TAG #2088

Fd 2" I.P. (NO TK.)

282.46

P.M. TIE

M.B. 28-7

LOT 24

LOT 25

BK.

Fd. 2" I.P. & RE TAG #2088 8' DN.

(30.46)

24.98

24.98

(30.46)

(2) 100°-56'-00"

50°-28'-09"

See F.B. 2100-105
New Ties 10-21-55 Van

C.V.C. 8-14-51
SEE PAGE 169 FOR P.M. TIES

410'

49.90

54.40

(2) 339°-59'-20"
(4) 319-58-30
(6) 299-58-10
169°-59'-40"

TR. #13619

APT
Z-3
SET C.S. 24" BRASS CAP MON. 10' DN. IN HAND-HOLE. SOUTH EDGE RD. 300' S.E. OF GATE AT ~~RAMIREZ~~ CANYON RD. TO MESA TOP OF BLUFF

COUNTY SURVEYOR
R.E. 329

fd. 2-78 A.C.

SET N&T. G.P.
GP Gone 7/18/51 R.F.M.

SET N.&T. P.P.

OILED & GRAVEL RD.

PACIFIC

BEACH CONTROL LINE

111.29

(2) 285°-44'-20"
142°-52'-10"

59.0

Set DH. Tk. ## in Rd. Fill

10.05

16.03

Z-3

Additional ties added 7/18/51 R.F.M.

FROM TOP PAGE 88

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

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76F3098 247 10M 1-49

F. B. 930 PG. 90

TO BOTTOM PAGE 91.

(1) 2222.51 @ T = 56° = 2222.34
(2) 2222.53 @ T = 56° = 2222.36
MEAN = 2222.35

BEACH CONTROL LINE

2222.35

OCEAN

Not reset will be taken out by high tides 10-21-55 - Van

NOTE - THIS POINT WAS WASHED OUT BY HIGH TIDES IN JUNE

Z-3A
P.O.T.
SET 18" 4"X4" STK. & BT. SPK. & W. 24" DN.
APPROX. HIGH TIDE LINE

12.20

SET 2X2 & TK FLUSH

PACIFIC

SET BT. SPK. W. & T. IN T.P.

45.68

SET BT. SPK. W. & T. IN T.P.

92.34

82.73

SET BT. SPK. W. & T. TOP COR. PILING - S.E. COR 1ST GUARD HOUSE AT S.E. END ZUMA BEACH

1752.07

(1) 1752.17 @ T = 58° = 1752.06
(2) 1752.19 @ T = 58° = 1752.08
MEAN = 1752.07

MACADAM ROAD TO HWY.

CEM. BLOCK PILLARS

FROM TOP PAGE 89

24AG-28-51

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726 LOS ANGELES COUNTY
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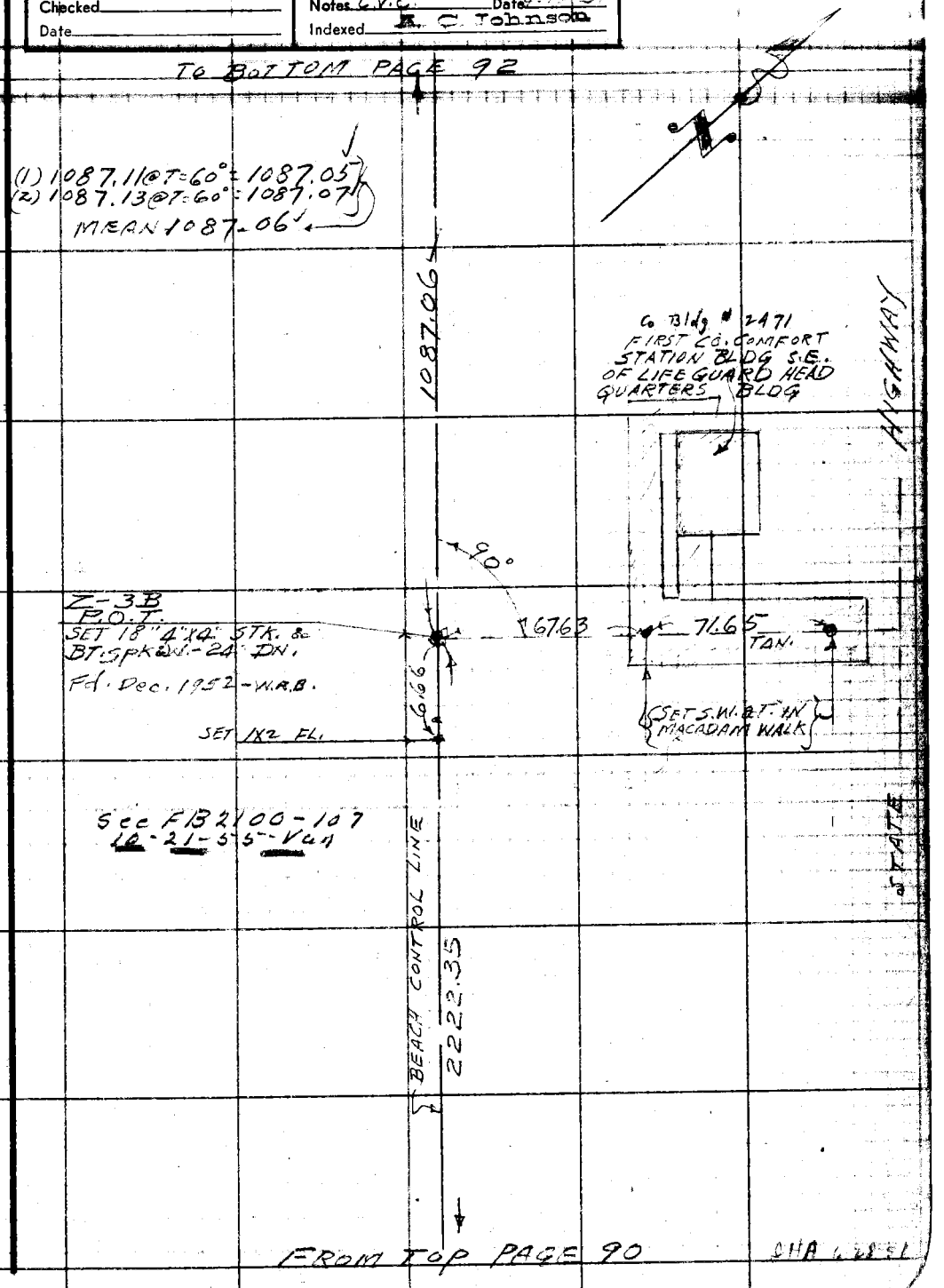
Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 0115 St'd. 68 °F
Office Work H.U.M.H.	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 4-10-51
Date	Indexed A. C. Johnson

F. B. 930 PG. 91

ZUMA BEACH.



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

76F3098 247 10M 1-49

RETURN TO
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726 LOS ANGELES COUNTY
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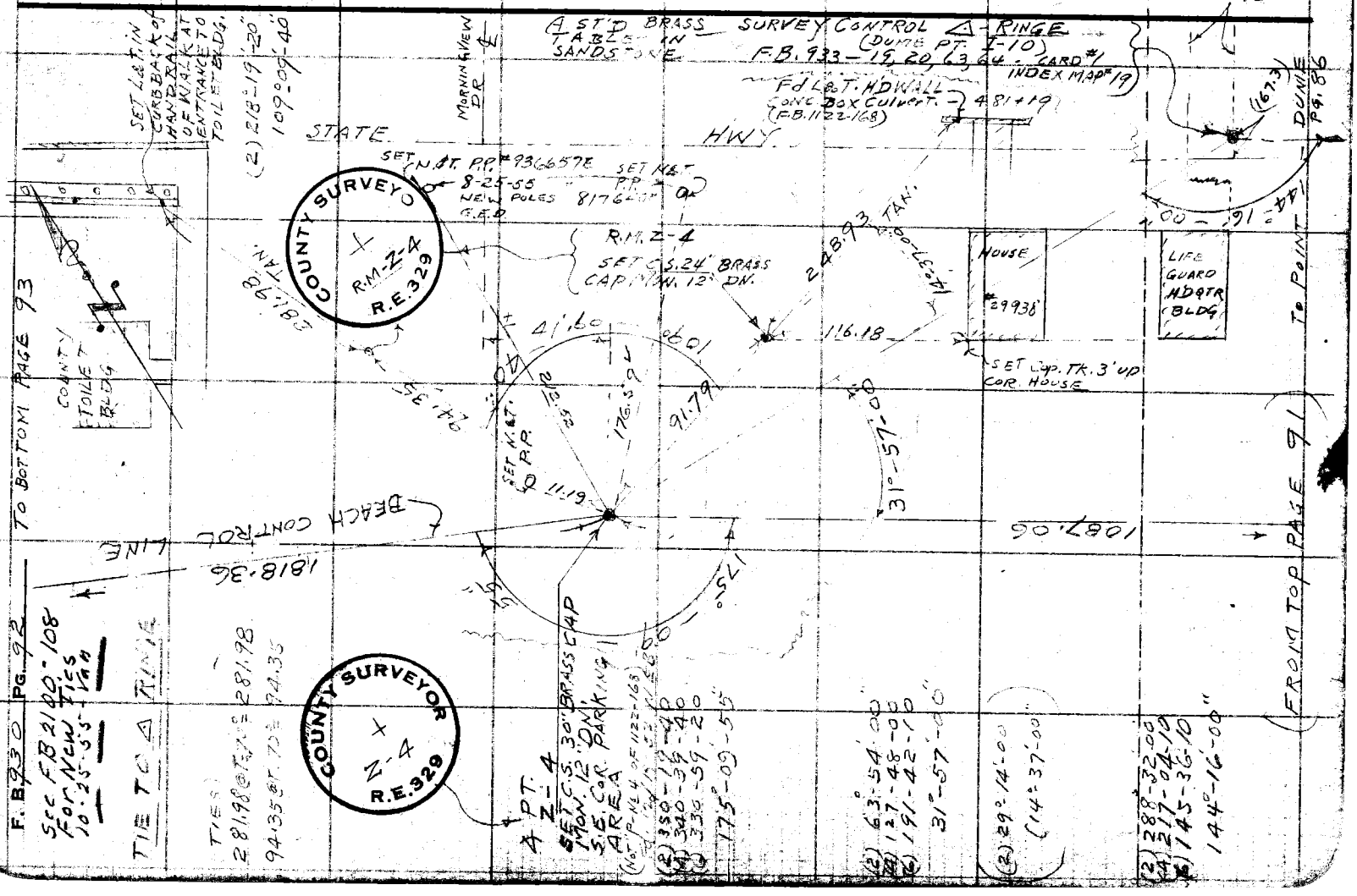

Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 115 St'd. 68 °F
Office Work H. U. M. H.	Surveyed by C. V. TUMLEY
Checked	Notes C.V.C. Date 4-17-51
Date	Indexed R. C. Johnson

F. B. 730 PG. 93
ZUMA BEACH

TO BOTTOM PAGE 94

(1) 1315.36 @ T=64° = 1315.33
(2) 1315.39 @ T=64° = 1315.36
MEAN 1315.35

1315.35 LINE

SET BT. SPK. W. & T. TOP COR. PILING

14.63

P.O.T. Z-4A
SET 18" 4"X4" STK. & BT. SPK. & W. 30" DN.
Fd. 12/18-52 W & B

13.69

LIFE GUARD STA. 5+C

SET BT. SPK. W. & T. TOP of COR. PILING

Sta. F.B. 2100-109
10-25-55 Van

(1) 1818.42 @ T=64° = 1818.37
(2) 1818.41 @ T=64° = 1818.36

1818.36 BEACH CONTROL

FROM TOP PAGE 92

JHA 6-28-51

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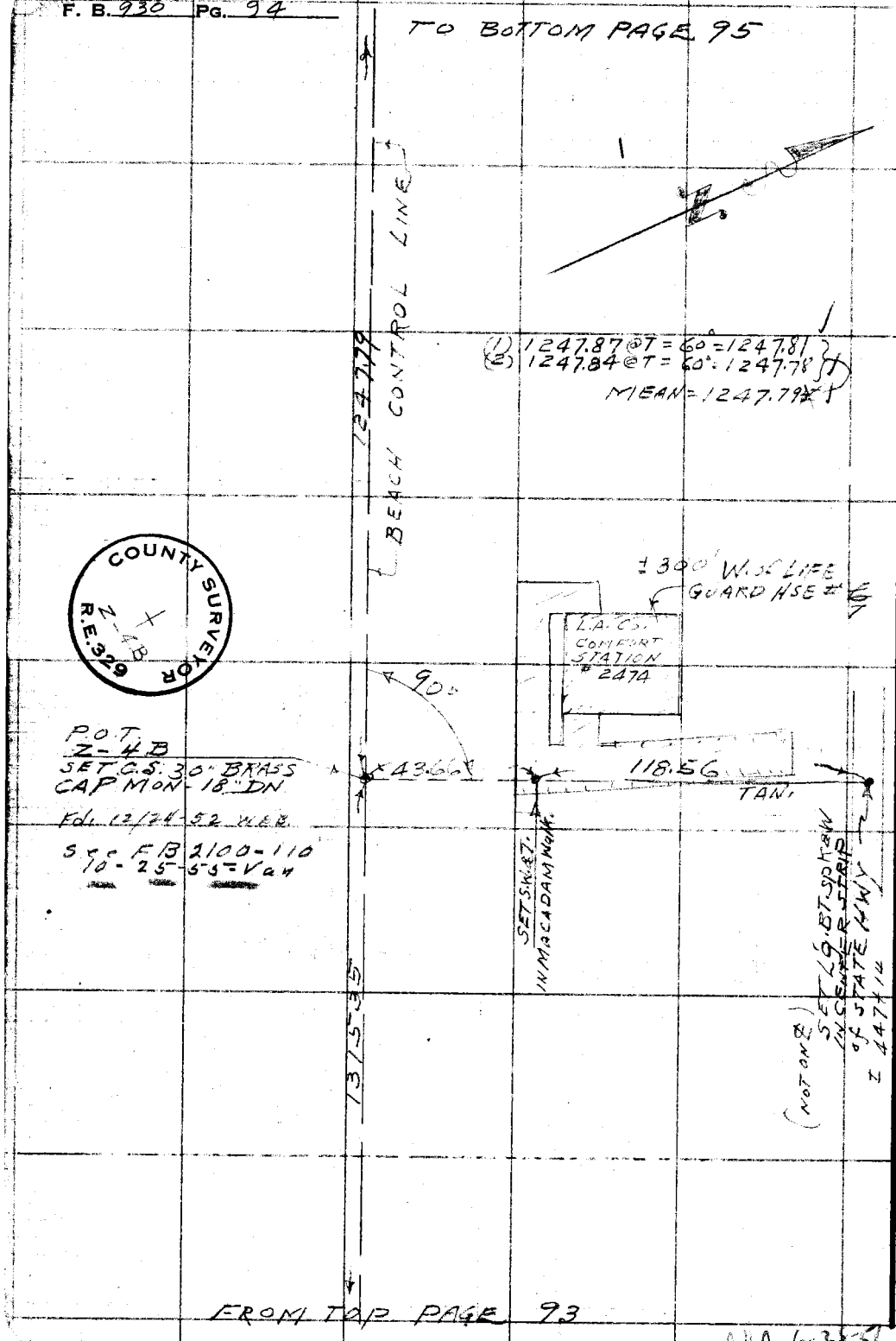
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3088 247 10M 1-49

F. B. 930 PG. 94

TO BOTTOM PAGE 95



FROM TOP PAGE 93

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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RHA 6-25-57

86.37
32.14
118.55

Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 0115 St'd. 63 °F
Office Work H.U.M.H.	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 4-17-51
Date	Indexed A. C. Johnson

F. B. 930 PG. 95

→ ZUMA BEACH

TO BOTTOM PAGE 96

72.90
42.47
5.37

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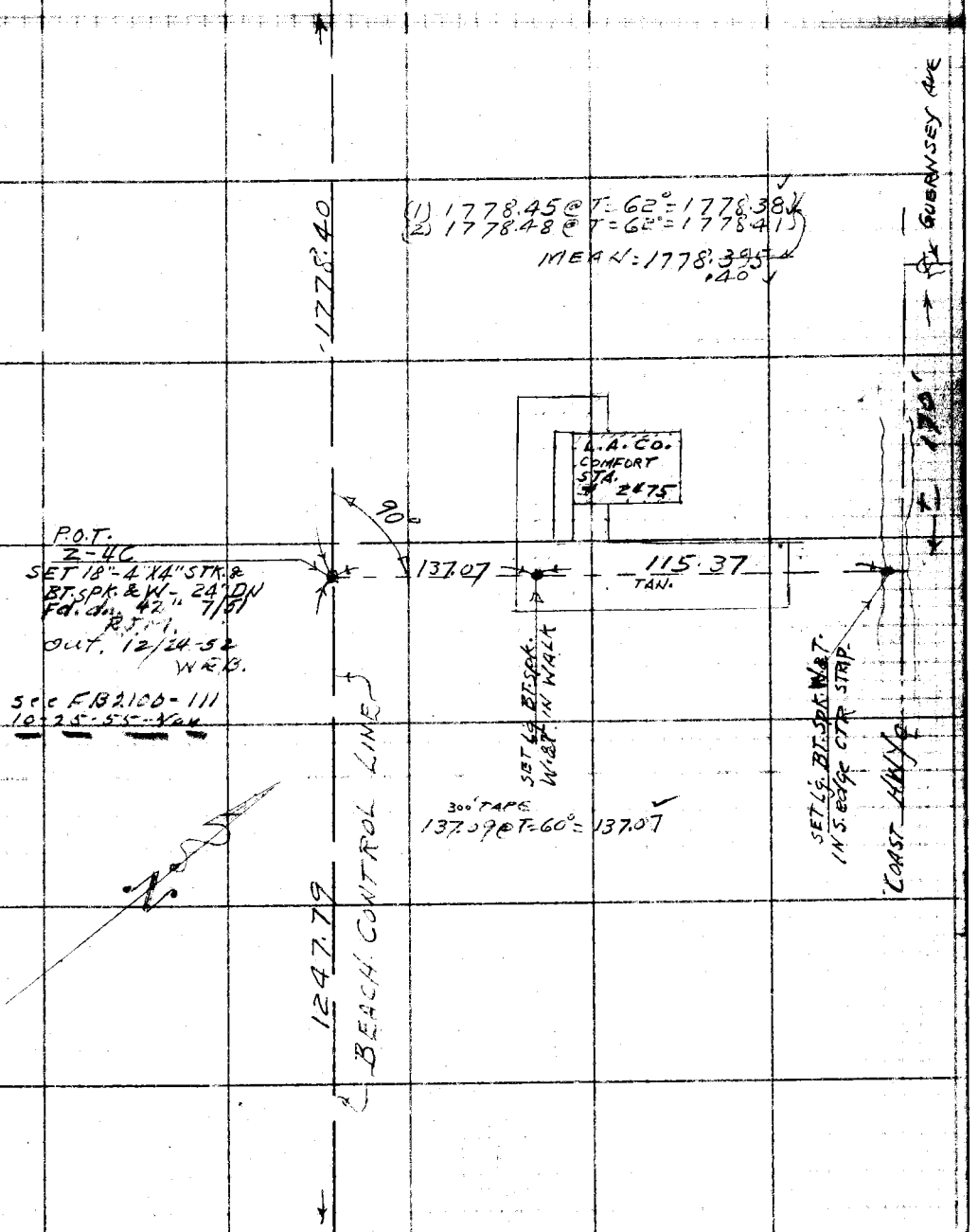
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.



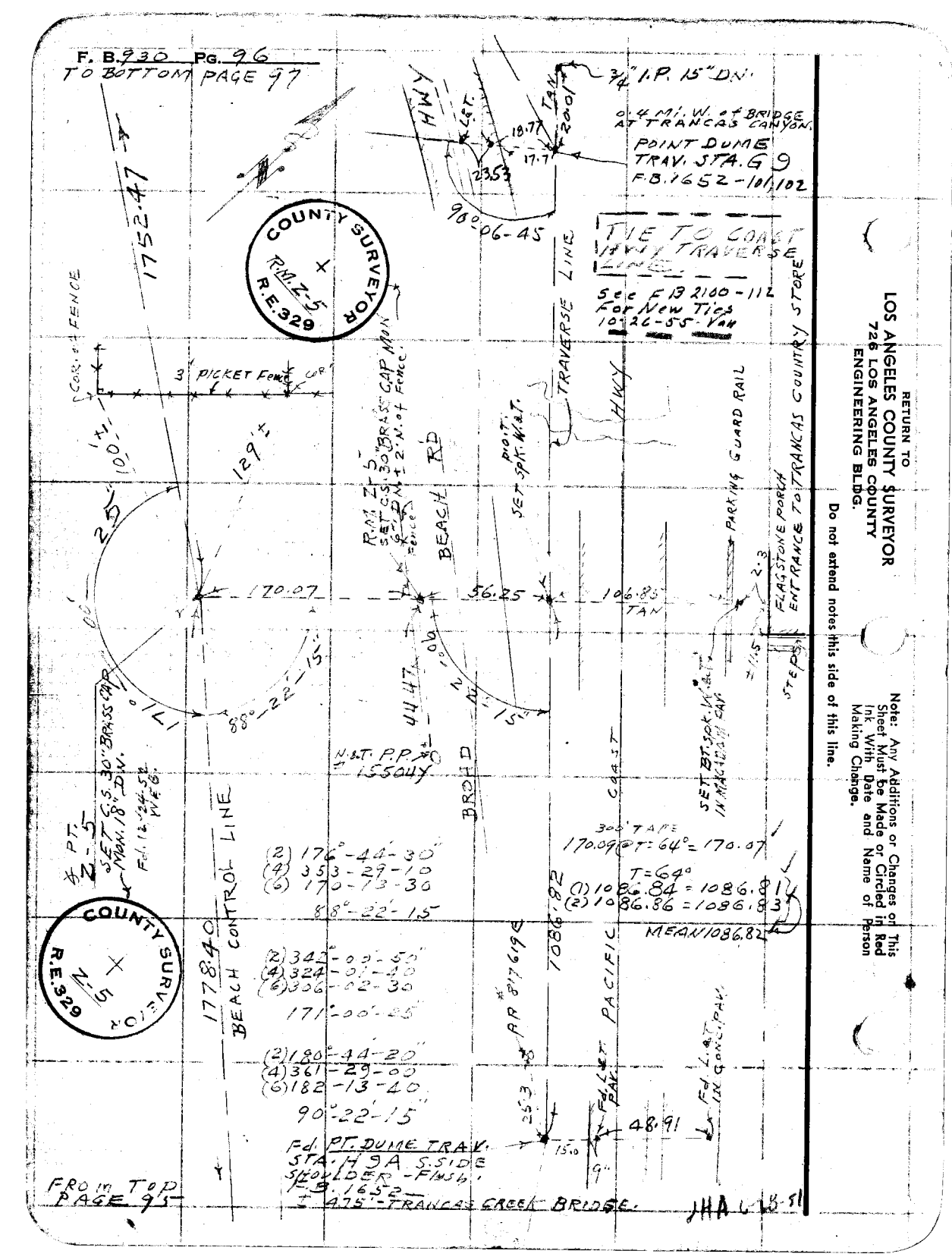
FROM TOP PAGE 94

JHA 6-28-51

76F309S 247 10M 1-49

F. B. 730 Pg. 96

TO BOTTOM PAGE 97



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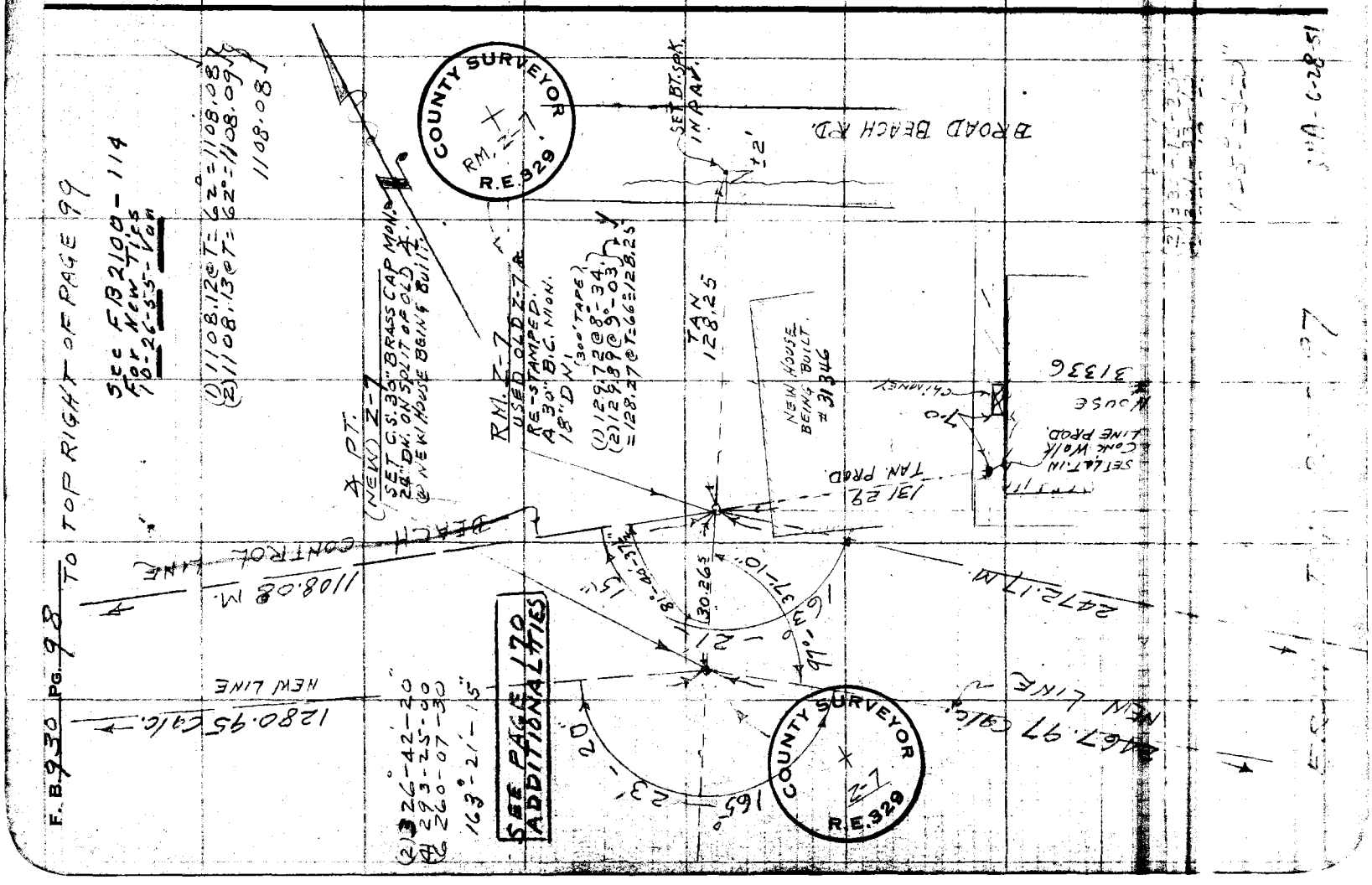

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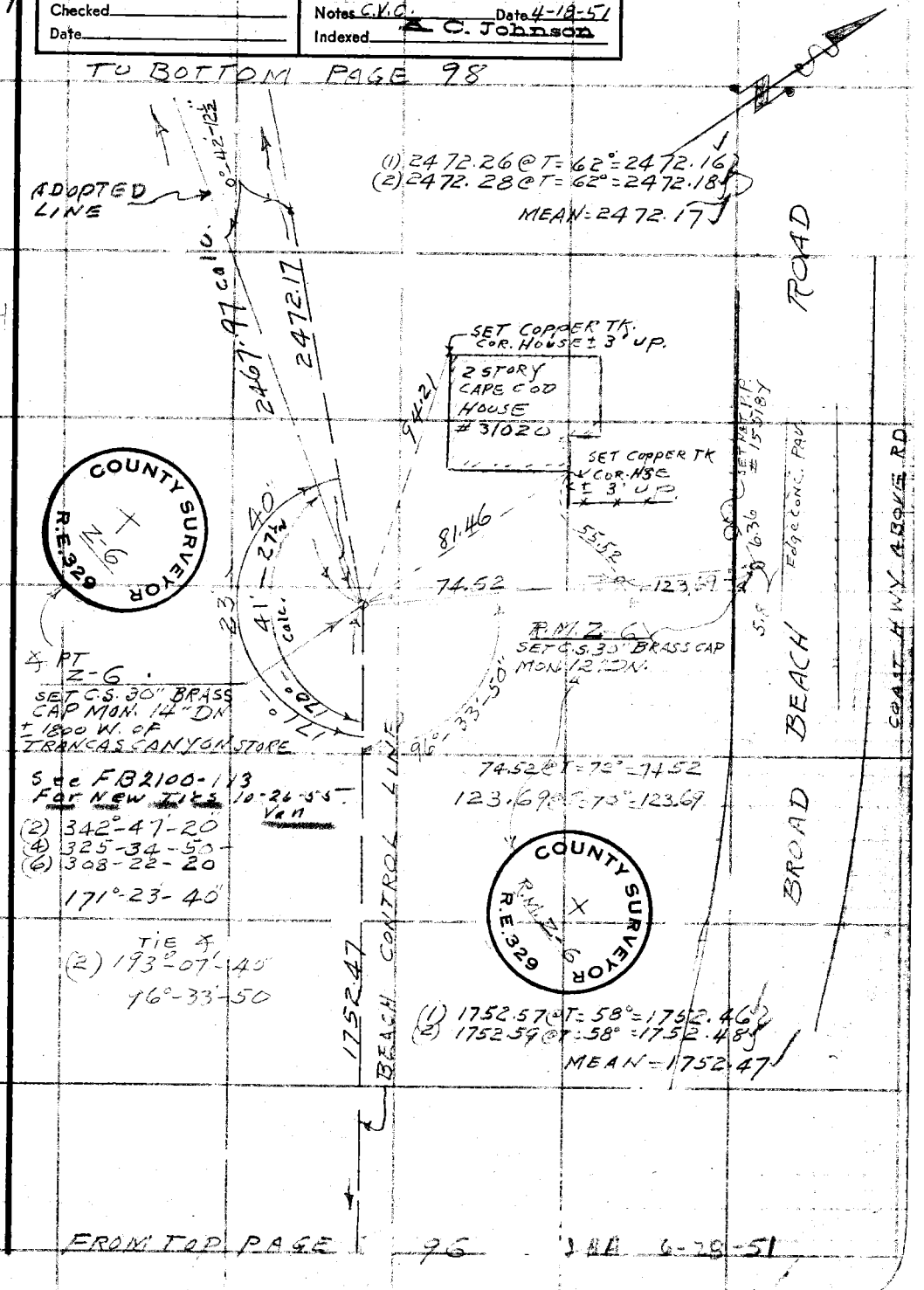
Date	Indexed A. C. Johnson

F. B. 230 PG. 97

ZUMA BEACH, ET AL.



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76F3098 247 10M 1-49

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F. B. 930 Pg. 99

ZUMA BEACH, ET AL

(2) 245-22-20
(4) 130-44-40

122°-41-10"

R.P.
SET 1½" I.P. & COP. WIRE CTR. IN CEM. ON TAN. PROD. FLUSH - AT BASE OF CUT.

See FB2100-115
10-26-55-Van

COUNTY SURVEYOR Z-8 R.E.329

74.55

1X2 ON

1108.08
1°-19'-52½" calc.

176.90

1280.95 calc.
NEW LINE

FROM TOP PAGE

PT. Z-8
SET C.S. 30" BRASS CAP MON. 8" DN. ABOVE BEACH IN OLD ROADWAY ± 300' S. OF HORIZONTAL Water TANK ON BROAD BEACH RD. OPP. STA. ± 360+00

R.P.
SET 1½" I.P. & Cop. WIRE CTR. IN CEM. - ON TAN. PROD. - FLUSH AT BASE OF CUT. (ON OLD LINE PROD.)

33.37

78.92

LINE

122°-41'-10"

300' TAPE
78.93 @ T=68° = 78°.92

300' TAPE @ 84°
T=64° = .02

121° CALC.

(1) 180.51 @ 11°-27' = 176.90
(2) 179.92 @ 10-30 = 176.89
176.90

OLD DIRT RD

300' TAPE
(1) 268.01 @ 2°-19' @ T=64° = 267.76
(2) 267.95 @ 2°-00' @ T=62° = 267.75
267.76

(2) 217°-50'-20"
(4) 75-40-40
(6) 293-31-00

108°-55'-10"

BASE of cut

267.76

403.15

See FB2100-116
For Ties
10-26-55-Van

COUNTY SURVEYOR Z-9 R.E.329

BEACH CONTROL

141'

TO BOTTOM PAGE 100

Z-9A
P.O.T. - R.P.
SET BT. SPK. IN CHISELLED GROOVE ON PT. of CLIFF ± 4.5 UP FROM BEACH SAND.

108°-55'-10"

1X2

PT. Z-9
SET C.S. 30" BRASS CAP MON. ON SEND GRADED AREA AT LACHUSA POINT - 8" DN
T=66°
(1) 68.25 @ 12°-45' = 66.57
(2) 67.63 @ 10-07 = 66.58
66.57

251.92

66.57

1829.55

(300' tape @ 84°)
(1) 252.88 @ 4°-57' @ T=64° = 251.91
(2) 252.59 @ 4°-02' @ T=66° = 251.93
MEAN = 251.92

R.P.
SET 1" I.P. & Cop. WIRE CTR. IN CEM. 1" UP - ON LOWER LEVEL OF LACHUSA POINT

JHA - 6-28-51

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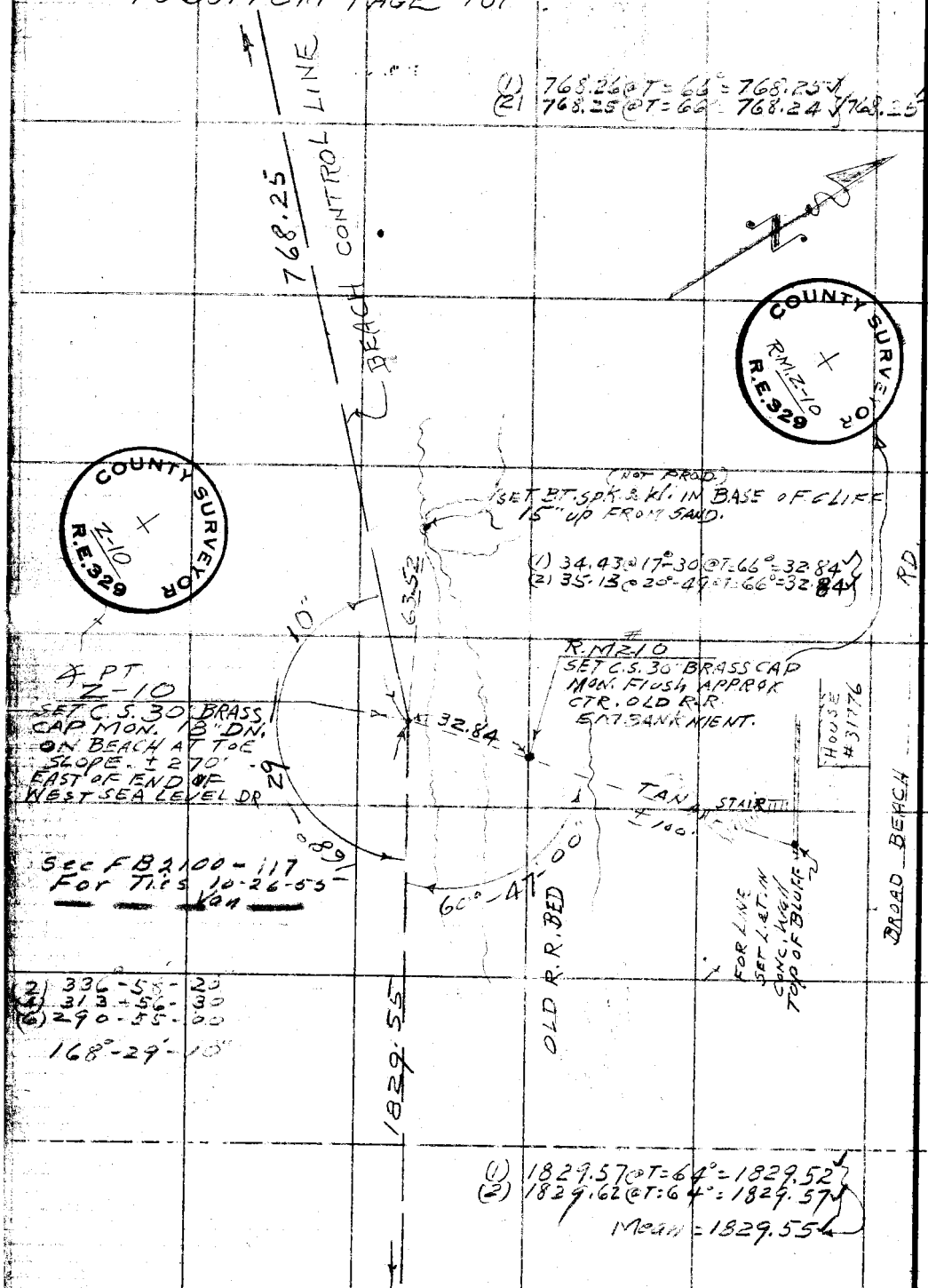
76F3098 247 10M 1-49

F. B. 930 PG. 100'

TO BOTTOM PAGE 101



FROM BOTTOM LEFT OF PAGE 99

JHA 6-28-51

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Date	Indexed A. C. Johnson

F. B. 930 Pg. 101

ZUMA BEACH, ET AL.

718.46
99.25
817.71

TO BOTTOM PAGE 102

(1) 718.50 @ T=62° = 718.47 } 718.46
(2) 718.48 @ T=62° = 718.45 }

(1) 100.59 @ 9°-20' @ T=60° = 99.25 }
(2) 100.11 @ 7-29 @ T=60 = 99.25 }

℄ PT. Z-11
SET 2" I.P. WITH BRASS CAP - 12" LONG - IN CEM. TOP 10' X 50' ROCK ISLAND ±15' HIGH - APPROX HIGH TIDE LINE
MOUTH OF ENCINAL CANYON.

COUNTY SURVEYOR R.E. 329 Z-11

See FB2100-118 For Ties 10-26-55 - Van

(2) 325°-14'-20"
(4) 290-28-20
(6) 255-43-00
162°-37'-10"

718.46
817.71
SET 1X2
99.25
SAND 37'-10"
162°
BEACH
ENCINAL CANYON
DRIVE
RD.
HWY
COAST
BROAD BEACH
BEACH CONTROL LINE
768.25

FROM TOP PAGE 100

JHA 6-28-51

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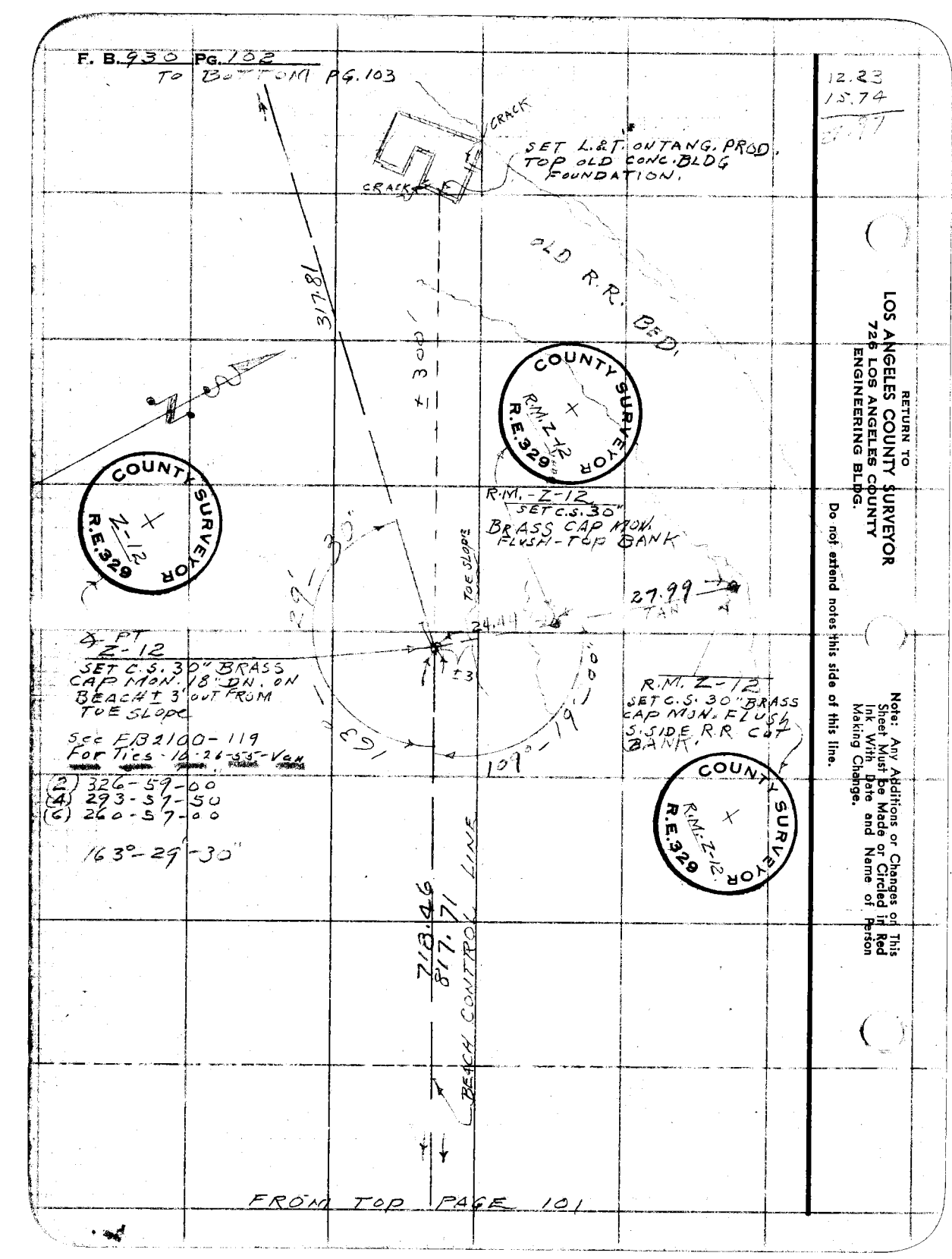
76F309S 247 10M 1-49

F. B. 930 Pg. 102
TO BOTTOM PG. 103



FROM TOP PAGE 101

12.23
15.74

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Date	Indexed A. C. Johnson

F. B. 930 PG. 103

ZUMA BEACH, ET AL.

7747

TO BOTTOM PAGE 104

STAIRWAY TO BEACH HOUSE

TRAIL UP TO HOUSE

±25'

1075.41

R.M. - Z-13
SET C.S. 24" BRASS CAP MON. FLUSH IN GRADED TRAIL.
NOTE: WE RESET @ TRACTOR KNOCKING OFF S. SIDE TOP OF MON. - C.V.C. 6-8-51

28°-05'-00"

77.48 TANG.

P.O.T. Z-13A
SET BT. SPK. IN NOTCH N. END HIGH ROCKY ISLAND. ± 7.5 UP FROM BEACH.

R.M. - Z-13
SET C.S. 30" BRASS CAP MON. 2" DN. IN GRADED TRAIL.

Fd. old SPK ON SIDE

T=60°
(1) 88.67 @ 14°-23'
(2) 87.86 @ 12°-10'
85.89

85.89

83.39

TRAIL

COUNTY SURVEYOR R.E. 329 Z-13

COUNTY SURVEYOR R.E. 329 R.M.-Z-13

44'-00"

PT. Z-13
SET C.S. 30" BRASS CAP MON. 14' DN. TOP BLUFF, S. SIDE TRAIL AT BULGE, & DOWN FROM HOUSE # 32200.

GRADED

171°

300' TAPE @ 84°
(1) 296.68 @ 5°-15' @ T=60° = 295.39
(2) 296.49 @ 4°-44' @ T=60° = 295.43
MEAN = 295.41

295.41

(2) 343°-28'-00"
(4) 326-56-00
(6) 310-24-00
171°-44'-00"

LINE

1X2 Chn. PT.

See FB 2100-120 For Ties 10-26-55 Van

(1) 317.82 @ T=62° = 317.81
(2) 317.82 @ T=62° = 317.81

317.81

BEACH CONTROL

FROM TOP PAGE 102

JHA 6-15-51

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309B 247 10M 1-49

F. B. 930 PG. 104 TO BOTTOM PAGE 105

TIE TO A MINCAID

See FB 2100-121 For Ties 10-28-55 - Kay

CHN. PT. SET BENT SPK IN LOW ROCK ON BEACH.

(300' TAPE @ 84°)

(1) 90.92 @ 2° 13' @ T = 60° = 85.31
(2) 89.94 @ 1° 25' @ T = 60° = 85.32 85.32

806.32

R.M. Z-14 SET C.S. 30" BRASS CAP MON. FLUSH - TOP BLUFF

LADDER TO BEACH

R.P. Z-14 SET L&T TOP BOULDER ON SIDE HILL

85.32

5° 9' 12.30"

40.16 TANG.

SET IX2 TOP BLUFF

(2) 350-42-20
(4) 341-24-30
(6) 332-06-50
175°-21'-10"

COUNTY SURVEYOR Z-14 R.E. 329

COUNTY SURVEYOR R.M. Z-14 R.E. 329

35.13

10.10

47.21

TRAIL

TO DEPOT

Z-14 PT.

SET C.S. 24" BRASS CAP MON. FLUSH TOP FLAT POINT. DOWN TRAIL FROM HWY. STA. 300+30

Honey Brown Bluff

15° 3' 23"

175°

(300' TAPE STD. @ 84°)

(1) 137.72 @ 13° 36' @ T = 60° = 133.84
(2) 136.90 @ 12° 06' @ T = 60° = 133.84

(2) 306-47-00
(4) 253-34-40
(6) 200-22-00
153°-23'-40"

30° 16' 10"

133.84

LINE

SET SMALL BT. SPK & W. IN Lead ON FLAT ROCK IN Beach

0.05

(100' TAPE)

(1) 107.548 @ T = 58° = 1075.41
(2) 1075.49 @ T = 58° = 1075.42

1075.41

300' TAPE @ 84°

← 366.77 @ T = 70° = 366.74

366.74

F.A. OLD CUT SPK. N. FACE of 5'X12' ROCK WALL 6'± ; SAID BY PROP. OWNER MR. WIRSCHING TO BE OLD

(2) 60-32-30
(4) 121-04-40
(6) 181-37-00
30°-16'-10"

RINGE LOT LINE REF. PT.

BEACH CONTROL

1075.41

SURVEY CONTROL
Δ STA. KINCAID (DUNE PT. EF 7)
CARD #1
F.B. 933-17
C.S. INDEX MAP #19
A STD U.S.C. & G.S. TABLET IN SANDSTONE - FLUSH (NOTE - ON PEAK OPPOSITE Z-11 BUT NOT VISIBLE FROM Z-11.

FROM Top Pg. 103

JHA - 6-24-51

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HSE 32504

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Date	Indexed [illegible]

F. B. 930 PG. 105

TO BOTTOM PAGE 106

COUNTY SURVEYOR R.E. 329 Z-15

See FB2100-122 For Ties 10-28-55-Van

1663.50

BEACH CONTROL LINE

CHN. PT. SET 1X2 ON BEACH

(300' TAPE @ 84°)
(1) 237.02 @ 5°-58 @ T=58° = 235.70
(2) 236.72 @ 5°-14 @ T=58° = 235.69
235.70

235.70

L.&T. PG.

R.P. #2
SET 1" I.P. & COP. WIRE CTR. IN CEM. ON LINE - 1" UP

TRAIL

HWY

ADDITIONAL TIES ON PAGE 172
C.V.C. 8-10-51

CORNER

CANYON TRAIL

PT. Z-15
SET C.S. 30" BRASS CAP MON. 2" DN. ON GRADED POINT DOWN CANYON FROM DOUBLE PICKET GATE - HOUSE #32504 OPP. HWY. STA. 290+63

32.53

106.8

GREEN BT. HOUSE SHED.

31.83

178°

GATE #32504

COAST

R.P. #1
SET 1" I.P. & COP. WIRE CTR. IN CEM. ON LINE 1" UP - EDGE BLUFF

(2) 356-10-10
(4) 352-20-30
(6) 348-30-40
178°-05'-05"

TOP BLUFF

SEE PG. 172

90.75

(1) 94.80 @ 16°-47 @ T=60° = 90.76
(2) 93.86 @ 14°-47 @ T=60° = 90.75
90.75

I.P.

SET 1X2 ON Beach

806.32

(1) 806.34 @ T=60° = 806.30
(2) 806.37 @ T=60 = 806.33
MEAN = 806.32

I.P.

FROM TOP PAGE 104 JHA 6-28-51

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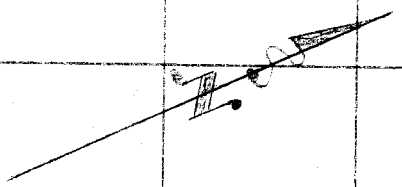
76F309S 247 10M 1-49

F. B. 930 PG. 106

TO BOTTOM PAGE 107

(1) 705.32 @ T=62° = 705.29
(2) 705.33 @ T=62 = 705.30
705.30

705.30 LINE



= B.M. ZB-19-PG. 150

SET BT. SPK. & Lead
TOP of BLACK SAND-
STONE JUTTING OUT
FROM BASE of CLIFF

P.2.T. Z-159

SET L.&T. ON 2'X2'
FLAT ROCK ON BEACH
± 8K6 E. of RD. DOWN FROM HWY
AS SHOWN ON PG. 107

41.98

47.27

BLACK Boulder

L.B. 331-192
B.M. C.S. 671

Fd. OLD CT. SPK.
TOP 6'X6'
ROUND BUFF
SAND STONE
BOULDER OUT
FROM BASE of
CLIFF ± 6'
Elev. PG. 150

See FB 2100-123
For Ties 10.28.53-RM

(1) 1663.60 @ T=59° = 1663.50
(2) 1663.59 @ T=59 = 1663.49
MEAN = 1663.50

1663.50 CONTROL

℄ BEACH

FROM TOP PAGE 105

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Date	Indexed C. Johnson

F. B. 750 PG. 107 → ZUMA BEACH, ET AL.

TO BOTTOM PAGE 108

(1) 603.06 @ T=60° = 603.03
(2) 603.07 @ T=60° = 603.04

84°
(300' TAPE)
(1) 298.29 @ 3°-29' @ T=60° = 297.62
(2) 298.13 @ 3°-11' @ T=60° = 297.63 } 297.65

Chn. PT.
SET 1X2 ON Beach

(2) 356°-51'-20"
(4) 353-43-00
(6) 350-35-00
178°-25'-50"

BEACH CONTROL LINE
603.03
297.65
50'
33.24
TAN.
25'
78°
140.88
705.30

COUNTY SURVEYOR
Z-16
R.E. 329

COUNTY SURVEYOR
R.M. Z-16
R.E. 329

R.M. Z-16
SET C.S. 24" BRASS CAP MON.
FLUSH-IN ROAD AT
TOP SLOPE.

SET L&T. TOP
4'X4' SAND STONE
BOULDER S. SIDE
SAND HILL.

PT.
Z-16
SET C.S. 30" BRASS
CAP MON. 12" DN. ON
SANDY PT. AT END DIRT
RD. TO BEACH.

See FB 2100-124
For Ties 10-31-55
Van

CANYON
54.56
DIRT RD
TANG.
450'
55°-55'-20"
SPIKWAY
10.0'
SET L&T. TOP
CONC. DAM

CHN. PT.
SET 1X2 ON BEACH

T=64°
(1) 57.62 @ 18°-46' = 54.56
(2) 56.57 @ 15°-21' = 54.56 } 54.56

(300' TAPE)
(1) 142.52 @ 8°-38' @ T=60° = 140.88
(2) 142.20 @ 7°-45' @ T=60° = 140.88

FROM TOP PAGE 106

JHA 6-29-51

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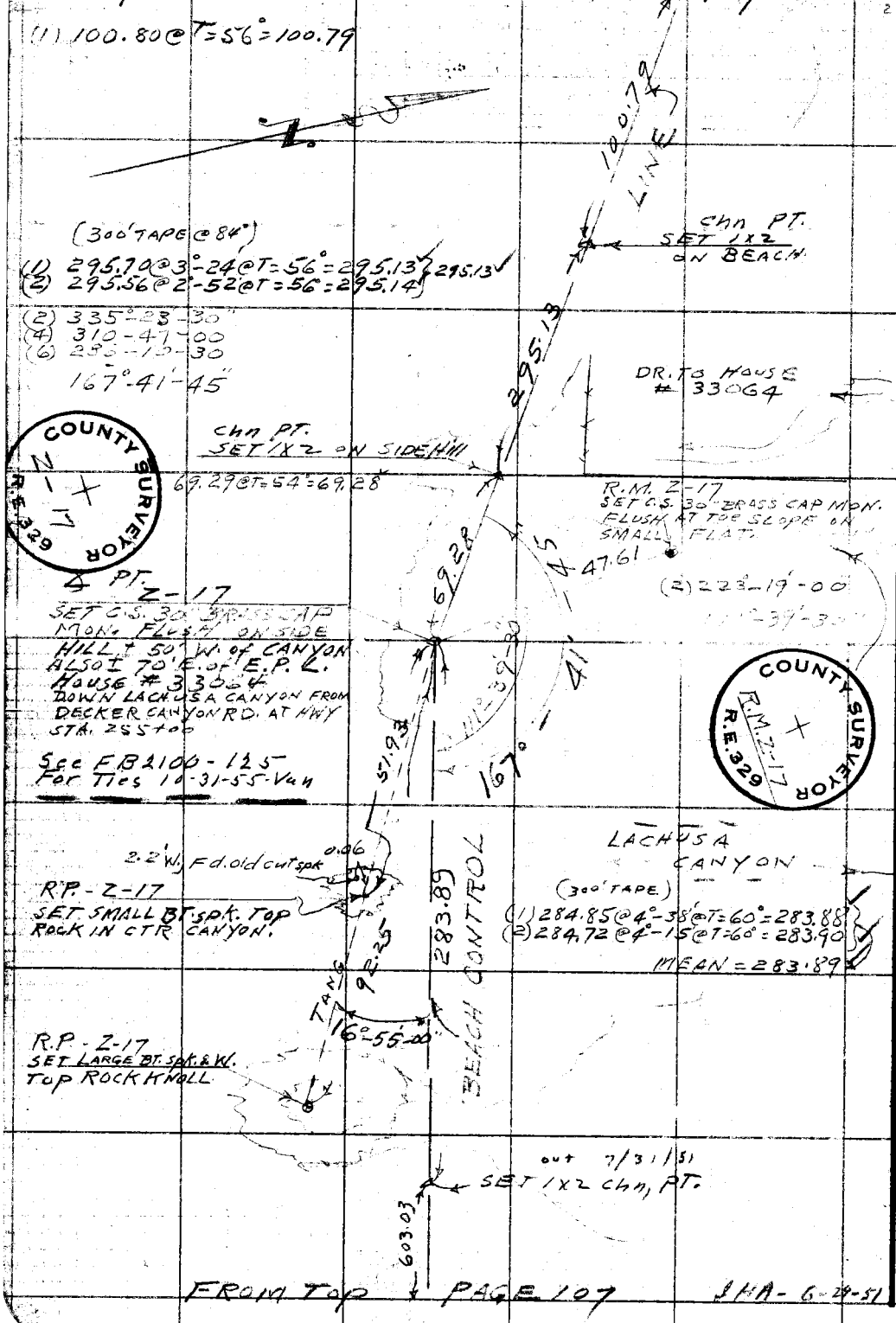
76F3095 247 10M 1-49

F. B. 930 PG. 108

TO BOTTOM PAGE 109

171-58-20
343-56-V

(1) 100.80 @ T = 56° = 100.79



FROM TOP PAGE 107

JHA - 6-29-51

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Survey of BEACH EROSION STUDIES
W. O. 8412 Tape No. 211 St'd 68 °F
Surveyed by C.V.C. CRUMLEY
Notes C.V.C. Date 5-3-51
C. Johnson
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F. B. 930 Pg. 109
ZUMA BEACH, ET AL.

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TO BOTTOM PAGE 110

(2) 343-56-40
(4) 327-53-30
(6) 311-50-20
171°-58'-20"
1X2 Chn. PT. ON BEACH.

LINE 874.01

(1) 297.48@2°-57'T=56=296.76
(2) 297.06@2°-29'T=56=296.75
(300' TAPE @ 84°)

COUNTY SURVEYOR R.E. 329 Z-18

CONTROL 296.75

GLASS ENCLOSURE

DRIVE GATE #33222

BROWN HOUSE ON BLUFF WITH RED BRICK CHIMNEY.

BRICK WALL

TOP SLOPE

TOE SLOPE

CANYON

4 PT. Z-18
SET C.S. 30" BRASS CAP MON. FLUSH TOP SAND DUNE AT MOUTH OF CANYON

For Triang. Tie See Pg. 85

See FB 2100-126 For Ties 10-3-55 Van

60.44

87.72

171°-40.69

SET SMALL BT. SPK. TOP 12"X12" JUTTING TIMBER

R.M. Z-18
SET C.S. 30" BRASS CAP MON. FLUSH ± 6' UP FROM TOE SLOPE OF SPUR.

34°-01'-05" ± 6.0

TOE SLOPE

1X2 Chn PT. ON SIDE HILL

109.98

COUNTY SURVEYOR R.M. Z-18 R.E. 329

(1) 297.63@2°-03'T=56=297.39
(2) 297.73@2°-33'T=56=297.39
(300' TAPE)

87.73@T=58°=87.72

TANG

BEACH

297.39

R.M. - Z-18
SET C.S. 24" BRASS CAP MON. 3" UP. TOP SLOPE

1X2 Chn PT. ON BEACH.

TIE
(1) 112.54@12°-12'@T=58°=109.98
(2) 112.92@13°-04'@T=58°=109.98
(300' TAPE)

100.79

(HOUSE) GATE #33212

TOP COR. TALL BUFF COLOR CHIMNEY
(MAY BE REBUILT LATER SAYS OWNER)

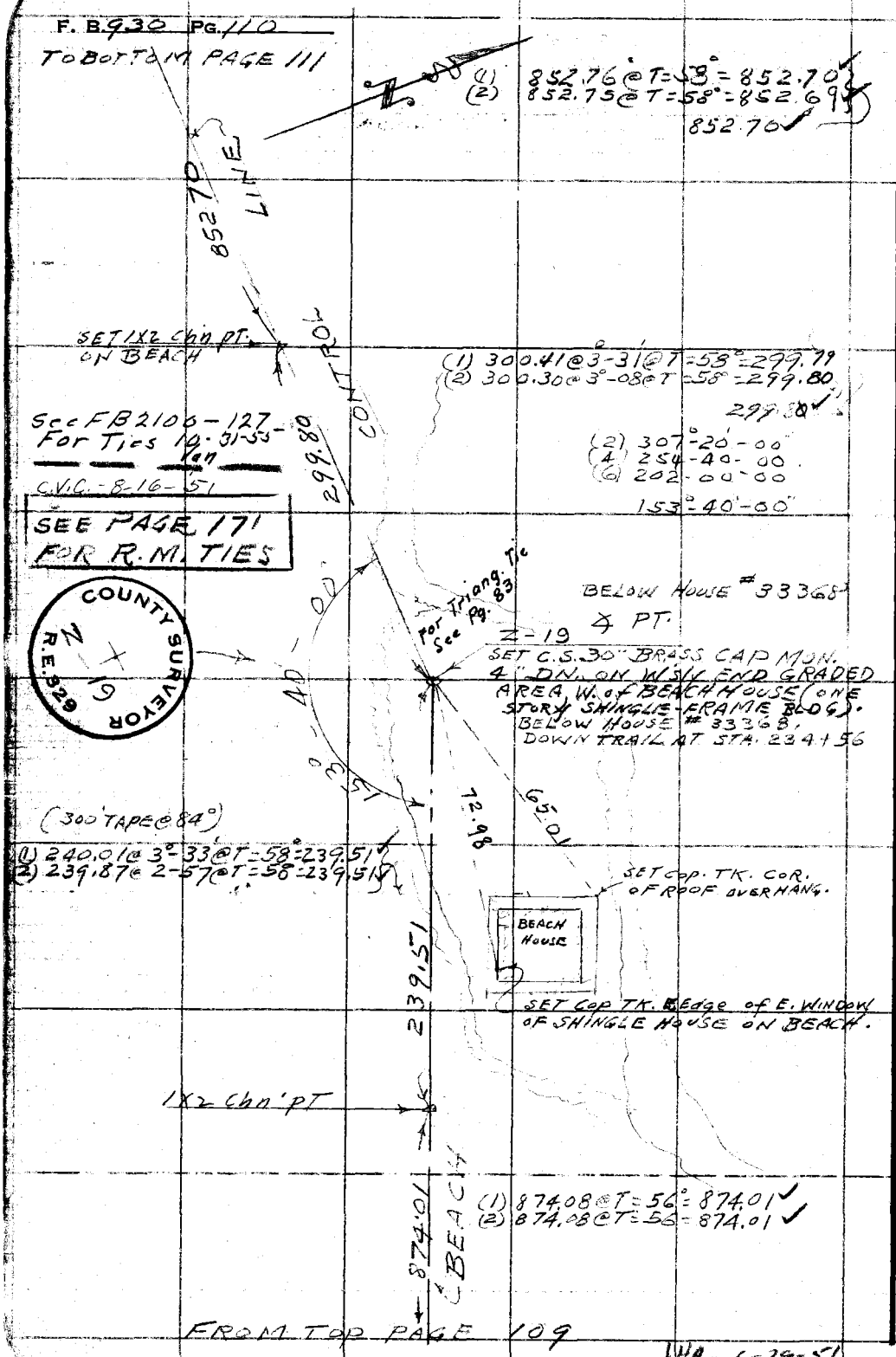
FROM TOP PAGE 103

6-29-51 JHA

76F3098 247 10M 1-49

F. B. 930 PG. 110

TO BOTTOM PAGE 111



572.06
201.7N

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Map No.	W. O. 84127 Tape No. 115 St'd 68 °F
Office Work H.U.M.M.	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 5-4-51
Date	Indexed A. C. Johnson

F. B. 930 PG. 111

TO BOTTOM PAGE 112

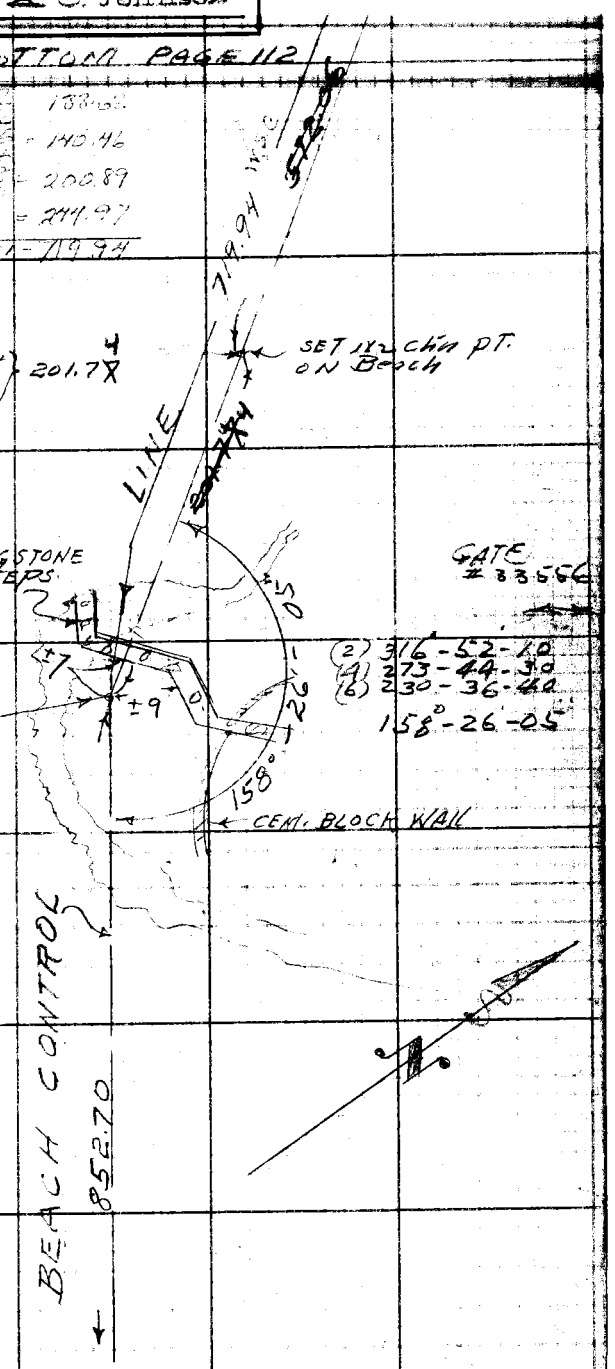
133.63 @ [illegible]	T 74	133.63	133.63
133.63 @ 0-[illegible]	T 74	133.63	
140.46 @ [illegible]	T 70	140.46	140.46
140.46 @ [illegible]	T 70	140.46	
201.02 @ 2°-00	T 70	200.88	200.89
201.03 @ 1°-56	T 70	200.90	
245.03 @ 1-07	T 72	244.96	244.97
245.02 @ 0-44	T 72	244.97	

Recharged by W.S.C. 7-17-51 - 719.94

(300' TAPE @ 84°)

(1) 201.92 @ 2°-15' @ T=60° = 201.76 } 201.74
(2) 201.87 @ 1°-42' @ T=60° = 201.78

349428.12



COUNTY SURVEYOR Z-20 R.E. 329

∡ PT Z-20
ON ROCK POINT
CEMENTED C.S. BRASS CAP IN TOP FLAT ROCK ±6' UP FROM BASE OF FLAGSTONE STEPS TO BEACH

See FB 2100-128
10-31-55 - Vay

FROM TOP PAGE 110

JHA 6-29-51

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

Do not extend notes this side of this line.

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

76F3098 247 10M 1-49

F. B. 930 PG. 112

TO BOTTOM PAGE 113

306
157

(1) 1243.88 @ T = 60° = 1243.82
(2) 1243.88 @ T = 60° = 1243.82

R.M.-Z-21
SET C.S. 30" BRASS CAP MON. 3" DN.
ON TANG. PROD. ON GRADED FLAT
C.V.C.-8-16-51

TRAIL

1243.82

LINE

CONTROL

97.00

97.00 @ T = 70° = 97.00

COUNTY SURVEYOR
R.M.Z-21
R.E.329

R.P.-Z-21-SET
LARGE BT. SPK. W. & T.
ON TANG. PROD.
IN PRE-MIX PAV.

B.M.
R.P.Z-21
SET LG. BT. SPK. W. & T.
AT 90° IN PAV.

(2) 306°-26-30"
(4) 252-53-20
(6) 199-20-10
153°-13'-20"

DITCH

44.23

BLUFF

PRE-MIX DR.
TO HWY

20.47

40.42
TAN.

20"

13'

90°

23.79

33.63

℄ PT.
Z-21
SET C.S. 30" BRASS
CAP MON. 16" DN
S. edge GRADED FLAT
E. of PAVED DR. DOWN
FROM COAST HWY.
AT STA. 214+25

R.M. Z-21
SET C.S. 30" BRASS CAP
MON. - DN
90° TO BACK LINE

See F.B. 2100-129
For Ties 11-2-55-Van

153°

90°

Hall 33608

COUNTY SURVEYOR
Z-21
R.E.329

(1) 572.10 @ T = 60° = 572.07
(2) 572.09 @ T = 60° = 572.06
572.06

719.94

~~572.08~~

BEACH

FROM TOP PAGE 111

JHA-6-29-51

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

Do not extend notes this side of this line.

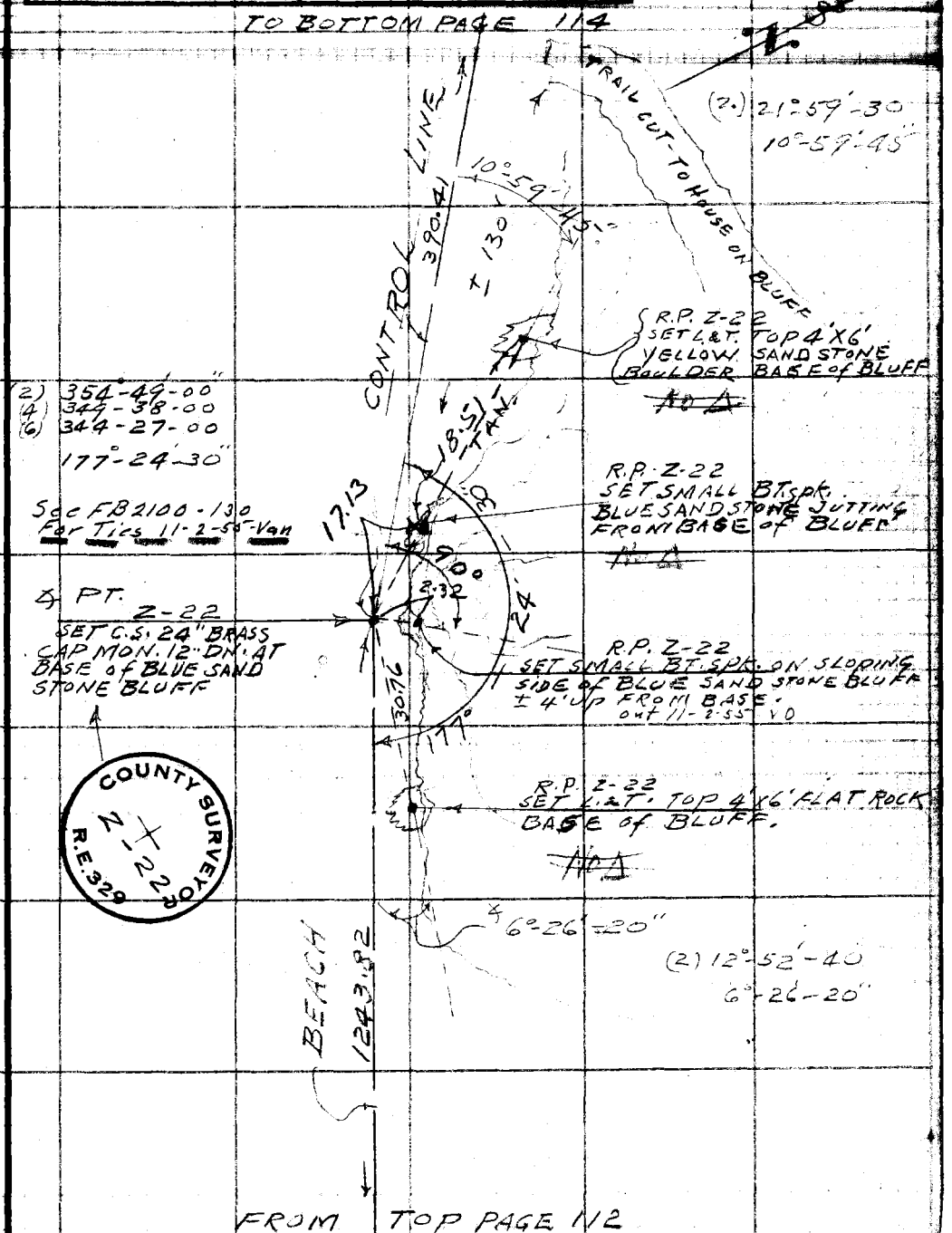
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 0115 St'd. 68 °F
Office Work H.U.M.H.	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 5-7-51
Date	Indexed C. Johnson

F. B. 930 PG. 113

ZUMA BEACH, ET AL.

35.64
17.13
.851



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

76F309B 247 10M 1-49

F. B. 930 PG. 114

TO BOTTOM PAGE 115

CONC. CULVERT DATED 1925

(1) 247.77 @ 6°-34' @ T=58° = 246.10
(2) 248.07 @ 7°-11' @ T=58° = 246.08 } 246.09

LINE

ENTER FROM (33836 Roosevelt Hwy.

OLD OIL ROAD TO COAST HWY.

See FB2100-131 For Ties 11-2-55 - Van

COUNTY SURVEYOR R.E. 329 Z-23

CONTROL 246.09

35

49

141°

(33836 HOUSE ON OLD COAST RD.

4 PT.

Z-23

SET C.S. BRASS CAP IN CEMENT-TOP FLAT ROCK, BASE OF SPUR JUTTING INTO OCEAN. ± 150' E. OF CONC. BOX CULVERT DATED 1925 ON HD WALL DOWN FROM COAST HWY AT ± 198+50 - GATE TO HSE #33836

(2) 283°-39'-10"
(4) 207-18-20
(6) 130-57-20
141°-49'-35"

291.55

HOUSE # 33834

(1) 291.82 @ 2°-16' @ T=58° = 291.54
(2) 291.74 @ 1°-47' @ T=58° = 291.55

1x2 chn pt.

TOP BLUFF

BEACH

390.41

(1) 390.44 @ T=58° = 390.41
(2) 390.45 @ T=58° = 390.42

FROM TOP PAGE 112

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

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JHA-6-29-51

Notes Ck'd by	Survey of BEACH FRONT STUDIES
Map No.	W. O. 8412 Tape No. 2115 Std. 68 °F
Office Work H U M H	Surveyed by C. V. CRUMLEY
Checked	Notes C.V.C. Date 5-7-51
Date	Indexed C. Johnson

F. B. 930 PG. 115

ZUMA BEACH, ET AL

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Do not extend notes this side of this line.

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

76F3098 247 10M 1-49

(1) 503.42 @ T-58° = 503.39 ✓
(2) 503.41 @ T-58° = 503.38 ✓

157.50 @ 70° = 157.49 ✓ Level

(1) 195.40 @ 6°22' @ T-66° = 194.18 ✓
(2) 195.34 @ 6°-11' @ T-66° = 194.18 ✓

58.14 @ T-66° = 58.09 ✓ (300' TAPE)

1x2 chiv PT. ON BEACH

(1) 299.62 @ 7°-15' @ T-58° = 297.17 ✓
(2) 299.31 @ 6°-46' @ T-58° = 297.18 ✓

1070.23

297.17

OLD COAST HWY

P.O.T. Z-23B
SET 3/4 I.P. WITH
COP. WIRE CTR. IN
CEM. - 6" DN

B.M. ZB-23
PG. 158.

GRADED FLAT.

28.78

28.89

6-1-23

1+3 - TOP SLOPE

+ 110

R.M. P.O.T. Z-23A
SET C.S. 24" MON. 2" UP
S. SIDE RD.
TOP OF SLOPE.

P.O.T. Z-23A
SET C.S. 30" BRASS
CAP MON. 6" DN
S. EDGE GRADED
FLAT (BLDG SITE)
TOP SPUR - W. SIDE
NICHOLAS CANYON

(1) 46°-13'-15"
(2) 192-26-30

157.50

NICHOLAS CANYON

CONC. CULVERT
DATED 1925

22'

30

58.09 T.H.

194.18

SET SPK. W. & T. IN RD.

ROAD

246.09

BEACH CONTROL

46°-13'-15"

COUNTY SURVEYOR
P.O.T. Z-23A
R.E. 329

COUNTY SURVEYOR
P.O.T. Z-23A
R.E. 329

See F.B. 2100-131
For Ties 11-2-55
Van

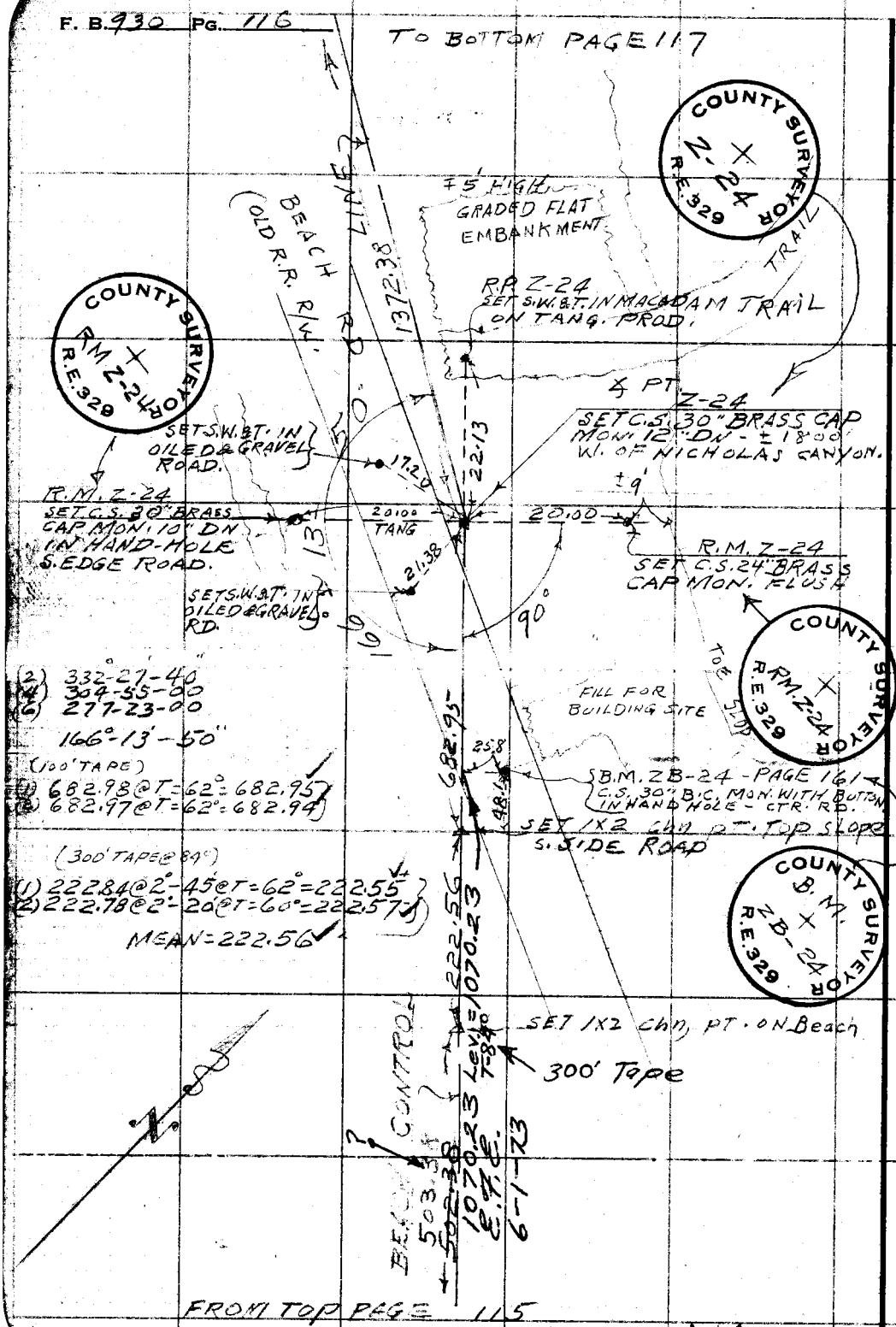
R.M. P.O.T. Z-23A
SET C.S. 24" BRASS CAP
MON. UP 3" ON PT. OF
RIDGE TOP OF R.R. CUT.
E. SIDE CANYON.

JHA-6-29-51

FROM TOP PAGE 114

F. B. 930 PG. 116

TO BOTTOM PAGE 117



25.8
52.3
682.95
100.00
782.95
52.3
730.65

100.4
52.3
48.1

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

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

JHA 6-29-51

147

Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8912 Tape No. 2115 Std. 68 °F
Office Work H. U. M. H.	Surveyed by C. V. CRUMLEY
Checked	Notes by C.V.C. Date 5-8-51
Date	Indexed C. Johnson

F. B. 930 PG. 117
↳ ZUMA BEACH, ET AL

TO BOTTOM PAGE 112

(300' TAPE E 84°)

(1) 300.21 @ 3°-36' @ T=64° = 299.42
(2) 300.05 @ 3°-36' @ T=64° = 299.42

MEAN 299.40

CHN PT. EDGE OLD HWY

(300' TAPE)

(1) 172.87 @ T=66° = 172.87
(2) 172.87 @ T=66° = 172.87

172.87 LINE

COUNTY SURVEYOR Z-25 R.E. 329

4 PT. Z-25
SET C.S. 30" BRASS CAP IN MON. 12" DN. AT BASE OF 5' GRAY SAND STONE LEDGE

BEACH

+5'

30"

36.88 TAN

8.54

R.P. SET SMALL BT. SPK. IN CEMENT TOP GRAY SANDSTONE LEDGE

R.M. Z-25 SET C.S. 24" BRASS CAP IN MON. FLUSH S. SIDE OLD HWY.

50

90°

69°

(2) 31.3-41-00
(4) 26.7-22-00
(6) 22.1-03-00

156°-50'-30"

COUNTY SURVEYOR R.M. Z-25 R.E. 329

1372.38

BEACH CONTROL

(1) 1372.40 @ T=64° = 1372.36
(2) 1372.44 @ T=64° = 1372.40

MEAN 1372.38

FROM TOP PAGE 116

OHA 6-29-51

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

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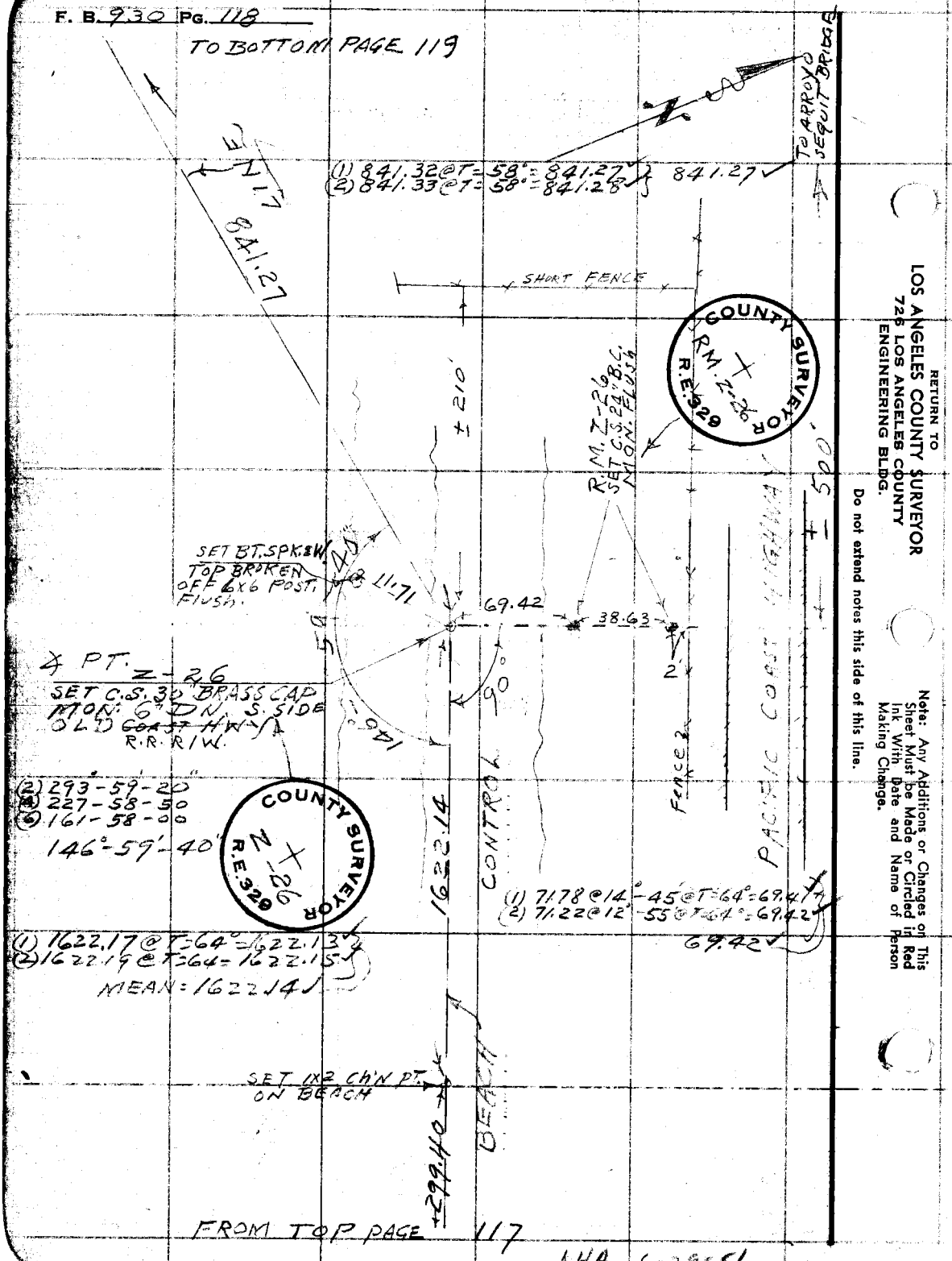
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3099 247 10M 1-48

F. B. 930 PG. 118

TO BOTTOM PAGE 119



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

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Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 0115 Std. 68 °F
Office Work H.U.M.H.	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 5-9-19-51
Date	Indexed C. Johnson

F. B. 930 PG. 119

ZUMA BEACH, ET AL)

TO BOTTOM PAGE 120

(300' TAPE)
(1) 154.71 Level @ T=64° = 154.69
(2) 154.71 @ Level @ T=64° = 154.69

154.69

LINE

(300' TAPE @ 84°)
(1) 207.81 @ 6°-29' @ T=60° = 206.45
(2) 207.49 @ 5°-38' @ T=60° = 206.46

SET Ch'n PT ON ROCK

COUNTY SURVEYOR
Z-27
R.E. 329

206.45

SET Cop. TK. COR. of HOUSE - ± 3' UP

48.73

25

4 PT.
Z-27

SET C.S. 24" BRASS CAP MON. 4" DN ON SEQUIT PT. SOUTH OF RESIDENCE

27'

41.39

FRAME HOUSE NEAR PT. SEQUIT.

160°

SET COP. TK. COR. OF HOUSE ± 3' UP.

83.87

(1) 83.87 @ T=60° = 83.87
(2) 83.87 @ T=60° = 83.87

1X2 Ch'n PT. TOP BLUFF

(300' TAPE @ 84°)
(1) 247.56 @ 6°-32' @ T=60° = 245.91
(2) 247.27 @ 5°-55' @ T=58° = 245.91

(2) 320°-54'-40"
(4) 281-49-40
(6) 242-44-50
160°-27'-25"

245.91

CONTROL

1X2 Ch'n PT. ON BEACH

BEACH

841.27

FROM TOP PAGE 118

JHA 6-29-51

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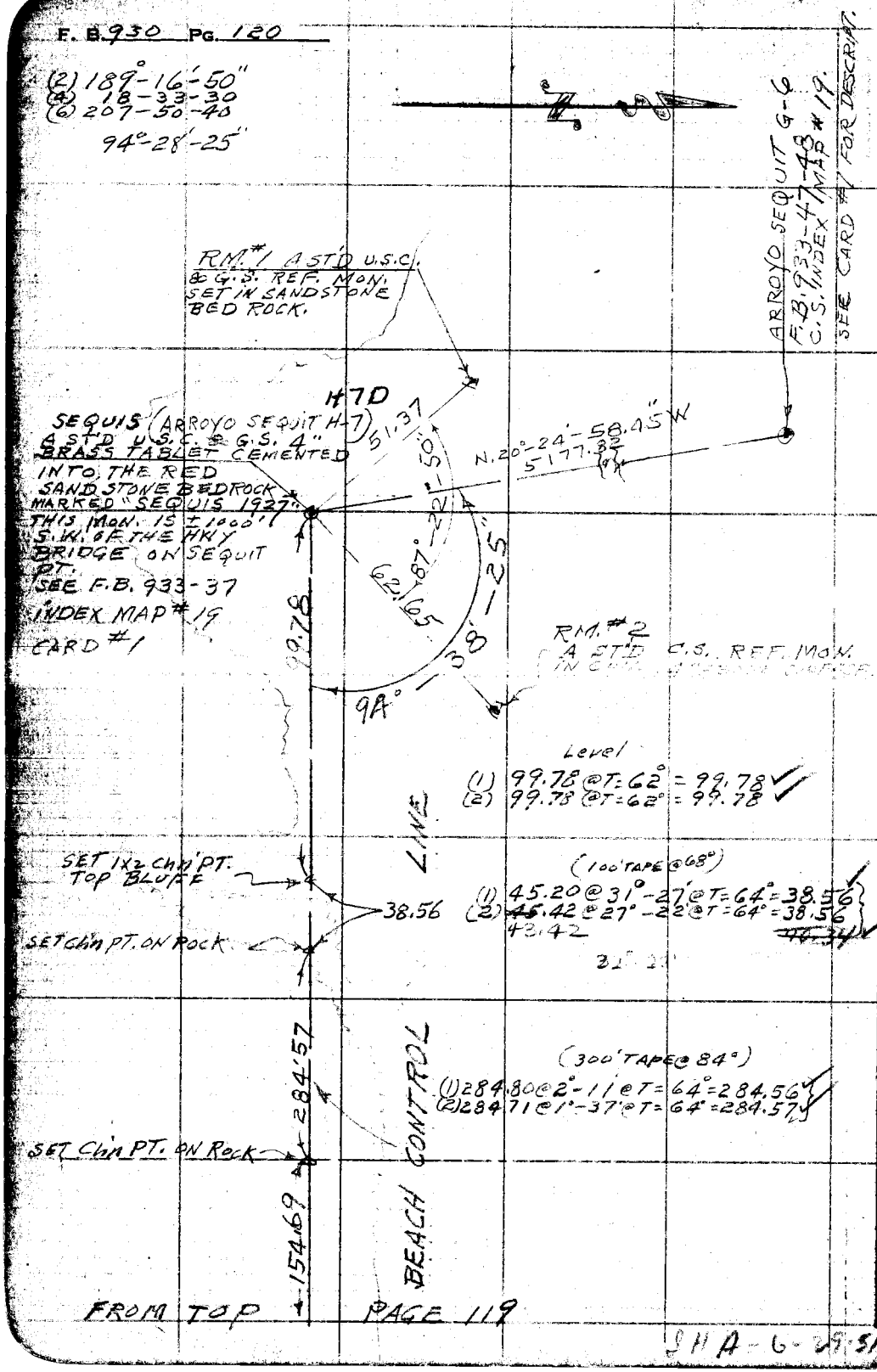
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 247 10M 1-49

F. B. 930 PG. 120

121-166
TO HUGH
8-10-51

(2) 189°-16'-50"
(4) 18-33-30
(6) 207-50-40
94°-28'-25"



FROM TOP PAGE 119

SHA-6-29-51

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

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NOTES RED JOB NO. 8412 SURVEY OF BEACH EROSION F.B. 93 Pg 121

DATE SURVEY BY

NOTES CHKD. V.G.J. NOTES BY DATE

DATE 4-13-53 INDEXED E. C. Johnson DATE 6-19-51

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

PLEASE RETURN TO LOS ANGELES COUNTY SURVEYOR 700 HALL OF RECORDS

Do not extend notes this side of this line

FORM 353 (M 7-43)

DESCRIPTION

J. N. 8412

"BEACH EROSION STUDIES"

(ZUMA BEACH, ET AL.)

FROM

POINT DUME

TO

POINT SEQUIT

B.M. LEVELS

ADJ. ELEV.

DATUM - MEAN SEA LEVEL

Elevations herein (Pgs. 121-166) are based on the 1941 U.S.C.&G.S. Adj. of U.S.C.&G.S. B.M. "K-583" (U.S.

3RD RUN

MAY - 1951

C.V. CRUMLEY

2ND RUN

J.N. DOUGHERTY

W.D. BAY - MAX NATAPOFF

H.J. ROBBINS

J.C. GOODWIN

DIFF.

To reduce to "Mean Lower Low Water" Datum add 2.74 Ft. to these elevs. (per E.T.M.) Santa Monica Tidal Staff

1ST RUN

B.M.

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
U.S. B.M. 3004	16.362				16.362	B.M. U.S. #3004 = K-583 _ Elev. 16.362 1942 ADJ.
+	3.711		3.711	3.698		ON ROOSEVELT HWY (U.S. 101 ALT) - 0.9 MI. W. of ZUMA
⊼	20.073	-0.940	-0.945	-0.945	- 0.945	CREEK BRIDGE & 12.0 MI. E. of BIG SYCAMORE CREEK
−	4.656		4.656	4.643		BRIDGE - A U.S.C. & G.S. STD BRASS DISC. IN 10x10
T.P.	15.417			T.P.	15.417	CONC. MON. ±5 E. of CULVERT STA. 470+25 & 42'
+	5.212		5.206			SOUTH ℄ HWY - FB 1445-50
⊼	20.629	+0.947	+0.949		+ 0.948	
−	4.265		4.257			
T.P.	16.364				16.365	T.P.
+	2.648		2.648	2.414		
⊼	19.012	-3.927	-3.938	-3.936	- 3.937	
∡ POINT	6.586		6.586	6.350	12.406	∡ PT. SEE PG 132
Z-4	12.426			N.G.		Z-4 Elev 12. Elev 10.12 4/15/58 - J.T
+	9.579		9.566			COAST HWY - ± 41' E. & ± 220' S. ℄ MORNING VIEW DR.
⊼	22.005	+4.539	+4.543		+ 4.541	S. END Co. BEACH PARKING AREA - TIES PG. 92
−	5.040		5.023		16.940	A C.S. 30" BRASS CAP MON. 12" DN. FOR NEW
T.B.M.	16.965					ELEV. Z-4 SEE F.B. 3790-146 5-20-70
+	4.601		4.584			T.B.M. - Elev.
⊼	21.566	-0.166	-0.168		- 0.167	COAST HWY - N.S.I. ±250 E. of MORNING VIEW DR
−	4.767		4.752			Fd. L&T. W. END Conc. HDWALL - Culvert #481+19 - PG. 92
T.P.	16.799				16.802	T.P.
+	5.636		5.626			
⊼	22.435	+2.366	+2.363		+ 2.365	
−	3.270		3.263		19.123	
T.B.M.	19.165					T.B.M. Elev - 19.123
+	6.164		6.154			STA. 488+28 - & 45± S. ℄
⊼	25.329	+1.926	1.930		+ 1.928	Cut SPK. N. SIDE P.P. = T.B.M. #4
−	4.238		4.224			F.B. 1445-50 - Elev. 19.200
T.P.	21.091				21.095	T.P. .123

NOTES RED. DATE
NOTES CHKD. U.O.I. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES ZUMA BEACH ET AL
SURVEY BY C.V. CRUMLEY DATE 5-14-51
NOTES BY C.V.C.
INDEXED E. C. Johnson DATE
8730 PG. 122

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	21.091				21.095	T.P. - PRECEDEING PG 122
+	5.135		5.127			
⊼	26.226	+0.613	+0.611		+ 0.612	
−	4.522		4.516			
T.P.	21.704				21.707	T.P.
+	5.282		5.282	5.272		
⊼	26.986	+0.870	+0.880	+0.882	+ 0.881	
−	4.402		4.402	4.390		
T.P.	22.584				22.583	T.P.
+	4.984		4.980			
⊼	27.568	+0.301	+0.303		+ 0.302	
−	4.683		4.677			
T.P.	22.885				22.890	T.P.
+	5.118		5.110	5.103		
⊼	28.003	−3.449	−3.458	−3.451	− 3.450	
−	8.567		8.568	8.554		
T.B.M.	19.436				19.390 ~~19.440~~	T.B.M. Elev. 19.39 F.B. 1445-1-7 R.R. SPK. (LG. BT. SPK & W.) TOP OF 1ST RING N. OF EXISTING MAINTENANCE BLDG. EAST ZUMA BEACH
+	6.803		6.789			
⊼	26.239	+4.833	4.833		+ 4.833	
−	1.970		1.956			
T.P.	24.269				24.273	T.P.
+	5.541		5.530			
⊼	29.810	+1.346	+1.347		+ 1.346	
−	4.195		4.183			
T.P.	25.615				25.619	T.P.
+	5.692		5.688			
⊼	31.307	+1.608	+1.612		+ 1.610	
−	4.084		4.076			
T.P.	27.223				27.229	T.P.

NOTES RED. _____ JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES F.B. 930 PG. 123
DATE _____ SURVEY BY CV. CRUMLEY ZUMA BEACH, ETAL
NOTES CHKD. V.Q.J. NOTES BY O.V.C. DATE 5-14-15-51
DATE 4-13-53 INDEXED A. C. Johnson DATE

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

29.915 .087 .028 — 893 826 .067 — .025 .893 .032

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	27.223				27.229	T.P. PRECEDEING PG. (123)
+	5.616		5.607			(SEE F.B. 1122-160
⊼	32.839	+2.664	2.663		+2.664	SEE F.B. 1445-51)
−	2.952		2.944		29.833	J-583 - ELEV. 29.833 - 1942 ADJ ✓
J-583	29.887				~~29.833~~	PACIFIC COAST HWY (ROOSEVELT HWY) & WESTWARD BEACH ROAD - N.W. COR. - A USC & G.S. STD BRASS DISC. IN N. WALK - E. END OF ZUMA CREEK BRIDGE. ALSO KNOWN AS DUME CREEK. - 6" N. OF U.S. 1312 (BELOW)
+	3.915		3.903			
⊼	33.802	+0.006	+0.006		+0.006	
−	3.909		3.897		29.826	L.A.Co. B.M. - U.S. 1312 - El. 29.826 - (1942 A.D.T.)
L.A.Co. B.M. US. 1312	29.893				~~29.833~~	PACIFIC COAST HWY (ROOSEVELT HWY) & WESTWARD BEACH ROAD - N.W. COR. - A 2" BRASS CAP STAMPED: - COUNTY SURVEYOR - R.E. 2177 - U.S.B.M. 1312" RESET 1938 - IN N. WALK - E. END OF ZUMA CREEK BRIDGE - 6" S. OF J-583 ABOVE.
+	4.542		4.533			
⊼	34.435	-2.619	-2.623		-2.621	
−	7.161		7.156			
SET B.M. ZB-#1	27.274				27.206	SET B.M. ZB-1 - Elev.
+	1.836		1.832		~~27.278~~	WESTWARD BEACH ROAD - (N. SIDE) - 117' SOUTH OF E. END PACIFIC COAST HWY ZUMA CREEK BRIDGE - A 5" BRASS DISC. IN CONC. MON. 12" DN. IN HANDHOLE - △ STA. DUME POINT - K-10A
⊼	29.110	-6.290	6.288		-6.289	
−	8.126		8.120			
T.P.	20.984				20.989	
+	2.711		2.697			
⊼	23.695	-6.722	-6.721		-6.722	
−	9.433		9.418		14.198	SET B.M. ZB-#2 - El.
SET B.M. ZB-#2	14.262				~~14.267~~	WESTWARD BEACH RD. B.C. STA. 8+07.36 (F.B. 1122-257)
+	6.505		6.493			
⊼	20.767	+1.205	+1.209		+1.207	C.S. BRASS CAP. MON. Flush - 30' E. ℄ & 8.5' E. of E. of Edge PAV. 807.36' S. ℄ COAST HWY. STA. I 517+61
−	5.300		5.284			
T.P.	15.467				15.474	
+	3.822		3.811			
⊼	19.289	-0.915	-0.916		-0.915	
−	4.737		4.727			
T.P.	14.552				14.559	T.P.

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES ZUMA BEACH, ET AL NOTES RED.
SURVEY BY C.V. CRUMLEY DATE 5-15-51 NOTES CHKD. U.Q.J.
NOTES BY C.V.C. DATE 4-13-53
INDEXED R. C. Johnson DATE

330 PG. 124

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	14.552				14.559	T.P. PRECEDEING PG.
+	5.064		5.055			
⊼	19.616	+0.504	+0.505		+0.504	SET.
SET −	4.560		4.550		14.998	B.M. ZB-#3-Elev.
B.M. ZB-#3	15.056				~~15.063~~	WESTWARD BEACH RD - 17+54.44 S. OF CO. HWY. A.C.S. BRASS CAP MON. - R.E. [illegible] FL. AT E. PL. ZUMA BEACH - 30.59 N.E. [illegible] & 2' W. OF CEM. BLOCK GATE PILL[illegible] F.B. 1122 [illegible]
+	4.643		4.624	4.607		
⊼	19.699	+1.288	+1.283	+1.284	+1.284	
−	3.355		3.341	3.323		
T.P.	16.344				16.348	T.P.
+	4.979		4.963			
⊼	21.323	+1.583	+1.579		+1.581	
−	3.396		3.384			
T.P.	17.927				17.929	T.P.
+	6.472		6.457			
⊼	24.399	+1.329	+1.330		+1.329	
−	5.143		5.127			
T.P.	19.256				19.258	T.P.
+	3.248		3.230			
⊼	22.504	−1.677	−1.677		−1.677	
−	4.925		4.907			
T.P.	17.579				17.581	T.P.
+	4.313		4.298			
⊼	21.892	−0.820	−0.824		−0.822	
∡PT. −	5.133		5.122		16.694	∡PT.
Z-3	16.759				~~16.759~~	Z-3. Elev. − (TIES PAGE [illegible])
+	6.250		6.250	6.243		WESTWARD BEACH RD. - 3919.88 W. OF
⊼	23.009	+1.189	+1.184	+1.184	+1.184	PT. DUME; ± 300' E. OF GATE & ROAD UP CANYON TO TOP OF BLUFF. — A.C.S. 24" BRASS CAP MON. 10" DN. IN HANDHOLE - S. [illegible]
−	5.066		5.066	5.059		
T.P.	17.943				17.943	T.P.

NOTES RED. DATE
NOTES CHKD. V.Q.J. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES
SURVEY BY C.V. CRUMLEY - ZUMA BEACH, ETAL.
NOTES BY DATE
INDEXED E. C. Johnson DATE
F.B. 930 PG. 125

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	17.943				17.943	T.P. SEE PRECEDEING PG.
+	5.376		5.354			
⊼	23.319	+0.704	+0.706		+ 0.705	
−	4.672		4.648			
T.P.	18.647				18.648	T.P.
+	6.138		6.129			
⊼	24.785	+3.723	+3.723		+ 3.723	
−	2.415		2.406			
T.P.	22.370				[illegible]	
+	9.133		9.127			
⊼	31.503	+5.674	+5.677		+ 5.675	
∡ PT. −	3.459		3.450		27.983	∡ PT.
Z-2	28.044				~~[illegible]~~	Z-2 Elev. (TIES PG. 88
+	1.606		1.587			PRIVATE RD. ON BEACH = CONTINUATION OF WESTWARD
⊼	29.650	−8.904	−8.904		− 8.904	BEACH RD. TO FLAT POINT ± 300' W. of HOUSE ON BEACH. A C.S. 30" BRASS CAP MON. 12" DN = ∡ PT Z-2 - PAGE 88. 2808.59 W. of POINT DUME.
−	10.510		10.491			
T.P.	19.140				19.142	T.P.
+	0.713		0.706			
Fd. ⊼	19.853	−2.587	−2.585		− 2.586	(△ STA - No RECORD OF ANY Elev)
U.S.C.&G.S. −	3.300		3.291		16.496	U.S.C.&G.S. "IDE-1933" - Elev.
"IDE-1933	16.553				~~16.556~~	PRIVATE RD. ON BEACH = CONTINUATION OF WESTWARD BEACH RD. TO FLAT POINT ± 300' W. of HOUSE ON BEACH 2808.59 W. of PT. DUME. & ± 90' SLY OF B.M. Z-2 - ABOVE. - A STD. 5" BRASS DISC. TOP OF SLY OF 2-6'X6' BOULDERS ON BEACH.
+	3.165		3.142			
⊼	19.718	−4.549	−4.548		− 4.549	
−	7.714		7.690		11.949	Fd.
Fd C.S.B.M. 678	12.004				~~12.004~~	C.S.B.M. #678 - Elev 12.495 - L.B. 428-2, 3 CUT SPK. W.&T. TOP OF ROCK 2'X1.5' AT FIRST ROCKY PT. ABOUT 30' EAST OF U.S.C.&G.S. "IDE-1933 - ABOVE.
+	9.367		9.358			
⊼	21.371	+7.122	+7.120		+ 7.121	
−	2.245		2.238			
T.P.	19.126				19.128	T.P.

Not 1942 datum

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES ZUMA BEACH, ET AL
SURVEY BY C.V. CRUMLEY DATE 5-15-17, 1951
NOTES BY E. C. Johnson DATE
INDEXED DATE
NOTES RED. DATE
NOTES CHKD. U.Q.J. DATE 4-13-53

B130 PG. 126

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	19.126				19.128	T.P PRECEDEING PG.
+	8.729		8.719	8.692		
⊼	27.845	+2.955	+2.950	+2.950	+ 2.950	
−	5.769		5.769	5.742		
T.P	22.076				22.078	T.P.
+	4.474		4.464			
⊼	26.550	+1.747	+1.747		+ 1.747	
−	2.727		2.717			
SET 4					23.772	SET 4 23.835
B.M.ZB-6	23.823				~~23.825~~	B.M. ZB-6 - Elev.
+	3.305		3.291			PRIVATE RD - CONTINUATION OF WESTWARD BEACH RD. - ±1600' W. OF DUME PG.
⊼	27.128	+0.661	+0.661		+ 0.661	A CUT CROSS IN SOUTH EDGE FLANGE TOP FIRE PLUG. S. SIDE RD.
−	2.644		2.630			
T.P.	24.484				24.486	T.P.
+	5.086		5.077			
⊼	29.570	+1.169	+1.169		+ 1.169	
−	3.917		3.908			
T.P.	25.653				25.655	T.P.
+	6.425		6.413			
⊼	32.078	+2.633	+2.633		+ 2.633	
−	3.792		3.780			
T.P.	28.286				28.288	T.P.
+	4.350		4.343			
⊼	32.636	−1.737	−1.739		− 1.738	
−	6.087		6.082			
T.P.	26.549				26.550	T.P.
+	2.106		2.088			
⊼	28.655	−8.262	−8.260		− 8.261	
−	10.368		10.348			
T.P.	18.287				18.289	T.P.

NOTES RED. DATE
NOTES CHKD. U.Q.J. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES ZUMA BEACH ETAL
SURVEY BY C.V. Crumley DATE 5-17-51
NOTES BY C.V.C. INDEXED A. C. Johnson DATE
F.B. 930 PG. 127

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

5.652
3.283
2.369

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	18.287				18.289	T.P. PRECEDEING PG.
+	1.090		1.078			
⊼	19.377	-8.639	-8.692		-8.690	SET TIES PAGE 87
−	9.779		9.770			
P.O.T. Z-1A	9.598			N.G. →	9.550	P.O.T. Z-1A Elev. POINT DUME AT S.W. CLIFF ON BEACH - 45' N. OF FACE, & 15' S.W. of TOE SLOPE - DIRT BANK.
+	3.704		3.687			A.C.S. 30" BRASS CAP MON. 18" DN. 67.59'
⊼	13.302	+0.037	+0.037		+0.037	N. OF B.M. ZB-5 (N.G. Mon Reset 4-29-70 S.EE F.B. 3790-142 FOR NEW ELEV.)
SET −	3.667		3.650			SET
B.M. ZB-5	9.635				9.588	B.M. ZB-5 - Elev
+	6.226		6.219			POINT DUME - AT S.W. CLIFF ON BEACH. BT SPK. & W. IN LEAD ON SHELF AT BASE OF CLIFF.
⊼	15.861	+4.600	+4.602		+4.601	9' N.E. FROM POINT of CLIFF AT WATER LINE - HT. = TIE PT. TO P.O.T. ABOVE - PG. 87
−	1.626		1.617			(67.59' Tie)
T.P.	14.235				14.237	T.P.
+	11.851		11.851	11.824		
⊼	26.086	+10.567	+10.562	+10.562	+10.562	
−	1.289		1.289	1.262		
T.P.	24.797				24.799	T.P.
+	6.776		6.771			
⊼	31.573	+3.190	3.191		+3.190	
−	3.586		3.580			
T.P.	27.987				27.989	T.P.
+	5.010		5.001			
⊼	32.997	-1.013	-1.013		-1.013	
−	6.023		6.014			
T.P.	26.974				26.976	T.P.
+	3.295		3.290			
⊼	30.269	-2.373	-2.373		-2.373	
−	5.668		5.663			
T.P.	24.601				24.603	T.P.

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES ZUMA BEACH, ETAL
SURVEY BY C.V. CRUMLEY DATE 5-17-51
NOTES BY C.V.C. DATE
INDEXED A. C. Johnson DATE
NOTES RED. DATE
NOTES CHKD. V.Q.J. DATE 4-13-53
P.B. 930 PG. 128

FORM 353 1M 8-45

23.823

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

9
3
8
20
7

35-37

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

4.279

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	24.601				24.603	T.P. PRECEDEING PG.
+	3.532		3.520	3.492		
⊼	28.133	-0.789	-0.783	-0.788	-0.787	
−	4.321		4.303	4.280		
ZB 4 ~~6~~	23.812				23.772 ~~23.816~~	23.835 ZB 4 ~~6~~ - Elev. 23.835 - PG. 127
+	2.767		2.750			A CHISELED CROSS ON S. EDGE FLANGE - TOP
⊼	26.579	-1.392	-1.392		-1.392	OF FIRE PLUG - ±1600' W. POINT DUME.
−	4.159		4.142			
T.P.	22.420				22.424	T.P.
+	6.924		6.915			
⊼	29.344	+5.600	+5.600		+5.600	
−	1.324		1.315			
∡PT. Z-2	28.020				27.988 ~~28.024~~	28.056 ∡PT. Z-2 - Elev. 28.056 PAGE 126
+	2.187		2.183	2.173		
⊼	30.203	-8.007	-8.001	-8.001	-8.001	
−	10.184		10.184	10.174		
T.P.	20.019				20.02[illegible]	T.P.
+	3.607		3.592			
⊼	23.626	+0.227	+0.227		+0.227	
−	3.380		3.365			
T.B.M.	20.246				20.210 ~~20.250~~	T.B.M. - CHISEL "V" ON S. SIDE FLANGE
+	2.667		2.664			TOP FIRE PLUG ± 100' W. of 2 STORY HOUSE
⊼	22.913	-2.756	-2.755		-2.756	ON BEACH. INSIDE GATE.
−	5.423		5.419			
T.P.	17.490				17.494	T.P.
+	4.703		4.679			
⊼	22.193	-0.760	-0.762		-0.761	
−	5.463		5.441			
∡PT. Z-3	16.730				16.694 ~~16.734~~	∡PT. Z-3 - Elev. PAGE 1[illegible]
						∡PT. Z-3 - MON. IN HAND HOLE [illegible]

NOTES RED. DATE
NOTES CHKD. U.Q.U. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES
SURVEY BY C.V. PRUNELLI
NOTES BY C.V.C. DATE 5-18-51
INDEXED E. C. Johnson DATE
ZUMA BEACH, ETA
F.B. 930 PG. 129

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
∡PT. Z-3	16.730				16.694	∡PT. Z-3 PGS. 125, 129.
+	5.123		5.110			
⊼	21.853	+2.539	+2.538		+2.539	
−	2.584		2.572			
T.P.	19.269				19.272	T.P.
+	3.125		3.117			
⊼	22.394	−0.275	−0.273		−0.274	
−	3.400		3.390			
T.P.	18.994				18.998	T.P.
+	5.454		5.438			
⊼	24.448	−1.020	−1.019		−1.020	
−	6.474		6.457			
T.P.	17.974				17.978	T.P.
+	3.143		3.133			
⊼	21.117	−1.801	−1.802		−1.802	
−	4.944		4.935			
T.P.	16.173				16.176	T.P.
+	3.832		3.819	3.812		
⊼	20.005	−1.138	−1.143	−1.140	−1.139	
−	4.970		4.962	4.952		
B.M. ZB-3	15.035				14.998	B.M. ZB-3 - Elev PG. 125
+	2.642		2.624			
⊼	17.677	−1.590	−1.593		−1.591	
SET −6	4.232		4.217		13.409	SET 6
B.M. ZB-9	13.445					B.M. ZB-9 - Elev
+	1.339		1.430			ZUMA BEACH - ±260' W. of Co. S.P.L.
⊼	14.784	−3.298	−3.300		−3.299	BT SPK BT. TOP PILING S.E. COR. LIFE GUARD
−	4.637		4.730			STA. #1 - TIE PT. TO P.O.T. #Z-3A-PG 90
T.P.	10.147				10.146	T.P.
						BT. SPK. S. SIDE 4th TEL. P.E. of GUARD HSE #2

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES ZUMA BEACH, ET AL.
SURVEY BY C.V. CRUMLEY DATE 5-21-51
NOTES BY C.V.C. DATE
INDEXED A. C. Johnson DATE
NOTES RED. DATE
NOTES CHKD. U.Q.J. DATE 4-13-53

B.930 PG. 130

FORM 353 1M 8-45

17.12
16.90
.31

L.A.Co. 2470 = #3

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

Do not extend notes this side of this line.

4894383.2 18' E
715' S.

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

3.66
3.39
.27
.03 18

NOTES RED. DATE
NOTES CHKD. DATE 4-13-53
INDEXED DATE

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES
SURVEY BY U.S.C.&G.S. DATE 5-22-37
NOTES BY C.M.C. ZUMA BEACH, CALIF.
B. C. Johnson DATE

F.B. 930 PG. 39

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	10.147				10.146	T.P. PAGE 13
+	2.020		2.006			
⊼	12.167	-2.073	-2.071		-2.072	
−	4.093		4.077			
T.P.	8.074				8.074	T.P. - BT. SPK. S. Side 1st Pole W. of NW Corner House #2
+	3.749		3.728	3.707		
⊼	11.823	+0.145	+0.139	+0.139	+0.142	
−	3.604		3.589	3.568		
T.P.	8.219				8.213	T.P.
+	5.822		5.811			
⊼	14.041	+5.099	+5.101		+5.100	
−	0.723		0.710			
T.P.	13.318				13.313	T.P.
+	7.641		7.630			
⊼	20.959	+3.894	+3.893		+3.894	
−	3.747		3.737		17.178	SET BM ZB-7 - Elev. - Pacific Coast Hwy at Zuma Beach L.A. Co. Comfort Sta. Bldg. # 2471 on Pacific Coast Hwy Sta. 489+38.3 and House #3 on Beach - Hwy Sta. 489+00 BT. SPK. & Lead 1' N. of S. Edge Conc. Pavement of Hwy 23' E. of E. Edge Bldg. F.B. W.S.-49
SET BM ZB-7	17.212				17.207	
+	3.391		3.378			
⊼	20.603	-3.337	-3.335		-3.336	
−	6.728		6.713			
T.P.	13.875				13.871	T.P.
+	2.113		2.103			
⊼	15.988	-4.220	-4.219		-4.219	F.B. W.S.-49
SET ZB-11 −	6.333		6.322		9.625	SET P.O.T.Z-3B. Elev Pacific Coast Hwy ± Sta. 489+38.3 at Zuma Beach L.A. Co. Comfort Sta. Bldg. # 2471 - South Bldg. 18-4x4 Sht. with BT. SPK. & W. - 29 - E. 31.5 S. & 18' E. of E. Bldg. F.B. W.S. 71
P.O.T.Z-3B	9.655				9.650	
+	8.054		8.043			
⊼	17.709	+5.059	+5.059		+5.059	
−	2.995		2.984		14.686	T.B.M. Elev. 1.18' E. of E. Bldg. 6" S.S.S. Face 2' above Bldg. Large BT. SPK. & W. S. End Wall of Bldg. F.B. T2 P.G. 2-66 37
SET T.B.M.	14.714				14.709	

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

NOTES RED. DATE
NOTES CHKD. U.Q. DATE 4-13-53
SURVEY OF BEACH EROSION STUDIES 7 ZUMA BEACH ETAL
SURVEY BY C.V.C. TRUMLEY DATE 5-22-51
NOTES BY A.C. Johnson DATE
INDEXED DATE
JOB NO. 8412
M.B. 330 Pg. 132

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M.	14.714				~~14.685~~ 14.711	T.B.M. PAGE 131
+	2.911		2.893			
⊼	17.623	-5.052	-5.054		-5.053	
−	7.963		7.947			
T.P.	9.660				9.658	T.P.
+	3.528		3.512			
⊼	13.188	+1.049	+1.049		+1.049	
−	2.479		2.463			
T.P.	10.709				10.707	T.P. SPK. S. Side Light Pole - S. of HD QTR. BLDG.
+	6.963		6.954			
⊼	17.676	+1.721	+1.719		+1.720	
4 PT. −	5.242		5.235	NG →	~~12.466~~ 12.442	PT 12.442
Z-4	12.424				~~12.467~~	Z-4 Elev. PG 122
+	5.983		5.969			COAST HWY - ± 41' E. & ± 20' S. & MARNING VIEW DR. INTER. S.E. END CO. BEACH PARKING AREA. TIES PAGE 92: A.C.S. 3½" BRASS CAP MON. 12" DN.
⊼	18.407	+0.733	+0.736		+0.732	FOR NEW ELEV. ON Z-4 SEE
−	5.250		5.239			
T.P.	13.157				13.159	T.P. F.B. 3790 - 146 (MW) 5-20-70
+	4.973		4.955			
⊼	18.130	-0.367	-0.368		-0.367	
−	5.340		5.323			
T.P.	12.790				12.792	T.P.
+	7.280		7.259			PG 122
⊼	20.070	+3.570	+3.572		+3.571	16.376
−	3.710		3.687		16.362	U.S. 1942 ADJ.
U.S. BM. 3004	16.360				~~16.363~~	BM. 3004 = K-583 - Elev. 16.362 COAST HWY - 5' E. STA. 47+25 CULVERT 42' S.E. - SEE PAGE 122
						A U.S.C.&G.S. STD DISC. IN CONC. - FLUSH

FORM 353 1M 8-45

30244 7.980

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line. 19 3 57

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						1942 ADJ
U.S. 3004	16.362				16.362	U.S. 3004 = K-583 (USC & G.S.) El. 16.362
+	3.456		3.432			SEE PG. 122 & 132
⊼	19.818	-4.416	-4.416		-4.416	
−	7.872		7.848			
T.P.	11.946				11.946	T.P.
+	5.562		5.547			
⊼	17.508	+1.164	+1.164		+1.164	
−	4.398		4.383			
T.P.	13.110				13.110	T.P.
+	4.265		4.254			
⊼	17.375	-3.230	-3.230		-3.230	
−	7.495		7.484			
T.P.	9.880				9.880	T.P. BT. SPK. Top 1st Piling S.W. of Drinking Hydt.
+	2.450		2.441			− ∓ 140' E. GUARD HOUSE #5
⊼	12.330	-4.053	-4.053		-4.053	
−	6.503		6.494			
P.O.T. Z-4A	5.827				5.815 ~~5.827~~	P.O.T. Z-4A - Elev.
+	7.979		7.965			PACIFIC COAST HWY AT ZUMA BEACH WEST.
⊼	13.806	+4.552	+4.552		+4.552	AN 18"-4x4" STK. & BT. SPK. 30" D. ±14 S LIFE GUARD HOUSE #5 - TIES PG. 93
SET. −	3.427		3.413			
B.M. ZB-8	10.379				10.364 ~~10.379~~	SET. B.M. ZB-8 Elev.
+	3.116		3.097			PACIFIC COAST HWY AT ZUMA BEACH WEST
⊼	13.495	+0.979	+0.976		+0.977	BT. SPK. W. & T. TOP OF PILING, TIE PT. S.E. COR. OF LIFE GUARD HOUSE #5 - PG. 93
−	2.137		2.121			
T.P.	11.358				11.356	T.P. BT. SPK. S. Side Beach Light Pole
+	2.847		2.840			W. end PARKING AREA ±35' E. OF L.P. FENCE
⊼	14.205	-1.006	-0.996		-0.998	TO HOUSE #30244 - & opposite HWY
−	3.847		3.836			CULVERT STA. 458+25
T.P.	10.358				10.358	T.P. - BT. SPK. S. Side LIGHT Pole
						S.E. COR. 4' LINK FENCE ON BEACH

NOTES RED. JOB NO. 8412 SURVEY OF BEACH, ERUSION STUDIES
DATE SURVEY BY [illegible] ZUMA BEACH, ET AL
NOTES CHKD. V.Q.J. NOTES BY C.V.C. DATE 5-22-51
DATE 4-13-53 INDEXED A. C. Johnson DATE

F.B. 930 PG. 133

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

446+76.92
+37
+13.92

4' South
21.5 E

118.56
43.66
162.22

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	10.358				10.358	T.P PAGE 133
+	3.083		3.065			
⊼	13.441	-0.873	-0.875		-0.874	
−	3.956		3.940			
T.P	9.485				9.484	T.P. Nail in White F.P.
+	2.903		2.891			
⊼	12.388	+1.268	+1.268		+1.268	
SET −	1.635		1.623		10.725	SET
T.B.M	10.753				~~10.752~~	T.B.M. - BT. SPK. Top Piling - S.W. COR
+	2.724		2.704			Life GUARD HOUSE # 6.
⊼	13.477	-3.253	-3.251		-3.252	
P.O.T. −	5.977		5.955		7.470	P.O.T. (TIES PAGE 94)
Z-4B	7.500				~~7.500~~	Z-4B.-Elev.
+	6.647		6.629			PACIFIC COAST HWY - ± 447+14 & 162.22
⊼	14.147	+4.115	+4.115		+4.115	S. of SPK. IN CTR. STRIP. - ALSO 21.5' E. & 47.7' S. OF L.A. Co. COMFORT STA. BLDG. #2474 - F.B. 1445 - PG. 43
SET −	2.532		2.514		11.582	A.C.S. 30" BRASS CAP MON. 18" DN.
B.M.ZB-9.	11.615				~~11.615~~	B.M. ZB-9 - Elev
+	1.543		1.530			LARGE BT. SPK & W. IN Macadam Walk.
⊼	13.158	-2.105	-2.107		-2.106	43.66' N. of P.O.T. Z-4B ABOVE. & 4' S & 21.5 E
−	3.648		3.637			OF L.A. Co. TOILET BLDG # 2474 ABOVE.
T.P.	9.510				9.509	T.P.
+	6.372		6.353			
⊼	15.882	+1.747	+1.747		+1.747	
−	4.625		4.606			
T.P.	11.257				11.256	T.P. BT. SPK. N. SIDE 1st Light Pole E. of
+	1.961		1.937			GUARD HOUSE # 7
⊼	13.218	-3.478	-3.475		-3.477	
−	5.439		5.412			
T.P.	7.779				7.779	T.P.

16

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES / ZUMA BEACH, ET AL.
SURVEY BY C.V. CRUM DATE 5-23-51
NOTES BY DATE
INDEXED A. C. Johnson DATE
NOTES RED. DATE
NOTES CHKD. U.O.J. DATE 4-13-53

930 PG. 134

FORM 353 1M 8-45

16.6 E — 3.6 S.

434-30
+30
434-60

601
527
574

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	7.779				7.779	T.P. PAGE 134
+	4.214		4.189			
⊼	11.993	-1.732	-1.731		-1.731	TIES-PAGE 95
P.O.T. —	5.946		5.920		6.003	P.O.T. Z-4C-Elev.
Z-4C	6.047				~~6.048~~	PACIFIC COAST HWY. & GUERNSEY AVE.
+	6.121		6.075			170' E. & 252' S. - (± 434+60) - ALSO 16.6 E. OF
⊼	12.168	+5.658	+5.656		+5.657	& 140.6 S. OF E. edge C.A. Co. Toilet BLDG.
SET -	0.463		0.419			#2475 - F.B. 1445-44.
					11.657	AN 18" 4 X 4 STK. WITH BT. SPK. & W. 24" DIA.
B.M. ZB-10	11.705				~~11.705~~	TIES PAGE 95
+	1.826		1.733			SET
⊼	13.531	-0.285	-0.288		-0.287	B.M. ZB-10-Elev.
—	2.111		2.021			137.07 N. OF ABOVE B.M. & 16.6' E. & 3.6
T.P.	11.420				11.418	OF TOILET BLDG. #2475 AT STA. 4 [illegible]
+	6.469		6.510			A LARGE BT. SPK. & W. IN MACADAM [illegible] SND
⊼	17.889	+1.849	+1.849		+1.849	TIE PT. PER PG. 95 -
PT. DUME	4.620		4.661		13.213	BLDG #2475 - F.B. 1445-44
H9A	13.269				~~13.269~~	△ STA.
+	6.172		6.210			PT. DUME-H9A Elev.
⊼	19.441	+3.657	+3.653		+3.655	COAST HWY. ± 475' E. OF TRANCAS CREEK BRIDGE
—	2.515		2.557			F.B. 1652 - TIES F.B. 930-96.
T.P.	16.926				16.922	A ST'D BRASS DISC. IN 12" X 12" CONC. MON. - FLUSH
+	5.588		5.525			15' S. of S. edge of CONC. PAV.
⊼	22.514	+1.666	+1.664		+1.665	
Fd. —	3.922		3.861		18.527	Fd
U.S. 1314	18.592				~~18.587~~	U.S.C. & G.S.
+	2.355		2.165			U.S. 1314 - Elev. 18.527 - 194[illegible]
⊼	20.947	-7.418	-7.419		-7.418	DUME CREEK (= ZUMA CREEK) 1.8' [illegible]
—	9.773		9.584			TRANCAS CREEK, ON STATE HWY. [illegible]
T.P.	11.174				11.169	#5327 AT W. END OF WALK, S. [illegible]
						BRONZE TABLET STAMPED [illegible]
						1938
						SEE F.B. 1445-49 [illegible]
						T.P.

NOTES RED. DATE
NOTES CHKD. [illegible] DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES
SURVEY BY C.V. CRUMLEY
NOTES BY C.V.C. DATE 5-24-51
INDEXED R. C. Johnson DATE
ZUMA BEACH, ET AL.
F.B. 930 PG. 135

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	11.174				11.169	T.P. + 4.245
+	1.060		0.960			3.298
⊼	12.234	-4.252	-4.253		-4.252	
Fd. # P-1 −	5.312		5.213		6.860	Fd. # P-1 - Elev. 6.87 - F.B. 1122-252
	6.922				~~6.917~~	COAST HWY. - W. SIDE TRANCAS CREEK BRIDGE
+	5.613		~~5.533~~	5.662		ON EAST PROP. LINE OF HOUSE # ? 233.00 SOUTH
⊼	12.535	+1.893	~~+1.901~~	+1.893	+1.893	OF L&T. ON BROAD BEACH RD. PROD. PER 1122-149
−	3.720		~~3.632~~	3.769		A.C.S. BRASS CAP MON. 3" DN. ← TIES
T.P.	8.815				8.810	T.P.
+	4.676		4.642			
⊼	13.491	-1.684	-1.683		-1.684	
∡PT −	6.360		6.325		~~7.072~~ N.G	TIES PAGE 96
Z-5 −	7.131				~~7.126~~	∡PT. Z-5 - ELEV.
+	5.870		5.810			COAST HWY. & TRANCAS CREEK - OPPOSITE
⊼	13.001	+1.140	1.137		+1.139	ENTRANCE TO COUNTRY STORE ± 170' S. OF S. SIDE
−	4.730		4.673			BROAD BEACH RD.
						A.C.S. 30" BRASS CAP MON. 18" DN.
T.P.	8.271				8.265	T.P. FOR NEW ELEV. ON Z-5
+	5.832		5.780			SEE F.B. 3790-150 5-22-70
⊼	14.103	+1.716	+1.717		+1.716	
−	4.116		4.063			
T.P.	9.987				9.981	T.P.
+	4.245		4.310			
⊼	14.232	+0.947	+0.947		+0.947	
SET −	3.298		3.363		10.879	SET
BM.ZB-11	10.934				~~10.928~~	B.M.ZB-11 - ELEV.
+	2.238		2.334			BROAD BEACH RD. ±1000' W. COAST HWY. INTER.
⊼	13.172	-2.035	2.033		-2.034	SET L&T. S.E. COR. CONC. PORCH BACK OF HOUSE
−	4.273		4.367			#30904
T.P.	8.899				8.894	

NOTES RED. DATE
NOTES CHKD. V.Q.J. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES
SURVEY BY C.V. CRUMLEY ZUMA BEACH, ET AL.
NOTES BY C.V.C. DATE 5-24-51
INDEXED A. C. Johnson DATE
F.B. 930 Pg. 136

FORM 353 1M 8-45

31122

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	8.899				8.894	T.P. PG. 136
+	4.962		5.012			
⊼	13.861	+0.081	+0.082		+ 0.081	
−	4.881		4.930			
T.P.	8.980				8.975	
+	5.048		5.135			
⊼	14.028	−0.588	−0.588		− 0.588	
∡PT. −	5.636		5.723		8.343	∡PT TVES PG 97
Z-6	8.392				~~8.387~~	Z-6 - Elev.
+	5.354		5.342			BROAD BEACH RD ±1752' W. INTER. COAS
⊼	13.746	+1.451	+1.454		+ 1.452	HWY AT TRANCAS CREEK. - 8±8 S.E. OF
−	3.903		3.888			HOUSE # 31020
						A 30" C.S. BRASS CAP MON. - 14" DN.
T.P.	9.843				9.839	
+	3.685		3.664			
⊼	13.531	+0.312	+0.312		+ 0.312	
−	3.376		3.352			
T.P.	10.155				10.151	
+	5.140		5.077			
⊼	15.295	−0.920	0.917		− 0.919	
SET −	6.060		5.994		9.195	SET
B.M.ZB-12	9.235				~~9.232~~	B.M.ZB-12 Elev.
+	3.587		3.560			BROAD BEACH RD ±2800' W. INTER. COAST
⊼	12.822	+0.435	+0.435		+ 0.435	HWY AT TRANCAS CREEK.
−	3.152		3.125			SET LAT. IN CONC. WALK - S.E. COR. PATIO SIDE
						HOUSE # 31120
T.P.	9.670				9.667	PATIO Walk Wall
+	3.418		3.405			
⊼	13.088	+2.928	2.925		+ 2.927	
−	0.490		0.480		12.558	
T.B.M.	12.598				~~12.594~~	T.B.M. S. END OF E. 2½ CONC. BLOCK WALL
						AT HOUSE # 31250, TOP S.W. COR. OF

NOTES RED. DATE
NOTES CHKD. U.Q.J. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES ZUMA BEACH, ET AL.
SURVEY BY C.V.C. NOTES BY C.V.C. DATE 5-24, 25-51
INDEXED E. C. Johnson DATE

F.B. 930 PG. 137

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

383

18.070
17.474
.596

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M	12.598				~~12.594~~ 12.558	T.B. Rd PG. 137
+	4.505		4.495			
⊼	17.103	-1.858	-1.858		1.858	
−	6.363		6.353			
T.P.	10.740				10.736	T.P.
+	7.727		7.699			
⊼	18.467	+7.330	+7.332		7.331	
C.S. −	0.397		0.367		18.034	Fd. ?
B.M. 657	18.070				~~18.067~~	C.S.B.M. #657 Elev NO 1942 DATUM
+	5.536		5.527			BROAD BEACH RD, ±5000' W. OF TRANCAS
⊼	23.606	-6.258	6.258		-6.258	CANYON (COAST HWY) - 200' E. of OLD HWY 6x6
−	11.794		11.785			POST MARKED 383+00" - 2±500' E. of Z-7
T.P.	11.812				11.808	FD CHISELED "□" MARKED "LA □ CO." TOP CTR. of SOUTH HD WALL CONC. CULVT - MAY BE 657 OF L.B. 331-160 - ELEV. 17.474
+	2.784		2.760			T.P.
⊼	14.596	-3.008	3.008		3.008	
∡ PT. −	5.792		5.768	N.G.	~~8.771~~	∡ PT. TIES PAGE 98
Z-7	8.804				~~8.801~~	Z-7 - Elev -
+	6.422		6.361			BROAD BEACH RD. ± 5500' W. TRANCAS CANYON (AT COAST HWY). ± 5' W. OF W. LINE HSE #31344
⊼	15.226	+3.009	3.009		3.009	A 30" C.S. BRASS CAP MON. 18" DN. ON BEACH. 158.5' S. of SPK. IN BROAD BEACH RD.
SET −	3.413		3.352		11.782	SET FOR T.B.M.'S THIS AREA SEE (Kn)
B.M. ZB-13	11.813				~~11.810~~	B.M. ZB-13. Elev FB 3790-153 5-26-70
+	3.667		3.652			L.&T. IN CONC. Walk W. Side HOUSE #31336
⊼	15.480	-1.212	-1.214		1.213	7' S. of CHIMNEY & ± 131' E of Z-7 ABOVE
−	4.879		4.866			
T.P.	10.601				10.597	T.P.
+	5.187		5.182			
⊼	15.788	+0.572	+0.575		0.573	
−	4.615		4.607			
T.P.	11.173				11.170	T.P.

197

NOTES RED. DATE
NOTES CHKD. U.D.J. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES (ZUMA BEACH, ETAL)
SURVEY BY C.V. CRUMLEY DATE 5-29-51
NOTES BY C.V.C.
INDEXED A. C. Johnson DATE
F.B. 930 PG. 138

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

M. 11.442
11.437

11.4 7 4

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	11.173				11.170	T.P.
+	4.060		4.042			
⊼	15.233	-1.504	-1.505		-1.504	
−	5.564		5.547			
T.P.	9.669				9.666	T.P.
+	5.825		5.809			
⊼	15.494	+4.101	+4.101		+4.101	
−	1.724		1.708			
T.P.	13.770				13.767	T.P.
+	11.437		11.430			
⊼	25.207	+10.165	+10.166		+10.165	
−	1.272		1.264			
T.P.	23.935				23.932	T.P.
+	11.437		11.415			
⊼	35.372	+10.124	+10.125		+10.125	
−	1.313		1.290			
T.P.	34.059				34.057	T.P.
+	10.415		10.410			
⊼	44.474	+5.668	+5.672		+5.670	
∡PT. −	4.747		4.738		39.710	∡PT. TIES PAGE 9
Z-8	39.727				~~39.727~~	Z-8- Elev.
+	3.663		3.638			COAST HWY - OPP. STA. 360+00 & ±300' S. OF
⊼	43.390	-5.020	-5.022		-5.021	WATER TANK ON S. SIDE BROAD BEACH R. -
−	8.683		8.660			A C.S. 30" B.C. MON. 8" DN. IN OLD R.R. R/W.
T.P.	34.707				34.706	T.P. ABOVE BEACH.
+	3.499		3.487			TIES PAGE 9
⊼	38.206	-3.162	3.164		-3.163	∡PT. Z-9. Elev.
∡PT −	6.661		6.651		31.529	LACHUSA PT., S. END GRADED AREA,
Z-9	31.545	N.G. MON Reset 5-19-70			~~31.545~~	±403' S. OF ABOVE Z-8; ±149' S. OF T. Bk.
						A C.S. 30" B.C. MON. 8" DN
						[illegible] ELEV. ON Z-9 [illegible] F.B. 3170-[illegible]

NOTES RED
DATE
NOTES CHKD. UQJ.
DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES (ZUMA BEACH ETAL.)
SURVEY BY C.V.C. DATE 5-29-51
NOTES BY C.V.C.
INDEXED E. C. Johnson DATE

F.B. 930 PG. 139

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
∡PT. Z-9	31.545				~~31.543~~	∡PT. Z-9
+	7.355		7.346		31.529	N.G. Mon. Reset 5-19-70 (Km)
⊼	38.900	+6.168	6.164		+6.166	FOR NEW ELEV. ON Z-9 SEE
−	1.187		1.182			F.B. 3790-154 (Km) 5-29-70
T.P.	37.713				37.709	T.P.
+	11.751		11.711			
⊼	49.464	+10.328	+10.329		+10.328	
−	1.423		1.382			
T.P.	48.041				48.037	T.P.
+	11.342		11.332			
⊼	59.383	+10.199	+10.199		+10.199	
−	1.143		1.133			
T.P.	58.240				58.236	T.P.
+	11.080		11.076			
⊼	69.320	+10.245	+10.244		+10.245	
−	0.835		0.832			
T.P.	68.485				68.481	T.P.
+	11.228		11.213			
⊼	79.713	+10.256	+10.256		+10.256	
−	0.972		0.957			
T.P.	78.741				78.737	T.P.
+	11.196		11.196			
⊼	89.937	+10.314	+10.318		+10.316	
−	0.882		0.878			called "MALIBU-ENCINAL"
T.P.	89.055				89.053	T.P. - ROCK IN RD ± 15' INSIDE GATE AT
+	10.805		10.784			BROAD BEACH RD. & SEA LEVEL DR.
⊼	99.860	+9.744	+9.747		+9.745	
−	1.061		1.037			
T.P.	98.799				98.798	T.P.

NOTES RED. DATE
NOTES CHKD. U.Q.J. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES ZUMA BEACH, ETAL
SURVEY BY C.V. CRUMLEY DATE 5-31-51
NOTES BY C.V.C.
INDEXED A. G. Johnson DATE
F.B. 930 PG. 140

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

NOTES RED. JOB NO. 8412 SURVEY OF BEACH EROSION STUDY
DATE SURVEY BY C.V. CRUMLEY, ZUMA BEACH ET AL F.B. 930 PG. 141
NOTES CHKD U.Q.V. NOTES BY C.V.C. DATE 5-31-51
DATE 4-13-53 INDEXED R. C. Johnson DATE

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T. P.	98.799				98.798	T. P.
+	10.366		10.346			
=	109.165	+6.037	+6.035		+6.036	
PT. DUNE	4.329		4.311		104.832	PT. DUNE (KLEINECK'S CONT'D. LINE)
E-8	104.836				104.834	E-8. Elev.
+	3.206		3.193			COAST HWY. + 246.5 E. of CULVERT STA. 356 + 50
=	108.042	-1.901	-1.900		-1.901	21' S. OF S. EDGE CONC. PAV. L.A. Co. 3" BRONZE DISC IN 12" X 12" CONC. MON. FLUSH.
L-583	5.107		5.093			1942 A.J.
U.S. 3005	102.935				102.933	U.S. 3005 = L-583 - Elev. 102.933
+	4.543		4.530	4.528		COAST HWY. - 3 MI. W. ZUMA CREEK BRIDGE. 10' E. OF CULVERT STA. 356 + 50. — A U.S.C. & G.S. STD BRASS DISC IN N. CURB OF CENTER DIV. STRIP - OPPOSITE W. END HORIZONTAL T. & PUMPHSE. S. SIDE BROAD BEACH RD.
=	107.478	-6.537	-6.342	-6.340	-6.342	
—	10.880		10.872	10.868		
T. P.	96.598				96.593	T. P.
+	1.763		1.740			
=	98.361	-8.351	-8.351		-8.351	
—	10.114		10.091			
T. P.	88.247				88.242	T. P.
+	1.506		1.494			
=	89.753	-9.628	-9.628		-9.628	
—	11.134		11.122			
T. P.	78.619				78.614	T. P.
+	1.237		1.215			
=	79.856	-10.149	-10.150		-10.149	
—	11.386		11.365			
T. P.	68.470				68.465	T. P.
+	1.255		1.244			
=	69.725	-10.339	-10.338		-10.339	
—	11.594		11.582			
T. P.	58.131				58.126	T. P.

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

#31665

Do not extend notes this side of this line. West Sea Level DR

F.B. 930 PG. 142 | JOB NO. 5242 SURVEY OF BEACH & EASEMENT STUDIES NOTES RED.
SURVEY BY C.M.C. MCCRACKEN, MALIBU (ZUMA BEACH, ETAL) DATE NOTES CHKD. J.Q.D.
NOTES BY C.M.C. DATE 5-31-56 & 6-1-56 DATE 4-3-57
INDEXED A. C. Johnson DATE

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	58.131				58.126	T.P.
+	1.525		1.508			
=	59.656	-10.117	-10.118		-10.117	
-	11.642		11.626			
T.P.	48.014				48.009	T.P.
+	1.196		1.198			
=	49.210	-9.851	-9.854		9.853	
-	11.047		11.044			
T.P.	38.163				38.156	T.P.
+	0.489		0.478			
=	38.652	-9.119	-9.121		9.120	
-	9.608		9.599			
T.P.	29.044				29.036	T.P.
+	2.000		1.986			
=	31.044	-6.391	-6.391		-6.391	
-	8.391		8.377			
T.P.	22.653				22.645	T.P.
+	2.347		2.328			
=	25.000	-3.460	-3.456		-3.458	
-	5.807		6.784			
SET						SET
B.M.ZB-14	19.193				19.187	B.M. ZB-14 Elev
+	3.167		3.137			WEST SEA LEVEL DR. (= LOT "A" ST. OF TR.
=	22.360	-1.888	-1.888		-1.888	#10630) - ENTER AT GATE "MALIBU-ENCINAL"
-	5.055		5.025			ON BROAD BEACH RD. ± 500' W. OF HORIZONTAL TANK
T.P.	17.305				17.299	& PUMP H.S.E., & GO 0.31 N. I. S. & W. TO HOUSE # 31665
+	3.526		3.503			SET BT. SPK. IN LEAD - W. end CONC. APRON AT GATE.
=	20.831	-6.380	-6.381		-6.380	
-	9.906		9.884			
T.P	10.925				10.919	T.P.

H.S.E. #31665

FORM 353 1M 8-45

108
2.5
500
2.6
2.7

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	10.925				10.919	T.P.
+	6.624		6.610			
⊼	17.549	+0.942	+0.944		+0.943	
−	5.682		5.666			
T.P.	11.867				11.862	T.P.
+	3.538		3.523			
⊼	15.405	−0.997	−0.999		−0.998	
−	4.535		4.522			
T.P.	10.870				10.864	T.P.
+	4.046		4.015			
⊼	14.916	−1.292	−1.291		−1.292	
∡PT −	5.338		5.306			∡PT − TIES PAGE 100
Z-10	9.578				9.572	Z-10 - Elev.
+	11.082		11.050			WEST SEA LEVEL DR. - ENTER FROM W. [illegible] ND BROAD BEACH RD, GO S. & E. TO END; ±2[illegible] E. ON TRAIL.
⊼	20.660	+8.785	+8.787		+8.786	A 30" BRASS CAP MON. - 18" D.N. ON BEACH AT TOE SLOPE.
−	2.297		2.263			
T.P.	18.363				18.358	T.P.
+	10.238		10.232			
⊼	28.601	+5.172	5.173		+5.172	
−	5.066		5.059			TIE PT. TO Z-10 - PAGE 10[illegible]
RM.Z-10	23.535				23.530	RM.Z-10 - ELEV.
+	4.951		4.945			A CS. 30" B.C. MON. - Flush - 32.[illegible] NE OF
⊼	28.486	−5.275	−5.275		−5.275	ABOVE Z-10 ∡PT. - APPROX CTR. OF [illegible] D
−	10.226		10.220			R.R. R/W. CUT.
T.P.	18.260				18.255	
+	1.436		1.406			
⊼	19.696	−6.955	−6.955		−6.955	
−	8.391		8.361			(TIE PT. TO ∡PT. Z-10 ABOV[illegible])
T.B.M.	11.305				11.300	T.B.M. - Elev
						BT. SPK. & W. 15" UP ON SANDSTONE CLIFF 63.52 W. OF Z-10"

NOTES RED
DATE
NOTES CHKD. NQJ
DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES
SURVEY BY [illegible]
NOTES BY C.V.C.
INDEXED C. Johnson
DATE 6-1-51
DATE

F.B. 930 PG. 143

FORM 353 1M 8-45

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M.	11.305				11.300	T.B.M.
+	6.048		6.047			
⊼	17.353	+5.482	+5.482		5.482	
∡PT −	0.566		0.565			∡PT. - PAGE 101.
Z-11	16.787				16.782	Z-11 - Elev.
+	1.184		1.168			COAST HWY. & W. END BROAD BEACH RD.
⊼	17.971	−8.835	8.835		8.835	ON BEACH AT MOUTH OF CANYON - ON 10'X50' ROCK ISLAND ± 15' HIGH. A 2" I.P. WITH BRASS
Fd −	10.019		10.003			CAP IN CEMENT. Fd.
T.B.M.	7.952				7.947	T.B.M. Elev.
+	4.936		4.897			Fd. CHISELED □ TOP 3' ROUND ROCK ON
⊼	12.888	+2.689	+2.690		2.689	BEACH AT MOUTH OF CANYON. N. END 10'X50' ISLAND - & 25' N. & 12' E. of Z-11 ABOVE
−	2.247		2.207			
T.P.	10.641				10.636	T.P.
+	6.290		6.282			
⊼	16.931	+1.244	+1.246		1.245	
−	5.046		5.036			
T.P.	11.885				11.881	T.P.
+	3.969		3.950			
⊼	15.854	−2.386	−2.387		2.386	TIES PAGE 102
∡PT. −	6.355		6.337			∡PT.
Z-12	9.499				9.495	Z-12 - Elev. -
+	11.205		11.185			ON BEACH ± 817.71 W. OF CANYON AT W. END
⊼	20.704	+10.357	+10.356		10.357	BROAD BEACH RD. - 3' S. OF TOE SLOPE, A 30" BRASS CAP MON. 18" DN.
−	0.848		0.829			
T.P.	19.856				19.852	T.P.
+	5.875		5.863			
⊼	25.731	+4.646	4.645		4.645	
−	1.229		1.218			PAGE 102
RM-Z-12	24.502				24.497	RM.-Z-12, Elev. ABOVE ON TOP BANK 24.44 N. OF ∡PT. Z-12, A C.S. 30" BRASS CAP MON. - FLUSH

NOTES RED. DATE
NOTES CHKD. V.Q.J. DATE 4-13-53
JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES (ZUMA BEACH, ET AL)
SURVEY BY C.V. CRUMLEY DATE 6-4-51
NOTES BY C.V.C.
INDEXED A. C. Johnson DATE
F.B. PG. 144

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

11.022
5.164
5.858

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
RM.Z-12	24.502				24.497	RM.Z-12
+	11.041		11.022			
⊼	35.543	+5.856	5.858		+ 5.857	
−	5.185		5.164			
T.P.	30.358				30.354	T.P.
+	9.345		9.338			
⊼	39.703	−0.242	0.242		− 0.242	
∡ PT. −	9.587		9.580			∡ PT. TIES PAGE 103
Z-13	30.116				30.112	Z-13 Elev. DOWN DRIVEWAY & TRAIL AT COAST HWY. HOUSE # 32200, TO BULGE IN TRAIL 200' E. of CABIN ON BEACH.
+	8.735		8.727			
⊼	38.851	+5.609	+5.607		+ 5.608	A.C.S. 30" B.C. MON. 14" DN, S. SIDE TRAIL ALONG SIDE OF BLUFF.
−	3.126		3.120			
RM.Z-13	35.725				35.720	RM.Z-13, Elev. TIE PAG 103
+	1.287		1.267			A.C.S. 30" B.C. MON. 2" DN, IN TRAIL
⊼	37.012	−9.310	−9.313		− 9.311	83.39 N.W. OF Z-13 ABOVE.
−	10.597		10.580			
T.P.	26.415				26.409	T.P.
+	0.352		0.205			
⊼	26.767	−10.869	−10.870		−10.869	
−	11.221		11.075			
T.P.	15.546				15.540	T.P.
+	2.375		2.370			
⊼	17.921	−2.437	−2.437		− 2.437	
−	4.812		4.807			PAGE 103
P.O.T. Z-13A	13.109				13.103	P.O.T. Z-13A Elev. A BT. SPK. IN NOTCH, N. END HIGH ROCK ISLAND, 7.5± UP FROM BEACH, 85.9 WEST OF Z-13.
+	2.892		2.882			
⊼	16.001	−2.138	−2.140		− 2.139	
Fd −	5.030		5.022			Fd
B.M. # ?	10.971				10.964	B.M. # ? Elev. Fd. OLD SPK. ± 5' N.W. OF P.O.T. ABOVE MAY BE T.P. OR B.M. of L.B. 331 BUT COULD NOT IDENTIFY FROM ANY DESCRIPTION.

NOTES RED
DATE
NOTES CHKD. UQ.J.
DATE 4-13-53
JOB No. 8412 SURVEY OF BEACH EROSION STUDIES (ZUMA BEACH, ETC.)
SURVEY BY C.V. CRUMLEY
NOTES BY C.V.C. DATE 6-4-51
INDEXED A. C. Johnson DATE

F.B. 930 PG. 145

FORM 353 1M 8-45 4.129 .099

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

2168
2339
.029

F.B. 930 Pg. 146 JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES, ZUMA BEACH, ET AL.)
SURVEY BY C.V.C. CRUMLEY NOTES BY C.V.C. DATE 6-4,5-51 INDEXED A. C. JOHNSON DATE
NOTES RED. DATE
NOTES CHK'D V.O.V. DATE 4-13-53

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
ED B.M. # ?	10.971				10.964	ED. B.M. # ? Page 125
+	4.115		4.099			
⅄	15.086	-4.423	-4.421		4.422	
−	8.538		8.520			
T.P.	6.548				6.542	T.P.
+	6.145		6.134			
⅄	12.693	+0.088	+0.091		0.089	
−	6.057		6.043			
T.P.	6.636				6.631	T.P. - BT. SPK. E. BASE of 10'x20' Boulder
+	2.793		2.770			ON BEACH AT FOOT of DIRT SLIDE ± 350'
⅄	9.429	+0.167	0.167		0.167	W. of OLD CABIN ON Beach - DOWN
−	2.626		2.603			TRAIL FROM HOUSE # 32200.
T.P.	6.803				6.798	T.P.
+	3.623		3.597			
⅄	10.426	-2.768	2.769		2.768	
−	6.391		6.366			
T.P.	4.035				4.030	T.P.
+	6.694		6.644			
⅄	10.729	-0.604	0.605		0.605	
SET −	7.298		7.249			SET
B.M. ZB-15	3.431				3.425	B.M. ZB-15 ELEV.
+	11.670		11.659			SET BT. SPK. IN LEDGE ON SHELF 2' UP ON S. SIDE
⅄	15.101	+11.559	11.557		11.558	8'X15' PEAK Boulder 10' HIGH + 60' S. of
−	0.111		0.102			STAIRWAY TO NEW CABIN ON GRADED SITE
						ON SIDE OF BLUFF ± 350' E. of 42-14
						TRAIL DOWN FROM HWY STA. 300 + 30
T.P.	14.990				14.983	T.P. NAIL S. Side 2"x6" S.W. Cor. STAIRS
+	5.280		5.278			
⅄	20.270	+4.887	4.887		4.887	
−	0.393		0.391			
T.P.	19.877				19.870	T.P. END of 2x6 CROSS BRACE S.E. Cor. STAIRS - MIDDLE LANDING

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	19.877				19.870	T.P. PG. 146
+	11.793		11.789			
⊼	31.670	+11.213	+11.214		+11.213	
−	0.580		0.575			
T.P.	31.090				31.083	T.P
+	5.894		5.888			
⊼	36.984	−2.884	−2.882		−2.883	
∡PT. −	8.778		8.770			∡PT. TIES PAGE 104
Z-14	28.206				28.200	Z-14. Elev. DOWN TRAIL FROM COAST HWY. STA. 300+30 TO HIGH FLAT PT. A C.S. 24" BRASS CAP MON. FLUSH.
+	4.749		4.743			
⊼	32.955	+0.714	+0.716		+0.715	
−	4.035		4.027			TIES PAGE 104
RM.Z-14	28.920				28.915	RM-Z-14. Elev. DOWN TRAIL FROM COAST HWY STA. 300+30 TO HIGH FLAT POINT. A C.S. 30" BRASS CAP MON. Flush 47.21 W. of ∡PT. Z-14 ABOVE
+	5.975		5.977			
⊼	34.895	−5.443	−5.440		−5.442	
−	11.418		11.417			
T.P.	23.477				23.473	T.P.
+	0.238		0.237			
⊼	23.715	−11.491	−11.493		−11.492	
−	11.729		11.730			
T.P.	11.986				11.981	T.P. - TOP 4X4 POST ON BEACH 6' S. of BOTTOM CLIFF.
+	0.221		0.213			
⊼	12.207	−7.636	7.633		−7.635	
SET −	7.857		7.846			SET (W. of Z-14)
B.M.ZB-16	4.350				4.346	B.M. ZB-16 Elev SET BT. Spk. IN Lead. TOP 4'X4' ROCK 22' S. of MAIN CLIFF & 15' W. of HIGH POINT. TRAIL DOWN FROM HIGHWAY STA. 300+30
+	7.897		7.863			
⊼	12.247	+6.471	+6.471		+6.471	
−	1.426		1.392			
T.P.	10.821				10.817	T.P. - SET SQUARE Spk. AT BOTTOM STEP, E. SIDE STAIRWAY. ± 400' W. of HIGH PT.

NOTES RED. JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES F.B. 930 PG. 147
DATE SURVEY BY C.V. CRUMLEY (ZUMA BEACH, ET AL)
NOTES CHKD. U.D.J. NOTES BY C.V.C. DATE 6-5-51
DATE 4-13-53 INDEXED K. C. Johnson DATE

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

NOTES RED _____ DATE _____ NOTES CHKD. D.G.V. DATE 4-13-53

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES.
SURVEY BY C.K.CRUMLEY (ZUMA BEACH, ET AL
NOTES BY C.K.C. DATE 6-6-52
INDEXED E. C. Johnson DATE

F.B. 930 Pg. 148

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	10.821				10.817	T.P
+	2.376		2.358			
=	13.197	-1.754	-1.754		1.754	
-	4.130		4.112			
T.P.	9.067				9.063	
+	0.810		0.797			
=	9.877	-4.872	4.870		4.87	
-	5.682		5.667			
T.P.	4.195				4.192	
+	7.502		7.468			
=	11.697	+4.138	4.138		4.135	
-	3.364		3.339			SET
SET ZB-17	8.333				8.336	B.M. ZB-17 Elev.
+	3.323		3.315			133' W. & 16' SOUTH OF ⊕ PT Z-15 ON TOP
=	11.656	+2.397	+2.397		2.397	HIGH PT. AT FOOT OF NARROW CANYON
-	0.926		0.918			SET BT. SPK IN FACE OF BLUE CLIFF BASE OF PT.
T.P.	10.730				10.727	SEE BELOW.
+	11.284		11.268			
=	22.014	+10.661	+10.661		10.661	
-	0.623		0.607			
T.P.	21.391				21.388	
+	9.433		9.420			
=	30.824	+4.478	+4.476		4.477	
⊕PT -	4.955		4.944			⊕ PT. TIES PAGE 105
Z-15	25.869				25.865	Z-15 - Elev.
+	2.950		2.943			ON GRADED HIGH FLAT PT. DOWN CANYON
=	28.819	-7.234	-7.231		7.233	FROM DOUBLE PICKET GATE - HOUSE #32504,
-	10.184		10.174			OF COAST HWY
T.P.	18.635				18.632	A.C.S. 30 - BRASS CAP MON. 2" DN. T.P. OPP. HWY - STA. 290+63

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	18.635				18.632	T.P.
+	2.761		2.743			
⊼	21.396	-4.796	-4.798		-4.797	
−	7.557		7.541			
T.P.	13.839				13.835	T.P.
+	1.607		1.593			
⊼	15.446	-2.998	2.999		-2.998	
−	4.605		4.592			
T.P.	10.841				10.837	T.P.
+	6.783		6.776			
⊼	17.624	+5.176	5.175		+5.176	
−	1.607		1.601			
T.B.M	16.017				16.013	(OPP. STA. 283+00±) T.B.M. - set BT spk. TOP 4"X6" PST W. side AT BASE OF LONG STAIRWAY TO HOUSE #32614, TOP OF BLUFF.
+	1.348		1.311			
⊼	17.365	-3.105	-3.106		-3.105	
SET −	4.453		4.417			SET
B.M. ZB-18	12.912				12.908	B.M. ZB-18 - Elev. DOWN FROM COAST HWY STA. ±283+00 AT BASE OF STAIRWAY TO BEACH FROM HOUSE #32614; ± 750' W. of ∡ PT. Z-15 - PG. 15
+	4.356		4.288			
⊼	17.268	-2.336	-2.337		-2.337	
−	6.692		6.625			
T.P.	10.576				10.571	T.P. SET C.S. 30" BRASS CAP MON. WITH BUTTON 2" UP, 4.5' W. of STAIR + AT TOE SLOPE
+	2.551		2.537			
⊼	13.127	-1.893	-1.895		-1.894	
−	4.444		4.432			
T.P.	8.683				8.677	T.P.
+	4.325		4.311			
⊼	13.008	-0.665	-0.666		-0.665	
−	4.990		4.977			
T.P.	8.018				8.012	T.P.

NOTES RED. JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES F.B. 930 PG. 149
DATE SURVEY BY C.V. Crumley ZUMA BEACH, CALIF.
NOTES CHKD. U.Q.V. NOTES BY C.V.C. DATE 6-6-51
DATE 4-13-53 INDEXED R. C. Johnson DATE

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES NOTES RED. DATE
SURVEY BY C.V.C. CRUMLEY (ZUMA BEACH ETAL.) NOTES CHKD. V.O.J.
NOTES BY C.V.C. DATE 6-6-7-51 DATE 4-13-53
INDEXED E. C. Johnson DATE
F.B. 930 Pg. 150

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T. P.	8.018				3.012	T. P
+	2.822		2.791			
π	10.840	+0.396	+0.397		0.396	TIE PT. PG. 106
F.D —	2.426		2.394			F.d.c.s. NOT 1942 DATUM
B.M. 671	8.414				8.408	B.M. 671. Elev. 8.452 - PER L.B. 331-192
+	2.832		2.807			FD. OLD CUT SPK. TOP 6"X6" BUFF COLORED SANDSTONE
π	11.246	+1.016	1.016		1.016	± 6' S. OF TOE OF CLIFF. ± 860' E. OF ⊥ PT. Z-16.
SET —	1.816		1.791			USED AS TIE PT. TO P.O.T. Z-15A - PG. 106.
						± 3½ MI. FROM L.A. & VENTURA CO. LINE.
						SET SEE BOT. PG.
B.M. ZB-19	9.430				9.424	B.M. ZB-19 Elev.
+	1.275		1.268			SET BT. SPK. IN LEAD TOP BLACK SANDSTONE JUTTING
π	10.705	-1.523	-1.521		1.522	OUT FROM BASE OF CLIFF + 800' E. OF ⊥ PT. Z-16
—	2.798		2.789			USED AS TIE PT. TO P.O.T. Z-15A PG. 106.
						± 50' W. OF B.M. 671 ABOVE.
T. P.	7.907				7.902	T.P. - PT. of ROCK TOE SLOPE OPP.
+	4.003		3.990			HIGH POLE ON BLUFF
π	11.910	-0.795	-0.796		0.795	
—	4.798		4.786			
T. P.	7.112				7.107	T.P.
+	9.930		9.919			
π	17.042	+7.935	+7.936		7.935	
—	1.995		1.983			
T. P.	15.047				15.042	T.P.
+	9.848		9.829			
π	24.895	+5.930	+5.930		5.935	
⊥ PT. —	3.918		3.899			⊥ PT. TIES PAGE 107
Z-16	20.977				20.972	Z-16 - Elev.
+	11.300		11.286			AT MOUTH OF CANYON ON SANDY PT. AT END
π	32.277	+11.200	+11.198		11.199	OF ROAD FROM HWY. 1 ½ MI. E. OF DECKER RD.
—	0.100		0.088			CANYON HAS CONC. DAM. 1 SEE UP FROM BEACH
						A C.S. 30" B.C. MON. 12" DN.
T.P.	32.177				32.171	T.P.

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	32.177				32.171	
+	8.577		8.565			
⊼	40.754	+3.755	3.757		+3.756	
−	4.822		4.808			TIES PAGE 107
R.M.Z-16	35.932				35.927	R.M.Z-16-Elev.
+	10.281		10.272			A.C.S. 24" B.C. MON. FLUSH, IN ROAD TOP OF
⊼	46.213	+8.981	+8.979		+8.980	SLOPE, 54.56 FROM ∡ PT. Z-16, [illegible]
−	1.300		1.293			(DOWN CANYON AT COAST HWY 270+52 [illegible]
T.P.	44.913				44.907	T.P.
+	11.890		11.880			
⊼	56.803	+10.870	+10.869		+10.869	
−	1.020		1.011			
T.P.	55.783				55.776	T.P.
+	11.905		11.897			
⊼	67.688	+11.087	+11.085		+11.086	
−	0.818		0.812			
T.P.	66.870				66.862	T.P.
+	10.685		10.677			
⊼	77.555	+8.005	+8.006		+8.005	
SET −	2.680		2.671			SET
B.M.ZB-20	74.875				74.867	B.M.ZB-20-Elev
+	11.760		11.746			±½ MI. E. of DECKER CANYON RD. ± 50
⊼	86.635	+10.963	+10.964		+10.964	S. COAST HWY STA. 270+52.
−	0.797		0.782			A ½" IRON REINFORCEING BAR TOP CONC. DAM
T.P.	85.838				85.831	T.P. 10' E. of OUTLET. 0.4 N. of LAT. RF. TO Z-16 PAGE 107
+	11.762		11.751			
⊼	97.600	+11.222	+11.222		+11.222	
−	0.540		0.529			
T.P.	97.060				97.053	T.P.

NOTES RED. ____ JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES F.B. 930 Pg. 151
DATE ____ SURVEY BY C.V. CRUMLEY (ZUMA BEACH, EL AL)
NOTES CHKD. J.Q.J. NOTES BY C.V.C. DATE 6-7-51
DATE 4-13-53 INDEXED A. C. Johnson DATE ____

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

255+00

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	97.060				97.053	T.P.
+	12.015		11.992			
⊼	109.075	+11.695	+11.697		+11.696	
−	0.320		0.295			
T.P.	108.755				108.749	T.P.
+	11.765		11.721			
⊼	120.520	+10.750	+10.749		+10.749	
−	1.015		0.972			
T.P.	119.505				119.498	T.P.
+	6.371		6.368			
⊼	125.876	−3.179	−3.177		−3.178	
−	9.550		9.545			
T.P.	116.326				116.320	T.P.
+	4.226		4.220			
⊼	120.552	−4.782	−4.780		−4.781	
−	9.008		9.000			
T.P.	111.544				111.539	T.P.
+	2.497		2.492			
⊼	114.041	−7.578	−7.577		−7.578	
−	10.075		10.069			
T.P.	103.966				103.961	T.P.
+	2.060		2.042			
⊼	106.026	−9.830	−9.834		−9.832	
−	11.890		11.876			
T.P.	94.136				94.129	T.P. U.S.C.&G.S. 1942 ADJ.
+	3.871		3.863			
⊼	98.007	+1.331	+1.332		+1.332	U.S. 3007 = N.583 - Elev. 95.456 COAST HWY. & DECKER CANYON RD. - N.E. COR. A U.S.C. & G.S. STD BRASS DISC. B.M. SET IN S.W. COR. OF CULVERT BOX AT HWY STA. 255+00.
−	2.540		2.531			
U.S. 3007	95.467				95.461	

NOTES RED. DATE
NOTES CHKD. V.D.V. DATE 4-13-53

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES (ZUMA BEACH, ET AL.)
SURVEY BY C.V. CRUMLEY DATE 6-7-51
NOTES BY C.V.C.
INDEXED A. C. Johnson DATE

F.B. 930 PG. 152

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line

NOTES RED. _____ JOB NO. 5412 SURVEY OF BEACH EROSION STUDIES F.B. 330 P. 45-53
DATE _____ SURVEY BY C.K. Crumley / Leona Beach (Asst.)
NOTES CHKD. _____ NOTES BY C.V.C. DATE 6-7-51
DATE _____ INDEXED A. C. Johnson DATE

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						USC&GS 1942 ADJ
U.S.3007	95.456				15.456	U.S. 3007 = N-583-ERV 95.456 COAST HWY & DECKER CANYON RD. NE. C/L
+	3.965		3.959			A U.S.C.&G.S. STD BRASS DISC SET IN S.W. COR. OF CULVERT BOX AT
π	99.421	-7.172	-7.168		-7.170	HWY STA. 255+00.
−	11.137		11.127			
T.P.	88.284				88.286	T.P.
+	1.444		1.434			
π	89.728	-9.819	-9.821		-9.820	
−	11.263		11.255			
T.P.	78.465				78.466	T.P.
+	1.256		1.247			
π	79.721	-9.985	9.985		-9985	
−	11.241		11.232			
T.P.	68.480				68.481	T.P.
+	0.960		0.954			
π	69.440	-10.698	-10.697		-10.698	
−	11.658		11.651			
T.P.	57.782				57.783	T.P.
+	1.100		1.093			
π	58.882	-10.135	-10.133		-10.134	
−	11.235		11.226			
T.P.	47.647				47.649	T.P.
+	1.452		1.443			
π	49.099	-7.254	-7.251		-7.252	
−	8.706		8.694			
T.P.	40.393				40.397	T.P.
+	0.388		0.380			
π	40.781	-10.912	-10.914		-10.913	
−	11.300		11.294			
T.P.	29.481				29.484	T.P.

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES (ZUMA BEACH ETA) NOTES RED. DATE
SURVEY BY C.V.C. RUMLEY NOTES CHKD. DATE
NOTES BY C.V.C. DATE 6-8-51
INDEXED A. C. Johnson DATE

F.B. 930 Pg. 154

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T. P.	29.481				29.481	T. P.
+	1.610		1.601			
=	31.091	-8.982	-8.982		-8.982	
℄ PT. —	10.592		10.583			℄ PT TIES PAGE 108
Z-17	20.499				20.502	Z-17 ELEV
+	1.995		1.992			COAST HWY & DECKER CANYON RD - STA. 255+00 DOWN LACHUSA CANYON TO MOUTH OF A.C.S. 30"
=	22.494	-7.283	-7.282		-7.283	BRASS CAP MON. FLUSH ON SIDE HILL, ABOVE BEACH
O.D Spk —	9.278		9.274			± 50' W. OF CANYON, ± 70' E. OF E.P.L. NSE. #330G4 ± 25' FROM WATER
T. B.M.	13.216				13.219	T.B.M. - Fd OLD CUT SPK. 2.2' W. of
+	1.117		1.088			RP. Z-17 BT. SPK., TOP OF ROCK IN CTR
=	14.333	-5.211	-5.212		-5.211	OF LACHUSA CANYON - PAGE 108
—	6.328		6.300			
T. P	8.005				8.008	T. P
+	4.348		4.314			
=	12.353	+1.204	+1.204		+1.204	
—	3.144		3.110			
T. P.	9.209				9.212	T. P.
+	5.523		5.515			
=	14.732	-0.032	-0.033		-0.033	
—	5.555		5.548			
T. P.	9.177				9.179	T. P
+	9.000		8.987			
=	18.177	+7.159	+7.157		+7.158	
℄ PT. —	1.841		1.830			℄ PT. TIES PAGE 109
Z-18	16.336				16.337	Z-18 ELEV.
+	5.350		5.338			MOUTH OF CANYON W. OF HOUSE # 33212
=	21.686	+3.759	+3.759		+3.759	A.C.S. 3.30" BRASS CAP MON. FLUSH TOP
—	1.591		1.579			OF SAND DUNE ± 45' N. OF ROCKY BEACH.
RM. Z-18	20.095				20.096	RM. Z-18 Elev
						Page 155

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
RM.Z-18	20.095				20.096	RM.Z-18. ELEV Page 14
+	4.023		4.005			6' UP FROM TOE OF SLOPE, SPUR DOWN FROM
⊼	24.118	+0.306	+0.306		+0.306	HOUSE # 33212. A C.S. 30" BRASS CAP MON. FLUSH, 40.67
−	3.717		3699			N.E. OF ∡ PT. Z-18 - Page 154
T.P.	20.401				20.402	TIES PAGE 10[illegible]. T.P.
+	3.143		3.129			
⊼	23.544	-2.203	-2.203		-2.203	
−	5.346		5.332			
T.P.	18.198				18.199	T.P.
+	8.733		8.710			
⊼	26.931	+7.266	+7.268		+7.267	
−	1.467		1.442			
T.P.	25.464				25.466	T.P.
+	4.860		4.824			
⊼	30.324	+0.428	+0.428		+0.428	DOWN TRAIL AT 234+56
SET −	4.432		4.396			SET
B.M. ZB-21	25.892				25.894	BM. ZB-21, Elev
+	5.806		5.792			SET BT SPK. & T. END OF BLACK TOP
⊼	31.698	-4.599	-4.602		-4.600	WALK DOWN FROM HOUSE # 33318 AT [illegible]
−	10.405		10.394			OF BLUFF. (HAS 12' WIDE RED BRICK CHIMNEY.
T.P.	21.293				21.294	T.P. ± 100' N. OF WATERS ± 650' E. HSE, ON BEACH. AT Z-19
+	4.342		4.336			
⊼	25.635	+1.569	+1.569		+1.569	
∡ PT −	2.773		2.767			∡ PT. TIES PG 1[illegible]
Z-19	22.862				22.863	Z-19 Elev.
+	1.285		1.277			DOWN TRAIL FROM COAST HWY STA 234+56
⊼	24.147	-6.292	-6.291		-6.292	W. END GRADED AREA ± 65' W. OF HOUSE IN BEACH BACK OF HOUSE # 33368. A C.S. 30" BRASS CAP MON. 4" DIV.
−	7.577		7.568			
T.P.	16.570				16.571	T.P.

NOTES RED. _____ JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES E.B. 930 PG. 155
DATE _____ SURVEY BY [illegible] DATE 6-8-51
NOTES CHKD. _____ NOTES BY C.V.C. _____
DATE _____ INDEXED R. C. Johnson DATE _____

FORM 353 1M 7-43

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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Do not extend notes this side of this line

F.B. 930 Pg. 156

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES NOTES RED. DATE

SURVEY BY C.V. CRUMLEY (ZUMA BEACH, ETAL) NOTES CHKD. DATE

NOTES BY E.K.C. DATE 6-12-57

INDEXED R. C. Johnson DATE

B. M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	16.575				16.571	T.P.
+	1.578		1.558			
=	18.148	-6.399	6.401		-6.400	
C.S. –	7.977		7.959			Fd. MAYBE NOT 1942 DATUM
B.M. 670	10.171				10.171	C.S. B.M. 670 ("52") - ELEV. 9.550 - LB 331-190
+	2.952		2.943			Fd. old cut spk. with Hd BENT, W. END LONE
=	13.123	-1.116	1.116		-1.116	ROCK OUTCROPPING ON BEACH, 50' FROM TOE
–	4.068		4.058			BANK.
T.P.	9.055				9.055	T.P.
+	2.278		2.267			
=	11.333	-2.486	2.486		-2.486	
–	4.763		4.753			
T.P.	6.569				6.569	T.P.
+	3.821		3.790			
=	10.390	+1.075	+1.077		+1.076	
–	2.746		2.713			
T.P.	7.644				7.645	T.P.
+	7.617		7.606			
=	15.261	+2.983	+2.983		+2.985	
4PT. –	4.632		4.621			4PT TIES PAGE 111
Z-20	10.629				10.630	Z-20 ELEV.
+	4.064		4.045			C.S. BRASS CAP CEMENTED IN TOP FLAT
=	14.693	+1.104	+1104		+1.104	ROCK ON POINT OF ORNAMENTAL STAIR
–	2.960		2941			WAY TO BEACH. ± 6' UP FROM BEACH.
T.P.	11.733				11.734	T.P.
+	7.404		7.355			
=	19.137	+3.353	+3.353		+3.353	4PT TIES PAGE 112
4PT –	4.051		4.002			Z-21 Elev.
Z-21	15.086				15.087	C.S. 3½" BRASS CAP MON. 16" DOWN ON
						S. EDGE & GRADED FLAT, 30' E. OF END
						OF BLACK-TOP DR. DOWN FROM HWY
						STA. 2+74+25

FORM 353 1M 8-38

6.791 -2.651 4.140 6.791 -4.128 6.780 +4.64 6.79

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR

700 HALL OF RECORDS

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
∡PT. Z-21	15.086				15.087	∡PT. Z-21 Pg. 15
+	6.177		6.162			
⊼	21.263	+4.037	+4.036		+4.036	
−	2.140		2.126			TIES PAGE 1
RP. Z-21	19.123				19.123	RP. Z-21 Elev. LARGE BT. SPK. W. AT. IN W. EDGE BLACK TOP DRIVE - 43.79 N. OF Z-21 ABOVE. [illegible] FROM END OF DR. DOWN FROM HWY [illegible]
+	2.120		2.108			
⊼	21.243	-9.094	-9.097		-9.096	
−	11.214		11.205			
T.P.	10.029				10.027	T.P.
+	1.957		1.935			
⊼	11.986	-0.912	-0.925		-0.909	
−	2.869		2.840			
T.P.	9.117				9.118	T.P.
+	2.767		2.719			
⊼	11.884	-4.460	-4.461		-4.461	
−	7.227		7.180			
T.P.	4.657				4.657	T.P.
+	6.912		6.902			
⊼	11.569	+3.225	+3.223		+3.226	
SET −	3.687		3.675			SET
ZB-22	7.882				7.883	B.M. ZB-22 Elev. SET LARGE BT. SPK. & W. TOP OF BLUE SAND STONE OUTCROPPING FROM BASE OF BLUFF 9'X14'X 2.5' HIGH. SPK. IS 9.5' S. OF FACE OF BLUFF; 18' E. OF OLD STAIRS; ±300' E. OF Z-22 - PG. 113.
+	4.140		4.128			
⊼	12.022	-2.651	-2.652		-2.651	
∡PT −	6.791		6.780			TIES PG. 113
Z-22	5.231				5.232	∡PT. Z-22 Elev. A 24" B.C. MON. 12" DN. AT BASE OF BLUE SAND STONE BLUFF - ±130' E. OF TRAIL HOUSE ON TOP OF BLUFF.
+	8.412		8.377			
⊼	13.643	+6.475	+6.478		+6.477	
−	1.937		1.899			
T.P.	11.706				11.709	T.P.

NOTES RED. _____ DATE _____ NOTES CHKD. _____ DATE _____

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES

SURVEY BY C.V. CRUMLEY ZUNA BEACH, ETAL

NOTES BY C.V.C. DATE 6-12-51

INDEXED A. C. Johnson DATE

F.B. 930 Pg. 157

FORM 353 1M 8-38

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR

700 HALL OF RECORDS

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	11.706				1.709	T.P.
+	6.170		6.151			
⊼	17.876	-2.998	-3.002		-3.00X0	
∡PT. −	9.168		9.153			∡ PT TIES PAGE 114
Z-23	8.708				8.708	Z-23 ELEV.
+	6.892		6.874			DOWN FROM COAST HWY STA. ± 198+50 - GATE
⊼	15.600	+5.902	5.899		+5.900	TO HSE. # 33 836 - TOP OF FLAT ROCK, BASE OF SPUR JUTTING INTO OCEAN. ± 150'E. CONC. BOX CULVT. DATE 1925 - A.C.S BRASS CAP IN CEMENT.
U.S.C.&G.S. −	0.990		0.975			Fd. NO REF
HYD. RUF.	14.610				14.608	U.S.C.&G.S. HYDROGRAPHIC STA. RUF 1933
+	2.813		2.793			Elev.
⊼	17.423	-0.154	-0.153		-0.154	A STD BRASS DISC. CEMENTED IN TOP OF ROCK TOP OF CLIFF ± 3' FROM S. EDGE ± 150' N.E. OF ABOVE ∡ PT. Z-23
−	2.967		2.946			
T.P.	14.456				14.454	T.P.
+	3.040		3.027			
⊼	17.496	-2.959	-2.958		-2.958	
SET −	5.999		5.985			SET
ZB-23	11.497				11.496	B.M. ZB-23 ELEV.
+	11.127		11.105			LARGE BT. SPK. & W. IN LEAD TOP OF YELLOW SANDSTONE LEDGE ± 22' LONG JUTTING S'WLY INTO OCEAN, AT BASE
⊼	22.624	+9.336	9.336		+9.336	OF GRADED FLAT SPUR SOUTH SIDE ROAD; ± 145' W. OF CONC. BOX CULVERT DATED 1925 ON HD WALL ± 50'S. OF 3/4" I.P. P.O.T. Z-23B Page 115
−	1.791		1.769			
T.P.	20.833				20.832	T.P.
+	11.193		11.174			
⊼	32.026	+9.535	+9.534		+9.535	
−	1.658		1.640			
T.P.	30.368				30.367	T.P.
+	11.141		11.130			
⊼	41.509	+10.278	+10.280		+10.279	
−	0.863		0.850			
T.P.	40.646				40.646	T.P.

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES. NOTES RED. DATE
SURVEY BY C.V. CRUMLEY (ZUMA BEACH, ETAL) NOTES CHKD. DATE
NOTES BY C.V.C. DATE 6-13-50
INDEXED A. C. Johnson DATE

F.B. 930 PG. 158

7

FORM 353 1M 8-38

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR

700 HALL OF RECORDS

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

Do not extend notes this side of this line

NOTES RED. DATE
NOTES CHKD. DATE
INDEXED DATE

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES, F.B. 930 PG. 159
SURVEY BY G.W.C. Krumbein, B. Eaton, E. [illegible]
NOTES BY G.W.C. DATE 6-13-51
E. C. Johnson DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	40.646				40.646	T.P. PG. 158
+	9.973		9.966			
π	50.619	+8.332	+8.333		+8.332	
−	1.641		1.633			
T.P.	48.978				48.978	T.P
+	9.542		9.531			
π	58.520	+8.109	+8.110		+8.110	
−	1.433		1.421			
T.P.	57.087				57.088	T.P. Large BT. spk. in RD. N.W. & E.H.S.E.
+	10.937		10.707			
π	68.024	+9.584	+9.583		+9.583	
−	1.353		1.324			
T.P.	66.671				66.671	T.P
+	11.300		11.285			
π	77.971	+10.048	+10.048		+10.048	
−	1.252		1.237			
T.P.	76.719				76.719	T.P
+	11.491		11.470			
π	88.210	+10.534	+10.530		+10.532	
−	0.957		0.940			
T.P.	87.253				87.251	T.P.
+	11.940		11.925			
π	99.193	+10.895	+10.894		+10.894	
−	1.045		1.031			
T.P.	98.148				98.145	T.P.
+	12.041		11.924			
π	110.189	+10.781	+10.780		+10.781	
−	1.260		1.144			
T.P.	108.929				108.926	T.P.

FORM 353 1M 8-38

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES
SURVEY BY C.V. CRUMLEY (ZUMA BEACH, ETAL.)
NOTES BY C.Y.C. DATE 6-13-51
INDEXED A. C. Johnson DATE
NOTES CHKD. DATE
NOTES RED. DATE

F.B. 930 Pg. 160

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	108.929					
T.P.	108.929				108.926	T.P. P.S. 159
+	6.441		6.430			
⊼	115.370	+2.810	+2.807		+2.808	
P583 −	3.631		3.623			Fd U.S.C.&G.S. 1942 ADJ.
U.S.3008	111.739				111.734	U.S.3008 = P-583-Elev. 111.744
+	3.512		3.506			COAST HWY - 6.2 MI. W. of ZUMA CREEK BRIDGE
⊼	115.251	-7.682	-7.682		-7.682	AT STA. E 198+50 - AT PICKET GATE WITH 4 SANDSTONE PILLARS - HSE # 3834-6
−	11.194		11.188			A U.S.C.&G.S. STD BRASS DISC. IN 10" X 10" CONC. MON. FLUSH - ON LINK FENCE LINE - 25' E. OF W'ly COR.
T.P.	104.057				104.052	T.P.
+	1.059		1.040			
⊼	105.116	-10.586	-10.588		-10.587	
−	11.645		11.628			
T.P.	93.471				93.465	T.P.
+	1.875		1.848			
⊼	95.346	-9.500	-9.502		-9.501	
−	11.375		11.350			
T.P.	83.971				83.964	T.P.
+	1.111		1.082			
⊼	85.082	-10.552	-10.552		-10.552	
−	11.663		11.634			
T.P.	73.419				73.412	T.P.
+	1.048		1.039			
⊼	74.467	-10.074	-10.073		-10.074	
−	11.122		11.112			
T.P.	63.345				63.338	T.P.
+	1.564		1.528			
⊼	64.909	-6.318	-6.321		-6.319	
−	7.882		7.849			
T.P.	57.027				57.019	T.P. LARGE BT. SPK. IN RD. OPP. HSE.

FORM 353 1M 9-38

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR

700 HALL OF RECORDS

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	57.027				57.019	T.P. PG. 16[illegible]
+	1.567		1.540			
⊼	58.594	-9.760	9.760		-9.760	
−	11.327		11.300			
T.P.	47.267				47.259	T.P.
+	1.682		1.635			
⊼	48.949	-5.938	5.936		-5.937	
−	7.620		7.571			TIES PG. 115
R.M. P.O.T. Z-23A	41.329				41.322	RM. P.O.T. Z-23A. Elev NICHOLAS CANYON - ON OLD R.R. R/W USE FOR BEACH RD. A.C.S. 24" B.C. MON. 2" UP TO FILL ± 22' S. OF CTR. RD. ± 30' E. OF CTR. CONC. BOX CULVERT DATED 1925 S.N.D. Wall & 157.50 N.E. of P.O.T. Z-23A - PG. 1[illegible]
+	3.148		3.125			
⊼	44.477	-1.207	-1.205		-1.206	
−	4.355		4.330			
P.O.T. Z-23A	40.122				40.116	P.O.T. Z-23A. Elev NICHOLAS CANYON - W. SIDE ± 3' N. OF S. EDGE FLAT (BLDG SITE) TOP SPUR PT. TO OCEAN N.W. OF & Z-23. A-C.S. 30" BRASS CAP MON. 6" IN
+	4.971		4.963			
⊼	45.093	-5.492	-5.491		-5.492	
−	10.463		10.454			TIES PG. 1[illegible]
T.P.	34.630				34.624	T.P.
+	1.845		1.832			
⊼	36.475	-8.726	-8.726		-8.726	
−	10.571		10.558			
T.P.	25.904				25.898	T.P.
+	3.116		3.088			
⊼	29.020	-0.462	-0.464		-0.463	
−	3.578		3.552			
T.P.	25.442				25.435	T.P.
+	5.471		5.336			
⊼	30.913	+0.850	+0.851		+0.850	
SET −	4.621		4.485			SET
B.M. ZB-24	26.292				26.285	B.M. ZB-24-Elev. ON BEACH RD (OLD R.R. R/W.) ± 1200' W. OF NICHOLAS CANYON, OPPOSITE EMBANKMENT FOR BLDG SITE. - SET C.S. 30" B.C. MON. WITH BUTTON IN HAND HOLE

NOTES RED.
DATE
NOTES CHKD.
DATE

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES
SURVEY BY C.V. CRUMLEY (ZUM. BEACH, ETC.)
NOTES BY C.V.C. DATE 6-14-51
INDEXED A. C. Johnson DATE

F.B. 930 PG. 161

IN CTR. OF TRAVELLED RD

FORM 353 1M 8-38

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

5.341
4.421
.920

Do not extend notes this side of this line

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES NOTES RED. DATE
SURVEY BY C.V.G. CRUMLEY (ZUMA BEACH ET AL.) NOTES CHKD. DATE
NOTES BY C.V.G. DATE 6-14-51
INDEXED R. C. Johnson DATE

T.B. 920 Pg. 162

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM ZB-24	26.292				26.285	B.M. ZB-24 Pg. 161
+	5.363		5.341			
⌅	31.655	+0.922	+0.920		0.921	
−	4.441		4.421			
T.P.	27.214				27.206	
+	4.453		4.387			
⌅	31.667	+0.200	+0.200		0.200	
−	4.253		4.187			
T.P.	27.414				27.406	
+	5.362		5.234			
⌅	32.776	+0.121	+0.219			
4 PT −	4.941		4.915			4 PT. TIES PAGE 116
Z-24	27.835					Z-24 ELEV. ON BEACH RD (OLD R.R. R/W.) ± 1800' W. OF NICHOLAS CANYON ± 22' E. OF BLACK TOP TRAIL DOWN FROM TOP BLUFF. AT BLDG SITE. A C.S. 3" BRASS CAP MON. 12" DN APPROX CTR OF R/W.
+	5.564		5.540			
⌅	33.399	−0.091	−0.092		−0.092	
−	5.655		5.632			TIES PAGE 116
RM Z-24	27.744					RM. Z-24 Elev. A.C.S. 3" BRASS CAP MON. 10" DN IN HANDHOLE 20' S. OF Z-24. - S. EDGE TRAVELLED ROAD
+	4.746		4.705			
⌅	32.490	−2.076	−2.078		−2.077	
−	6.822		6.783			
T.P.	25.668					T.P.
+	2.739		2.709			
⌅	28.407	−4.654	−4.654		−4.654	
−	7.393		7.362			
T.P.	21.014					T.P.
+	3.940		3.903			
⌅	24.954	+0.497	−0.499		−0.498	
−	4.437		4.402			
T.P.	20.517					T.P.

FORM 353 1M 8-38

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR

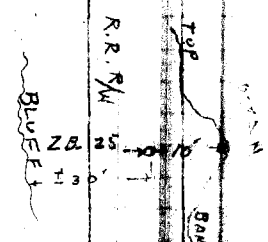
700 HALL OF RECORDS

151+00
130+44
20.56

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	20.517					T.P. PG. 162
+	6.232		6.202			
⊼	26.749	+3.096	+3.095		+3.095	
−	3.136		3.107			
T.B.M.	23.613					T.B.M. - S.E. COR. of SPLIT 2" A.P. 4 S.
+	7.897		7.881			OF OLD Fence UPBLUFF; ± 8 N. of S. Edge
⊼	31.510	+4.027	+4.025		+4.026	BANK ON BEACH.
∡ PT. −	3.870		3.856			∡ PT. TIES PG. 11
Z-25	27.640					Z-25 Elev.
+	4.072		4.059			A C.S. 30" BRASS CAP MON. 12" DN. N. SIDE
⊼	31.712	+0.112	+0.116		+0.114	OLD R.R. CUT. 8.54 S. of BANK. ± 260
−	3.960		3.943			E. OF ARROYO SEQUIT COAST HWY BRIDGE
T.P.	27.752					T.P. PT. ON ROCK. IN RD.
+	3.515		3.496			
⊼	31.267	+0.521	+0.523		+0.522	
−	2.994		2.973			
T.P.	28.273					T.P.
+	6.823		6806			
⊼	35.096	+1.034	+1.038		+1.036	
−	5.789		5.768			
T.P.	29.307					T.P.
+	4.464		4.435			
⊼	33.771	−1.536	−1.535		−1.536	
SET −	6.000		5.970			SET
ZB-25	27.771					BM. ZB-25 ELEV.-
+	3.994		3.956			COAST HWY ± 2000 E of ARROYO SEQUIT BRIDGE.
⊼	31.765	−5.340	−5.339		−5.339	± 300 S. OF STA. 151+00 - ON OLD R.R. R/W.
−	9.334		9.295			A C.S. 30" BRASS CAP MON. WITH BUTTON UP. 10' N. OF S. BANK; ± 360' E. OF WILLOW CREEK CANYON. culvert ACROSS R/W.
T.P.	22.431					T.P.



NOTES RED. _____ JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES F.B. 930 PG. 163
DATE _____ SURVEY BY C.V. CRUMLEY (ZUMA BEACH ETAL)
NOTES CHKD. _____ NOTES BY C.V.C. DATE 6-14, 15 - '51
DATE _____ INDEXED R. C. Johnson DATE

FORM 353 1M 8-38

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

88.63
69.02
108.05

Do not extend notes this side of this line

B. 93 Pg. 164

JOB NO. 8412 SURVEY OF BEACH EROSION STUDIES (ZUMA BEACH ETAL) NOTES RED. DATE
SURVEY BY C.V.C. RUMLEY DATE
NOTES BY C.V.C. DATE 6-15-51 NOTES CHKD. DATE
INDEXED E. C. Johnson DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	22.431					T.P. PAGE 163
+	1.924		1.892			
⊼	24.355	-2.060	-2.059		-2.060	
−	3.984		3.951			
T.P.	20.371					T.P.
+	5.927		5.903			
⊼	26.298	+2.036	+2.035		+2.035	
−	3.891		3.868			
T.P.	22.407					T.P.
+	2.322		2.156			
⊼	24.729	-6.792	6.791		-6.792	
⊼ PT. −	9.114		8.947			⊼ PT. TIES Page 118
Z-26	15.615					Z-26 ELEV.
+	11.145		11.110			COAST HWY ± 500' E. of ARROYO SEQUIT
⊼	26.760	+9.403	+9.402		+9.402	BRIDGE. ± 160' S'LY TOP BANK S. SIDE OLD
−	1.742		1.708			R.R. R/W. ± 210' E. of OLD CROSS FENCE.
T.P.	25.018					A.C.S. 30") BRASS CAP MON. 6" DN.
+	11.283		11.220			T.P.
⊼	36.301	+10.268	+10.267		+10.268	
−	1.015		0.953			TIES PG. 118
RM. Z-26	35.286					RM. Z-26 Elev.
+	2.047		2.008			A.C.S. 24" BRASS CAP MON. FLUSH - 108.05
⊼	37.333	-5.627	-5.628		-5.627	N. OF ⊼ Z-26, ± 2' S. of S. R/W FENCE OF
−	7.674		7.636			COAST HWY. ± 500' E. of ARROYO SEQUIT BRIDGE.
T.P.	29.659					T.P.
+	0.995		0.987			
⊼	30.654	-6.793	-6.792		-6.793	
−	7.788		7.779			
T.P.	22.866					T.P.

FORM 353 1M 10-41

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

NOTES RED _____ JOB NO. 8212 SURVEY OF BEACH EROSION STUDIES
DATE _____ SURVEY BY G.V.K. CRUMLEY, (ZONE) BEACH ERO
NOTES CHKD. _____ NOTES BY G.V.K. DATE 6-18-51
DATE _____ INDEXED _____ DATE _____

F.B. 1330 Pg. 65

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	22.866					T.P. PAGE 16
+	1.124		1.110			
⊼	23.990	-5.362	-5.299		-5.300	
−	6.426		6.409			
T.P.	17.564					T.P.
+	4.202		4.172			
⊼	21.766	-0.884	-0.884		-0.884	
−	5.082		5.056			
						No. Ref.
B.M.	16.680	(-0.553 comp)		5.567		B.M. COAST HWY AT S.E. COR. OF ARROYO SEQ...
+	5.576		5.546			BRIDGE. F.D. 4" C.O.P. IN I.S. & CONC. ASSTM...
⊼	22.156	+0.056	0.054		+0.054	MARKED: 17.2 - DID NOT FIND C... SET
						ON S.E. WING W. 1'-4"-U.S. 1329. - Elev 16.6...
U.S.G.S.	5.523		5.492			MAY BE NEW BRIDGE. (1942 ADJ.
Q-583	16.133					U.S.G.S. Q 583 Elev. 16.581
+	0.769		0.723			COAST HWY AT ARROYO SEQUIT BRIDGE...
⊼	17.402	-8.425	-8.424		-8.424	F.D. ST'D BRASS DISC S.W. COR. BRIDGE T...
−	9.192		9.167			OF ABUTMENT, 3' S. OF SOUTH GUARD RAIL
T.P.	8.208					T.P.
+	3.050		3.023			
⊼	11.258	-1.027	1.029		-1.028	
−	4.077		4.052			
SET	7.181					SET
B.M. ZB-26	7.181					B.M. ZB-26. Elev.
+	11.305		11.280			COAST HIGHWAY AT ARROYO SEQUIT...
⊼	18.486	+10.464	+10.462		+10.463	SOUTH OF BRIDGE. 1190' E. OF RESIDENCE...
−	0.841		0.818			BLUFF. SET LARGE BT. SPK. & W. IN LEAD W. S...
T.P.	17.645					OF SANDSTONE LEDGE JUTTING INTO OCEAN
						FROM E. END.
T.P.	12.521		11.964			T.P.
+	29.666	+10.500	+10.497		+10.499	
⊼	1.521		1.467			
T.P.	28.145					T.P.

FORM 353 1M 12-41

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

LB. 331-184
22.050
22.069
.731
0.662 .662

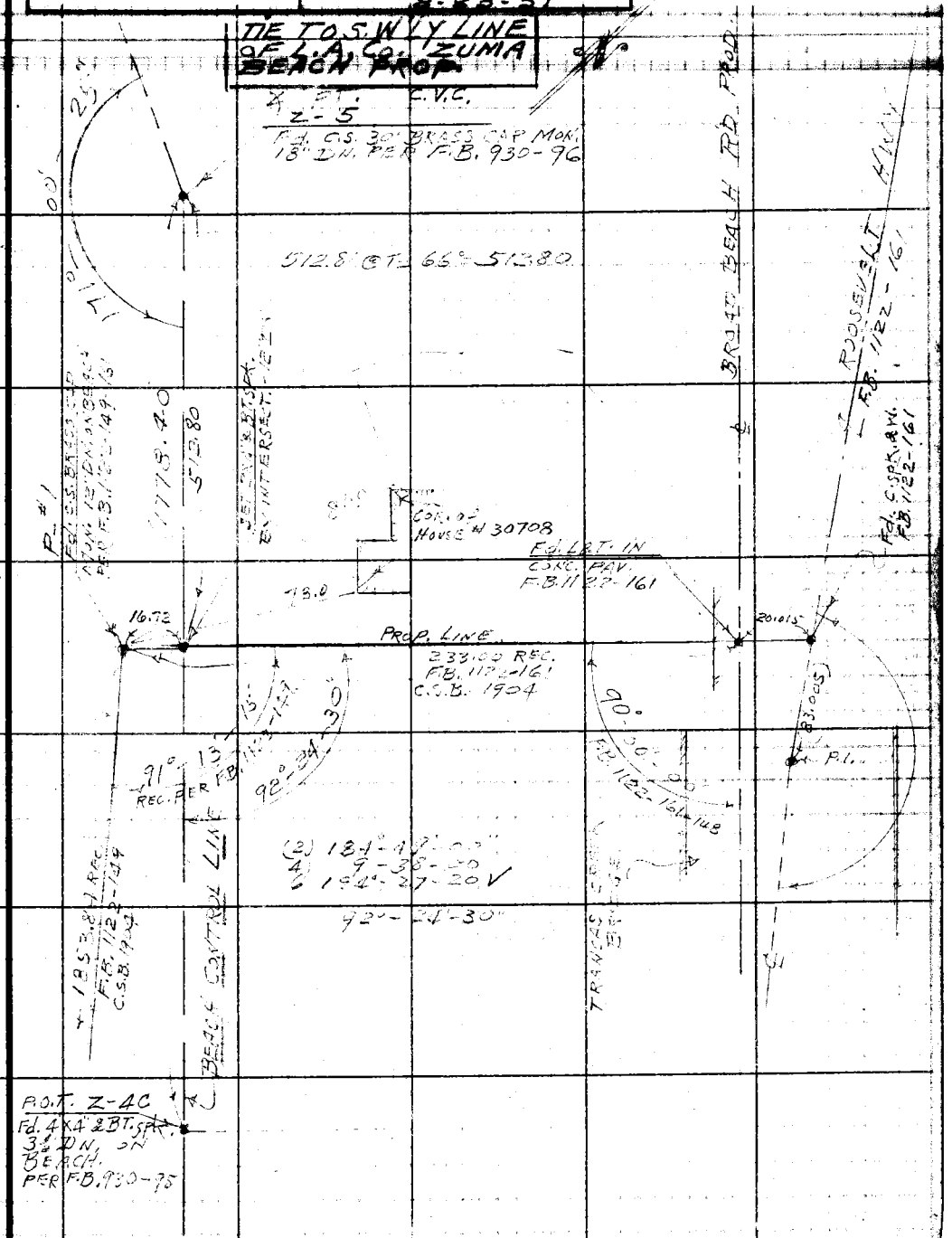
Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	28.~~145~~ 245					T.P. PAGE 165
+	7.129		7.093			
⊼	35.274	+2.456	+2.456		+2.456	
∡PT. −	4.673		4.637			∡PT. TIES PAGE 119
Z-27	30.~~287~~ 701					Z-27 ELEV. POINT SEQUIT
+	6.972		6.938			A.C.S. 35" BRASS CAP MON. 6" DN. ±40'
⊼	37.573	+4.686	+4.685		+4.685	S. OF RESIDENCE ON BLUFF
−	2.286		2.253			
T.P.	35.~~287~~ 387					T.P.
+	6.150		6.128			
⊼	41.437	−4.960	−4.957		−4.959	
−	11.110		11.085			
T.P.	30.~~327~~ 427					T.P.
+	0.902		0.842			
⊼	31.229	−7.596	−7.596		−7.596	
U.S.C.&G.S. −	8.498		8.438			
SEQUIS.	22.~~731~~ 831					

LOS NO. 8412 SURVEY OF BEACH EROSION STUDIES NOTES RED.
SURVEY BY C.V. GRUMLEY (ZUMA BEACH ETAL) DATE
NOTES BY C.V.C. DATE 6-18-51 NOTES CHKD.
INDEXED K. C. Johnson DATE DATE

Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. [illegible] Tape No. St'd. 68° °F
Office Work	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 7-31-51
Date	Indexed A. C. Johnson 8-23-51

F. B. 73 PG. 167



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

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

76F309S 247 10M 1-49

F. B. 930 Pg. 168

TIE TO SE'LY LINE OF L.A. Co. ZUMA BEACH PROP.

C.V.C. - 8-1-57

172.52 @ T=68° = 172.52

(2) 179°-47'-40"

(4) 359-35-00

(6) 179°-23-00

89°-53'-50"

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

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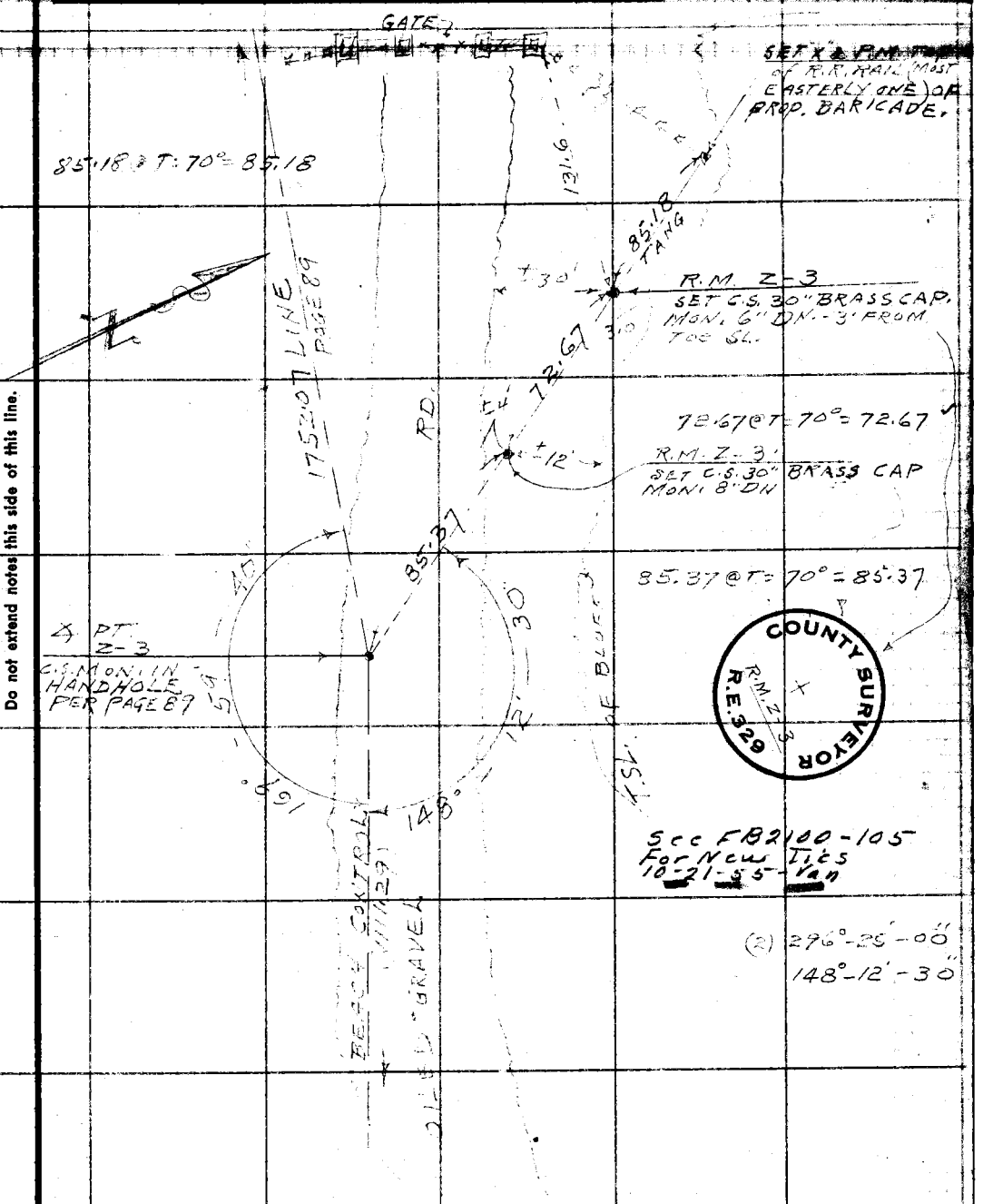
Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 0115 St'd. 68° °F
Office Work H.U.M.H.	Surveyed by C.V. CRUMLEY
Checked	Notes C.V.C. Date 3-14-51
Date	Indexed J. C. Johnson

F. B. 730 PG. 167

ZUMA

ADDITIONAL TIES TO ∡ PT. Z-3



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

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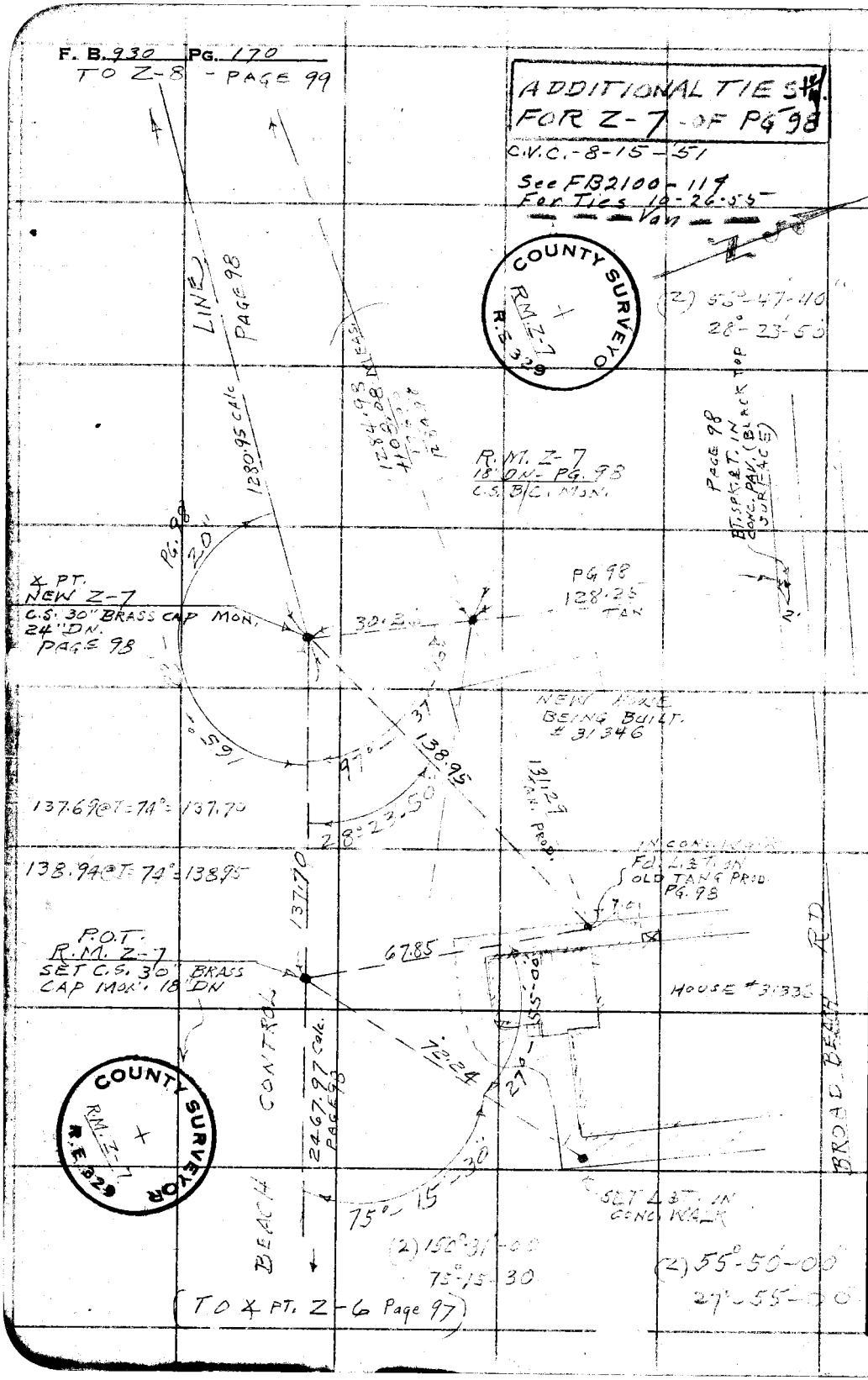
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 10M 1-49



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

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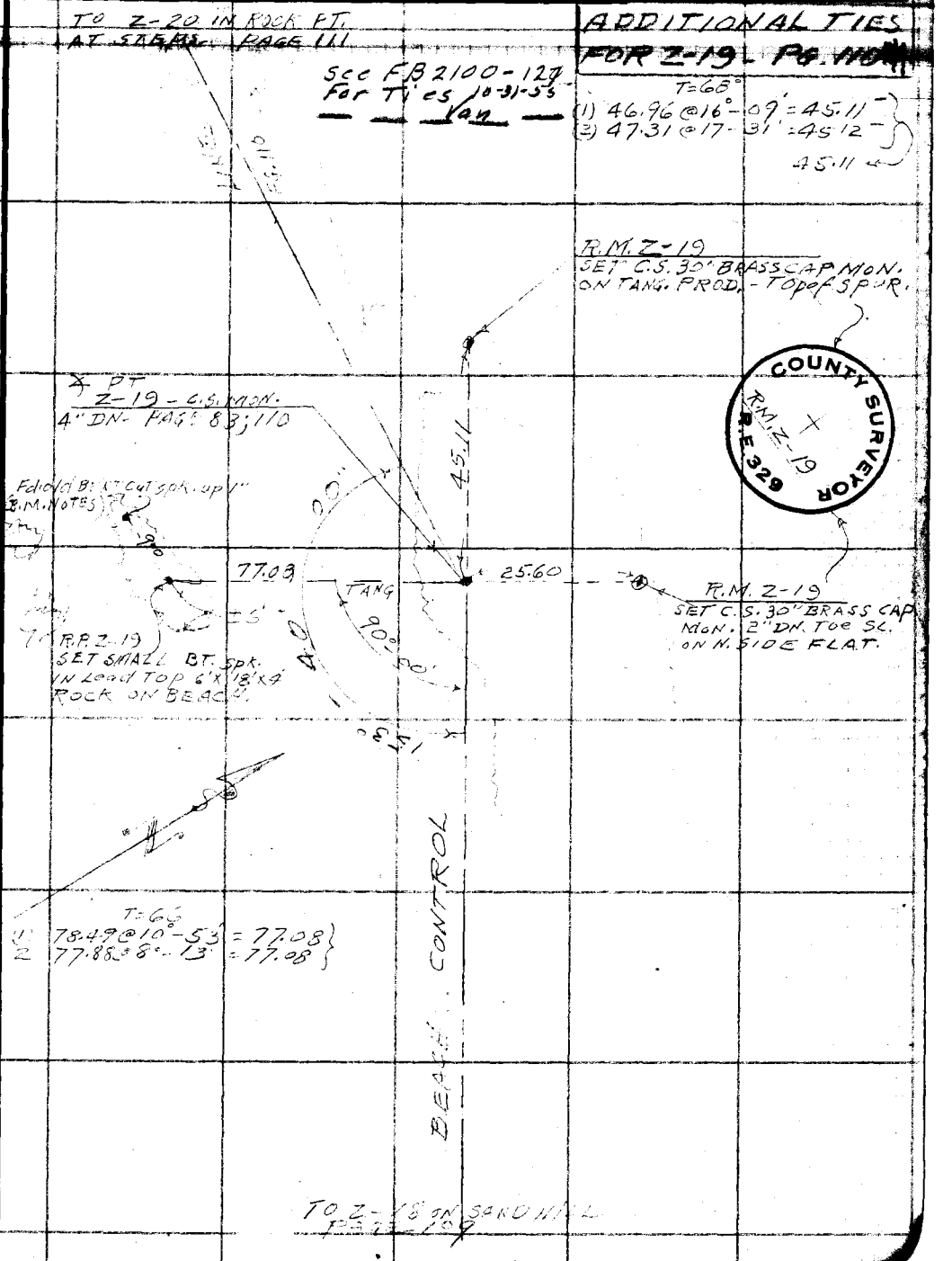
Notes Ck'd by	Survey of BEACH EROSION STUDIES
Map No.	W. O. 8412 Tape No. 0115 St'd. 68 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed [illegible]

F. B. 930 PG. 171

ZUMA

ADDITIONAL TIES FOR Z-19 - PG. 110



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

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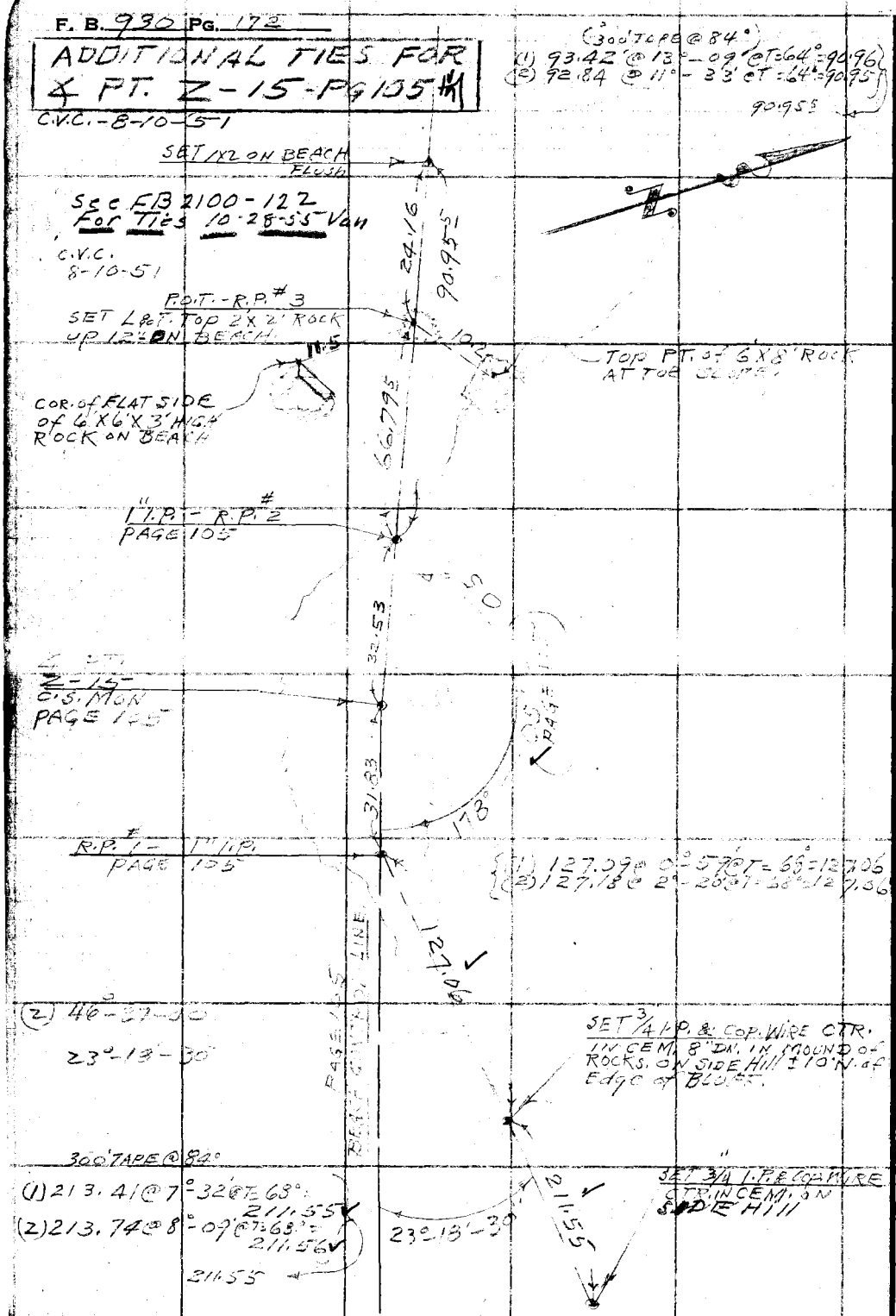
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 247 10M 1-49

F. B. 930 PG. 172

ADDITIONAL TIES FOR ∡ PT. Z-15-PG 105

C.V.C.-8-10-51



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

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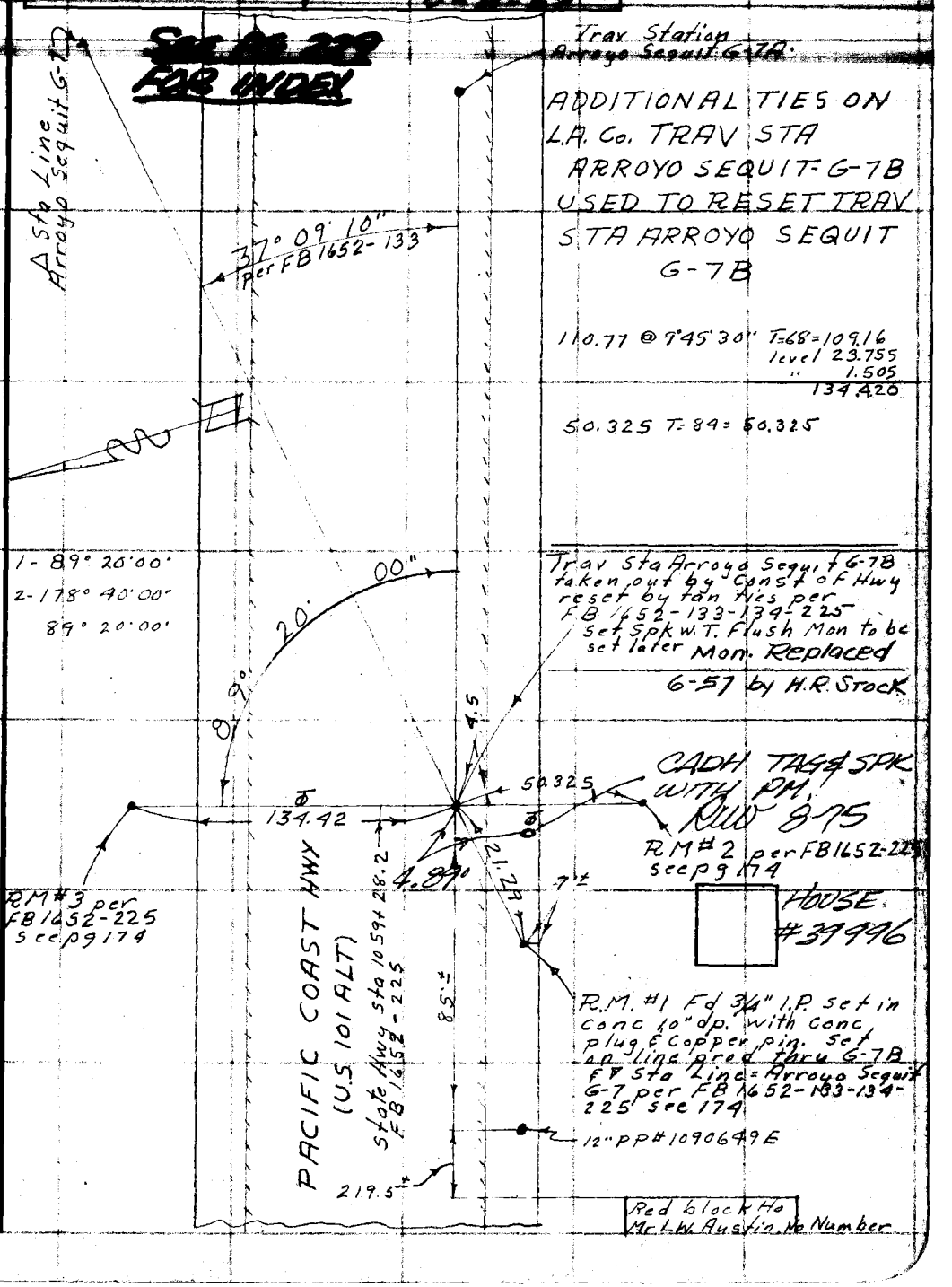
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 88 Std 84 °F
Office Work	Surveyed by M.A. Van Deren
Checked	Notes Van Date 5-14-57
Date	Indexed [illegible]

F. B. 930 PG. 173

See FB 1652-133-134-225



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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S S&E #247 1-56

F. B. 930 PG. 174

~DESCRIPTION~

TRAV STATION ARROYO SEQUIT G-7B

in Ventura Co. and on the Pacific Coast H.wy (US101 ALT) 0.9 Mile West of the Arroyo Sequit Bridge # 53-26 and about 1/3 Mile west of the L.A. Co-Ventura Co Bdy line

STATION MARK set S.W.T by tan ties per FB 1652-133-134-225 RESET JUNE 1957; A Standard 4" Brass Tablet in Conc. on 10" below Pavement in a H.H. Tablet is Stamped" L.A. Co. SURV. CONT. SUB. TRAVERSE STATION, ARROYO SEQUIT G-7B, RESET 1957, SET BY, L.A. Co. ENGR. R.E. 5869" By H.R. Stock & Party

SUBSURFACE MARK - NONE

R.M. #1 Fd a 3/4" I.P. set in conc 10" dp. conc plug and copper pin. set on line prod thru G-7B & ∇ sta Line = Arroyo Sequit G-7 per FB 1652-133-134-225

R.M. #2 Fd a 3/4" I.P. set in Conc 10" dp with conc plug and copper pin. per FB 1652-225

R.M. #3 Fd a 3/4" I.P. set in conc 10" dp. with conc plug and copper pin per FB 1652-225

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.
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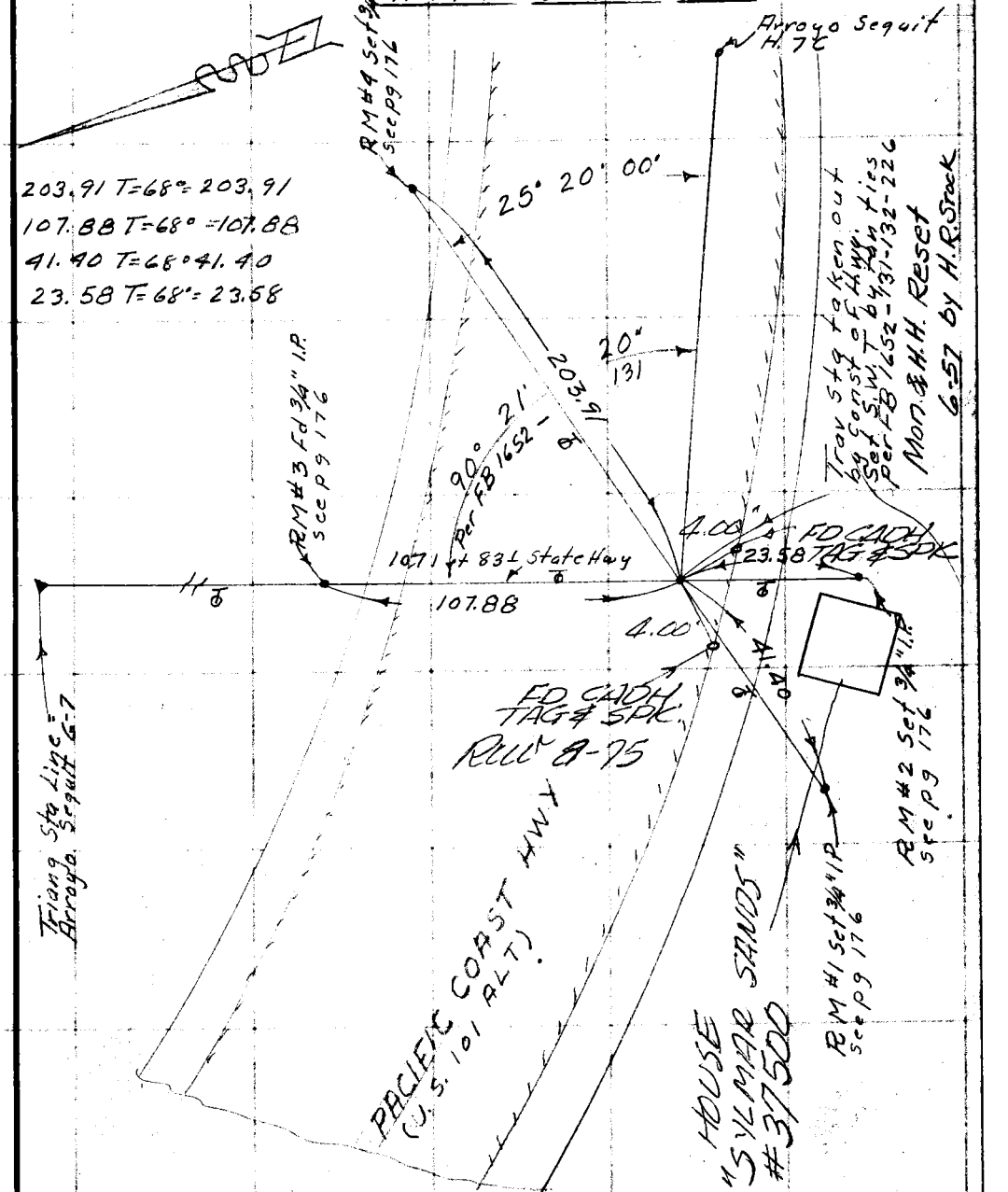
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0161 Std 68 °F
Office Work	Surveyed by M.A. Van Veren
Checked	Notes Van Date 5-14-57
Date	Indexed C. Johnson

F. B. 930 Pg. 175

See FB 1652-131-132, -226

ADDITIONAL TIES @ FOR L.A.Co. TRAV STATION ARROYO SEQUIT G-7A



203.91 T=68°=203.91
107.88 T=68°=107.88
41.40 T=68°41.40
23.58 T=68°=23.58

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F3088 S&E #247 1-56

F. B. 930 Pg. 176

~DESCRIPTION~

TRAV STATION ARROYO SEQUIT G-7A

in Ventura Co on the Pacific Coast Hwy (U.S. 101 ALT) 0.65 Miles west of the Arroyo Sequit Bridge # 53-26 near to and just east of Munholland Hwy. and about 450' west of the L.A. Co-Ventura Co Bdy line.

STATION MARK.-

Set S.W.T. by tan ties per FB 1652-131-132-226

RESET JUNE 1957, A STANDARD 4" BRASS TABLET IN CONCRETE DN. 10" BELOW PVT. IN A H.H. TABLET IS LETTERED "L.A. CO. SURV. CONTROL SYSTEM TRAVERSE STATION ARROYO SEQUIT G-7A RESET 1957, SET BY L.A. CO. ENGR. R.E. 5269

6-57 H.R. Stack

SUBSURFACE MARK: NONE

RM #1 Set a 3/4" I.P. conc plug & Tag 12" dp.

RM #2 Set a 3/4" I.P. conc plug & Tag 12" dp on line prod thru G-7A & ∇ Station line = Arroyo Sequit G-7

RM #3 Fd. 3/4" I.P. set in conc 10" dp. with conc plug & Copper pin and on line to ∇ station Line = Arroyo sequit G-7 per FB 1652-226

RM #4 Set a 3/4" I.P. conc plug & Tag 12" dp

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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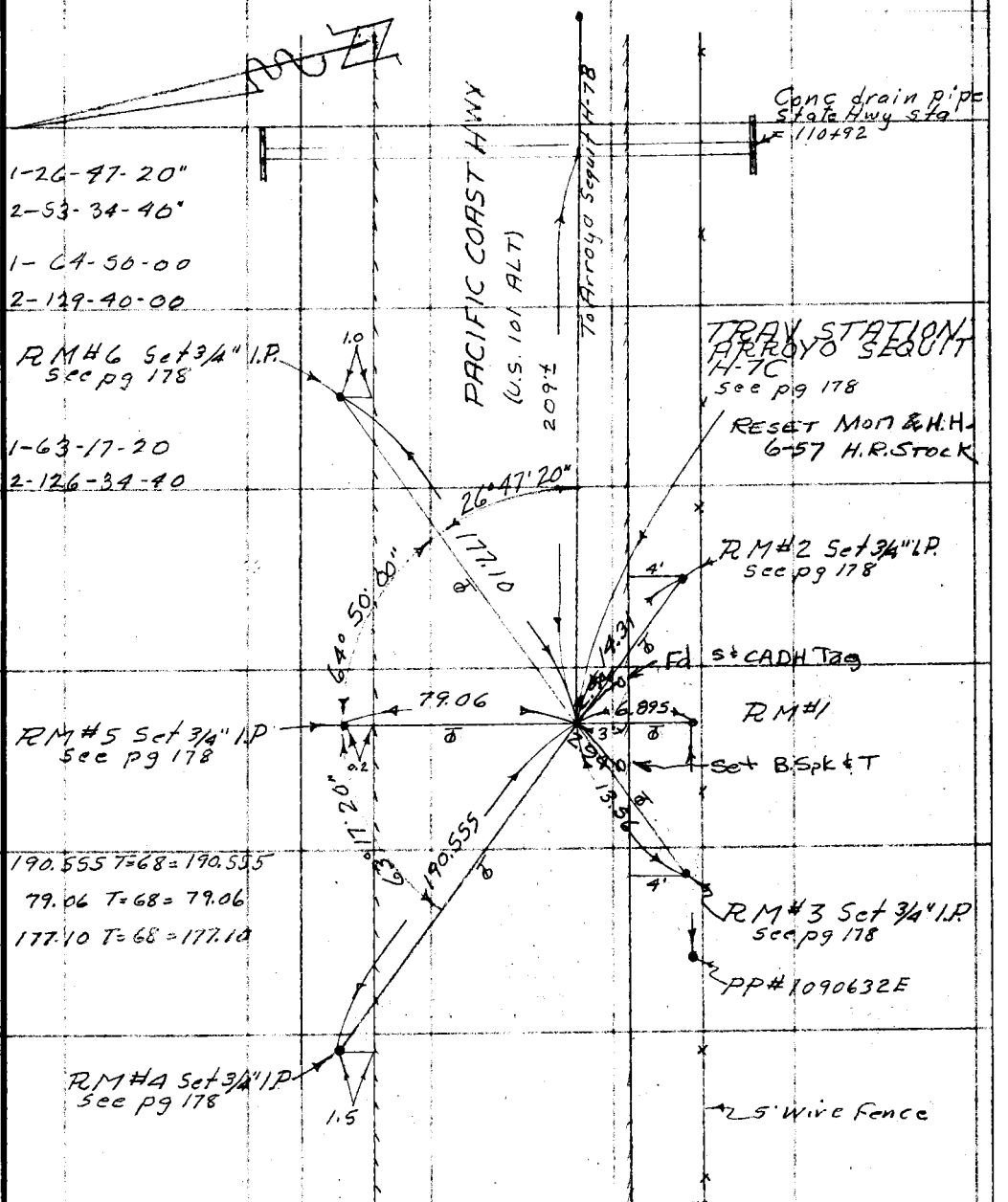
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0161 Std 68 °F
Office Work	Surveyed by W. A. Von Dreele
Checked	Notes Date 5-16-57
Date	Indexed B. C. Johnson

F. B. 930 Pg. 177

FB 1652-141-142

ADDITIONAL TIES FOR L.A.CO. TRAV. STATION ARROYO SEQUIT H-7C



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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F3095 S&E #247 1-56

F. B. 930 Pg. 178

— DESCRIPTION —

TRAV. STATION "ARROYO SEQUIT H-7C"

In L.A. Co. on the Pacific Coast Hwy. (U.S. 101 Alt.) 0.4 mile west of the Arroyo Sequit Bridge #53-2L near to & just east of Malibu Hwy.

SUB SURFACE H.R.S. June 57

STATION MARK: Fd a std 4" brass tablet set in conc 20" dp. inscribed L.A.CO SURV CONT. SYS. TRAV. STA. ARROYO SEQUIT-H-7C-1950- set by County Surveyor. R.E. 329 per FB 1652-141-142

STATION ~~SUBSURFACE~~ MARK SET A STANDARD 4" BRASS TABLET IN CONC. ON 10" BELOW PVT. IN E.H.W. TABLET IS LETTERED "L.A. CO. SURV. CONTROL SYSTEM TRAV. STA. ARROYO SEQUIT H-7C 1950 SET BY L.A. COUNTY ENGR. C.E. 5869." H.R.S. JUNE, 1957

RM#1 Set 3/4" I.P. conc plug & tag 14" dp

R.M. #2 Set 3/4" I.P. conc plug & tag 16" dp

R.M. #3 Set 3/4" I.P. conc plug & tag 10" dp

R.M. #4 Set 3/4" I.P. conc plug & tag 14" dp

R.M. #5 Set 3/4" I.P. conc plug & tag 6" dp

R.M. #6 Set 3/4" I.P. conc plug & Tag 14" dp

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700 Los Angeles County Engineering Bldg.
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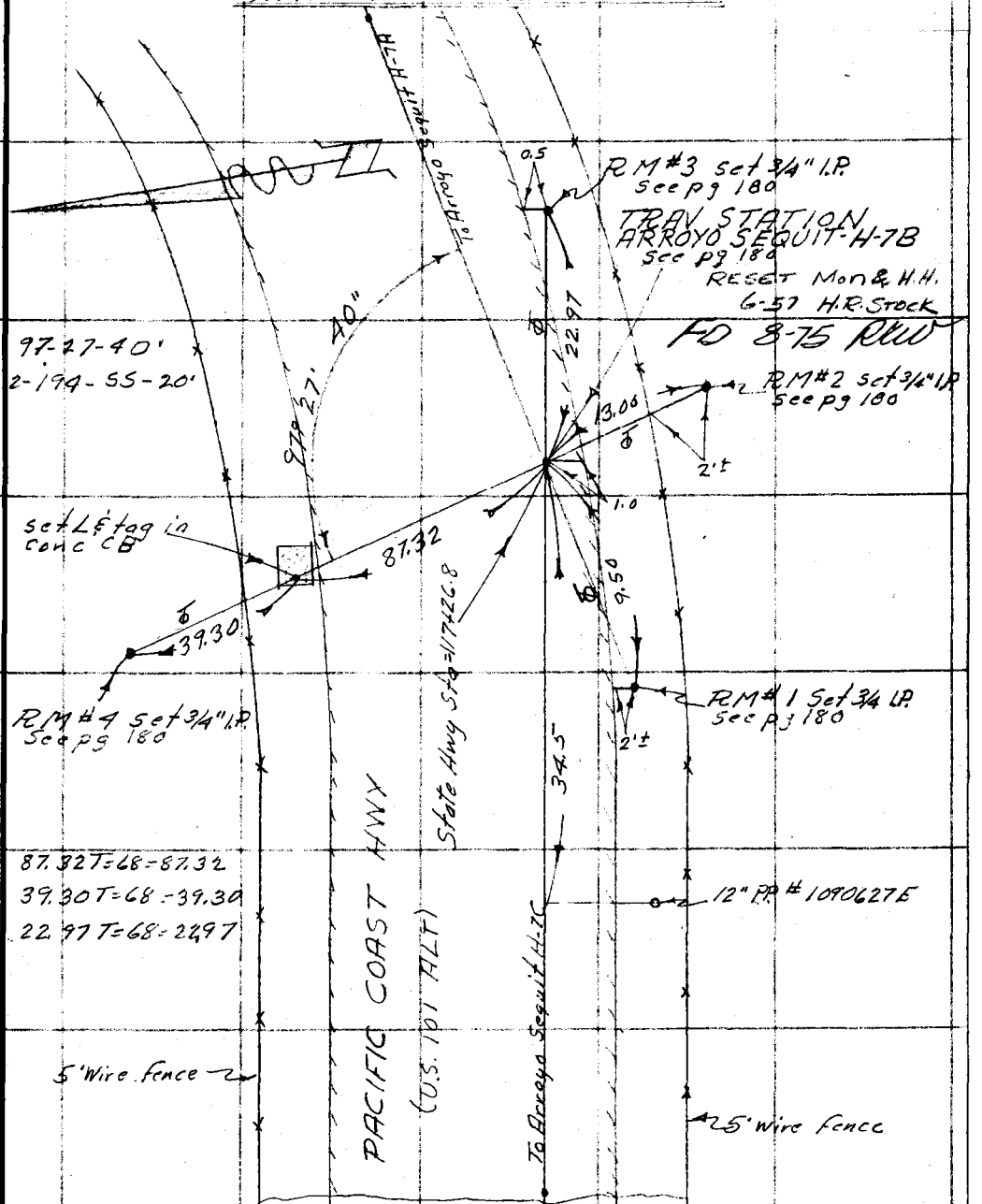
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0161 Std 68 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 5-16-57
Date	Indexed [illegible] C. Johnson

F. B. 930 PG. 179

See FB1652-139-140

ADDITIONAL TIES FOR L.A. CO. TRAV. STATION ARROYO SEQUIT H-7B



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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S S&E #247 1-56

F. B. 930 Pg. 180

—DESCRIPTION—

TRAV. STATION "ARROYO SEQUIT H-7B"

In L.A. Co. on the Pacific Coast Hwy (U.S. 101 A.T.) 0.25 mile west of the Arroyo Sequit Bridge No 53-26 near to & just east of Malibu Canyon Hwy.

SUB-SURFACE H.R.S. JUNE, 1957

~~STATION~~ MARK: Fd a Std 4" brass tablet set in conc 24" dp ~~stamped~~ L.A. CO. SURV. CONT. SYS. TRAV. STA ARROYO SEQUIT H-7B-1950, set by Co Surveyor. R.E. 329 FB1652-139-140

STATION

~~SUBSURFACE~~ MARK: SET A STD. 4" BRASS TABLET IN CONC. DN. 10" BELOW PVT. IN A H.H. TABLET IS STAMPED: L.A. CO. SURV. CONT. SYS. TRAV. STA. ARROYO SEQUIT H-7B RESET 1957, SET BY L.A. CO. ENGR. R.E. 5869." H.R.S. JUNE, 1957

R.M. #1 Set 3/4" I.P. Conc plug & tag 12" dp on line prod Thru H-7B & From H-7A

R.M. #2 Set 3/4" I.P. conc plug & tag 12" dp

R.M. #3 Set 3/4" I.P. conc plug & tag 12" dp on line prod Thru H-7B & From H-7C

R.M. #4 Set 3/4" I.P. conc plug & tag 12" dp.

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700 Los Angeles County Engineering Bldg.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0501.00 Tape 0161 Std C & °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. Johnson

F. B. 930 PG. 181

ADDITIONAL TIES FOR L.A. CO. TRAV STATION ARROYO SEQUIT #-7A

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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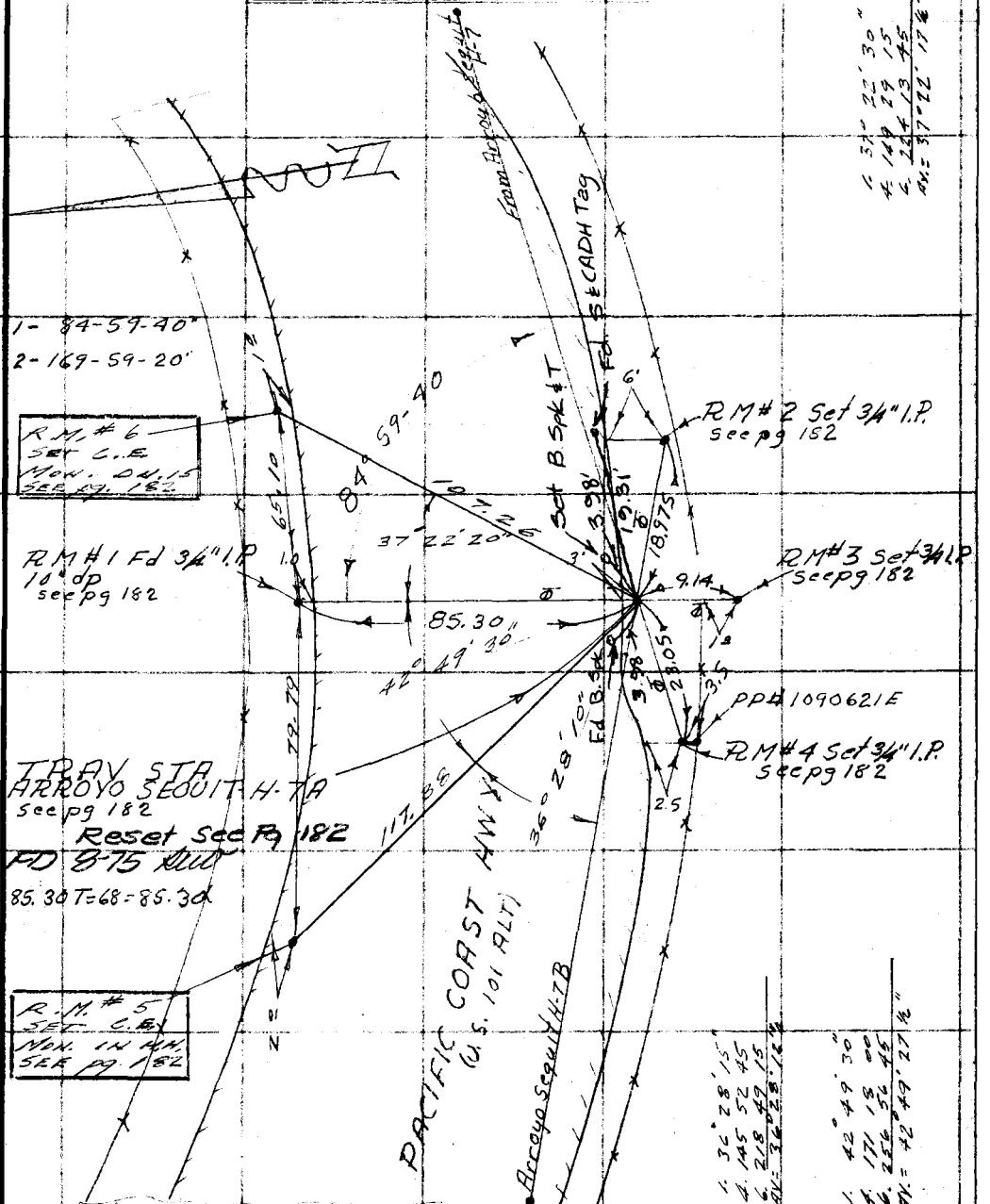
76F309S S&E #247 1-56



F. B. 930 Pg. 182

—DESCRIPTION—

TRAV. STATION "ARROYO SEQUIT H-7A"

In L.A. Co. on the Pacific Coast Hwy. (U.S. 101 A.T.) 0.1 mile west of the Arroyo Sequit Bridge No 53-21 near to E. just east of Multnomah Hwy.

SUB-SURFACE H.R.S. JUNE, 1952

STATION MARK: Fd a std 4" brass tablet set in conc 40" dp & stamped L.A. CO. SURV. CONT. SYS. TRAV. STA. ARROYO SEQUIT-H-7A 1950, set by Co Surveyor R.E. 329 per FB 1652-137-138

STATION

SUB-SURFACE MARK: SET A STD. 4" BRASS TABLET IN A 14" X 14" CONC. PAD 12" 3" FROM SURFACE. TABLET IS STAMPED "L.A. CO. SURV. CONT. SYS. TRAV. STA. ARROYO SEQUIT H-7A RESET 1957. SET BY L.A. CO. ENGR. RE. 5869. H.R.S. JUNE, 1957

RM #1 Fd 3/4" I.P. 12" dp set in conc with conc plug and copper pin. per FB 1652-137-138

RM #2 Set 3/4" I.P. 18" dp. conc plug & tag on line prod thru H-7A. from H-7B

R.M. #3 Set 3/4" I.P. 12" dp. conc plug & tag

RM #4 Set 3/4" I.P. 18" dp. Conc plug & tag on line prod thru H-7A. From H-7

RM #5 SET A STD. BRASS CAP MON. IN A HH. MARKED, COUNTY ENGINEER RE 5869 H7A R.M. NO. 5. 1957.

RM #6 SET A STD BRASS CAP MON. ON 15" & STAMPED COUNTY ENGINEER RE 5869 H7A R.M. #6 1959. 2-25-59 E.K.R.

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700 Los Angeles County Engineering Bldg.
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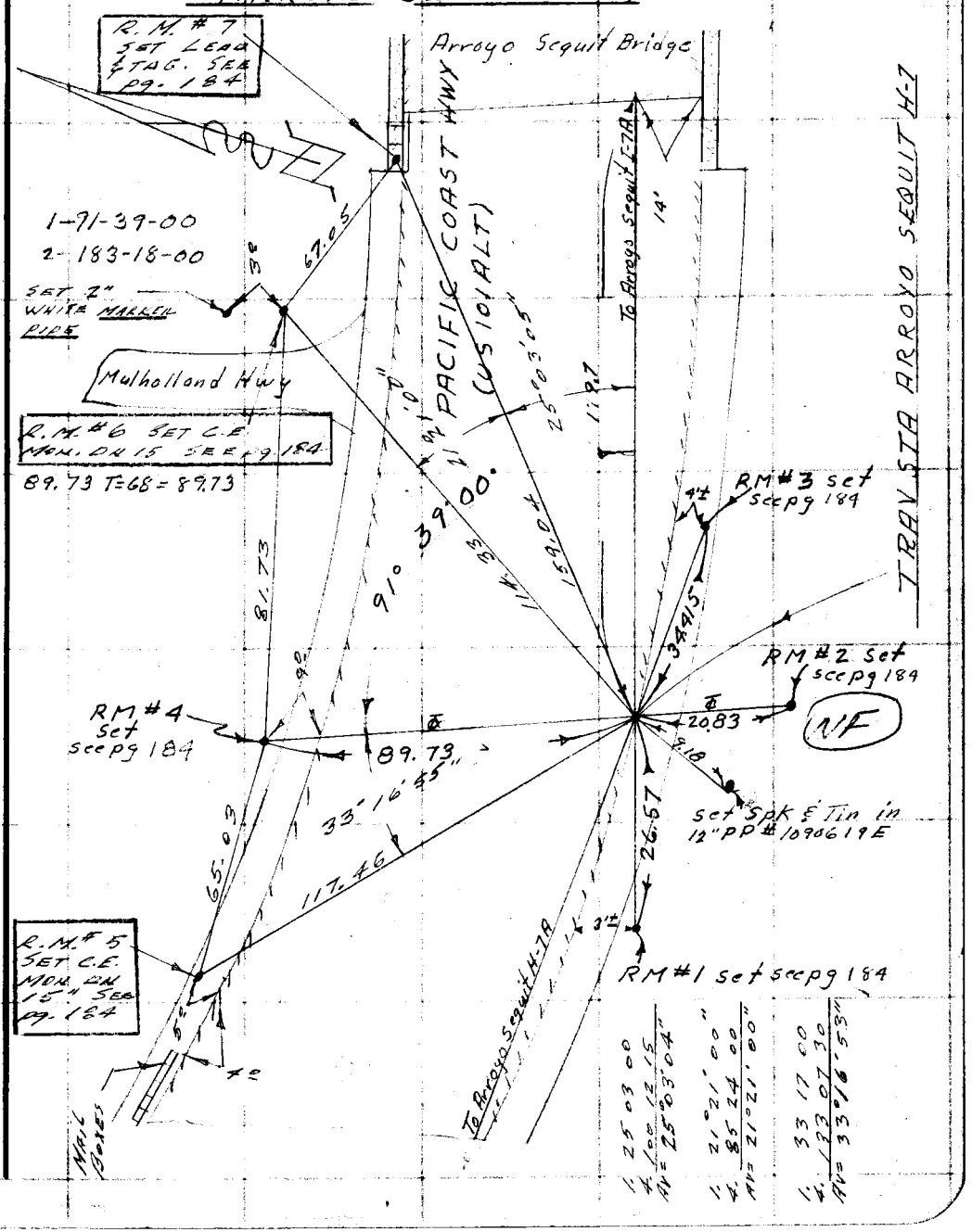
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0161 Std 68 °F
Office Work	Surveyed by M.A. Van Dercy
Checked	Notes Van Date 2-25-59
Date	Indexed C. Johnson

F. B. 930 PG. 183

ADDITIONAL TIES FOR LA. Co TRAV STATION

ARROYO SEQUIT-H-7



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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S S&E #247 1-56

F. B. 930 PG. 184

~ DESCRIPTION ~

TRAV STATION ARROYO SEQUIT H-7

in LA. Co on the Pacific Coast Hwy (U.S. 101 Alt) at its junction with Malholland Hwy. in Arroyo Sequit Canyon and 0.6 Mile East of the Los Angeles - Ventura Co line

SUB-SURFACE - H.R.S. JUNE, 1957

~~STATION MARK~~ · Fd a 4" brass tablet set in conc 27" dp. and stamped L.A. Co Survey Cont System Trav station Arroyo Sequit H-7 1950 Set by Co Surveyor R.E. 329 See FB 1652 - 135-136 FB 933 - 215

STATION MARK: SET A STD 4" BRASS TABLET IN CONC 10" BELOW FLOW LINE OF GUTTER. TABLET IS LETTERED "L. A. CO. SURV. CONT. SYS. TRAV. STA. ARROYO SEQUIT H-7 RESET 1957. SET BY L.A. CO. SURV. R.E. 329." H.R.S. JUNE

RM #1 Set a 3/4" I.P. conc plug & Tag 12" dp on line prod thru H-7 & Arroyo Sequit I-7A

R.M. #2 Set 3/4" I.P. conc plug & Tag 12" dp

R.M. #3 Set 3/4" I.P. conc plug & Tag 12" dp on line prod thru H-7 & Arroyo Sequit H-7A

RM #4 Set 3/4" I.P. Conc plug & Tag 12" dp

R.M. # 5 SET A STD C.E. BRASS CAP MON. IN 12" STAMPED, COUNTY ENGINEER R.E. 5869 H7A R.M. No 5 1959.

R.M. #6 SET A STD C.E. BRASS CAP MON. IN 12" STAMPED, COUNTY ENGINEER R.E. 5869 H7A R.M. # 6 SET A 2" WHITE MARKER PIPE 3' NLY. OF 3'

R.M. #7 SET A LEAD & TAG STAMPED "L. A CO ENGR", IN TOP OF CONC. BRIDGE WALL.

2-25-59 C.K.L.

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700 Los Angeles County Engineering Bldg.

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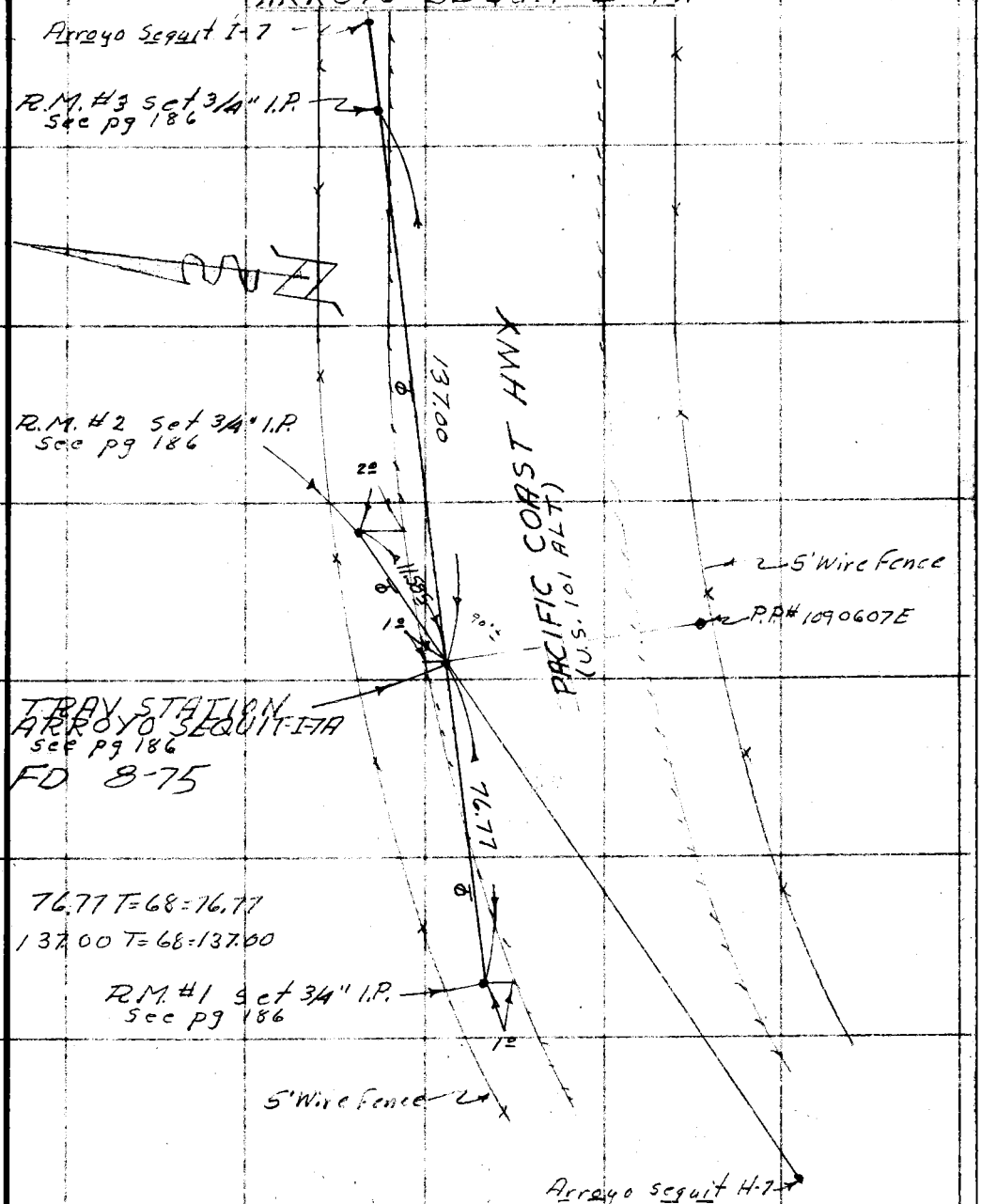
Notes Ck'd by	Survey of [illegible]
Map No.	JN 0301.00 Tape [illegible] Std [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes M.A. Van D. Date 5-16-57
Date	Indexed [illegible] C. Johnson

F. B. 930 PG. 185

ADDITIONAL TIES FOR L.A. CO. TRAV. STATION

ARROYO SEQUIT I-7A



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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F3098 S&E #247 1-56

F. B. 930 Pg. 186

—DESCRIPTION—

TRAVERSE STATION "ARROYO SEQUIT I-7A"

In L.A.Co. on the Pacific Coast Hwy. (U.S. 101 Alt.) about 8 miles west of Decker Rd. in Los Angeles Co. & 0.35 mile east of Mulholland Hwy. in Arroyo Sequit Cañ.

Now SUB SURFACE H.R. STOCK JUNE 1957

~~STATION MARK~~: Rd a std 4" brass tablet set in conc 30" dp and stamped LA. CO. SURV. CONT. SYS. TRAV. STA. ARROYO SEQUIT I-7A, 1950 - Set by County Surveyor. R.E. 329-FB 1652-145-146. A 10" Layer of Sand was placed over this mon. & A new surface mark set June 1957 by H.R. Stock

STATION [illegible]

JUNE 1957 H.R. Stock

R.M. #1 set 3/4" I.P. 18" dp. with conc plug & tag on line prod thru I-7A From I-7

R.M. #2 set 3/4" I.P. 18" dp. with conc plug & tag on line prod thru I-7A from H-7

R.M. #3 set 3/4" I.P. 18" dp with conc plug & tag on line to I-7

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700 Los Angeles County Engineering Bldg.

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

Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0161 Std 68 °F
Office Work	Surveyed by M.A. Van Deren
Checked	Notes Van Date 5-29-57
Date	Indexed K. C. Johnson

F. B. 930 PG. 187

ADDITIONAL TIES FOR L.A. CO. TRAN. STATION

ARROYO SEQUIT I-7

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

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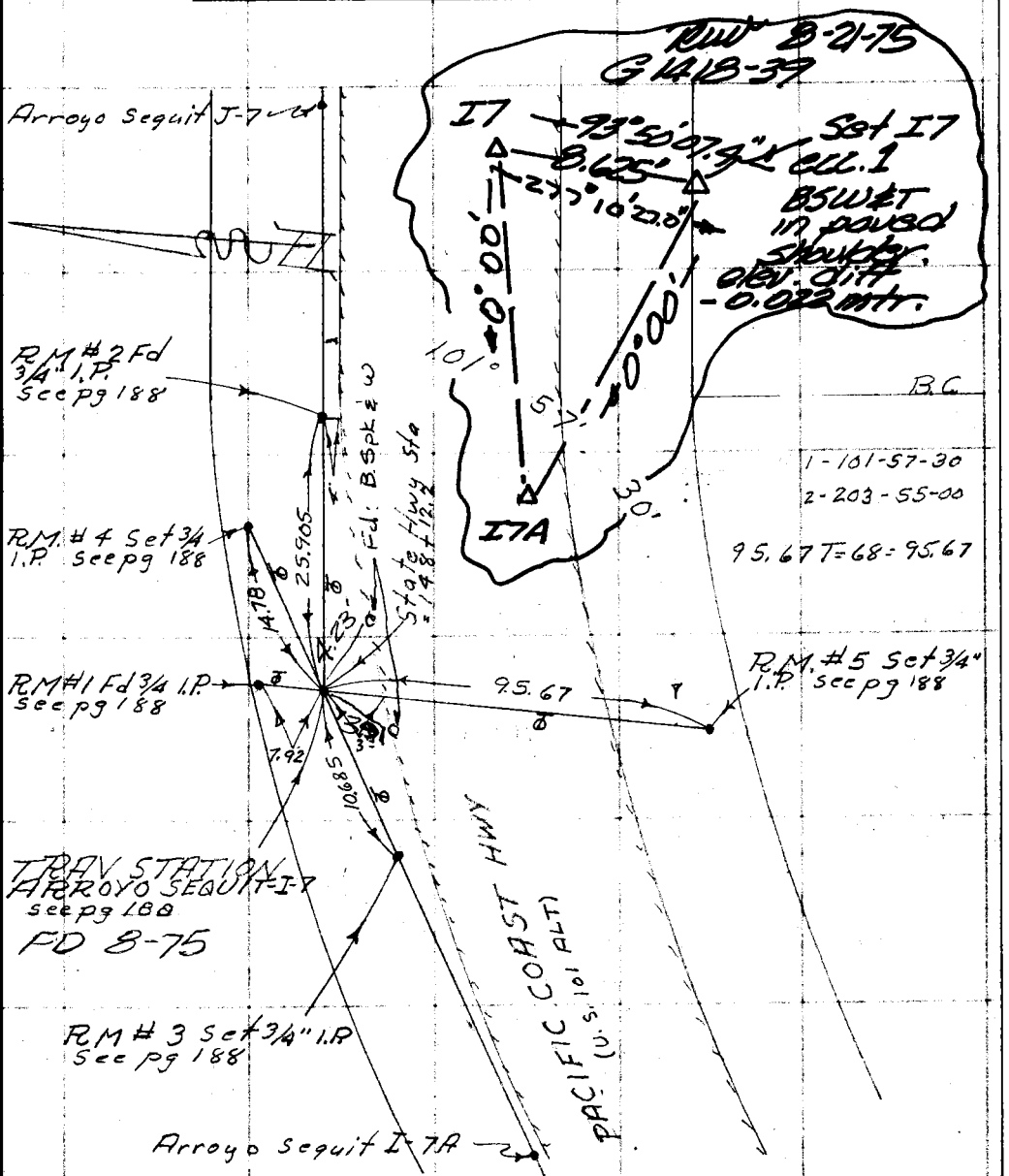

76F3095 S&E #247 1-56

F. B. 930 PG. 188

-DESCRIPTION-

TRAVERSE STATION ARROYO SEQUIT I-7

In L.A. Co. and on the Pacific Coast Hwy. (U.S. 101 Alt) about 2 miles west of Decker Road. in Los Alisos canyon. and about 0.35 miles east of Mulholland Hwy in Arroyo Sequit canyon.

RESET JUNE 1957 by H.R. Stock see below

STATION MARK: Fd a std 4" brass tablet set in conc. 24"dp. and stamped. L.A.CO. SURV. CONT. SYS. TRAV. STA. ARROYO SEQUIT I-7 -1950, set by Co Surveyor. R.E. 329 See FB 1652-143-144-227

STATION SUBSURFACE MARK: RESET [illegible]

[illegible]

R.M. #1 Fd a 3/4" I.P set in Conc. with conc plug & copper pin. per FB 1652-143-144-227 (12" down)

R M #2 Fd 3/4" I.P set in conc 24"dp & 0.02 North of line. reset pipe on line. with conc plug & copper pin per FB 1652-143-144-227. pipe is on line to J-7

R M #3 Set 3/4" I.P conc plug & tag 18"dp. and on line to 1-7A

R M #4 Set 3/4" I.P conc plug & tag 18"dp. on line prod thru I-7 From I-7A

R M #5 set 3/4" I.P conc plug & tag 18"dp

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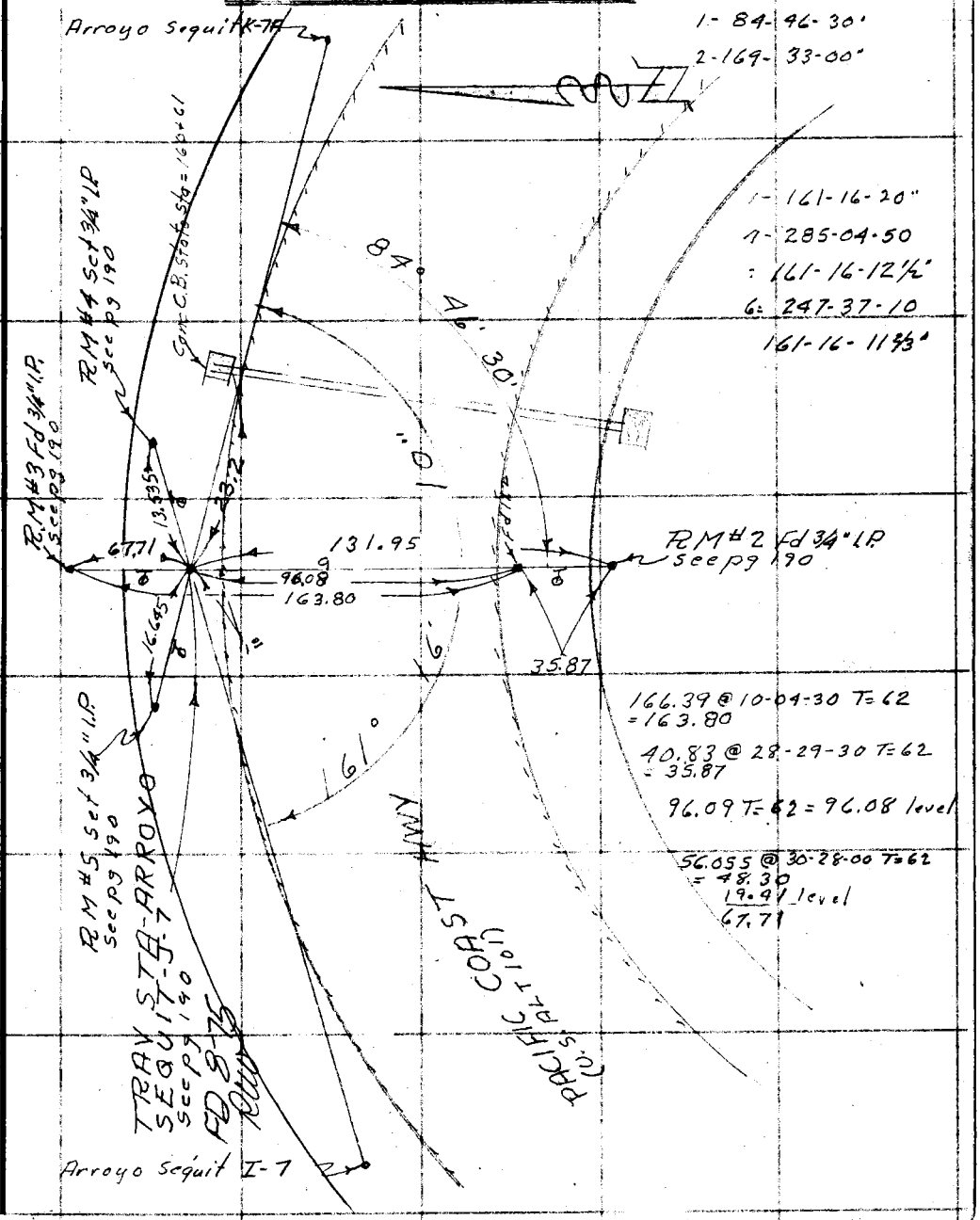
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.08 Tape 140 Std 84 °F
Office Work	Surveyed by W. A. VanDeVelde
Checked	Notes [illegible] Date 5-14-57
Date	Indexed [illegible]

F. B. 930' Pg. 189

ADDITIONAL TIES FOR L.A. CO. TRAV. STATION ARROYO SEQUIT I-7



166.39 @ 10-04-30 T=62
= 163.80

40.83 @ 28-29-30 T=62
= 35.87

96.09 T=62 = 96.08 level

56.055 @ 30-28-00 T=62
= 48.30
19.41 level
67.71

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76F3095 S&E #247 1-56

F. B. 930 PG. 190

—DESCRIPTION—

TRAVERSE STATION "ARROYO SEQUIT J-7"

In L.A. Co., on the Pacific Coast Hwy. (U.S. 101 A.T.) about 1.75 miles West of Decker Rd. in Los Alisos Cn., & 0.6 mile east of Mulholland Hwy. in Arroyo Sequit Cn.

STATION MARK: Fd a std 4" brass tablet set in conc. 2" dp. 1.00 S'ly of original location & stamped L.A. CO. SURV. CONT. SYS. TRAV. STA ARROYO SEQUIT - J-7 - 1955 - RESET 1955, RE 63 - Set by Co Surveyor. Mon to be reset at original location by tan ties. per FB 1652-228

RESET STATION MARK

SUBSURFACE MARK: JUNE 1957 H.R.S IN ORIGINAL LOCATION PER THIS F.B. RESET A STANDARD 4" BRASS TABLET IN CONC. AND STAMPED, L.A.CO. SURV. CONT. SYS. TRAV. STA., ARROYO SEQUIT J-7, RESET 1957, SET 8" L.A.Co. ENGR. R.E. 5863'. MON. IS SET IN BURM OF N'LY SHOULDER 6" Above flush.

RM#2 Fd 3/4" I.P set in conc 12" dp with conc plug & Copper pin. per FB 1652-147-228

RM#3 Fd 3/4" I.P set in conc 12" dp with conc plug & copper pin. per FB 1652-147-228

RM#4 Set 3/4" I.P conc plug & Tag 14" dp

RM#5 Set 3/4" I.P conc plug & Tag 16" dp

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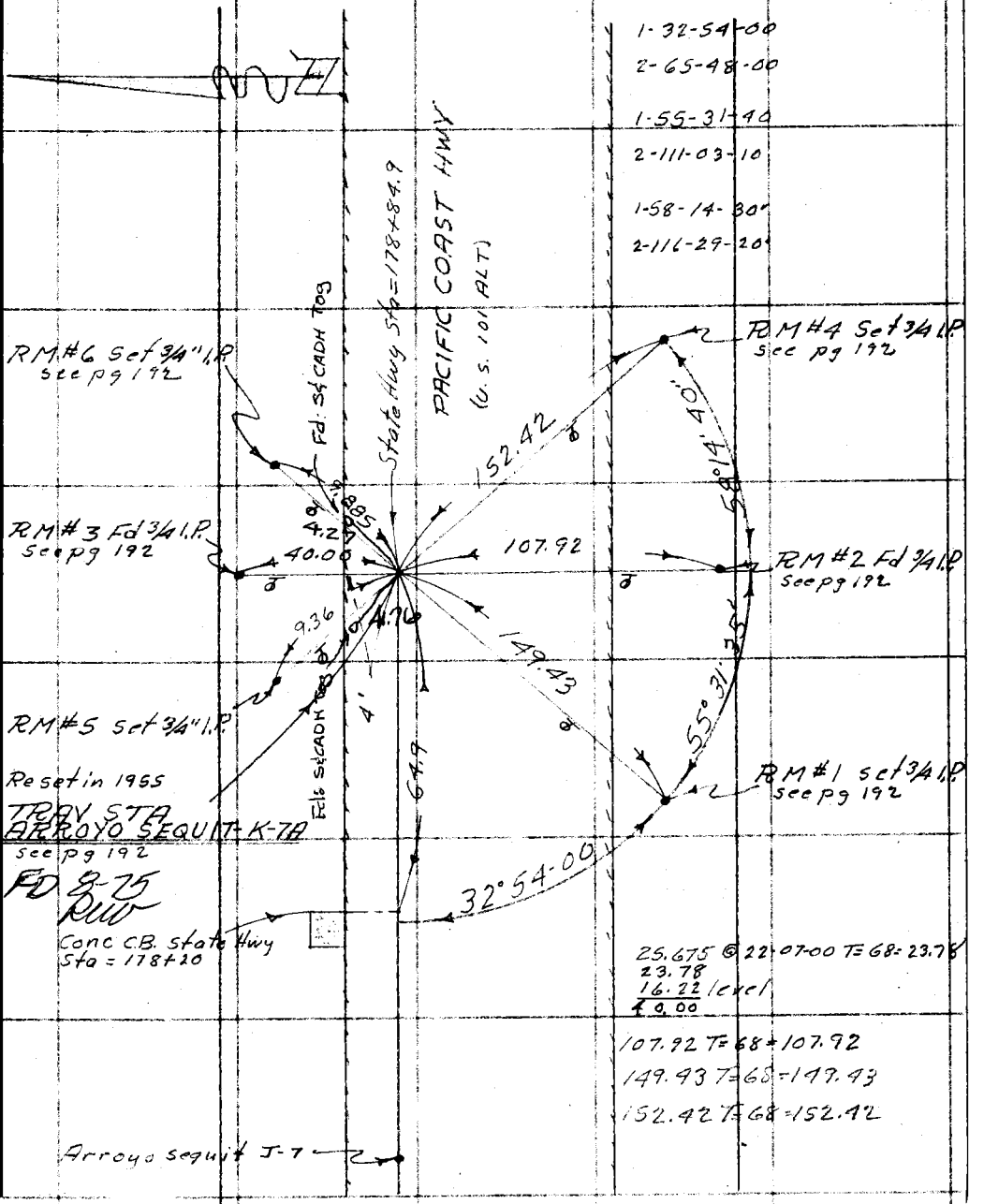
Notes Ck'd by	Survey of Geodetic Control	F. B. 930 Pg. 191
Map No.	JN 0301.00 Tape 0161 Std 68 °F	
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date 5-16-57	
Date	Indexed C. Johnson	

ADDITIONAL TIES FOR L.A. CO. TRAVERSE STA. ARROYO SEQUIT K-7A



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76F3095 S&E #247 1-56

F. B. 930 Pg. 192

— DESCRIPTION —

TRAVERSE STATION "ARROYO SEQUIT K-7A"

In L.A. Co. on the Pacific Coast Hwy. (U.S. 101 A.T.) about 1.5 miles west of Decker Rd. in Los Alisos Cañ, & 0.7 mile east of Mulholland Hwy. in Arroyo Sequit Cañ.

STATION MARK: Fd a std 4" brass tablet set in conc 8" dp. and stamped. L.A. CO. SURV. CONT. SYS. TRAVERSE STA. ARROYO SEQUIT-K-7A RESET 1955-R.E.63 set by Co Surveyor per FB 1652-151-229

June 1957 H. R. Stock installed H.H. cover & conc. pad.

SUBSURFACE MARK: None

R.M. #1 Set 3/4" I.P. conc plug & tag 16" dp

R.M. #2 Fd 3/4" I.P. conc plug & copper pin 10" dp per FB 1652-229

R.M. #3 Fd 3/4" I.P. conc plug & copper pin 10" dp per FB 1652-229

R.M. #4 Set 3/4" I.P. conc plug & tag 16" dp

R.M. #5 Set 3/4" I.P. conc plug & tag 14" dp

R.M. #6 Set 3/4" I.P. conc plug & tag 14" dp

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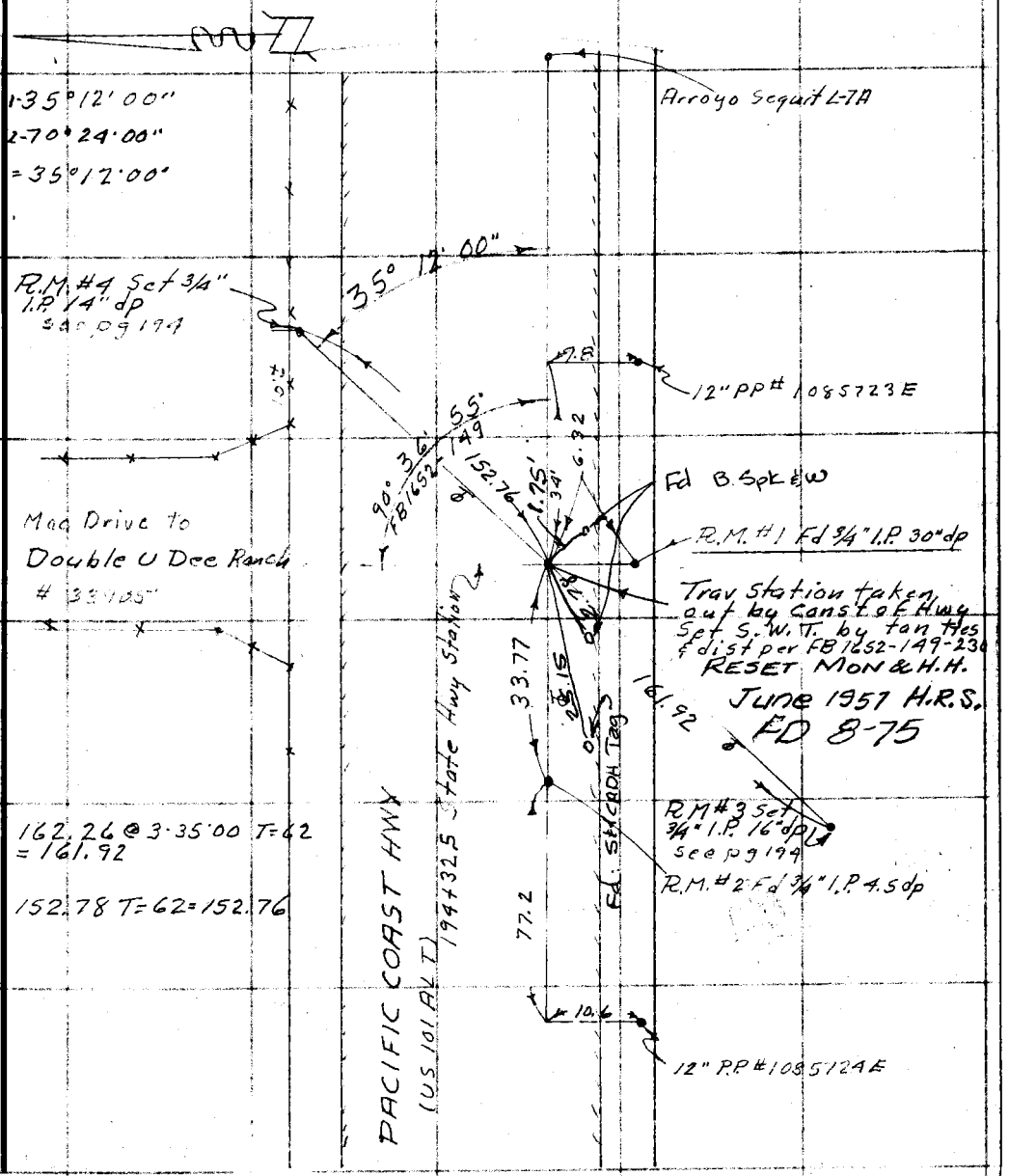
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 140 Std 84 °F
Office Work	Surveyed by: M.A. VanDeren
Checked	Notes Van Date 5-15-57
Date	Indexed C. Johnson

F. B. 930 PG. 193

ADDITIONAL TIES FOR L.A. Co. TRAV STATION

ARROYO SEQUIT K-7



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

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76F309S S&E #247 1-56

F. B. 930 PG. 194

~DESCRIPTION~

TRAV STATION ARROYO SEQUIT K-7

in L.A. Co and on the Pacific Coast Hwy (US 101 ALT) about 1.2 Miles west of Decker Rd in Los Alisos Canyon. and about 1.2 Miles East of Mulholland Hwy in Arroyo Sequit Canyon. station is on W'ly side of Nicholas Canyon.

STATION MARK set S.W.T by tan ties per FB1652-149-230 Replaced S.W.&T. With Mon & H.H. June 1957 H.R. STOCK RESET A STANDARD 2" BRASS TABLET IN CONC. DN 10" BELOW PAVED SHOULDER IN A [illegible] & LETTERED; "L.A. CO. SURV. CONTROL TRAV. STA., ARROYO SEQUIT K-7, RESET 1957, SET BY L.A. CO. ENGR. R.E. 5869."

SUBSURFACE MARK - NONE

RM #1 Fd 3/4" I.P. 30" dp set in conc. with conc plug and copper pin. Per FB 1652-149-150-250

RM #2 Fd 3/4" I.P. 4.5" dp set in conc. with conc plug and copper pin on line prod thru K-7 & L-7A per FB 1652-149-150 250

RM #3 Set 3/4" I.P. conc plug & tag 16" dp

RM #4 Set 3/4" I.P. Conc plug & tag 14" dp

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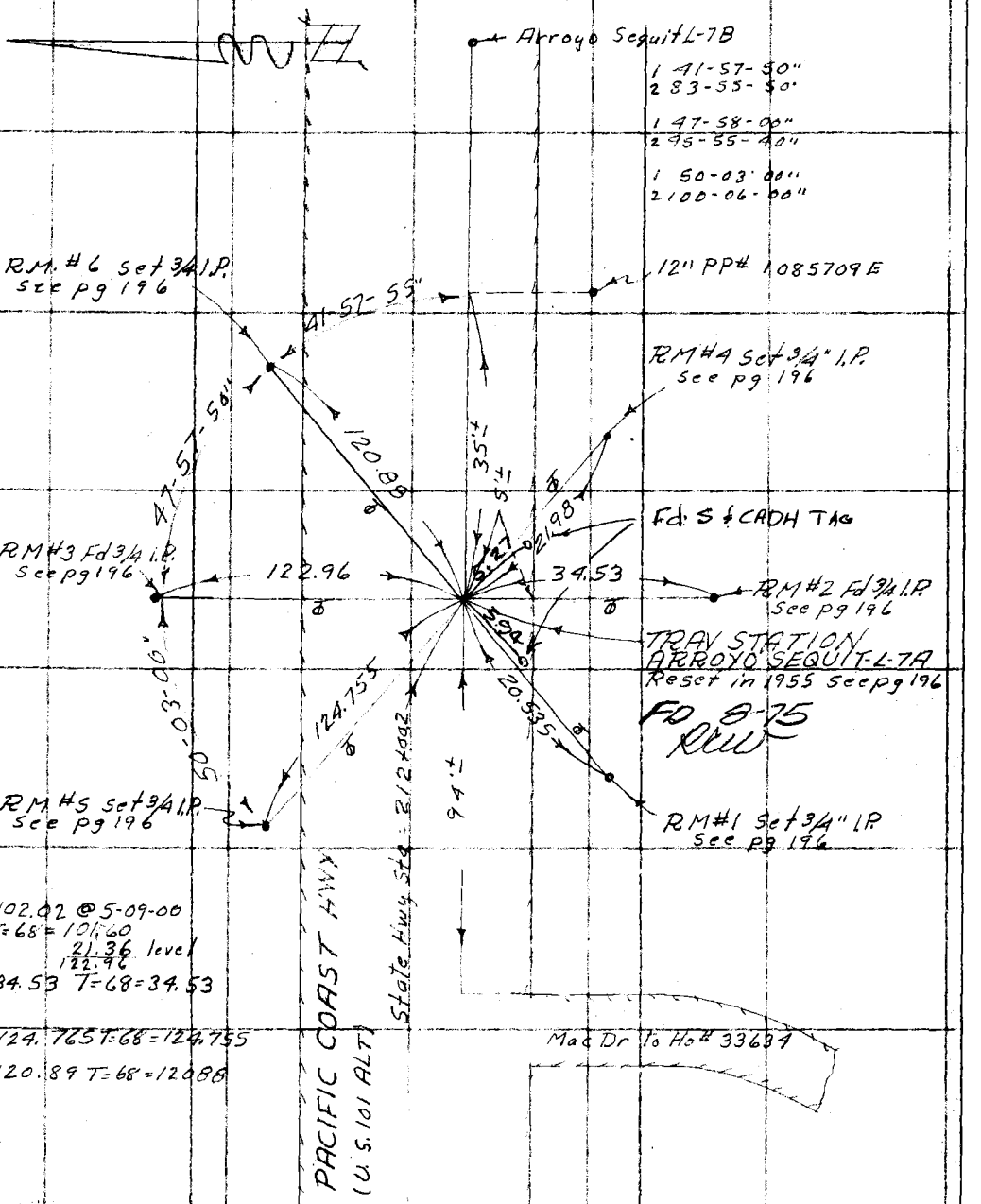
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.30 Tape 190 Std 84 °F
Office Work	Surveyed by M.A. VanWeren
Checked	Notes M.A.V. Date 5-16-51
Date	Indexed C. Johnson

F. B. 930 Pg. 195

ADDITIONAL TIES FOR L.A.CO. TRAV. STATION ARROYO SEQUIT L-7A



102.02 @ 5-09-00
T=68 = 101.60
21.36 level
122.96

34.53 T=68 = 34.53

124.765 T=68 = 124.755

120.89 T=68 = 120.86

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76F3095 SAE #247 1-56

F. B. 930 Pg. 196

—DESCRIPTION—

TRAVERSE STATION "ARROYO SEQUIT L-7A"

In L.A. Co., on the Pacific Coast Hwy. (U.S. 101 Alt.), about 0.85 mile west of Decker Road in Los Aliso Cn., & 1.55 miles east of Mulholland Hwy. in Arroyo Sequit Cn.

STATION MARK: Fd a 4" brass tablet set in conc 8" dp in H.H. & Stamped L.A. CO. SURV. CONT. SYS. - TRAV. STA ARROYO SEQUIT, L-7A. RESET 1955. Set by Co Surveyor R.E. 63

SUBSURFACE MARK: None

RM#1 Set 3/4" I.P. conc plug & tag 16" dp

RM#2 Fd 3/4" I.P. 10" dp set in conc. with conc plug and copper pin. per FB 1652-231

R.M.#3 Fd 3/4" I.P. 10" dp. set in conc. with conc plug and copper pin. per FB 1652-231

R.M.#4 set 3/4" I.P. conc plug & tag 16" dp

RM#5 set 3/4" I.P. conc plug & tag 14" dp

RM#6 Set 3/4" I.P. conc plug & tag 16" dp

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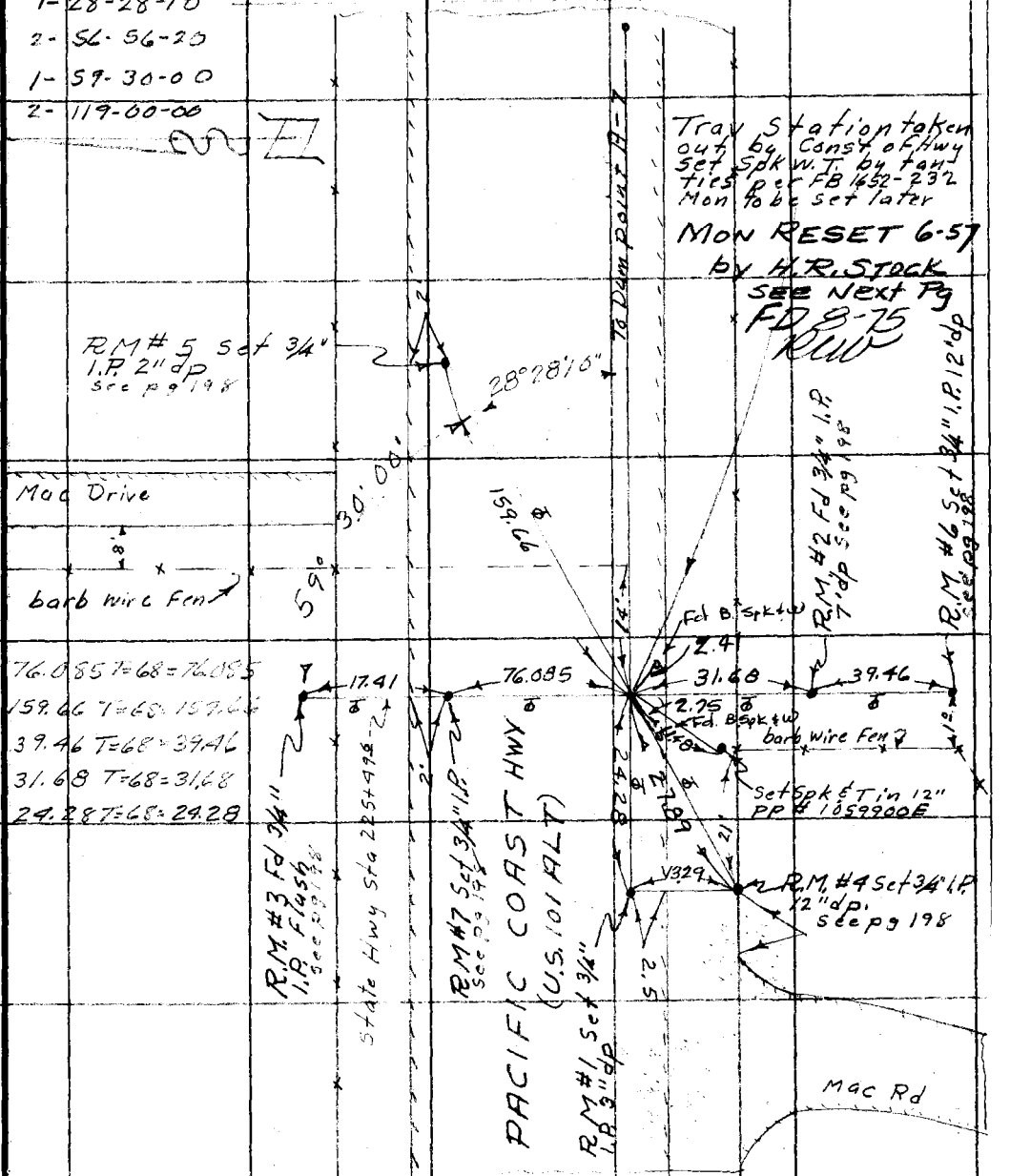
Notes Ck'd by	Survey of Geodetic Control
Map No.	W. O. 030109 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes Van Date 5-16-57
Date	Indexed A. C. Johnson

F. B. 930 PG. 197

ADDITIONAL TIES FOR L.A. CO. TRAV. STATION

ARROYO SEQUIT L-1B

1- 28-28-10
2- 56-56-20
1- 59-30-00
2- 119-00-00



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

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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

F.B. 930 PG. 198

—DESCRIPTION—

TRAVERSE STATION "ARROYO SEQUIT L-7B"

In L.A. Co., on the Pacific Coast Hwy. (U.S. 101 Alt.) about 0.8 mile west of Decker Rd. in Los Alisos Cñ., & 1.8 miles east of Multnomah Hwy. in the Arroyo Sequit Cñ.

STATION MARK: set S.W.T by tan tics per FB 1652-157-232 H.R.S 6-57 RESET MON DN 10" IN H.H. RESET MON. A STANDARD 4" BRASS TABLET IN CONC. STAMPED: "L.A. CO. SURV. CONT SYS. TRAV. STA., ARROYO SEQUIT L-7B, RESET 1957 SET BY, L.A. CO. ENGR R.E. 5869".

SUBSURFACE MARK: NONE

R.M. #1 Set 3/4" I.P. conc plug & Tag 3"dp on line prod thru L-7B and Dume point A-7

R.M. #2 Fd 3/4" I.P. Set in conc. with conc plug and copper pin 7' dp per FB 1652-232

R.M. #3 Fd 3/4" I.P. set in conc. with conc plug & copper pin per FB 1652-232

R.M. #4 Set 3/4" I.P. conc plug & Tag 12" dp

R.M. #5 Set 3/4" I.P. conc plug & Tag 2"dp 2.5' E'ly of N'ly edge of pvt

R.M. #6 Set 3/4" I.P. conc plug & Tag 12" dp

R.M. #7 Set 3/4" I.P. conc plug & Tag 2"dp. 2.5' E'ly of N'ly edge of pvt

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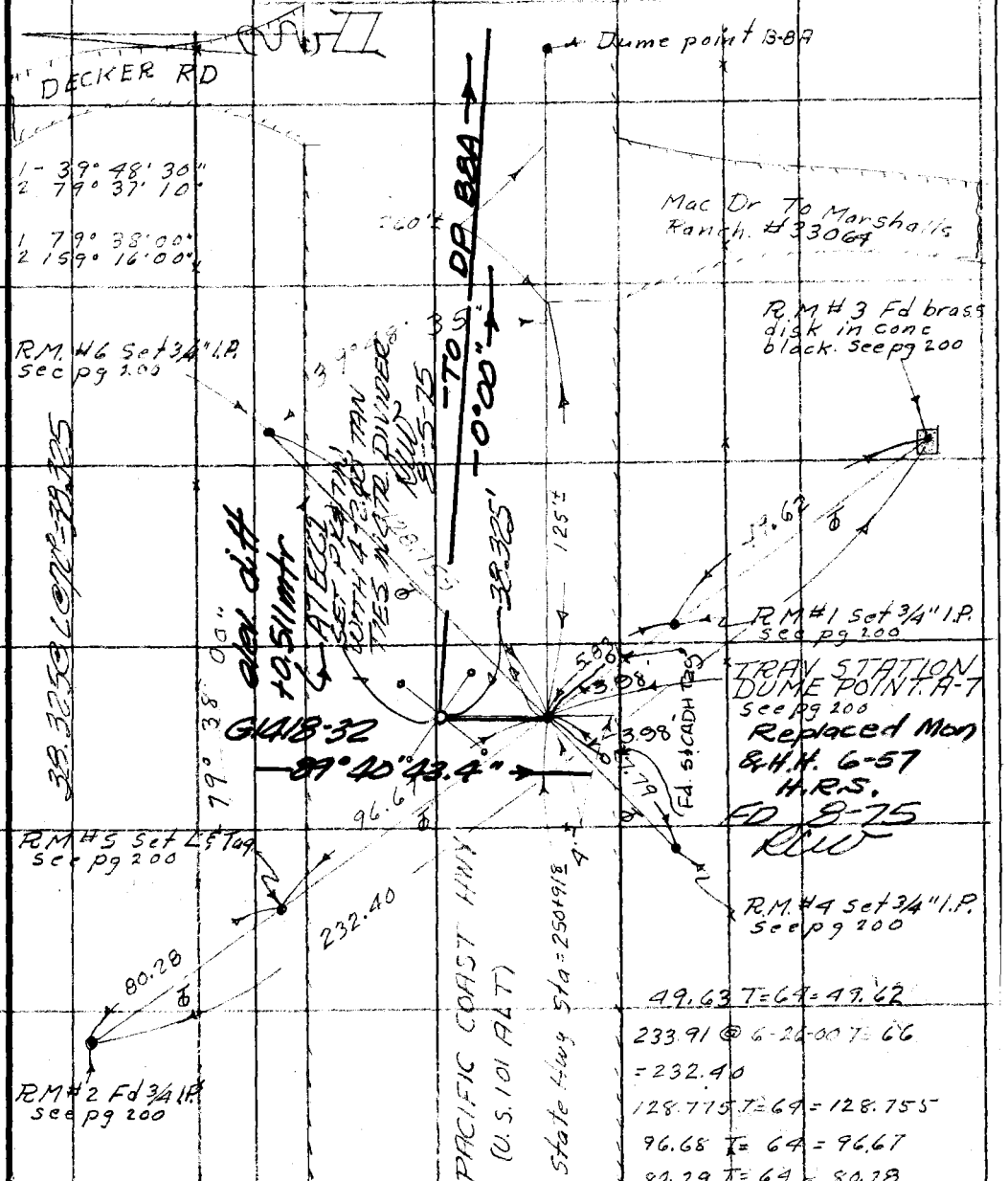
Notes Ck'd by	Survey of
Map No.	W. O. 630 Tape No. 140 Stu. 84 °F
Office Work	Surveyed by
Checked	Notes Date 5-16-81
Date	Indexed A. C. Johnson

F. B. 530 Pg. 799

ADDITIONAL TIES FOR L.A. CO. TRAV. STA.
DUME POINT A-7



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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

F.B. 730 PG. 200

—DESCRIPTION—

TRAVERSE STATION DUME POINT A-7

In L.A. Co., on the Pacific Coast Hwy. (U.S. 101 Alt.), Malibu District, about 3.0 miles west of Trancas Cr Bridge No 53-27, at the west end of the L.A. Co. Zuma Beach ± 100' west of Decker Rd.

STATION MARK: Set Spk. W.T. by tangencies per FB 1652-233 Replaced Spk. W.B.T. with Mon & H.H. 6-57 HR.S. RESET A STANDARD 4" BRASS TABLET IN CONC. IN 10" AND STAMPED "L.A. CO. SURV. CONT SYS. TRAV. STA. DUME PT INT A-7, 1957, SET BY L.A. CO. ENG. R.E. 5860".

SUBSURFACE MARK:

R.M.#1 Set 3/4" I.P. conc plug & tag 14" dp

R.M.#2 Fd 3/4" I.P. set in conc 10" dp with conc plug and copper pin. per FB 1652-233

R.M.#3 Fd a brass disk set in top of 8" conc post 1' above ground and stamped U.S. GEOLOGICAL SURV COOPERATION WITH THE STATE, R-50-1928 per FB 1652-233

R.M.#4 Set 3/4" I.P. Conc plug & tag 14" dp

R.M.#5 Set L & Tag in sandstone rock 12" dp

R.M.#6 Set 3/4" I.P. conc plug & tag 19" dp

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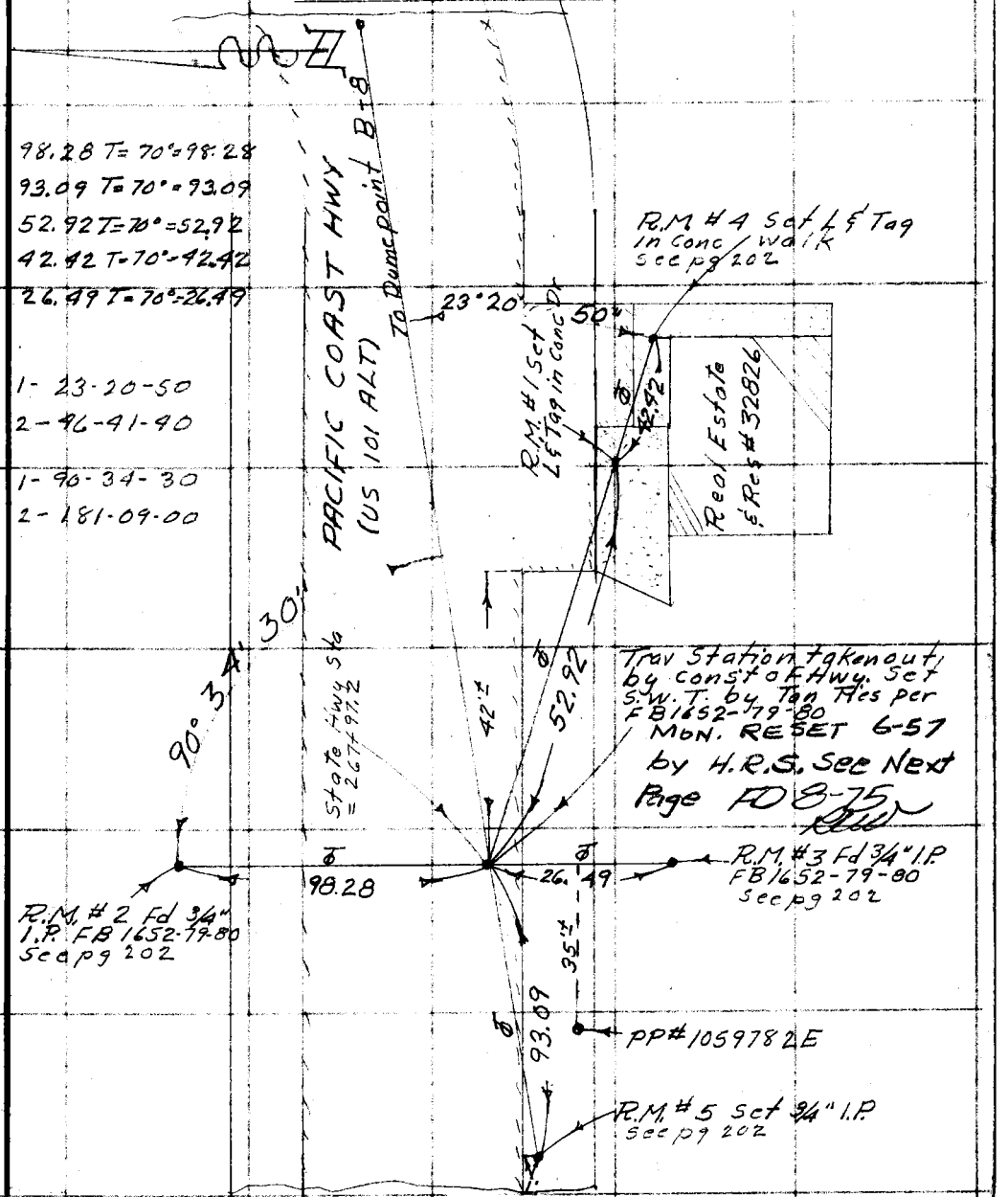
Notes Ck'd by	Survey of
Map No.	JN Tape Std °F
Office Work	Surveyed by
Checked	Notes Date 5-28-57
Date	Indexed

F. B. 1652 PG. 20

ADDITIONAL TIES FOR L.A.CO. TRAV. STATION DUME POINT B-8A



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76F3095 S&E #247 1-56

F. B. 730 Pg. 202

— DESCRIPTION —

TRAVERSE STATION "DUME POINT B-8A"

In L.A. Co. on the Pacific Coast Hwy (U.S. 101 Alt.) Malibu District, about 2.8 miles west of Trancas Cn. Bridge No 53-27, or the west end of the L.A. Co. Zuma Beach & 0.25 mi. east of Decker Rd.

STATION MARK: Set S.W.T. by tan ties per FB1652-79-80. REPLACED S.W.&T WITH H.H. & MON DN 10". 6-57 by H.R. STock.

RESET A STANDARD 4" BRASS TABLET IN CONC. DN 10 IN A H.H. [illegible] LETTERED; "L.A. CO. SURV. CONT. [illegible], [illegible] STA., DUME POINT B-8A. RESET 1957, [illegible] BY L.A. CO. ENGR. R.E. [illegible]"

SUBSURFACE MARK: NONE

R.M. #1 Set L & Tag in Conc Drive

R.M. #2 Fd 3/4" I.P. Conc plug & copper pin. 12" dp, per FB1652-79-80

R.M. #3 Fd 3/4" I.P. conc plug & copper pin 12" dp. per FB1652-79-80

R.M. #4 Set L & Tag in conc walk on bldg line prod to the North

R.M. #5 set 3/4" I.P. conc plug & Tag 12" dp on line prod Thru B-8A - From B-8

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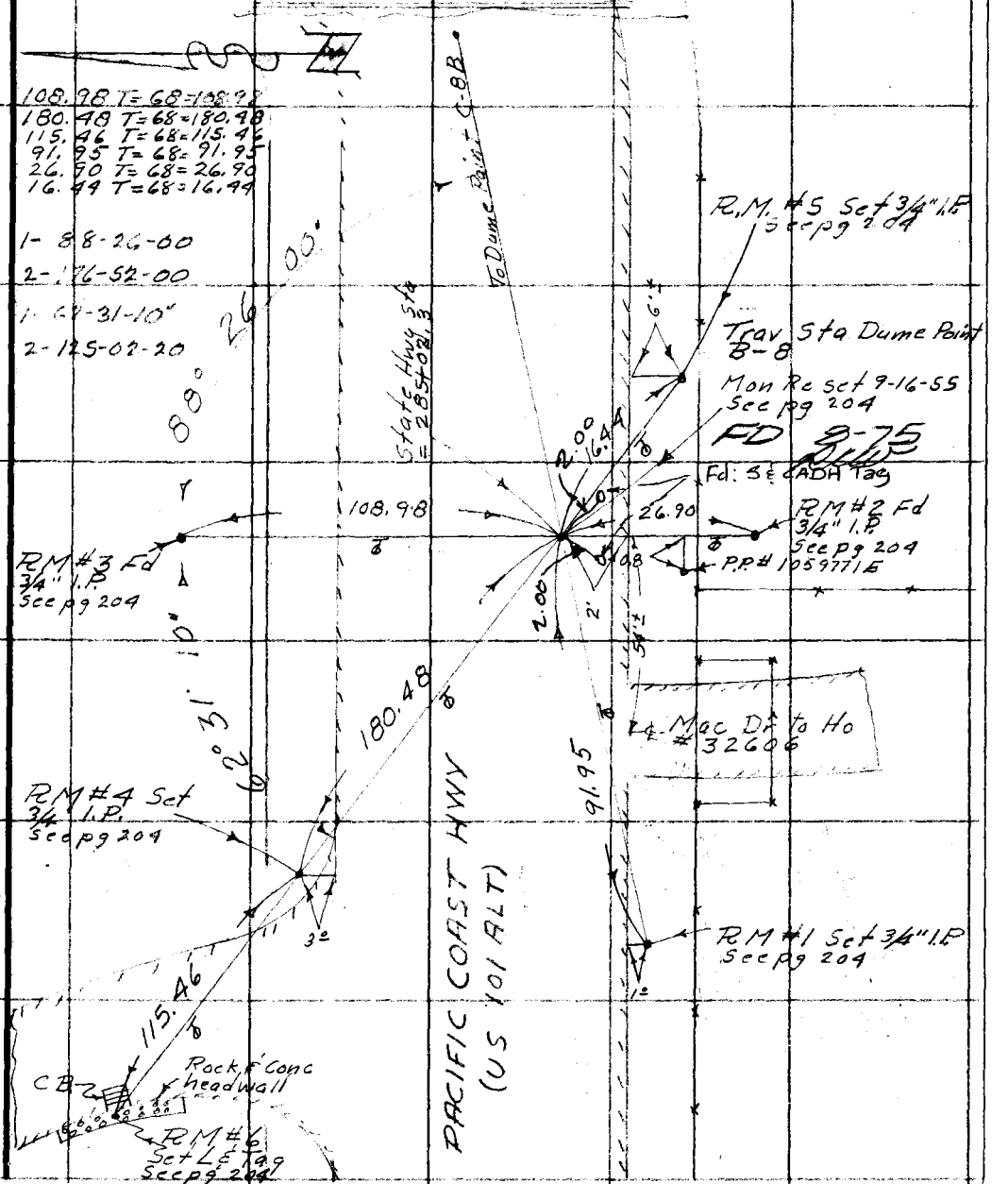
Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date 5-17-57
Date	Indexed K. C. Johnson

F. B. Pg.

ADDITIONAL TIES FOR L.A. CO. TRAV. STA.
DUME POINT B-8



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76F3095 S&E #247. 8-54

F. B. 730 Pg. 204

—DESCRIPTION—

TRAVERSE STATION DUME POINT B-8

In L.A. Co., on the Pacific Coast Hwy. (U.S. Hwy Alt.), Malibu District, about 2.6 miles west of Trancas Cr. Bridge No 53-27 or the west end of the L.A. Co. Zuma Beach. 0.9 mile west of "Encinal Cr" & 3.6 mile east of Decker Rd.

STATION MARK: Fd a Std 4" brass tablet set in conc. 8" dp and in a H.H. with cover inscribed L.A. Co Survey Control System. Trav station Dume point B-8 Reset 9-16-55 and set by Co Surveyor R.E. 63 per FB 1652-77-78

SUBSURFACE MARK: None

R.M. #1 Set a 3/4" I.P conc plug & Tag 12" dp on line prod thru B-8 From C-88

R.M. #2 Fd a 3/4" I.P conc plug & copper pin 12" dp. per FB 1652-77-78

R.M. #3 Fd a 3/4" I.P conc plug & copper pin 12" dp. per FB 1652-77-78

R.M. #4 Set 3/4" I.P conc plug & Tag 12" dp

R.M. #5 Set 3/4" I.P conc plug & Tag 12" dp

R.M. #6 Set L.S. Tag in top of rock & conc headwall

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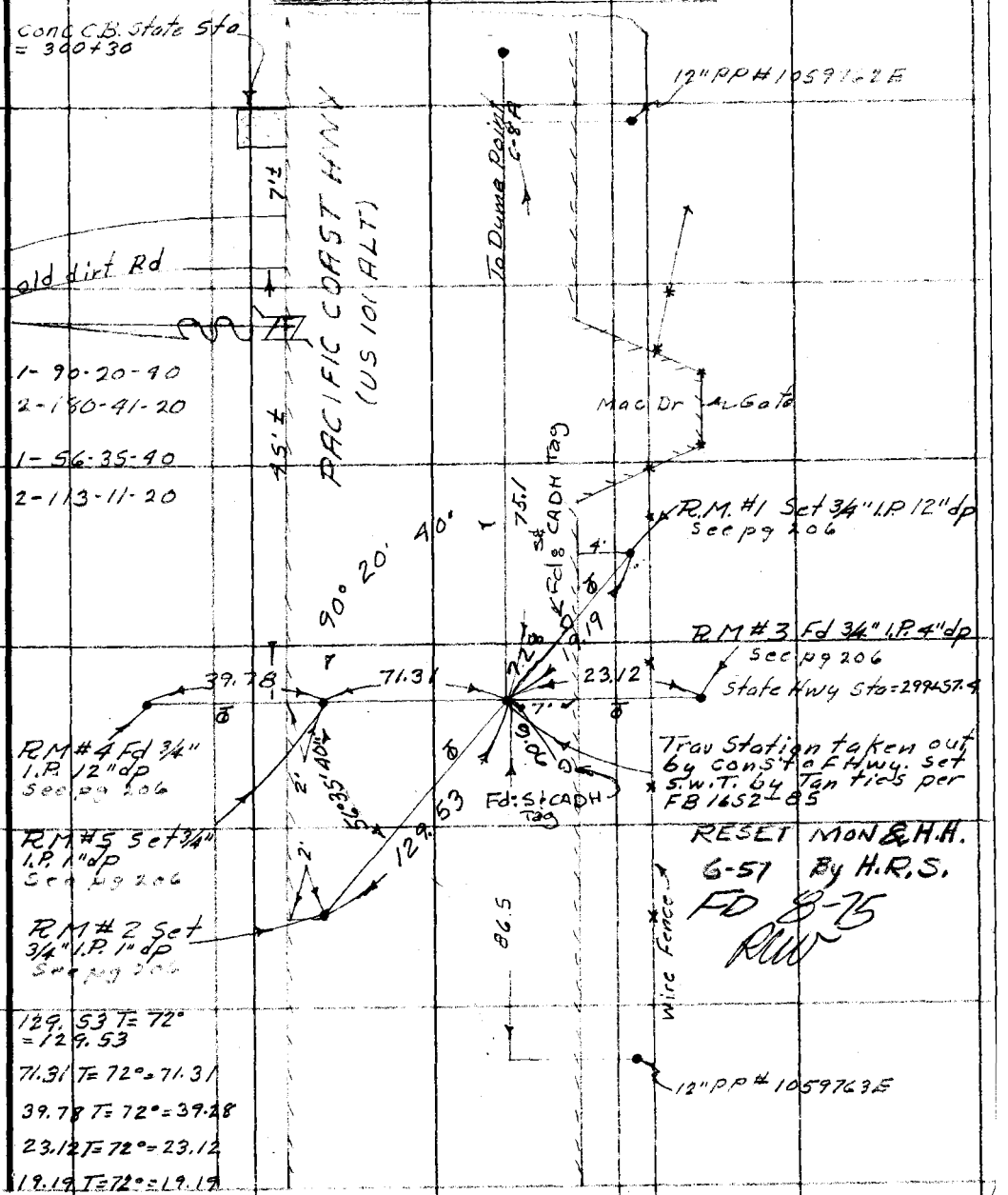
Notes Ck'd by	Survey of
Map No.	W. O. 0307.00 Tape No. 140 St'd. 84 °F
Office Work	Surveyed by
Checked	Notes Van Date 5-17-57
Date	Indexed C. Johnson

F.B. [illegible] Pg. [illegible]

ADDITIONAL TIES FOR L.A. CO. TRAV. STA.
DUME POINT C-8B



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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

F.B. 930 Pg. 206

—DESCRIPTION—

TRAVERSE STATION "DUME POINT C-8B"

In L.A. Co., about 5.2 miles N.W. of Point Dume on the Pacific Coast Hwy. (U.S. 101 A.T.) 0.6 mi. west of Encinal Cr., 2.35 miles west of the L.A.Co. Zuma Beach and 0.85 mile east of Decker Rd.

STATION MARK: Set S.W.T. by tangencies per FB 1652-85-86 Replaced S.W.&T. 6-57 H.R.S. RESET A STANDARD 4" BRASS TABLET IN CONC. DN 10" IN A H.H. & LETTERED, "L.A. CO. SURV. CONT. STA. TRAV. STA. DUME POINT C-8B, RESET 1957, SET BY, L.A. CO. ENGR. RE 5869".

SUBSURFACE MARK: NONE

RM #1 - Set 3/4" I.P conc plug & tag 12"dp

R.M. #2 Set 3/4" I.P Conc plug & Tag 1"dp

R.M. #3 Fd 3/4" I.P Conc plug & copper wire 5"dp per FB 1652-85-86

RM #4 Fd 3/4" I.P Conc plug & Copper wire 12"dp per FB 1652-85-86

RM #5 Set 3/4" I.P conc plug & Tag 1"dp

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
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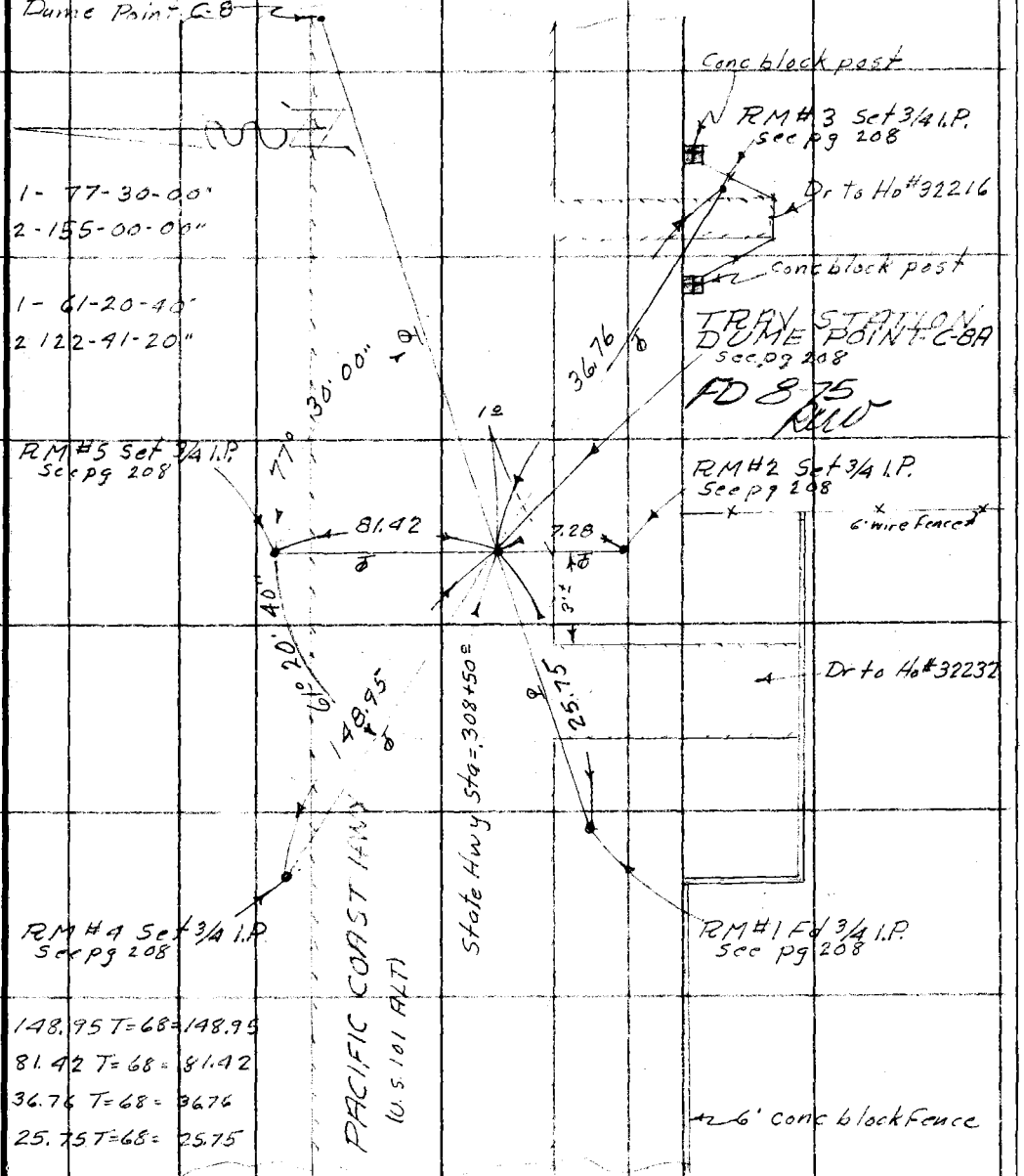
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Geodetic Control
Map No.	W. O. 0301.00 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by N.A. Van Dieren
Checked	Notes N.A. Van D. Date 5-17-57
Date	Indexed C. Johnson

F.B. 930 Pg. 207

ADDITIONAL TIES FOR L.A. CO. TRAVERSE STATION
DUME POINT C-8A



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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

F. B. 720 PG. 208

—DESCRIPTION—

TRAVERSE STATION "DUME POINT C-8A"

In L.A. Co. about 5 miles N.W. of Point Dume on the Pacific Coast Hwy. (U.S. 101 Alt.), 0.45 mile west of Encinal Ct., 2.2 miles west of the L.A. Co. Zuma Beach & 1.0 mile east of Decker Rd.

STATION MARK: Fd a std 4" brass tablet set in conc 8" dp in H.H. and stamped L.A. CO. SURV. CONT. SYS. TRAV. STA. DUME POINT-C-8A, 1950 and set by Co Surveyor. R.E. 329 per FB 1652-83-84

SUBSURFACE MARK: none

RM #1 Fd 3/4" I.P set in conc 24" dp with conc plug & Copper pin. Set on line prod thru C-8A from C-8 per FB 1652-83-84

RM #2 Set 3/4" I.P conc plug & tag 14" dp

RM #3 Set 3/4" I.P conc plug & tag 12" dp

RM #4 Set 3/4" I.P conc plug & tag 18" dp

RM #5 Set 3/4" I.P conc plug & tag 18" dp

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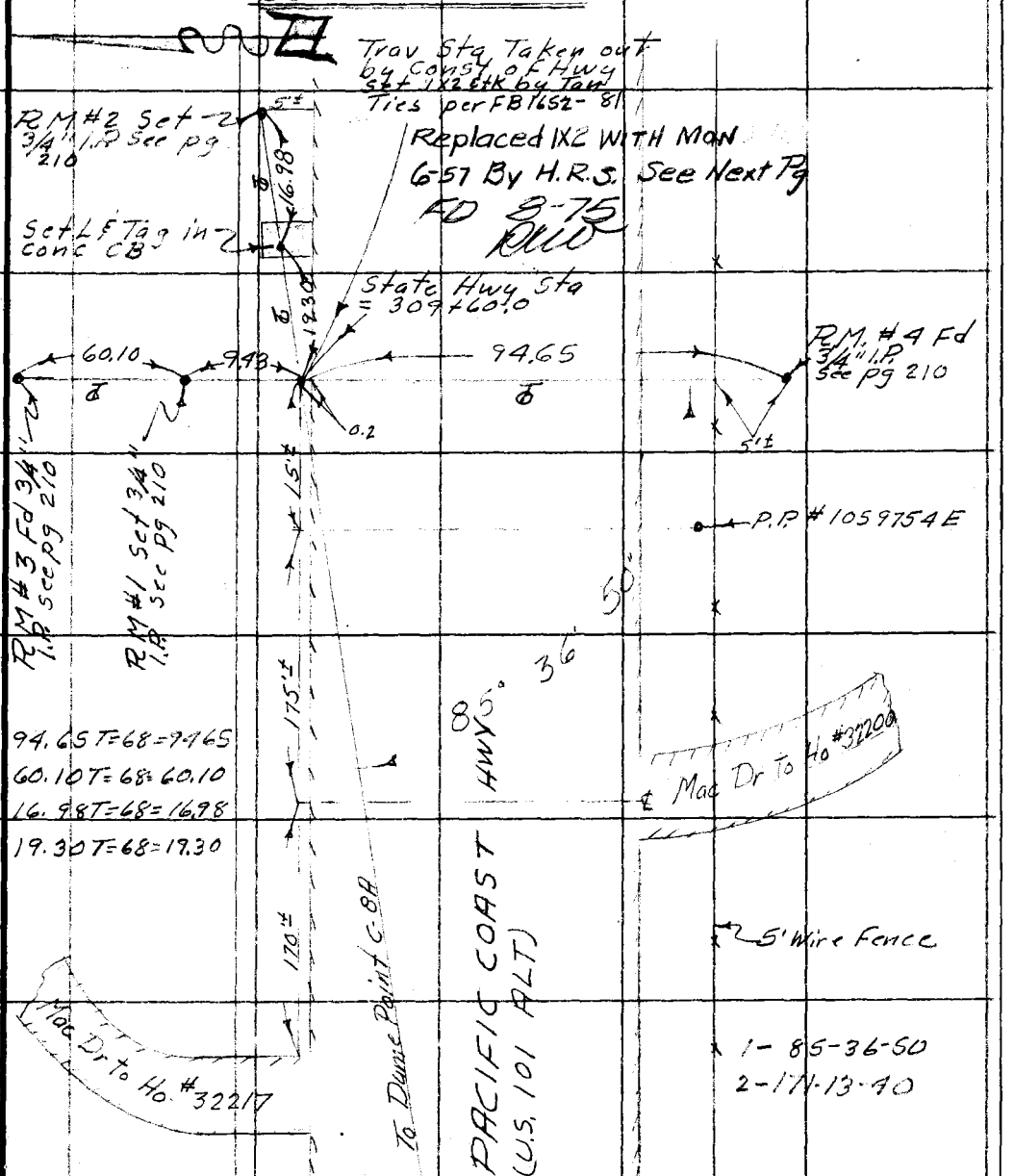
Notes Ck'd by	Survey of Geodetic Control	F.B. 930 PG. 209
Map No.	W. O. 0301.00 Tape No. 016 St'd. 68 °F	
Office Work	Surveyed by M.A. Van Deren	
Checked	Notes Van Date 5-21-57	
Date	Indexed C. Johnson	

ADDITIONAL TIES FOR L.A. CO TRAV STATION

DUME POINT C-8



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76F309S S&E #247. 8-54

F. B. 730 Pg. 210

—DESCRIPTION—

TRAVERSE STATION DUME POINT C-8

in L.A. Co about 5 Miles N.W. of Point Dume & on the Pacific Coast Hwy. 0.35 Miles West of Encinal Canyon. 2.1 Miles West of the L.A.Co. Zuma Beach. & 1.15 Miles east of Decker Road.

STATION MARK: set 1x2 & Tk Flush by tan ties per FB 1652-81-82 Replaced 1x2 & tack with Mon 6-57 by H.R.S. RESET A STANDARD 4" BRASS TABLET IN CONC. ON PAVED BURM UP 6" ABOVE FLUSH & LETTERED; "L.A.CO. SURV. CONT. SYS. TRAV. STA., DUME POINT C-8, RESET 1957, SET BY, L.A.CO. ENGR. R.E. 5869."

SUBSURFACE MARK: NONE

RM #1 Set 3/4" I.P conc plug & Tag 12" dp

RM. #2 Set 3/4" I.P conc plug & Tag 12" dp on line prod thru C-8 From C-8A

RM. #3 Fd 3/4" I.P set in conc. with conc plug & Copper pin 12" dp. per FB 1652-81-82

RM. #4 Fd 3/4" I.P 12" dp set in conc with conc plug & copper pin. per FB 1652-81-82

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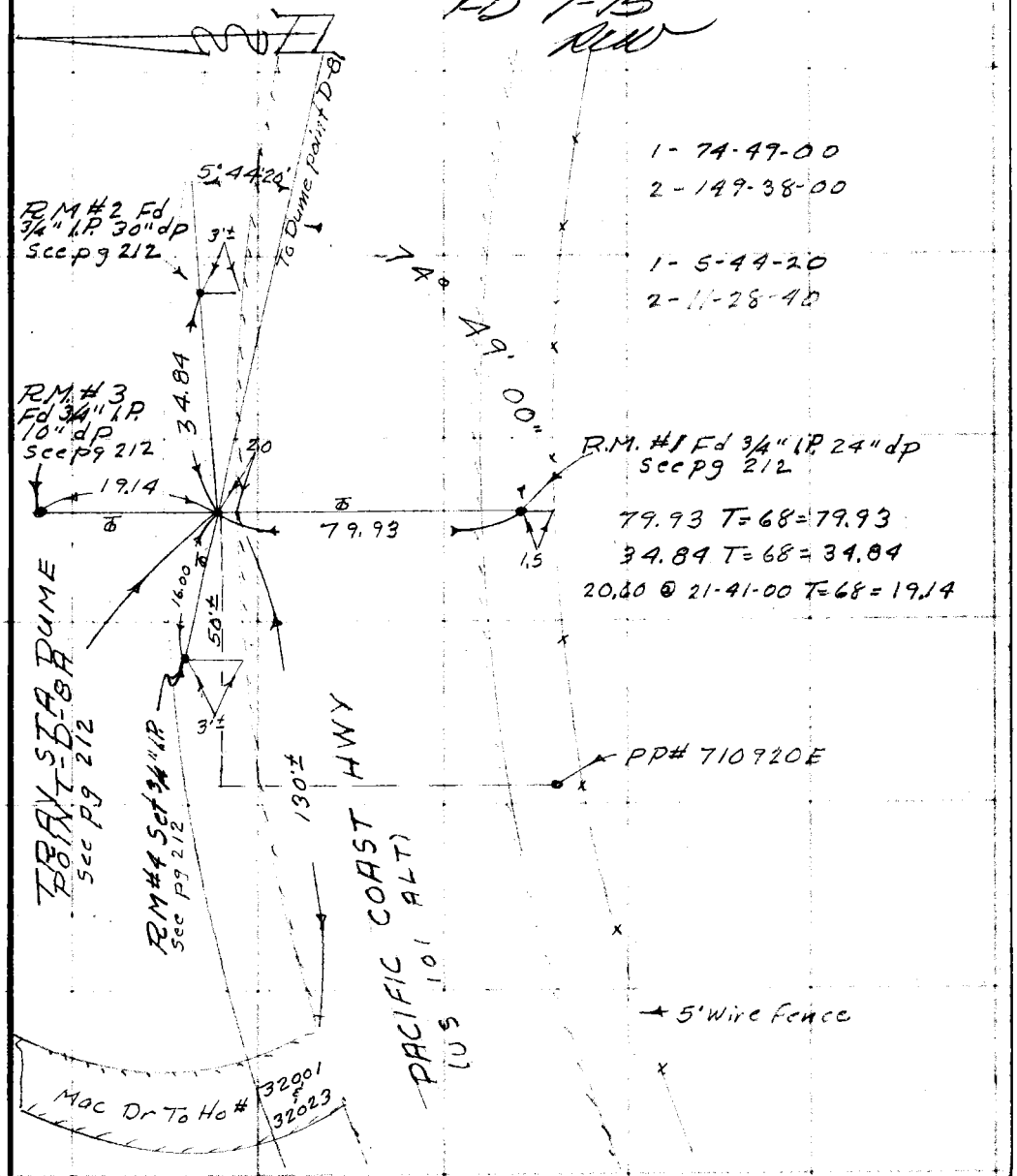
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0501.00 Tape 0161 Std 68 °F
Office Work	Surveyed by M.A. VanDoren
Checked	Notes Van Date 5-21-57
Date	Indexed E. C. Tobiasson

F. B. 930 Pg. 211

ADDITIONAL TIES FOR LA. CO. TRAV STATION

DUME POINT D-8A

FD 7-75



1 - 74-49-00
2 - 149-38-00

1 - 5-44-20
2 - 1-28-40

79.93 T=68=79.93
34.84 T=68=34.84
20.00 @ 21-41-00 T=68=19.14

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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SEE #247 1-56

F. B. 930 Pg. 212

-DESCRIPTION-

TRAVERSE STATION DUME POINT D-8A

in L.A Co. about 4.7 Miles N.W. of Point Dume & on the Pacific Coast Hwy. 0.2 Miles West of Encinal canyon. 2 Miles West of the L.A. Co. Zuma Beach and 1.3 Miles East of Decker Road.

STATION MARK: Fd a std 4" brass tablet set in conc 24" dp. inscribed - L.A. Co Surv cont. sys - trav station Dume Point D-8A - 1950 & set by County surveyor. R.E. 329 FB 1652-89-90 RESET 6-57 BY H.R. STOCK SET A STANDARD 4" BRASS TABLET IN CONC. FLUSH WITH TOP OF BURN AND LETTERED, "L.A. CO. SURV. CONT. SYS, TRAV. STA. DUME POINT D-8A, RESET 1957, SET BY, L.A. CO. ENGR. R.E. 329."

R.M. #1 Fd 3/4" I.P set in conc 24" dp. with conc plug & copper pin. per FB 1652-89-90

R.M. #2 Fd 3/4" I.P set in conc 30" dp with conc plug & Copper pin. per FB 1652-89-90

R.M. #3 Fd 3/4" I.P conc plug & copper pin 12" dp per FB 1652-89-90

R.M. #4 Set 3/4" I.P. conc plug & Tag 12" dp. on line prod thru D-8A From D8

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700 Los Angeles County Engineering Bldg.

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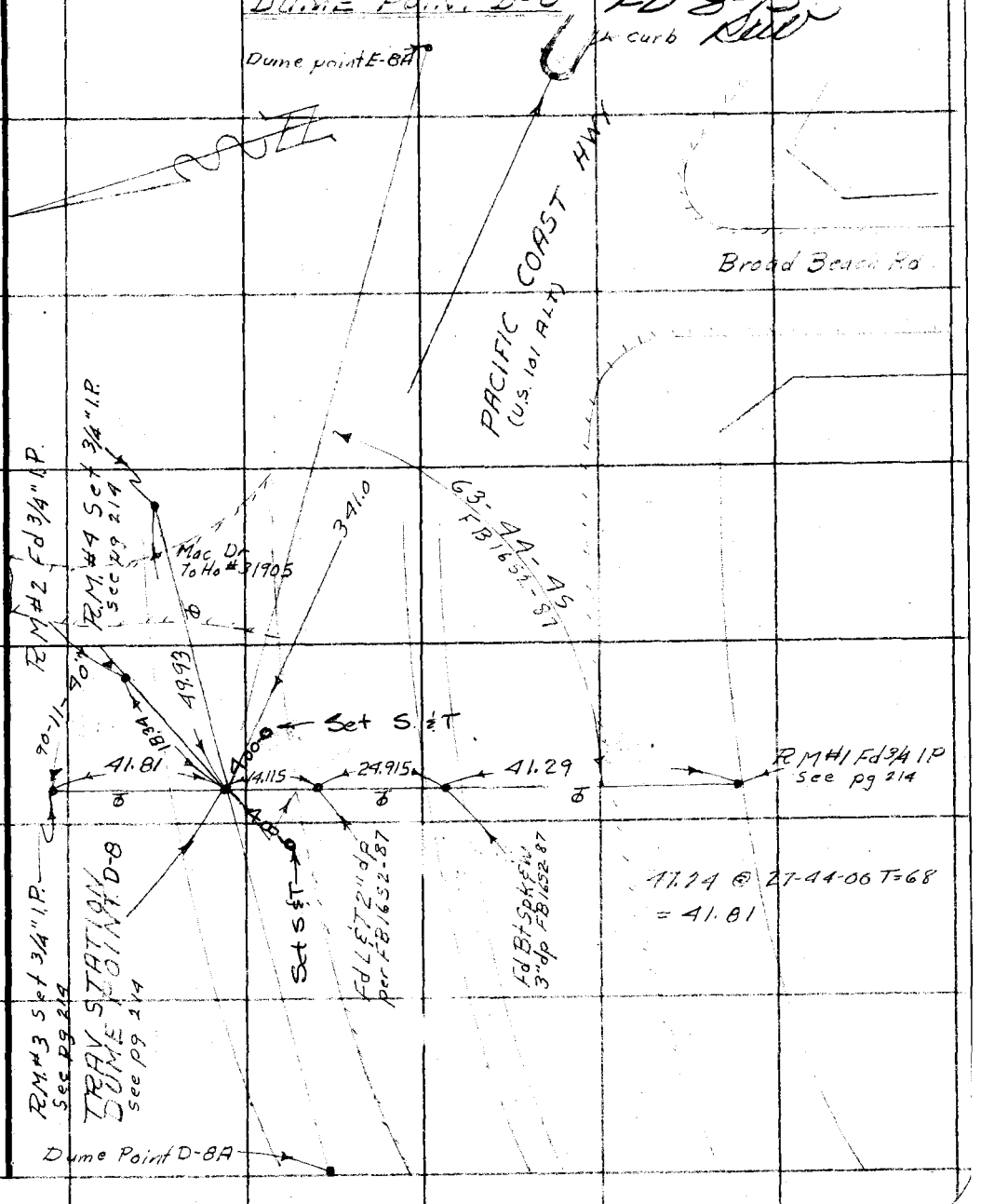
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0301.00 Tape No. [illegible] St'd. [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 5-29-57
Date	Indexed [illegible]

F. B. 930 PG. 213

ADDITIONAL TIES FOR L. A. CO. TRAVERSE STATION
DUNE POINT D-8 FD 8-75



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

76F3095 S&E #247. 8-54

F. B. 930 PG. 212

—DESCRIPTION—

TRAVERSE STATION "DUME POINT D-8"

In L.A. Co. about 4.5 miles N.W. of Point Dume on the Pac. Cst. Hwy. (U.S. 101 Alt.) At the mouth of Encrial Cn. about 1.75 mi. West of L.A. Co. Zuma Beach & 1.5 East of Decker Rd.

STATION MARK: Fnd. a Std. 4 in. brass Tablet in conc. Down 4 in. below the Surface grade of the Hwy. Inscribed "L.A. CO. SURVEY CONT. SYS. - TRAVERSE STATION, DUME POINT D-8, 1950" & set by "COUNTY SURVEYOR R.E. 329" Per. F.B. 1652-87

SUBSURFACE MARK: None

RM#1 Fd 3/4" I.P. set in conc 16" dp. with conc plug and Copper pin per FB1652-87

RM#2 Fd 3/4" I.P. set in Conc 14" dp with conc plug & Copper pin. per FB1652-87

RM#3 Set 3/4" I.P. Conc plug & Tag 14" dp

RM#4 Set 3/4" I.P. Conc plug & tag. on line prod thru D-8. From D-8A

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726 LOS ANGELES COUNTY
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76F3095 S&E #247. 8-54

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726 LOS ANGELES COUNTY
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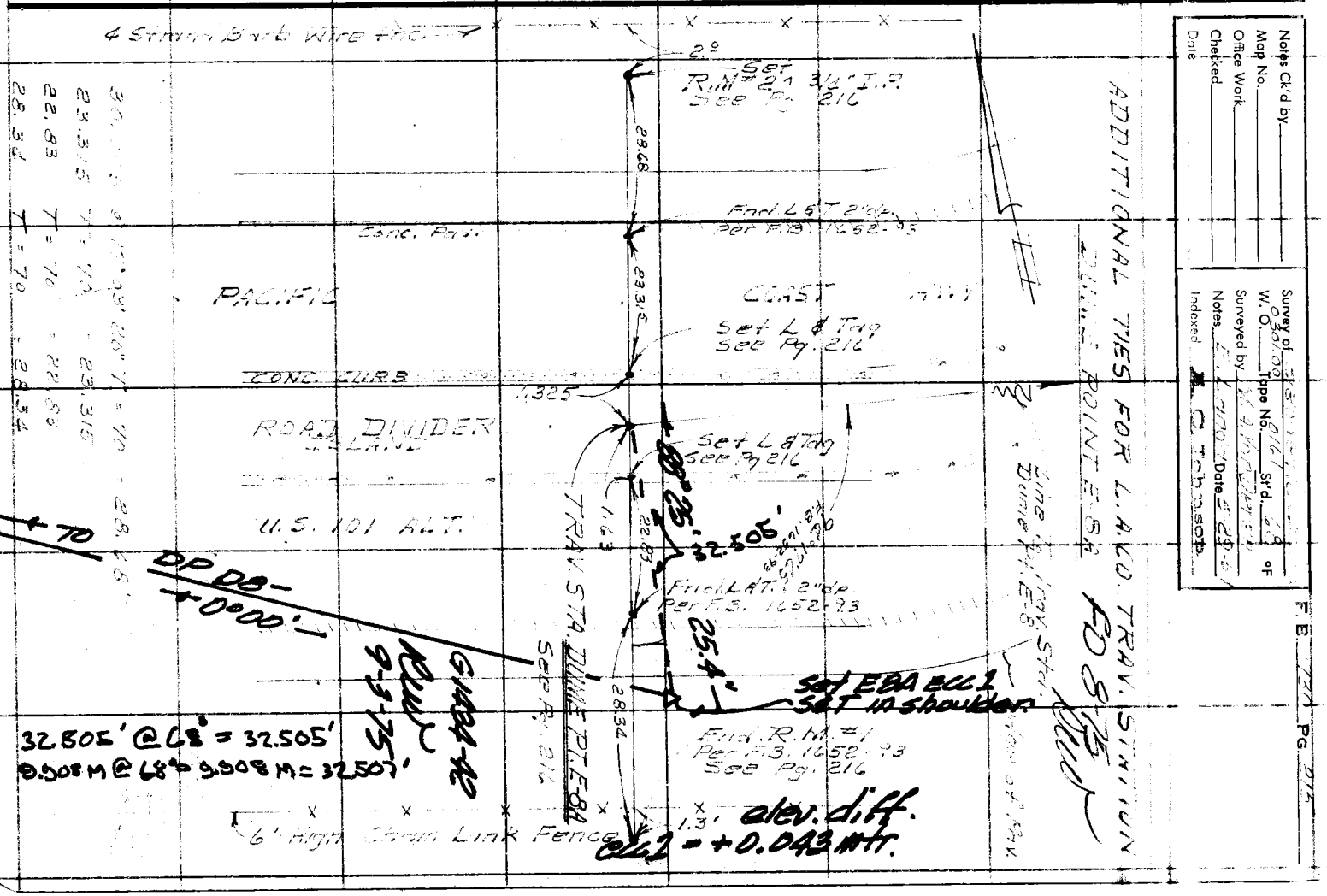

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of
W.O.
Tape No.
Std.
Surveyed by
Date
Notes
Indexed
Checked

F.B. 727 PG. 214

F. B. 730 Pg. 216

-DESCRIPTION-

TRAVERSE STATION "DUNE POINT E-8A"

In L.A. Co., 1600 ft. 0.25 mi. N.W. of Point Dume on the Coast line., 1.45 mi. West of the Hwy. Bridge # 53-27 at Trancas Cn. on the West end of the L.A. Co. Zuma Beach & 0.25 mi. East of Encinal Cn. on the Pac. Coast Hwy. (U.S. 101 Alt.) in the Winding Strip.

STATION MARK:

Find a std. 4 in. brass tablet in conc. 15 in. below curb grade inscribed "L.A. Co. Surv. Cont. Sys. Hwy. Sta., DUNE POINT E-8A, 1950 & Set by County Surveyor R.E. 329". Per F.B. [illegible]

SUBSURFACE MARK: None

R.M. #1

Find 5/8" I.R. set in Conc. with Conc. Plug & Copper Pin. Per F.B. 732 - 93

R.M. #2

Set 5/8" I.R. with a Conc. Plug & Tag 16 in. deep & Set on Tan. Prod. with R.M. #1

LEAD & TACK

Set in Concr. Curbing, at Tangent & on Tan. Prods. of R.M. #1 to R.M. #2

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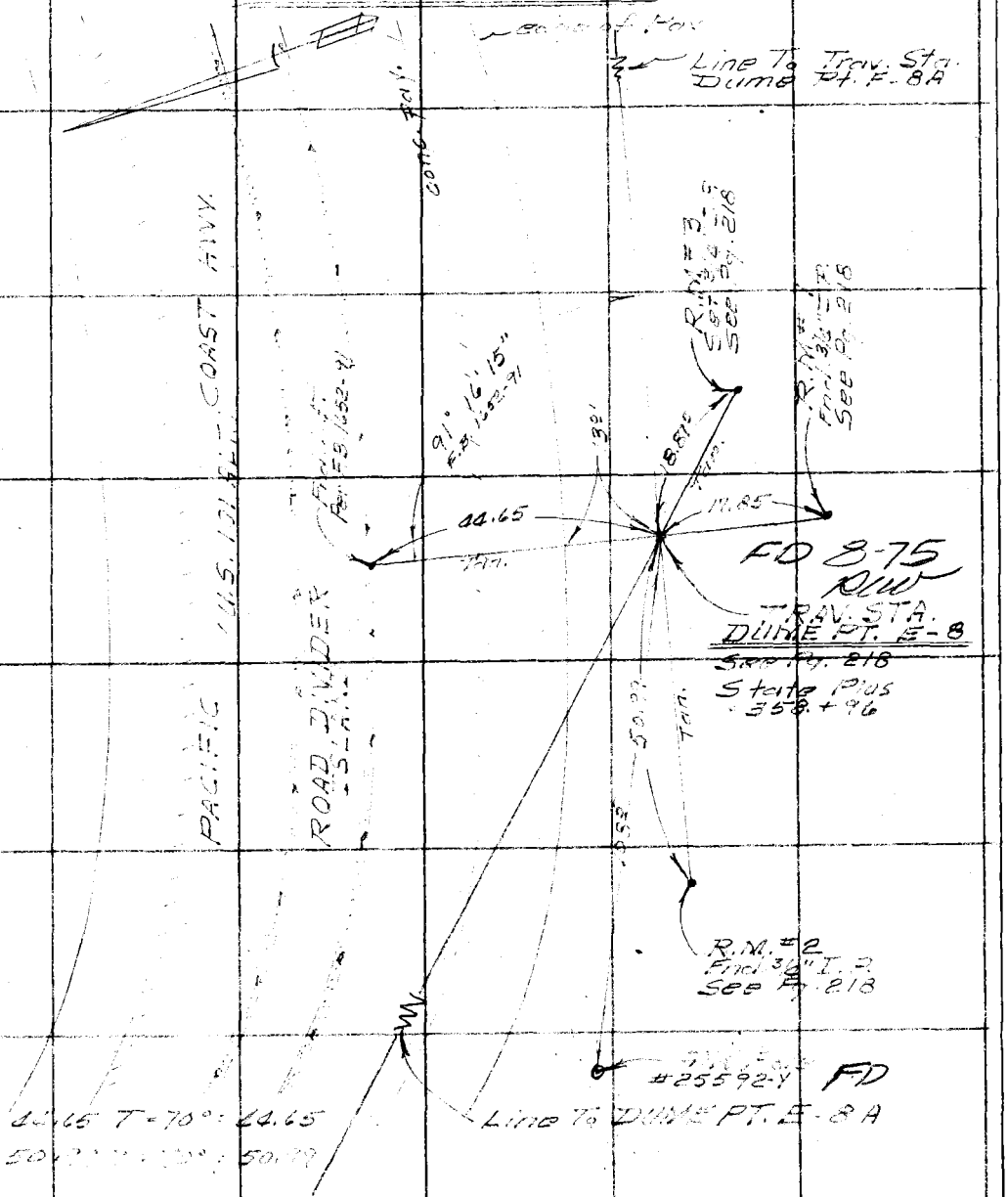
Map No.	W. O. 030100 Tape No. [illegible] St'd. [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes E. Lange Date [illegible]
Date	Indexed [illegible]

F. B. [illegible] PG. [illegible]

ADDITIONAL TIES FOR L.A.CO. TRAV. STA.

DUNE POINT E-8



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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

F.B. 730 Pg. 218

—DESCRIPTION—

TRAVERSE STATION "DUME POINT E-8"

In L.A. Co., on the Coast Line about 4 miles N.W. of Pt. Dume, 1.2 miles West of the Hwy. Bridge # 53-27, at TRAVERSE CA on the West end of the L.A. Co. Zuma Beach & about 0.5 miles east of Encinal CA on the Pac. Cst. Hwy. (CAS. 101. 21+.)

STATION MARK: Set a St. 4" brass tablet in Conc. flush with the ground surface inscribed "U.S.C.&G.SURVEY CONT. SYSTEM TRAV STA. DUME POINT E-8, 1950 & Set by Co. Surveyor R.E. 329". Per R.S. 16572-91

SUBSURFACE MARK:

R.M. #1

Encl. 3/8" I.P. Set in Conc. with Conc. plug & Copper Pin 18" deep. Per F.B. 1652-91

R.M. #2

Encl., Same as R.M. #1 16" deep, & on line Encl. through "E-8" trm. "Dume Pt. E-8" Per F.B. 1652-91

R.M. #3

Set 3/8 in. I.P., 16 in. deep With Conc plug & Tag. Set on line Encl. thru. E-8 with Dume Pt. E-8-A

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76F3099 S&E #247. 8-54

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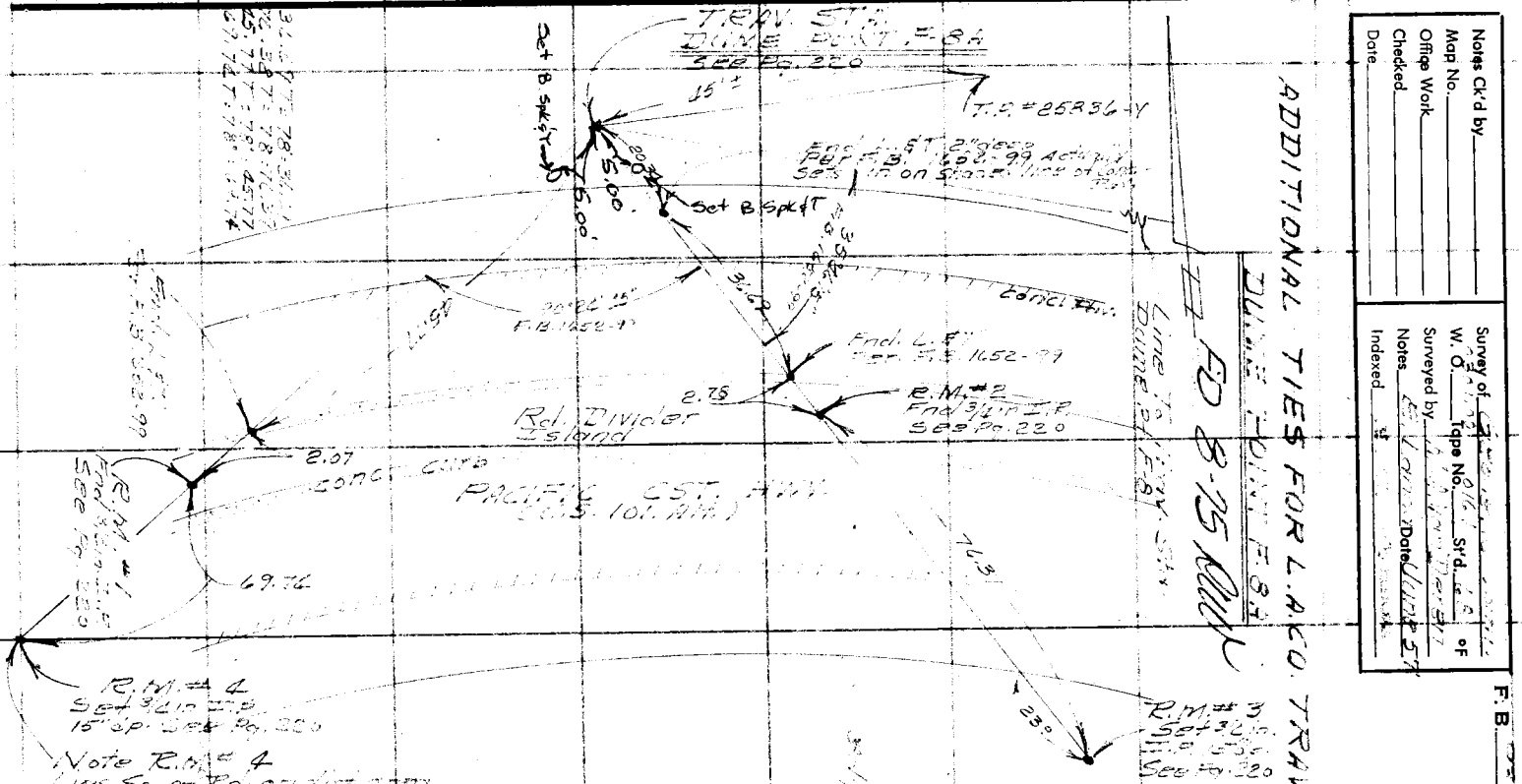

Notes Ck'd by _____
Map No. _____
Office Work _____
Checked _____
Date _____

Survey of _____
W. O. _____ Tape No. _____ Std. _____
Surveyed by _____
Notes _____ Date _____
Indexed _____

F.B. _____ PG. _____

F.B. 930 PG. 220

—DESCRIPTION—

TRAVERSE STATION "DUME POINT F-8A"

In L.A. Co., on the Coast Line 3.5 miles N.W. of Point Dume, 0.8 mile west of the Hwy. bridge # 53-27 at Trancas Cr., or the west end of the L.A. Co. Zuma Beach & on the Pac. Cst. Hwy. (U.S. 101 Alt.)

STATION MARK:

Fnd. a Std. 4" brass Tablet in Conc. 5 in. below surface grade of the Hwy. inscribed "L.A. Co. Surv. Cont. Sys. - Trav. Sta. DUME POINT F-8A 1950, & Set by County Surveyor, R.E. 389" Per F.B. 1652 - 99

SUBSURFACE MARK: NONE

R.M. #1

Fnd. a 3/4 in. [illegible] Set in Conc. with [illegible] & [illegible] [illegible] strip of the Hwy. 5" below [illegible] Per F.B. 1652 - 99 & 100

R.M. #2

Same as R.M. #1 Fnd. Per F.B. 1652 - 99 & 100

R.M. #3

Set 3/4 in. [illegible] 15 in. deep with conc. plug & Tag. Set on [illegible] with F-8A Thru R.M. #2 & [illegible]

R.M. #4

Same as R.M. #3. Set on line [illegible] with F-8A Thru [illegible] R.M. #1

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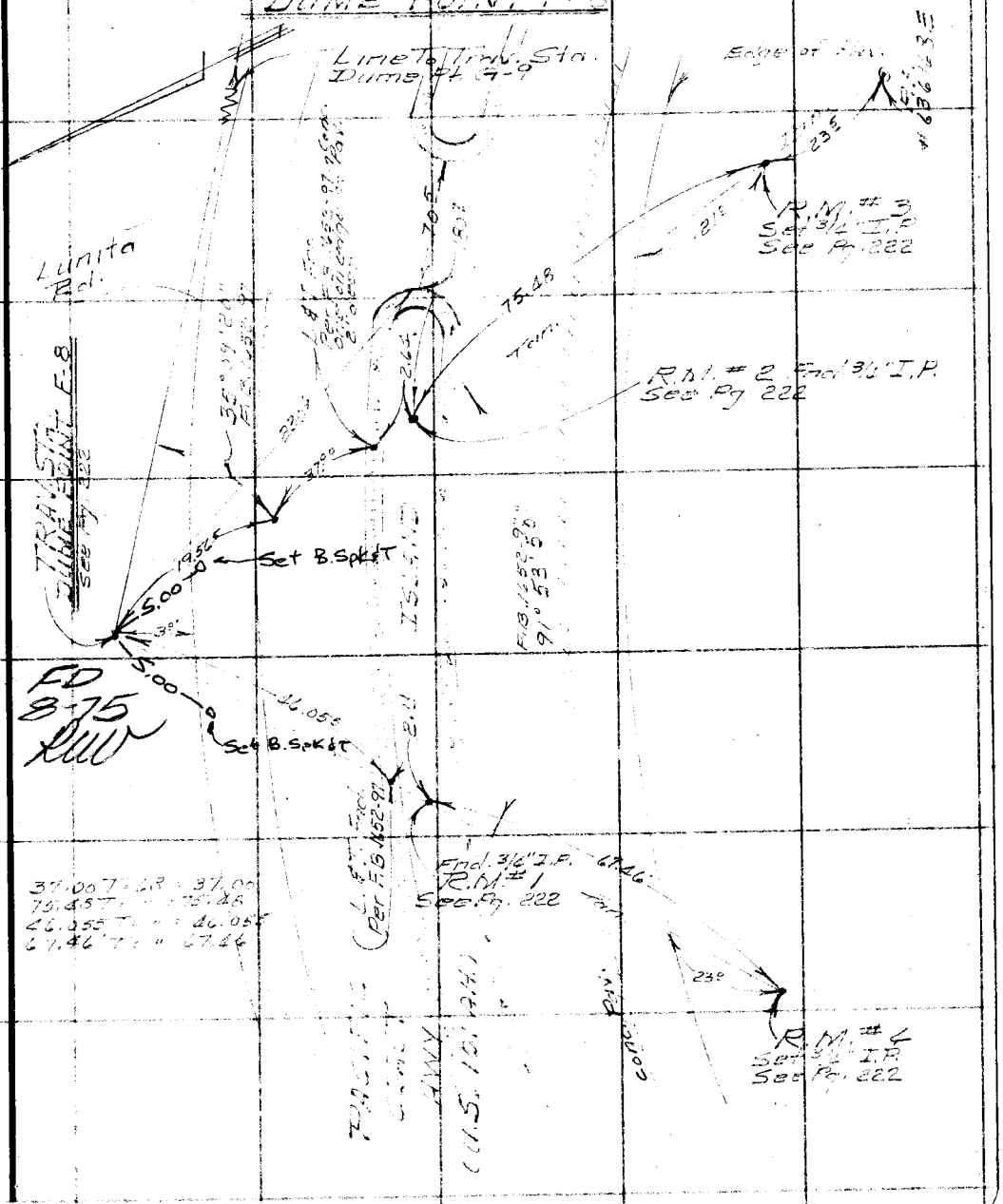
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0301.00 Tape No. 0161 St'd. [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes E. Landa Date 6-3-57
Date	Indexed A. C. Johnson

F. B. 930 PG. 221

ADDITIONAL TIES FOR L.A. CO. TRAVERSE STA.
DUME POINT F-8



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76F309S S&E #247. 8-54

F.B. 930 PG. 222

—DESCRIPTION—

TRAVERSE STATION "DUME POINT F-8"

In L.A. Co., on the Coast Line about 3.25 miles N.W. of Point Dume & 0.7 mi. West of the Hwy. bridge #53-27 at Trancas Cn. or the west end of the L.A. Co. Zuma Beach, on the Pacific Coast Hwy. (U.S. 101 Alt.) Protected by cast iron cover mkd. "County Surv. Mon.

STATION MARK:

Fnd. a std. 4" brass tablet in conc. down 8" below surface grade, in handhole with cover. Brass disk inscribed "L.A. Co. Surv. Cont. Sys. Trav. Sta. DUME POINT F-8, 1950 & Set by County Surveyor R.E 329" Per. F.B. 1652-97.

SUBSURFACE [illegible] NONE

R.M. NO. 1:

Fnd. a 3/4" I.P. set in conc. with Conc. Core & Copper Pin in the dividing Strip of the Hwy. 15" below curb grade Per F.B. 1652-97

R.M. NO. 2:

Fnd. Same as R.M. NO 1, 1 ft deep. Per F.B. 1652-97

R.M. NO 3:

Set a 3/4" I.P. with Conc. Plug & Tag. down 12". Set on Tan. thru R.M. #2 From F8

R.M. NO. 4:

Set a 3/4" I.P. with Conc. Plug & Tag down 15". Set on Tan. thru R.M. #1 from F-8

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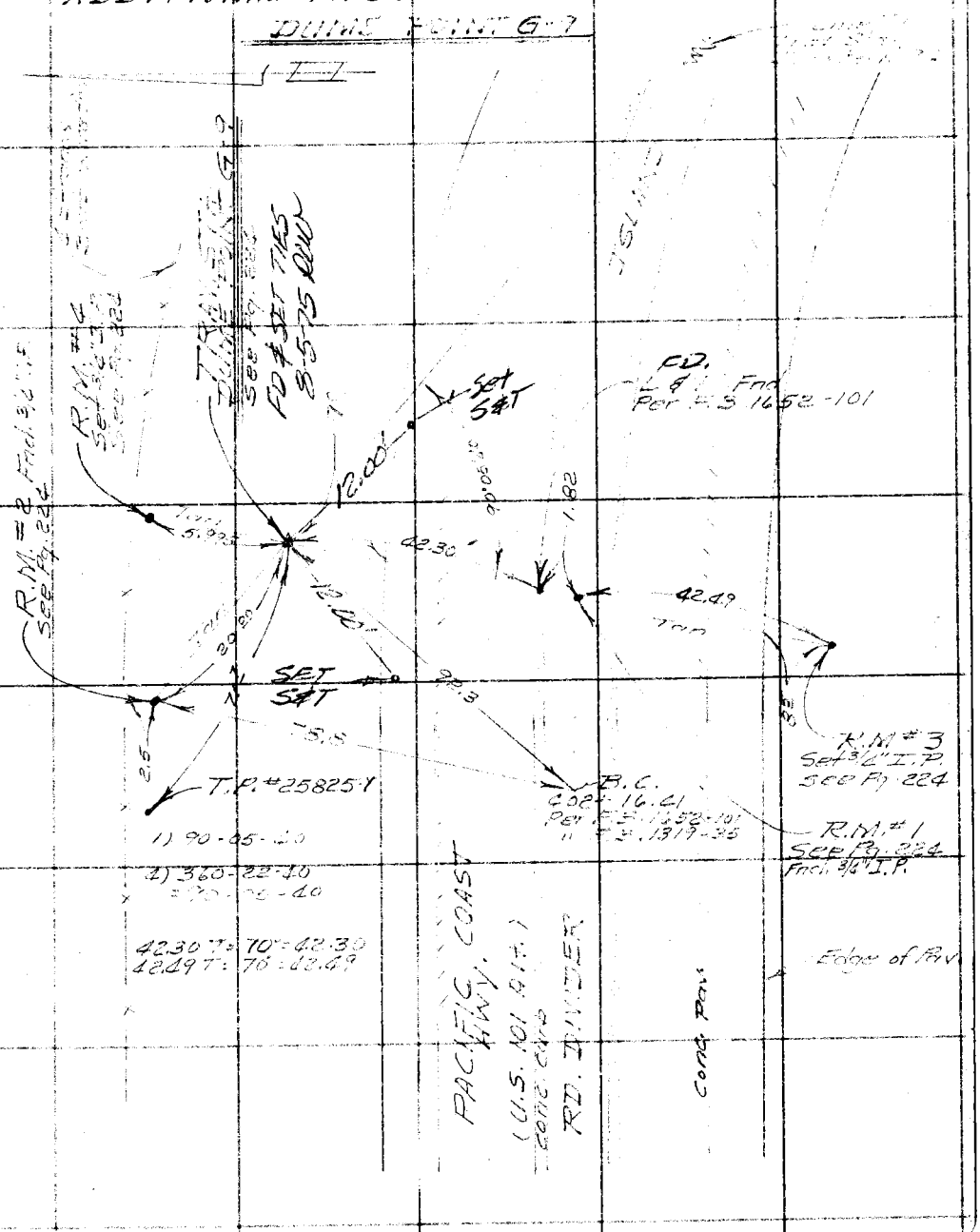
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 2301.00 Tape No. [illegible] St'd. 68 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed K. C. Johnson

F. B. [illegible] Pg. 223

WS 95, C-3

ADDITIONAL TIES FOR L.A.CO. TRAV. STATION

DUME POINT G-7



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76F309S S&E #247. 8-54

F.B. 930 PG. 224

DESCRIPTION

TRAVERSE STATION "DUME POINT G-9

In L.A. Co., on the Coast Line about 3.0 miles N.W. of Point Dume & 0.4 mile west of the Hwy. bridge @ Trancas Cñ. or the West end of the L.A. Co. Zuma Beach, on the Pac. Cst. Hwy. (U.S. 101 Alt.)

STATION MARK:

Fnd. a std. 4" brass tablet in Conc. flush with ground surface inscribed "L.A. Co. Surv. Cont. Sys. - Trav. Sta. DUME POINT G-9, 1950 and Set by County Surveyor R.E. 329 Per. F.B. 1652-101

SUBSURFACE MARK: NONE

R.M. No 1:

Fnd. a 3/4 in. I.P. Set in Conc. with Conc. Core & Copper Pin. in the dividing Stage of the Hwy. 1.0 ft. below curb grade. Per F.B. 1652-101

R.M. No 2:

Fnd. a 3/4" I.P. Set in Conc. with Conc. Core & Copper Pin. 15" below ground Surface
Per F.B. 1652-101

R.M. NO. 3:

Set a 3/4" I.P. with Conc. Plug & Tag 15" deep. Set on line Prod with R.M. #4, & G-9,

R.M. NO. 4:

Set a 3/4" I.P. with Conc. Plug & Tag 15" deep, on line Prod with R.M. #1 thru. G-9

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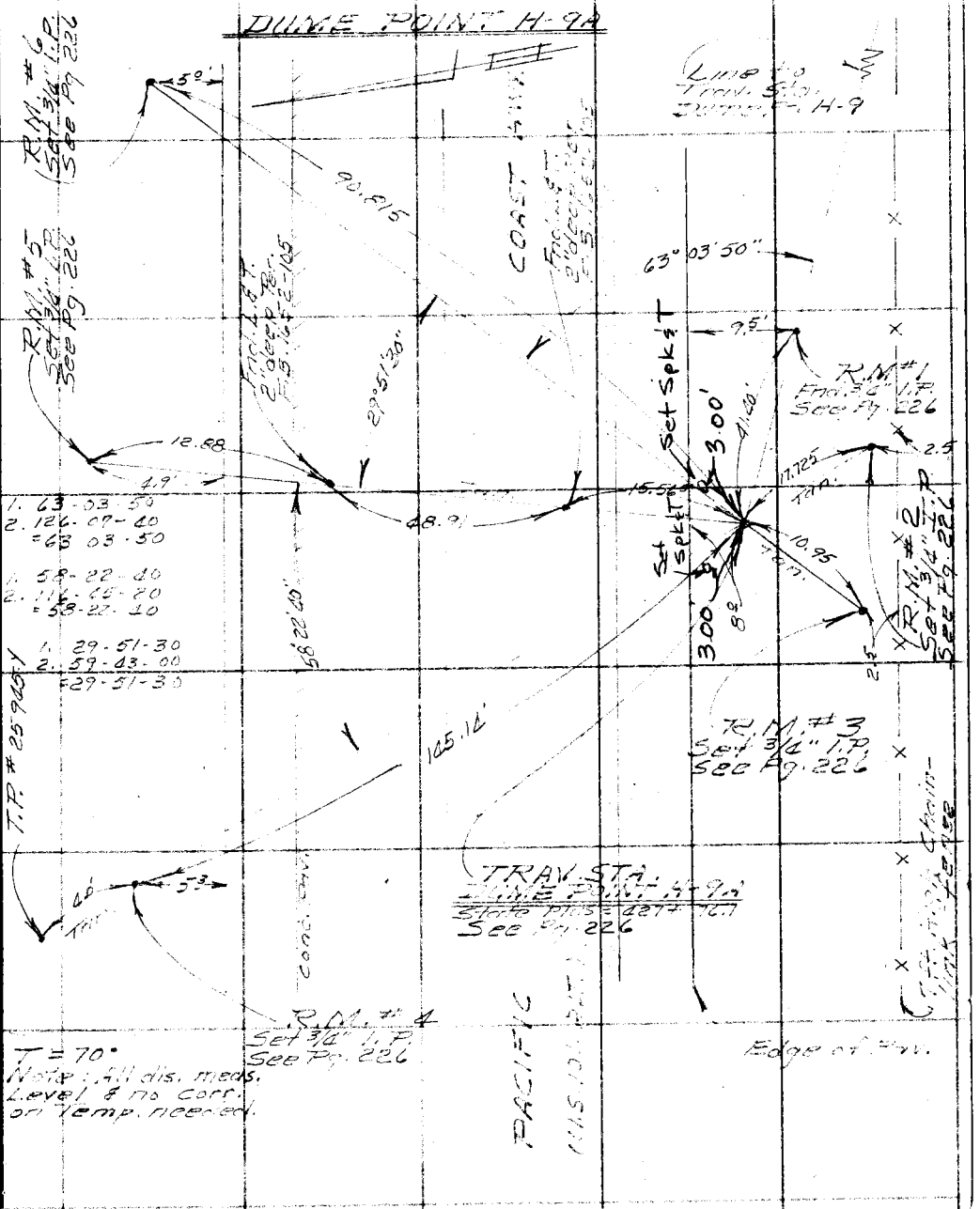
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 2307.00 Tape No. 2161 St'd. 68 °F
Office Work	Surveyed by [illegible]
Checked	Notes E. Landa Date 6-6-57
Date	Indexed A. C. Johnson

F. B. [illegible] PG. 225

ADDITIONAL TIES FOR L.A.CO. TRAVERSE STA.

DUME POINT H-9A



1. 63-03-50
2. 126-07-40
=63 03-50

1. 58-22-40
2. 116-45-20
=58-22-40

1. 29-51-30
2. 59-43-00
=29-51-30

T = 70°
Note: All dis. meas. Level & no corr. on Temp. needed.

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ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 930 PG. 226

DESCRIPTION

TRAVERSE STATION DUME POINT H-9A

In L.A. Co. on the Coast line about 2.7 mi. N.W. of Point Dume. 1.7 mile west of the hwy. bridge at Zuma Creek & 475'± E. of the hwy bridge at Trancas Cn adjacent to & near the west end of the L.A. Co. Zuma Beach, on the Pac. Cst. Hwy. (U.S. 101 P.H.)

STATION MARK: Fnd. a std. 4" brass tablet in Conc. level with Rd. Pav. Inscribed "L.A. Co. Surv. Cont. Sys. - Trav. Sta. DUME POINT H-9A, 1950 & Set by County Surveyor R.E. 329" Per. F.B. 1652-105.

SUBSURFACE MARK: NONE.

R.M. NO. 1: Fn. [illegible] Core & Copper Fn. 8" below level of the road grade. Per F.B. 1652-105.

R.M. NO. 2: Set 3/4" I.P. 15" deep. With [illegible] plug & tag on line Prod. frm. R.M. #1 thru H-9A.

R.M. NO. 3: Set Same as R.M. #1 except on line Prod. frm. R.M. #6 thru H-9A

R.M. NO. 4: Set Same as R.M. #2 except on line to T.P. # 25946-Y frm. H-9A.

R.M. NO. 5: Set Same as R.M. #2 except Proded thru the two L & T frm. H-9A

R.M. NO. 6: Set Same as R.M. #2, & [illegible] R.M. #3 thru H-9A

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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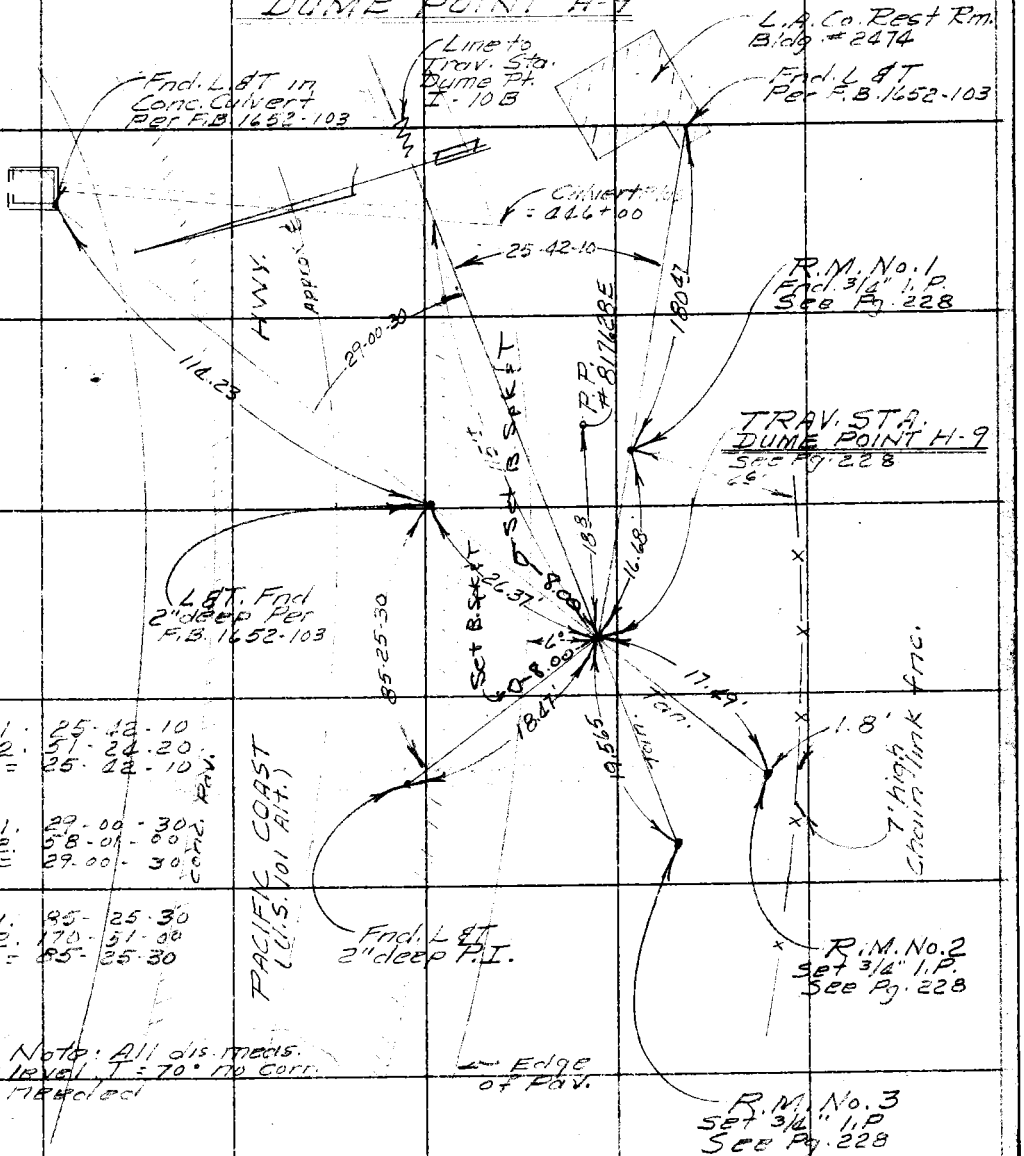
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 030100 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Deken
Checked	Notes E. Landa Date 6-6-57
Date	Indexed E. C. Johnson

F. B. 93A PG. 229

ADDITIONAL TIES FOR L.A. CO. TRAV. STA.

DUME POINT H-9



1. 25-42-10
2. 51-24-20
= 25-42-10

1. 29-00-30
2. 58-01-00
= 29-00-30

1. 85-25-30
2. 170-51-00
= 85-25-30

Note: All dis. meas. level, T = 70° no corr. needed

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76F3098 247 4-53

F.B. 930 Pg. 228

—DESCRIPTION—

TRAVERSE STATION "DUME POINT H-9"

In L.A. Co. on the Coast line abt. 2.5 miles N.W. of Point Dume, 1.4 miles West of Hwy. Bridge #53-28 at Zuma Creek & 0.2 mile east of Hwy. Bridge #53-27 at Trancas Cr. on the Pacific Coast Hwy. (U.S. 101 A.1.) adjacent to the L.A. Co. Zuma Beach.

STATION MARK: Found a std 4" brass tablet in Conc., level with grade of street, inscribed "L.A. Co. Surv. Cont. Sys. Trav. Sta. Dume Point H-9, 1950 & Set by COUNTY SURVEYOR R.E. 329" Per F.B. 1652-103

SUBSURFACE MARK: None.

R.M. N° 1: Fnd. a 3/4" I.P. in Conc. with Copper pin in Conc. core. 15" below Street grade. Per F.B. 1652-103

R.M. N° 2: Set a 3/4" I.P. Conc. Plug & Tag 14" deep, on line Prod frm. L & T in Conc. Culvert thru H.9.

R.M. N° 3: Set a 3/4" I.P. Conc. Plug & Tag 14" deep, on line prod frm. "I-10 B Dume Pt." thru H-9

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Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0161 Std 68 °F
Office Work	Surveyed by V. A. VanDeren
Checked	Notes Van Date 5-17-57
Date	Indexed R. C. Johnson 11-21-57

F. B. 130 Pg. 229

J.N. 0301.00
MAY 14, 1957

LOCATION AND ADDITIONAL TIES ON

TRAVERSE LINE IN MALIBU AREA

AFTER CONST. OF PACIFIC COAST HWY.

FROM ARROYO SEQUIT G-7B
TO LAS FLORES B-8

REFERENCE:
F.B. 1652

PARTY:
M. A. VAN DEREN
E. LANDA
J. BASSEN
R. TURRILL

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700 Los Angeles County Engineering Bldg.

76F3095 S&E #247 1-56

F. B. 930 PG. 230

INDEX

ARROYO SEQUIT		G-7B	Pg 173-174	Solstice Canyon J-8-pg 247-248
"	"	G-7A	" 175-176	Las Flores-B.8-pg 249-250
"	"	H-7C	" 177-178	
"	"	H-7B	" 179-180	
"	"	H-7A	" 181-182	
"	"	H-7	" 183-184	
"	"	I-7A	" 185-186	
"	"	I-7	" 187-188	
"	"	J-7	" 189-190	
"	"	K-7A	" 191-192	
"	"	K-7	" 193-194	
"	"	L-7A	" 195-196	
"	"	L-7B	" 197-198	
DUME POINT		A-7	" 199-200	
"	"	B-8A	" 201-202	
"	"	B-8	" 203-204	
"	"	C-8B	" 205-206	
"	"	C-8A	" 207-208	
"	"	C-8	" 209-210	
"	"	D-8A	" 211-212	stock
"	"	D-8	213-214	
"	"	E-8A	215-216	
"	"	E-8	217-218	
"	"	F-8A	219-220	
"	"	F-8	221-222	
"	"	G-9	223-224	
"	"	H-9A	225-226	
"	"	H-9	227-228	
"	"	I-10B	251-252	
"	"	I-10A	231-232	
"	"	I-10C	233-234	
"	"	J-10	235-236	
"	"	J-11A	237-238	
"	"	J-11	239-240	
"	"	K-10A	241-242	
"	"	L-10	243-244	

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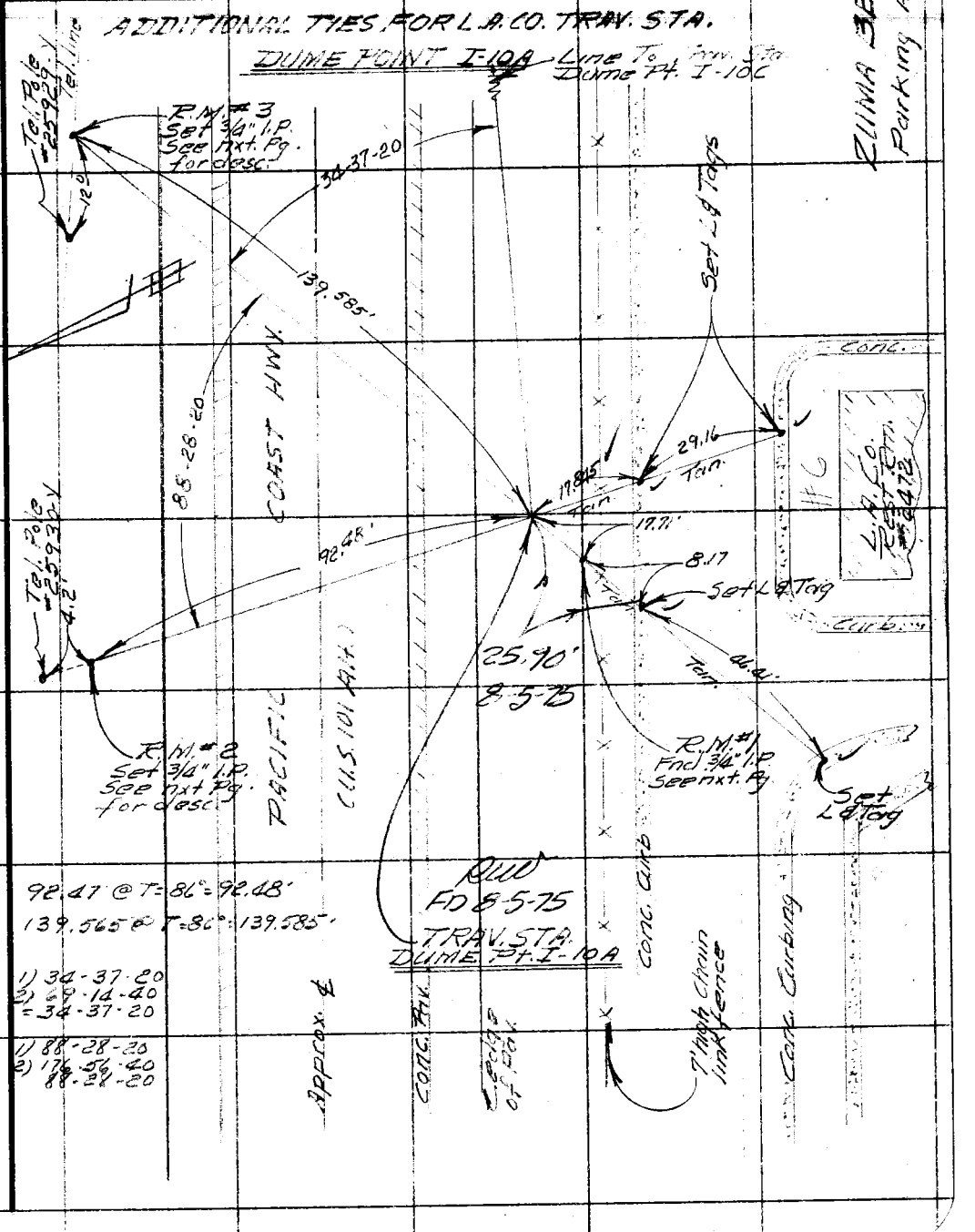
Notes Ck'd by	Survey of Geodetic Conn.
Map No.	W. O. 0301.00 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by [illegible]
Checked	Notes E. Landa Date June 57
Date	Indexed E. C. Johnson

F. B. 93A Pg. 231



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76F3O9S 247 4-53

F.B. 930 PG. 232

—DESCRIPTION—

TRAVERSE STATION "DUME POINT I-10A"

In L.A. Co., at Zuma Beach, on the Pacific Cst. Hwy. (U.S. 101, Alt.) about 1.8 miles west of the Zuma Creek Bridge # 53-28 & 1.0 mile East of the Trancas Creek Bridge #53-27

STATION MARK: Encl. a std. 2" Brass tablet in conc. flush with grade of Hwy. pavement, inscribed," L.A. Co. Surv. Cont. Sys. Trav. Sta. DUME POINT I-10 A. 1950 & Set by County Surveyor R.E. 329." Per F.B. 1652-107

SUBSURFACE MARK: None.

R.M. No 1: Fnd. a 3/4" I.P. in Conc. with Copper Pin in Conc. Cont. 10" below top of curb. Per F.B. 1652-107

R.M. No 2: Set a 3/4" I.P. with Conc. Plug & Tag, down 14 in.

R.M. No 3: Set Same as No 2

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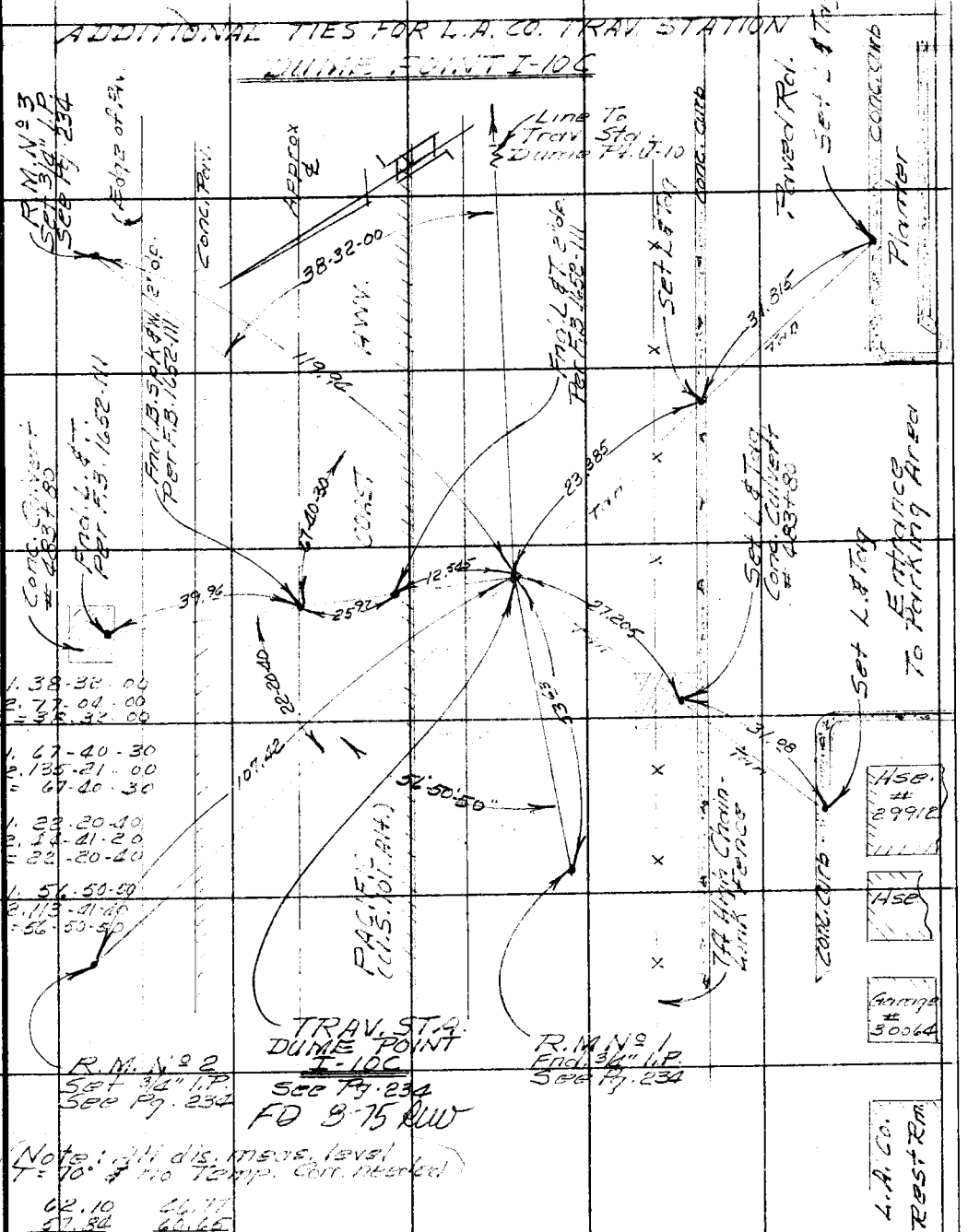
Notes Ck'd by	Survey of Geodetic Control
Map No.	W. O. 8301.00 Tape No. [illegible] St'd. 68° °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes E. Landa Date 6-7-57
Date	Indexed A. C. Johnson

F. B. 930 Pg. 233

ADDITIONAL TIES FOR L.A. CO. TRAV. STATION
DUME POINT I-10C



1. 38-32-00
2. 77-04-00
= 38-32-00

1. 67-40-30
2. 135-21-00
= 67-40-30

1. 22-20-40
2. 44-41-20
= 22-20-40

1. 56-50-50
2. 113-41-40
= 56-50-50

(Note: All dis. meas. level T = 70° & no Temp. Corr. needed)

62.10	46.77
57.84	60.65
119.94	107.42

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726 LOS ANGELES COUNTY
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76FS09S 247 4-53

F. B. 930 PG. 234

—DESCRIPTION—

TRAVERSE STATION: "DUME POINT I-10C

In L.A. Co. near the Eastly end of Zuma Beach about 0.65 mile S.W. of the Zuma Creek bridge #53-28 on the Pacific Cst. Hwy. R/W. (US. 101 Alt.) In a well cut through the Pavement & protected by a cast Iron Cover mkd. "COUNTY SURVEYOR MONUMENT."

STATION MARK:

Fnd. a standard 4" brass tablet in Conc. 2" below sub grade of the Hwy. Inscribed "L.A. Co. Surv. Contr. Sys. Trav. Sta. DUME POINT I-10C, 1950 & Set by County Surveyor R.E.-329" Per F.B. 1652-111

SUBSURFACE MARK: None.

R.M. No 1: Fnd. a 3/4" I.P. in Conc. with Copper Pin in Conc. Core, 1.0 ft. below level of pavement Per F.B. 1652-111

R.M. No 2: Set a 3/4" I.P. 20" deep with Conc. plug & Tag. Tan. To Two L & Tag

R.M. No 3. Set a 3/4" I.P. 15" deep with Conc. plug & Tag Tan. To Two L & Tags

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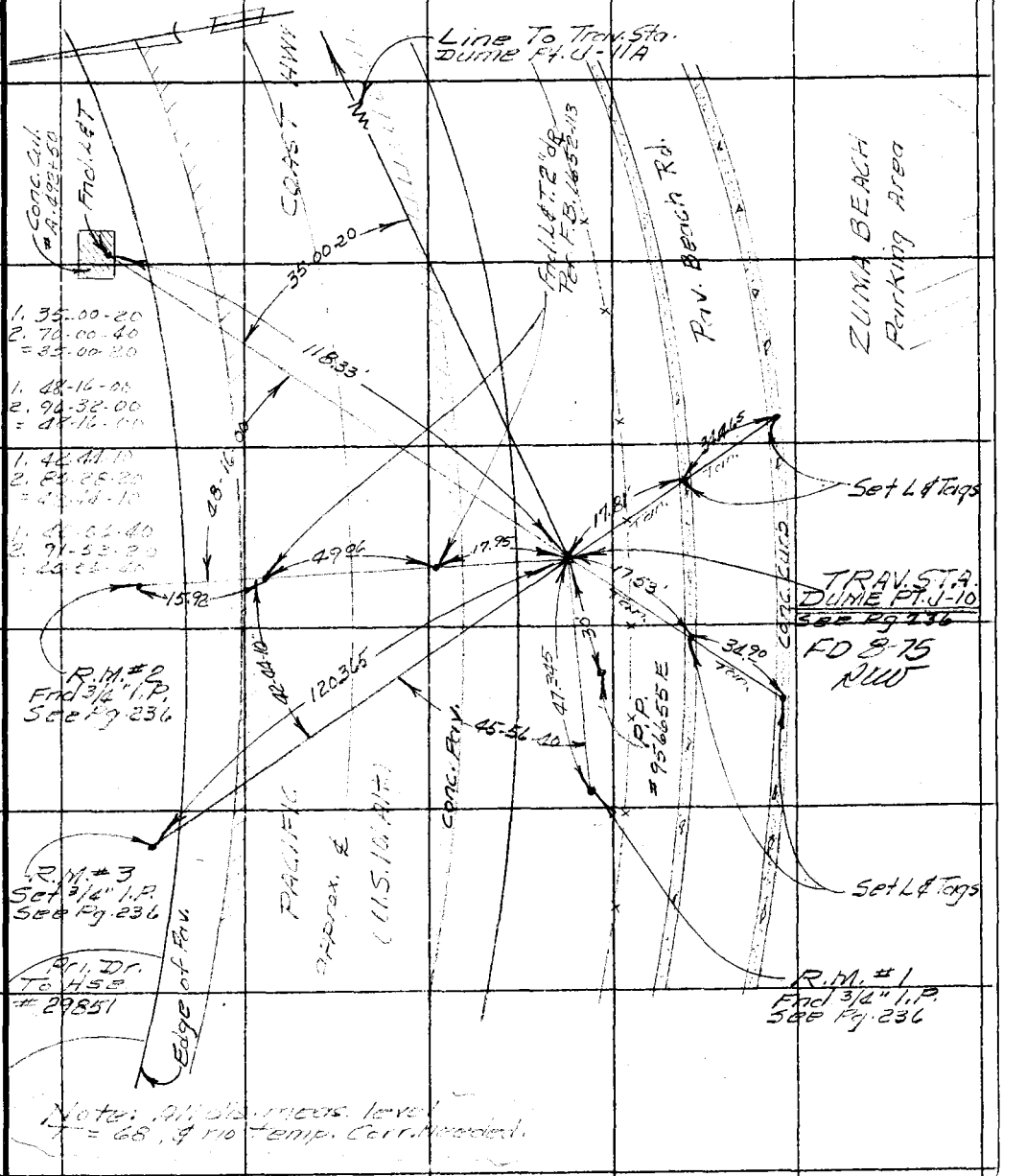
Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date 6-11-57
Date	Indexed C. Johnson

F. B. PG.

ADDITIONAL TIES FOR L.A. CO. TRAV. STA. DUME POINT J-10



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726 LOS ANGELES COUNTY
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76F3098 247 4-53

F.B. 930 Pg. 236

—DESCRIPTION—

TRAVERSE STATION "DUME POINT NO"

In L.A. Co. near the Easterly end of Zuma Beach about 0.5 mile S.W. from the Zuma Creek Bridge # 53-28 on the Pac. Cst. Hwy. R/W. (U.S. 101 Alt.)

STATION MARK: Fnd. a Std. 4" brass tablet in conc. " below grade of the Hwy. Inscribed "L.A. Co. Surv. Cont. Sys. Trav. Sta. DUME POINT J-10, 1950, & Set by County Surveyor R.E. 329." Per F.B. 1652-113

SUBSURFACE MARK: None.

R.M. Nº 1: Fnd. a 3/4" I.P. in conc. with copper pin in conc. core. 18 in. below level of pavement Per F.B. 1652-113

R.M. Nº 2: Fnd Same as Nº 1, except 20" dn. Per F.B. 1652-113

R.M. Nº 3: Set, 3/4" I.P. with conc. plug & Tag 15" below level of Pavement.

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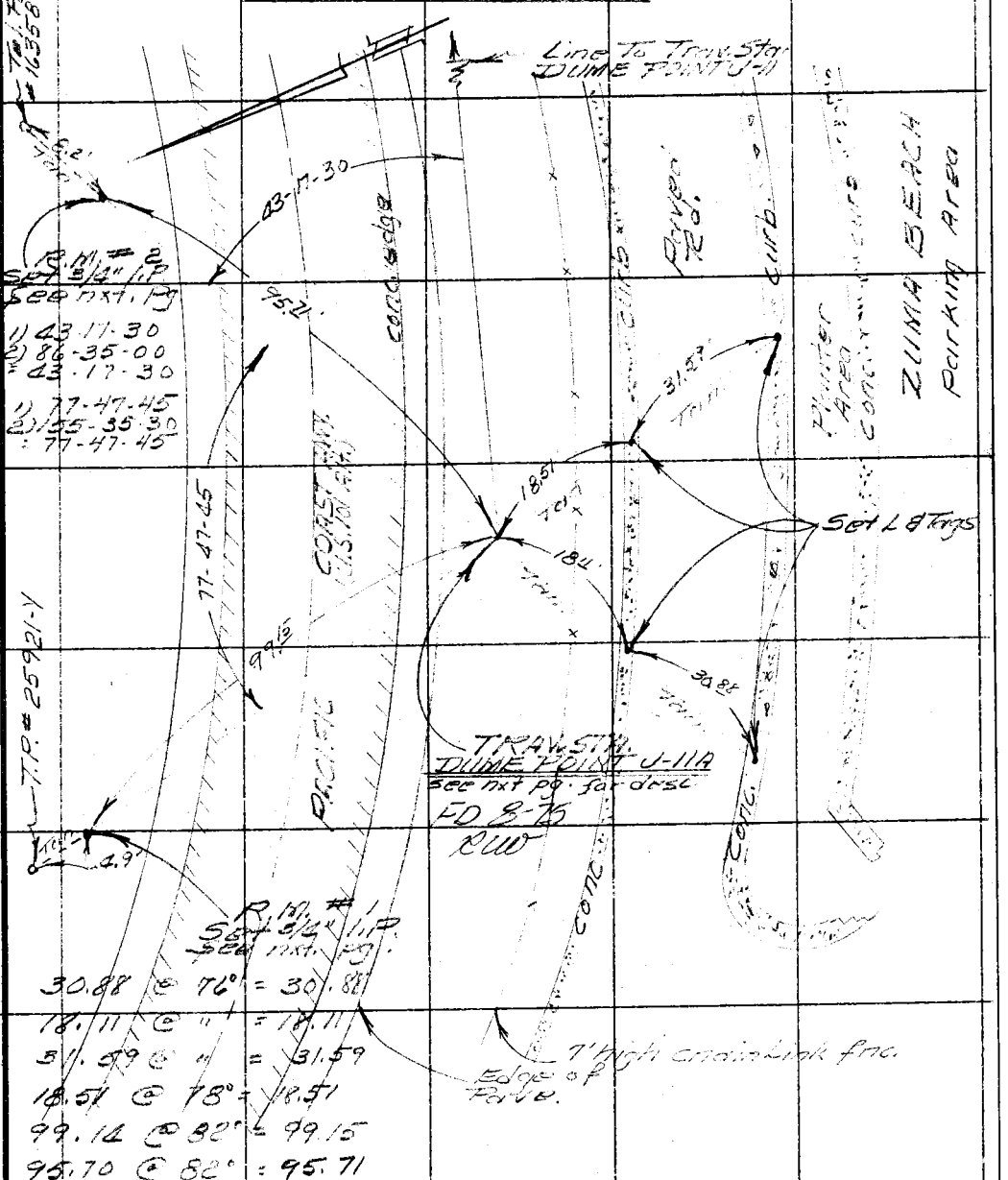
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 8301.00 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes E. Landa Date June 57
Date	Indexed K. C. Johnson

F. B. 930 PG. 234

ADDITIONAL TIES FOR L.A. CO. TRAV. STA. DUME POINT J-11A



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76F309S 247 4-53

F. B. 930 Pg. 238

— DESCRIPTION —

TRAVERSE STATION "DUNE POINT U-11A"

In L.A. Co. at Zuma Beach about 0.35 mile west of Zuma Creek Bridge #53-28 on the South side of the Pac. Cst. Hiwy (U.S. 101 Alt.)

STATION MARK: Fnd. a std. 4" brass inlet in conc. level with pavement inscribed "L.A. Co. Surv. Cont. Sys. Trav. Sta. Dune Point U-11A, 1950 & Set by County Surveyor R.E. 3291" Per. F.B. 1652-117.

SUBSURFACE MARK: None

R.M. #1: Set a 3/4" I.P. 16 in. deep with conc. with 3" Tag.

R.M. #2: Set a 3/4" I.P. 16 in. deep with conc. Slug 3" Tag.

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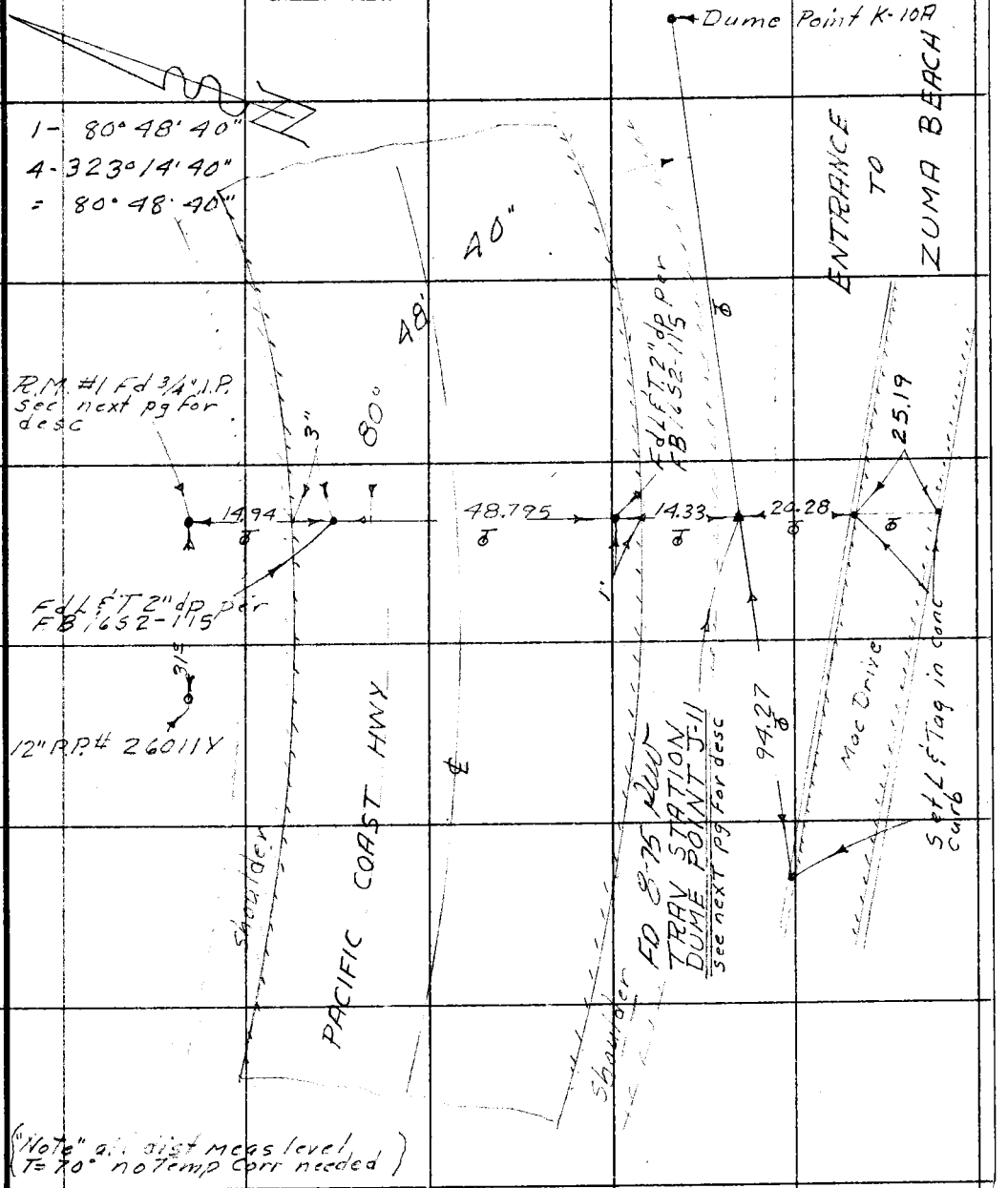
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 030100 Tape No. 0161 St'd. [illegible] °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes Van Date 10-29-57
Date	Indexed A. C. Johnson

F. B. 434 PG. 239

ADDITIONAL TIES FOR L.A.CO. TRAVERSE STATION

DUME POINT J-11



("Note" all dist meas level, T=70° no temp corr needed)

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76F3095 247 4-53

F. B. 750 Pg. 220

—DESCRIPTION—

TRAVERSE STATION DUME POINT U-N

In L.A. Co. about 1.25 miles N.W. of Point Dume & 1.25 S.W. of 7.95 Zuma Creek Bridge #53.28 on the Pacific Coast Hwy (U.S. 101 Alt.) Near the Easterly end of the L.A. Co. Zuma Beach.

STATION MARK: Found a std 4" brass Tablet set in conc 3" dp. inscribed L.A. CO. Survey Cont. Sys. Trav Sta Dume Point J-1, 1950 set by County Surveyor R.E. 329 per FB 1652-115-116

SUBSURFACE MARK: none

RM #1 Fd a 3/4" I.P. conc plug and copper pin set in conc 15" dp. per FB 1652-115-116

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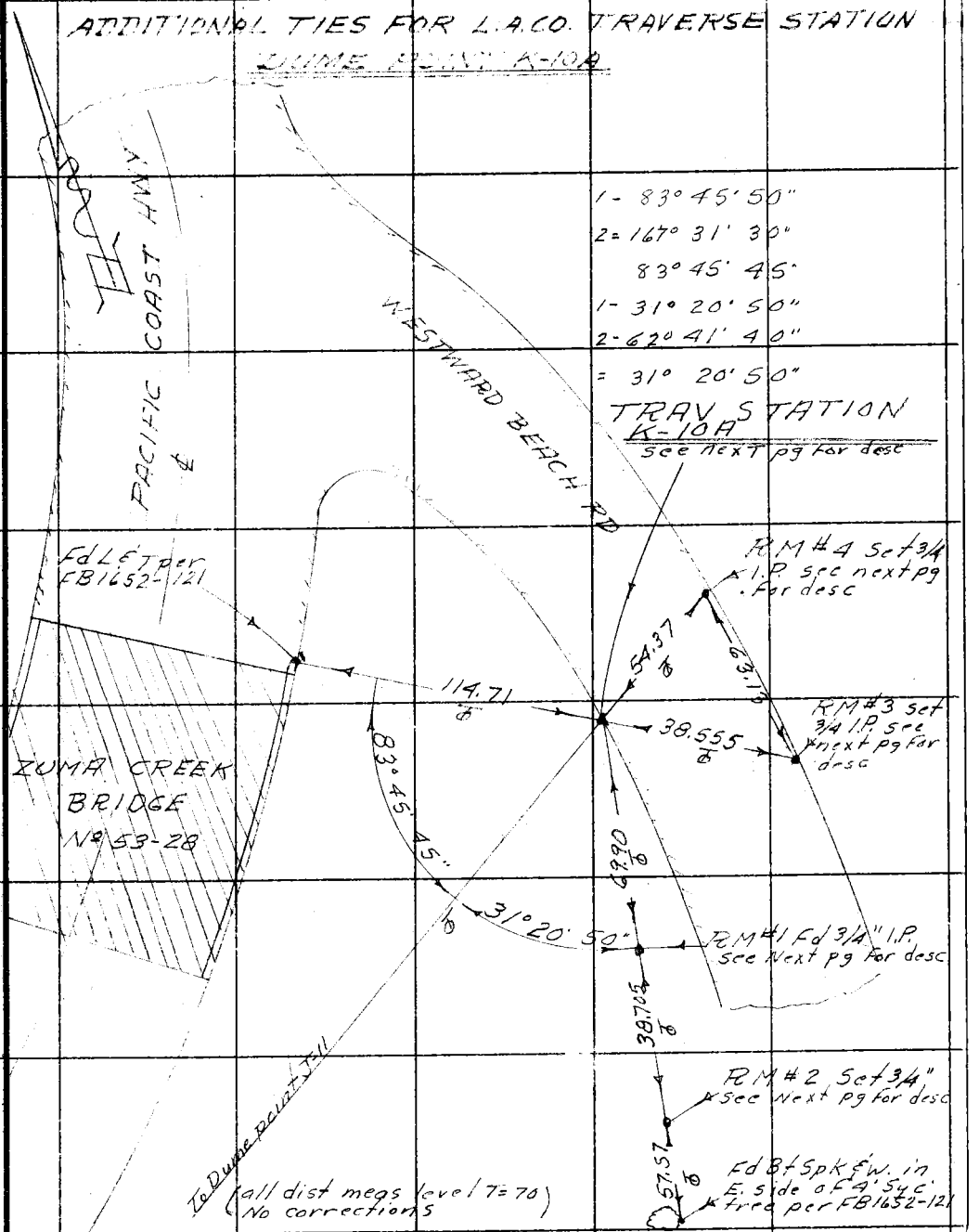
Map No.	W. O. 0301.00 Tape No. [illegible] St'd. [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes Van Date 10-29-57
Date	Indexed A. C. Johnson

F. B. [illegible] PG. [illegible]

ADDITIONAL TIES FOR L.A.CO. TRAVERSE STATION

DUME POINT K-10A



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726 LOS ANGELES COUNTY
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76F3099 247 4-53

F. B. 940 Pg. 242

-DESCRIPTION-

TRAVERSE STATION "DUME POINT K-10A

In L.A. Co. about 1.25 miles N.W. of point Dume near the Est'y end of Zuma Beach near the Pacific Coast Hwy. Zuma Creek Bridge #53-28 on the Westward Beach Rd.

STATION MARK. Fd a std 4" brass tablet set in conc in H.H. 10"dp. inscribed L.A. Co. Surv. Cont. Sys. traverse station Dume Point K-10A 1950 set by Co Surveyor R.E. 329

SUBSURFACE MARK None

R.M. #1 Fd a 3/4" I.P. Set in conc. with conc plug and copper pin. 15" deep per FB 1662-121-122

R.M. #2 Set 3/4" I.P Conc plug & Tag 15"dp

RM#3 Set 3/4" I.P. conc plug & Tag 13"dp

R.M. #4 Set 3/4" I.P. conc plug & Tag 15"dp Set on line prod From Dume point J-11 thru Dume Point K-10A

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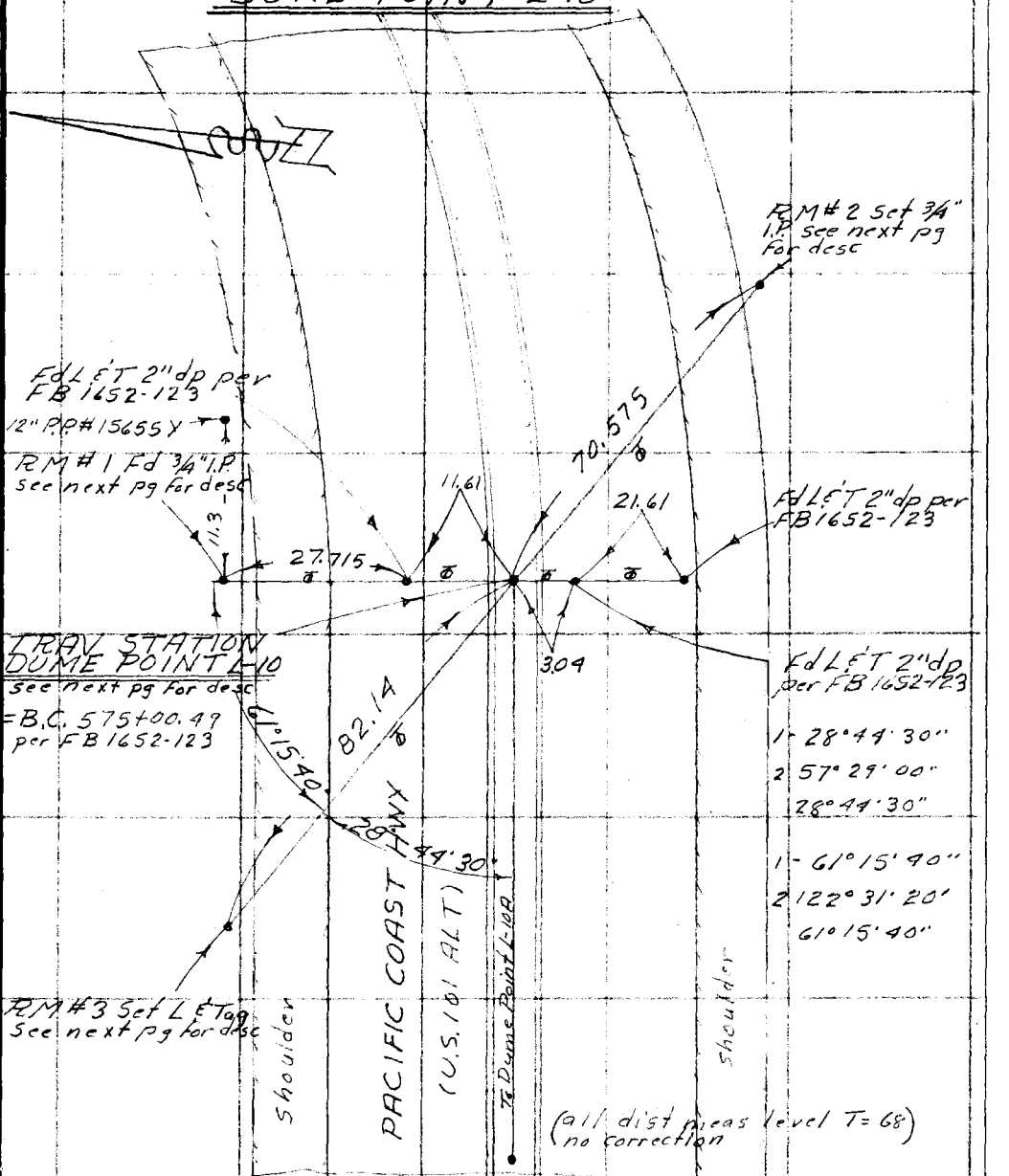
Map No.	W. O. 3901.00 Tape No. 2161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Dercom
Checked	Notes Van Date 10-31-57
Date	Indexed K. O. Johnson

F. B. 930 Pg. 203

ADDITIONAL TIES FOR L.A. CO. TRAV STATION "DUME POINT L-10"



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76F309S S&E #247. 8-54

F.B. 930 Pg. 299

— DESCRIPTION —

TRAV STATION "DUME POINT L-10"

in L.A. Co. near Point Dume. about ⅛ Mile West of L.A. Co. Fire station-Zuma Engine Co #71, at beginning of curve to the east. on the Pacific coast Hwy.

STATION MARK: Fd a 4" brass tablet set in conc 4" deep within the dividing strip. and inscribed L.A.CO. Surv Cont Sys. Traverse station Dume Point L-10-1950 and set by County Surveyor. R.E. 329 per FB 1652-123-124

SUBSURFACE MARK: none

RM #1 Fd a ¾" I.P. set in conc 13" dp with conc plug and copper pin 12" dp per FB 1652-123-124

RM #2 set ¾" I.P. conc plug & Tag 14" dp

R.M. # 3 set L & Tag 13" dp in rock base

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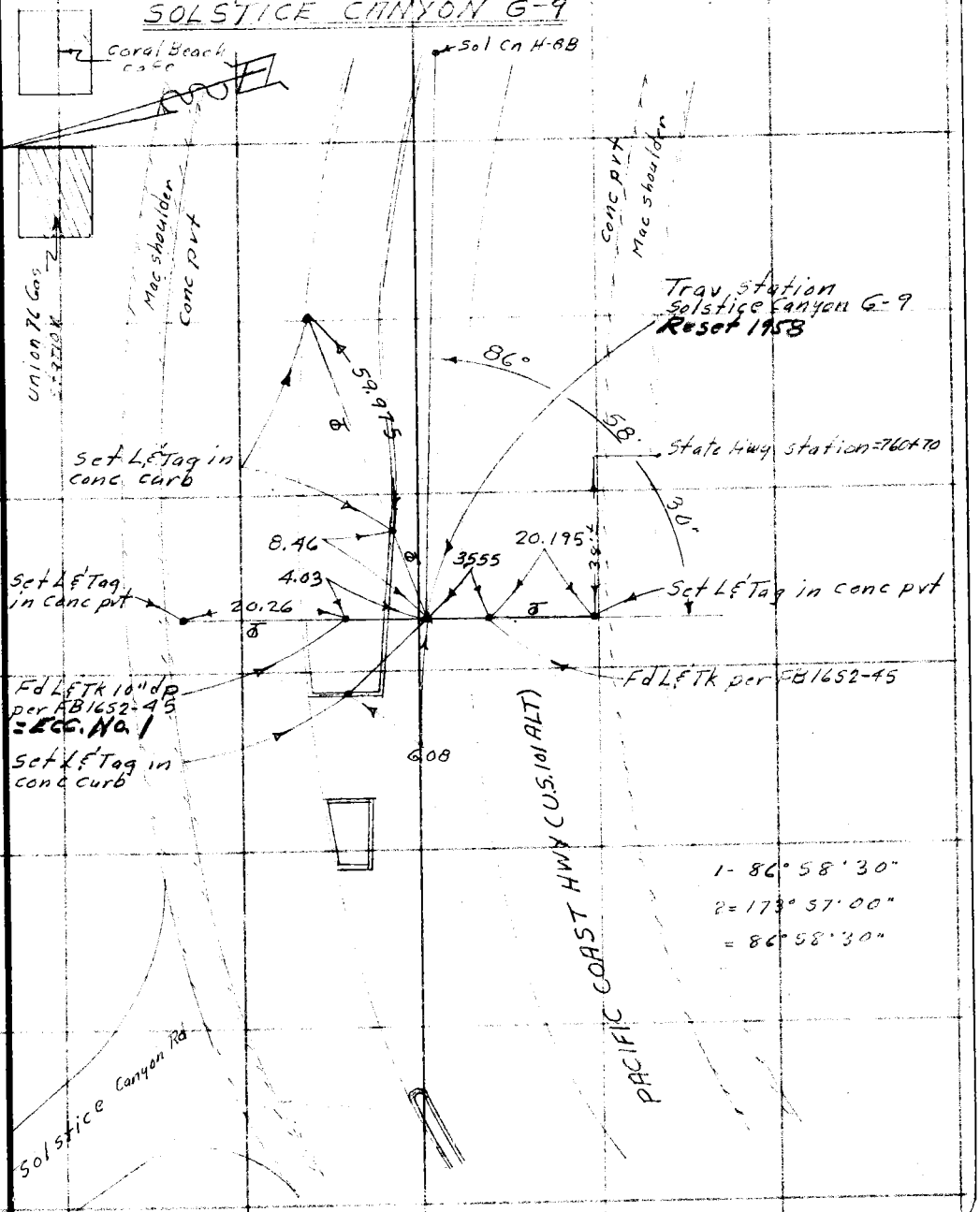
Map No.	W. O. 0301.08 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M.A. Van Dorn
Checked	Notes Van Date 11-6-57
Date	Indexed C. Johnson

F. B. 930 Pg. 245

ADDITIONAL TIES FOR L.A. CO. TRAV STATION SOLSTICE CANYON G-9



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76F309S S&E #247. 8-54

F. B. 930 PG. 246

-DESCRIPTION-

TRAVERSE STATION SOLSTICE CANYON G-9

in L.A.Co. near westerly limits of the Santa Monica bay. Malibu district. at the mouth of solstice Canyon and on the Pacific Coast Hwy. (U.S. 101 Alt)

STATION MARK : SET A STD. 4" BRASS CAP TRAVERSE STATION MON. IN CONC. DM. 10" AND STAMPED "SOLSTICE CN. G-9 RESET 1958, CO. ENGR., RE. 58[illegible]" IN A WELL CUT THRU THE PVMT. AND PROTECTED BY A CAST IRON COVER.

[illegible] 38 [illegible]

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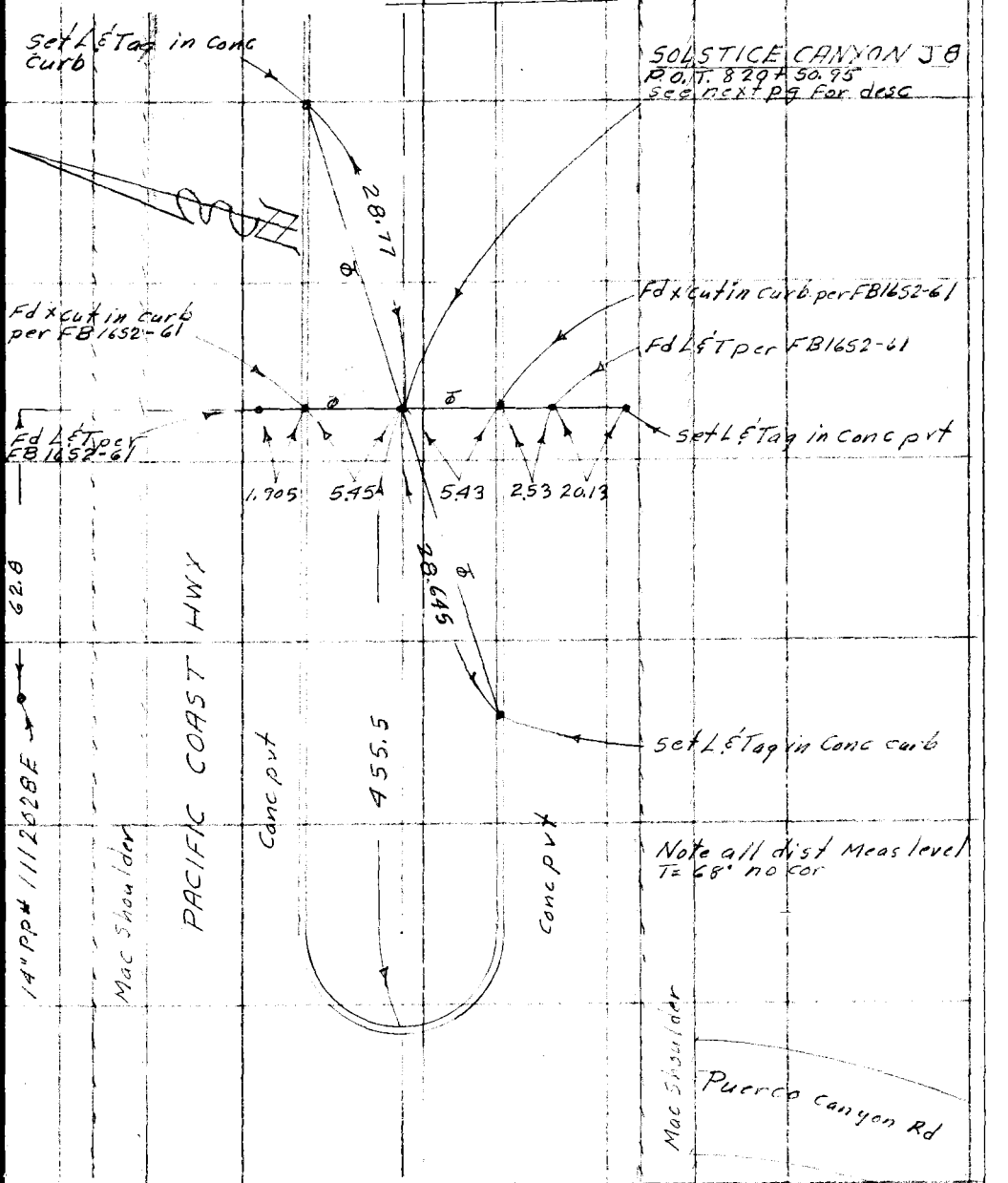
Notes Ck'd by	Survey of Geodetic Control
Map No.	W. O. 030108 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Doren
Checked	Notes Van Date 11-7-57
Date	Indexed C. Johnson

F. B. 930 Pg. 247

ADDITIONAL TIES FOR L.A.CO. TRAV STATION

SOLSTICE CANYON J-8



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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 S&E #247. 8-54

F.B. 934 Pg. 298

—DESCRIPTON—

TRAV STATION SOLSTICE CANYON J-8

In L.A.Co, and in the Santa Monica bay area. Malibu area 2 1/4 Miles west of the Malibu creek bridge. or 0.1 Mile E. of the Puerco Canyon Rd. and on the Pacific Coast Hwy. (U.S. 101 Alt) in the dividing strip

STATION MARK: Fd a std 4" brass tablet set in conc 8" dp. inscribed L.A.Co. Surv. Cont. Sys. Trav station Solstice Canyon J-8-1950 and set by Co Surveyor, R.E.329

SUBSURFACE MARK- None

RETURN TO
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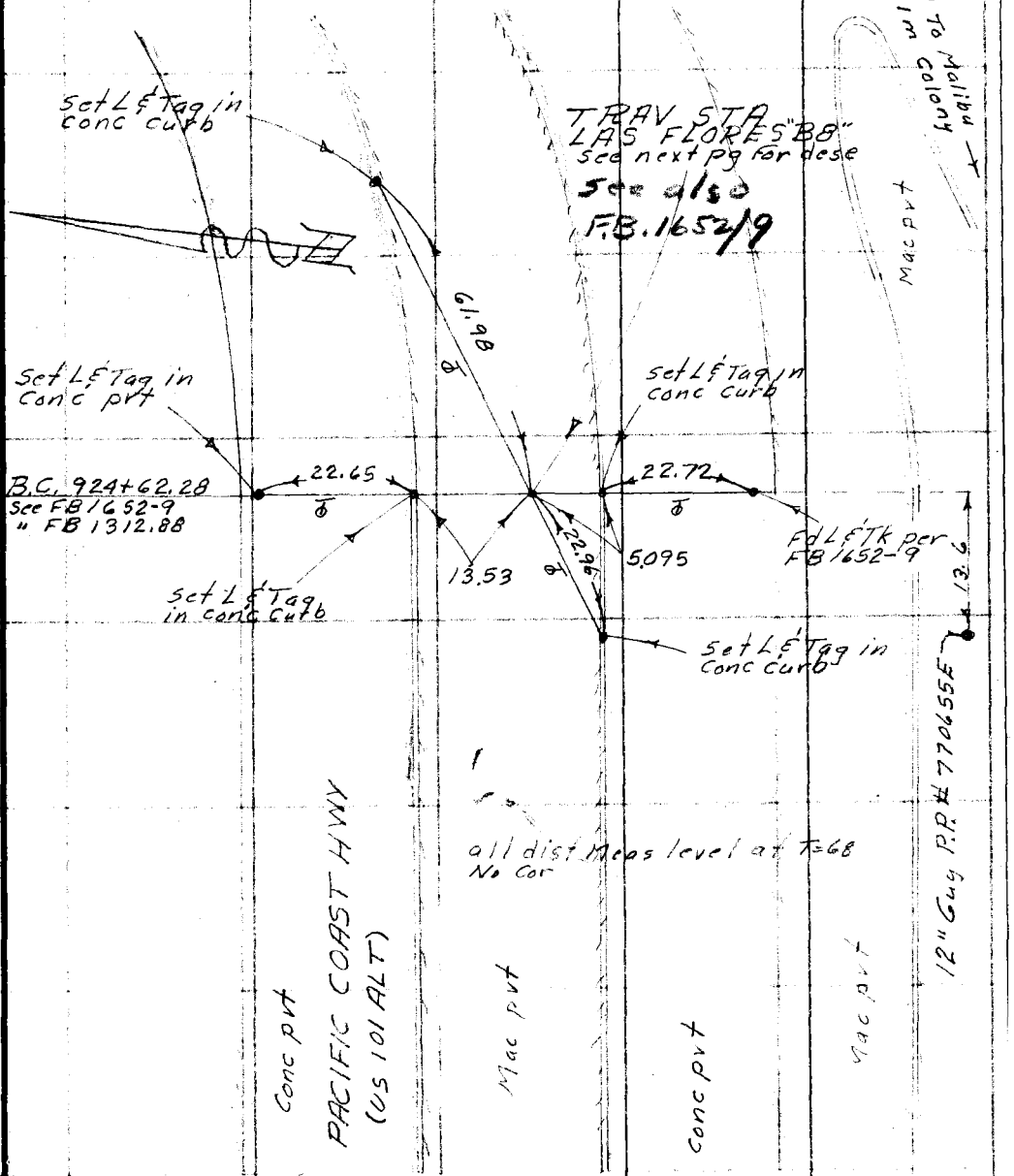
Notes Ck'd by	Survey of Geodetic Control
Map No.	W. O. 0301.00 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes Van Date 11-8-57
Date	Indexed K. C. Johnson

F. B. 930 Pg. 249

ADDITIONAL TIES FOR LA.CO. TRAV STA

LAS FLORES B-8



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

Do not extend notes this side of this line.

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

76F309S S&E #247. 8-54

F. B. 930 Pg. 250

— DESCRIPTION —

TRAV STA LAS FLORES B8

In L.A. County, Santa Monica Bay Area, on Pa[illegible] Coast Hwy. (U.S. 101 Alt.) 1/4 Mile west of [illegible] Malibu Creek Bridge in the dividing strip.

STATION MARK: Fd a std. 4" brass Tablet in Conc. 8" below curb level, inscribed - "L.A.CO. SURV. CONTROL SYSTEM - TRAVERSE STA LAS FLORES B-8, 1950 and set By COUNTY SURVEYOR, R.E. 329."
See F.B. 1652 - 9 & 10. Well & Cover set on this mon
1-27-58 Van Dorn

SUBSURFACE MARK: None.

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726 LOS ANGELES COUNTY
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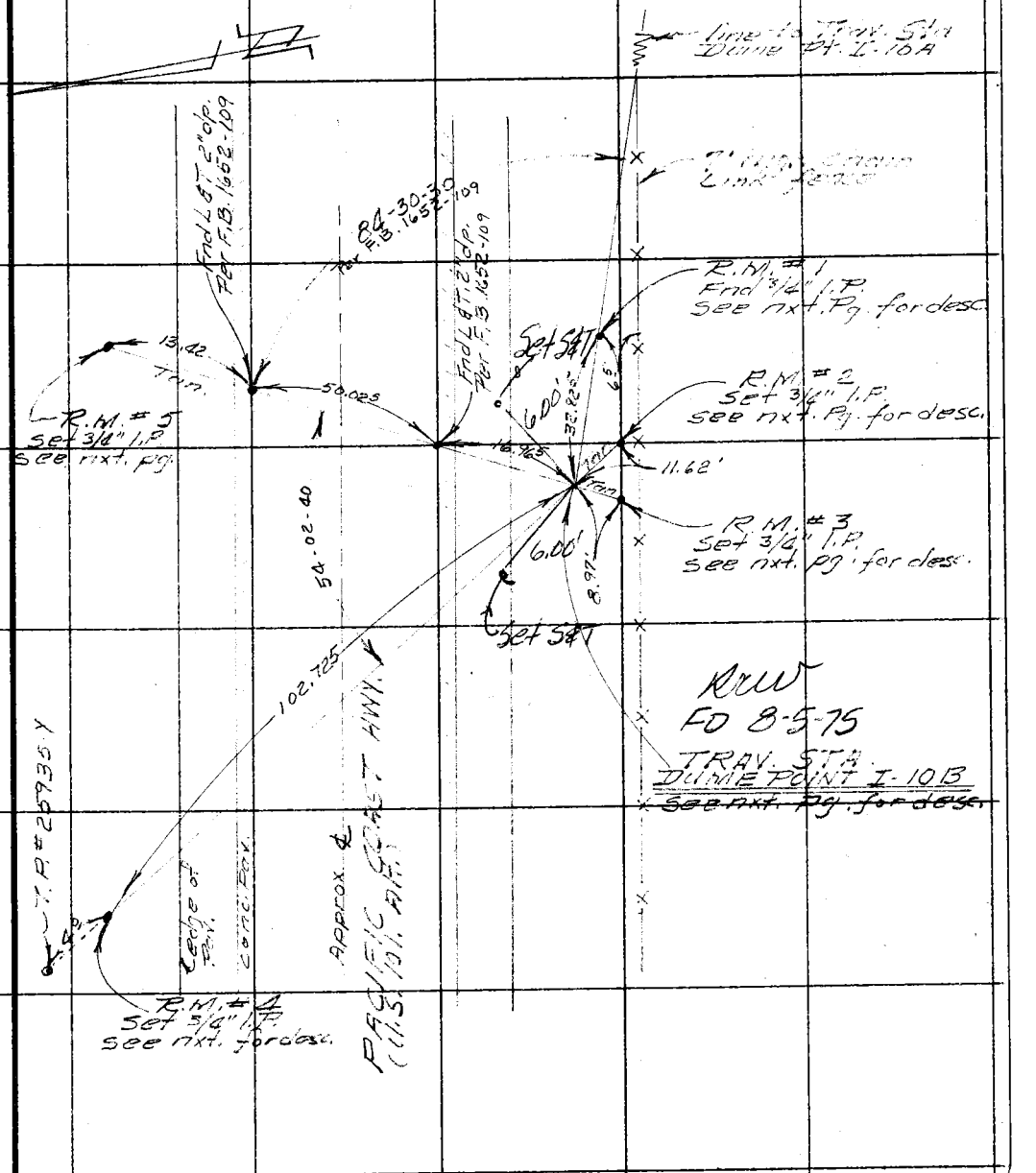
Notes Ck'd by	Survey of Geodetic Contr.
Map No.	W. O. 0301.00 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes E. Landa Date June 57
Date	Indexed R. C. Johnson 11-21-57

F. B. 234 PG. 251

ADDITIONAL TIES FOR L.A. CO. TRAV. STA.
DUME POINT I-10B



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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S 247 4-53

F. B. 930 Pg. 252

DESCRIPTION

TRAVERSE STATION DUME POINT I-10B

In L.A. Co. on the coast line 2 miles N.W. of Point Dume, 1 mile west of the Zuma Creek Hwy. bridge #53-28 & 0.7 mile east of the Trancas Cr. Hwy. Brdge #53-27 on the Pac. Cst. Hwy. (U.S. 101 A.H.) adjacent to the L.A. Co. Zuma Beach.

STATION MARK: Fnd. a std. 4" brass tablet in conc. flush with street grade inscribed "L.A. Co. Surv. Cont. Sys - Horiz. Brs., DUME POINT I-10B, 1950 & Set by County Surveyor, R.E. 329' Per F.B. 1652-109

WITNESS MARK: None

R.M. N°1: Fnd. a 3/4 I.P. in conc. with copper pin in conc. Conc. 15" below ground Surface. Per F.B. 1652-109

R.M. N°2: Set a 3/4" I.P. with conc. plug & Tag 12" deep. Set on line prod. from R.M. N° 4 thru I-10B.

R.M. N° 3: Set Same as #2, Except on line prod. from R.M. E 5 thru I-10B.

R.M. N° 4: Set Same as R.M. #2

R.M. N° 5: Set Same as R.M. #3

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76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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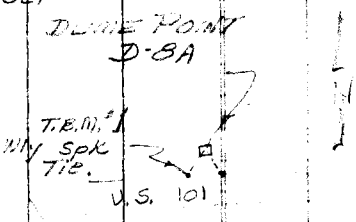
Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TRANSFER OF B.M. ELEVATIONS TO NEW MONUMENTS						
B.M. 48-146	121.400				121.400	B.M. 48-146 Elev. 121.40
+	5.416		5.327			Per F.B. 1369-121 & 1652-89
⊼	126.816	1.771	1.772			930-211 & 212
−	3.645		3.555			
T.B.M. #1	123.171					T.B.M. #1 Spk. & W. flush. Most Wly.
+	2.961		2.678			
⊼	126.132	0.107	0.107			
−	2.854		2.571			
D8A	123.278				123.278	D8A New Mon Set. Per F.B. 930-211, 212

Re Set



Van:
Using these Elev. obtain new elev on D8A

run 7-22-57
(M.A. Van Sorey)

NOTES RED. ____ JOB NO. 0301.00 SURVEY OF Geodetic Control
DATE ____ SURVEY BY H.R.S. DATE 6-18-57
NOTES CHKD. ____ NOTES BY ____ DATE 7-26-57
DATE ____ INDEXED ____ DATE ____

F.B. 930 PG. 253

F. B. 930 PG. 254

JOB NO. ______ SURVEY OF ______ NOTES RED. ______

SURVEY BY ______ DATE ______

NOTES BY ______ DATE ______ NOTES CHKD. ______

INDEXED ______ DATE ______ DATE ______

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

Do not extend notes this side of this line

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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76S420 S & E-353 4-54

F. B. 930 PG. 255

NOTES RED. _____ JOB NO. 0054.74 SURVEY OF ZUMA BEACH
DATE _____ SURVEY BY L. L. BROWN
NOTES CHKD. Miller NOTES BY L. L. B. DATE 12-22-57
DATE Mar. 1958 INDEXED [illegible] Johnson DATE 3-12-57

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
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line

DESCRIPTION	BENCH LEVELS ZUMA BEACH J.N. 0054.74 BENCH LEVELS FOR TOPOGRAPHIC MAP P.T. 168
ADJ. ELEV.	BENCH LEVEL CIRCUIT FROM B.M. H-9A (475'± EAST OF TRANCAS BRIDGE.) EASTERLY ALONG PACIFIC COAST HWY. THROUGH U.S. B.M. 3004 AND RETURN WESTERLY ALONG BEACH TO U.S. B.M. 1314 AT TRANCAS BRIDGE.
3RD RUN	
2ND RUN	
DIFF.	
1ST RUN	L. L. BROWN BOWLES WEST MATTHESON REF. F.B. 930 F.B. 1445
B.M.	

76S420 S & E-353 4-54

F. B. 930 PG. 256

JOB NO. 0054.74 SURVEY OF ZUMA BEACH NOTES RED.
SURVEY BY L.L. BROWN DATE
NOTES BY L.L.B. DATE 12-23-57 NOTES CHKD. Miller
INDEXED DATE DATE Mar 1958

765420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1st RUN	DIFF.	2nd RUN	3rd RUN	ADJ. ELEV.	DESCRIPTION
FD. B.M. H-9A	13 213 ✓				13 213 ✓	B.M. H-9A { A STD. PT. DUME COAST HWY. [illegible] OF TRANCAS CREEK BRIDGE. F.B. 1652 TIES PER F.B. [illegible], A STD. BRASS DISC. IN 12" X 12" CONC. MON. [illegible] 15' S. OF S. EDGE OF CONC. PAVT. EL. 13.213 F.B. 930-135
+	4 708		4 808			
⊼	17 921 ✓	+0 243	+0 244			
−	4 455		4 564			
T.P.	13 466 ✓					T.P.
+	5 215		5 323			
⊼	18 681 ✓	+0 767	+0 764			
−	4 448		4 559			
T.P.	14 233 ✓					T.P.
+	4 840		4 673			
⊼	19 073 ✓	−2 535	−2 587			
−	7 425		7 260			
FD. B.M. Z.B-10	11 648 ✓					B.M. Z.B-10 { 16.6 E. & 3.6 S. OF [illegible] BLDG. NO. 2475 AT STA. [illegible], A LARGE ST. SPK. & W. IN MAC. WALK S. END. EL. 11.657 F.B. 930-135
+	7 828		7 909			
⊼	19 476 ✓	+3 483	+3 484			
−	4 345		4 425			
T.P.	15 131 ✓					T.P.
+	5 079		5 119			
⊼	20 210 ✓	+0 678	+0 683			
−	4 401		4 436			
T.P.	15 809 ✓					T.P.
+	4 860		4 945			
⊼	20 669 ✓	+1 882	+1 877			
−	2 978		3 068			
SET T.B.M. No. 1	17 691 ✓					T.B.M. NO. 1 { ON THE S. SIDE OF PACIFIC COAST HWY. 0.30 MI. E. OF TRANCAS CREEK BRIDGE. SET LARGE BT. SPK. IN N. SIDE P. Pole #817626-E
+	3 571		3 701			
⊼	21 262 ✓	−1 600	−1 601			
−	5 171		5 302			
T.P.	16 091 ✓					T.P.

769420 S & E-353 4-54

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NOTES RED _____ JOB NO. _____ SURVEY OF _____
DATE _____ SURVEY BY _____
NOTES CHKD. Muller NOTES BY _____ DATE 12-23-54
DATE Mar. 1955 INDEXED _____ DATE _____

F. B. _____ PG. _____

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	16 091 ✓					T.P.
+	4 571		4 435			
=	20 662 ✓	-0 593	+0 596			
-	5 164		5 031			ON TOP OF SPIKE OF PAVEMENT AT HWY. 0.40 MI. E. OF TRAIL CANYON BRIDGE, SET LAGGING 0.4' E. OF C.L. & 0.5' S. OF P.I.
SET T.B.M. No. 2	15 498 ✓					T.B.M. No. 2
+	4 352		4 441			
=	19 850 ✓	-1 007	+1 004			
-	5 350		5 445			
T.P.	14 491 ✓					T.P.
+	4 355		4 628			
=	18 846 ✓	-0 426	+0 491			
-	4 [illegible]		5 119			
T.P.	13 905 ✓					T.P.
+	4 542		4 642			
=	18 537 ✓	+3 174	+3 [illegible]			
-	1 363		[illegible]			
[illegible] - B	[illegible] 169 ✓					T.B.M. [illegible] - B TOP OF [illegible] FIRE HYD. NO. [illegible] 0.2' E. OF [illegible] PAVEMENT SPLIT [illegible] 0.6' E. OF [illegible] P. POLE NO. [illegible] 2 POLES No. 3223[illegible] EL. 17[illegible]
+	2 009		2 09[illegible]			
=	[illegible] 178 ✓	+2 465	+2 462			
-	4 [illegible]		4 551			
T.P.	14 704 ✓					T.P.
+	4 850		5 053			
=	19 554 ✓	+0 500	+0 496			
-	4 450		4 535			
T.P.	15 204 ✓					T.P.
+	4 820		4 941			
=	20 024 ✓	+1 932	+1 933			
-	2 888		3 008			
SET T.B.M. No. 3	17 136 ✓					T.B.M. No. 3 ON TOP OF PACIFIC C.A. HWY. 0.70 MI. E. OF TRAIL CANYON BRIDGE, SET LAGGING C.L. IN N. SIDE P. POLE No. 81766E

76S420 S & E-353 4-54

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JOB NO. 0054.74 SURVEY OF ZUMA BEACH
SURVEY BY L.L.S. BRANCH
NOTES BY L.L.S. DATE 12-23-57
INDEXED C. JOSEPHSON DATE
NOTES RED. DATE
NOTES CHKD Miller DATE March 1958

F.B. 930 Pg. 258

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
SET T.B.M. No. 3	17 136 ✓					T.B.M. No. 3 { 0.7 MI. S. OF PACIFIC COAST HWY. 0.70 M. E. OF TRANCAS CREEK 50 FT. S. OF LARGE RD. STA. IN N. SIDE OF P.C.C. No. 81 836.5
+	3 610		3 520			
⊼	20 746 ✓	-0 457	-0 458			
−	4 069		3 978			
T.P.	16 677 ✓					T.P.
+	5 310		5 379			
⊼	21 987 ✓	-0 405	-0 400			
−	4 905		4 979			
T.P.	17 082 ✓					T.P.
+	4 229		4 411			
⊼	21 311 ✓	-0 806	-0 805			
−	5 035		5 216			
FD U.S.B.M. 3004	16 276 ✓					U.S.B.M. 3004 = K-53 { PACIFIC COAST HWY. STA. 473+23.5 E 42' S. OF E.A.O. S.C.E. STD. DISC IN CONC. FLUM EL. 16.382 ✓
+	1 622		1 371			
⊼	17 895 ✓	-4 458	-4 458			
−	6 080		5 930			
T.P.	11 818 ✓					T.P.
+	4 456		4 441			
⊼	16 274 ✓	-0 549	-0 548			
−	5 005		4 989			
T.P.	11 269 ✓					T.P.
+	5 783		5 697			
⊼	17 052 ✓	+0 877	+0 877			
−	4 904		4 820			
SET T.B.M. No. 4	12 148 ✓					T.B.M. No. 4 { PUNCH ⊕ 2.5 FT. NE TO Z-4 IN TOP OF CONCRETE ±N. OF HOLE No. 29936
+	4 870		4 940			
⊼	17 018 ✓	-0 822	-0 864			
−	5 752		5 824			
T.P.	11 266 ✓					T.P.

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	11 266 ✓					T.P.
+	4 339		4 266			
⊼	15 605 ✓	+0 051	+0 046			
−	4 288		4 220			
T.P.	11 317 ✓					T.P.
+	5 680		5 581			
⊼	16 997 ✓	+3 070	+3 070			
−	2 610		2 511			
T.P.	14 387 ✓					T.P.
+	1 313		0 982			
⊼	15 705 ✓	-5 435	-5 436			
−	6 753		6 418			
SET T.B.M. No. 5	8 752 ✓					T.B.M. No. 5 — ON THE BEACH 220' ± S. [illegible] W. OF THE S. W. [illegible] TRACTOR SHED. [illegible] SPK. IN [illegible]
+	2 470		2 385			
⊼	11 422 ✓	-1 798	-1 797			
−	4 268		4 182			
T.P.	7 154 ✓					T.P.
+	4 844		4 695			
⊼	11 998 ✓	-0 919	-0 919			
−	5 763		5 614			
T.P.	6 235 ✓					T.P.
+	5 529		5 256			
⊼	11 764 ✓	+3 242	+3 246			
−	2 287		2 010			
SET T.B.M. No. 6	9 477 ✓					T.B.M. No. 6 — ON THE BEACH 165' ± E. [illegible] THE Z LINE [illegible] Z LINE SET [illegible]
+	1 684		1 798			
⊼	11 161 ✓	-1 739	-1 740			
−	3 423		3 538			
T.P.	7 738 ✓					T.P.

NOTES RED. _____ JOB NO. 0054.74 SURVEY OF ZUMA BEACH
DATE _____ SURVEY BY L. L. BROWN
NOTES CHKD Miller NOTES BY L. L. B. DATE 12-23-57
DATE March 1958 INDEXED _____ DATE _____

F. B. 730 PG. 258

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	7 738 ✓					T.P.
+	5 206		5 235			
⊼	12 944 ✓	+1 631	+1 631			
−	3 575		3 604			
T.P.	9 369 ✓					T.P.
+	2 677		3 098			
⊼	12 046 ✓	−0 734	−0 736			
−	3 411		3 834			
T.P.	8 635 ✓					T.P.
+	3 449		3 808			
⊼	12 084 ✓	−1 940	−1 941			
−	5 389		5 749			
T.P.	6 695 ✓					T.P.
+	5 061		5 364			
⊼	11 756 ✓	+0 403	+0 404			
−	4 658		4 960			
T.P.	7 098 ✓					T.P.
+	5 024		4 964			
⊼	12 122 ✓	+4 525	+4 522			
−	0 499		0 442			
SET T.B.M. No. 7	11 623 ✓					T.B.M. No. 7 — SET ELEV ON LARGE BT. SPK. MARKED TANGENT IN S. END MAC WALL ON THE EAST SIDE OF TOILET BLDG. No. 2374.
+	5 016		4 947			
⊼	16 639 ✓	+3 874	+3 873			
−	1 142		1 074			
FD T.B.M. No. 2	15 497 ✓					T.B.M. No. 2 — ON THE S. SIDE OF PACIFIC COAST HWY. 0.40 MI. E. OF TRANCAS CREEK BRIDGE. SET LARGE BT. SPK. IN S. SIDE P.B.M. No. 76660 E.
+	0 541		0 727			
⊼	16 038 ✓	−7 297	−7 295			
−	7 838		8 022			
T.P.	8 200 ✓					T.P.

JOB NO. 0054.74 SURVEY OF ZUMA BEACH
SURVEY BY L.L. BROWN
NOTES BY L.L.B. DATE 12-23-57
INDEXED C. Johnson DATE
NOTES RED. DATE
NOTES CHKD. Miller DATE Mar. 1958

F. B. 930 PG. 260

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	8 200 ✓					T.P.
+	3 498		3 583			
π	11 698 ✓	+0 279	+0 278			
−	3 219		3 305			
T.P.	8 479 ✓					T.P.
+	3 852		3 831			
π	12 331 ✓	+1 833	+1 830			
−	2 019		2 001			
SET T.B.M. No. 8	10 312 ✓					T.B.M. No. 8 — ON THE BEACH 620 ± [illegible] TOILET BLDG. No. 23[illegible] [illegible] BT. [illegible] IN PILING [illegible] LIFEGUARD TOWER [illegible]
+	1 727		1 781			
π	12 039 ✓	+3 028	−3 027			
−	4 755		4 808			
T.P.	7 284 ✓					T.P.
+	7 994		8 074			
π	15 278 ✓	+4 335	+4 339			
−	3 659		3 735			
FD B.M. Z.B-10	11 619 ✓					B.M. Z.B-10 — 16.5' E. & 3.5' [illegible] OF TOILET BLDG. No. 2475 AT STA. [illegible] [illegible] BT. SPK. [illegible] WALK [illegible] EL. 11.657 F.B. [illegible]
+	1 806		2 024			
π	13 425 ✓	−3 879	−3 882			
−	5 685		5 906			
T.P.	7 740 ✓					T.P.
+	4 535		4 624			
π	12 275 ✓	−1 470	−1 469			
−	6 005		6 093			
T.P.	6 270 ✓					T.P.
+	4 449		4 520			
π	10 719 ✓	+2 749	+2 751			
−	1 700		1 769			
SET T.B.M. No. 9	9 019 ✓					T.B.M. No. 9 — ON THE BEACH 515' ± E. [illegible] WEST BOUNDARY AT TRANSACTION [illegible] SET BT. SPK. IN TOP OF [illegible] N.E. COR. LIFEGUARD TOWER No. L.A. Co. 2467

NOTES RED. _____ JOB NO. 20 54.74 SURVEY OF ZUMA BEACH
DATE _____ SURVEY BY L.L. BROWN
NOTES CHKD. Miller NOTES BY L.L.B. DATE 12-23-57
DATE Mar. 1958 INDEXED A. C. Johnson DATE _____

F. B. [illegible] PG. [illegible]

76S420 S & E-353 4-54

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0054.74 SURVEY OF ZUMA BEACH NOTES RED
SURVEY BY L. L. BROWN DATE NOTES CHKD Miller
NOTES BY L. C. Johnson DATE 12-23-57 DATE March 1958
INDEXED DATE

F.B. 930 PG. 262

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
SET T.B.M. No. 9	9 019 ✓					T.B.M. No. 9 - SEE ABOVE
+	3 084		3 144			
π	12 108 ✓	-4 070	-4 073			
−	7 159		7 217			
T.P.	4 949 ✓					T.P.
+	6 330		6 498			
π	11 329 ✓	+3 233	+3 230			
−	3 147		3 238			
T.P.	8 182 ✓					T.P.
+	7 302		7 050			
π	15 484 ✓	+6 854	+6 858			
−	0 448		0 192			
T.P.	15 036 ✓					T.P.
+	7 068		7 169			
π	22 104 ✓	+3 489	+3 488			
−	3 580		3 681			
FD. U.S.B.M. 1314	18 524 ✓					U.S.B.M. 1314 (ON STATE HWY. BRIDGE # 53-27 (TOP OF 108 DOWEL IN TOP OF SE WALL S. SIDE HWY. 1938 SURV. TABLET STAMPED R49-1935 SET 1938. 1947 ADJ. EL. 18.527 ✓
+	3 430		3 569			
π	21 954 ✓	-2 565	-2 566			
−	5 995		6 135			
T.P.	15 959 ✓					T.P.
+	3 548		3 640			
π	19 507 ✓	-2 773	-2 776			
−	6 321		6 416			
FD. B.M. H-9A	13 186 ✓					B.M. H-9A ✓ (AUTH. OF DUNE COAST HWY. 1475' E. OF TRANCAS CREEK BRIDGE, F.B. 1652 TIES PER F.B. 930-96. A STD. BRASS DISC IN 12" X 12" CONC. MON. ALIGN 15' S. OF S. EDGE OF CONC. PVMT. EL. 13.213 F.S. 930-135

Notes Ck'd by_____
Map No._____
Office Work_____
Checked_____
Date_____

Survey of Geodetic Control
JN 0301-00 Tape____ Std 68 °F
Surveyed by Mankey
Notes ETM Jr. Date 2-22-62
Indexed_____

F. B. 930 Pg. 243

ADDITIONAL PRECONSTRUCTION TIES TO PERPETUATE

N 68

RESET APRIL 18, 1962 ETM Jr.

Mankey Jr.
Swann
Manley

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

Do not extend notes this side of this line.

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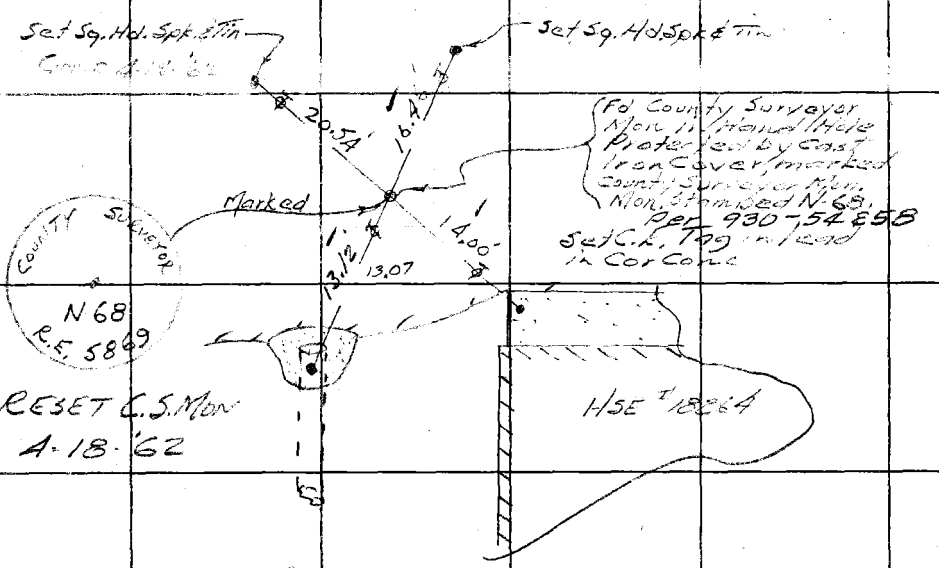
76F30SS CE #247 5-57

F. B. 930 Pg. 264

TOPANGA CANYON

See F.B. 2100-96

PACIFIC COAST ℄ HWY



RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 230.00 Tape Std °F
Office Work	Surveyed by [illegible]
Checked	Notes Date Nov 1962
Date	Indexed

F. B. 930 Pg. 265

ADDITIONAL PRECONSTRUCTION

TIES

TO PERPETUATE

N 72

MONUMENT NOT REMOVED DURING CONSTRUCTION BUT HAS SHIFTED

TIES NOT IN ACCORD

AUG. 8, 1962 ETM Jr.

Manley Jr
McCall
Manley
Swann

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76F309S CE #247—3-57

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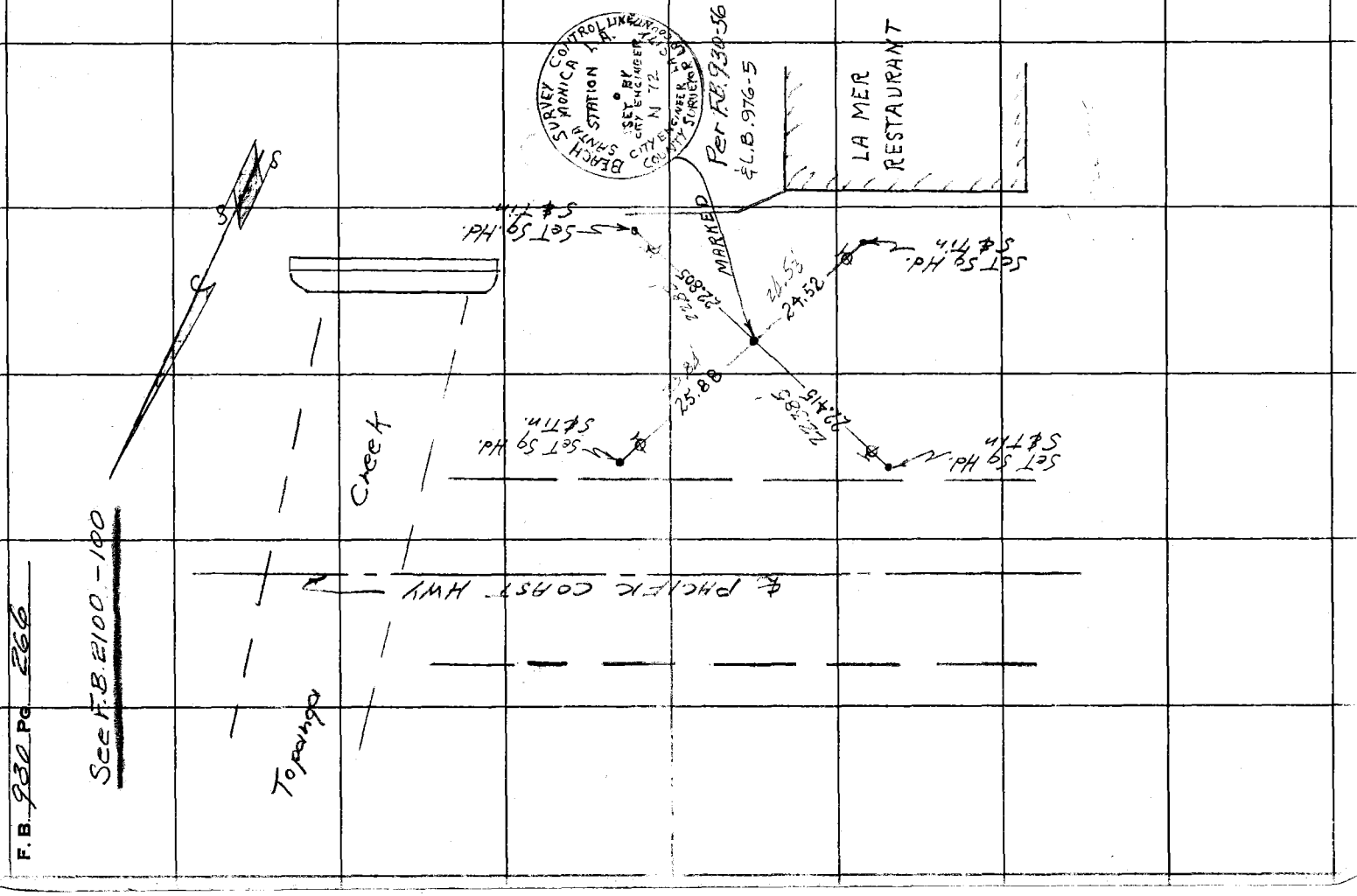
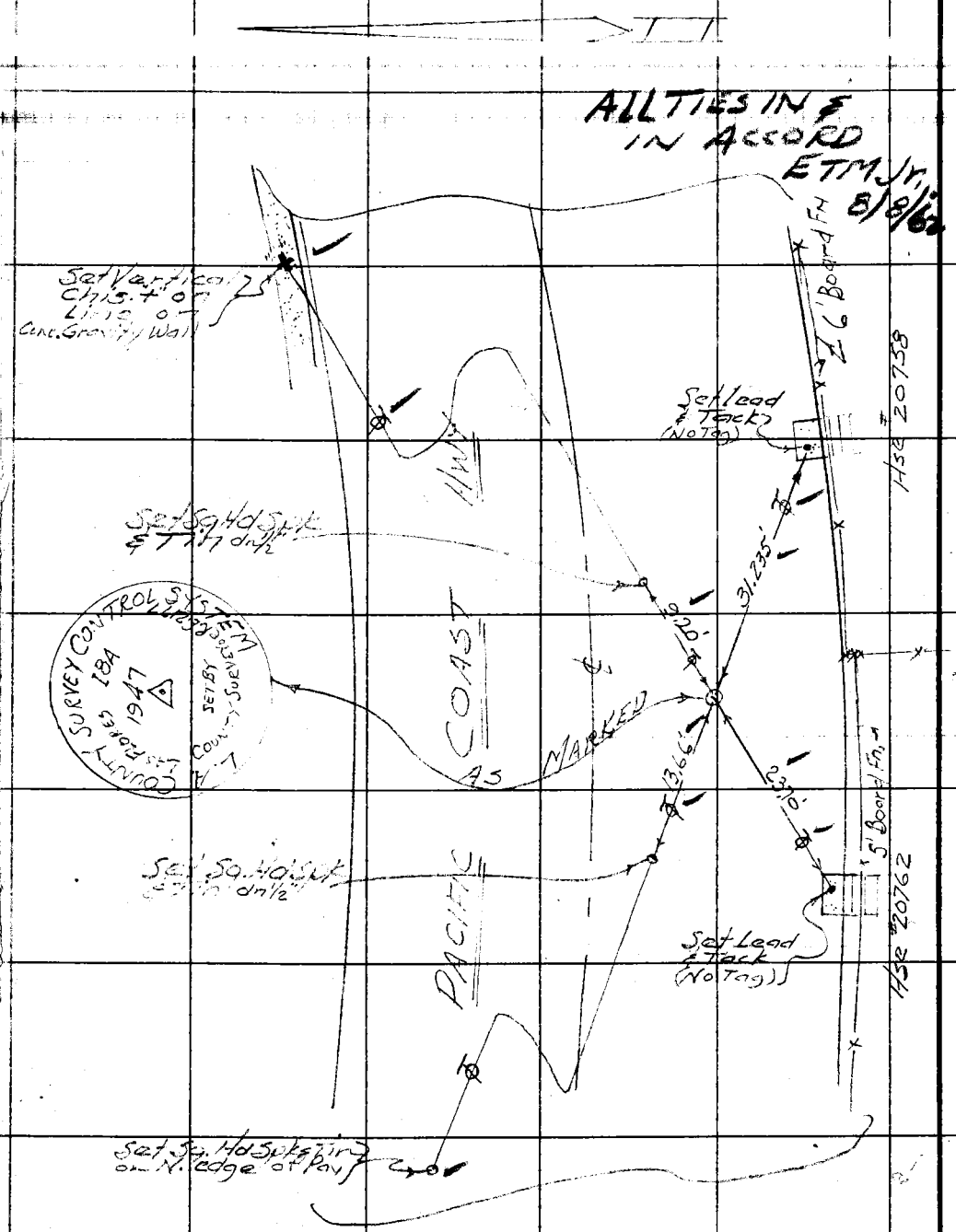


F. B. 930 Pg. 268



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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by Mankey Jr.
Checked	Notes E.T.M. Jr. Date 6-7-62
Date	Indexed

F. B. 930 PG. 267

ADDITIONAL PRECONSTRUCTION

TIES TO PERPETUATE

LAS FLORES 18A

IN

PACIFIC COAST HWY

RESET AUGUST 8, 1962 E.T.M. Jr.

Mankey Jr.
McCall
Swann
Manley

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76F309S CE #247 3-57