Notes Ck'd by	Survey of	F. B. 943 Pg.
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

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Microfilmed June 85

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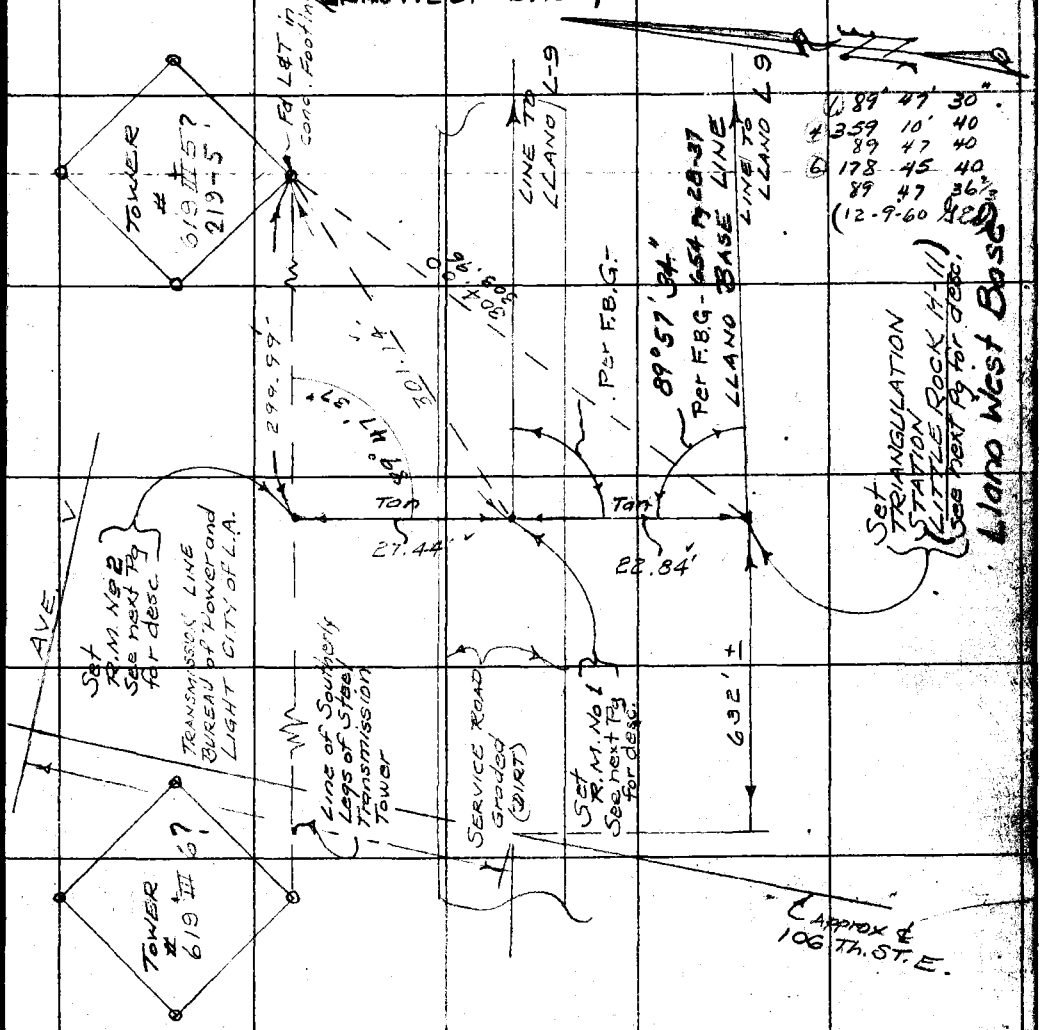
F. B. 943 Pg. 5

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LITTLE ROCK H-#14
(LLANO WEST BASE)



299.99 level @ T = 82° = 299.99
301.14 level @ T = 82° = 301.14
304.00 level @ T = 84° = 304.00
304.03 " @ T. 48° = 303.96

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76F309S 247 2-51

F. B. 943 PG. 6

14

DESCRIPTION

LITTLE ROCK H-11

This station is in the County of Los Angeles, in the Antelope Valley, 2 1/2 miles east of the Little Rock School and 1/2 mile South of Pearblossom highway, 213' ± South of Ave. V & 632' ± East of 106th St. E. 50' ± South of the Southerly Line of Steel Transmission Tower's legs and 304'± W. of the most Southerly leg of tower #219 III 5 measured direct, on prominent rise. This is a drive station and the most Westerly end of the Llano base line.

STATION MARK: Set a standard 4 inch brass tablet in concrete pillar 9 inches in diameter and extending 4 inches above flush. The tablet is lettered "L.A. COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION, LITTLE ROCK H-11, 1954, Set by COUNTY SURVEYOR R.E. 63".

SUB SURFACE MARK: None

REFERENCE MARK No 1: Set a standard 4 inch brass tablet in concrete pillar approximately 14 inches by 14 inches square and down 14 inches below the surface of dirt road. Tablet is lettered "L.A. COUNTY SURVEY CONTROL SYSTEM, Reference Mark, LITTLE ROCK H-11, R.M. No 1, 1954, Set by COUNTY SURVEYOR R.E. 63."

REFERENCE MARK No 2: Set a standard 4 inch brass tablet in square topped concrete pillar, [illegible] SURVEY CONTROL SYSTEM, REFERENCE MARK, LITTLE ROCK H-11, R.M. No 2, 1954, Set by COUNTY SURVEYOR R.E. 63"

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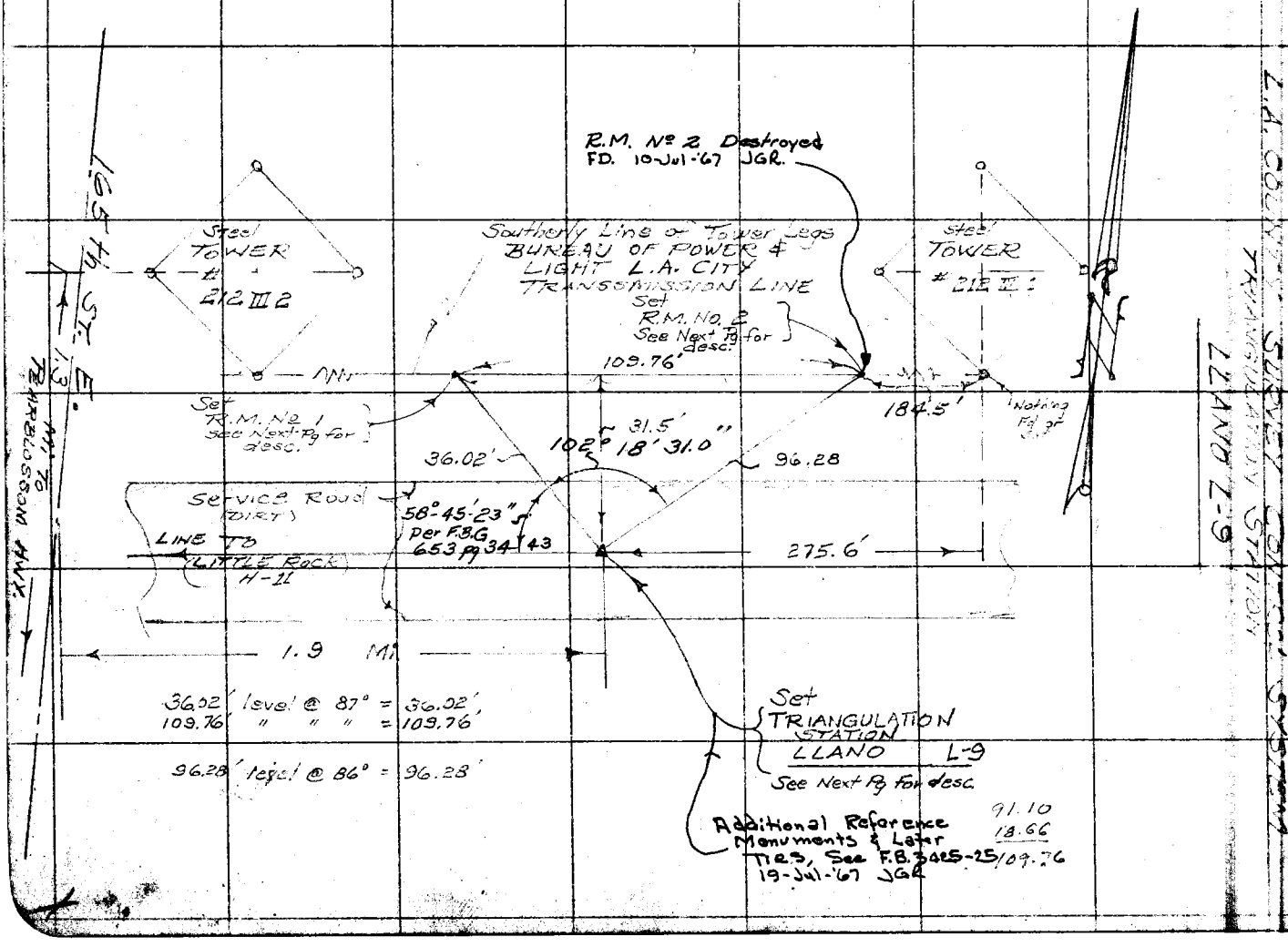

F. B. 943 PG. 8

DESCRIPTION
TRIANGULATION STATION
LLANO L-9

This station is in Los Angeles County, in the Antelope Valley, 1.4 mi north of and 1.9 mi east of the Post office at LLANO (South west corner of intersection of 165th St. E. & PEARBLOSSOM HWY), in the center of the dirt Service road for the BUREAU of POWER & Light CITY of L.A., 315' ±. South of the southerly Leg Line of Transmission Towers and 275.6' ± W. of the most Southerly leg of tower # 212 E.1 and buried 14 inches below Surface of road.

STATION MARK: Set a standard 4 inch red brass tablet in concrete down 14 below Surface and lettered "L.A. COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION, LLANO L-9, 1954, Set by COUNTY SURVEYOR R.E. 63."

SUBSURFACE MARK: None.

REFERENCE MARK No 1: Set a standard 4 inch red brass tablet in concrete pillar 12 inches by 12 inches square and extending 5 inches above flush and lettered "L.A. COUNTY SURVEY CONTROL SYSTEM, REFERENCE MARK, LLANO L-9, R.M. No 1, 1954, COUNTY SURVEYOR R.E. 63".

REFERENCE MARK No 2: Set a standard 4 inch red brass tablet in a concrete Pillar 12 inches by 12 inches square and extending 5 [illegible] lettered [illegible] MARK, LLANO L-9, R.M. No 2, 1954, Set by COUNTY SURVEYOR R.E. 63."

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6.1 ht.
R.M. 1 = 4.4
1.7
0.4
R.M. 2 = 5.7
Leg = 7.6
1.5 lower

76F309S 247 2-51

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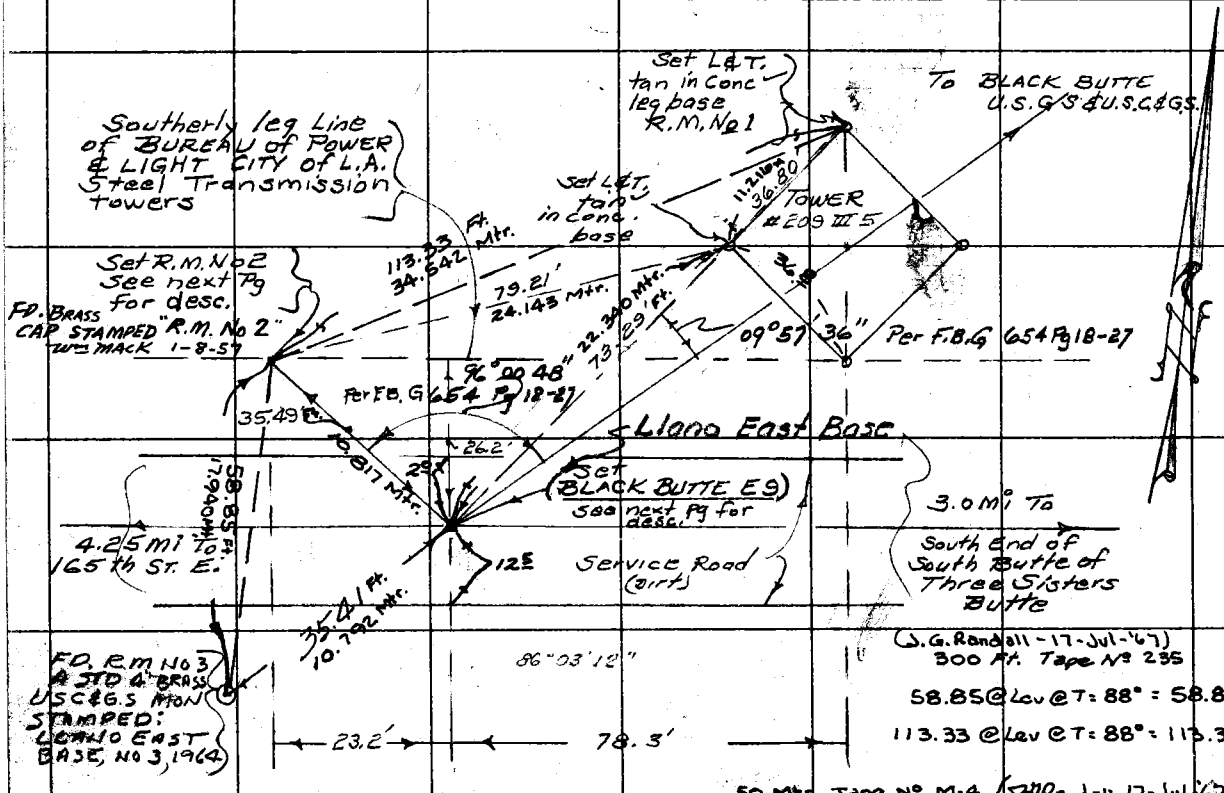
Survey of GEODETIC CONTROL
W.O. 0301.00 Tape No. 116 St'd. 84 °F
Surveyed by H.R.S. H.R. STOCK
Notes H.R.S. Date 9-1-54
Indexed R. C. Johnson

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLACK BUTTE E-9
(Llano East Base)



(J.G. Randall - 17-Jul-'67)
300 Ft. Tape No 235

58.85 @ Lev @ T = 88° = 58.85

113.33 @ Lev @ T = 88° = 113.33

50 Mtr. Tape No M-4 (J.G. Randall 17-Jul-'67)

22.340 @ Lev @ T = 88° = 22.340 = 73.29 Ft.

11.216 @ Lev @ T = 88° = 11.216 = 36.80 "

24.143 @ Lev @ T = 88° = 24.143 = 79.21 "

10.817 @ Lev @ T = 88° = 10.817 = 35.49 "

17.940 @ Lev @ T = 88° = 17.940 = 58.85 "

10.792 @ Lev @ T = 88 = 10.792 = 35.407 "

35.49' level @ 88° = 35.49'

73.29' " " " = 73.29'

79.21' " " " = 79.21'

36.80' " " " = 36.80'

F.B. 943 Pg. 9

F. B. 943 Pg. 10

DESCRIPTION
TRIANGULATION STATION

~~BLACK BUTTE E9~~

LOVEJOY BUTTE N-12

This station is in Los Angeles County, in the Antelope valley, 3.0 mi. West of the most Southerly tip of the most Southerly of the three Sister Buttes, and in the Center of (dirt) service road of the BUREAU of POWER & LIGHTS (City of L.A.'s) Transmission Tower Line III, 26.2' ± South of the southerly leg of towers line & 78.3' ± W. of the most Southerly Leg of tower # 209 III 5. To Reach this station from the LLANO U.S. POST OFFICE at PEARBLOSSOM Hwy and 165th St. E. go north 1.4 mi on 165th St. E. To Service Road turn right (E) and go 4.25 mi To station. This is a drive station and the most Easterly End of the LLANO BASE LINE.

STATION MARK: Set a standard 4 inch brass Tablet in Concrete down 14 inches below road surface and lettered "L.A. COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION, BLACK BUTTE E9, 1954, set by COUNTY SURVEYOR R.E. 63."

SUBSURFACE MARK: None.

REFERENCE MARK No 1: Set a Lead & brass tack in west side of the most northerly concrete footing of Tower #209 III 5

REFERENCE MARK No 2: Set a standard 4 inch brass Tablet in a concrete pillar 12 inches square and extending 3 inches above flush and Lettered "L.A. COUNTY SURVEY [illegible] 1954, set by COUNTY SURVEYOR R.E. 63".

FD. BRASS CAP IN CONC., STAMPED "R.M. No. 2" MARKED AS SHOWN

W.W. MACK 1-8-57

L.A. COUNTY SURVEY CONTROL SYSTEM
REFERENCE MARK
BLACK BUTTE E9
DISTANCE
R.M. No. 2
1954
SET BY COUNTY SURVEYOR R.E. 63
FOR INFORMATION SEE COUNTY SURVEYOR

N

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5.9 H.T
5.2 #2
5.0 L&T
4.9 #1

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Date	Indexed E. C. Johnson 5-16-55

F. B. 9-12 PG. 11

JN 0301.00

LOCATION OF P.O.T ON TAPED LINE

FOR ANTELOPE VALLEY BASE LINE

GEODETIC CONTROL

SEE FB 3425-5 TO 32 FOR LATER SURVEY.

7-14-67

J.G.R.

9-2-54
Van Deren
Richards
Bazen
Myers
McCullough
McKnight
Nunez
Steakley

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76F3098 247 4-53

F.B. 943 PG. 12

To bot pg 235

Tower #215-1

27.0

P.O.T No 4 Set 3/4" I.P. Conc Ctr & Cap Wire Flush

Tower #215-5

30.0

P.O.T No 3 Set 3/4" I.P. Conc Ctr & Cap Wire Flush

VOID

SEE FB 3425-6

Tower #216-3

P.O.T No 2 Set 3/4'

Tower #217-4

29.7

P.O.T No 1 Set 3/4 I.P. Conc Ctr & Cap Wire Flush

Tapped line

BASE line

Littlerock H-11-RM #2
3" above ground per
FB ~~1858-203-204~~
Br Cap Mon 943-546

Littlerock H-11-RM #1
Br Cap Mon, 14" up in
Center of dirt Road
=0+00 To the East
per FB ~~1858-203-204~~
943-546

Littlerock H-11
Br Cap Mon 3" above
ground per
FB ~~1858-203-204~~
943-546

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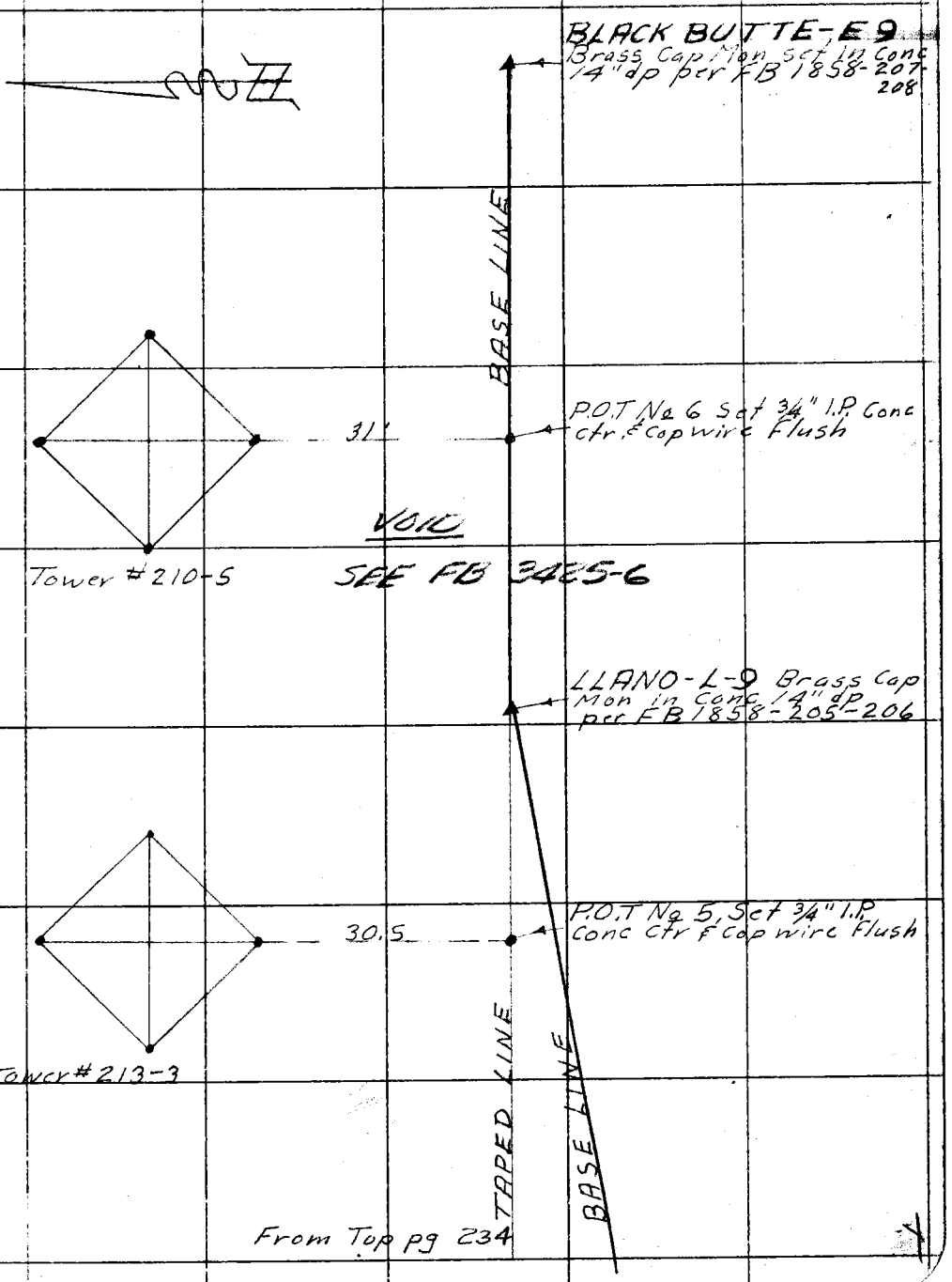

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76F3098 247 4-53

F. B. 943 PG. 14

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F. B. 943 PG. 15

JN 0301.00
LOCATION OF CHAINING POINTS
ON TAPED LINE
FOR ANTELOPE VALLEY BASE LINE
GEODETIC CONTROL

9-3-54

Van Deren
Richards
Myers
Bazen
McKnight
McCullough
Nunez
Steakley

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76F3095 247 4-53

F.B. 943 PG. 16

To bot pg. ~~239~~ 17

Tower #217-1

TIES PAGE 73

Chaining Point No 3
Set 3/4" I.P. Conc ctr & Cap wire Flush

56.6

9.78
9.8

15.46
15.5

Set 3/4 I.P. Conc ctr & Cap wire Flush

Tan

90°

Tan

Set 3/4" I.P. conc ctr & Cap wire Flush

Reference Monuments
F.B. 3425-11
19-Jul-67 JGR

Tower #218-1

296

157-LINE

TIES PAGE 72

Chaining Point No 2
Set 3/4" I.P. conc ctr & Cap wire Flush

6.82

Flush

Tan

Tan

Set 3/4" I.P. conc ctr & Cap wire Flush

Reference Monuments
F.B. 3425-9
19-Jul-67 JGR

Tower #218-6

29'

188.6 TAPED

BASE LINE

TIES PAGE 72

Chaining Point No 1
Set 3/4" I.P. Conc ctr & Cap wire Flush

Set 3/4" I.P. conc ctr & Cap wire Flush

15.5
Tan

90°

Tan

Set 3/4" I.P. Conc ctr & Cap wire Flush

100 Mtrs.

CHAIN POINT 1 AUX 1
F.B. 3425-7
19-Jul-67 JGR

LITTLE ROCK-H-14
RM No 2 per FB 1858
~~203-204~~
943-516

LITTLE ROCK H-14
RM No 1 Per FB
~~1858-203-204~~
943-516

LITTLE ROCK
H-14 per FB
~~1858-203-204~~
943-516

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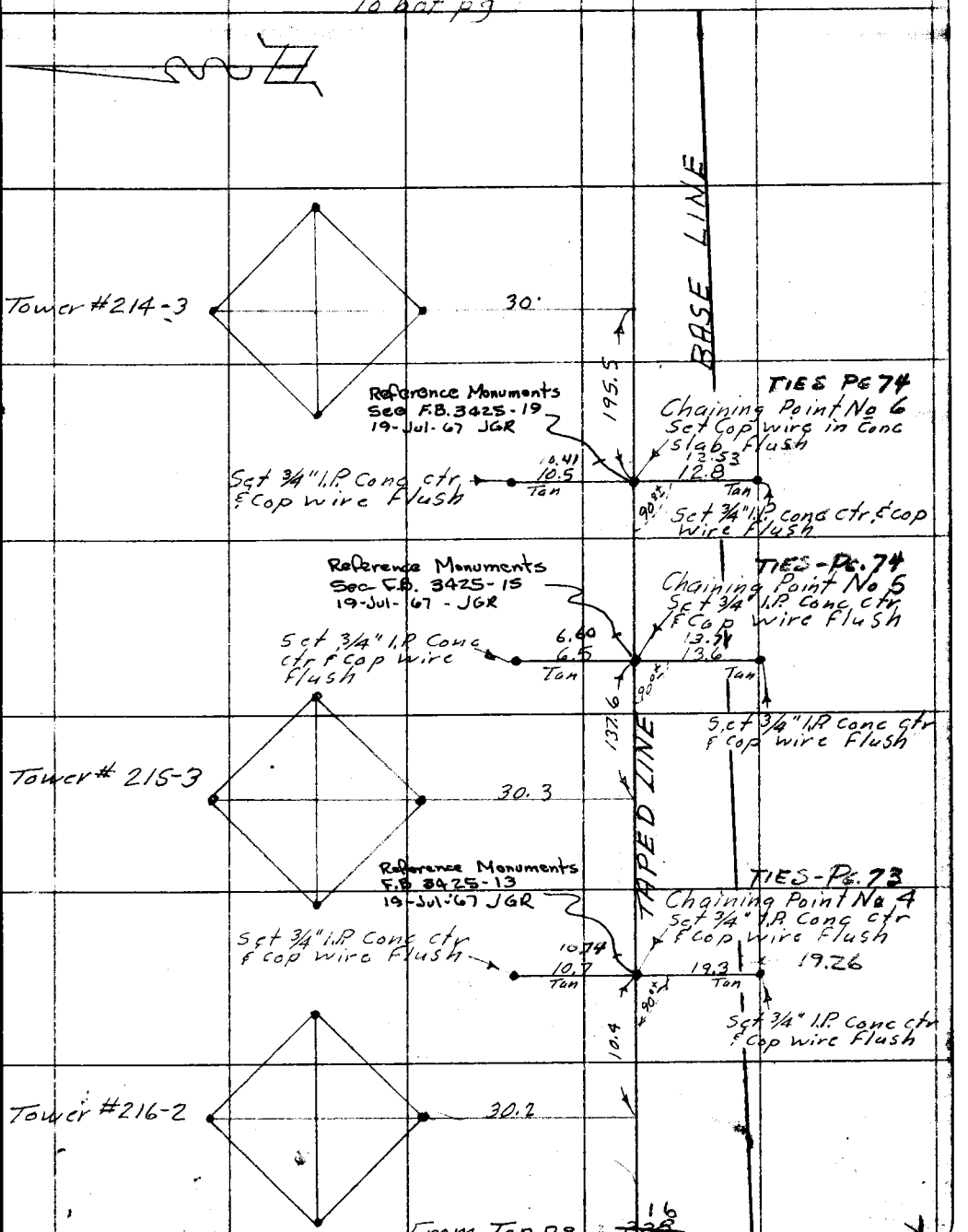
F. B. 943 PG. 17

To bot pg 18



From Top pg ~~228~~ 16

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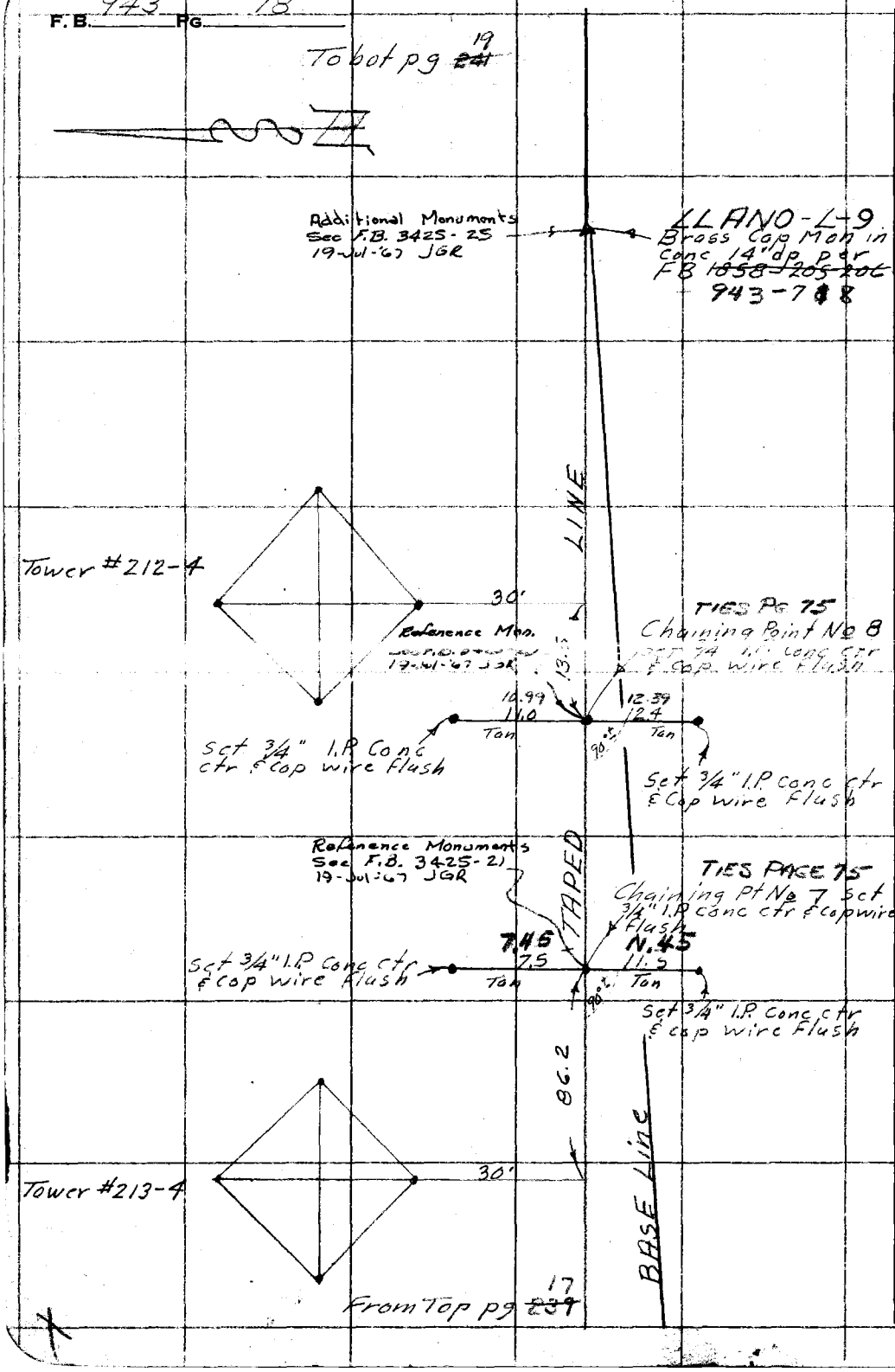
76F3095 247 4-53

F.B. 943 PG. 18

To bot pg ~~241~~ 19



From Top pg ~~239~~ 17

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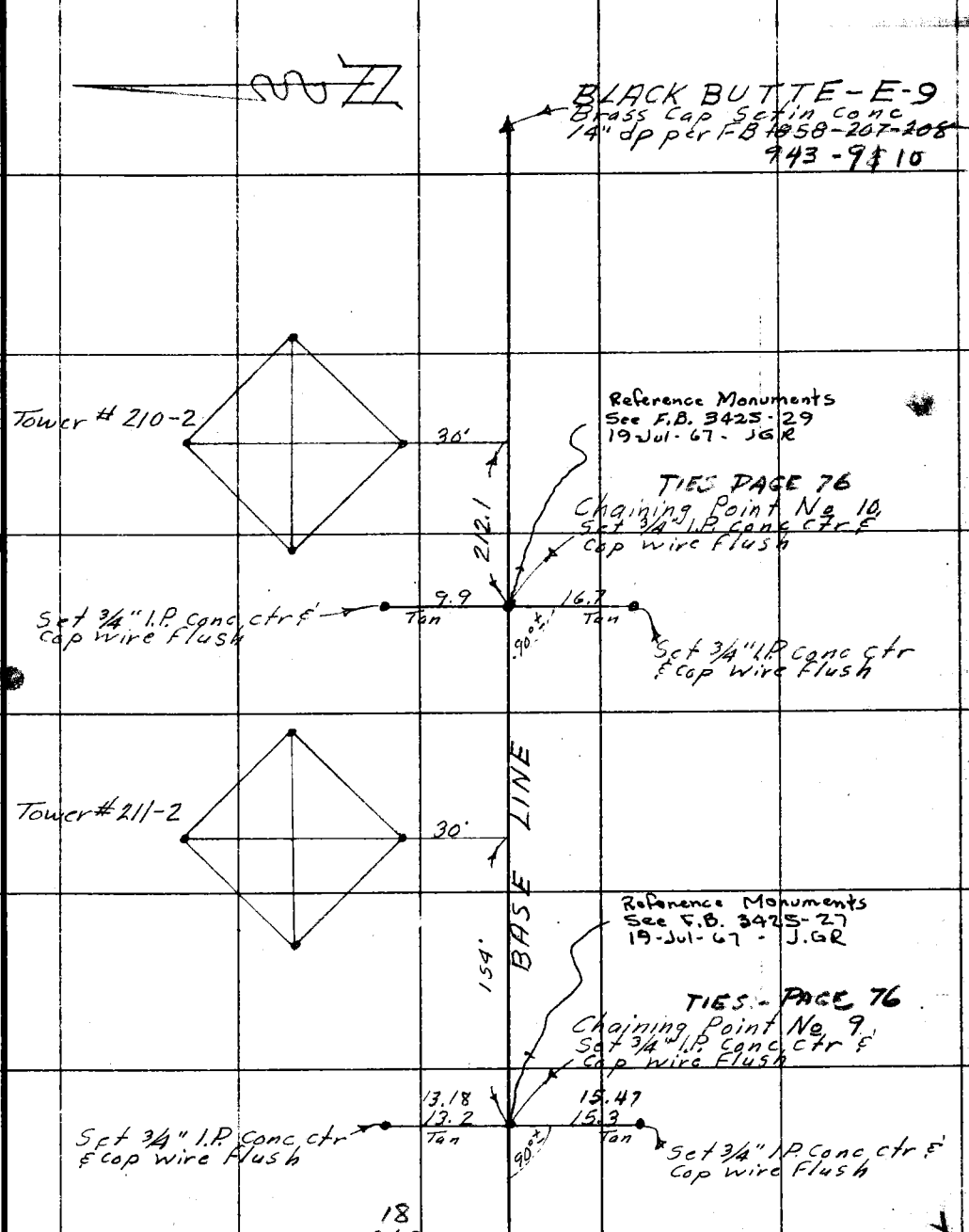

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F. B. 943 PG. 20

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Checked	Notes Uharriet Date 8-12-55
Date	Indexed A. C. Johnson AUG 19 55

F. B. 949 Pg. 21

GEODETIC TIES

R 8 & 9 W
SECS. 7 & 12
T 5 N

Black Butte E 9 & Llano L 9

TYING
RANGE LINE

BETWEEN SEC. 7, T. 5 N. R. 8 W & SEC. 12, T. 5 N. R. 9 W.

TO LLANO BASE
BETWEEN "LLANO L-9" AND "BLACK BUTTE E-9"

Ref: F.B. 1262

Uharriet
Lind
Goodwin
Harver
Voge

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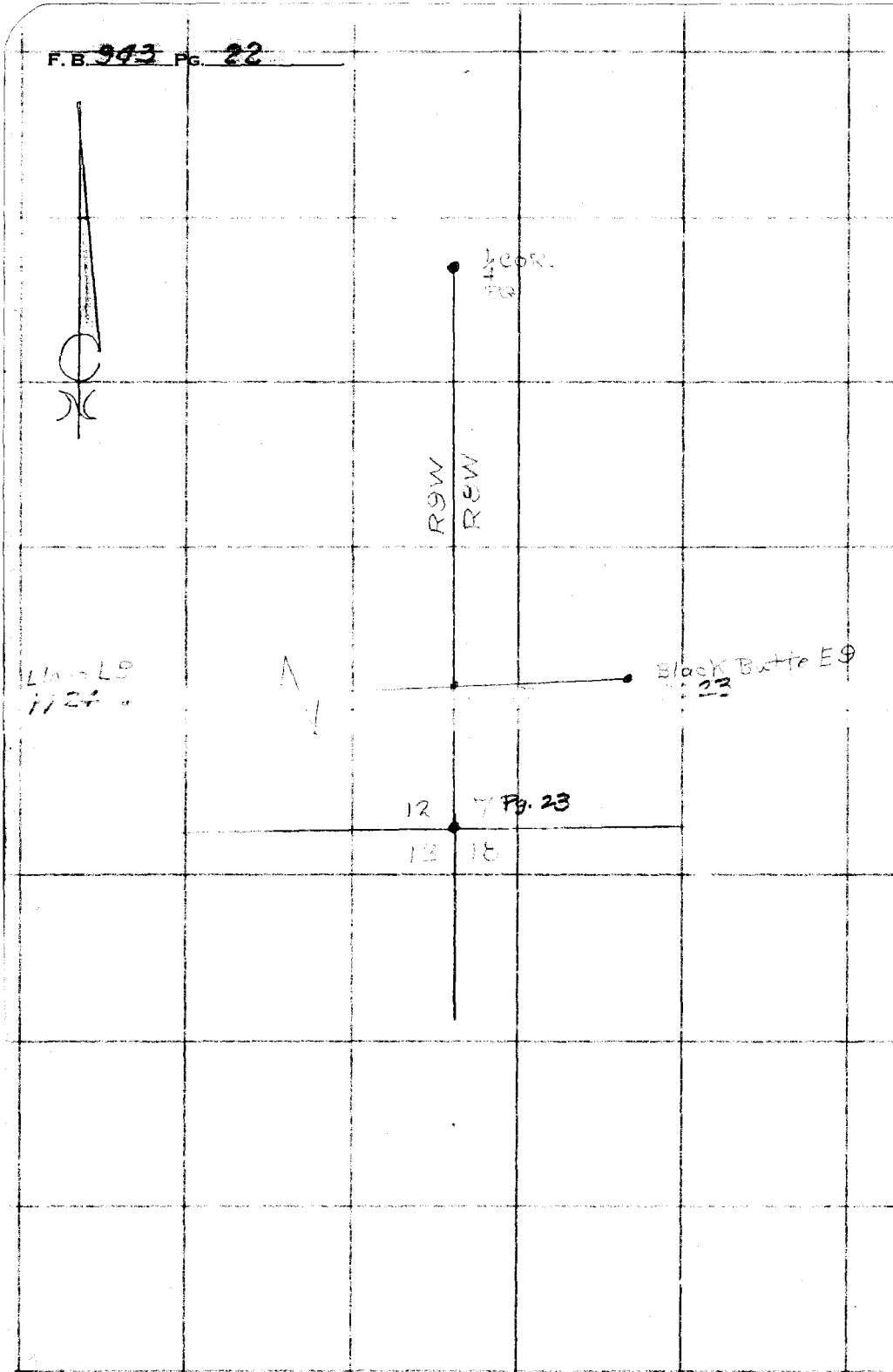
F. B. 943 PG. 22



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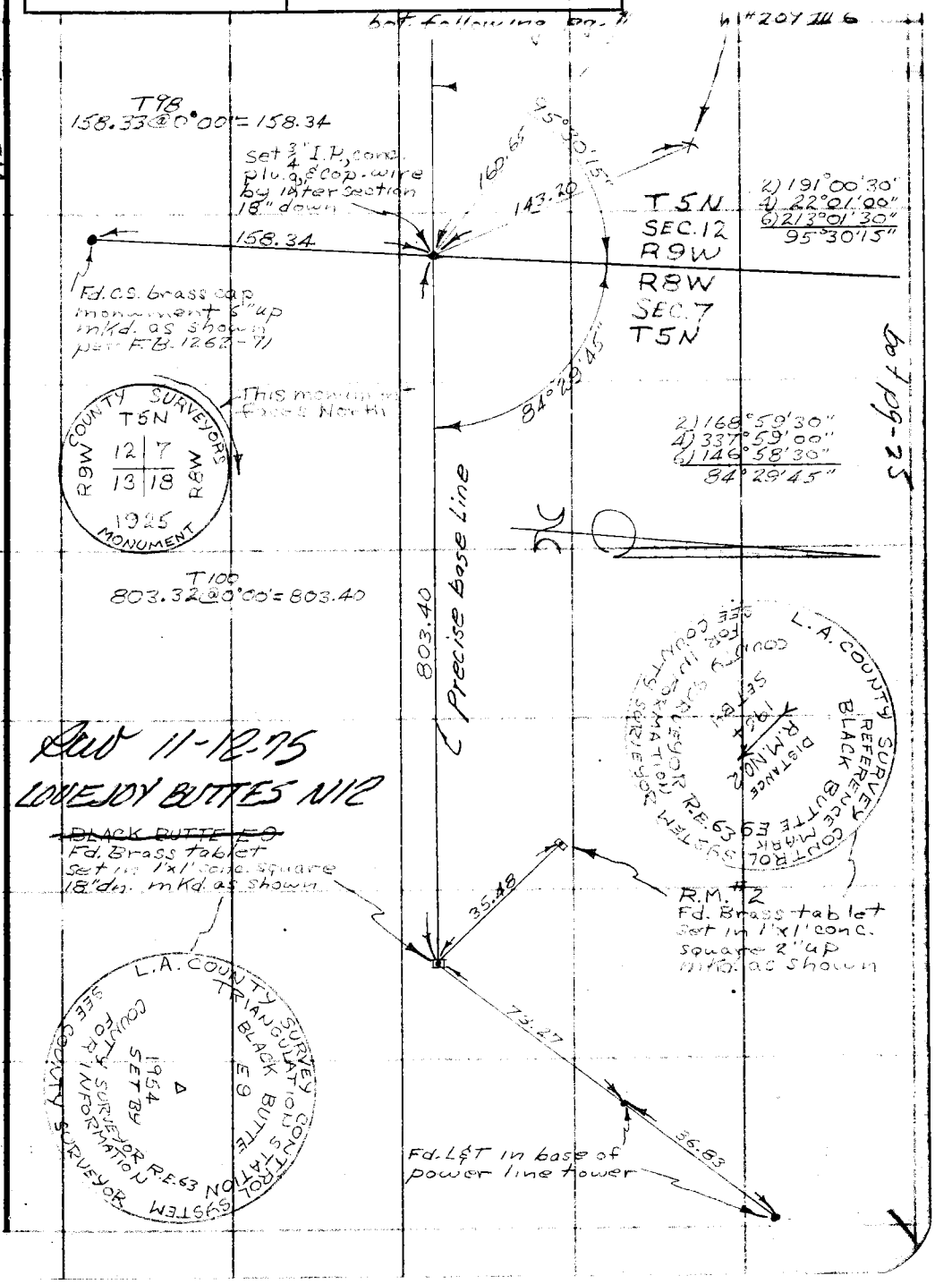
Checked	Notes Uharriet Date 8-12-55
Date	Indexed A. C. Johnson

F. B. [illegible] Pg. 29



WS 67 - 9

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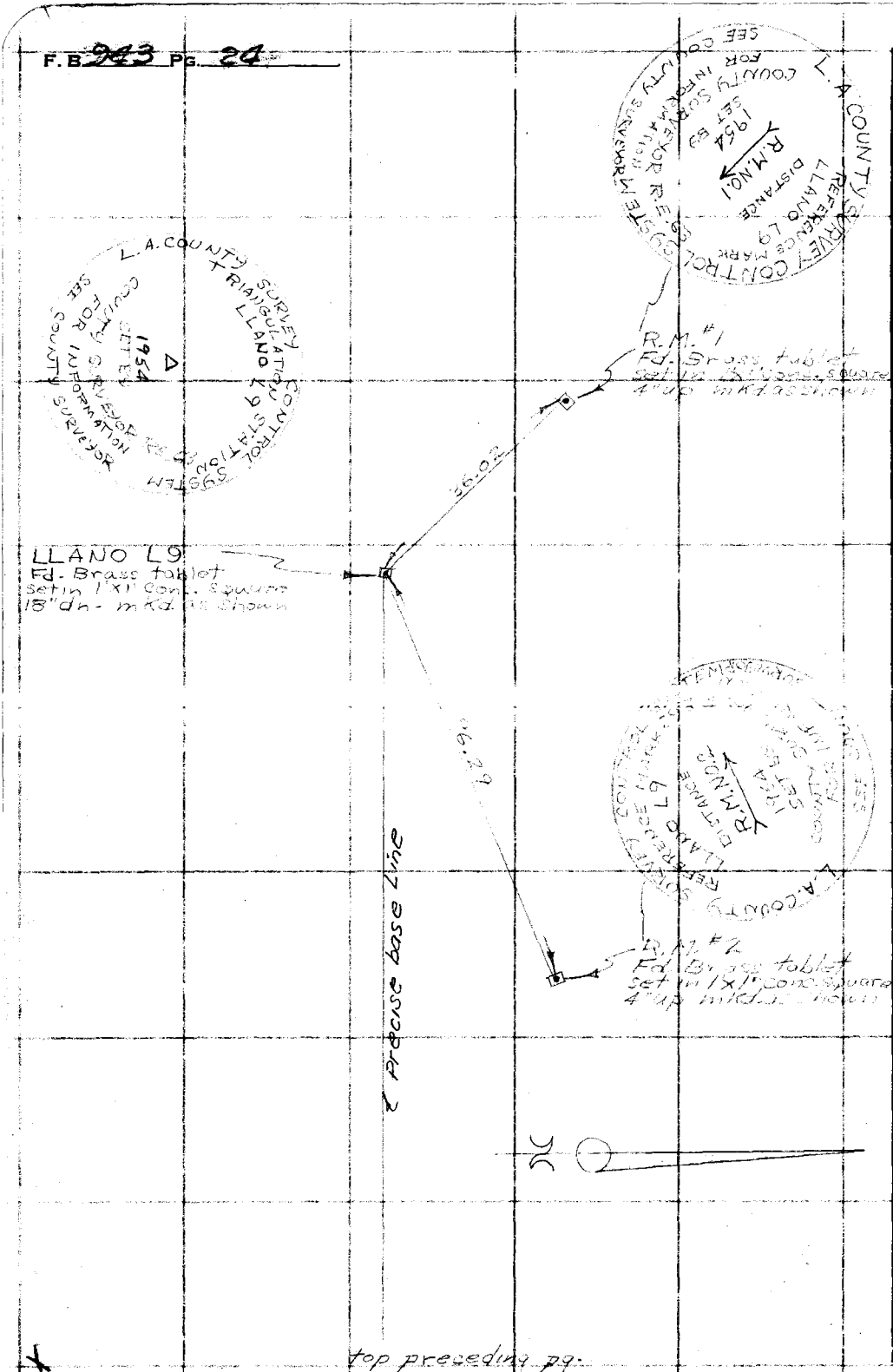

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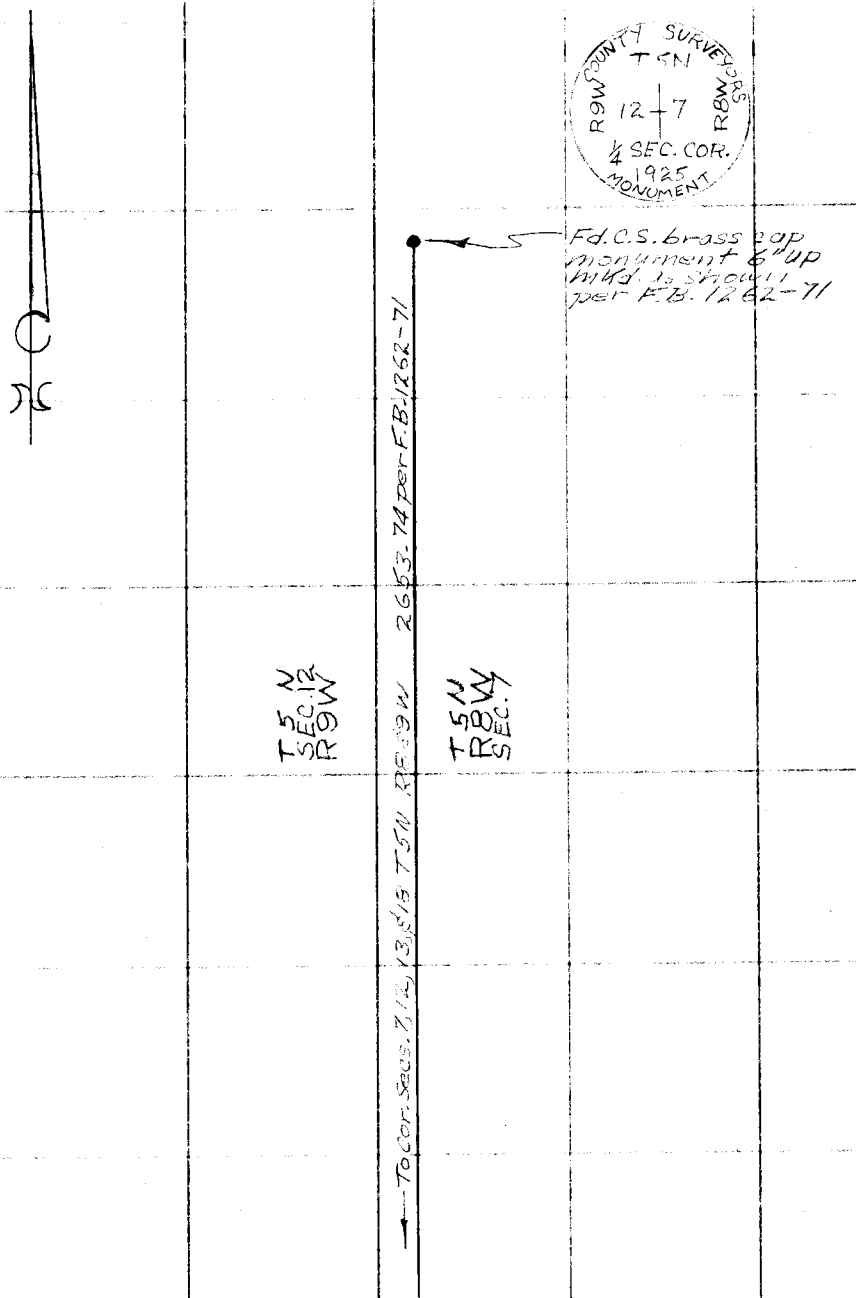
WS 67



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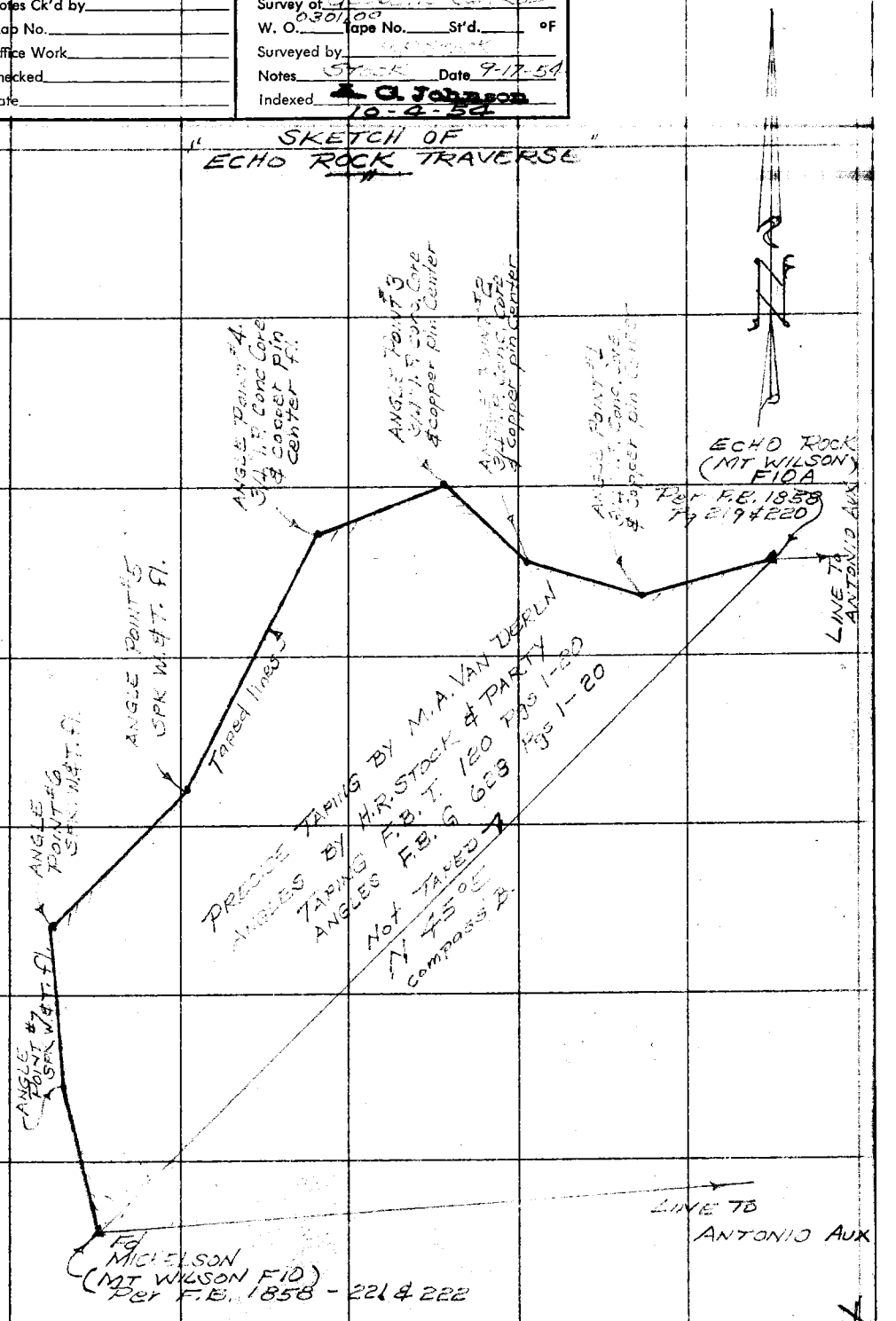
Map No.	W. O. 0301.00 Tape No. Sr'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes STOCK Date 9-17-54
Date	Indexed A. C. Johnson 10-4-54

F. B. 943 Pg. 27

"SKETCH OF ECHO ROCK TRAVERSE"



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3085 247 4-53

F. B. 743 PG. 28

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943 29

F. B. ~~1058~~ PG. ~~201~~

Notes Ck'd by	Survey of
Map No.	W. O. 0301.00 Tape No. 116 St'd. 84 °F
Office Work	Surveyed by H. R. Stock
Checked	Notes Stock Date
Date	Indexed A. C. Johnson 11-4-55

GEODETIC CONTROL
J.N. 0301.00
SAN GABRIEL MOUNTAINS TRIANGULATION

INDEX

STATION	LOCALITY		PAGE
LITTLE ROCK H-~~N~~ 14	ANTELOPE VALLEY	~~31~~ 5	~~203~~ ✓
LLANO L-9	"	33	~~205~~ ✓
BLACK BUTTE E-9	"	~~35~~	~~207~~ ✓ 9
TOM U.S.C & G.S.	"	36	~~208~~
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CIMA MESA G10	PLEASANT VIEW RIDGE	41	~~213~~ ✓
MT BADEN POWELL & AUX	MT BADEN POWELL	43	~~215~~ ✓
MT WATERMAN	MT WATERMAN'S EAST RIDGE	45	~~217~~ ✓
ECHO ROCK	MT WILSON	47	~~219~~ ✓
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EHCO ROCK TRAVERSE	MT WILSON	27	~~243~~ ✓
COW	GLENDORA RIDGE	61	~~245~~ ✓

6

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76F3098 247 10M 1-49

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F. B. 943 PG. 30

943 35
~~1958~~ ~~24~~

Notes Ck'd by	Survey of Geodetic Control
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Office Work	Surveyed by H. R. Stock
Checked	Notes Stock Date 4-28-55
Date	Indexed C. Johnson

F. B. Pg.

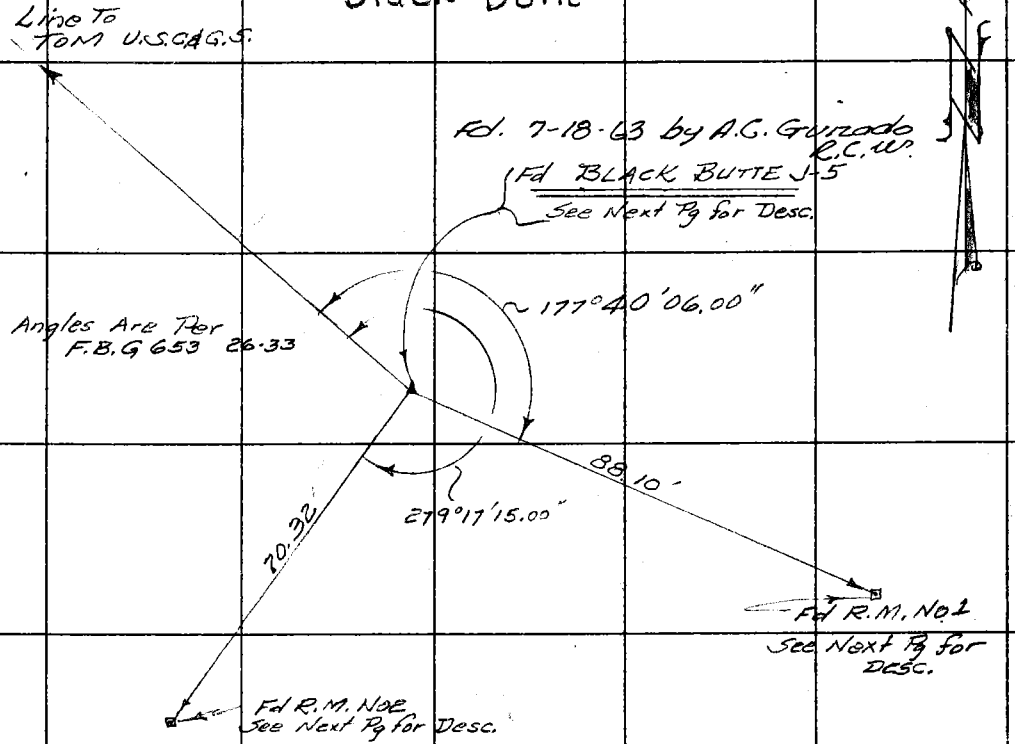
L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

(BLACK BUTTE J-5)

U.S.G.S. & U.S.C.&G.S.

"Black Butte"



88.12 level T=58° = 88.10'
70.33 " " = 70.32'

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76F309S 247 2-51

943 ~~1958~~ 36 ~~242~~

F. B. _____ PG. _____

DESCRIPTIONS
BLACK BUTTE

This Triangulation Station is in Los Angeles County, in the Antelope Valley, on the highest point (summit) of an isolated Butte known as Black Butte.

To reach this station from the intersection of Palmdale Victorville Rd (6 mi. East of Llano) & Cajon Lancaster Rd. go West 1.75 mi to Black Butte Ranch Rd turn Right (N.E) and drive 2.15 N.Ely. to Fork stay right & continue NEly 1.6 mi to Power Line crossing, Continue NEly 1.1 mi more to Fork, take left fork & go N. 0.9 mi to Pair of ruts to west go 0.3 mi to toe climb ridge (30 min. climb) to Summit & Station.

STATION MARK: Found A 4 inch Bronze U.S.G.S. Bench Mark disk Stamped "Black Butte, & A U.S.C&G.S. ." the Small triangle & U.S.C&G.S. have been added, triangle is 0.06' N.N.W. of +, in Center of [illegible] and was left as Such. Mark is cemented between 2 large reddish block Boulders - also Station has Large Ring of Stones Piled around it for finder.

REFERENCE MARK No 1: Found a Standard U.S.G.S. 4 inch brass tablet cemented To boulder & marked "BLACK BUTTE, 1934, and R.M. No 1".

REFERENCE MARK No 2: Found Same as No 1 only R.M. No 2.

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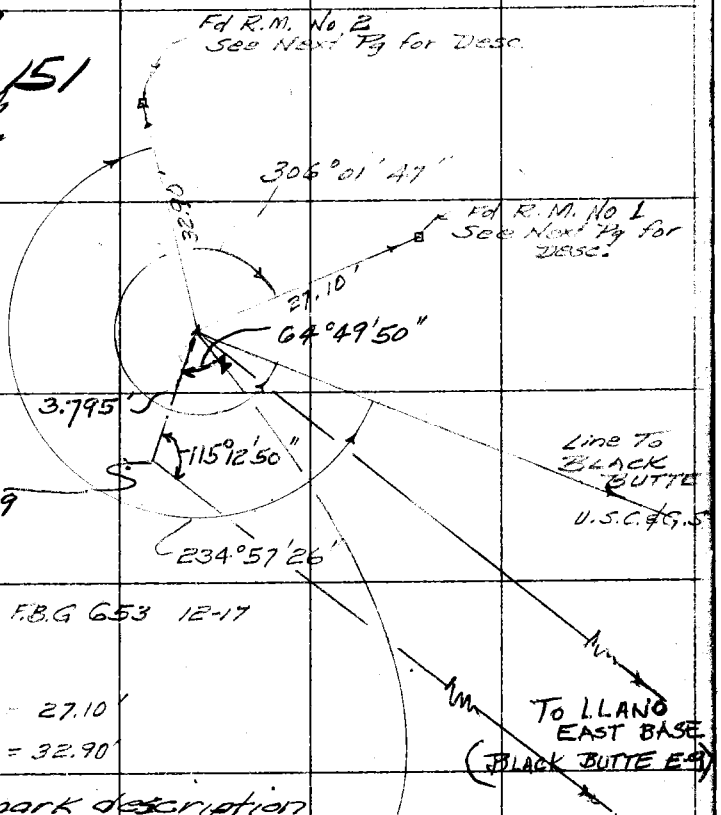
Map No.	W.O. 0301.00 Tape No. [illegible] St'd. [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes H.R.S. Date 4-20-55
Date	Indexed A. C. Johnson

F.B. 943 Pg. 37

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION
TOM U.S.C.&G.S.
~~(LOVE JOY SPRINGS A-9)~~
ALPINE BUTTE M-15

Reset
10-1-64
See Pg. 151
L.C.L.



H.R.S.
ALPINE
U.S.G.S. R.S.1929
3-16-56

Angles are Per F.B.G 653 12-17

27.11 level + 56° = 27.10'
32.91 " " = 32.90'

See new sta. mark description
"Tom" Fd. Reset By Oreier 7-18-63
RCW

Fd TOM U.S.C&G.S.
See Next Pg for Desc.

Reset 1961 by G.E.D. — Set a Std L.A.Co. Triang
4" brass
cap.

1. 64°50'00"	1. 115°12'40"
2. 129°39'40"	2 230°25'40"
= 64°49'50"	115°12'50"

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76F3088 247 4-53

F.B. 943 Pg. 38

DESCRIPTION

TOM

THIS STATION IS IN LOS ANGELES COUNTY, IN THE ANTELOPE VALLEY, ON THE HIGHEST PART OF WEST ALPINE BUTTE ABOUT 15 MI. S.E. of LANCASTER, and 10 MI N.E. of LITTLEROCK.

TO REACH THIS STATION FROM AVE. N & 90TH ST. E. GO EAST ON N (ADIRI ROAD) 2 MI TO WESH & POWER LINE, THEN CONTINUE E. 1.25 MI to BEND IN DIRT ROAD, THEN SELY 0.95 MI to FORK THEN TAKE LEFT FORK 0.15 MI to End of ROAD AT TOE of ROCK OUTCROP on TOP of SANDY RIDGE. FROM HERE ITS ABOUT A 20 MINUTE CLIMB TO SUMMIT & STATION.

Reset 1961 by G. E. Dreier

STATION MARK: Found A standard U.S.C.&G.S. (1 inch brass MARK) cemented To Large flat Rock & Stamped "1940" the word [illegible] with a Knife or some such tool.

REFERENCE MARK NO 1: FOUND a standard 2 inch brass Ref. Tablet Cemented To a Large boulder & STAMPED "TOM 1940, No 1."

REFERENCE MARK NO 2: FOUND SAME AS No 1 only Stamped No 2.

Station Mark: Standard 4" Brass Mark
L. A. County Triangulation Monument
Stamped "Lovejoy Springs A-9" "Tom"
"Set 1961" New 7½' Quad. designation
ALPINE BUTTES M-15

R. C. Wilson
7-18-63

The stamping on this mark is NOT in conformity with our present standards. This station is ALPINE BUTTE M-15

R.J.M.
1/16/67

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943 41 ✓

F. B. 1858 PG. 313

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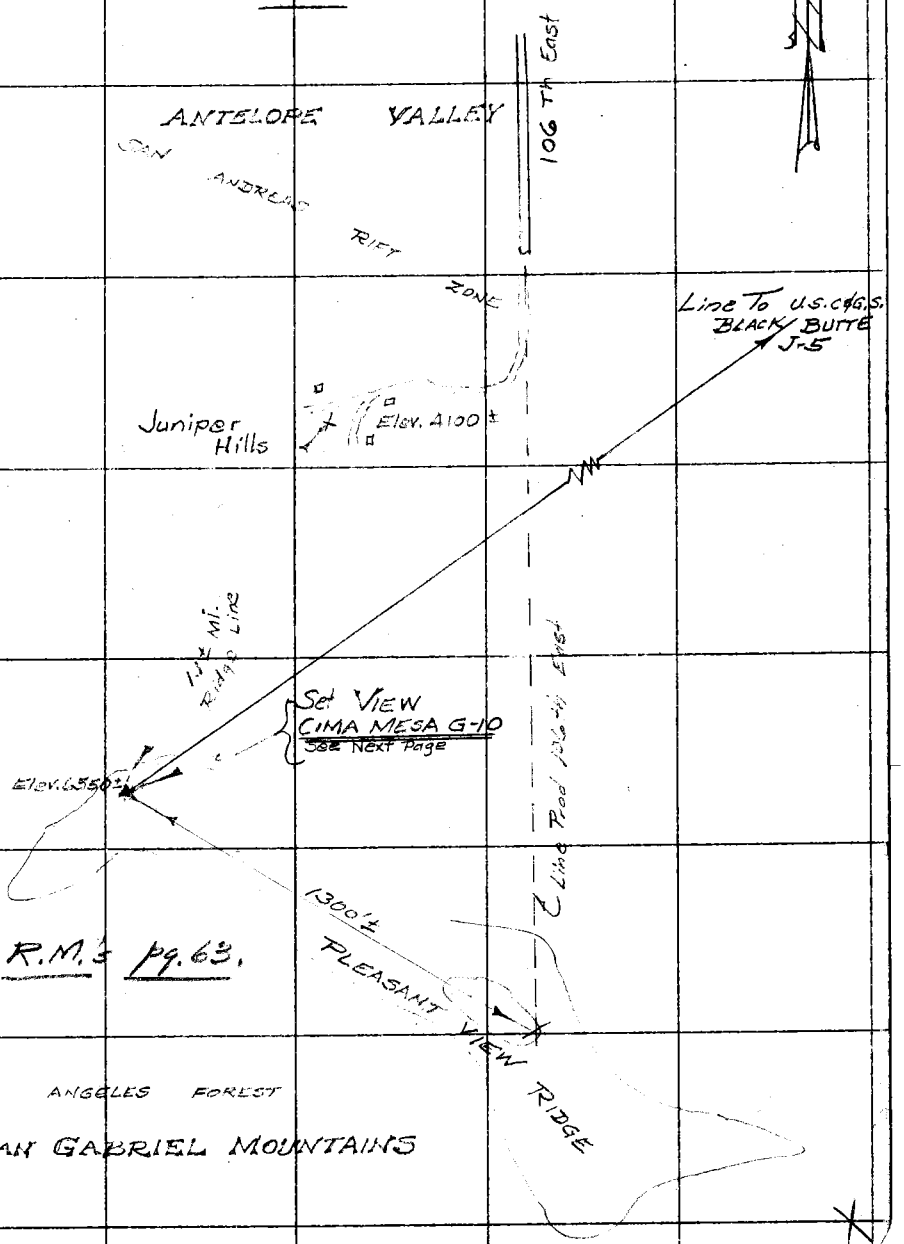
Date	Indexed A. C. Johnson

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

CIMA MESA G-10

VIEW



R.M.'s pg. 63.

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 4-53

F. B. ~~1858~~ 943 Pg. ~~214~~ 42

DESCRIPTIONS
VIEW

This station is in Los Angeles County, in the San Gabriel Mountains, on pleasant View Ridge - 1300' Northwesterly from where the Line produced Southerly of 106th East Crosses the main ridge, the ridge is broad and almost level for 0.3 mi, the station site is at the North west side of this flat Ridge, where the Ridge breaks over Sharply to West and another sharp ridge Joins the main from the Northeast, in a large boulder amongst a large group of Smooth gray granite ones. Station has a wooden Tripod or signal Stand Cemented in place over it.

To Reach this station from Pallett creek Road & GRIFFIN Road in JUNIPER HILLS Area; drive South on GRIFFIN Road 0.25 Mi to Fork stay straight ahead on dirt Road 0.2 mi to Right turn in road 0.1 mi West, then left & South to end of Road, Park & [illegible] Ridge [illegible] Ridge & station at intersection of ridges.

STATION MARK: Set A standard 4" brass Tablet Cemented to a Large boulder, Lettered "L.A. COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION, GIMA MESA G-10, 1954, Set by, COUNTY SURVEYOR R.E. 63.

REFERENCE MARK No 1: Set A standard 4" brass Tablet Cemented to a large boulder & Lettered "L.A. Co. SURV. CONT. SYS., REF. MARK, GIMA MESA G-10, 1954, R.M. No 1, SET BY COUNTY SURVEYOR R.E. 63".

REFERENCE MARK No 2: Set Same as for No 1 only Stamped R.M. No 2.

FOR SKETCH & DIST. TO R.M.'s
See pg. 63

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726 LOS ANGELES COUNTY
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Checked	Notes STOCK Date 6-20-55
Date	Indexed A. C. Johnson

F. B. 943 Pg. 43

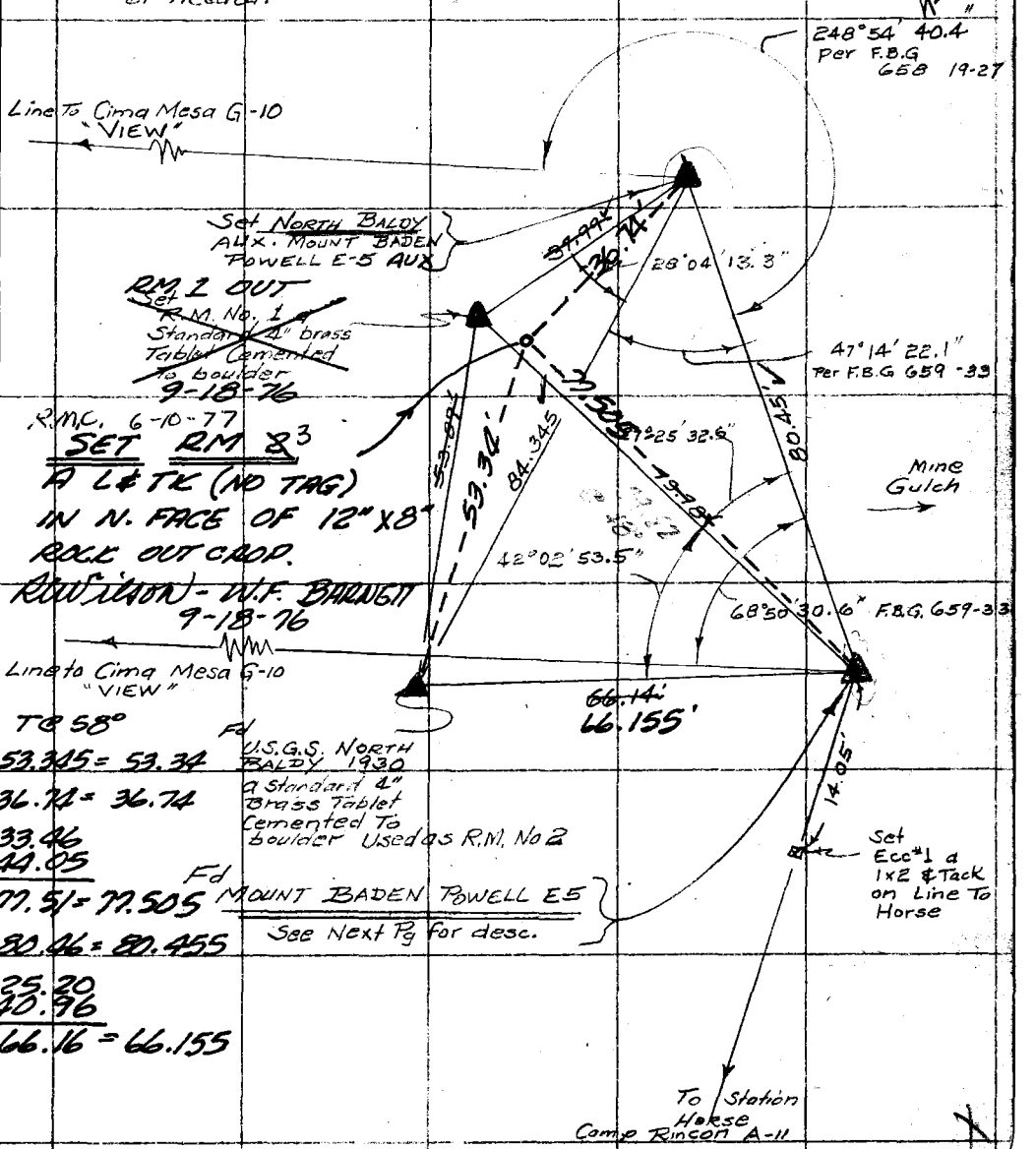
L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

MOUNT BADEN POWELL E-5

& NORTH BALDY AUX.

Note all measured Distances @ Temp. 82° No Cor. Shown or needed.



T @ 58°

53.345 = 53.34

36.74 = 36.74

33.46
44.05

77.51 = 77.505

80.46 = 80.455

25.20
40.96

66.16 = 66.155

Fd U.S.G.S. NORTH BALDY 1930 a Standard 4" Brass Tablet Cemented To boulder Used as R.M. No 2

Fd MOUNT BADEN POWELL E5

See Next Pg for desc.

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3099 247 4-53

943 44
F.B. ~~1858~~ PG. ~~216~~

DESCRIPTIONS
MOUNT BADEN POWELL E-5

This Station is in Los Angeles County, in the San Gabriel mountains, on the summit of Mount Baden Powell, on the brink overlooking Mine gulch & 18 feet South of a Iron Flag pole or Mast.

To Reach this Station take trail from Vincent Gap to Summit of Mount Baden Powell and Station.

STATION MARK: Found A.U.S.G.S. in Cooperation with Los Angeles County, Standard 4inch Brass Tablet, Cemented To a granite Stone about 7"x7" and extending 4" above flush. The Tablet is Lettered "MARK U.S. GEOLOGICAL SURVEY IN COOPERATION WITH Los Angeles COUNTY, Elev. Above SEA LEVEL, R 93, 1929, $250 Fine for DISTURBING." (Monument is Solid & undisturbed)

STATION MARK N. BALDY AUX: Set A standard 4" brass L.A. CO. [illegible] Mark Cemented [illegible] Large boulder and Lettered "L.A. CO. SURV. CONT. SYS. TRI. STA., NORTH BALDY AUX, MOUNT BADEN POWELL E5, 1954, Set by, COUNTY SURVEYOR R.E. 63."

~~REFERENCE MARK No.1: Set a standard 4 inch brass Tablet, cemented to a Large rock and Lettered "L.A. Co. Surv. Cont. Sys, Ref. Mark, North Baldy Aux, Mt Baden Powell E-5, R.M. No 1, 1954, Set by L.A. Co. Surv. R.E. 63."~~ OUT - 9-18-76 RWilson

REFERENCE MARK No 2: Found A standard 4" brass Tablet cemented to a large boulder down 15'± below Summit & westerly 66'±.

The Mark is Lettered "U.S.G.S. in Cooperation with L.A. County, N. BALDY, 1930, $250 fine for disturbing".

the stamping on this mark is NOT in conformity with our present standards This station is MTB E-5 AUX 1.

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Date	Indexed A. C. Johnson

F. B. 745 Pg. 45V 847

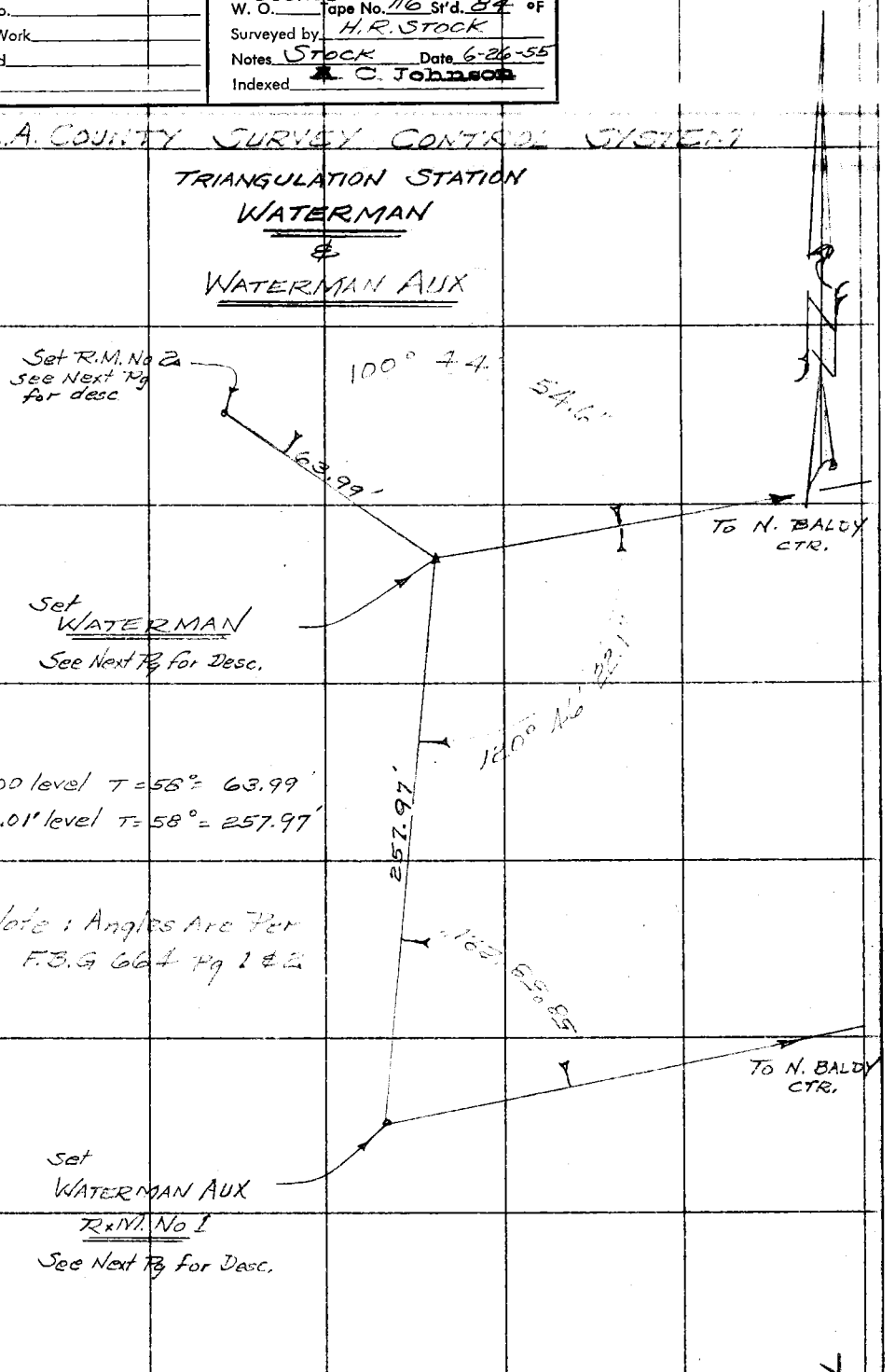
L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

WATERMAN

&

WATERMAN AUX



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76F309S 247 4-53

943 · 46

F. B. 1958 Pg. 248

DESCRIPTIONS

WATERMAN

THIS STATION IS IN LOS ANGELES COUNTY, IN THE SAN GABRIEL MOUNTAINS, ON THE SOUTHERLY RIDGE OF MOUNT WATERMAN, ON THE FIRST KNOB EAST OF WATERMANS SUMMIT 0.4 Mi ±, IN AMONGST ROCK OUTCROPINGS JUST SOUTH OF KNOBS SUMMIT, THE MONUMENT EXTENDS 8" ABOVE FLUSH AND HAS A PERMANENT INSTRUMENT STAND SET OVER IT.

TO REACH THIS STATION TAKE WATERMAN SKI LIFT TO MOUNTAINS NORTH TOP SIDE, THEN HIKE UP TO SUMMIT ON SOUTH SIDE, THEN CONTINUE EAST ON TRAIL FROM SUMMIT DOWN INTO SADDLE, THEN UP TO SUMMIT OF PROMINENT KNOLL ± STATION.

STATION MARK: Set a std 4" brass Tablet in concrete Pillar 12"x12" Square at Top & extending 8" Above Flush. Tablet is lettered "L.A. Co. SURV. CONT. SYS. [illegible] WATERMAN I-8, 1954, [illegible] SET BY COUNTY SURVEYOR R.E. 63."

SUB SURFACE MARK: None Set.

REFERENCE MARK No 2: Set a std 4" brass Mark in Precast Concrete pillar 7" diameter at top & extending 4" above flush. Tablet is lettered "L.A. Co. SURV. CONT. SYS, REF. MARK, WATERMAN I-8, R.M. No 2, WATERMAN, 1954, Set by, L.A. Co. SURVEYOR R.E. 63".

WATERMAN AUX.

REFERENCE MARK #1

= STATION MARK: Set a std. 4" brass Tablet in a large flat boulder in rock outcrop. Tablet is Lettered "L.A. Co. SURV. CONT. SYS., REFERENCE MARK No 1, WATERMAN I-8, WATERMAN, 1954, SET BY. CO. SURVEYOR R.E. 63".

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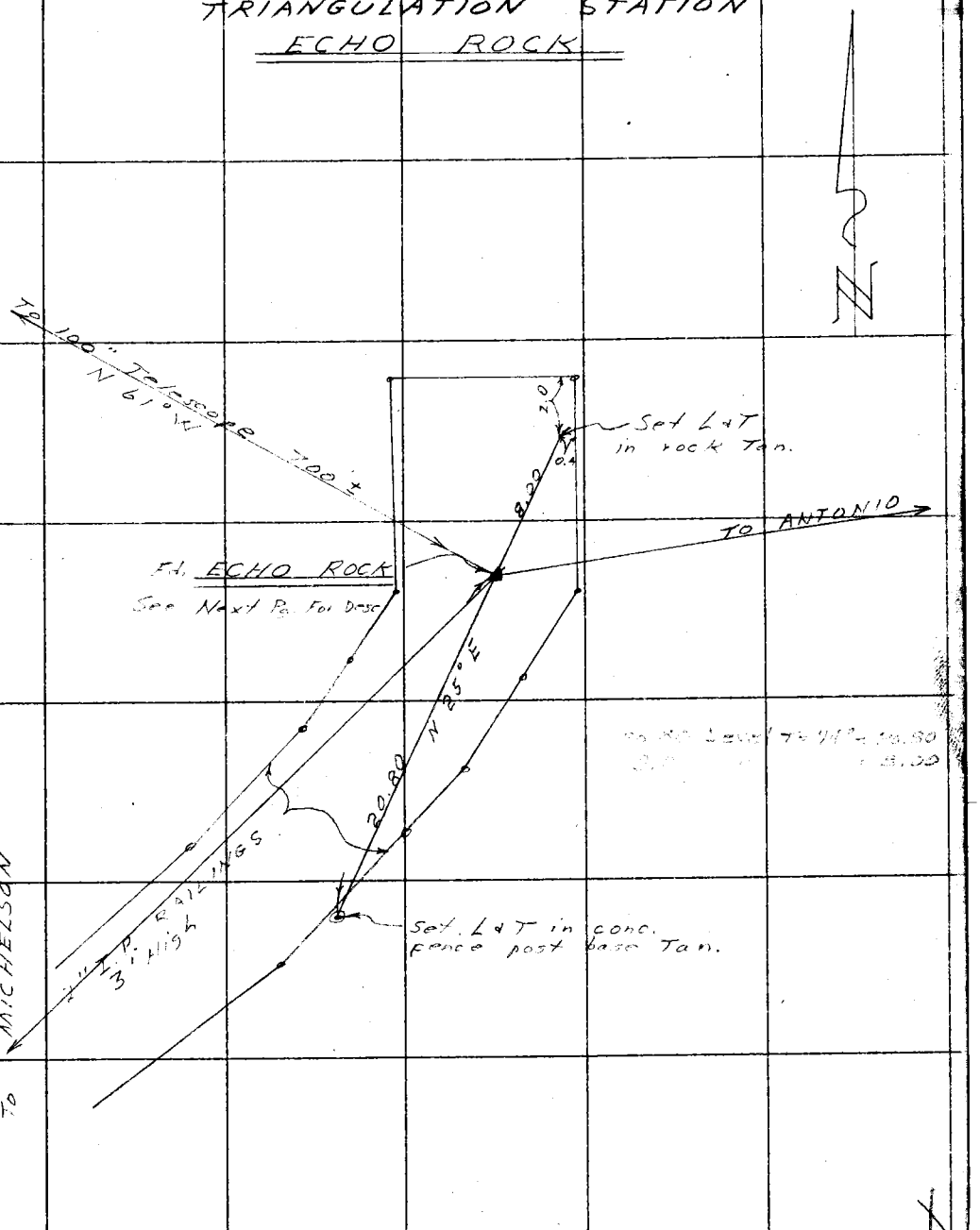
Date	Indexed A. C. Johnson

F. B. 943 Pg. 47

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

ECHO ROCK



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76F3095 247 4-53

943 48

F. B. ~~1858~~ PG. ~~220~~

DESCRIPTIONS
TRIANGULATION STATION
ECHO ROCK

This station is in Los Angeles County, in the San Gabriel Mountains, on MOUNT WILSON, on a prominent ridge, ± E. of the Mount Wilson Hotel. To reach this station from the control gate at the entrance to the Hotel property, go E. on paved road

STATION MARK: Fd. a std. 4" Flood Control brass cap in conc. ([illegible] x 10") 3" above ground, marked "LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, ECHO ROCK".

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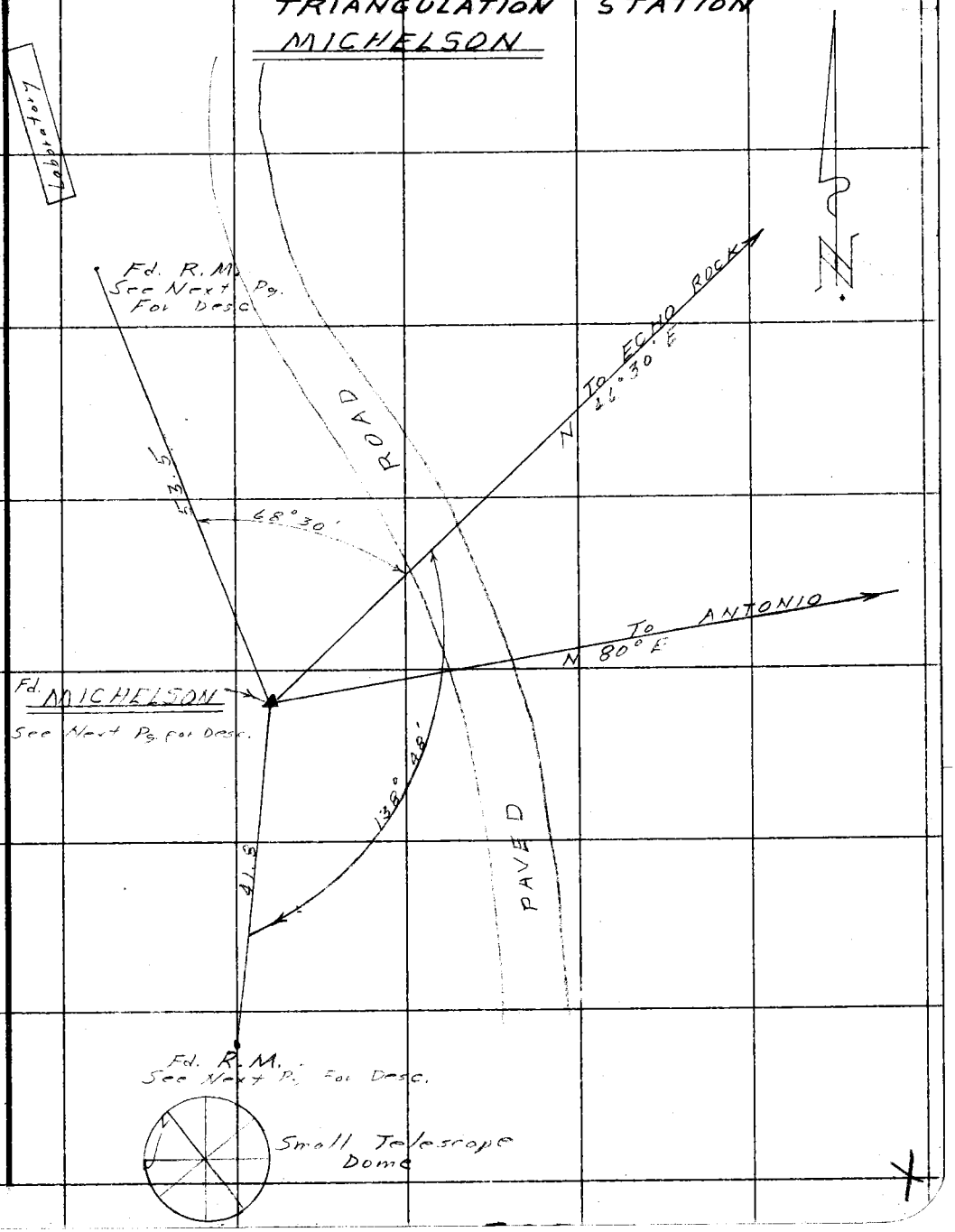
Checked	Notes W. D. BAY Date 9-23-54
Date	Indexed A. C. Johnson

F. B. 243 Pg. 49

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION MICHELSON



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76FSOBS 247 4-53

943 .50

F. B. 1868 PG. 282

DESCRIPTIONS

TRIANGULATION STATION

MICHELSON

This station is in Los Angeles County, in the San Gabriel Mountains, on Mount Wilson, on a prominent ridge, ± S.E. of the Mt. Wilson Hotel. To reach this station from the central side of the entrance to the hotel property, go E. on paved road

STATION MARK: Fd. a std. 4" U.S.C & G.S. brass cap in an 18"x18" conc. pillar, 1' above ground, marked "U.S. COAST & GEODETIC SURVEY [illegible]

REFERENCE MARK Fd a std. 9" U.S.C&G.S. brass cap in an 18"x18" conc pillar, flush, marked "U.S. COAST & GEODETIC SURVEY, REFERENCE MARK, MICHELSON, 1922".

REFERENCE MARK Fd. a std. 4" U.S.C.&G.S. brass cap in an 18"x18" conc pillar, 6" above ground, marked "U.S. COAST & GEODETIC SURVEY, REFERENCE MARK, MICHELSON, 1922".

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943 51 ✓

F. B. ~~1858~~ Pg. ~~823~~

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Map No.	W. O. 0901.00 Tape No. 116 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes H. R. S. Date 8-13-54
Date	Indexed A. C. Johnson

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

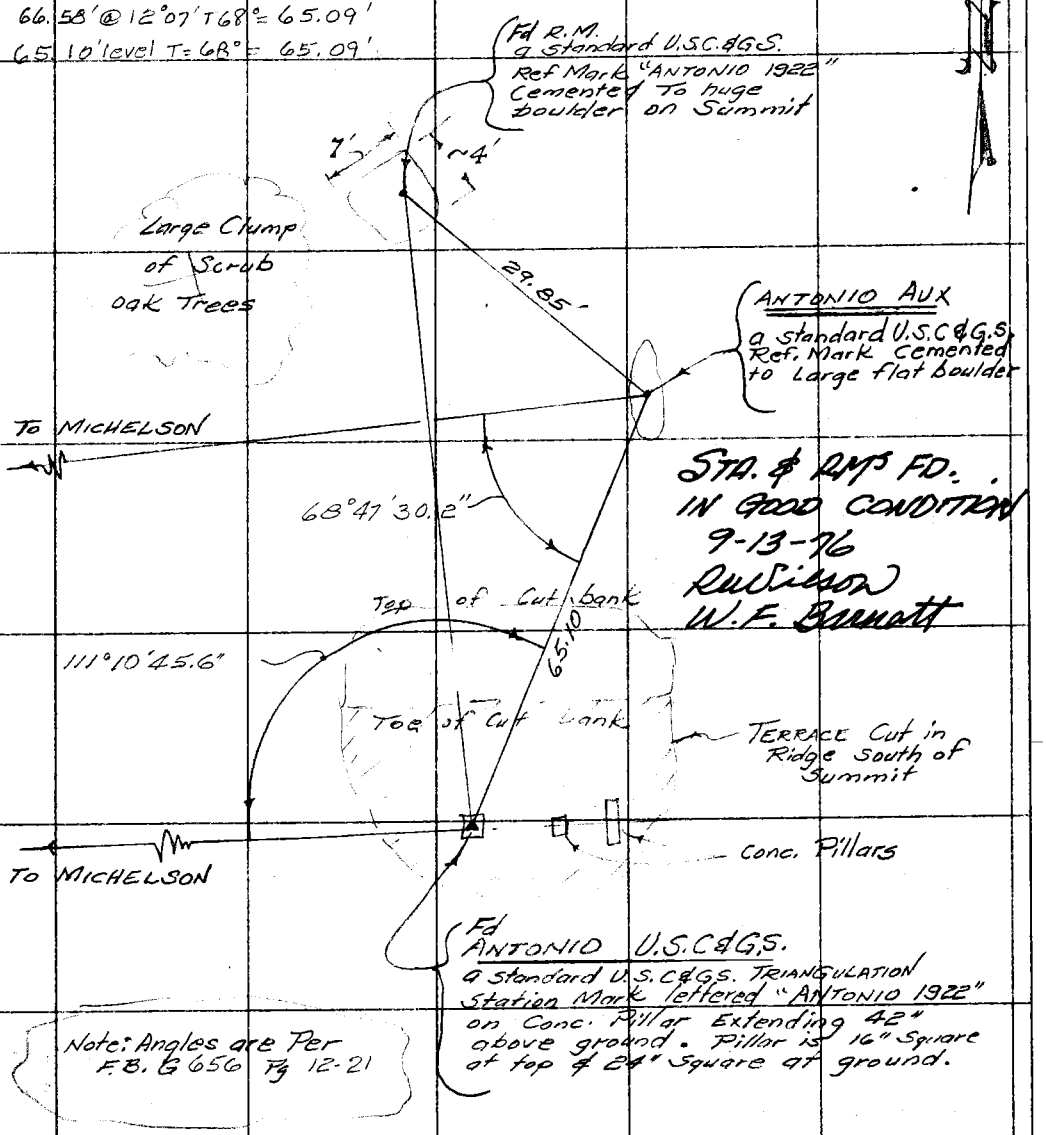
ANTONIO AUX

(CAMP BALDY D-7)

29.85' level T= 72° = 29.85'

66.58' @ 12°07' T 68° = 65.09'

65.10' level T= 68° = 65.09'



STA. & RMS FD.
IN GOOD CONDITION
9-13-76
RuWilson
W.F. Burnett

Note: Angles are Per
F.B. G 656 Pg 12-21

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76F3095 247 4-53

943 52
F. B. ~~1868~~ PG. ~~324~~

DESCRIPTION
ANTONIO AUX

THIS TRIANGULATION STATION IS IN LOS ANGELES COUNTY, IN THE SAN GABRIEL MOUNTAINS, ON A PROMINENT RIDGE RUNNING ALMOST DUE SOUTH FROM MOUNT BALDY (SAN ANTONIO PEAK) WHERE the MAIN RIDGE BETWEEN CATTLE CANYON & COW CANYON INTERSECTS WITH IT. THE AUX. STATION IS ABOUT 4' LOWER Than Summit on Large flat Rock.

To Reach this Station from Camp Baldy Go Southwasterly from the intersection of Camp Baldy Rd & Glendora Ridge Rd 0.85 mi to Saddle, turn Right in Saddle & follow the Coldwater Canyon Truck Trail North 0.3 mi to old Pigeon Camp Site (Flat), then hike up ridge about 75' ± to Trail which climbs around west side of Ridge 0.3 mi to Saddle in Ridge then take Trail to left or west side of ridge [illegible] 0.22 mi, then go along trail on east side of ridge in a northerly direction 0.4 mi to Saddle, turn left & follow trail & ridge South 0.2 mi to Small Peak & Station.

STATION MARK: Fd Standard U.S.C.&G.S. Reference mark Cemented to a large flat boulder and Stamped "ANTONIO 1922" also the mark has had "AUX" Carved in it with a Knife.

REFERENCE MARK: Fd Antonio 1922 U.S.C.&G.S. Used as R.M. No 1

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726 LOS ANGELES COUNTY
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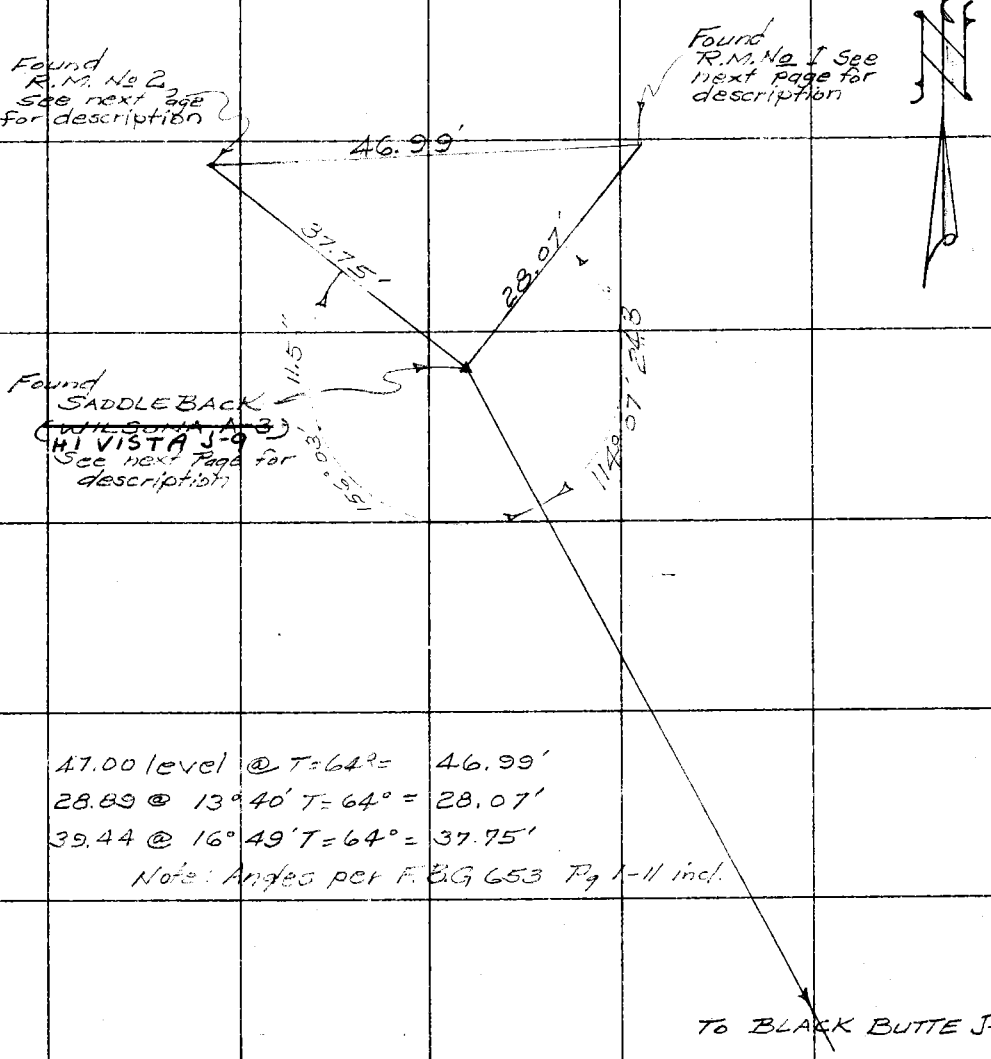
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 37 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes STOCK Date 9-28-54
Date	Indexed A. C. Johnson

F. B. 1958 PG. 53

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION RECOVERY
U.S.G.S. & U.S.C. & G.S. SADDLEBACK
~~(WILSONA A3)~~

HI VISTA J-9



47.00 level @ T=64° = 46.99'
28.89 @ 13°40' T=64° = 28.07'
39.44 @ 16°49' T=64° = 37.75'
Note: Angles per F.B. G 653 Pg 1-11 incl.

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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76F3095 247 4-53

943 54
F.B. ~~1858~~ PG. ~~226~~

DESCRIPTION
RECOVERY
SADDLEBACK
HI VISTA J-9

This Triangulation station is in Los Angeles County, in the Antelope Valley, 2 1/2 miles North of and 2 1/2 miles east of the Wilsona School, and about 10 feet west of highest rocky point on the North East peak of Saddleback Butte.

To reach this station from 180th St. E. and Avenue O Travel north 2 mi on 180th St E to Avenue M. then turn east or right 0.5 mi To dirt road, then left or Northeasterly 0.5 mi To fork in road at the east end of a prominent rock outcrop, then take left road at fork 1.6 miles to end of road at the toe of Spur. Hike up spur into saddle and then up the right or N.E. peak To station at summit.

STATION MARK: Found a standard U.S.G.S. in Cooperation with the County of Los Angeles, 4 inch brass Tablet Stamped "R.S. 1929, Saddleback". Mark is set in Solid rock outcrop.

SUB SURFACE MARK: None.

REFERENCE MARK No1: Found a standard 4 inch brass U.S.C.&G.S. disk inscribed "Saddleback, U.S.G.S. No1, 1933" set in a large granite boulder outcrop about 8 feet below center station 28' ± N.E.

REFERENCE MARK No2: Found a standard 4 inch brass [illegible] 1933" [illegible] granite boulder outcrop about 8 feet below station and 38' ± N.W.

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726 LOS ANGELES COUNTY
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943 55 ✓

F. B. 1858 PG. 227

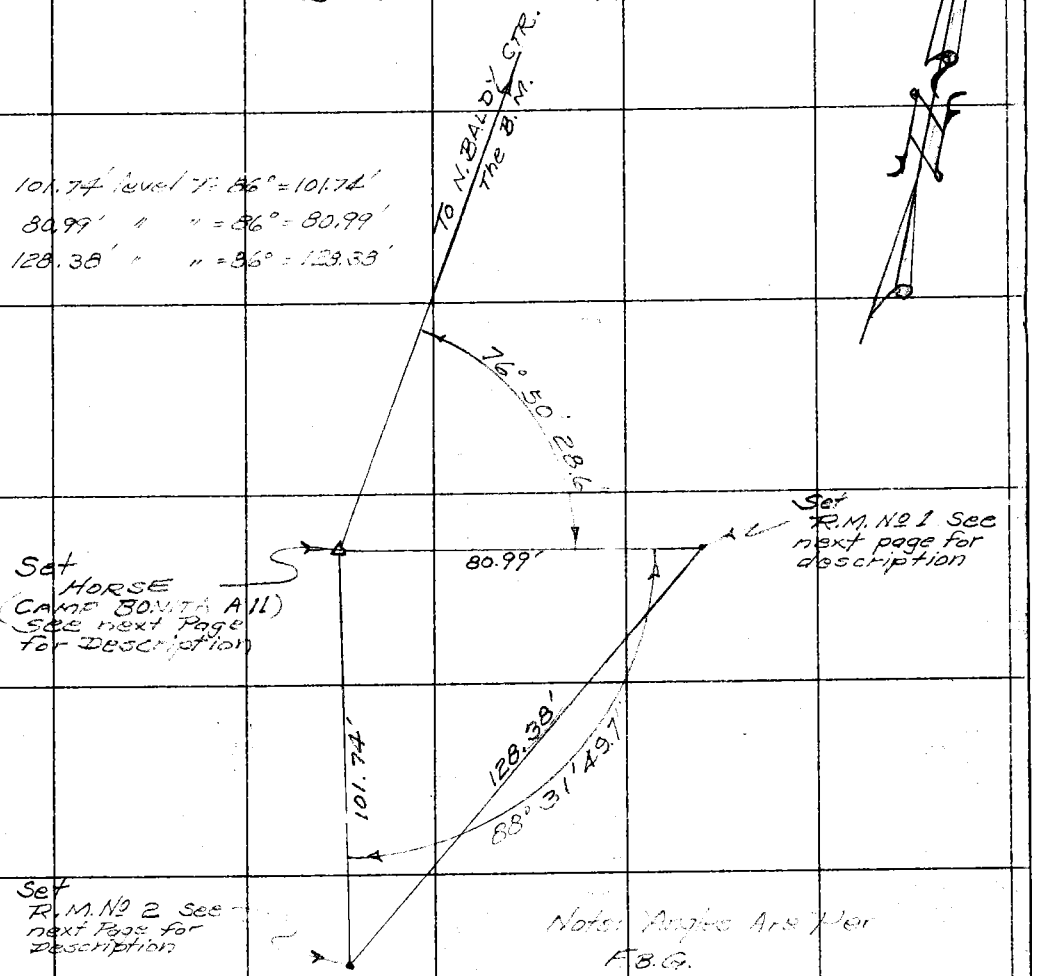
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 116 St'd. 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes STOCK Date 9-14-54
Date	Indexed A. C. Johnson

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

HORSE

(CAMP BONITA A-11)



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

76F3098 247 4-53

943 56

F. B. ~~4268~~ Pg. ~~220~~

DESCRIPTION

HORSE CBO A-11

This Triangulation Station is in Los Angeles County, in the San Gabriel Mountains, on the Glendora ridge, on the highest point of a prominent knoll at the north end of Vole Canyon and between the south ends of Horse Canyon and it's east fork. To Reach this Station from the intersection of Glendora mt. Rd. and Glendora Ridge Rd. go east on Glendora Ridge Rd. 0.8 mi to a large concrete and rock drain on the north side of the road; which is also at west end of cut for the road, and the intersection of the fire break from the east. Then hike northeasterly up the fire break from the drain a distance of 1000'± to the summit of fire break, then turn left or (N) along well brushed trail for 300'± to summit of Knoll (Ridge) and Station.

STATION MARK: Set a standard 4 inch brass Tablet in a concrete pillar 7 inches in diameter and extending 6 inches above flush. The Tablet is lettered "LOS ANGELES COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION, CAMP BONITA All, HORSE, 1954, Set by COUNTY SURVEYOR R.E. 63."

SUBSURFACE MARK: None Set.

REFERENCE MARK No 1: Set a standard 4 inch brass Tablet in concrete pillar with a 7 inch diameter and extending 5 inches above flush. The tablet is lettered "Los Angeles County SURVEY CONTROL SYSTEM, REFERENCE MARK, CAMP BONITA All, HORSE, R.M. No 1, 1954, Set by COUNTY SURVEYOR R.E. 63."

REFERENCE MARK No 2: Set a standard 4 inch brass Tablet in a concrete pillar with a 7 inch diameter and extending 5 inches above flush. The Tablet is lettered "LOS ANGELES COUNTY SURVEY CONTROL SYSTEM, REFERENCE MARK, CAMP BONITA All, HORSE, R.M. No 2, 1954. Set by COUNTY SURVEYOR R.E. 63."

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

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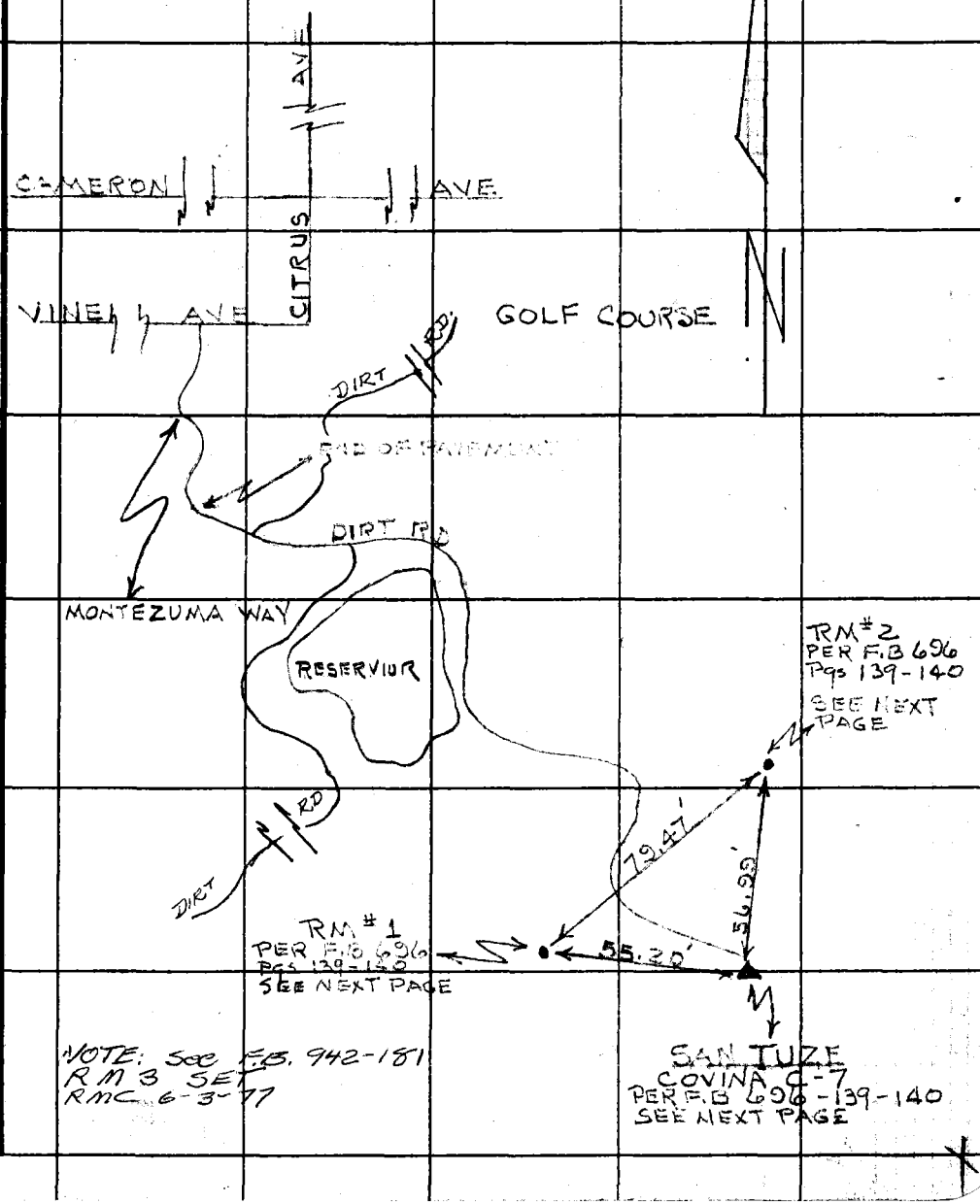
Notes Ck'd by	Survey of SECONDARY CONTROL
Map No.	W. O. 0301.00 Tape No. 116 St'd 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes R D SMITH Date 7-5-55
Date	Indexed L. O. Johnson

F. B. 943 Pg. 57

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION
SAN TUZE U.S.G.S.
(COVINA C-7)



NOTE: See F.B. 942-181
RM 3 SET
RMC 6-3-77

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RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 247 SM 11-6

F. B. ~~1358~~ 943 Pg. ~~204~~ 58

DESCRIPTIONS
SAN TUZE
(COVINA C-7)

THIS TRIANGULATION STATION IS IN LOS ANGELES COUNTY AND IS ON THE MOST WESTERLY HIGH PEAK OF THE SAN JOSE HILLS.

TO REACH THIS STATION GO SOUTH ALONG CITRUS AVE FROM THE CITY OF COVINA TO THE INTERSECTION OF CAMERON AVE & CITRUS AVE. THENCE CONTINUE SOUTH ALONG CITRUS AVE 0.15 MILE TO VINE AVE THENGE WEST 0.2 MILE TO MONTEZUMA WAY. THENCE SOUTHERLY 0.25 MILE TO THE END OF PAVEMENT THENCE 0.1 MILE SOUTHEASTERLY ALONG A DIRT ROAD TO FORK IN THE ROAD. THENCE CONTINUE RIGHT 0.1 MILE TO FORK, CONTINUE LEFT 1.5 MILES TO THE SUMMIT & STATION

STATION MARK: FD STD 4 INCH BRASS CAP SET IN CONC. PILLAR 4 INCHES ABOVE FLUSH AND MARKED U.S. GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY. R.S. 1923. SAN TUZE.

SUB SURFACE MARK: — NONE (PER F.B 696-139-140

REFERENCE MARK NO. 1 FD STD 4 INCH BRASS CAP SET IN CONC PILLAR 4 INCHES ABOVE FLUSH AND MARKED COVINA C-7 R.M. NO 1 COUNTY SURVEYOR 1937

REFERENCE MARK NO. 2: — FD STD 4 INCH BRASS CAP SET IN CONC PILLAR 6 INCHES ABOVE FLUSH AND MARKED COVINA C-7 R.M. NO 2 COUNTY SURVEYOR 1937

RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS
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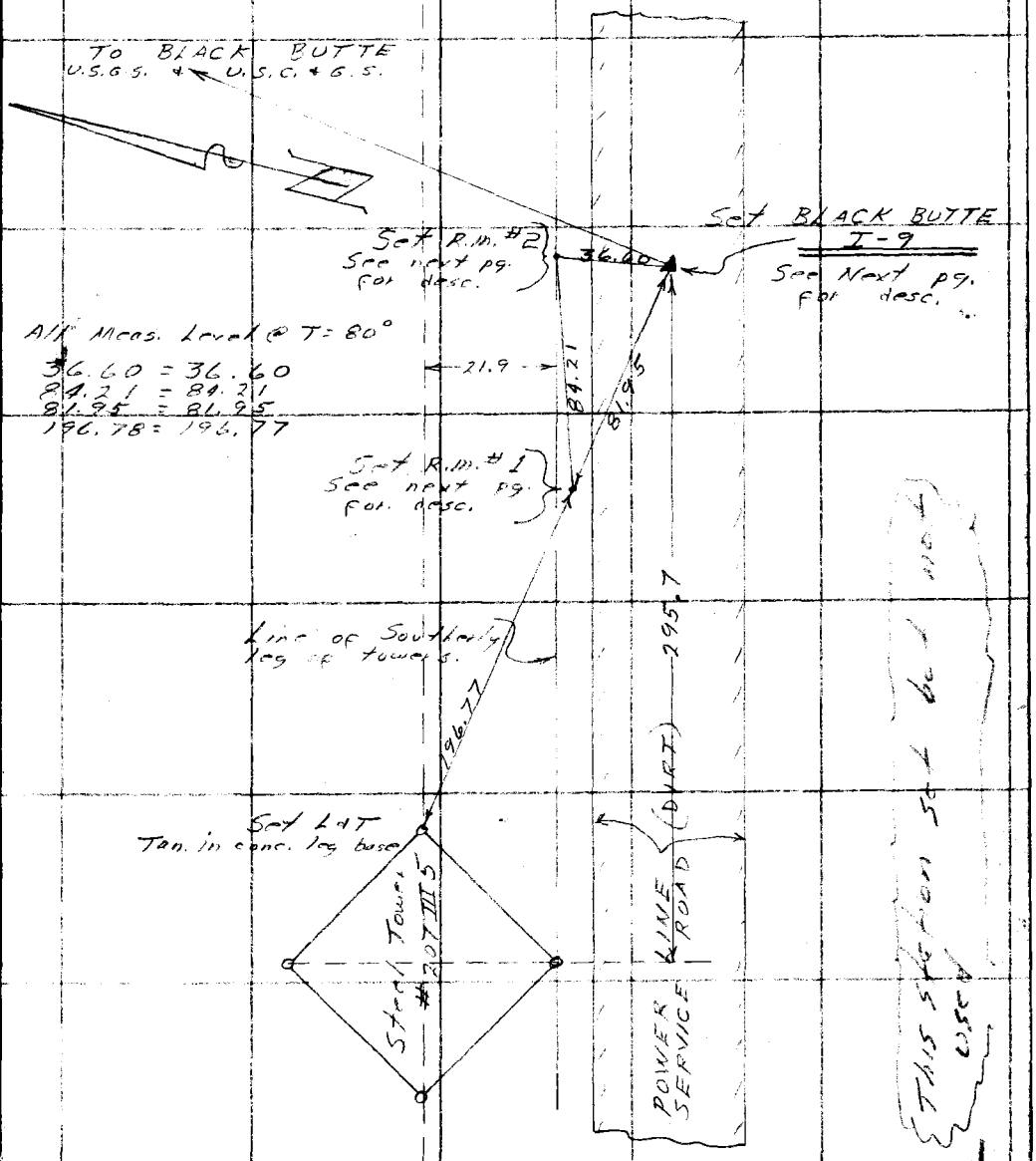
Notes Ck'd by	Survey of GEOD. LIC CONTROL
Map No.	W. O. 0301.00 Tape No. 39 St'd. 54 °F
Office Work	Surveyed by
Checked	Notes W.D. BAY Date 4-12-55
Date	Indexed R. C. Johnson

F. B. 743 Pg. 59

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLACK BUTTE I-9



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

76F3095 S&E #247. 8-54

F. B. 943 PG. 60

BLACK BUTTE I-9

— Descriptions —

This station is in Los Angeles County, in the Antelope Valley about 6 miles East of the LLANO Post Office & about 2 miles North of Pearblossom Hwy, in the center of the dirt service road for the Bureau of Power & Light, City of Los Angeles, transmission line #III, 296 ±E. & 58 ±S. of tower #207-III-5

To reach this station from the LLANO Post Office @ 165th St. E. & Pearblossom Hwy., go North, on 165th St E., 1.4 miles to service road then turn right (E) and follow dirt service road 6.2 miles to Tower #207-III-5 & station.

STATION MARK: Set a std. 4" brass tablet in concrete down 12" below road surface & lettered "L.A. COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION, BLACK BUTTE I-9, 1955, RE 63.

SUB-SURFACE MARK: NONE

REFERENCE MARK NO. 1: Set a 2" Iron pipe, concrete core, lead plug & brass tack in a concrete pillar, 12" x 12", extending 6" above the ground, 82'± Wly. of Station.

REFERENCE MARK NO. 2: Set a 2" Iron pipe, concrete core, lead plug & brass tack in a concrete pillar, 12" x 12", extending 6" above the ground, 37'± North of Station.

RETURN TO
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726 LOS ANGELES COUNTY
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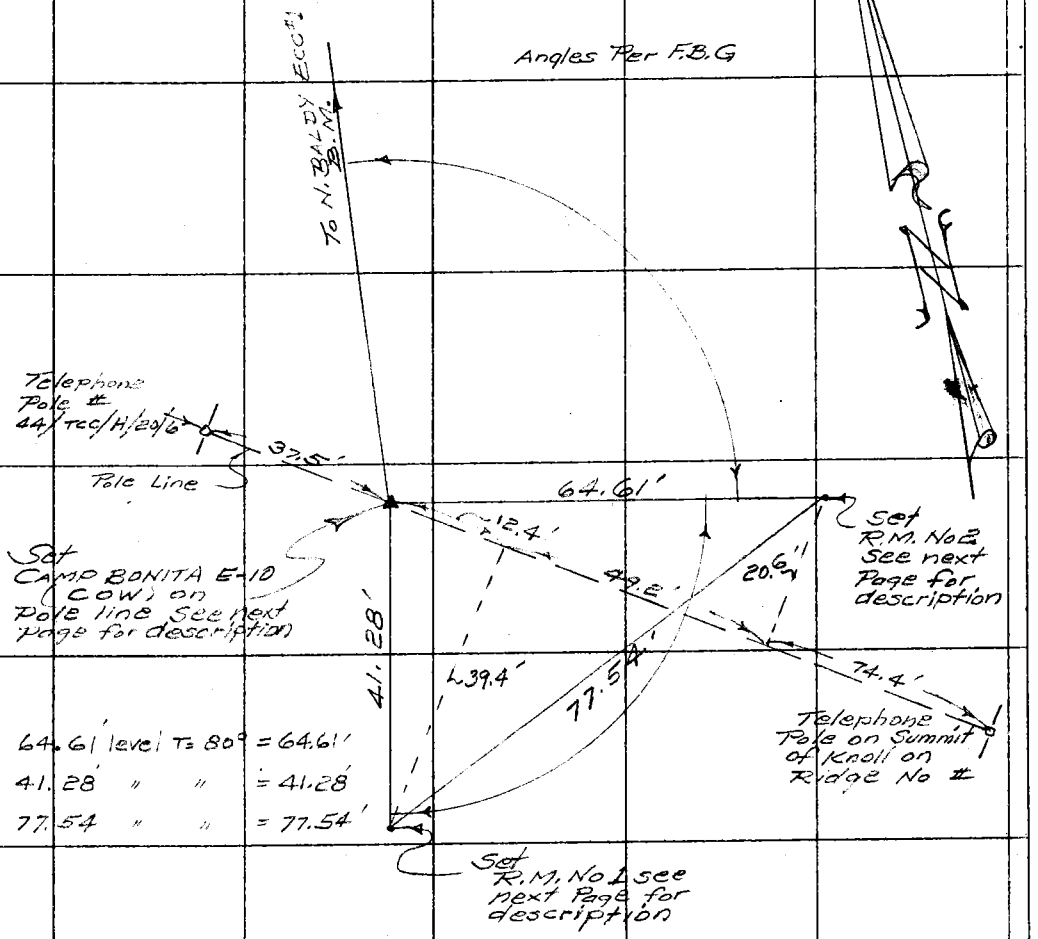
Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed A. C. Johnson

F. B. 945 Pg. 61 V

TRIANGULATION STATION
CAMP BONITA E-10
COW

Angles Per F.B.G



64.61' level T= 80° = 64.61'
41.28' " " = 41.28'
77.54' " " = 77.54'

See Abstract dated 4-27-55
for ∡'s to RM's.

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

76F3095 247 4-53

943 62

F. B. 1958 Pg. 54

DESCRIPTIONS

COW CBO E-10

This Triangulation station is in Los Angeles County, in the San Gabriel mountains on a prominent knoll of a ridge which starts Northwesterly from the Glendora Ridge road at a distance of 10.9mi ± East of the Dalton Canyon Rd intersection, the station site is 1800'± North along fire break from road, this ridge also has a telephone pole line running along the fire break.

STATION MARK: Set a standard 4 inch brass Cap in a concrete pillar one foot square and extending six inches above flush. The brass cap is lettered "Los ANGELES COUNTY SURVEY CONTROL SYSTEM, TRIANGULATION STATION, CAMP BONITA E 10, COW, 1954, Set by COUNTY SURVEYOR R.E. 63."

SUB SURFACE MARK: None Set.

REFERENCE MARK No 1: Set a standard 4 inch brass Cap in a 7 inch diameter Concrete pillar extending 6 inches above surface and lettered "LOS ANGELES COUNTY SURVEY CONTROL SYSTEM, REFERENCE MARK, CAMP BONITA E 10, COW, R.M. No. 1, 1954, Set by COUNTY SURVEYOR R.E. 63."

REFERENCE MARK No 2: Same as No 1 with one [illegible]

RETURN TO
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726 LOS ANGELES COUNTY
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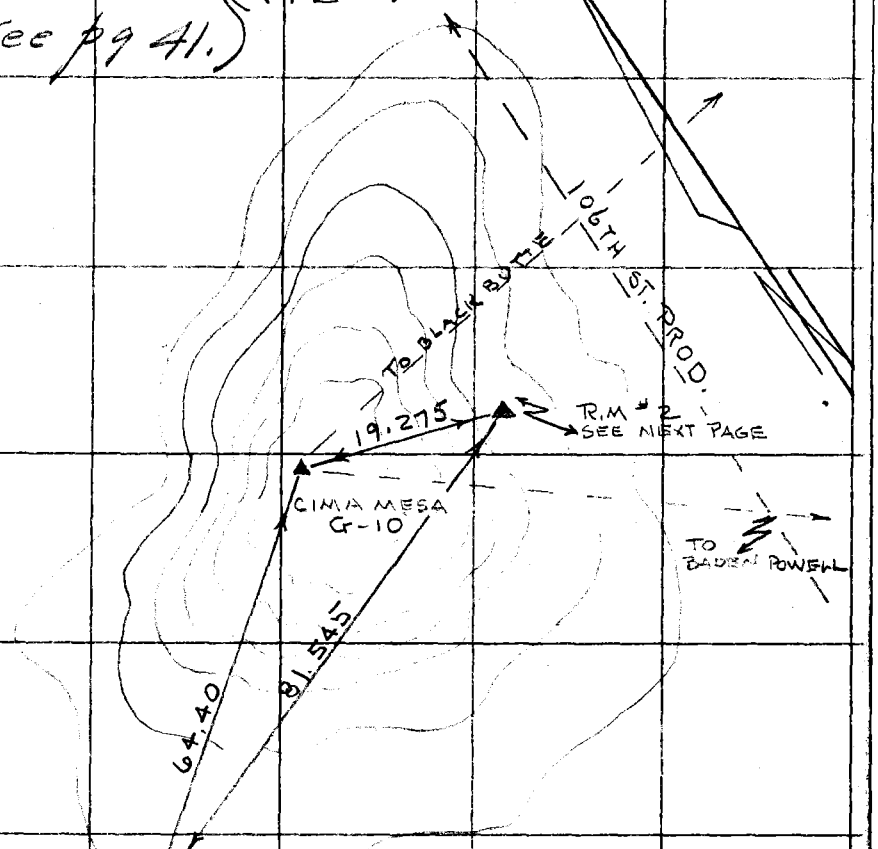
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W.O. 0301.00 Tape No. 0162 St'd. 6B of
Office Work	Surveyed by H.R. STOCK
Checked	Notes R.D. SMITH Date 12-28-55
Date	Indexed 12-29-55

F.B. 943 Pg. 63 L

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION
CIMA MESA G-10
(VIEW)

(See pg 41.)



LEVEL @ 45° +

1. 19.28 = 19.275

2. 54.36
27.21
81.57 = 81.545

3. 22.78
16.99
24.65
64.42 = 64.40

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 943 PG. 64

DESCRIPTIONS
CIMA MESA G-10
(VIEW)

For description of center Sta. and route to reach same See pg. 42

STATION MARK: SET STD 4 INCH BRASS CAP IN LARGE ROCK 24 X 15 INCHES, 4 INCHES ABOVE FLUSH AND STAMPED "CIMA MESA G-10 VIEW 1954 COUNTY SURVEYOR R.E. 63

SUB SURFACE MARK: NONE SET

REFERENCE MARK NO 1: SET STD 4" BRASS CAP IN LARGE ROCK 18 X 12 INCHES 15 INCHES ABOVE FLUSH AND STAMPED "VIEW R.M NO 1 1954 COUNTY SURVEYOR R.E 63

REFERENCE MARK NO 2 SET STD 4" BRASS CAP IN LARGE ROCK 14 X 26 INCHES 8 INCHES ABOVE FLUSH AND STAMPED VIEW R.M NO 2 1954 COUNTY SURVEYOR R.E 63

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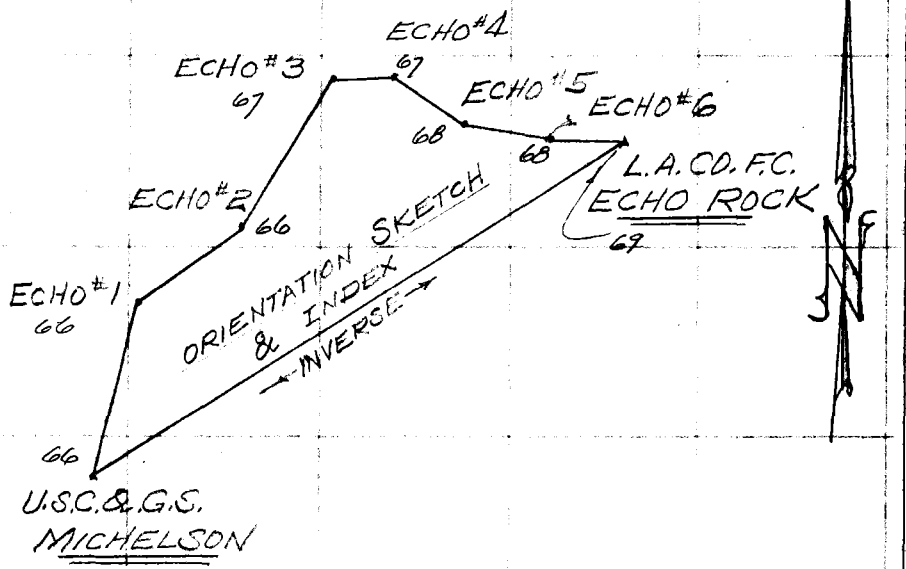
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std. 84 °F
Office Work	Surveyed by STOCK
Checked	Notes STOCK Date 1-13-58
Date	Indexed G. Johnson 1-28-58

F. B. 943 PG. 65

L.A. COUNTY SURVEY CONTROL SYSTEM

MICHELSON TO ECHO ROCK TRAVERSE



PARTY
STOCK
RICHARDS
WILKS
LYBRAND
VALDEZ
GLIDDEN
MOORE

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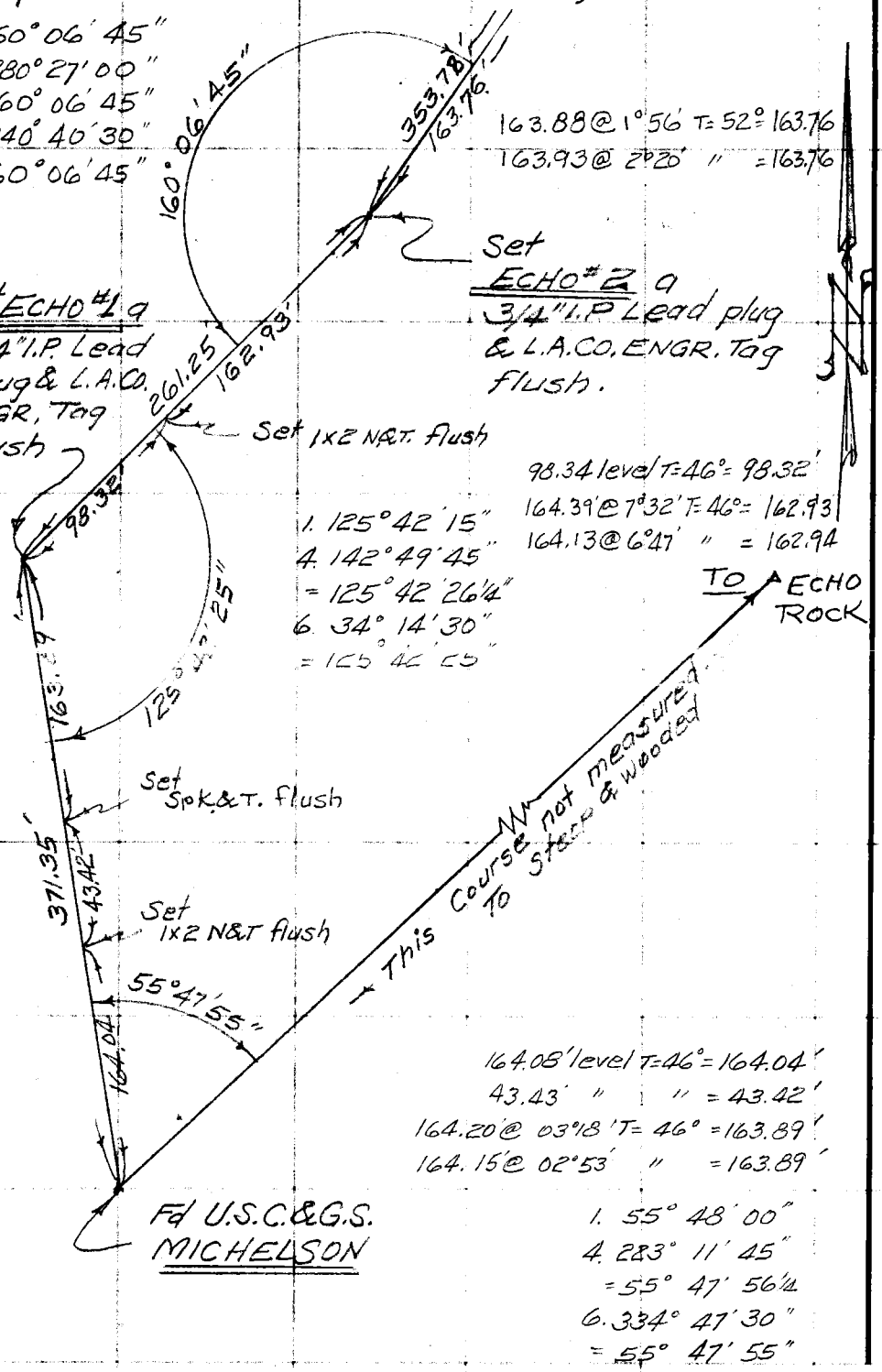
700 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S S&E #247 1-56

F. B. 943 Pg. 66

Cont. bot. Pg. 67

1. 160° 06' 45"
4. 280° 27' 00"
= 160° 06' 45"
6. 240° 40' 30"
= 160° 06' 45"



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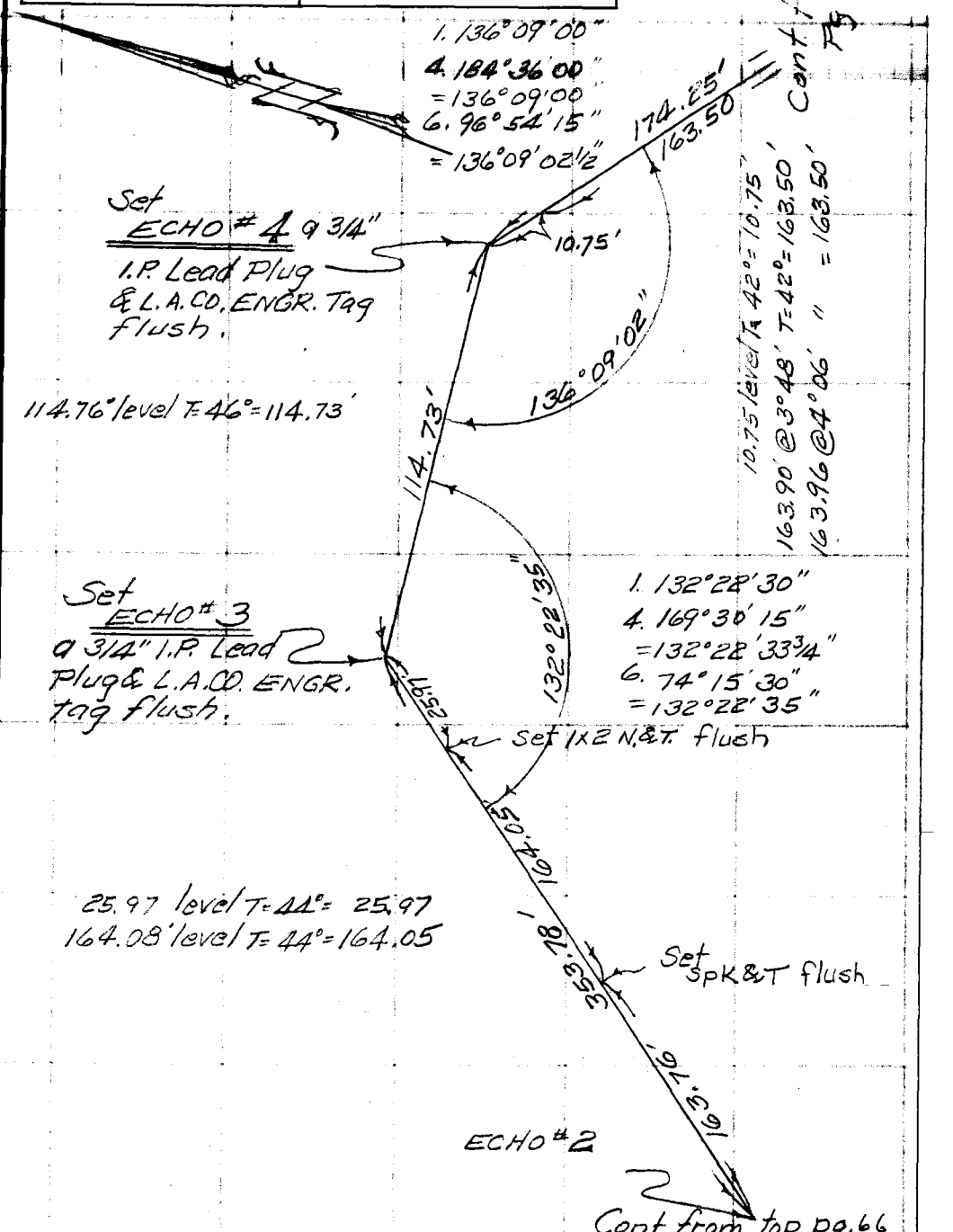
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by STOCK
Checked	Notes STOCK Date 1-13-58
Date	Indexed A. C. Johnson

F. B. 943 Pg. 67



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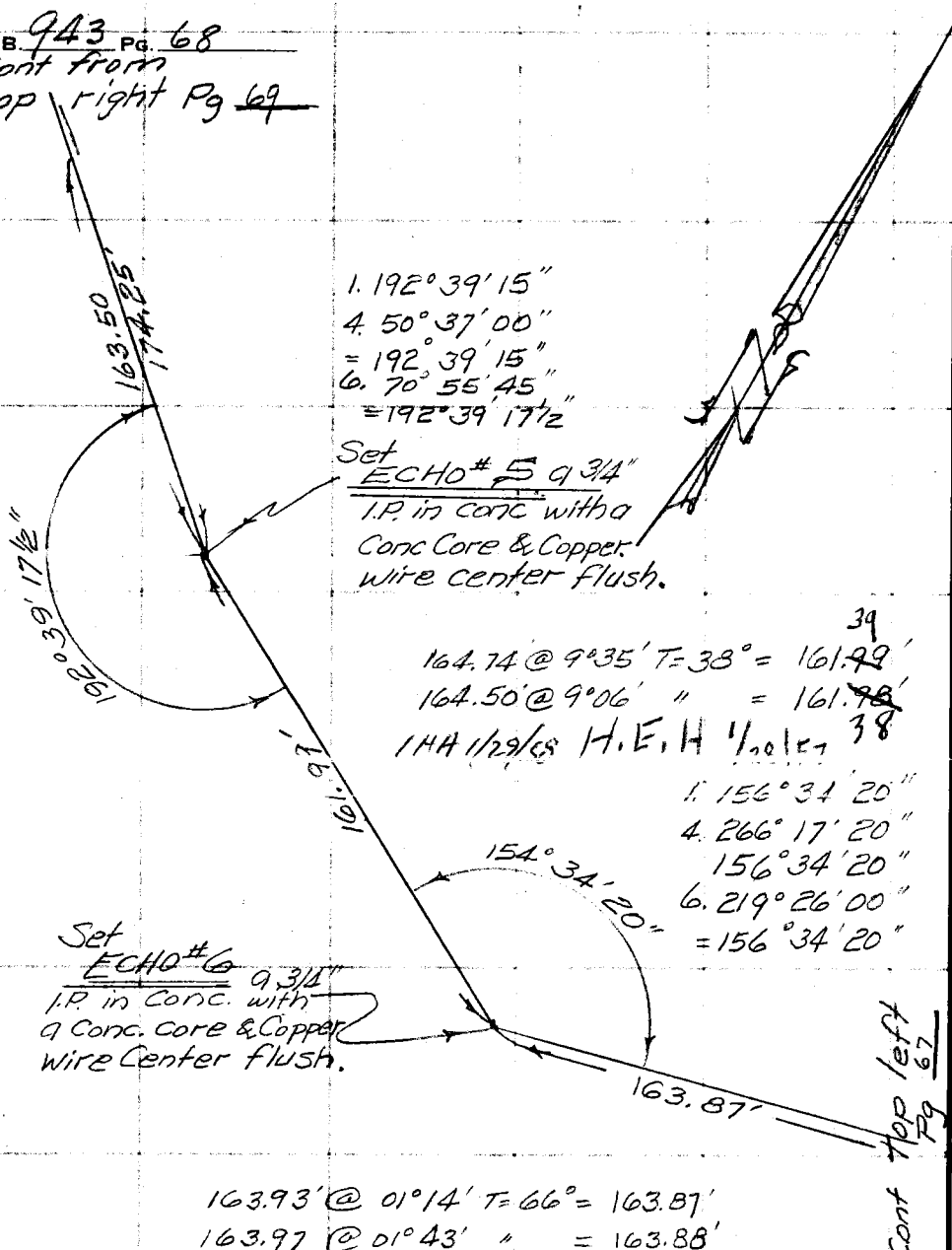
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

F. B. 943 PG. 68

Cont from Top right Pg 69



Cont Top left Pg 67

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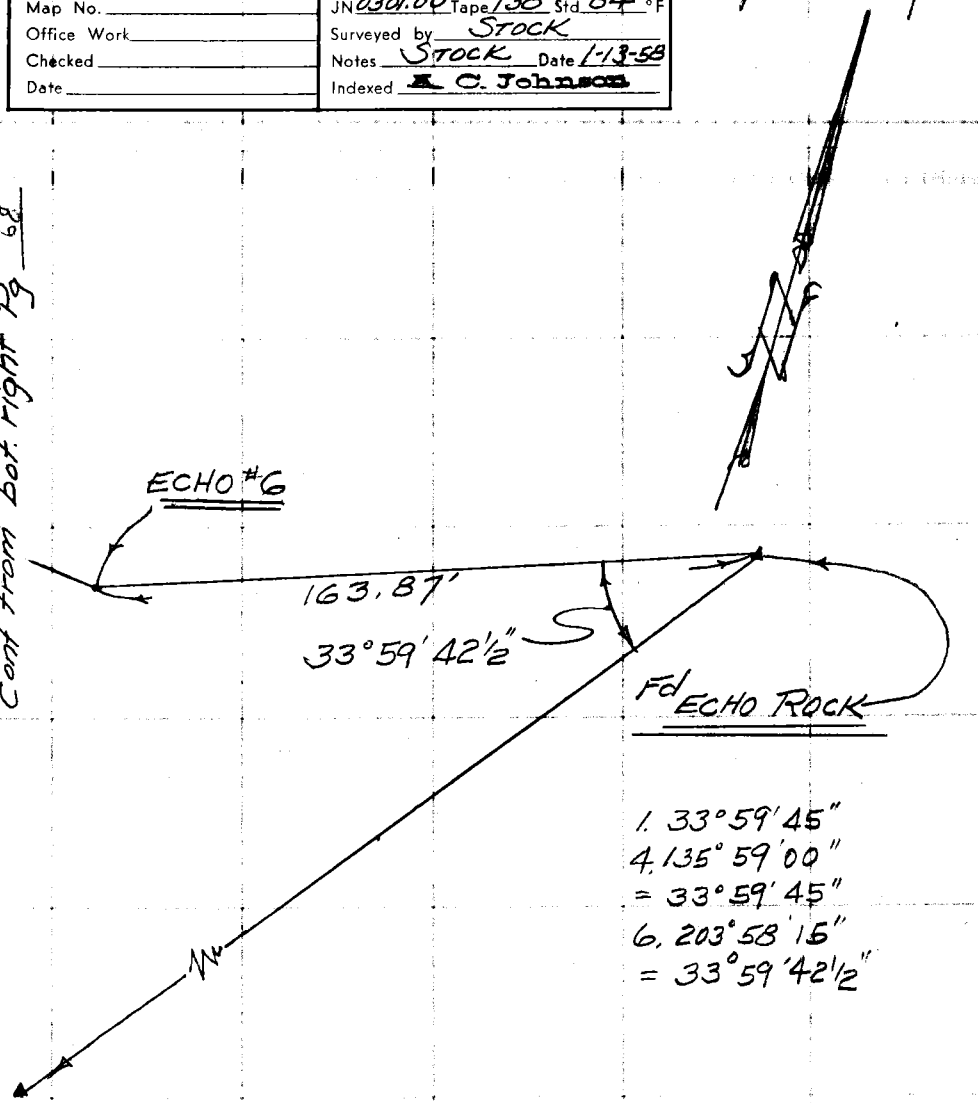
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by STOCK
Checked	Notes STOCK Date 1-13-58
Date	Indexed A. C. Johnson

F. B. 743 PG. 69

Cont from bot. right Pg 68



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76F309S S&E #247 1-56

F. B. 943 PG. 70

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 84' Std 84 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D. Date 12-60
Date	Indexed H. E. OH DEC 22 '60

F. B. 943 PG. 71

JOB NO. 0301.00
GEODETIC CONTROL
MONUMENTATION AND REFERENCING OF
LLANO BASE LINE CHAINING POINTS

SEE F.B. 943 - 15 THRU 19 FOR ORIGINAL MON.

DREIER
MOODY
LEGAULT
LYBRAND
VALDEZ

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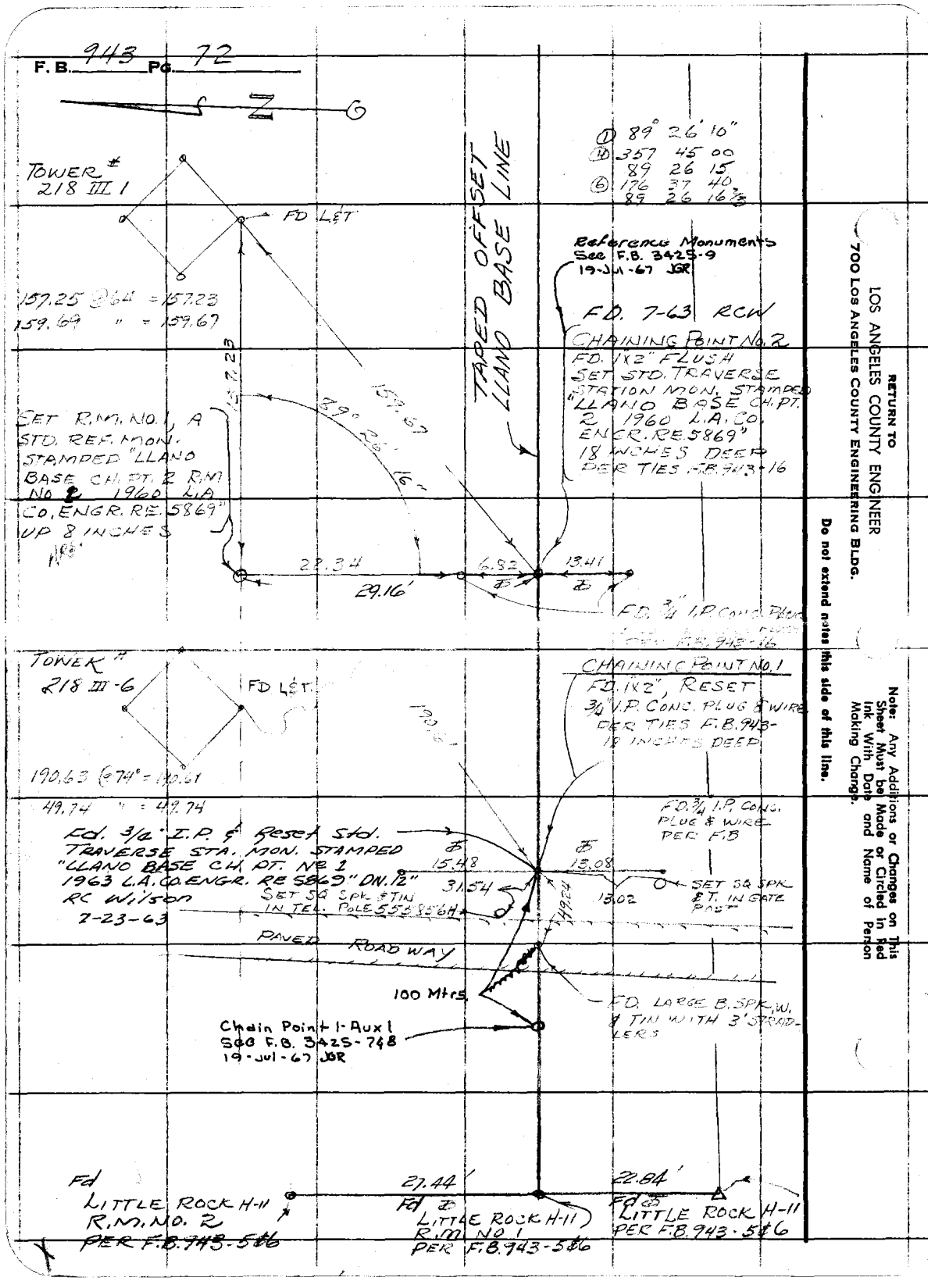
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247 3-57

F.B. 943 Pg. 72



RETURN TO
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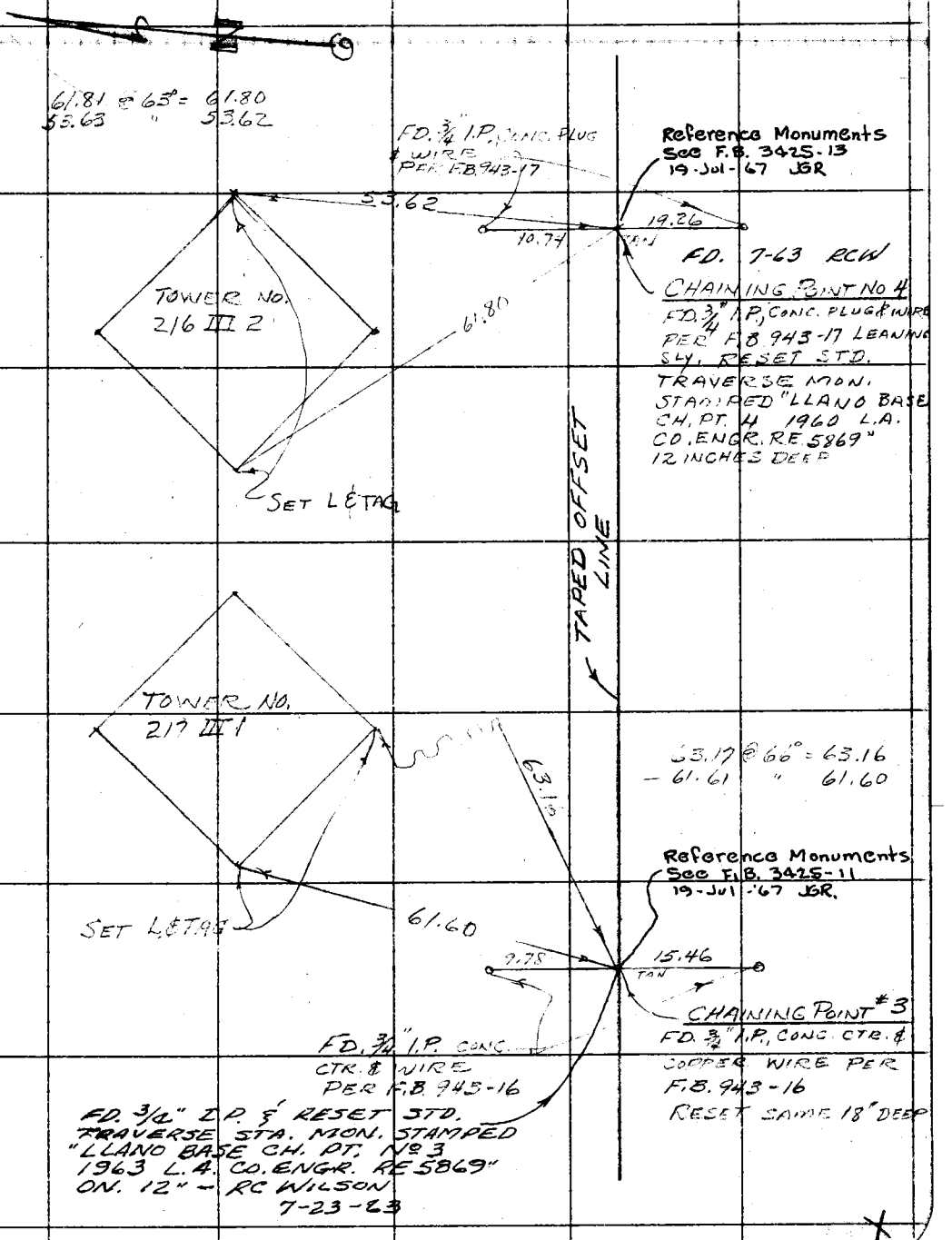
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 84 Std. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes G.E.D. Date 12-19-60
Date	Indexed

F. B. 943 PG. 73



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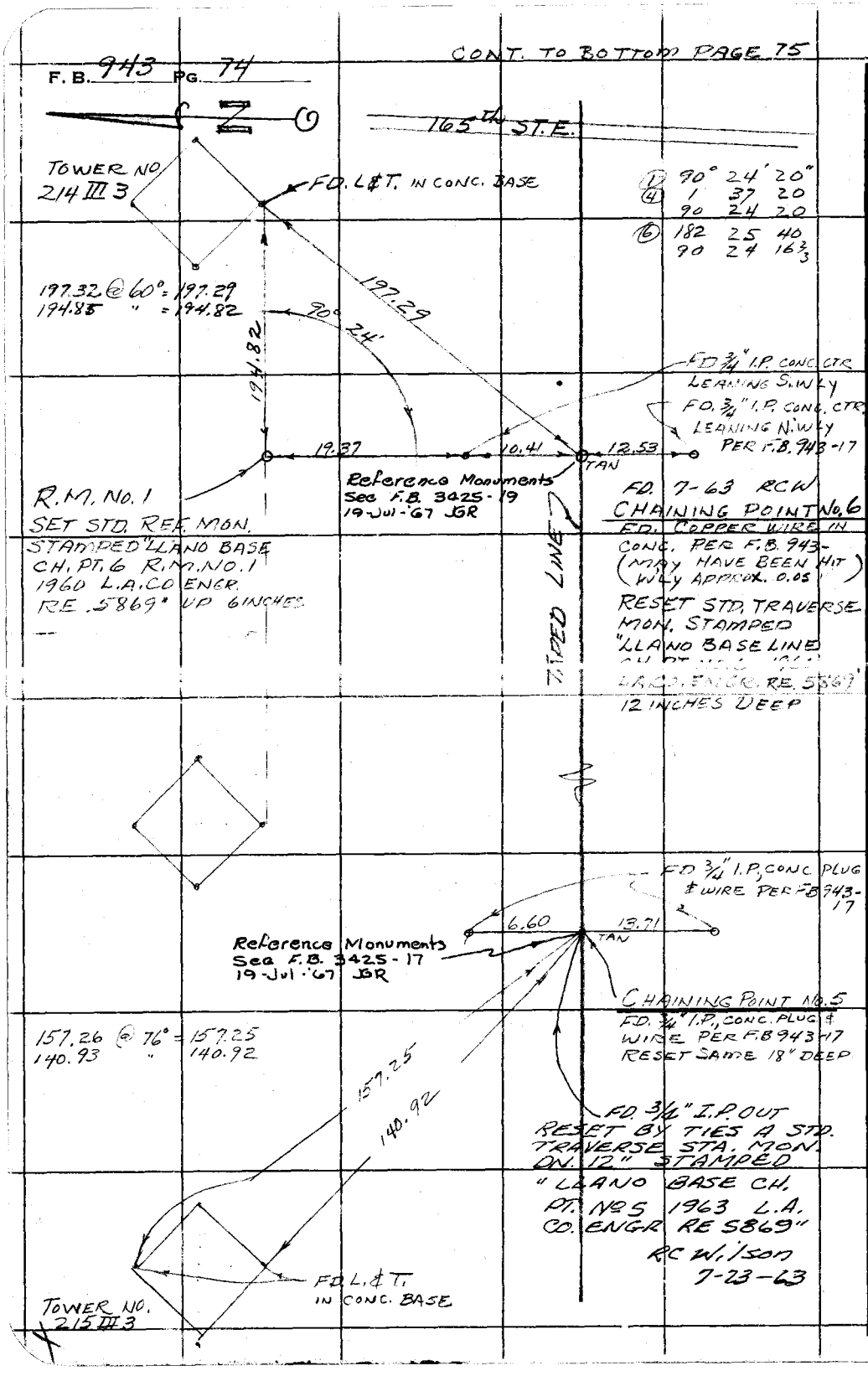
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76309S CE #247—7-53

CONT. TO BOTTOM PAGE 75

F.B. 943 PG. 74



RETURN TO
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700 Los Angeles County Engineering Bldg.

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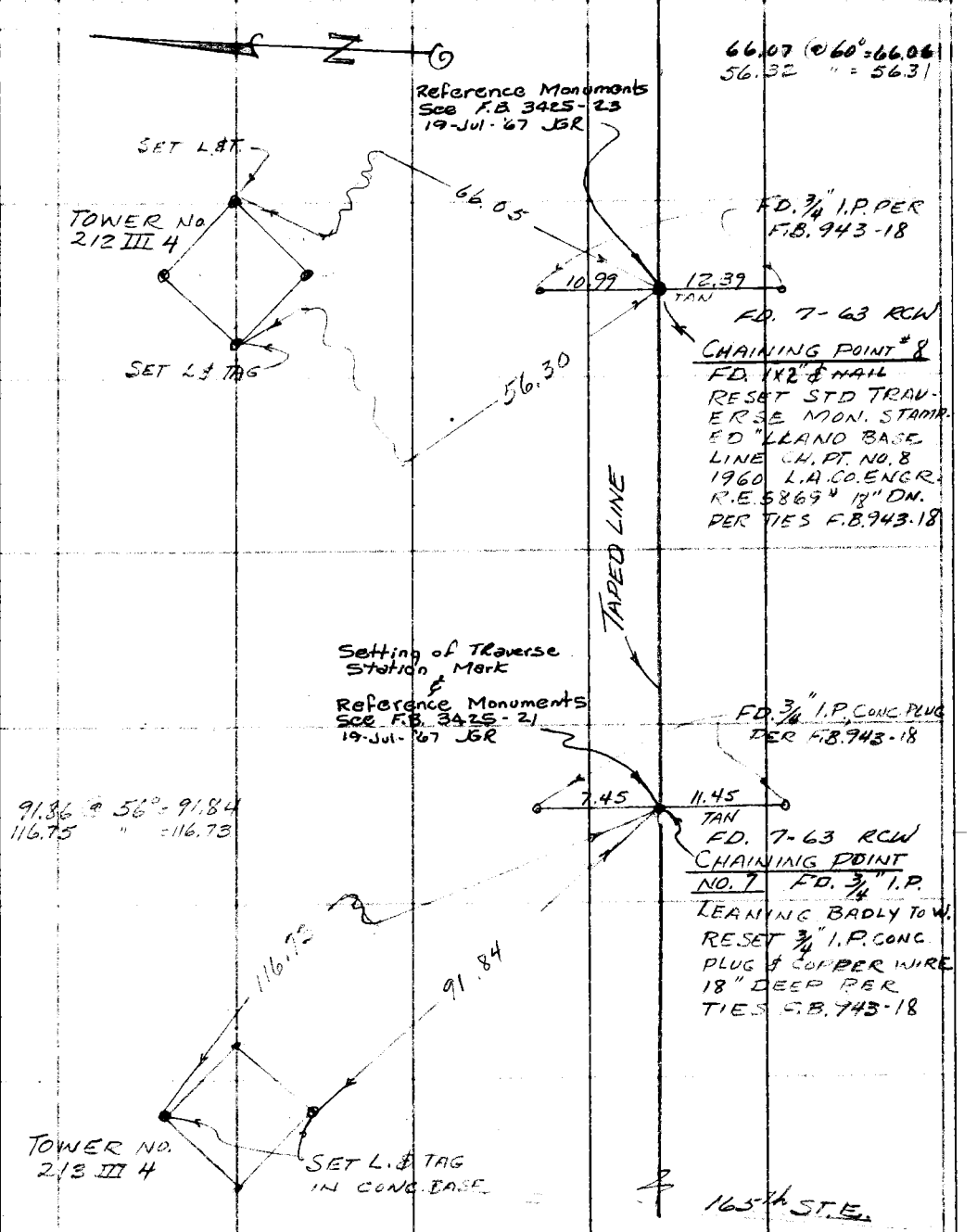
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. #84 St'd. 84 °F
Office Work	Surveyed by C.E. DREIER
Checked	Notes G.E.D. Date 12-15-60
Date	Indexed H. E. Ott

F. B. 942 PG. 75

CONT. TO BOTTOM PAGE 76



CONT. FROM TOP PAGE 74

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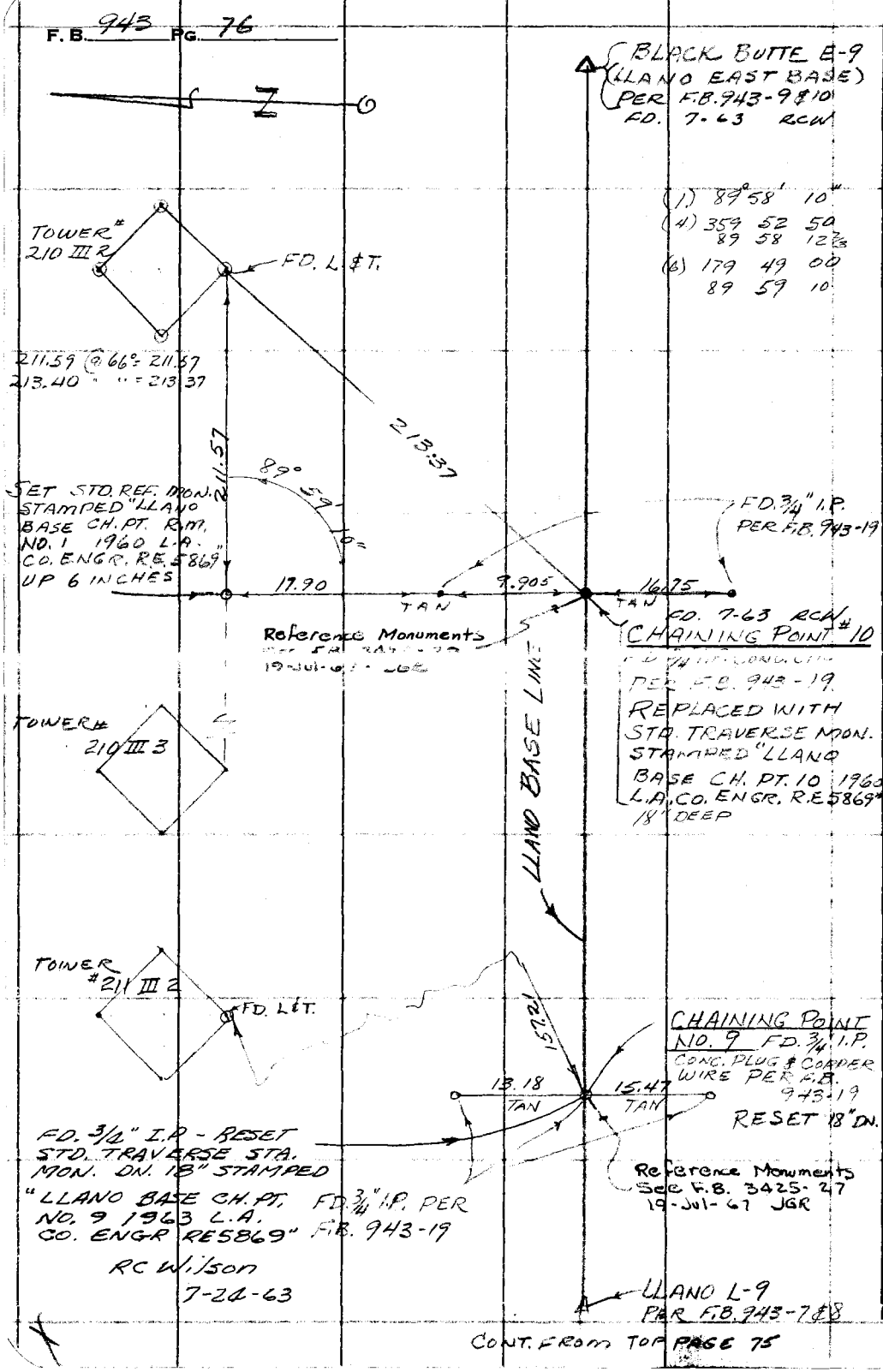
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 943 PG. 76



CONT. FROM TOP PAGE 75

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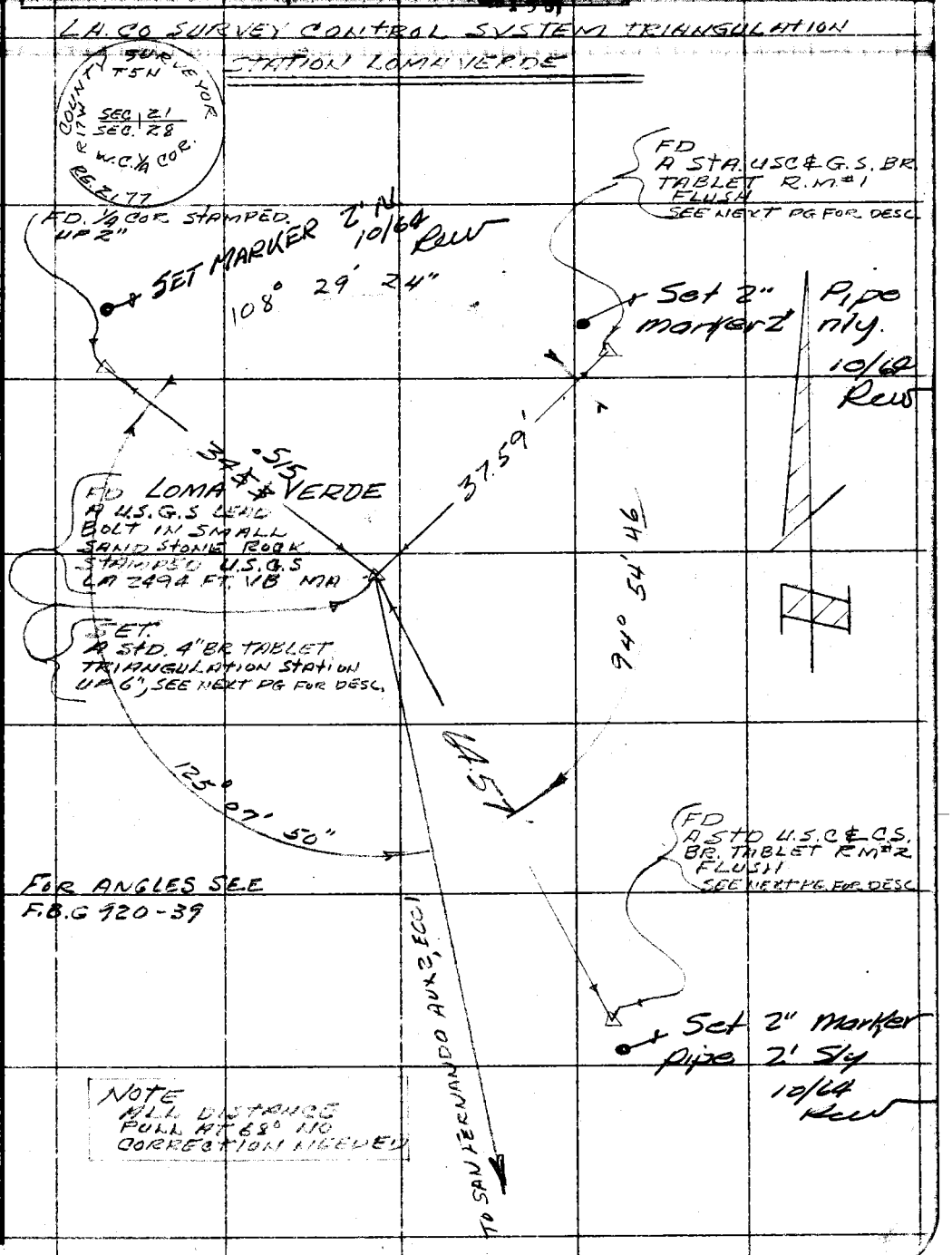
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 0120 Std. 68 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes MOODY Date 1-61
Date	Indexed

F. B. 943 PG. 77

L.A. CO SURVEY CONTROL SYSTEM TRIANGULATION
STATION LOMA VERDE



FOR ANGLES SEE F.B.G 920-39

NOTE
ALL DISTANCE PULL AT 68° 110 CORRECTION NEEDED

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RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

763099 CE #247—7-53

F. B. 943 PG. 78

~ DESCRIPTION ~

LOMA VERDE

THIS STATION IS IN LOS ANGELES COUNTY, 5.5 MI.S N.W. OF CASTAIC JUNCTION, 34.5 FT. S.E OF ¼ COR. T5N, R17W. SEC 21 / 28, TO REACH THIS STATION FROM CASTAIC JUNCTION GO 1.0 MI. N. ON GOLDEN STATE HWY #99 UNTIL YOU SEE WHYSIDE HONOR RANCHO TO THE E., TURN W. ON HASLEY CAN. RD 0.05 MI. THEN S., STAY ON HASLEY CAN. RD 3.4 MI. TO ROMERO CAN., BEAR RIGHT ON MAIN DIRT RD 3.2 MI. TO FORK, BEAR LEFT 1.0 MI. TO HIGHEST POINT OF HILL.

STATION MARK:, SET A STD 4" BR. TABLET MARKED L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION AND STAMPED "LOMA VERDE RESET 1961 LA. CO. ENGR. R.E. 5869." UP 6"

R.M. NO 1 FD. A STD. U.S.C. & G.S. BR. TABLET FLUSH IN ROCK. MARKED U.S. COAST & GEODETIC SURVEY REFERENCE MARK. AND STAMPED LOMA VERDE NO 1 1932.

R.M. NO 2 FD, SAME AS RM. NO. 1 ONLY STAMPED NO 2, UP 6"

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900 LOS ANGELES COUNTY ENGINEERING BLDG.

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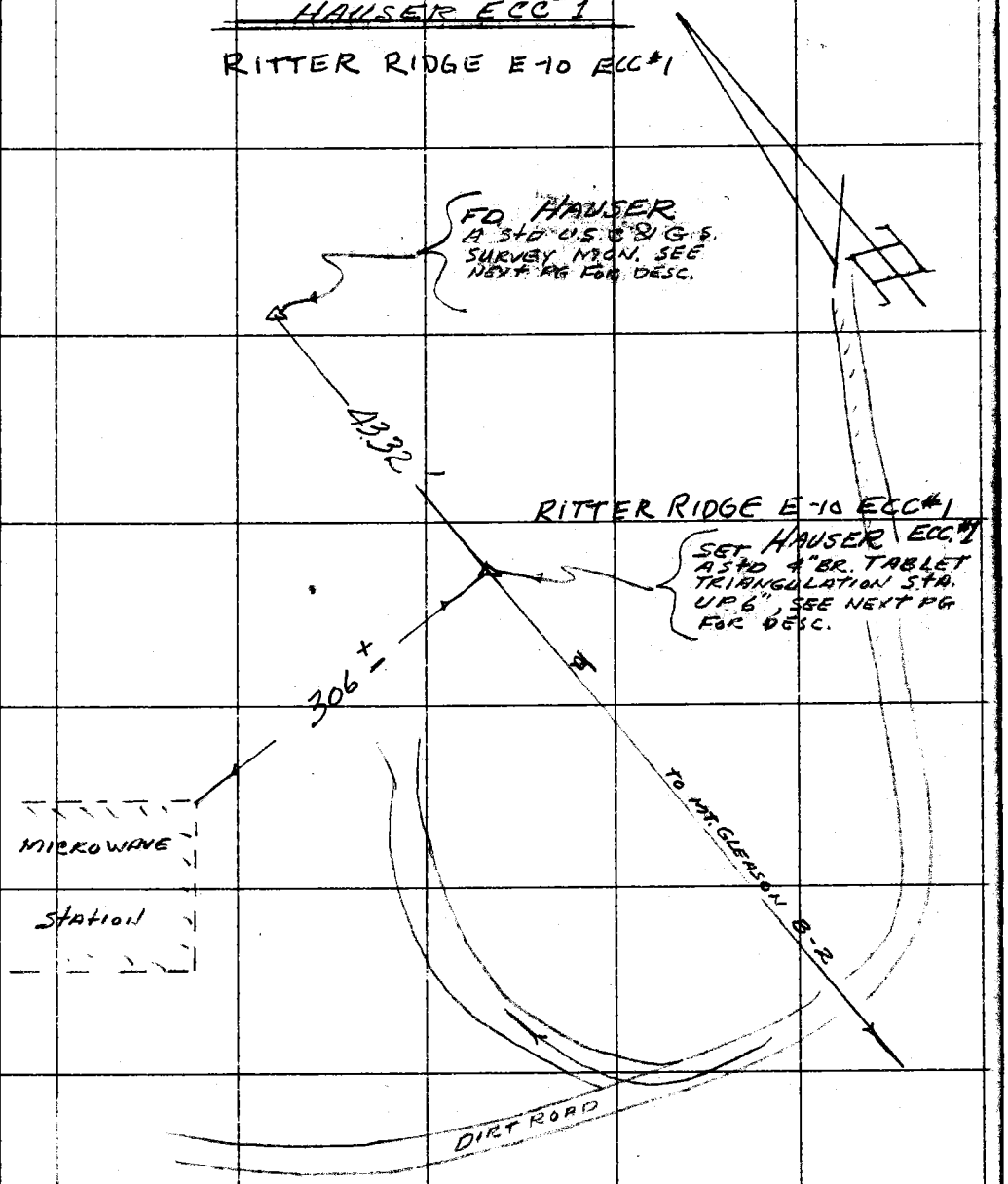
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 6120 Std. 68 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes MOODY Date 2-8-61
Date	Indexed

F. B. 943 PG. 79

L.A. CO. SURVEY CONTROL SYSTEM TRIANGULATION STA.

HAUSER ECC #1



43.32 @ 54° = 43.32

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RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

76309S CE #247 7-53

F. B. 943 PG. 80

~ DESCRIPTION ~

HAUSER ECC #1
RITTER RIDGE E-10 ECC #1

THIS STATION IS IN THE COUNTY OF LOS ANGELES 11 MI'S ± S.W. OF PALMDALE. TO REACH THIS STATION FROM THE TOWN OF PALMDALE, GO 4.8 MI. W'LY FROM HWY #6 ON PALMDALE BLVD, TURN LEFT ON DIRT ROAD TO LOCK IRON GATE, THEN GO 0.7 MI TO FORK IN ROAD AND BEAR LEFT ALONG FENCE LINE TO INTERSECTION OF TWO POWER POLES, BEAR RIGHT ON MAIN DIRT ROAD 1.4 MI. TO 2ND CATTLE CROSSING BEAR LEFT 100'± THEN RIGHT UP CANYON 4.6 MI,S TO TRIANGULATION STATION, 306' ± E'LY OF MICROWAVE STATION.

(HAUSER)
STATION MARK: FD A U.S. COAST & GEODETIC SURVEY STATION AND STAMPED HAUSER, 1938 (IN ROCK UP 6")

(HAUSER ECC 1)
STATION MARK: SET A STD 4" BRASS TABLET MARKED L.A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION AND STAMPED HAUSER ECC #1 L.A. CO. ENGR. R.E. 5869, 1961 UP 6"

RM'S SET: NONE

VOL. 16

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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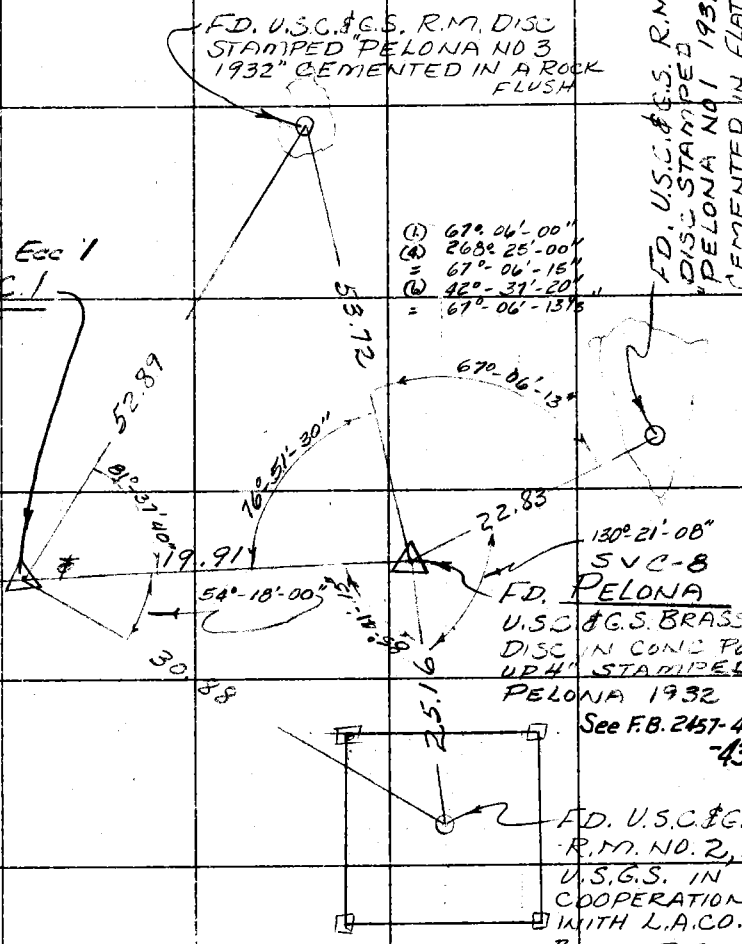
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 0120 Std 68 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes C.E.D. Date 1-11-61
Date	Indexed H.E. OH MAR 1 70

F.B. 943 PG. 81

L.A. CO. SURVEY CONTROL SYSTEM TRIANGULATION STA.

PELONA ECC. 1 = SVC-8 ECC 1



22.83 @ 48° =		22.83
25.16	"	= 25.16
19.91	"	19.91
30.88	"	30.88
52.90	"	52.89
53.73	"	53.72

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RETURN TO
LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247 7-59

F. B. 943 PG. 82

DESC

PELONA ECC.1

THIS STATION IS IN LOS ANGELES COUNTY ABOUT 13 mi. W. AND 1.5 mi. SOUTH OF PALMDALE NEAR THE S.W. COR. OF SEC. 34 T.6N. R.14W.

THE STATION CAN BE REACHED FROM BOUQUET CANYON ROAD AT THE SOUTHEAST SIDE OF BOUQUET RESERVOIR BY TAKING SIERRA PELONA FIRE TRUCK ROAD, (DIRT) ABOUT 6 MILES SOUTH EASTERLY TO THE PELONA LOOKOUT ON THE SUMMIT. STATION IS ABOUT 30 FT N.W. OF THE CENTER OF THE FIRE LOOKOUT TOWER

STATION MARK - SET A STD. TRIANGULATION MON. STAMPED "PELONA ECC.1 1961 L.A.CO. ENGR. R.E.5869" FLUSH

4 inch Br. Disc set in concrete cylinder cast as shown below

R.S.M.

R.M.'S - NONE SET; PULLED DISTANCES TO EXISTING U.S.C.&G.S. R.M.S.

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
SET BY
FOR INFORMATION SEE COUNTY ENGINEER

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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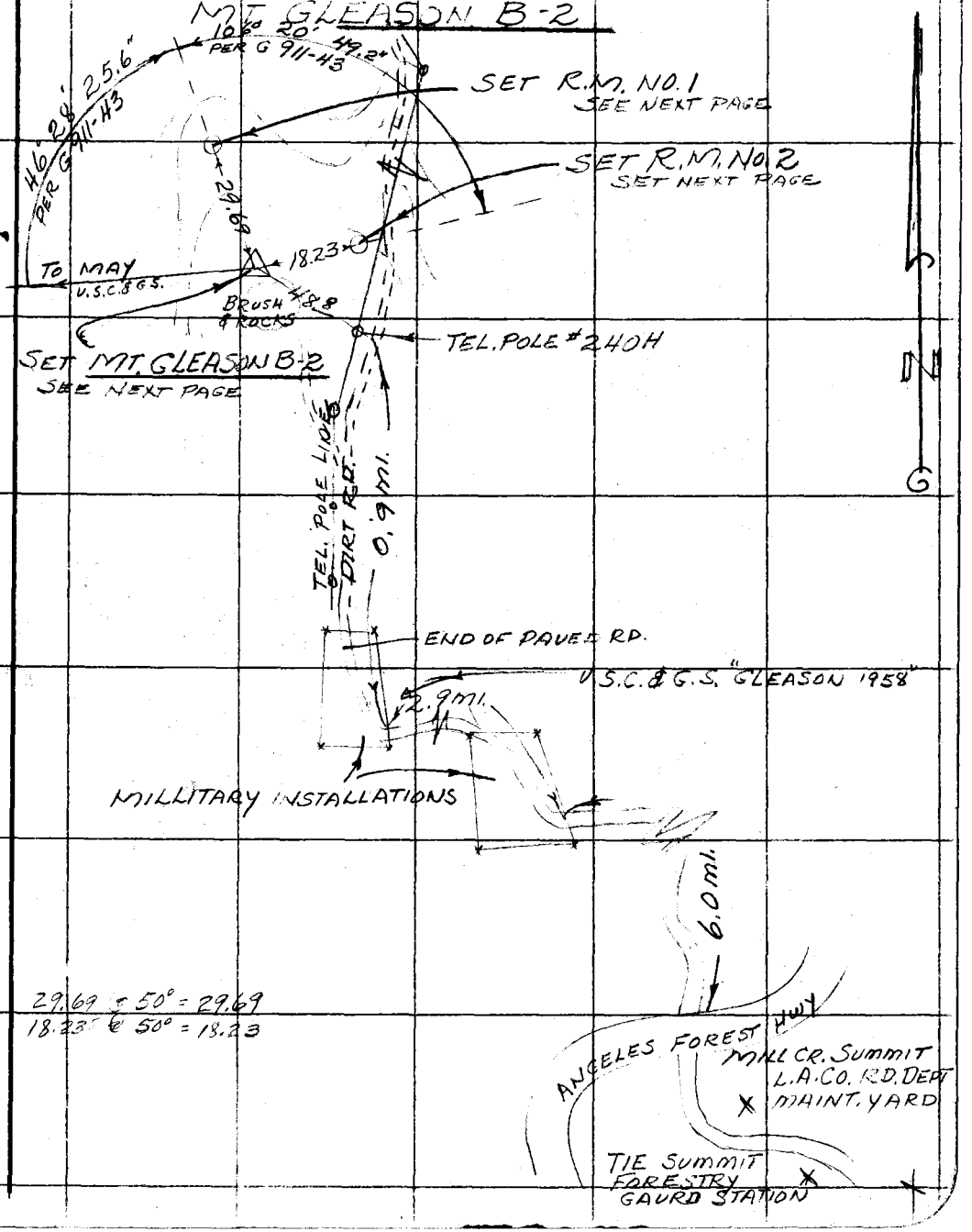
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0501.00 Tape 0120 Std 68 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D Date 2-8-61
Date	Indexed

F. B. 943 PG. 83

L.A. Co. SURVEY CONTROL SYSTEM TRIANGULATION STATION



29.69 ∢ 50° = 29.69
18.23 ∢ 50° = 18.23

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RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247—7-59

F. B. 948 PG. 84

DESC.

MT. GLEASON B-2 (TRI. STATION)

THIS STATION IS IN LOS ANGELES COUNTY ON THE N.W'LY RIDGE OF MT GLEASON 0.9 MI N'LY FROM THE SUMMIT, NEAR THE CENTER OF E. SIDE OF SEC. 31 T4N, R13 W., ON W'LY SIDE OF TELEPHONE POLE LINE AND SERVICE ROAD.

THIS STATION CAN BE REACHED FROM ANGELES FOREST HWY AT MILL CREEK SUMMIT (ALSO KNOWN AS TIE SUMMIT) BY PROCEEDING 6 MI. NORTHERLY AND WESTERLY ON PAVED ROAD TO ~~MILITARY INSTALLATION; OBTAIN CLEARANCE AND~~ CO. FIRE CAMP PROCEED ~~THROUGH MILITARY BASE AND~~ 2.8 MILES WESTERLY TO ~~NEXT MILITARY INSTALLATION~~ THE NEXT SUMMIT OF MT GLEASON. PROCEED ~~THROUGH MILITARY BASE AND~~ DOWN T.T.'S AND DOWN RIDGE 0.9 MI. N'LY ALONG SERVICE ROAD AND TELEPHONE POLE LINE TO STATION WHICH IS LOCATED ON N'LY SIDE OF A BRUSHY ROCK PILE, AT A WELL DEFINED BREAK ON THE RIDGE AT THE 6300± FT CONTOUR

6-10-77 RMC.

STATION MARK: SET A STD. TRIANGULATION DISC STAMPED "MT. GLEASON B-2 1961 L.A.CO. ENGR. R.E 5869" IN A LARGE BURIED GRANITE BOULDER ABOUT 4" ABOVE GROUND.

R.M. NO. 1 SET A STD. REF. DISC STAMPED "MT GLEASON B-2 R.M. NO. 1 1961 L.A. CO. ENGR. R.E. 5869" IN A VERY LARGE GRANITE ROCK ABOUT 3 FT. ABOVE GROUND

R.M. NO 2 SET A STD REF. DISC STAMPED "MT. GLEASON B-2 R.M. NO. 2 1961 L.A. CO. ENGR. RE 5869" IN A ROCK ABOUT 8 INCHES ABOVE GROUND.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by	Survey of
Map No.	JN [illegible] Tape [illegible] Std [illegible] °F
Office Work	Surveyed by
Checked	Notes [illegible] Date [illegible]
Date	Indexed [illegible] J. GALLI NOV 26 '62

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

J.N 050100

GEODETIC CONTROL

[illegible]

CE

[illegible] "WARD" [illegible]

[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.

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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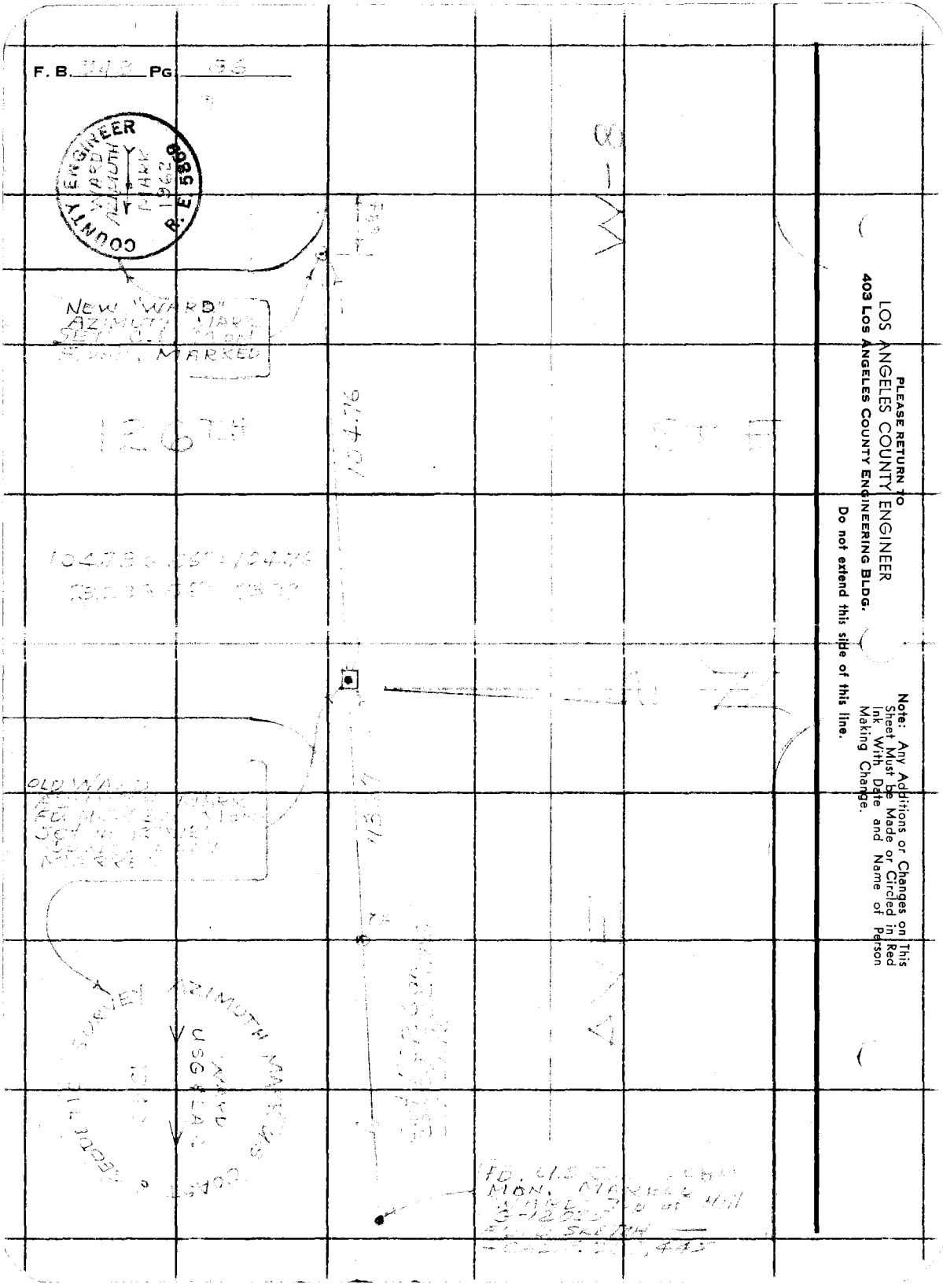
76F309S CE # 310 3-61

F. B. 342 PG. 86



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

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NOTES RED. JOB NO 0301.00 SURVEY OF Geodetic Cont

DATE SURVEY BY AC Guizado

NOTES CHKD. NOTES BY ACG DATE 3-27-63

DATE INDEXED C. J. GALLI DATE APR 1 63

F. B. 943 PG. 77

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

76S420 S & E-353 9-55

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						JOB NO 030100
						GEODETIC CONTROL
						BENCH LEVELS TO
						RM #1 (0+00 LLANO BASELINE) RM #2
						& Δ STA. LITTLE ROCK H-11 &
						ALSO TO Channing Point #6
						MAR. 26-27, 1963
						ch. Guizado A.C.
						⊼ Smith RD
						⊙ Glidden
						⊙ Guizado G.O.

769420 S & E-353 9-55

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

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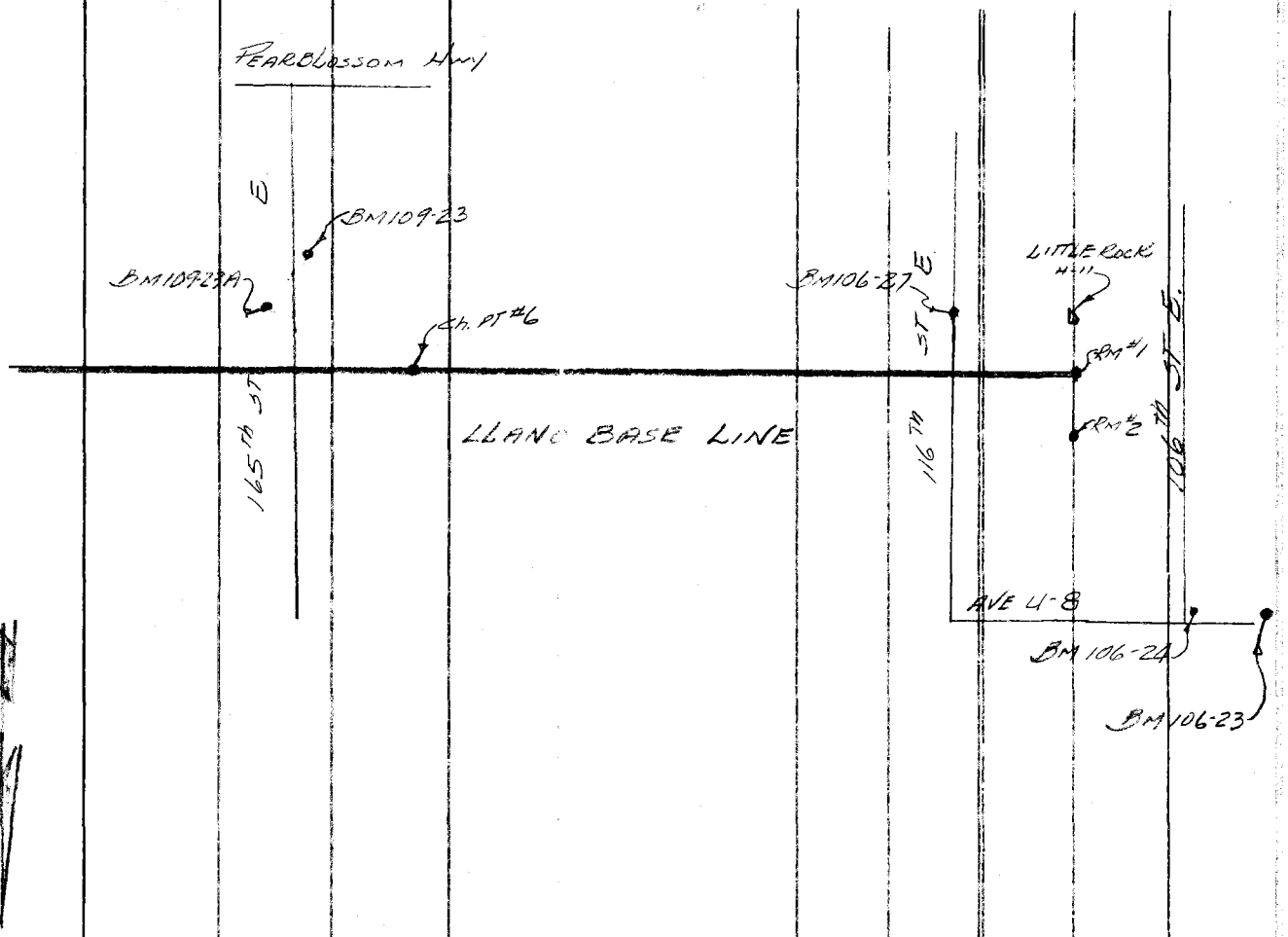
B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION



JOB NO. 0301.00 SURVEY OF Geodetic Cont NOTES RED.
SURVEY BY ACG DATE 3-27-63 NOTES CHKD.
NOTES BY ACG DATE
INDEXED R. J. GALLI DATE

F. B. 925 PG. 88

76S420 S & E-353 9-55

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

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd 106-23	2953.869				2953.869	BM 106-23 1960 LA Co Adj Elev 2953.869
+	4.087		4.190			Pearblossom Hwy #138 & 0.55 mi E.
π	2957.956	-1.468	-1.470			of 96th St. E
−	5.555		5.660			See FB 2418-30 for Desc
TP	2952.401					
+	5.174		5.278			
π	2957.575	+0.740	+0.736			
−	4.434		4.542			
TP	2953.141					
+	4.840		4.916			
π	2957.981	-0.182	-0.185			π = RD Smith
−	5.022		5.101			Zeiss Level # 18151
TP	2952.959					Lovac Rods # 758
+	4.719		4.798			
π	2957.678	+0.002	-0.002			
−	4.717		4.800			"WINDY"
TP	2952.961					
+	4.954		4.905	4.991		
π	2957.915	+1.544	(+1.529) R	+1.543		
−	3.410		3.376	3.448		
TP	2954.505					
+	5.359		5.313			
π	2959.864	+1.851	+1.848			
−	3.508		3.465			
TP	2956.356					
+	4.920		4.768	4.860		
π	2961.276	+2.240	+2.233	+2.237		
−	2.680		2.535	2.623		
TP	2958.596					

NOTES RED ____ JOB NO. [illegible] SURVEY OF ____
DATE ____ SURVEY BY [illegible]
NOTES CHKD. [illegible] NOTES BY [illegible] DATE 3/28/63
DATE 4/2/63 INDEXED C. J. GALLI DATE ____

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

76S420 S & E-353 9-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.00 SURVEY OF Geodetic Control NOTES RED. ____
SURVEY BY A. C. Gallardo DATE 3/26/63 NOTES CHKD. WT
NOTES BY ACG DATE ____ DATE 4/4/63
INDEXED C. J. GALLI DATE ____

F. B. 743 PG. 90

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	2958.596					
+	5.060		5051			
π	2963.656	+1.532	+1.531			
π	3 528		3.520			
TP	2960.128					
+	5693		5760			
π	2965.821	+3.355	+3.355			
−	2338		2405			
rd 706-24	2963.483					
+	6840		6867			
π	2970.323	+5.531	+5.530			
−	1309		1.337			
TP	2969.014					
+	7852		7947			
π	2976.866	+6.358	+6.354			
−	1494		1.593			
TP	2975.372					
+	8165		8223	7872		
π	2983.537	+7.030	+7.023	+7.028		
−	1.135		1.200	0844		
TP	2982.402					
+	7820		7951			
π	2990.222	+6954	+6.950			
−	0.866		1001			
TP	2989.356					
+	8.049		8005			
π	2997405	+7304	+7.300			
−	0.745		0.705			
TP	2996.660					

2963.478 BM 706-24 (USGS L.S. 23 1929) 2963.478 ✓ (60 adj. elev.)
Pearblossom Hwy 1.28 S 106 feet E.
NW cor. See FB 3418-31 for desc.

769420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	2996.660					
+	7232		7182	7327		
π	3003.892	+5881	+5875	+5882		
−	1.351		1.307	1445		
TP	3002.541					π= R D SMITH
+	8150		8086			ZEISS LEVEL # 16151
π	3010.691	+6830	+6826			LOVAR RODS # 768
−	1.320		1260			
TP	3009.371					"WINDY"
+	8387		8482	8455		
π	3017.758	+7307	+7302	+7309		
−	1.080		1.180	1.146		
TP	3016.678					
+	6712		7735	7804		
π	3023.390	+6041	+6036	6044		
−	0.671		1699	1.760		
TP	3022.719					
+	8.088		8042			
π	3030.807	+6422	+6422			
−	1.666		1.620			
TP	3029.141					
+	8097		8134			
π	3037.238	+6944	+6942			
−	1.153		1.192			
TP	3036.085					
+	7907		7989			
π	3043.992	+5217	+5214			
−	3.690		2.775			
TP	3041.302					

NOTES RED _____ JOB NO. 12/100 SURVEY OF Geneth Cooper
DATE _____ SURVEY BY _____
NOTES CHKD. _____ NOTES BY ACG DATE 2-26-63
DATE 4/2/63 INDEXED C. J. GALL DATE _____ DATE _____

F. B. 243 PG. 21

76S420 S & E-353 9-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	3041.302					
+	5.145		5.131	5.267		
⊼	3046.447	+1.200	(+1.191)	+1.200		
−	3.945		3.940	4.067		
TP	3042.502					
+	6.610		6.700			
⊼	3049.112	+4.880	+4.875			
−	1.730		1.825			
TP	3047.382					
+	6.742		6.755			
⊼	3054.124	+1.927	+1.925			
−	4.815		4.830			
Fd RM #1	3049.309				3049.293	RM #1 (Little Rock H-11) LLANO West BASE, AVE V & 0.15 MI E. OF 106th ST E. A STD Co. Surv. Cont. sys. RM. in CTR of Dirt Rd 3" BELOW SURFACE SEE FB 943-6, 12, 72
+	5.813		5.771			
⊼	3055.122	+1.271	+1.271			
−	4.542		4.500			
Fd RM #2	3050.580				3050.565	RM #2 (Little Rock H-11) LLANO WEST BASE AVE V & 0.15 MI E OF 106th ST E A STD Co Surv. Cont sys RM, so SIDE OF DIRT Rd 4" ABOVE SURFACE SEE FB 943-6, 12, 72
+	4.430		4.473			
⊼	3055.010	+1.332	+1.331			
−	3.098		3.142			
Fd Δ STA	3051.912				3051.897	TRIANGULATION STATION (Little Rock H-11) LLANO WEST BASE AVE V & 0.15 MI E OF 106th ST E. Fd A STD C.S Cont sys. MON. 4" above SURFACE SEE FB 943-6, 12, 72
+	1.122		1.084			
⊼	3053.034	−6.748	−6.748			
−	7.870		7.832			
TP	3045.164					

JOB NO. 030100 SURVEY OF Geodetic Control NOTES RED.
SURVEY BY A C Guizado DATE
NOTES BY ACG DATE 3-26-63 NOTES CHKD [illegible] DATE 4/2/63
INDEXED E. J. GALLI DATE

F. B. 943 PG. 92

76S420 S & E-353 9-55

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

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	3045.164					
+	5.303		5.245			
π	3050.467	-1.962	-1.965			
−	7.265		7.210			
π	3043.202					
+	2.250		2.224	2.328		
π	3045.452	+0.175	(+0.167)	+0.176		π = RD Smith
−	2.075		2.057	2.152		Zeiss Level - # 18151
TP	3043.377					Lorne Rod # 788
+	5.972		5.932			
π	3049.349	+0.587	+0.582			"Windy"
−	5.385		5.350			
TP	3043.964					
+	3.823		3.803			
π	3047.787	-4.657	-4.659			
−	8.480		8.462			
TP	3039.307					
+	7.007		6.940			
π	3046.314	-0.346	-0.350			
−	7.353		7.290			
TP	3038.961					
+	3.335		3.368			
π	3042.296	+1.012	+1.010			
−	2.323		2.358			
TP	3039.973					
+	3.875		3.903			
π	3043.848	-3.092	-3.094			
−	6.967		6.997			
TP	3036.881					

NOTES RED. ____ JOB NO. 0301.00 SURVEY OF Geodetic Control
DATE ____ SURVEY BY [illegible]
NOTES CHKD. [illegible] NOTES BY ACG DATE 3/26/63
DATE 4/2/63 INDEXED E. J. GALLI DATE

F. B. [illegible] PG. 92

76S420 S & E-353 9-55

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	3036.881					
+	3.103		3078			
⊼	3039.984	-3.350	-3.355			
−	6.453		6.433			
TP	3033.531					
+	4.420		4.450			
⊼	3037.951	-1.030	-1.034			
−	5.450		5.484			
TP	3032.501					Hwy #138 & Ave "V"
+	3.803		3.844			
⊼	3036.304	-3.960	-3.961			
−	7.763		7.805			
TP	3028.541					
+	3.720		3.745			
⊼	3032.261	-3.765	-3.770			
−	7.485		7.515			
TP	3024.776					
+	1.452		1.484			
⊼	3026.228	-5.232	-5.236			
−	6.684		6.720			
TP	3019.544					
+	2.335		2.278			
⊼	3021.879	-5.448	-5.452			
−	7.783		7.730			
TP	3014.096					
+	2.008		2.060			
⊼	3016.104	-3.615	-3.614			
−	5.623		5.674			
TP	3010.481					
	3010.435					

JOB NO. 030100 SURVEY OF Geodetic Control NOTES RED.
SURVEY BY AC Guizado DATE
NOTES BY ACG DATE 3-26-63 NOTES CHKD [illegible] DATE 4/2/63
INDEXED C. J. GALLI DATE

F. B. 943 PG. 94

76S420 S & E-353 9-55

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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
TP	3010.481					
+	3215		3275			
⊼	3013696	-2.509	-2510			
−	5724		5785			
TP	3007.972					
+	2725		2.778	2.880		
⊼	3010697	-2.813	-2.819	-2.815		⊼ = R.D. Smith
−	5538		5597	5695		Zeiss Level # 1815
TP	3005.159					Lovar Rods # 7&8
+	2.775		2795			
⊼	3007.934	-3.595	-3.598			
−	6.370		6393			"Windy"
TP	3001.564					
+	2780		2.807			
⊼	3004344	+0.072	+0.069			
−	2708		2.738			
TP	3001.636					
+	8.038		8.065			
⊼	3009.674	+6.478	+6475			
−	1560		1.590			
TP	3008.114					
+	7704		7744			
⊼	3015.818	+5.023	+5023			
−	2681		2.721			
TP	3013.137					DM 106-27 (USC&GS J-306 1935) A60 Adj El 3019.49
+	7.140		7189			116th ST.E & 0.55 MI So. of AVE U-8
⊼	3020277	+6.385	+6.383			See FB 2418-34 for Desc
−	0755		0806			
106-27	3019.522				3019.493	

NOTES RED ____ JOB NO. R301-00 SURVEY OF Geometric Cont
DATE ____ SURVEY BY ____
NOTES CHKD. [signature] NOTES BY ACG DATE 3-26-63
DATE 4/2/63 INDEXED E. J. GALLI DATE

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

F. B. 943 PG. 96

JOB NO. _____ SURVEY OF _____ NOTES RED. _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES CHKD. _____

INDEXED E. J. GALLI DATE _____ DATE 4/2/63

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

765420 S & E-353-9-55

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76S420 S & E-353 9-55

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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
109-23	3046 530				3046.530	BM109-23 1960 adj ELEV=3046.530
+	2 443		2 560			165th ST E, & 4° MI S. OF PALMDALE
π	3048 973	-5694	-5.691			BLVD 126° NW¼ OF ¼ COR SEC 16/17 T5N R9
−	8137		8.251			SEE FB 2844-29 FOR DESC
TP	3040 836					
+	2937		2 860			BM109-23A (RD DEPT BM) 1960 adj ELEV=3037.635
π	3043 773	-3.203	-3.203			165th ST E & 4° MI S OF PALMDALE BLVD
−	6140		6.063			516° N OF ¼ COR SEC 16/17 T5N R9W
109-23 A	3037 633				3037.635	SEE FB 2844-29 FOR DESC
+	4687		4.812			
π	3042 320	-1.493	-1491			
−	6180		6303			
TP	3036 140					
+	5465		5560			
π	3041 605	+1.620	+1.617			
−	3845		3.943			
TP	3037.760					
+	3.754		3791			
π	3041 514	-0.660	-0.662			
−	4414		4.453			
TP	3037 100					
+	6 433		6491			
π	3043 533	+0.560	+0 561			
−	5873		5.930			
TP	3037 660					
+	3 355		3.435			
π	3041 015	-1.655	-1.656			
−	5010		5.091			
TP	3036 005					

T - RD Smith
Seiss LEVEL #18151
Rod-Lovar 7 & 8

calm & overcast

NOTES RED ____ JOB NO. 0301.00 SURVEY OF Geodetic Control
DATE ____ SURVEY BY [illegible]
NOTES CHKD. [illegible] NOTES BY RCG DATE 3-27-63
DATE 4/2/63 INDEXED G. J. GALLI DATE ____

F. B. 2[illegible] PG. 77

76S420 S & E-353 9-55

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JOB NO. 0301 00 SURVEY OF Geodetic Control NOTES RED.
SURVEY BY H.C. GUIZADO DATE
NOTES BY ACG DATE 3-27-63 NOTES CHKD. [illegible] DATE 4/2/63
INDEXED C. J. GALL DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	3036.005					
+	7250		7290			
⊼	3043.255	+1.730	+1.730			
−	5520		5560			
TP	3037.735					
+	4.910		4940			
⊼	3042.645	+0.923	+0.920			
−	3987		4020			
TP	3038.658					
+	4.192		4233			
⊼	3042.850	+0.240	+0.239			
−	3952		3994			
TP	3038.898					
+	4.263		4310			
⊼	3043.161	+0.970	+0.970			
−	3.293		3340			
TP	3039.868					
+	5284		5211			
⊼	3045.152	−2.151	−2.152			
−	7435		7363			
Fd C P #6	3037.717				3037.717	CHAINING Point #6 LLANO BASE LINE
+	7520		7534	7350		DIRT SERVICE Rd FOR City of L.A.
⊼	3045.237	+2.065	+2.059	+2.065		TRANSMISSION LINE E 0.5 MI W. OF
−	5455		5475	5285		165TH ST E. Fd A STD CE TRAV. MON
TP	3039.782					18" BELOW SURFACE
+	3686		3714			SEE FB 943-17,74
⊼	3043.468	−0.584	−0.586			
−	4270		4300			
TP	3039.198					

F. B. 943 PG. 98

76S420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	3039.198					
+	3690		3673			
π	3042.888	-0.893	-0.893			
−	4583		4566			
TP	3038.305					π = R.D. Smith
+	4436		4482			Zeiss Level #18151
π	3042.741	-0.552	-0.550			Lovar Rods #758
−	4988		5032			
TP	3037.753					
+	5.370		5.420			
π	3043.123	-0.654	-0.655			
−	6.024		6075			"Shaft Windy"
TP	3037.099					
+	3.574		3616			
π	3040.673	-0.536	-0.537			
−	4110		4153			
TP	3036.563					
+	6.957		6.980			
π	3043.520	+0.922	+0.920			
−	6.035		6.060			
TP	3037.485					
+	4.265		4247	4.264		
π	3041.750	+0.175	+0.172	+0.176		
−	4090		4075	4088		
TP	3037.660					
+	4.050		4103			
π	3041.710	-1.902	-1.904			
−	5.952		6007			
TP	3035.758					

NOTES RED ____ JOB NO. R30100 SURVEY OF Geodetic Control
DATE ____ SURVEY BY H C Guzman
NOTES CHKD. [illegible] NOTES BY HCG DATE 3/27/63
DATE 4/2/63 INDEXED C. J. GARI DATE ____

F. B. 26 PG. 99

76S420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	3035.758					
+	5.643		5.687	5.664		
π	3041.401	+1.883	+1.877	+1.880		
−	3.760		3.810	3.784		
109-23A	3037.641				3037.635	BM 109-23A (BD DEPT BM) AGO Adj ELEV = 3037.635 ✓ 165th ST E & 4th mi So of Palmdale Blvd SEE PB 2844-29 FOR DESC

JOB NO. 0301.00 SURVEY OF Generic Cont

SURVEY BY _____ DATE _____ NOTES RED. _____

NOTES BY _____ DATE _____ NOTES CHKD. [illegible]

INDEXED C. J. GALLI DATE _____ DATE 4/2/63

F. B. 943 PG. 100

Notes Ck'd by	Survey of Geodetic Cont.
Map No.	JN Tape Std °F
Office Work	Surveyed by
Checked	Notes RC Wilson 7-63 Date
Date	Indexed C. J. GALLI OCT 1 '69

F. B. 943 PG. 101

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L. A. COUNTY SURVEY CONTROL

JN 0301.00

LLANO BASE LINE MONUMENTS

DIFFERENCE IN ELEVATION
OF OLD & NEW MONUMENTS

CP # 1

" # 3

" # 5

" # 9

RC Wilson
Bazen
Wilks
Mather
Rodriguez BR

76F309S CE # 310 3-61

F. B. 913 PG. 102

Ch.	Pt. #1	Traverse Mon. 0.17' Higher
Ch.	Pt. #3	Traverse Mon. 0.51' Higher
Ch.	Pt. #5	¾" I.P. out and mon. reset by ties. No Diff. Recorded.
Ch.	Pt. #9	Traverse Mon. 0.34' Higher

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 0141 Std 84 °F
Office Work	Surveyed by A. C. GUIDADO
Checked	Notes J. BAZEN Date 7/2/63
Date	Indexed J. GALLI

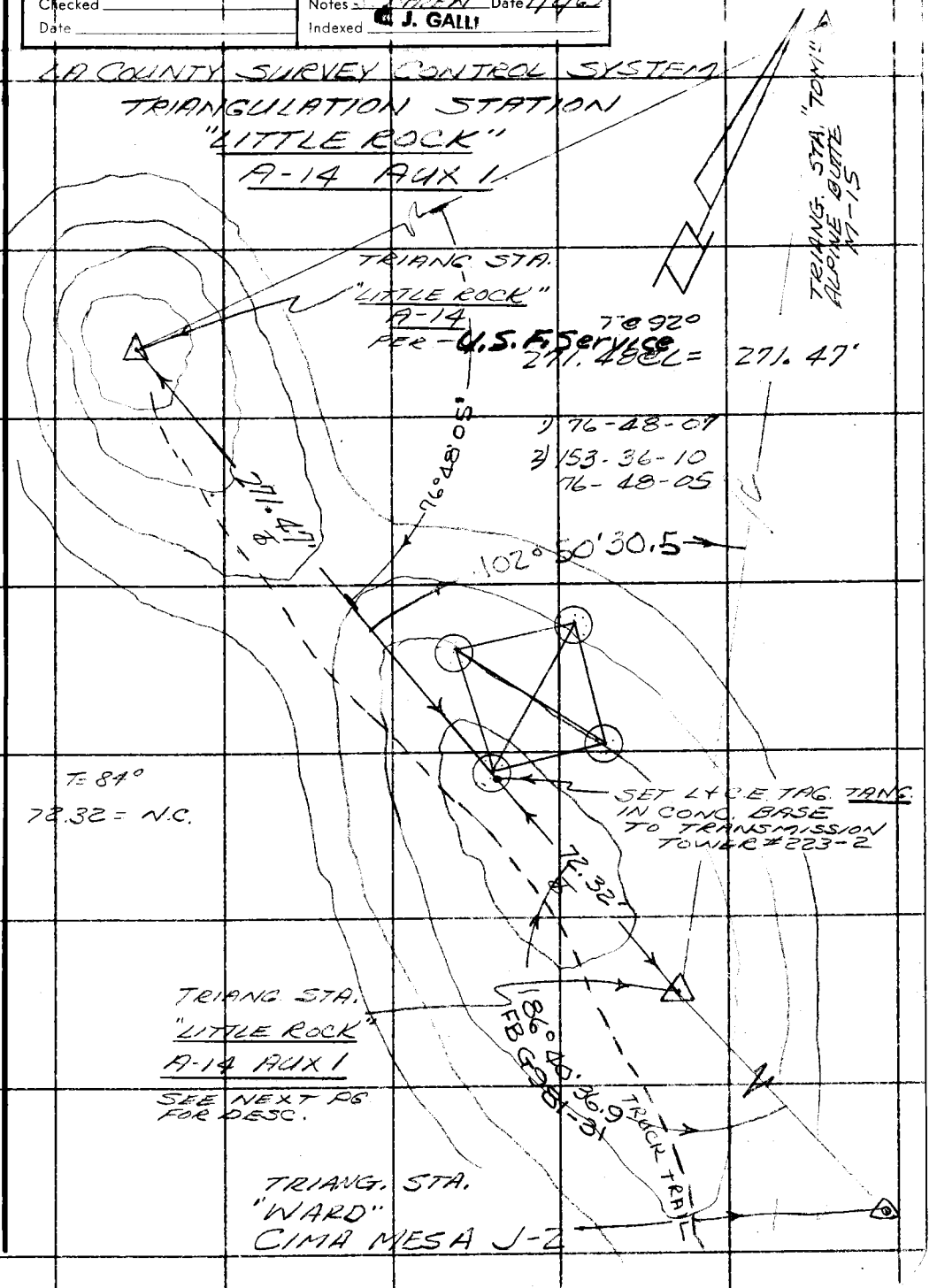
F. B. 943 PG. 103

LA COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

"LITTLE ROCK"

A-14 AUX 1



Noted on Gen. Index Card
Plat U.S.G.S. Quad. Shts.
Plat on Sec. D. W.S.N.
Sketch on Gen. Desc. Card

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

F. B. 943 PG 104

L.A COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

"LITTLE ROCK A-14 AUX 1"

THIS STATION IS IN THE COUNTY OF LOS ANGELES (R11W/T5N) AND ON A RIDGE NEAR HIGH POWER TRANSMISSION LINE ONE MILE ± S.W. OF THE CITY OF LITTLEROCK

THIS STATION CAN BE REACHED BY TRAVELING S'LY ON 77TH ST. E FROM PEARBLOSSOM HWY. 0.9 MI. TO EDISON SERVICE RD, THEN W'LY 0.4 MI. TO STATION. THE STATION IS PROTECTED BY A STD. CO. ENG'R YELLOW MARKER PIPE 2 FT. S.W'LY.

STATION MARK:

SET A STD. 4" BRASS CAP TRIANG STA. MON. IN CONC. 6" ABOVE GRD. & STAMPED "LITTLE ROCK A-14 AUX 1, 1963, R.E. 5869.

REFERENCE MARKS:

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403 Los Angeles County Engineering Bldg.
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Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by A C Guizado
Checked	Notes ACG Date 5-63
Date	Indexed C. J. GALLI

F. B. 943 PG. 105

L.A COUNTY SURVEY
CONTROL SYSTEM

JOB NO. 0301.00

TRAVERSE STATIONS IN
ANTELOPE VALLEY
LITTLE ROCK QUAD.

GEODIMETERED
DISTANCES

GUIZADO	WILSON	DREIER
WILKS	BAZEN	MOODY
GLIDDEN	MATHER	SMITH N.
LYBRAND	RODRIGUEZ	WORKMAN
GUIZAD GO	McKNIGHT	

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S CE #310 6-62

F. B. 943 PG. 106

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"	"	D-7	"	115
"	"	F-7	"	117
"	"	H-7	"	119
"	"	J-7	"	121
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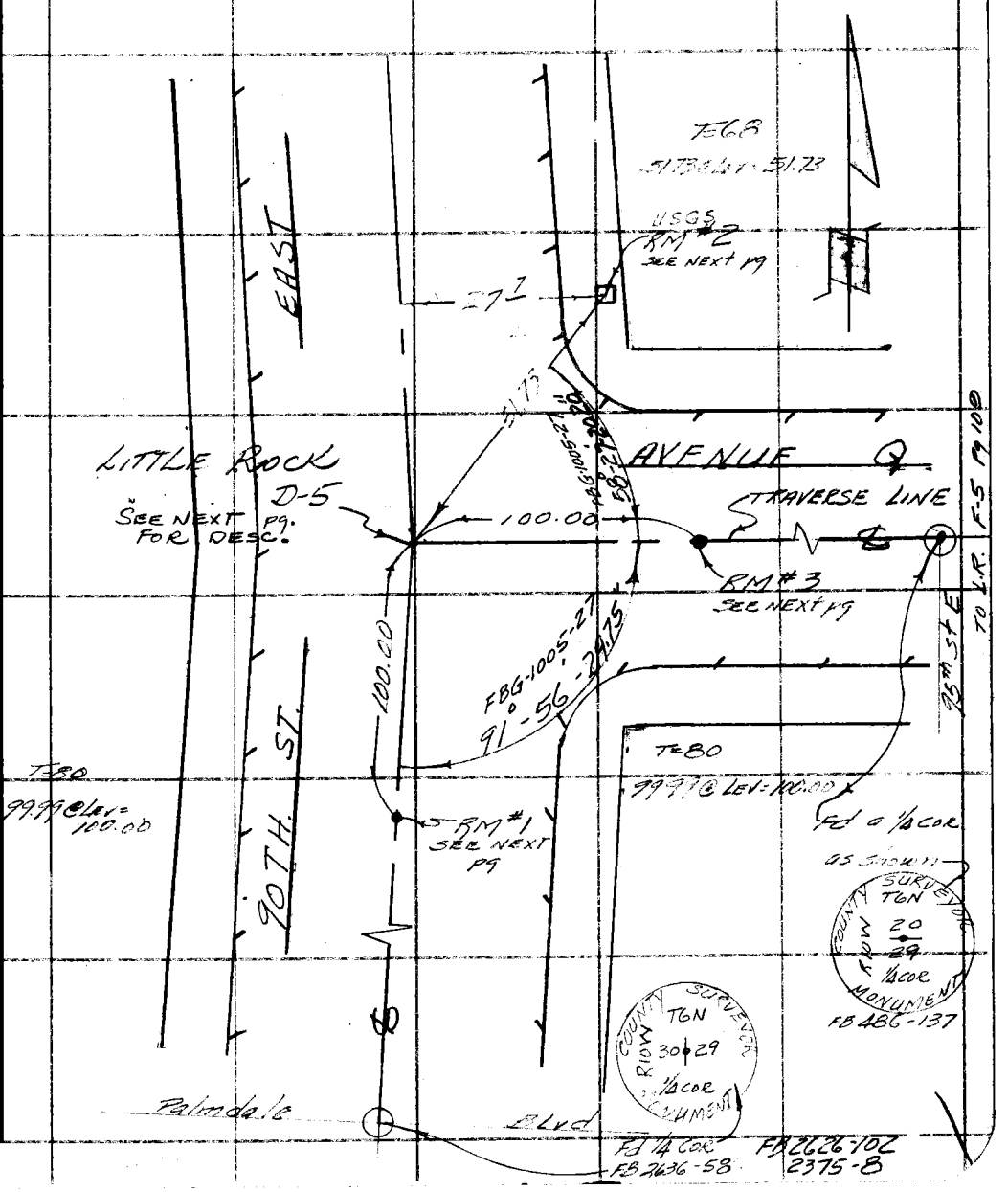
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0173 Std 68 °F
Office Work (Ak)	Surveyed by A.C.Guizado
Checked	Notes R.D.G. Date 5-63
Date	Indexed C.J. GAIN

F. B. 748 PG. 1[illegible]

L. A. Co. Survey Control System

LITTLE ROCK D-5



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76F309S CE #310 6-62

F. B. 943 PG 103

TRAVERSE STATION

LITTLE ROCK D-5

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 10 MILES EASTERLY OF THE CITY OF PALMDALE.

THIS MONUMENT IS THE ℄ INTERSECTION OF 90th ST E & AVE Q

STATION MARK: FOUND A 2" IRON PIPE SET IN CONCRETE 18" BELOW SURFACE WITH BRASS CAP MARKED UNDER CAST IRON COVER.

SURVEYOR COUNTY OF LOS ANGELES T6N 19/20 30/29 MONUMENT

SEE CS 8732
F.B. 1874-176

REFERENCE MARK #1: SET A STANDARD 4" brass TABLET & 2" DIAM PIPE, PRECAST, 18" below THE GROUND & IS stamped "LITTLE ROCK D-5 RM #1 L.A. CO. ENGR. 5863, 1963" UNDER CAST IRON COVER ON ℄ to SOUTH
(BM 107-10 FB 2840-18)

REFERENCE MARK #2: Fd a USGS brass tablet set in a 6x6 inch concrete post MK'd as shown. IT is 6" above ground

U.S. GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY ENGINEER ELEVATION ABOVE SEA LEVEL 50 FEET LS30 1929 250 DOLLARS FINE FOR DISTURBING THIS MARK

REFERENCE MARK #3: Same as RM #1 except MK'd RM #3 & is 12" below dirt Road, on ℄ to East, & ON TRAVERSE LINE TO LITTLE ROCK F-5

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Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0173 Std 68° °F
Office Work GWW	Surveyed by A.C. Guizado
Checked	Notes R.D.G. Date 5-63
Date	Indexed E. J. GALI

F. B. 943 PG. 109

L. A. Co. Survey Control System

TO LR H-5 pg 111

LITTLE ROCK F-5

Fd 1/4 COR

SURVEYOR T6N 21 28 1/4 COR MONUMENT COUNTY R10W

CS 8733
FB2626-154

TRAVERSE LINE

RM #2 SEE NEXT pg

Fd 2" IP conc plug nail & LA Co ENGR tag 6" up NO REF

DIRT ROAD

44°-59'-37.85"

56.58

100.00

FOR WILD T-3 ANGLES SEE FB G-1005 pg 43, 44

LITTLE ROCK F-5 SEE NEXT pg FOR DESC.

SECTION LINE 2

90.00

100th ST

RM #1 SEE NEXT pg

Fd 1/4 COR FB 486-136 (under cast IRON COVER)

FB2626-100

Palmdale Blvd

4' WIRE FENCE

56.54

DIRT ROAD

AVENUE

1° MILE TO 90th ST. E.

Fd 2" IP conc plug nail & LA Co ENGR tag 6" up

T=68

all measurements at STD. TEMP. No corr.

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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403 LOS ANGELES COUNTY ENGINEERING BLDG.

B-2

WS66

76F309S CE #310 6-62

F. B. 943 PG. 110

TRAVERSE STATION

LITTLE ROCK, F-5

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 11 MILES EASTERLY OF THE CITY OF PALMDALE.

STATION MARK: FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN IT IS THE ℄ of AVENUE TQ'T EAST AND IS 1 MILE EAST OF 90th STREET EAST.

COUNTY ENGINEER SURVEYOR
T6N
20 21
29 28
1925
MONUMENT
R.F.

dn 12"

SEE CS 8732
FB 486 - 136
2626 - 100

REFERENCE MARK #1

SET A 2" IP & TO 4" RM BRASS TABLET STAMPED "LITTLE ROCK F-5 RM#1 LA CO ENGR. 1963 RE 5869" dn 20" along SECTION LINE TO SOUTH

REFERENCE MARK #2

SAME AS RM#1 EXCEPT stamped "RM#2 & ON ℄ to EAST. ALSO TRAVERSE LINE TO LR H-5

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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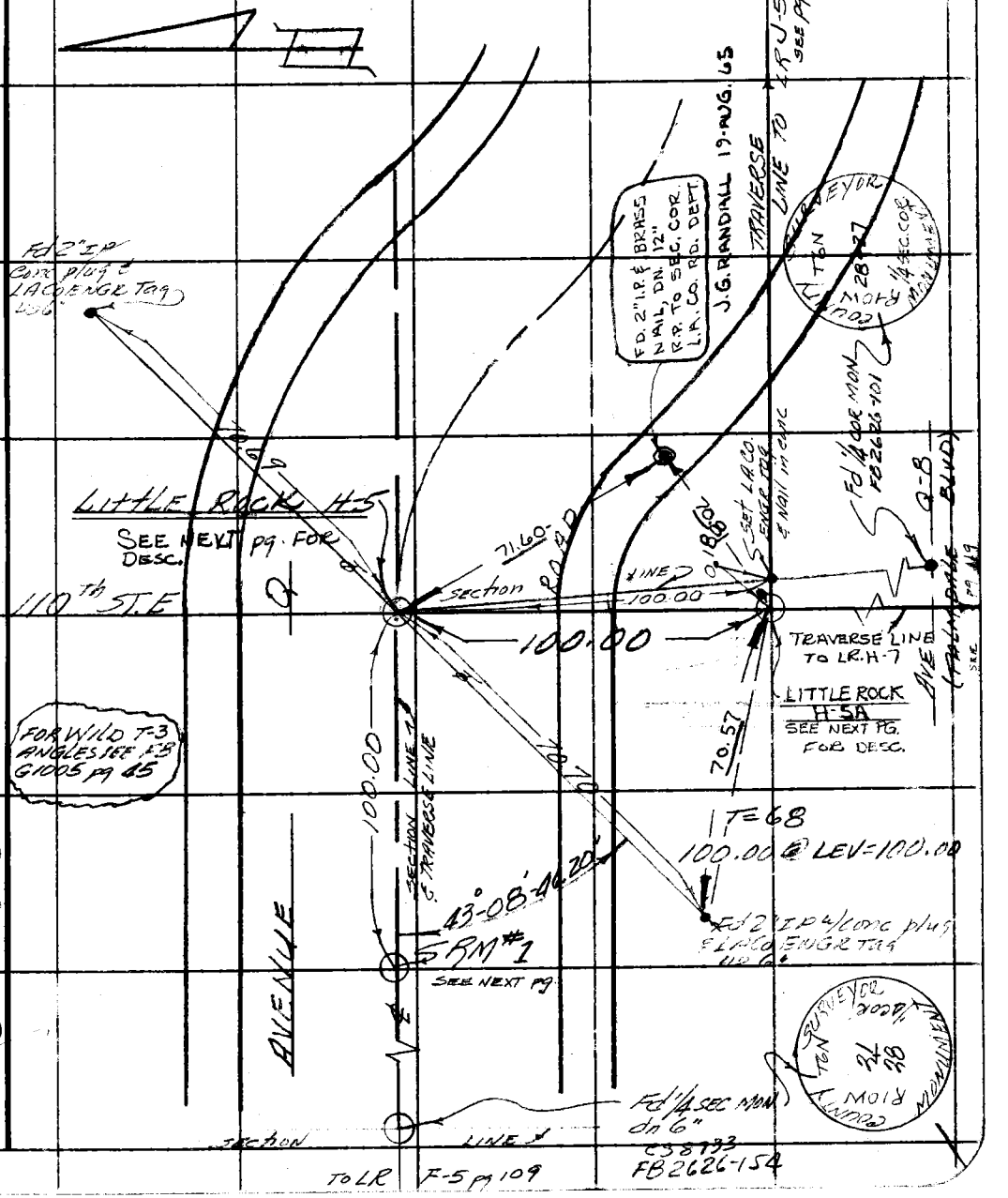
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 0191 Std 68 °F
Office Work PWN	Surveyed by A.C. Guizado
Checked	Notes R.D.G. Date 5-63
Date	Indexed E. J. CALLI

F. B. 743 PG. 111

L. A. Co. Survey Control System



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F. B. 943 PG. 112

TRAVERSE STATION

LITTLE ROCK H-5 & H-5A

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 12 MILES EASTERLY OF THE CITY OF PALMDALE.

WS 66 B-2

STATION MARK

H-5

FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN
IT IS THE ℄ INTERSECTION OF AVENUE 'Q' (dirt road) AND 110TH STREET EAST (dirt road)

CS 8732
FB 486 [illegible]
1113-249
dn 18"

COUNTY SURVEYOR
N
T6S
21 | 22
28 | 27
1925
MONUMENT
BIDW

STATION H-5A

SET A 1X2 NOT FLUSH ON LINE TO LITTLE ROCK H-7

10/28/63 REPLACED WITH A STD 4" BRASS TRAVERSE TABLET & 2" IP, STAMPED "LITTLE ROCK H5A 1963 LA CO ENGR. RE 5869" IN A 12" CONCRETE PILLAR UP 6".

REFERENCE MARK #1

SET A STD 4" BRASS RM TABLET & 2" IP STAMPED "LITTLE ROCK H-5 RM#1 1963 LA CO ENGR RE 5869" IN CONCRETE DN 12" ON SECTION LINE TO WEST ALSO TRAVERSE LINE

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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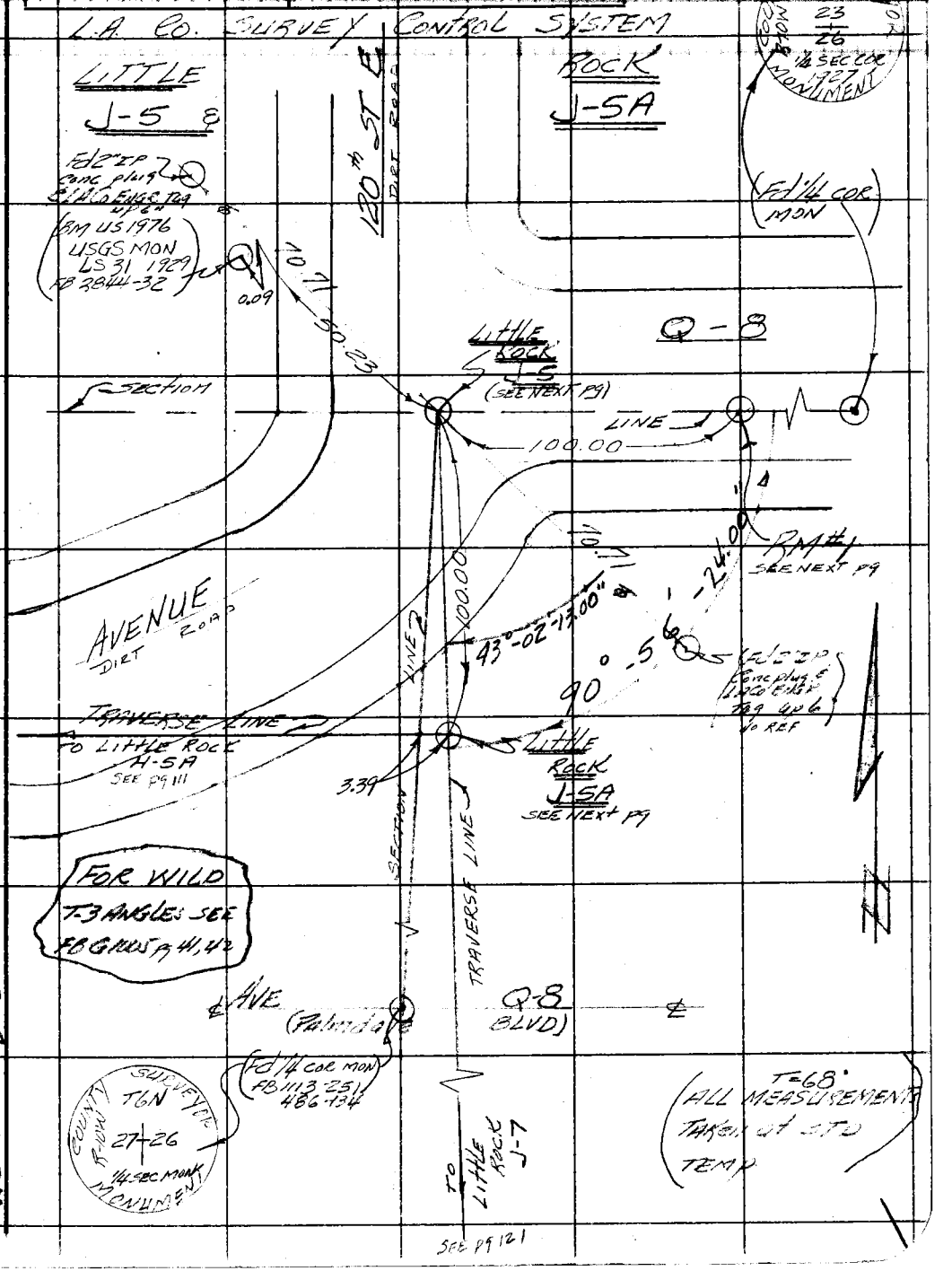
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 0193 Std 68 °F
Office Work PAW	Surveyed by AC GUIZADO
Checked	Notes ACG Date 5-63
Date	Indexed C. J. GALLI

F. B. 943 PG. 113



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/00 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-53

F. B. 943 PG. 114

TRAVERSE STATION

LITTLE ROCK J-5 & J-5A

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 13 MILES EASTERLY OF THE CITY OF PALMDALE.

THE STATION IS A SECTION CORNER & ℄ INTERSECTION OF AVE "Q" & 120TH ST EAST (DIRT ROADS)

STATION MARK

J-5 FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN DN 8"

FB 486-135
1113-251
CSB 8732

COUNTY SURVEYOR
RIOWY
T6N
28 23
27 26
1927
MONUMENT

J-5A ~~FOUND: A [illegible] ON LINE TO LITTLE ROCK J-7~~

(10/29/63) - REPLACED WITH A STD 4" BRASS TRAVERSE TABLET & 2" I.P., SET IN CONCRETE 12" dn, STAMPED "LITTLE ROCK J-5A 1963 LA CO ENGR RE 5869")

REFERENCE MARK #1

SET A STD 4" BRASS RM TABLET STAMPED "LITTLE ROCK J-5 RM#1 1963 LA CO. ENGR RE 5869" IN CONCRETE DN 12" ON SECTION LINE TO EAST

WS 66 B-2

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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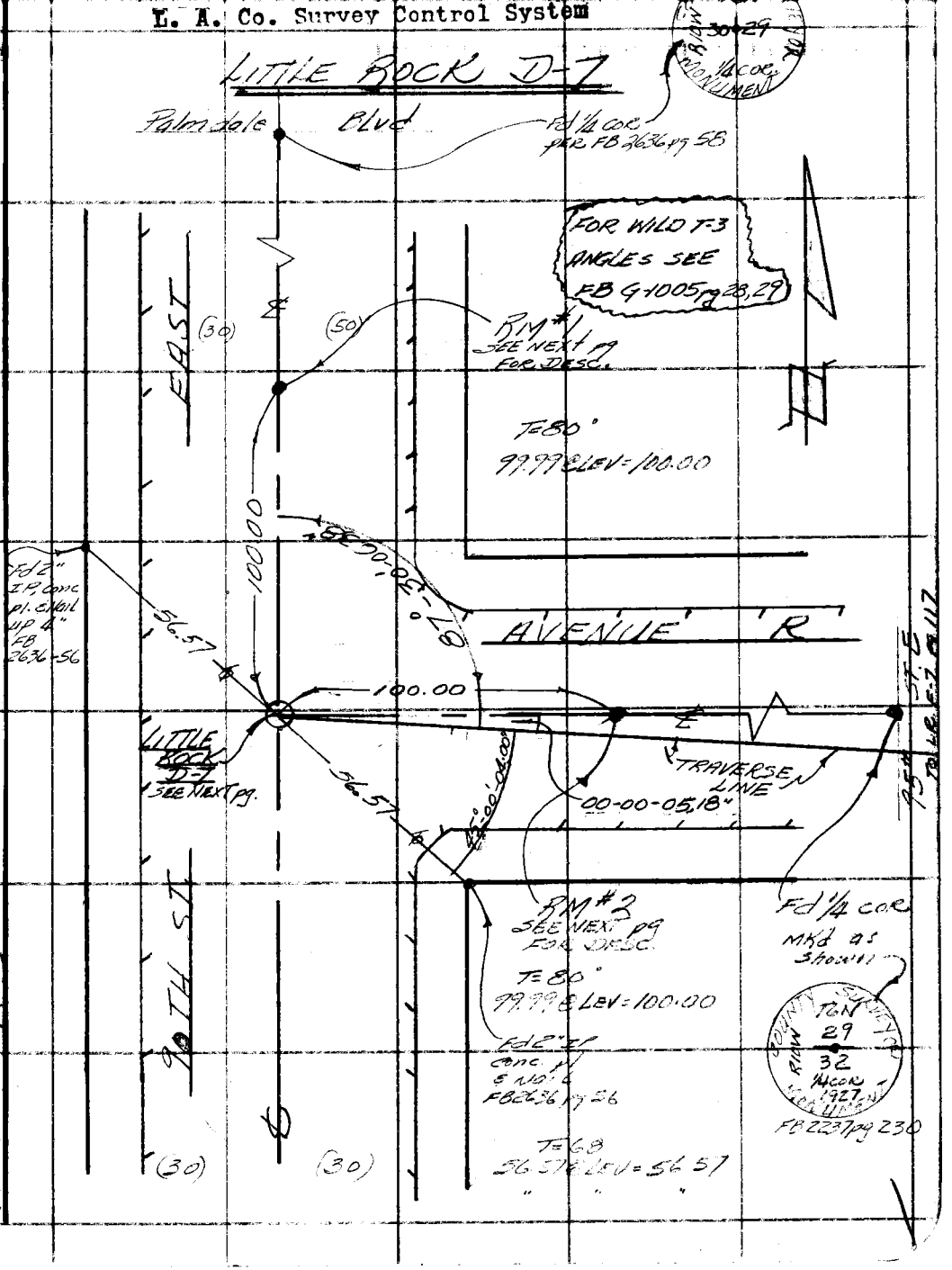
Office Work PW	Surveyed by A.C. Guizado
Checked	Notes R.D.G. Date 5-63
Date	Indexed

F. B. 140 Pg. 115

L. A. Co. Survey Control System



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

WS 66 A-3

76F3095 CE #310 6-62

F. B. 943 PG 116 L. A. Co. Survey Control System

TRAVERSE STATION

LITTLE ROCK D-7

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 10 MILES EASTERLY OF THE CITY OF PALMDALE.

WS 66

A-3

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION MARK FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN IT IS THE ℄ INTERSECTION OF 90th STREET EAST AND AVENUE 'R'

UNDER CAST IRON COVER
18" BELOW SURFACE
C.S. 2685
SEE CS 8732
Ties Per F.B. 2636-76
F.B. 2376-11
F.B. 2237-50
1824-215

SURVEYOR T6N 30 29 31 32 COUNTY ENGINEER

RM #1 — SET A STD 4" BRASS CAP RM & 2" IP STAMPED "LITTLE ROCK D-7, RE 5869 1963" dn 12" in WELL & UNDER CAST IRON COVERS — THIS MONUMENT SET ON ℄ to NORTH

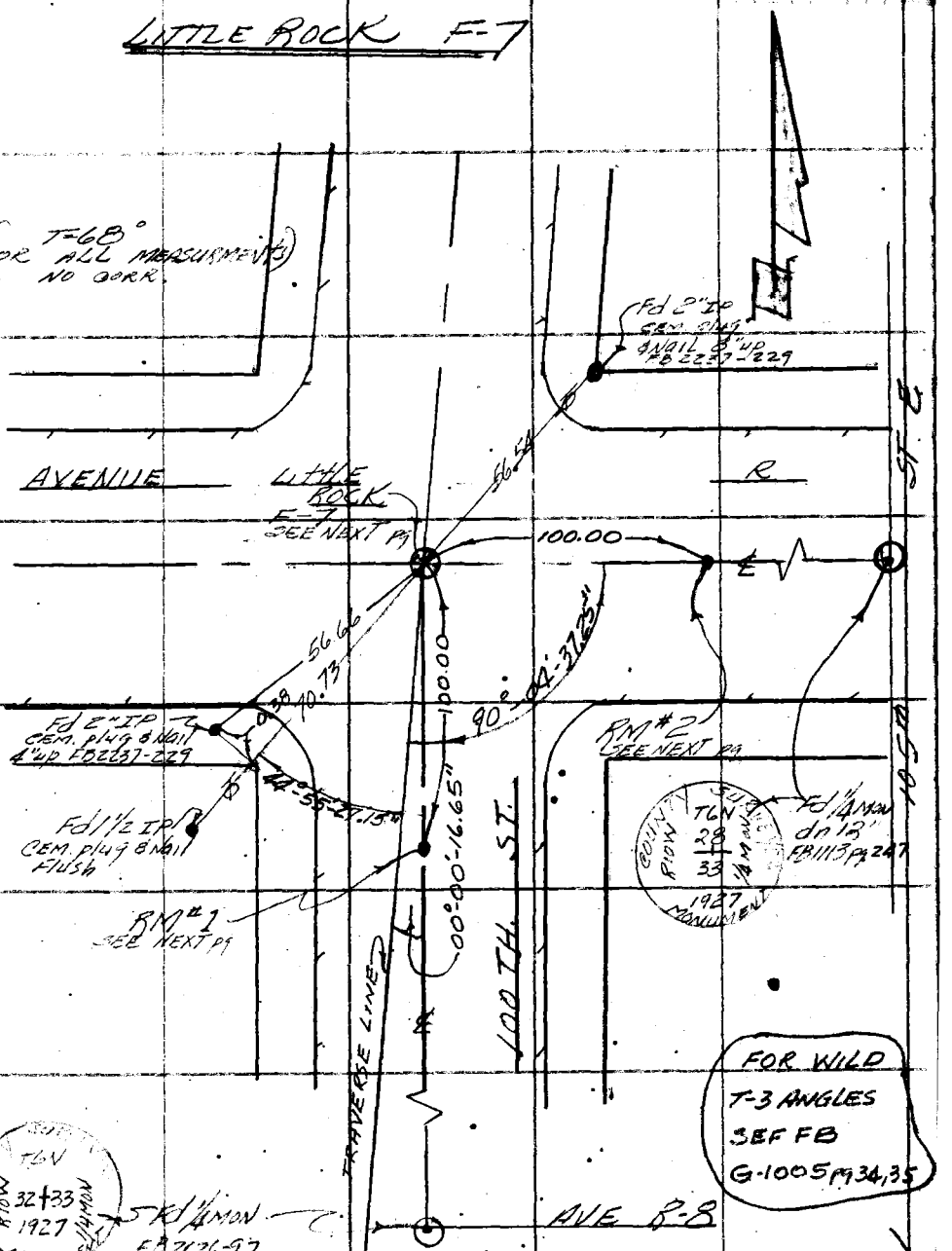
RM #2 — Same as RM #1 EXCEPT stamped "RM #2" S SET on ℄ Toward EAST

Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape Std °F
Office Work PAW	Surveyed by A.C. Guizado
Checked	Notes R.D.G. Date 5-63
Date	Indexed C. J. GALLI

F. B. 942 PG.

L.A. Co. Survey Control System

LITTLE ROCK F-7



Noted on Preliminary Card
Placed on Sub. Div. Sheet
Placed on Sub. Div. Sheet
Sketch on Sub. Desc. Card

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403 Los Angeles County Engineering Bldg.

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76F3095 CE #310 6-62

F. B. 943 PG 118

TRAVERSE STATION
IN LITTLE ROCK F-7

THIS STATION IS THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 11 MILES EASTERLY OF THE CITY OF PALMDALE

WS 66

B-3

STATION MARK FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN IT IS THE ℄ INTERSECTION OF 100th STREET EAST AND AVENUE 'R'

✓

12" dn.

COUNTY SURVEYOR
T6N
29 | 28
32 | 33
1927
RIOW
MONUMENT

SEE CS 8732
FB 2626 pg 95
2137 239
1113 247

REFERENCE MARK #1

SET A STD 4" RM BRASS TABLET & 2" IP STAMPED "LITTLE ROCK F-7 RM#1 LA CO ENGR RE 58 69 1963 dn 12" & UNDER CAST IRON COVER, ON SECTION (℄) LINE TO SOUTH

REFERENCE MARK #2

SAME AS RM#1 EXCEPT STAMPED RM #2 & on ℄ to EAST

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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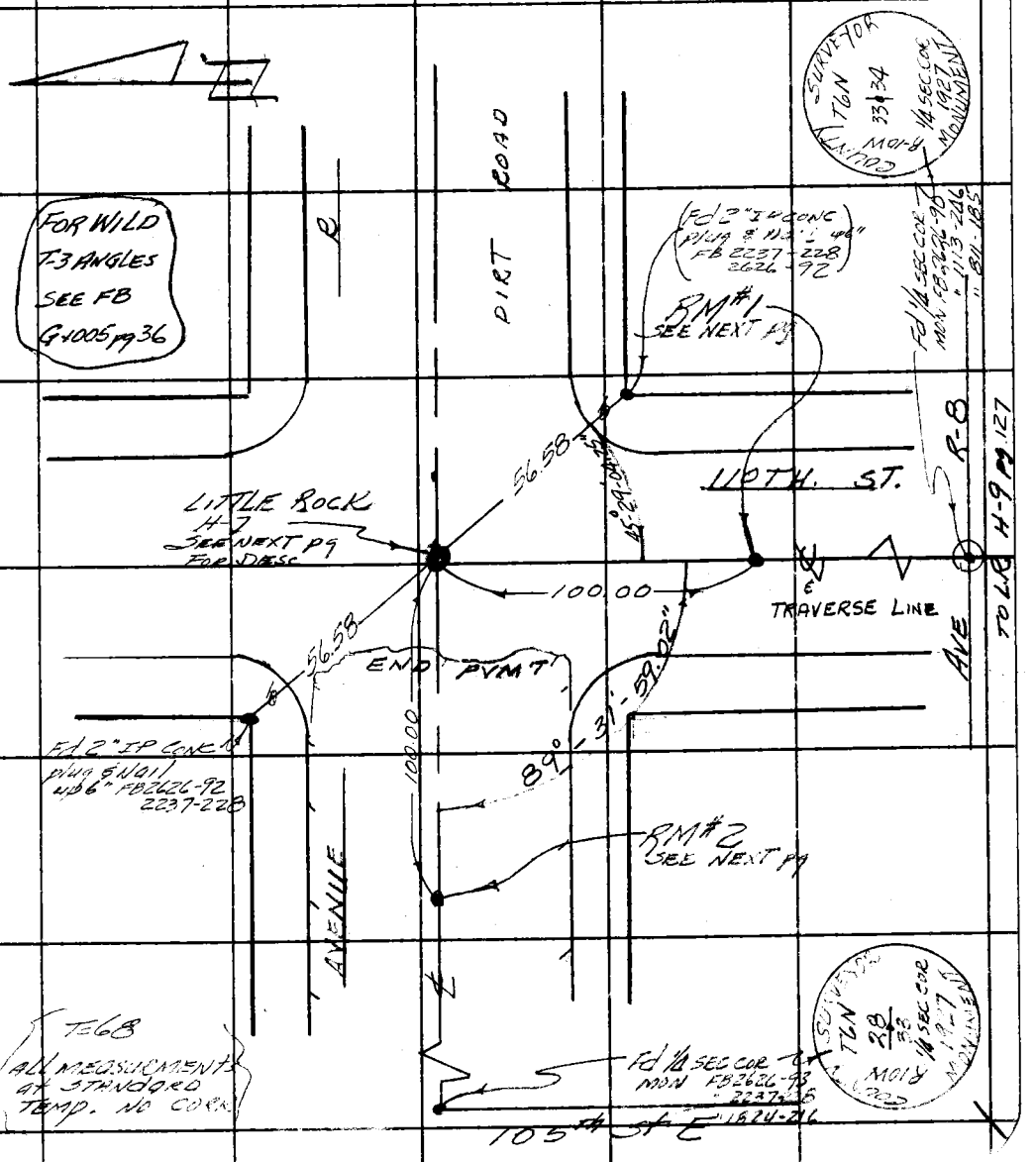
Checked	Notes R.D.G. Date 5-63
Date	Indexed GAIII

F. B. 943 PG. 119

L. A. Co. Survey Control System

LITTLE ROCK H-7



Noted on Geo. Index Card
Placed on S.G.S. Quad. Shts.
Placed on Ser. Div. W.S. No.
Sketch on Geo. Desc. Card

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F. B. 943 PG. 120

TRAVERSE STATION

LITTLE ROCK H-7

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 12 MILES EASTERLY OF THE CITY OF PALMDALE.

STATION MARK FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN IT IS THE ℄ INTERSECTION OF 110th STREET EAST AND AVENUE 'R'

COUNTY SURVEYOR RIDW T6N 28 27 33 34 1927 MONUMENT

dn 12"

SEE CS 8732

FB 2626 pg 92
2237 228
[illegible] 249
[illegible] 186

REFERENCE MARK #1

SET A STD 4" BRASS RM TABLET & 2" IP, STAMPED "LITTLE ROCK H-7 RM #1 1963 LA CO ENGR RE 5869" in concrete UNDER CAST IRON COVER dn 12" ON ℄ TO SOUTH & ON TRAVERSE LINE TO L.R. H-9

REFERENCE MARK #2

SAME AS RM #1 EXCEPT STAMPED RM #2 & dn 12" in dirt RD. ON ℄ to WEST

WS 66 B-3

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

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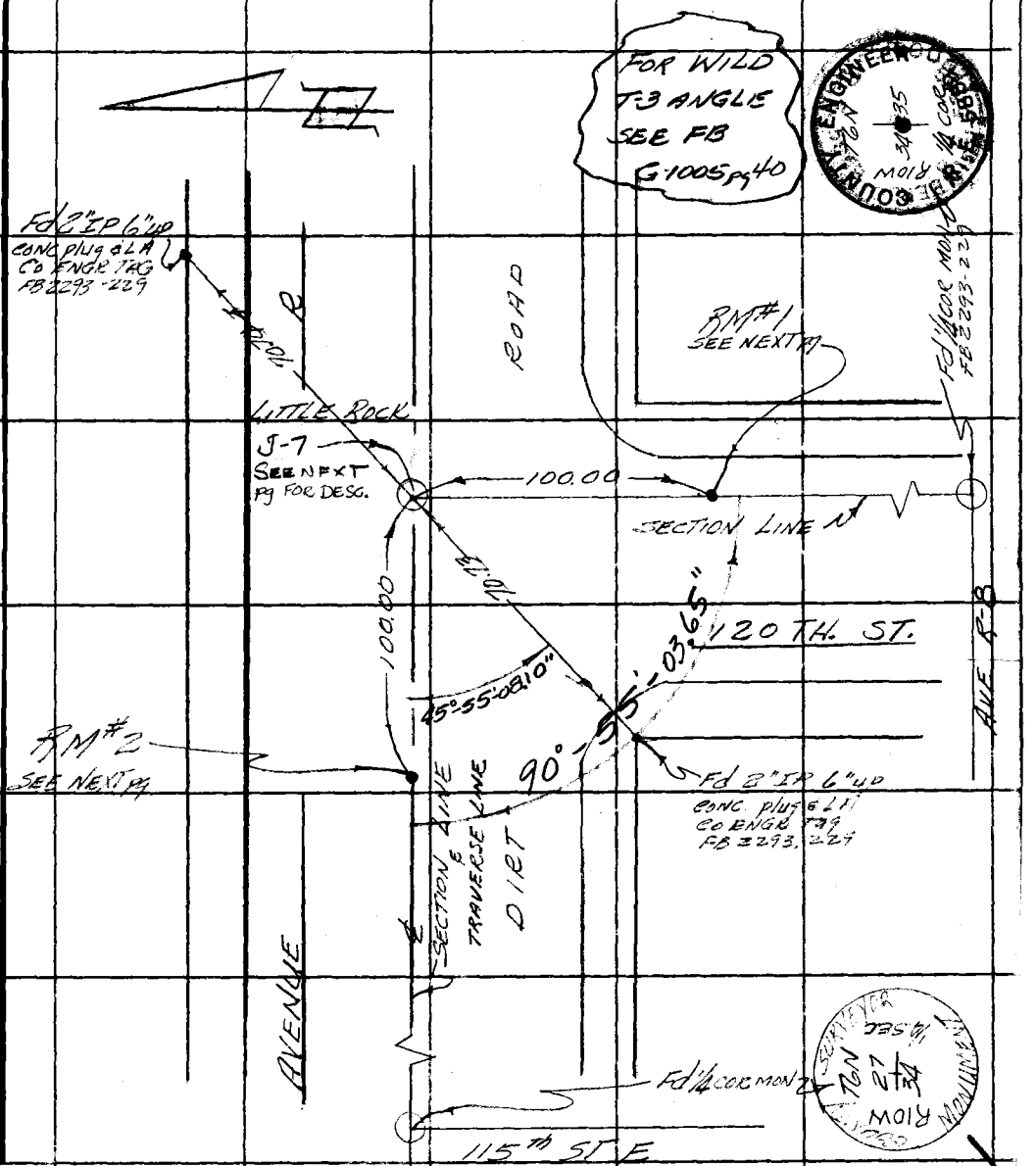
Office Work	Surveyed by A.C. Guizado
Checked	Notes R.D.G. Date 5-63
Date	Indexed C. L. GALLI

F. B. 943 PG. 121

L. A. Co. Survey Control System

LITTLE ROCK J-7



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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Noted on Index Card
Placed on G.S. Dist. Shts.
Placed on Sur. Div. W. S. No.
Sketch on Geo. Desc. Card

76F309S CE #310 6-62

B-3

WS64

F. B. 943 PG. 122

TRAVERSE STATION

LITTLE ROCK J-7

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 13 MILES EASTERLY OF THE CITY OF PALMDALE.

STATION MARK: FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN

✓ IT IS THE ℄ INTERSECTION OF 120th STREET EAST AND AVENUE 'R'

SURVEYOR COUNTY MONUMENT T6N R10W 27 26 34 35

SEE CS 8732
[illegible]
" 2293 pg 229

REFERENCE MARK #1

SET A STD 4" RM BRASS TABLET & 2" IP in CONCRETE, STAMPED "LITTLE ROCK J-7 RM#1 1963 LA Co. ENGR BEE869" dn 12" ON SECTION (℄) LINE TO SOUTH.

REFERENCE MARK #2

SAME AS RM#1, EXCEPT STAMPED "RM#2" & on SECTION (℄) LINE TO WEST ALSO TRAVERSE LINE

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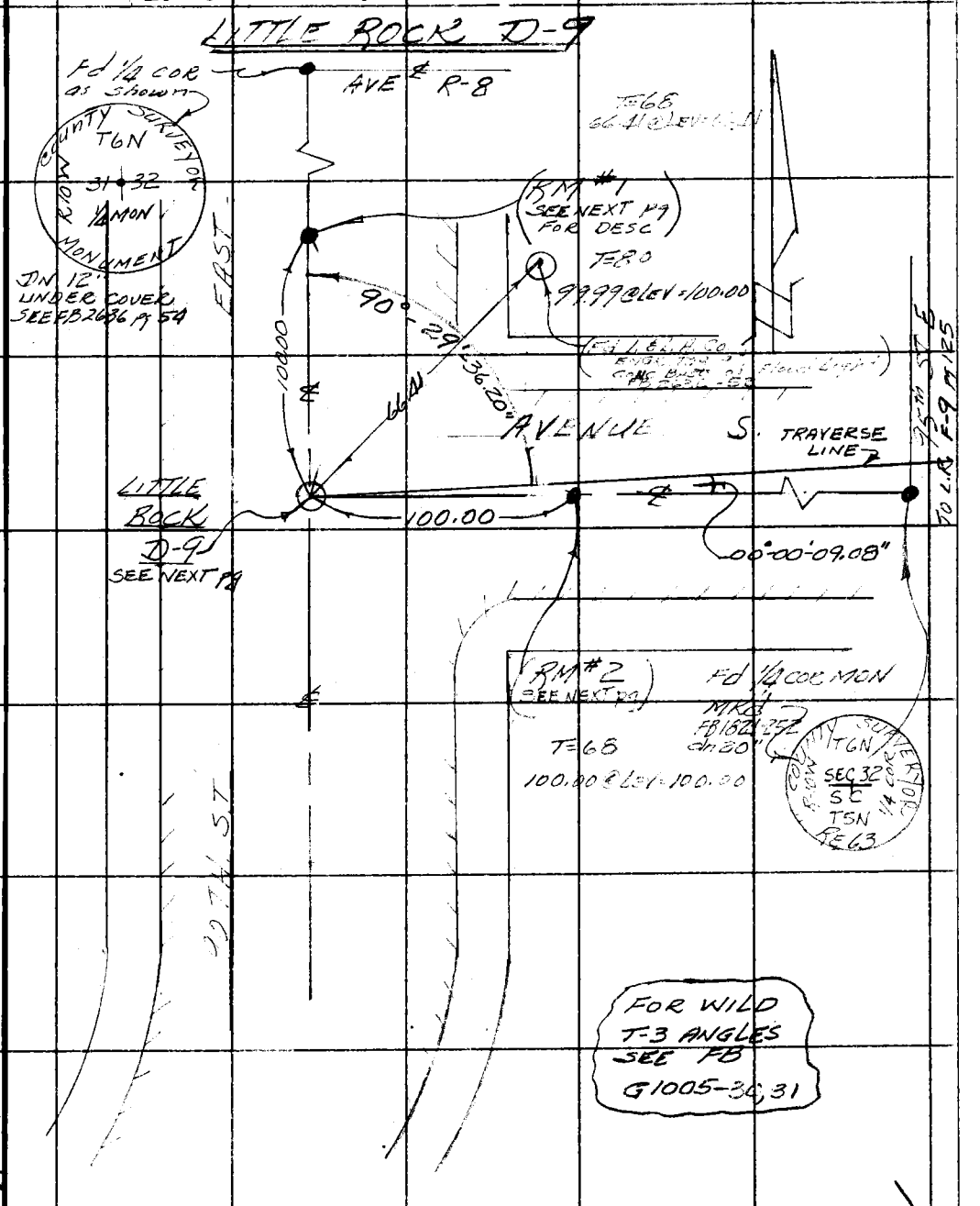
Office Work PAW	Surveyed by A.C. Guizado
Checked	Notes R.D.G. Date 5-63
Date	Indexed C J GALL

F. B. 943 PG. 123

L. A. Co. Survey Control System



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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

WS66 A-3

76F3095 CE # 310 3-61

F. B. 943 PG 124

TRAVERSE STATION

LITTLE ROCK D-9

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 10 MILES EASTERLY OF THE CITY OF PALMDALE.

WS 66 A-3

STATION MARK FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN. IT IS THE ℄ INTERSECTION OF 90th STREET EAST AND AVENUE 'S'

✓

PER CS 8732
FB 1824-253
" 2636-52

COUNTY SURVEYORS
R10W
T6N
31 | 32
SC
T5N
ACCOMPLISHED

REFERENCE MARK #1

SET A STD 4" BRASS CAP RM & 2" IP ON ℄, stamped "LITTLE ROCK D-9 RM#1 1963 BE 5869" WITH WELL & CAST IRON COVER ON ℄ to NORTH

REFERENCE MARK #2

SAME AS RM#1 except MKd "RM#2" & ON ℄ to EAST

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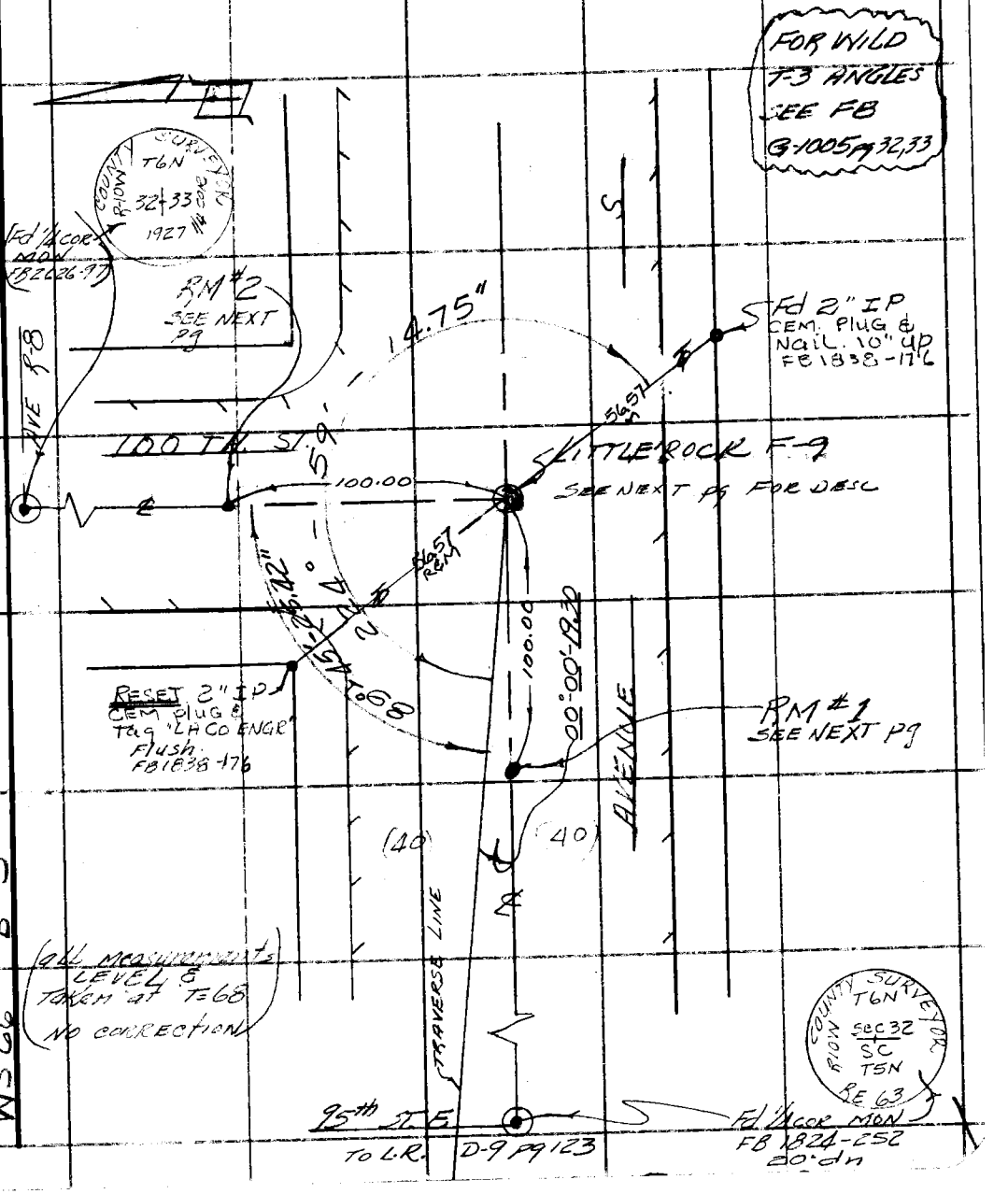
Map No.	JN 0301.00 Tape 0173 Std 68 °F
Office Work PAW	Surveyed by R.C. Guizado
Checked	Notes R.D.G. Date 5-63
Date	Indexed

F. B. 943 PG. 125

L.A. Co. SURVEY CONTROL SYSTEM

LITTLE ROCK F-9



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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F. B. 943 PG 126

TRAVERSE STATION

LITTLE ROCK F-9

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 11 MILES EASTERLY OF THE CITY OF PALMDALE.

STATION MARK FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP MARKED AS SHOWN IT IS THE ℄ INTERSECTION OF 100th STREET EAST AND AVENUE 'S'

MON SET IN WELL

SEE CS 8732

FB 2626 pg 88
1838 176

COUNTY ENGINEER
T6N
32|33
SC
TSN
RE 5869
R10W

REFERENCE MARK #1

SET A STD 4" BRASS TABLET RM & 2" IP PRECAST STAMPED "LITTLE ROCK F-9 LA CO ENG'R RE 5869 RM #1 1963" IN A WELL & CAST IRON COVER. dw 10" & ON ℄ TO WEST

REFERENCE MARK #2

SAME AS RM #1 EXCEPT MKd "RM #2" & ON ℄ TO NORTH

N566 B-3

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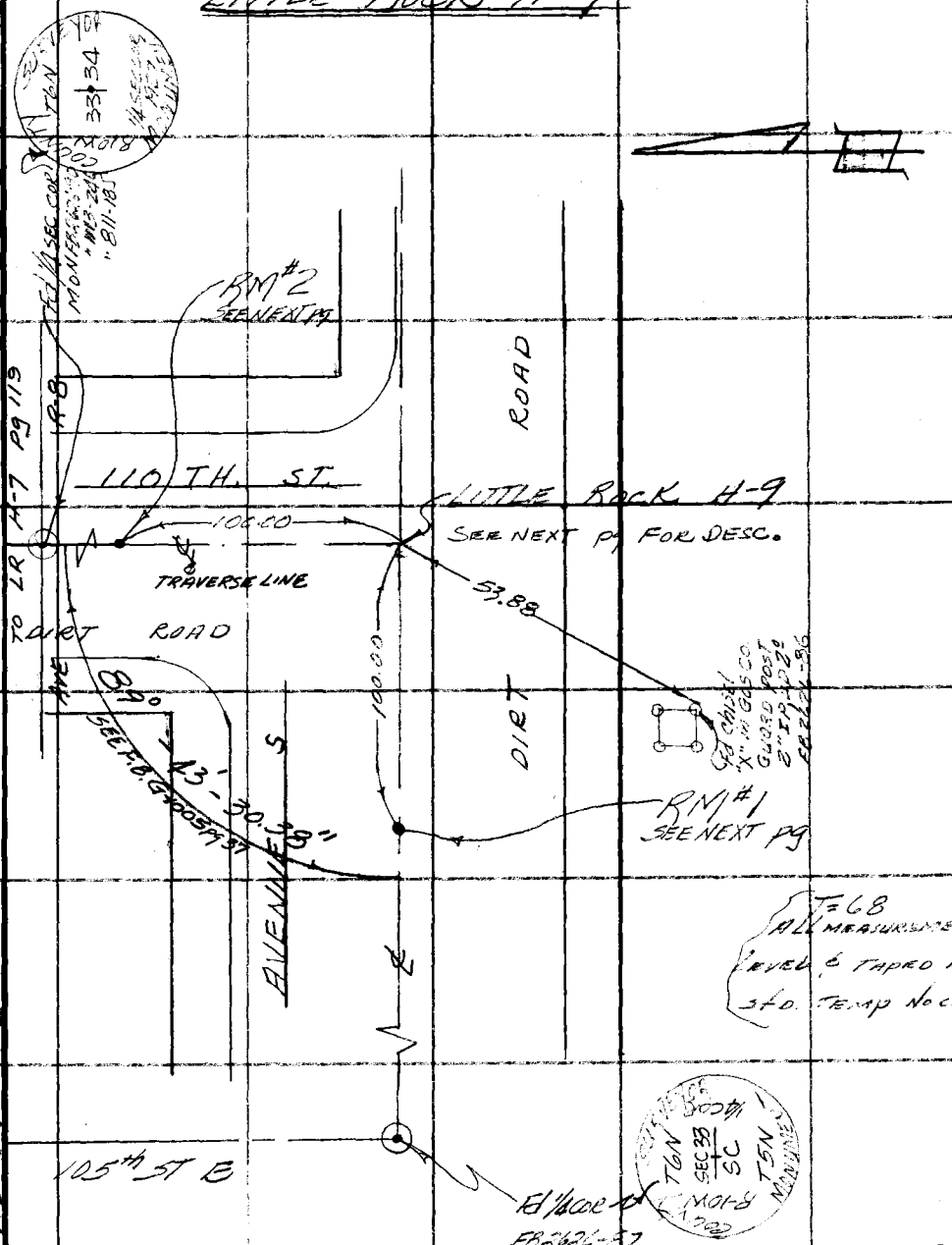
Checked	Notes R.D.G. Date 5-63
Date	Indexed

F. B. 943 PG. 127

L.A. CO. SURVEY CONTROL SYSTEM

LITTLE ROCK H-9



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F. B. 943 PG 128

TRAVERSE STATION

LITTLE ROCK H-9

THIS STATION IS IN THE COUNTY OF LOS ANGELES IN THE ANTELOPE VALLEY, APPROXIMATELY 12 MILES, EASTERLY OF THE CITY OF PALMDALE.

STATION MARK FOUND: A 2" IRON PIPE SET IN CONCRETE WITH BRASS CAP AND MARKED AS SHOWN IT IS THE ℄ INTERSECTION OF 110th STREET EAST AND AVENUE 'S'

✓

DN 15"

SURVEYOR T6N 33|34 SC T5N COUNTY RIO MONUMENT

SEE CS 8732
FB2626 pg 86

REFERENCE MARK #1

SET A STD 4" RM BRASS TABLET & 2" IP in conc, stamped "Little Rock H-9 RM#1 1963 LA CO ENGR RE 5869", dn 12", on ℄ to West

REFERENCE MARK #2

SAME AS RM#1 EXCEPT stamped "RM#2" & on ℄ to North

WS 66 B-3

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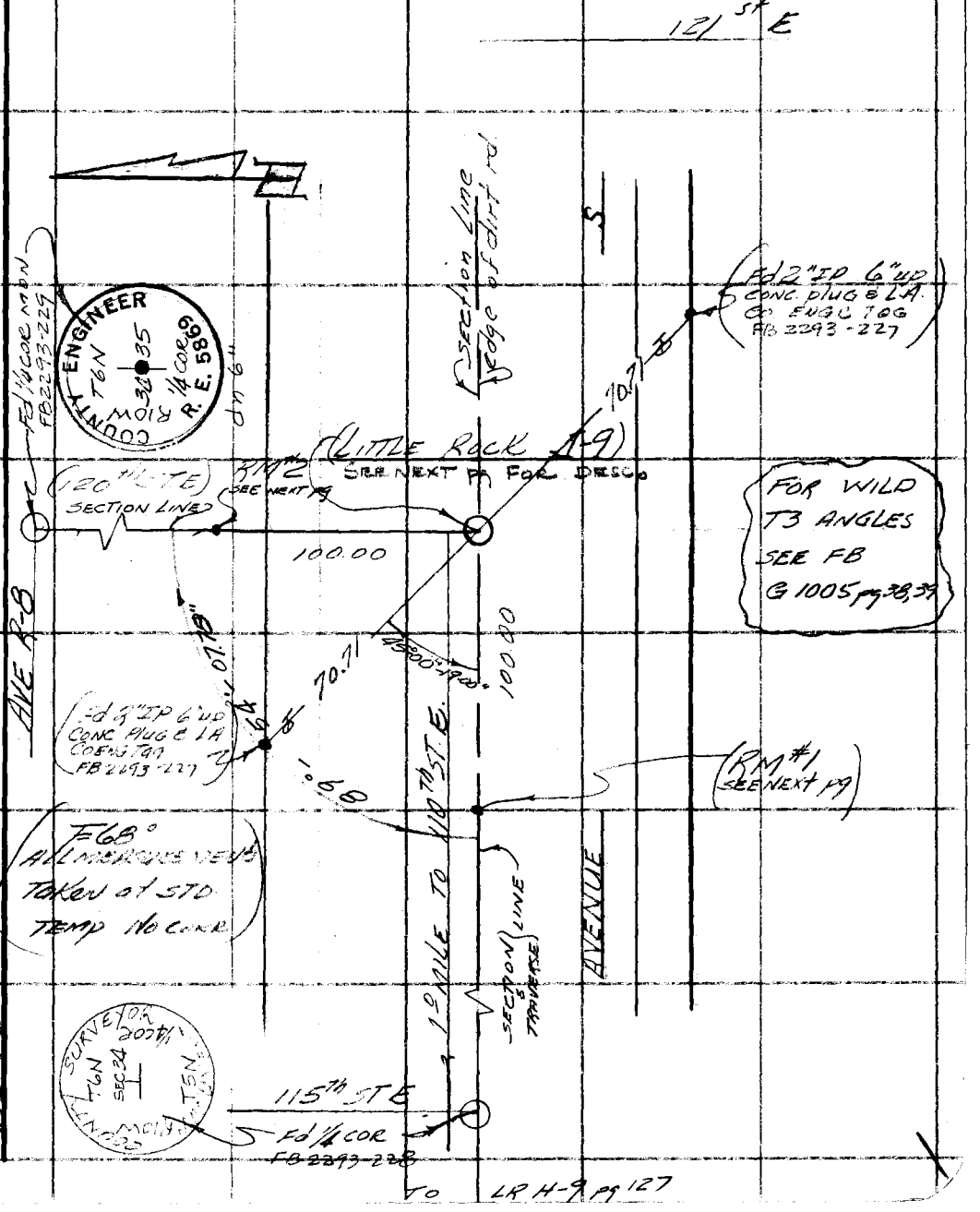
Office Work PAW	Surveyed by H.C. GUIZADO
Checked	Notes R. GLIDDEN Date 5-63
Date	Indexed

F. B. 943 PG. 129

LACO SURVEY CONTROL SYSTEM

LITTLE ROCK J-9



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #310 6-62

F. B. 943 PG 130

TRAVERSE STATION
LITTLE ROCK J-9

THIS STATION IS IN THE COUNTY OF LOS ANGELES, IN THE ANTELOPE VALLEY, APPROXIMATELY 13 MILES EASTERLY OF THE CITY OF PALMDALE

STATION MARK: FOUND A 2" IRON PIPE IN CONCRETE WITH BRASS CAP MARKED AS SHOWN ON 12"
IT IS ON THE NORTH EDGE OF DIRT ROAD (AVE S) & 1 MILE EAST OF 110th ST. E.

✓

SURVEYOR
T6N
34 | 35
SC
T5N
COUNTY R-10W

SEE [illegible]

REFERENCE MARK #1
SET A STD 4" RM BRASS TABLET & 2" IP IN A 12" CONC. PILLAR FLUSH & STAMPED "LITTLE ROCK J-9 RM#1 1963 LA CO ENGR RE 5869" ON SECTION LINE TO 1/4 COR. TO WEST ALSO TRAVERSE LINE TO LR H-9

REFERENCE MARK #2
SAME AS RM#1 EXCEPT STAMPED "RM#2" & UP 6", ON SECTION LINE TO 1/4 COR TO NORTH.

WS 66 B-3

PLEASE RETURN TO
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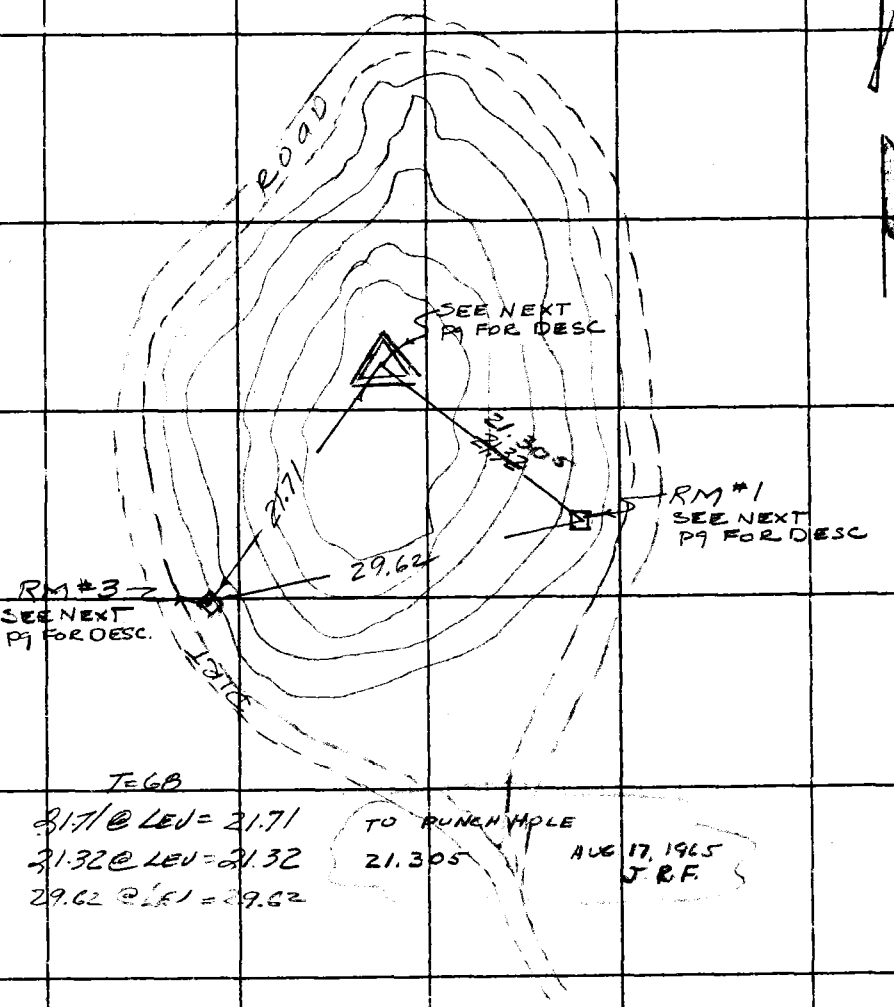
Map No.	JN 0301.00 Tape 0191 Std 68 °F
Office Work PAW	Surveyed by A.C. GUIZADO
Checked	Notes ACG Date 7/63
Date	Indexed C. J. GALL

F. B. 943 PG. 131

LA COUNTY SURVEY CONTROL SYSTEM

CIMA MESA J-2

WARD



T=68

21.71 @ LEV = 21.71

21.32 @ LEV = 21.32

29.62 @ LEV = 29.62

TO PUNCH HOLE 21.305

AUG 17, 1965 J.R.F.

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76F309S CE #310 6-62

F. B. 943 PG. 132

TRAVERSE STATION

CIMA MESA J-2

WARD

THIS STATION IS IN THE COUNTY OF LOS ANGELES, AREA OF ANTELOPE VALLEY - SW 1/4 OF SEC 27 T5N R10W IT IS 4 1/2 MI EAST & 2 MILES SOUTH FROM TOWN OF LITTLE ROCK.

FROM THE INTERSECTION OF PEARBLOSSOM HWY (HWY #138) (V-8) & 126TH ST-E. PROCEED SOUTH ALONG 126TH ST E. 1 MI TO ROAD (W-8) TURN DUE WEST FOR 1/2 MILE TO ROAD (121ST ST E) & BEGINNING OF RIDGE FOLLOW DIRT ROAD ALONG RIDGE W'LY FOR 0.3 MILE TO FORK IN ROAD, PROCEED TO RIGHT FOR 0.15 MI TO TOP OF RIDGE & STATION.

STATION MARK FOUND - A BRONZE DISK INSCRIBED "U.S. GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELE COUNTY" SET IN A 12"X12" SQ CONCRETE MON UP 12" MONUMENT IS STAMPED "WARD RS 1929"

BM NO 1 FOUND - STD DISK SE. OF STATION IN AN 8" by 8" SQ CONC POST UP 6" STAMPED "WARD NO. 1 1940

BM NO 3 FOUND - STD DISK SW OF STATION IN AN 8" by 8" SQ. CONC. POST UP 6" STAMPED "WARD NO 3 1940"

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CULMINATORS - 2 { #11, #15 (VOGE)

GLASS - ALL IN #11

SEAL [illegible] - 1 (MARK)

BAROMETERS - 4 (#11, #12, #17, #15 VOGE)

Wand

0.5 106 & Fort Tejon Rd.

1.7 Fort Tejon Rd. & Dirt Rd. to north

2.2 "+" int top of ridge turn Rt. (E'ly)

2.4 Bear Rt (E'ly) @ top of ridge ("T" int)

2.5 Follow Ridge

2.55 Bear Lft (N'ly) @ "Y" int

2.7 Station

STA → RM 2 T = 82° #221

21.69

STA → RM 1

21.30

RM 1 → RM 2

29.62

FB 943-132A

Notes Ck'd by	Survey of [illegible]	F. B. [illegible] PG. 132A
Map No.	JN [illegible] Tape Std °F	
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date 8-17-65	
Date	Indexed	

WARD, CIMA MESA J-2

(NEW ROUTE DESCRIPTION)

THIS STATION IS IN LOS ANGELES COUNTY, IN THE ANTELOPE VALLEY. S.W. 1/4 OF SEC. 27, T. 5 N., R. 10 W. IT IS 1½ MILE SOUTH OF PEARBLOSSOM. FROM THE INTERSECTION OF PEARBLOSSOM HWY. & 121ST ST. E. PROCEED SOUTH ALONG 121ST ST. 1.05 MI. TO DIRT ROAD, TURN RIGHT (WEST) FOR ±30' THEN SOUTH 0.1 MI., TURN RIGHT AND PROCEED UP DRAIN 0.2 MI. TO FORK, TURN RIGHT (N'LY) 0.1 MI. TO STATION.

NEW ROUTE DESCRIPTION
AUG. 1977

FROM 106TH ST. E & FT TEJON RD. PROCEED S.E'LY ON FT. TEJON RD. 1.2± MI. TO A DIRT RD., THENCE N'LY ON DIRT RD. 0.5± MI. TO A + INT @ TOP OF RIDGE, THENCE E'LY 0.2± MI. TO T INT ON TOP OF RIDGE, THENCE E'LY ALONG RIDGE 0.15± MI. TO Y INT., THENCE N'LY 0.15± MI. TO THE STATION.

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76F309S CE #310 6-63

F. B. 943 PG 132 B

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Map No.	JN 0301 00 Tape Std °F
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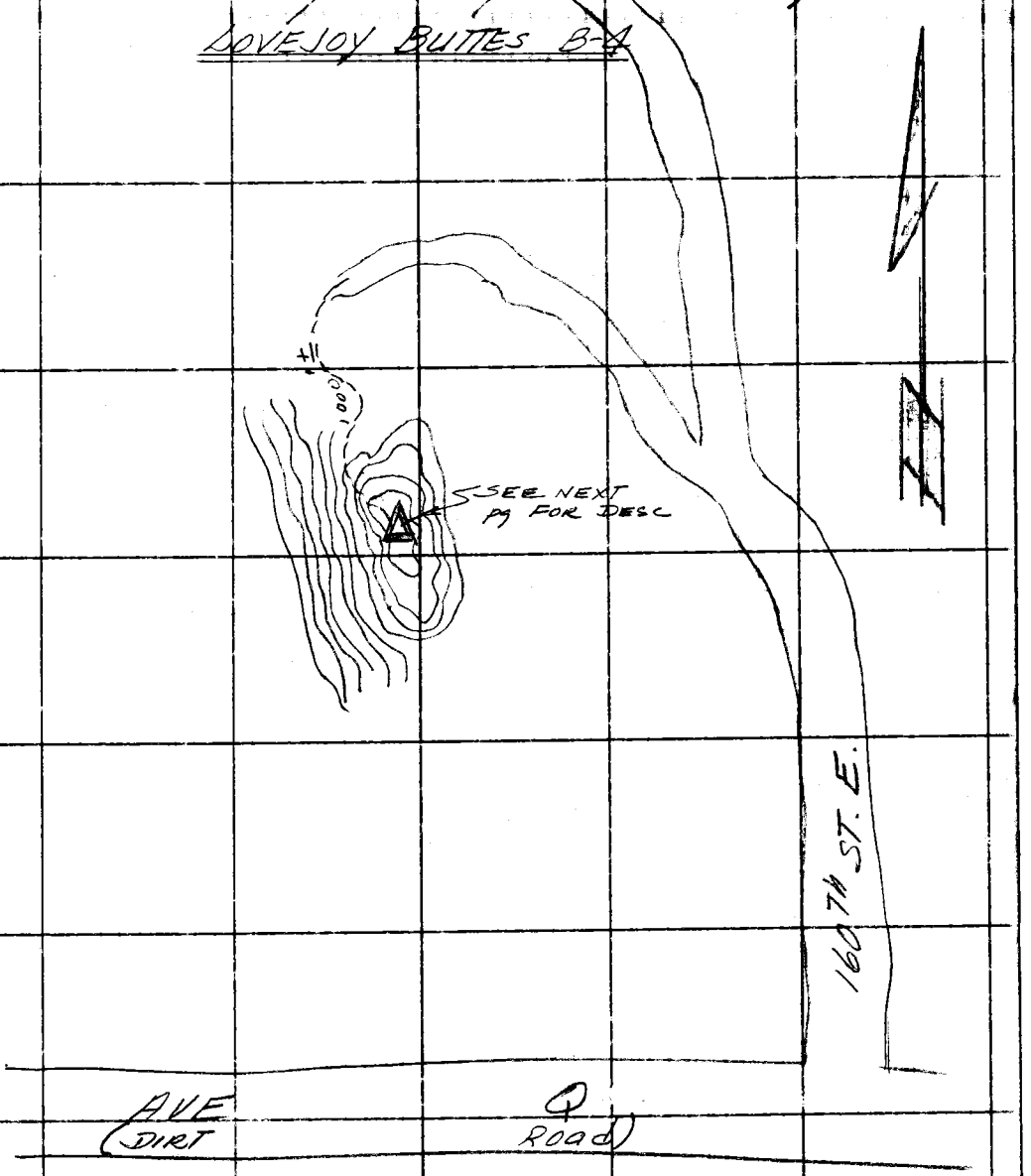
Checked	Notes ACG Date 7/63
Date	Indexed C. J. GALLI

F. B. 943 PG. 133

L.A. COUNTY SURVEY CONTROL SYSTEM

LOVEJOY BUTTES B-4



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76F309S CE #310 6-62

F. B. 943 PG. 134

TRAVERSE STATION

LOVEJOY BUTTES B-4

THIS STATION IS IN THE COUNTY OF LOS ANGELES — AREA OF ANTELOPE VALLEY NW 1/4 OF SECTION 20 T6N R9W. FROM THE INTERSECTION OF AVE Q & 150TH ST E. PROCEED DUE EAST ALONG AVE Q 1½ MILE TO DIRT ROAD (160TH ST. E.) TURN NORTH UNTO DIRT ROAD AND PROCEED ON SAME FOR ½ MILE WHERE IT WILL CURVE TO THE NW ALONG BASE OF LOVE JOY BUTTES. PROCEED UNTIL ROAD END — THEN HIKE 1000'± S'LY ALONG STEEP RIDGE TO STATION.

STATION MARK FOUND A STANDARD COOPERATIVE BRONZE TABLET SET IN CONCRETE & STAMPED "LOVEJOY RS 1929"

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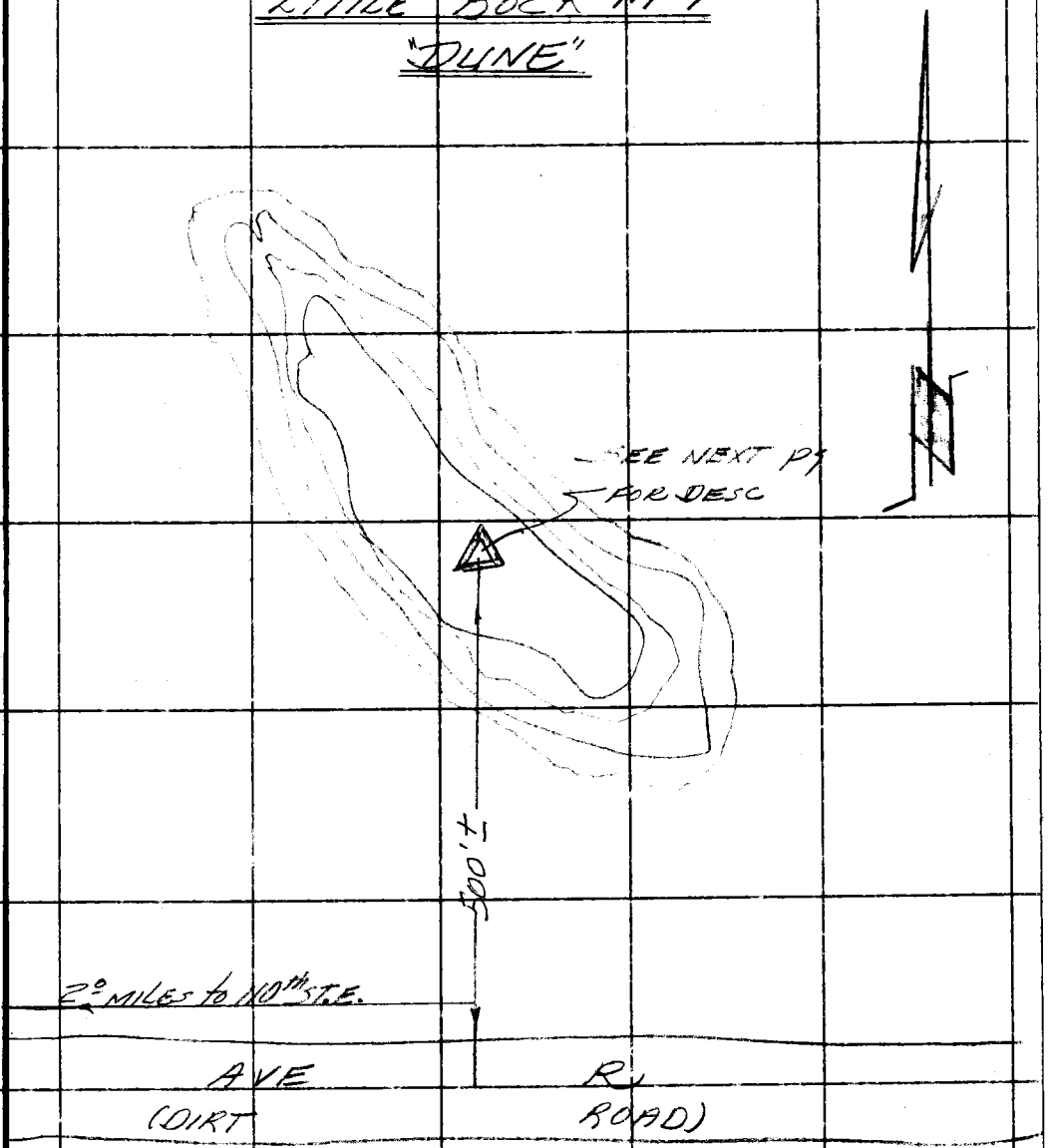
Checked	Notes ACG Date 7/63
Date	Indexed C. J. GALLI

F. B. 943 PG. 135

L.A. COUNTY SURVEY CONTROL SYSTEM

LITTLE BOCK M-7

"DUNE"



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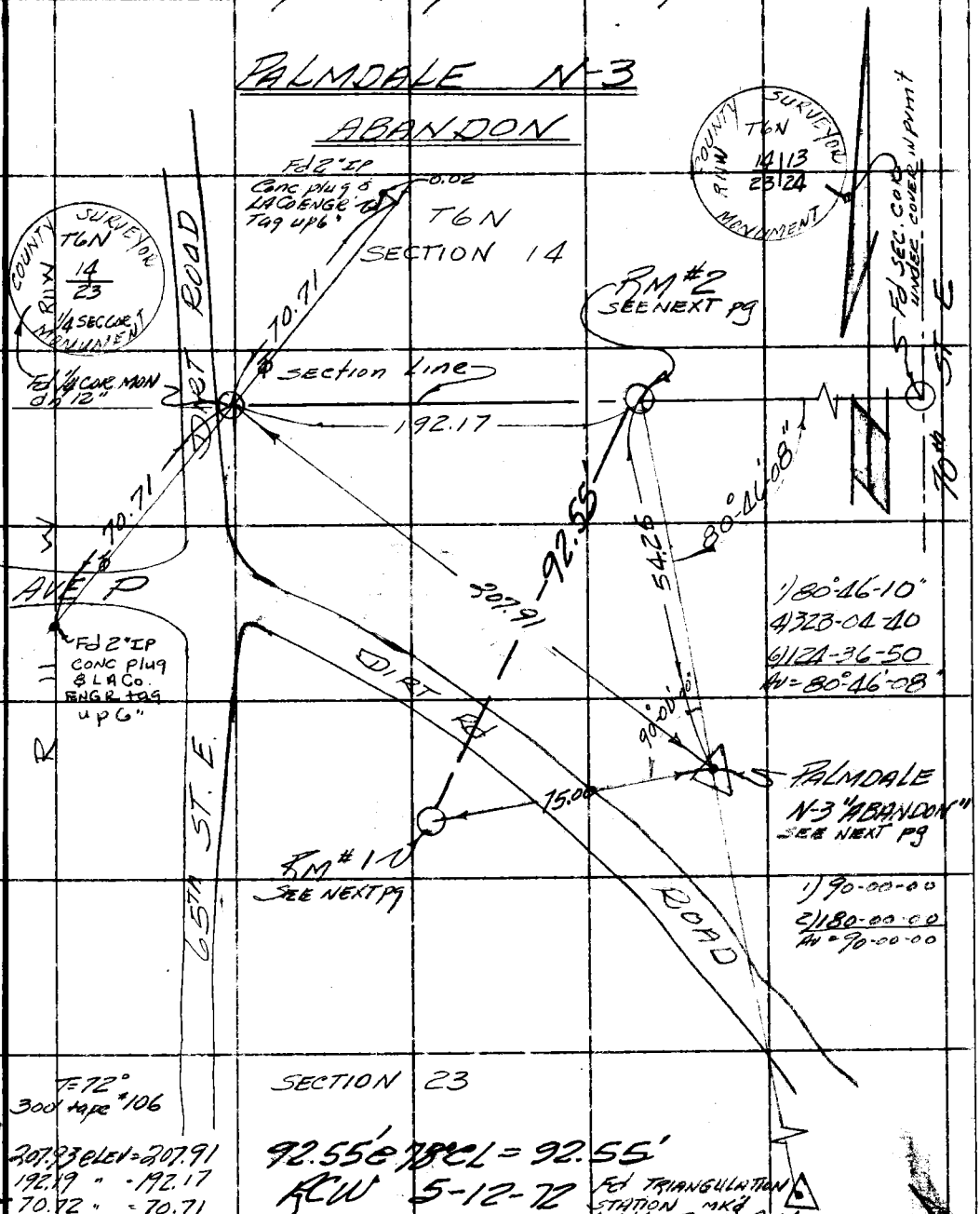
Map No.	JN 0301.00 Tape 0106 Std 84 °F
Office Work [illegible]	Surveyed by ACGUIZAR
Checked	Notes ACG Date 7-63
Date	Indexed [illegible]

F. B. 943 PG. 137

L.A. COUNTY SURVEY CONTROL SYSTEM



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WS65 D-2

76F309S CE #310 6-62

F. B. 943 PG 138

TRAVERSE STATION

PALMDALE N-3

ABANDON

THIS STATION IS IN THE COUNTY OF LOS ANGELES - AREA OF ANTELOPE VALLEY. FROM THE INTERSECTION OF AVE P & 50TH ST. E., TRAVEL DUE EAST ALONG AVE P FOR 1½ MILES TO NES DIRT ROAD (65TH ST. E.) AND TO STATION 50± N.E. OF DIRT ROAD. NO LINE OF SEC 23 T6N R10W

* TAKE PALMDALE AVE EAST TO 70TH ST EAST NORTH ON 70TH 1 MILE ± TO DIRT RD TO N.W. - TRAVEL RD. TO N.W. 0.7 MILE TO STATION --- RCW 10-9-64

STATION MARK FOUND A BRASS CAP MONUMENT MARKED "U.S.G.S. IN COOPERATION WITH COUNTY OF LOS ANGELES" MONUMENT IS STAMPED "ABANDON RS 1929" UP 18"

REFERENCE MARK #1

SET A STD 4" BM BRASS TABLET & 8" IP IN A 12" CONCRETE PILLAR & IS STAMPED "PALMDALE N-3 'ABANDON' RM#1 1963 LA CO ENGR RE 5867" UP 8" & WAS SET AT 90° WEST OF RM#2 FROM CENTER STATION.

REFERENCE MARK #2

SAME AS RM#1 EXCEPT STAMPED "RM#2" & WAS SET BY INTERSECTION OF SECTION LINE & LINE PRODUCED NORTH BETWEEN CENTER STATION & "LITTLE ROCK A-14 AUX1 1963"

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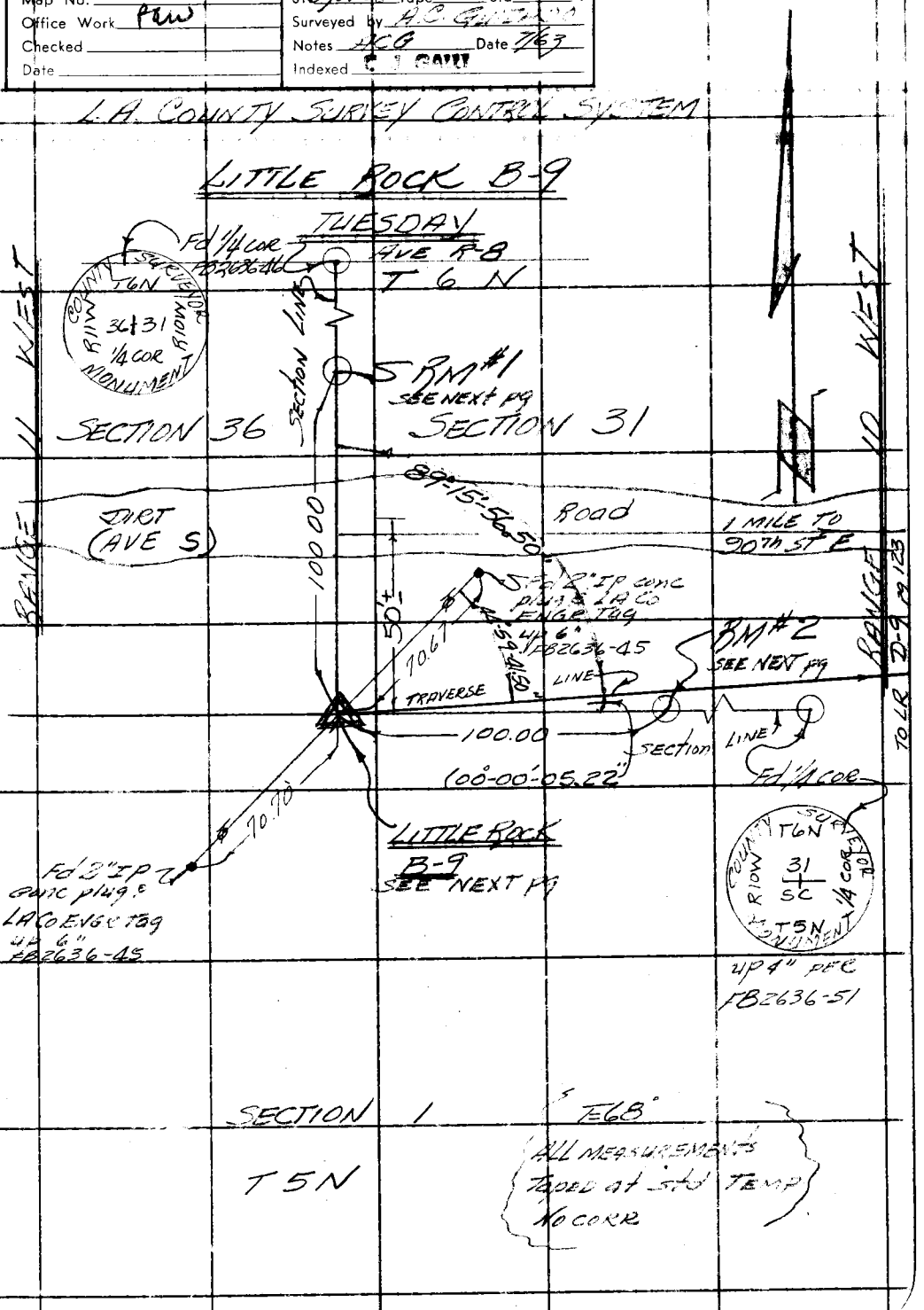
Date	Indexed [illegible]

F. B. 943 PG. 139

L.A. COUNTY SURVEY CONTROL SYSTEM

LITTLE ROCK B-9



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F. B. 943 PG 140

TRAVERSE STATION

LITTLE ROCK B-9

"TUESDAY"

THIS STATION IS IN THE COUNTY OF LOS ANGELES - AREA OF ANTELOPE VALLEY FROM THE INTERSECTION OF 90TH STE & AVE S, TRAVEL WEST ALONG DIRT ROAD (EXTENSION OF AVE S) FOR 1/2 MILE TO STATION WHICH IS 50 FT± SO. OF DIRT ROAD.

STATION MARK FOUND A STD COUNTY SURVEYOR MONUMENT MARKED AS SHOWN IN A 12" CONCRETE PILLAR UP 18"

FB 2636-45

SURVEY STATION SC TSN MONUMENT

REFERENCE MARK #1

SET A STD 4" RM BRASS TABLET & 9" IP, STAMPED "LITTLE ROCK B-9 RM#1 1963 LACOENGR RE 5869" IN A 12" CONC. PILLAR UP 12" ON SECTION LINE TO NORTH

REFERENCE MARK #2

SAME AS RM#1, EXCEPT STAMPED "RM#2" & ON SECTION LINE TO EAST

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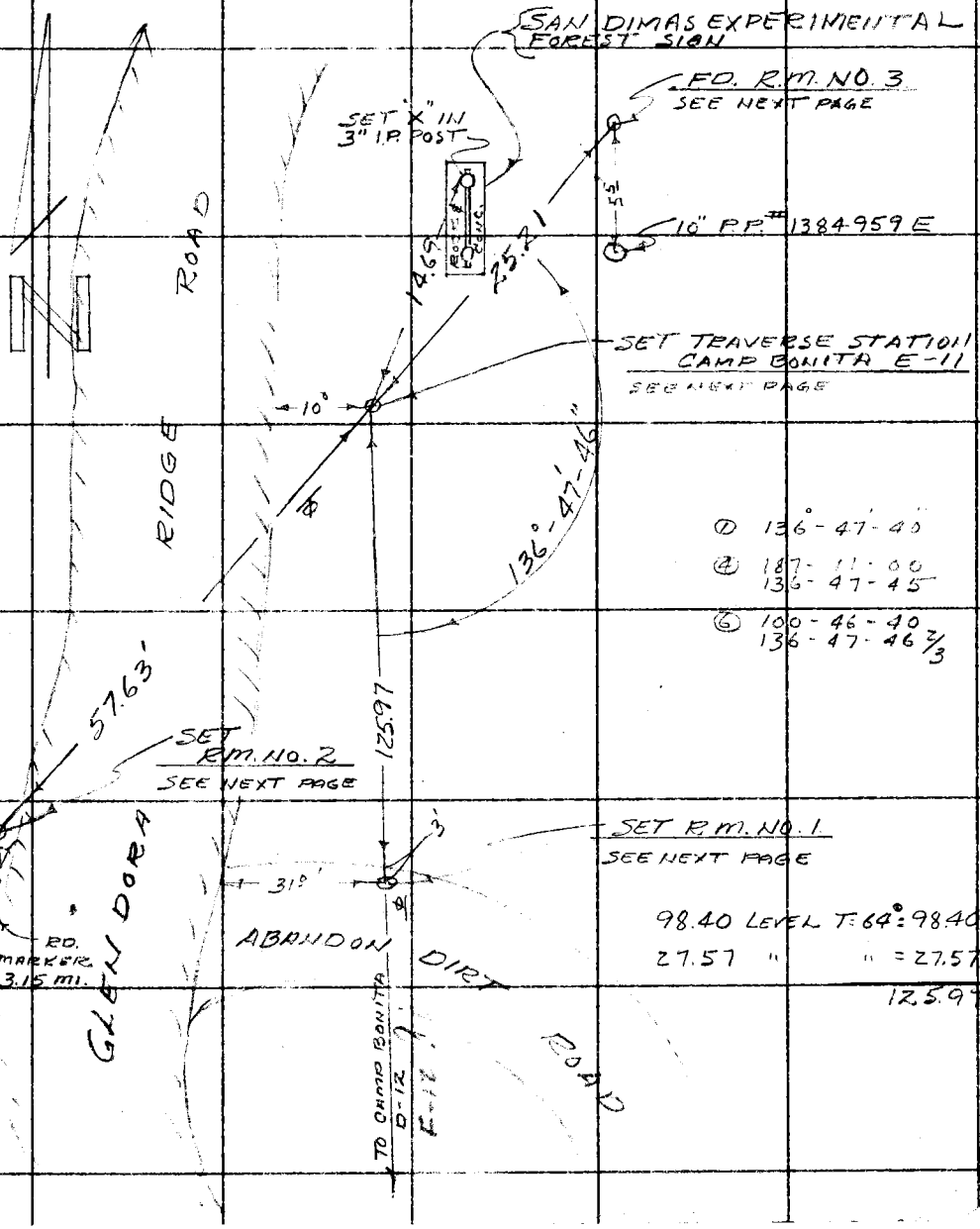
Office Work	Surveyed by G.E. DREIER
Checked	Notes MOODY Date 12-30-63
Date	Indexed E. J. GALLI

F. B. 943 PG. 141

L.A. COUNTY SURVEY CONTROL SYSTEM

GEODIMETER TRAVERSE STATION

CAMP BONITA E-11



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76F309S CE # 310 3-61

F. B. 943 PG 142

DESCRIPTION
TRAVERSE STATION
CAMP BONITA E-11

THIS TRAVERSE STATION IS IN THE COUNTY OF LOS ANGELES ABOUT 9 MI. N.E. OF THE TOWN OF GLENDORA ON GLENDORA RIDGE RD.

TO REACH THIS STATION FROM GLENDORA MT. RD AND GLENDORA RIDGE RD GO E'LY ON GLENDORA RIDGE RD. 3.2 MI. TO A FOREST SIGN READING "SAN DIMAS EXPERIMENTAL FOREST." ℄ P.R. # 1384959 E

STATION MONUMENT: SET A STD. TRAVERSE MONUMENT STAMPED CAMP BONITA E-11 1963, L.A. CO. ENGR. RE 5869, 2" BELOW GROUND SURFACE)

SUB. SURFACE MARK: NONE SET.

REFERENCE MARK #1: SET A STD. COUNTY SURVEY R.M. STAMPED CAMP BONITA E-11 RM. NO. 1, 1963, L.A. CO. ENGR. RE 5869, (UP 0.2')

REFERENCE MARK #2: SET A STD COUNTY SURVEY R.M. STAMPED CAMP BONITA E-11 RM. NO. 2, 1963, L.A. CO. ENGR. RE 5869, (UP 0.5')

REFERENCE MARK #3: FD. A PRE-CAST COUNTY SURVEYOR'S MONUMENT STAMPED COUNTY SURVEYOR'S MONUMENT BM 78 RE 62 ELEV. (UP 0.10)

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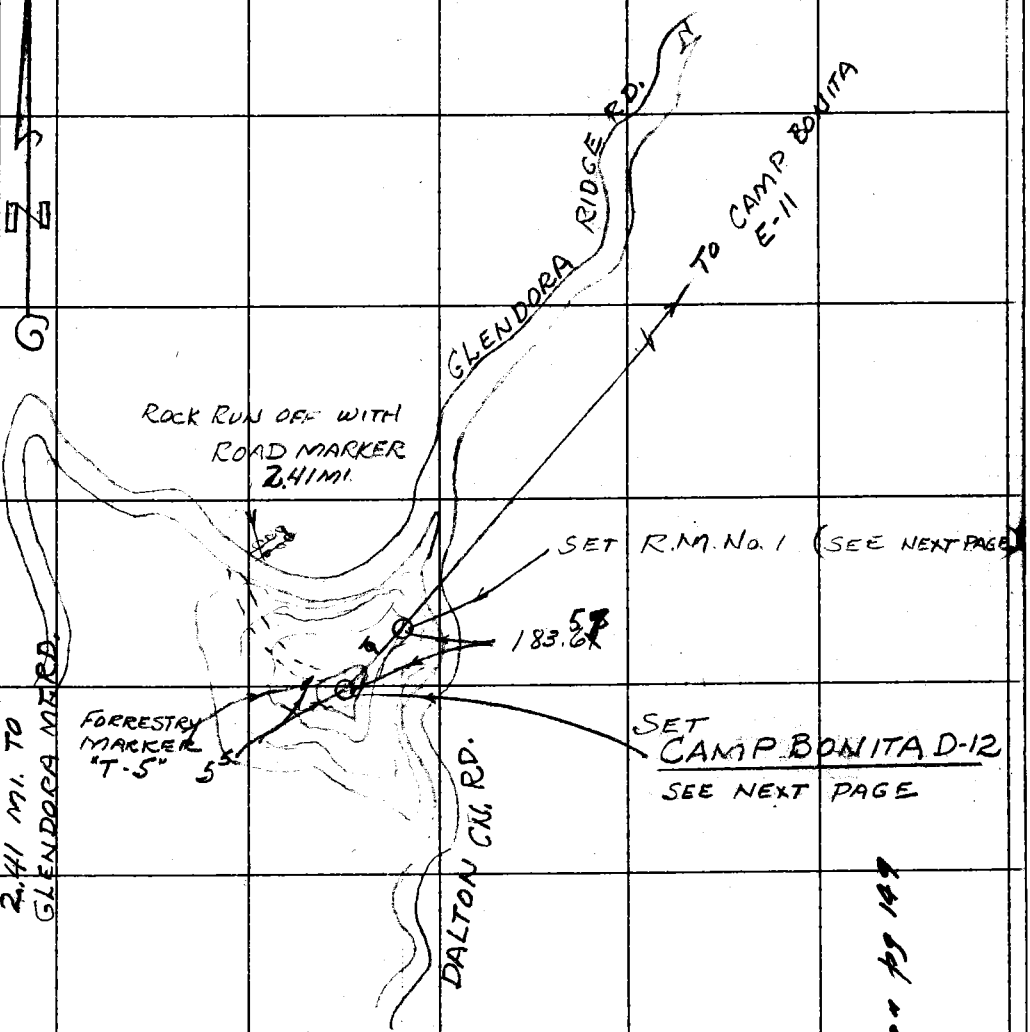
Notes Ck'd by	Survey of DETEN. CAMP 49 TAN BARK FLATS	F. B. 943 PG. 143
Map No.	JN 0018.07 Tape 167 Std 84° °F	
Office Work	Surveyed by G.E. DREIER	
Checked	Notes G.E.D Date 11-18-63	
Date	Indexed R. J. GALL MAY 1 9 '64	

L.A.CO. SURVEY CONTROL SYSTEM GEODOMETER
TRAVERSE STATION CAMP BONITA D-12



184.75 @ 62° F. @ 6° 22' = 183.57
184.43 62° F 5° 24' = 183.57

See Index on pg 149

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763098 CE #247—7-53

F. B. 943 PG. 144

GEODOMETER TRAVERSE STATION
CAMP BONITA D-12

THIS STATION IS IN LOS ANGELES COUNTY N.E. OF GLENDORA NEAR N. SIDE (ABOUT 1/3 MILE WEST OF N.E. COR.) OF SEC. 1, T. 1 N. R. 9 W., ON TOP OF HIGHEST PART OF HILL ON MAIN RIDGE, AT S.W. COR OF INTERSECTION OF GLENDORA RIDGE ROAD AND DALTON CAN. ROAD.

TO REACH STATION DRIVE UP FIRE BREAK OPPOSITE RUN OFF DRAIN AT ROAD MARKER "2.41 MI." (E OF GLENDORA MT RD.) ABOUT 700 FT WLY FROM ROAD INTERSECTION.

STATION MARK:- SET STD TRAVERSE STATION DISC STAMPED "CAMP BONITA D-12 1963 L.A. CO. ENGR. R.E. 5869" IN TOP OF 2" ROUND CONC POST UP 2".

R.M. NO. 1; SET A STD. R.M. MONUMENT STAMPED "CAMP BONITA D-12 R.M. NO. 1 1963 L.A. CO. ENGR R.E. 5869" ON LINE TO GEODOMETER TRAVERSE STATION CAMP BONITA E-11. A FORRESTRY MARKER "TH 25" IS 12.5 FT. N.ELY.

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Map No.	JN [illegible] Tape Std °F	
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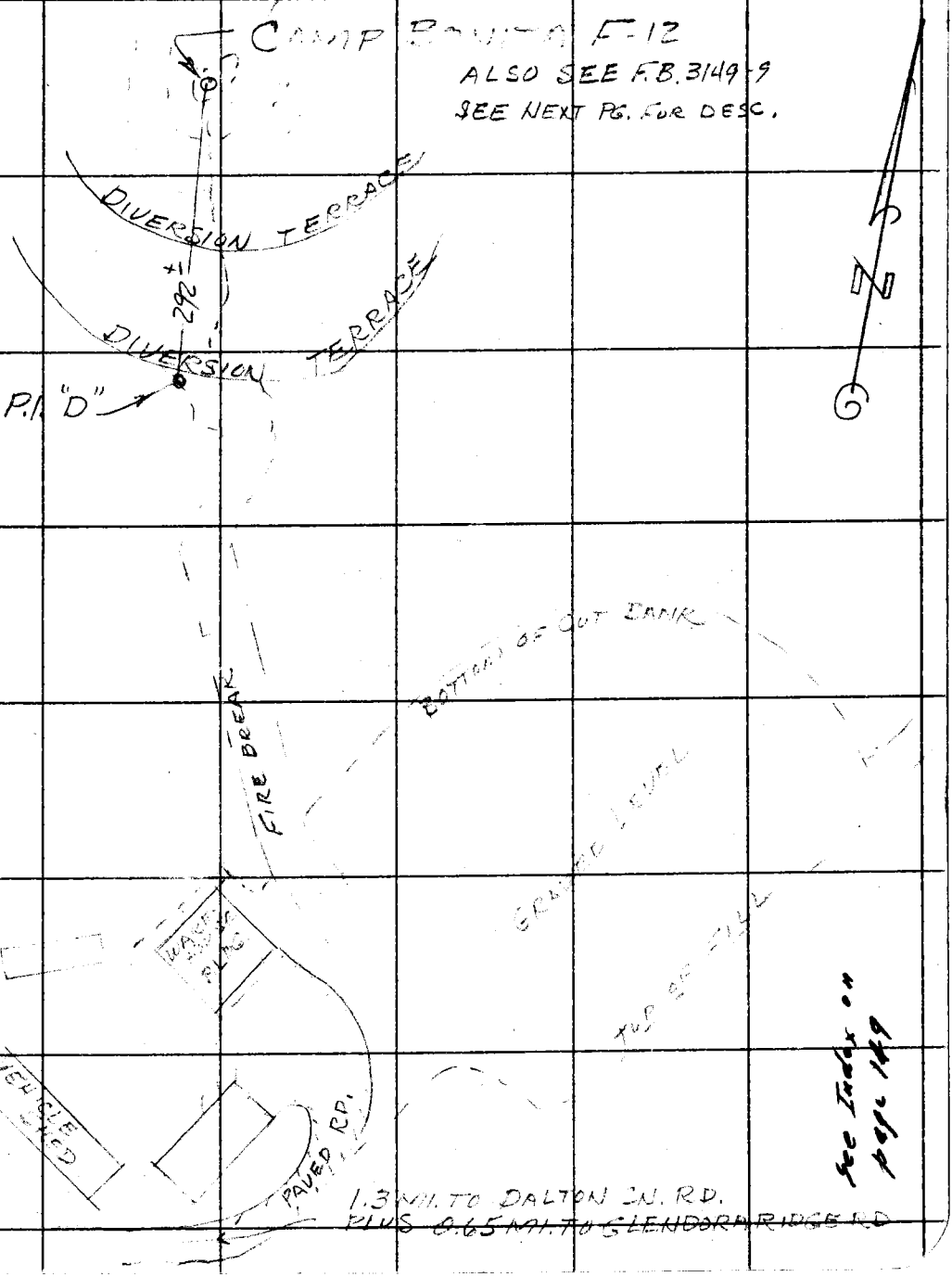
Checked	Notes [illegible] Date 5-14-64	
Date	Indexed [illegible] J. GA.	

[illegible] TRAVERSE STATION



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76F3095 CE # 310 3-61

DESC

F. B. 943 PG. 146

CAMP BONITA F-12

THIS STATION IS IN LOS ANGELES CO., GLENDORA RIDGE AREA.

TO REACH STATION FROM GLENDORA MOUNTAIN ROAD GO E'LY 2.70 MILES ON GLENDORA RIDGE ROAD TO DALTON CN. ROAD, TURN RIGHT AND PROCEED 0.65 MI. ON DALTON CN. RD. TO A SIDE RD. ON LEFT. GO 1.1 MI. TO TANBARK FLATS. KEEP TO RIGHT AND GO 0.2 MI. TO END OF PAVEMENT, HIKE UP FIRE BREAK 850± FT (ON N E'LY END OF FORESTRY BLDGS) AND RIDGE ACROSS TWO DIVERSION TERRACES TO STATION

STATION MARK: FOUND A STD. C.E. PRECAST MON. STAMPED FLUSH WITH MARKER PIPE

COUNTY ENGINEER TANBARK CAMP 19 BONITA F-12 RE 5869

ADDED

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Date	Indexed C. J. GALLI	

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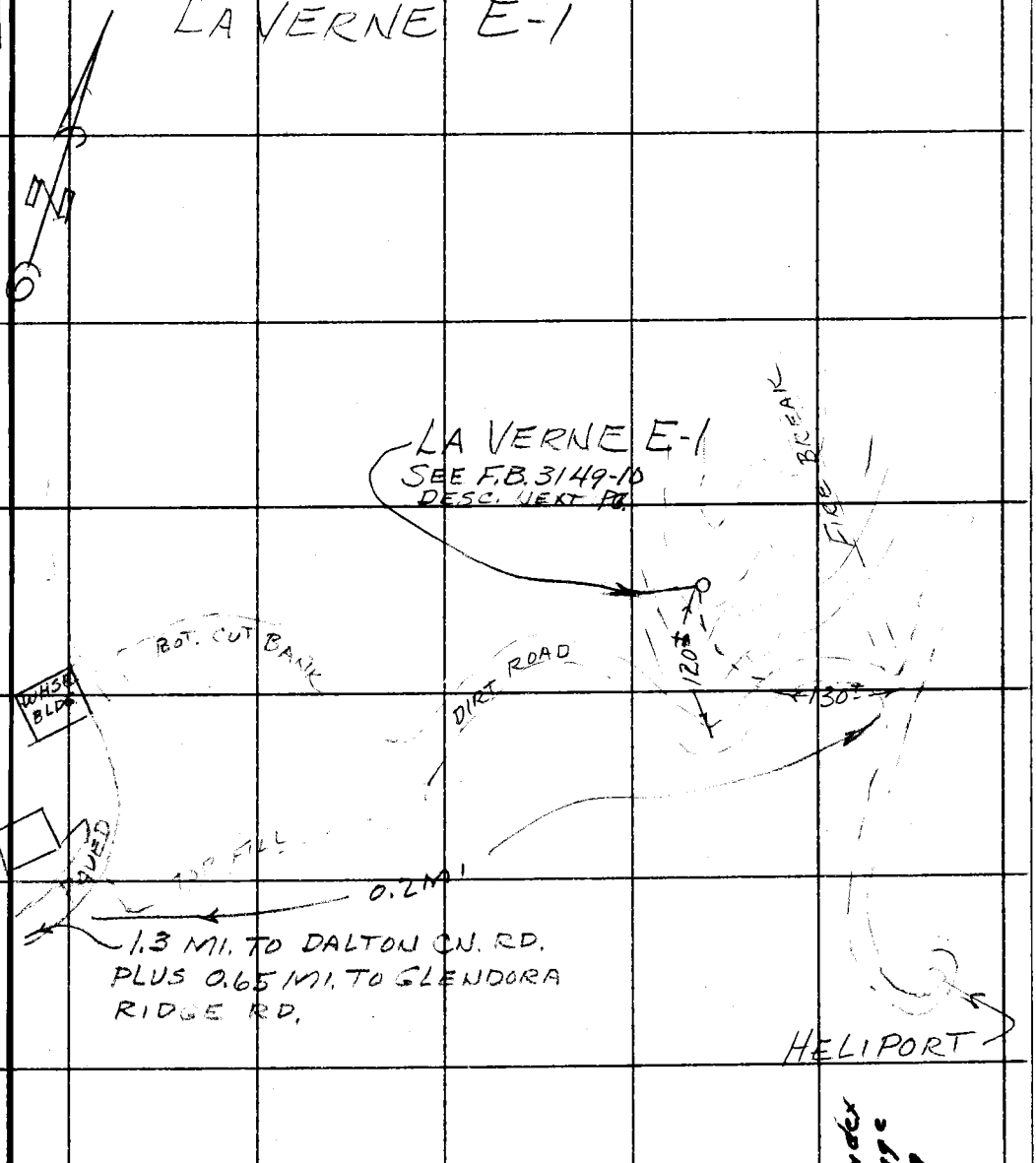
L.A.CO. SURVEY CONTROL STATION

LA VERNE E-1



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76F3095 CE # 310 3-61

F. B. 943 PG. 148 DESC.

LA VERNE E-1

THIS STATION IS IN LOS ANGELES CO., GLENDORA RIDGE AREA

TO REACH STATION FROM GLENDORA MT. RD. GO ELY 2.70 MILES ON GLENDORA RIDGE RD., TURN RIGHT AND GO 0.65 MILE ON DALTON CN. RD TO A SIDE ROAD ON LEFT. TAKE SIDE RD. 1.1 MI. TO TANBARK FLATS. KEEP TO RIGHT AND CONTINUE 0.2 MI. TO END OF PAV. BY A WAREHOUSE, MOTOR SHED, AND SEVERAL OTHER BLDGS. CONTINUE NELY ACROSS A GRADED AREA TO A DIRT ROAD 0.2 MI. TO WHERE ROAD FORKS LEFT & RIGHT (TO HELIPORT)

STATION IS ABOUT 120 FT UP RIDGE ABOUT 130 FT S.WLY FROM ROAD FORK.

STATION MARK FD. A STD. PRECAST MON. STAMPED

COUNTY ENGINEER PROP LINE LA VERNE E-9 CAMP 19 RE 5869

FLUSH PER F.B. 3149-10 MON. IS 196.8 FT W'LY OF PROP. COR. "F" & 724.8 FT E. OF PROP. COR. "E" ON LINE PER F.B. 3149-10

ADDED

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Date	Indexed C. J. GALLI [illegible]

F. B. 743 PG. 147

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TANBARK FLATS

JOB NO. 0018.09

GEODEMETER TRAVERSE STATIONS TO TIE CAMP 19 PROPERTY LINES TO TRIANGULATION STATIONS CAMP BONITA A-11 & CAMP BONITA B-10

DREIER
MOODY
WORKMAN
VALDEZ

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F. B. 943 Pg. 150

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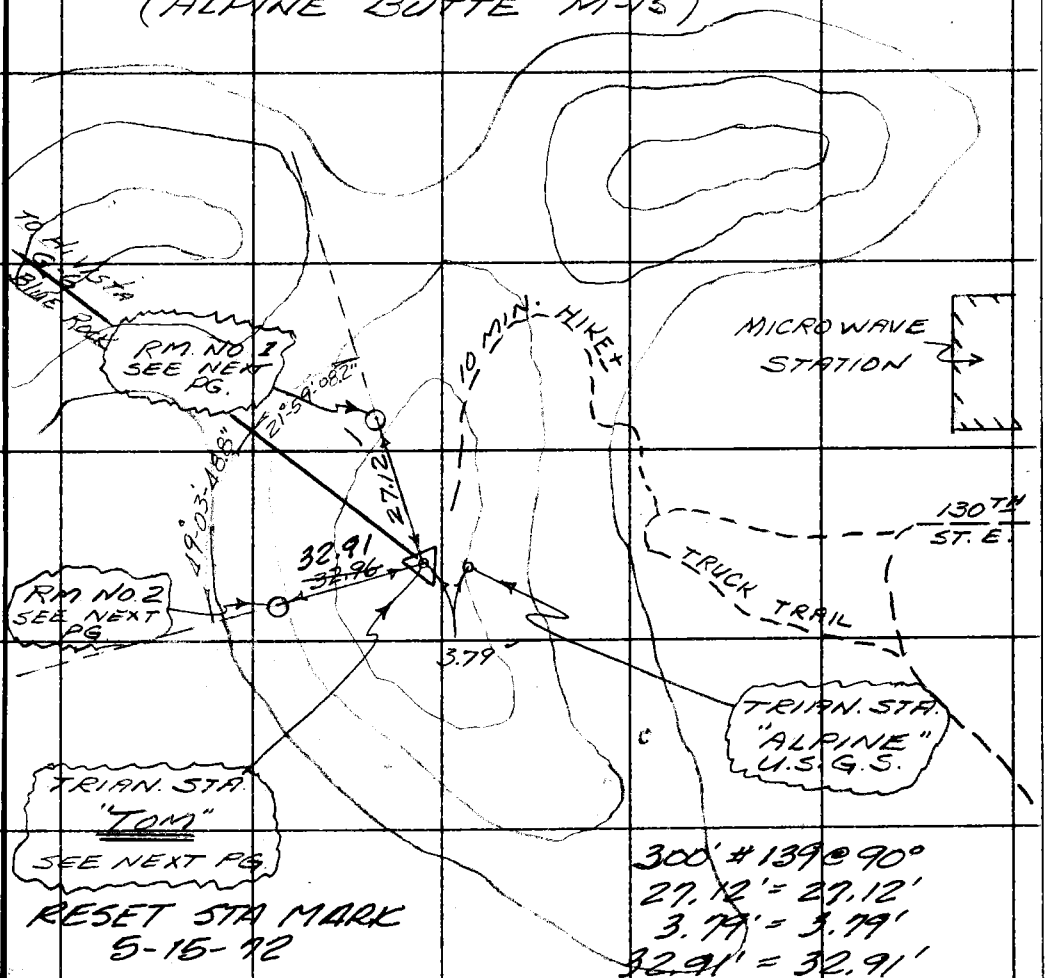
Office Work	Surveyed by AC GUIZADO
Checked	Notes BAZEN Date 10-1-64
Date	Indexed C. J. GALLI

F. B. 943 PG. 151

L A COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"TOM"
(ALPINE BUTTE M-15)



RESET STA MARK
5-15-72

300' #139 @ 90°
27.12' = 27.12'
3.79' = 3.79'
32.91' = 32.91'
RLW 5-15-72

FOR HORIZONTAL ANGLE SEE FB G-1042 pg 8-14

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F. B. 943 PG 152

— DESCRIPTION —

L.A COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"TOM"
(ALPINE BUTTE M-15)

THIS STATION IS IN THE COUNTY OF LOS ANGELES 13 MILES E. BY N.E. OF THE CITY OF PALMDALE IN THE ANTELOPE VALLEY AREA (R10W-T6N) + IN THE NW PART OF SEC. 12.

STATION CAN BE REACHED FROM THE INT. OF AVE "O" + 90TH ST. E. BY TRAVELING E. ON AVE "O" 4.0 MI. TO 130TH ST., TURN LT. + PROCEED 1.0 MI. TO BASE OF HILL + HIKE TO TOP OF HIGHEST OUTCROPING OF ROCKS.

STATION MARK:

FOUND OLD STATION DESTROYED - RESET A STA. 4" BRASS CAP TRIAN. STA. DISK IN ROCK BY TIES PER 1960 U.S.C.+G.S. RECOVERY REPORT. SEE FB 943-37,38
RESET STA MARK IN DRILL HOLE - 4" LA CO SUR CONT SYS BRASS TRIANG. DISC STAMPED "ALPINE BUTTE M15 TOM RESET 1972 RFD08"

REFERENCE MARKS:

R.M. NO. 1 - FD. STD. U.S.C + G.S. 4" BRASS CAP REF. MON. SET IN ROCK PER 1960 U.S.C+G.S. RECOVERY REPORT

R.M. NO. 2 - SAME AS R.M. 1 ONLY STAMPED 2.

TRIAN. STA. "ALPINE" - FD. STD 4" U.S.G.S. TRIAN. STA. DISK SET IN ROCK PER 1960 U.S.C + G.S. RECOVERY REPORT.

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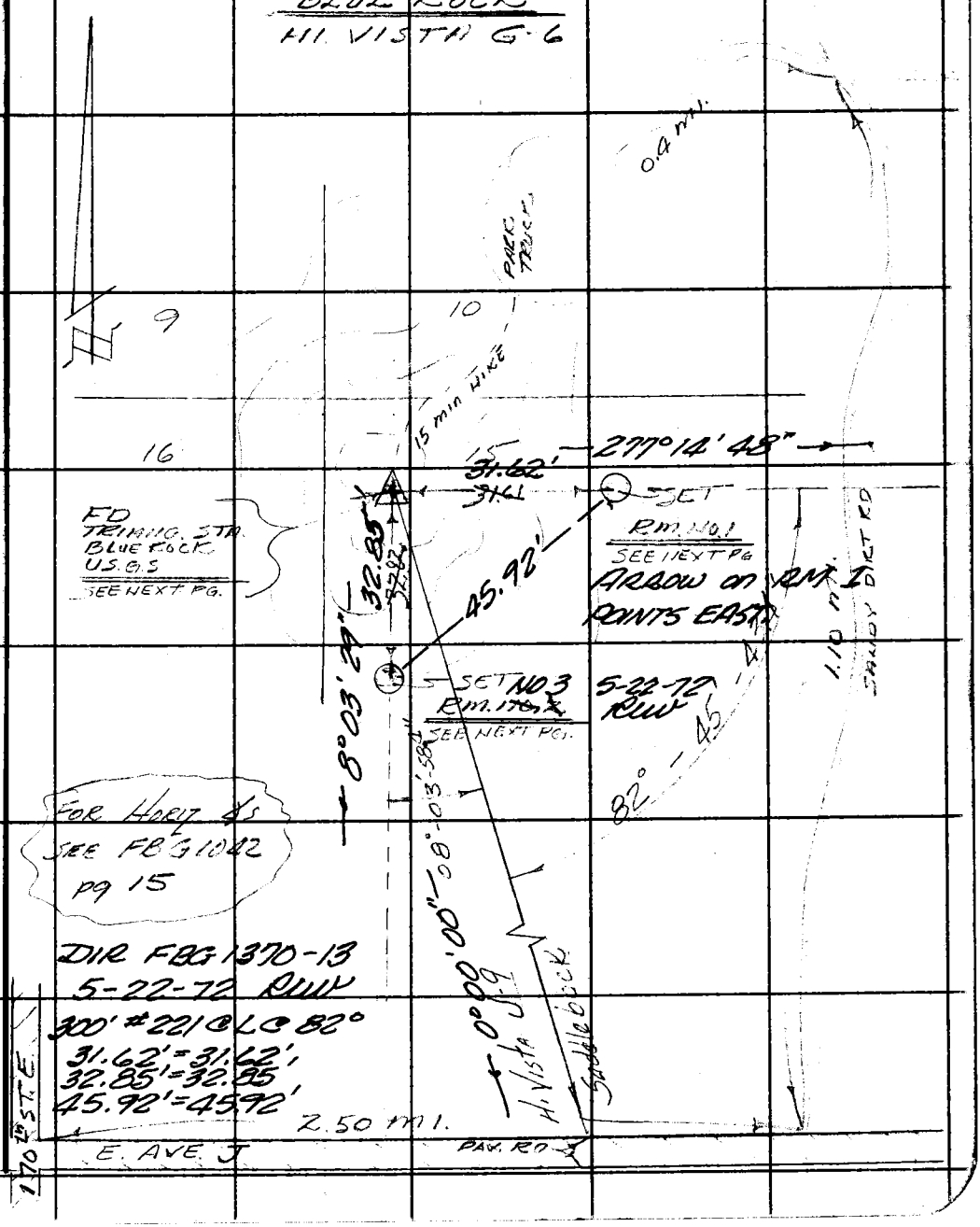
Map No.	JN 030100 Tape 0193 Std 68 °F	
Office Work	Surveyed by AC GUIZ	
Checked	Notes MOODY Date 9-30-69	
Date	Indexed C. J. GALLI	

LA. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

BLUE ROCK

HI. VISTA G-6



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F. B. 943 PG 154

DESCRIPTION
LA. CO SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLUE ROCK
HI VISTA G-6

THIS STATION IS IN THE COUNTY OF LOS ANGELES, ANTELOPE VALLEY AREA, 17.0 MI. EAST OF TOWN OF LANCASTER, ON HIGH ROCKY BUTTE, T 7N, R 9W, H.W. SEC 15.

TO REACH THIS STATION FROM 170th ST E & E. AVE J, GO 2.5 MI. E. ON AVE J TO SANDY DIRT RD. TURN LEFT OR NORTH 1.1 MI. TO FORK OF RD, BEAR LEFT OR W'LY UP DIRT RD 0.4 MI, PARK TRUCK AND HIKE S'LY TO TOP OF HILL (15 MIN ±)

STATION MARK:

FD A STD "4" BRONZE U.S. GEODETIC SURVEY TABLET CEMENTED IN SOLID ROCK STAMED L.A. CO. BLUE ROCK RS. 1929 (SEE USGS CARD)

REFERENCE MARKS:

RMS 1 & 2 SET A STD. L.A. CO. 4" BRONZE RM. TABLET CEMENTED IN SOLID ROCK STAMPED BLUE ROCK, HI VISTA G-6 RM NO 1 1964 LA. CO. ENGR RE 5869, ~~RM #2 SAME AS NO 1 ONLY STAMPED RM NO 2~~ FD. RM 2 DESTROYED 5-22-72 - SET NEW RM3 IN SAME DRILL HOLE - A 4" LA CO. SUR. CONT. S/S BRASS REF MARK DISC STAMPED "HI VISTA G6 RM3 1972 RE 7078" BONDED FLUSH IN ROCK.

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Map No.	JN 0301.00 Tape 0192 Std 68 °F
Office Work	Surveyed by A.C. GUIZADO
Checked	Notes MOODY Date 10-1-64
Date	Indexed C. J. GALLI

F. B. 743 PG. 155

LA COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION T84° 300# 221

IVY

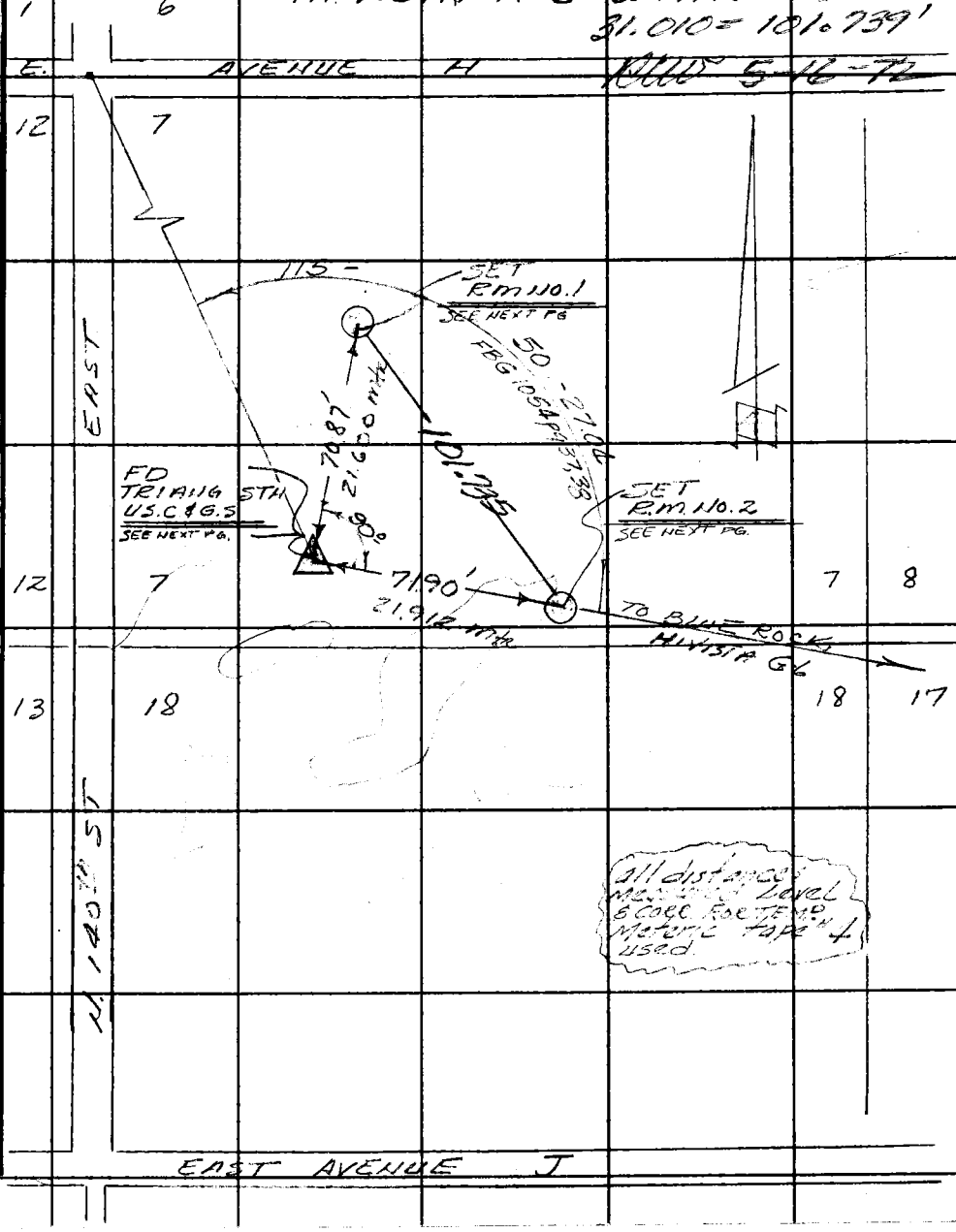
HI. VISTA A-6

101.735' = 101.735'

50 MTR M6

31.010 = 101.739'

KMW 5-16-72



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76F309S CE #310 6-62

F. B. 943 PG 156

DESCRIPTIONS

LA. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

IVY

HI VISTA A-6

THIS STATION IS IN THE COUNTY OF LOS ANGELES, ANTELOPE VALLEY AREA, 15 MI. EAST OF LANCASTER, ON THE NORTH SIDE OF SANDY DUNE RIDGE WHICH LIES ABOUT ON THE EAST & WEST SEC. LINE, IT IS IN THE S.E. COR. OF THE S.W. QUARTER OF SEC 7, R9W, T7N

TO REACH THIS STATION FROM 140th ST. E. & E. AVE. I, GO EAST ON DIRT TRACK RD 0.4 MI. TO STATION

STATION MARK: SET A STD. 4 BRONZE U.S. COAST & GEODETIC TABLET STAMPED IVY 1947, (SEE U.S.C.&G. CARD)
SUB-SURFACE MARK PER NGS 341174-1005 RCW 5-16-72

REFERENCE MARK: SET A STD. 4 BRONZE LA. CO ENGRS RM. TABLET STAMPED IVY, HI. VISTA A-6, RM NO. 1, 1964, LA. CO. ENGR R.E. 5869 UP 4"; RM #2 SAME AS NO. 1 ONLY STAMPED RM. NO. 2.

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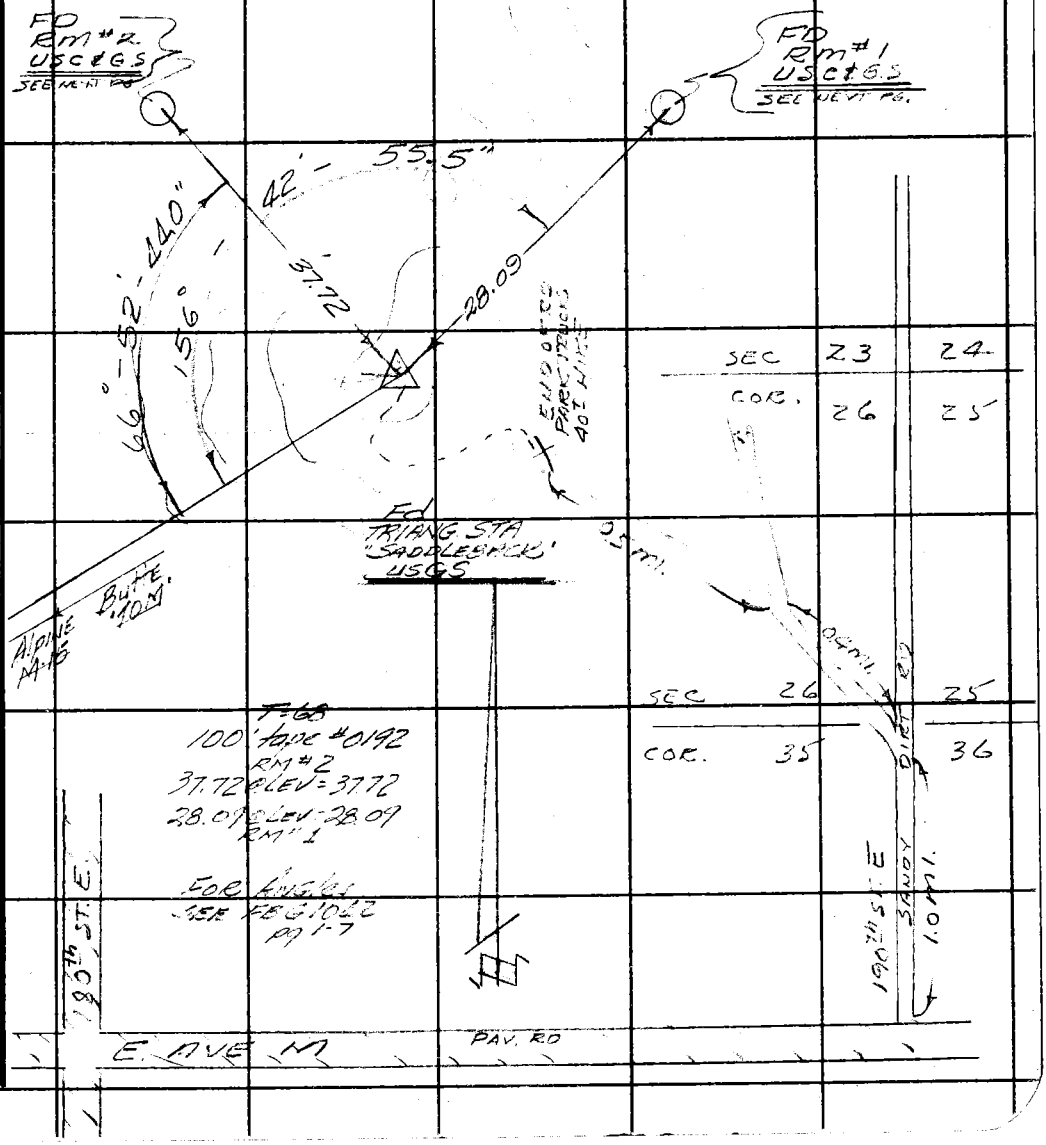
Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 943 PG. 157
Map No.	JN 0301.00 Tape 0192 Std 68 °F	
Office Work	Surveyed by A.C. GUIZADO	
Checked	Notes MOODY Date 9-30-67	
Date	Indexed C. J. CALLI	

LA COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

SADDLE BACK

HI. VISTA J-9



Noted on Index Card
Placed on S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Sur. Type Card

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76F3095 CE #310 6-62

F. B. 943 PG. 158

DESCRIPTIONS

LA. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

SADDLE BACK
HI VISTA J-9

THIS STATION IS IN THE COUNTY OF LOS ANGELES, ANTELOPE AREA, 17 MI. EAST OF LANCASTER, ABOUT 10' W. OF THE HIGHEST ROCKY POINT ON THE N.E. PEAK OF SADDLE BACK MOUNTAIN, T 7N, R 9 W, S.E. COR. OF SEC. 23

TO REACH THIS STATION FROM 190th STE. & E. AVE "M", GO N'LY ON SEC LINE 1.0 MI. TO FORK OF RD, BEAR LEFT 0.4 MI. TO FORK OF RD, BEAR LEFT 0.5 MI. TO END OF RD., N.N.E'LY UP SIDE OF RIDGE TO POINT, ABOUT 40 MIN. HIKE

STATION MARK: FD. A STD. 4" BRONZE U.S.G.S. TABLET SET IN BEDROCK & STAMPED L.A. COUNTY SADDLE BACK R.S. 1929 (SEE USGS. CARD)

REFERENCE MARKS: FD. A STD 4" BRONZE U.S. COAST & GEODETIC SURVEY TABLET & STAMPED USGS, LAC. SADDLE BACK NO 1 1933, RM. NO 2 SAME AS NO 1 ONLY STAMPED NO. 2

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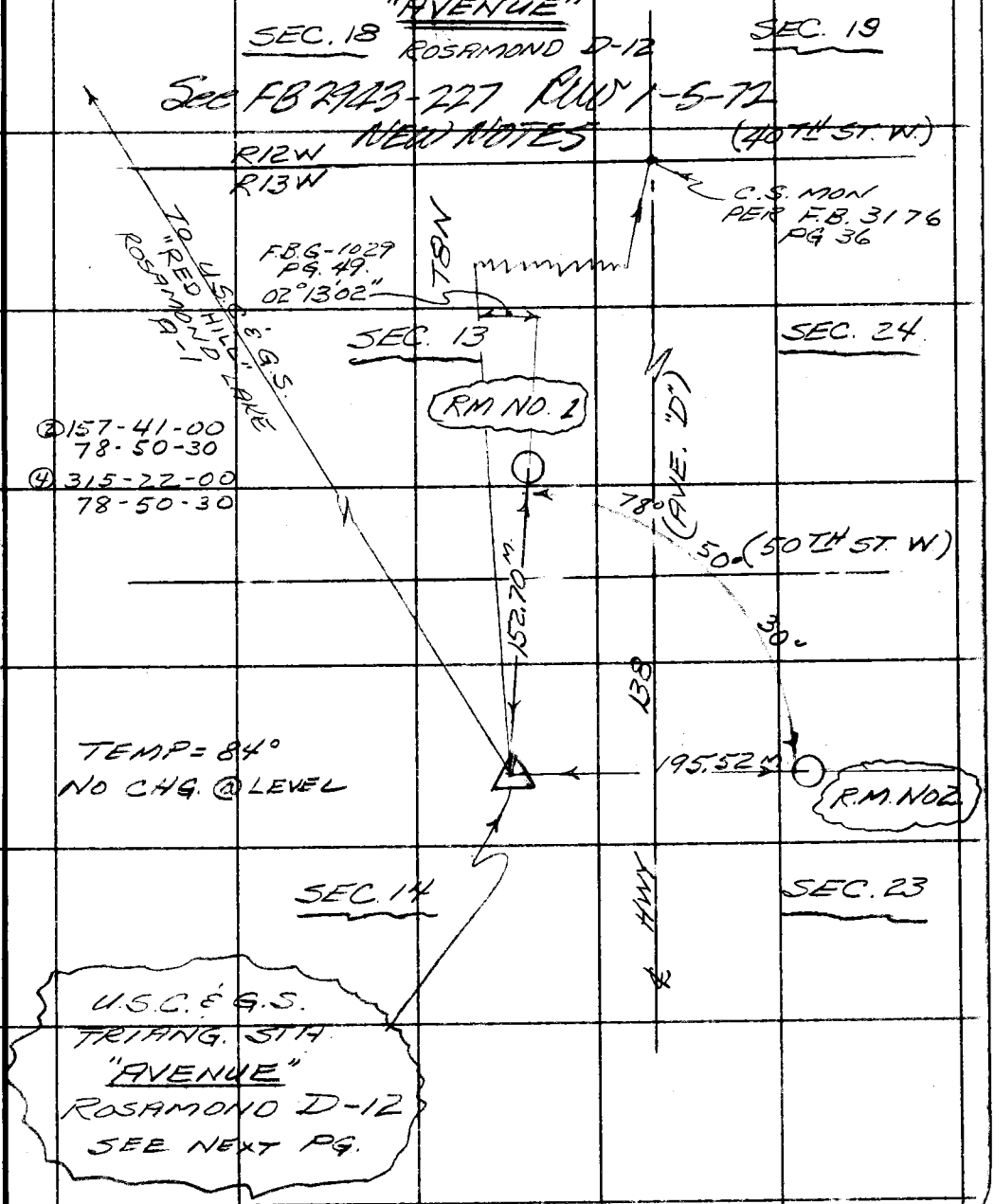
Map No.	JN 0301.00 Tape 0136 Std 84 °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes J. BAZEN Date 5-26-64
Date	Indexed C. J. CALLI

F. B. 943 PG. 159

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"AVENUE"
ROSAMOND D-12



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Placed on U.S.C. & G.S. Bond. Shts.
Placed on Sec. Div. W. S. No.
Sketch on Doc. Desc. Card

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76F309S CE #310 6-62

F. B. 943 PG. 160 — DESCRIPTIONS —

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"AVENUE"

ROSAMOND D-12

THIS STATION IS IN THE COUNTY OF LOS ANGELES 5 MILES NORTH & 4 MILES W. OF THE CITY OF LANCASTER. (R13W-T8N & NEAR THE S.E. COR OF SEC. 14.) & IS LOCATED 103 FT. N. OF ℄ OF STATE HWY 138 & 77 FT W. OF APPROX. ℄ OF 50TH ST. W.

STATION MARK:
FD. A. STD. 4" BR. DISK SET IN A 12"x12" CONC. PAD UP 5" & STAMPED "AVENUE 1960" (SEE DESCRIPTION CARD.)

REFERENCE MARKS:
R.M.1 + 2, FD. STD. 4" U.S.C.&G.S. BRASS CAP R.M.'S SET IN 12"x12" CONC. PADS UP 6" & STAMPED "AVENUE NO 1 1960" + "AVENUE NO. 2 1960" RESPECTIVELY.

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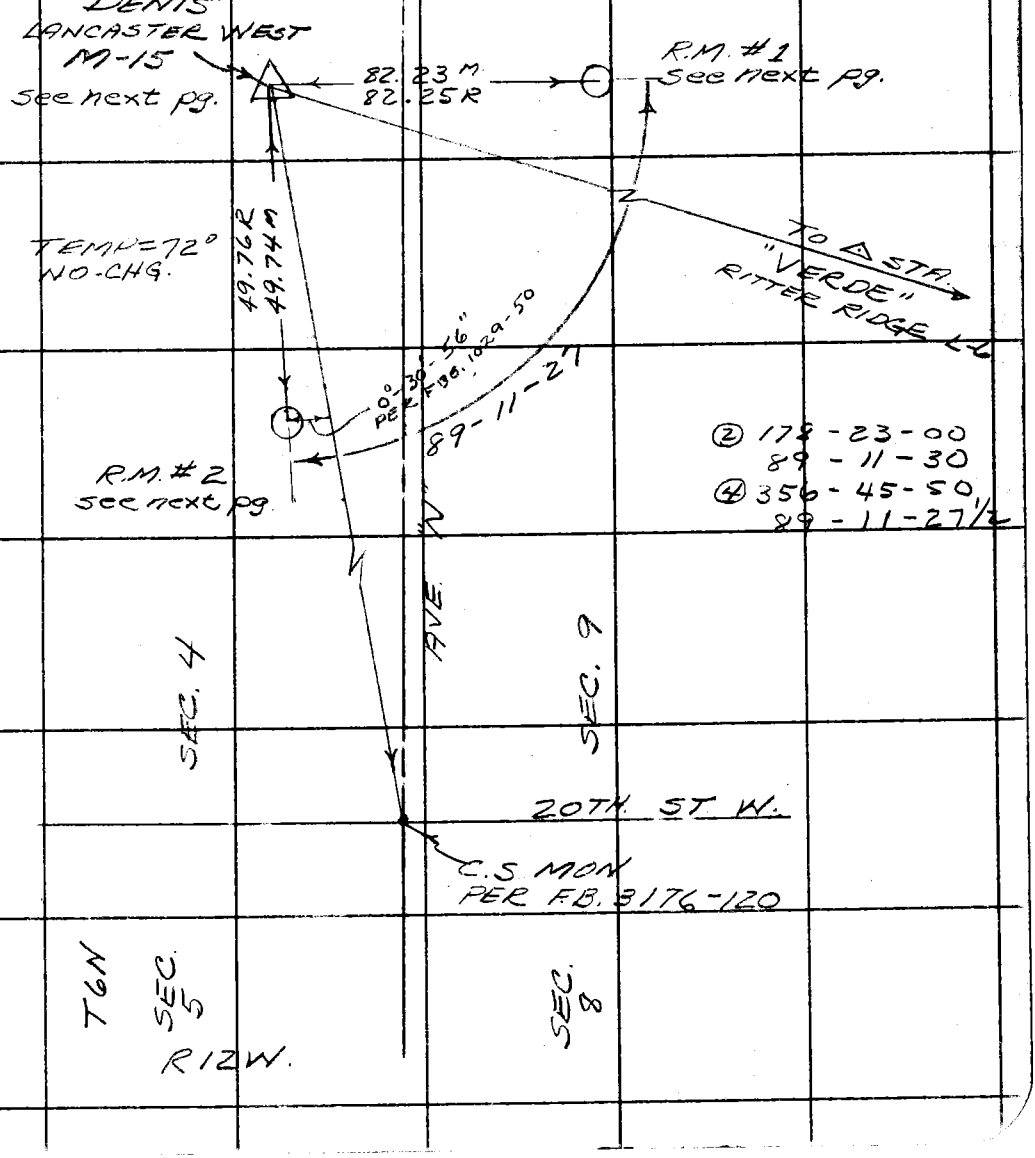
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tap 0105 Std 68 °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes J. BAZEN Date 5-27-64
Date	Indexed C. J. [illegible]

F. B. 143 PG. 16

Noted on Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Bldg. Desc. Card

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"DENIS"
(LANCASTER WEST M-15)



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CE #310 6-62

F. B. 963 PG. 162 — DESCRIPTION —

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"DENIS"

(LANCASTER WEST M-15)

THIS STATION IS IN THE COUNTY OF LOS ANGELES ABOUT 5 MILES SO. OF THE CITY OF LANCASTER, 1 MILE W. OF U.S. HWY 6 + 40 FT N OF ℄ OF AVE. "N" (R12W-T6N) + IS IN THE S.W. 1/4 OF SEC 3.

STATION MARK:

FD. A STD. 4" U.S.C. + G.S. TRIANG. BR. CAP SET IN A CONC. PAD UP 3" + STAMPED "DENIS 1960"

REFERENCE MARKS:

R.M's 1 + 2, FD. STD. 4" U.S.C. + G.S. BR. CAP REF. MONUMENTS SET IN CONC. PADS UP 4" + STAMPED "DENIS NO. 1 + 2 1960", RESPECTIVELY.

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Map No.	JN 0301.00 Tape 0105 Std 68 °F
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Checked	Notes J. BAZEN Date 4-28-64
Date	Indexed C. [illegible]

F. B. 943 PG. 163

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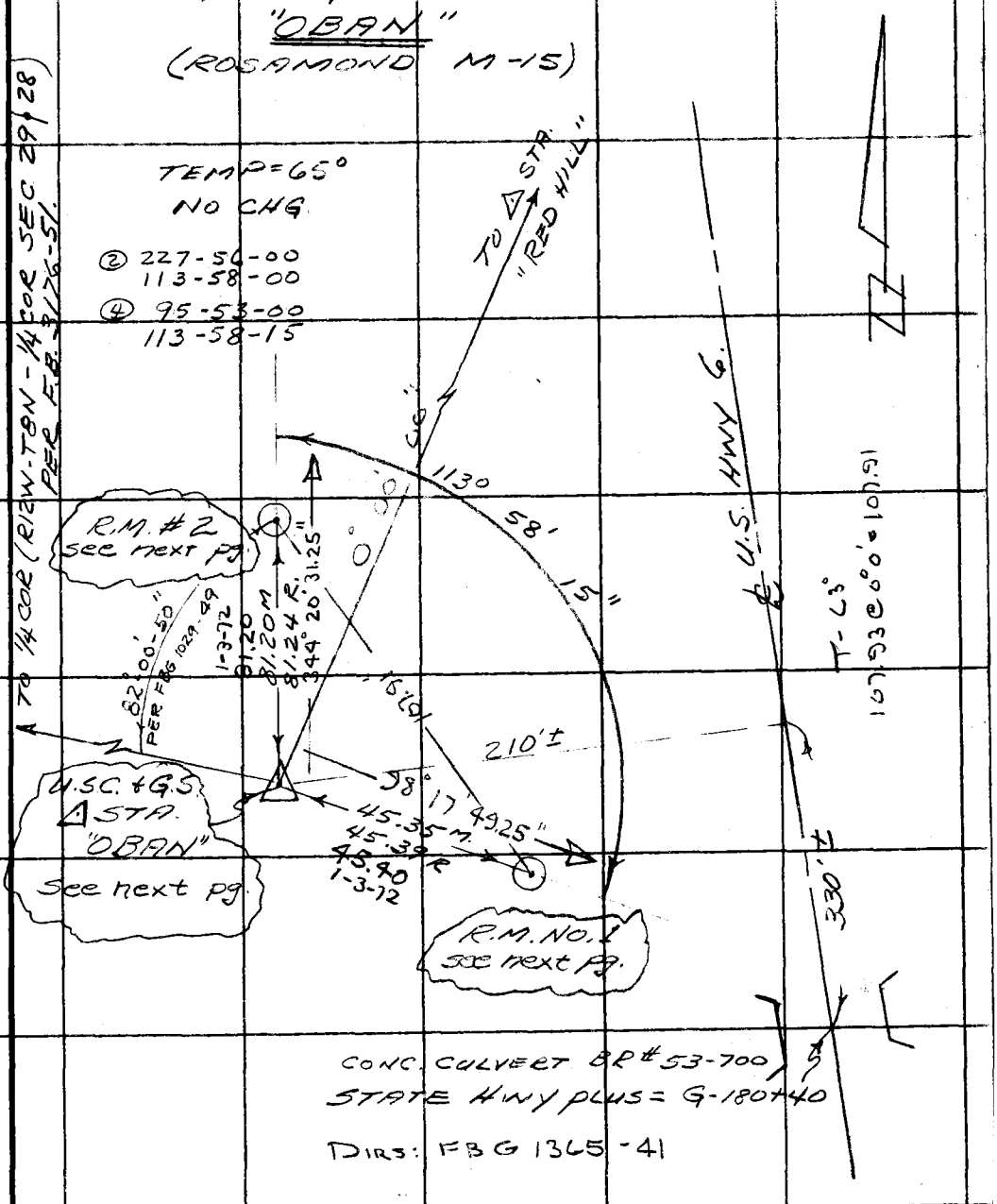
L.A COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"OBAN"
(ROSAMOND M-15)



76F309S CE #310 6-62

F. B. 943 PG. 164 — DESCRIPTION —

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"OBAN."

(ROSAMOND M-15)

THIS STATION IS IN THE COUNTY OF LOS ANGELES 3.3 MILES N. OF THE CITY OF LANCASTER + 210' W. OF THE ℄ OF U.S. HWY 6. (R12W-T8N) + IN THE S.E. 1/4 OF SEC. 27. + IS 0.4 MI. N. OF AVE. "F"

STATION MARK:

FD. A. STD. 4" U.S.G.S. + L.A.C. BR. CAP MON. SET IN A 10" CONC. POST UP 1.3 FT. + STAMPED, "UNT (UPSIDE DOWN) OBAN 1929." (PER U.S.C. + G.S. CARD)

REFERENCE MARKS:

R.M. NO. 1 + 2, FD. STD. 4" U.S.G.S. + L.A.C. BR. CAP REF. MON. SET IN 10" CONC. PADS UP 6" + STAMPED "OBAN NO. 1 + 2 1941" RESPECTIVELY.

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Notes Ck'd by	Survey of SECTION LINES
Map No.	JN 0301.00 Tape 0105 Std. 68 °F
Office Work	Surveyed by R C. WILSON
Checked	Notes J. BAZEN Date 4-28-64
Date	Indexed C. J.

F. B. 743 PG. 165

Note: Geo. Index Card
Plat. U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. Map
Sketch on Geo. Disp. Card

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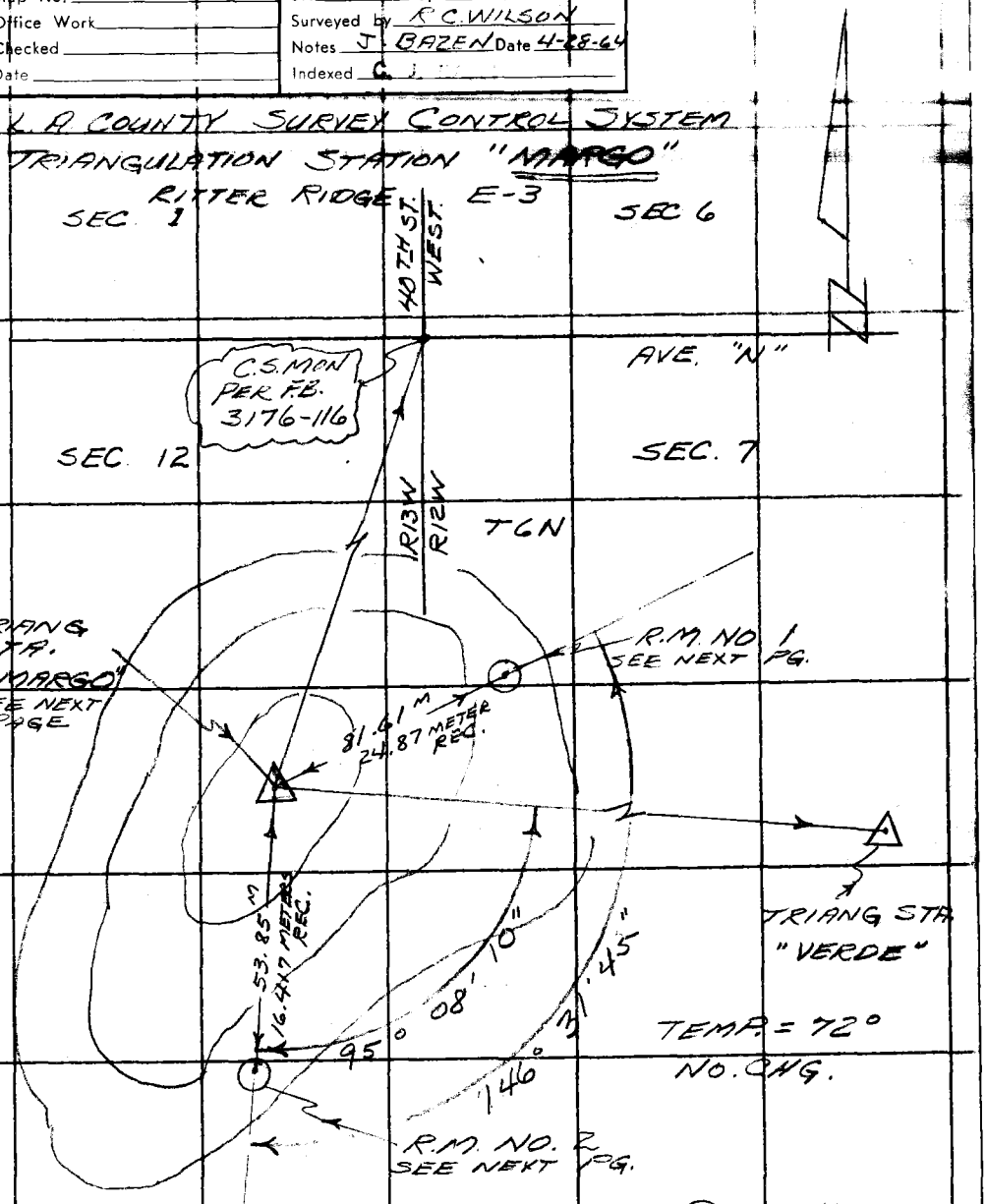
76F309S CE #3 0 6-62

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION "MARGO"



② 190-16-30
95-08-15

④ 20-32-40
95-08-10

② 293-03-40
146-31-50

④ 226-07-00
146-31-45

F. B. 943 PG 166 ~ DESCRIPTION ~

L.A. COUNTY SURVEY CONTROL SYSTEM

RITTER RIDGE E-3
"MARGO"

THIS STATION IS LOCATED IN SEC 13 T6N R13W & IS ON TOP OF A HILL NEAR TO S.E. END OF PORTAL RIDGE, ABOUT 6 MILES W. BY N.W. OF THE CITY OF PALMDALE & 3 MILES S OF CITY OF QUARTS HILL & ONE MILE S.E. OF THE LEON VALLEY-LANCASTER ROAD. THIS STATION CAN BE REACHED FROM THE INT. OF AVE "N" & 50TH ST. W. BY TRAVELING SO. ON 50TH ST. W. 1.0 MI., THEN TURN RT. AT END OF OF ALMOND GROVE & FOLLOW DIRT RD. 0.1 MI. TO WHITE FENCE, TURN LT. THRU GATE & PROCEED UP GRADED DIRT RD. 0.5 MI. TO SHARP CUT-BACK TO LT., TURN LT. + DRIVE 0.8 MI. TO OLD BARB WIRE FENCE, PASS THRU FENCE & PROCEED DOWN GRADE 0.1 MI. TO "Y" IN RD., REAR LT + UP GRADE 0.6 MI. TO TOP OF HILL & STATION.

STATION MARK:

FD. STD. U.S.C. & G.S. 4" BR. CAP MON SET IN OUT CROPPING OF ROCK UP 3" + STAMPED "MARGO" 1938."

REFERENCE MARKS:

R.M.'S NO. 1 & 2, FD. STD. 4" U.S.C. & G.S. BR. CAP REF. MON SET IN OUTCROPPING OF ROCKS UP 3" & STAMPED "MARGO NO. 1 & 2 1938" RESPECTIVELY.

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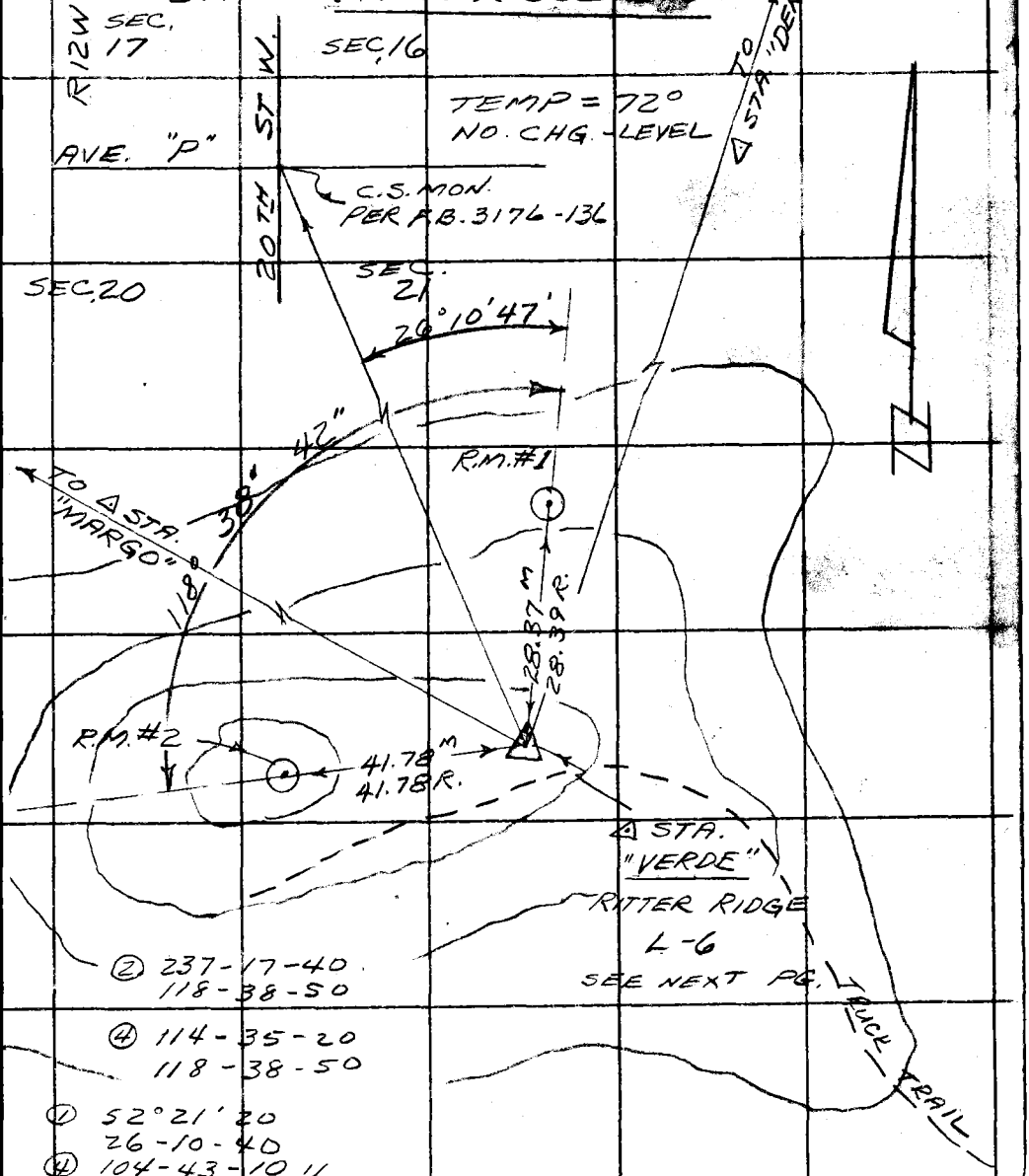
Map No.	JN 0301.00 Tape 0105 Std 68 °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes J. BAZEN Date 5/26/64
Date	Indexed

F. B. 943 PG. 167

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STA.

"VERDE"



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76F309S CE #310 6-62

F. B. 943 PG 165 — DESCRIPTIONS —

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"VERDE"

RITTER RIDGE L-6

THIS STATION IS IN THE COUNTY OF LOS ANGELES 1.5 MILES W. OF THE CITY OF PALMDALE (T6N-R12W) & IN THE S.E. 1/4 OF SEC. 28, LOCATED ON TOP OF RITTER RIDGE. STA CAN BE REACHED BY TRAVELING SO. ON 10TH ST W. FROM INT. @ AVE. Q 0.4 MI., BEAR RT. FOLLOWING MAIN DIRT RD. TO TOP OF SADDLE 0.5, THEN PROCEED DOWN + BEAR RT TO TOP OF RIDGE 0.3 MI., TURN RT. + FOLLOW RIDGE 0.5 MI. TO STATION.

STATION MARK:

FD. A STD. U.S.C + G.S. BR. CAP SET IN A 4" C.I. DRAIN PIPE UP 10" & STAMPED "VERDE 1938" (FD. PER U.S.C. & G.S. CARD)

REFERENCE MARKS:

R.M. NO. 1 & 2, FD. STA. 4" U.S.C + G.S. REF. MON. SET IN 4" C.I. PIPES + UP 8" & STAMPED "VERDE NO. 1 + 2 1938" RESPECTIVELY.

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Notes Ck'd by	Survey of A.V. CONT. NET
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed

F. B. PG.

ANTELOPE VALLEY TRIANGULATION
STATION & SCHEME

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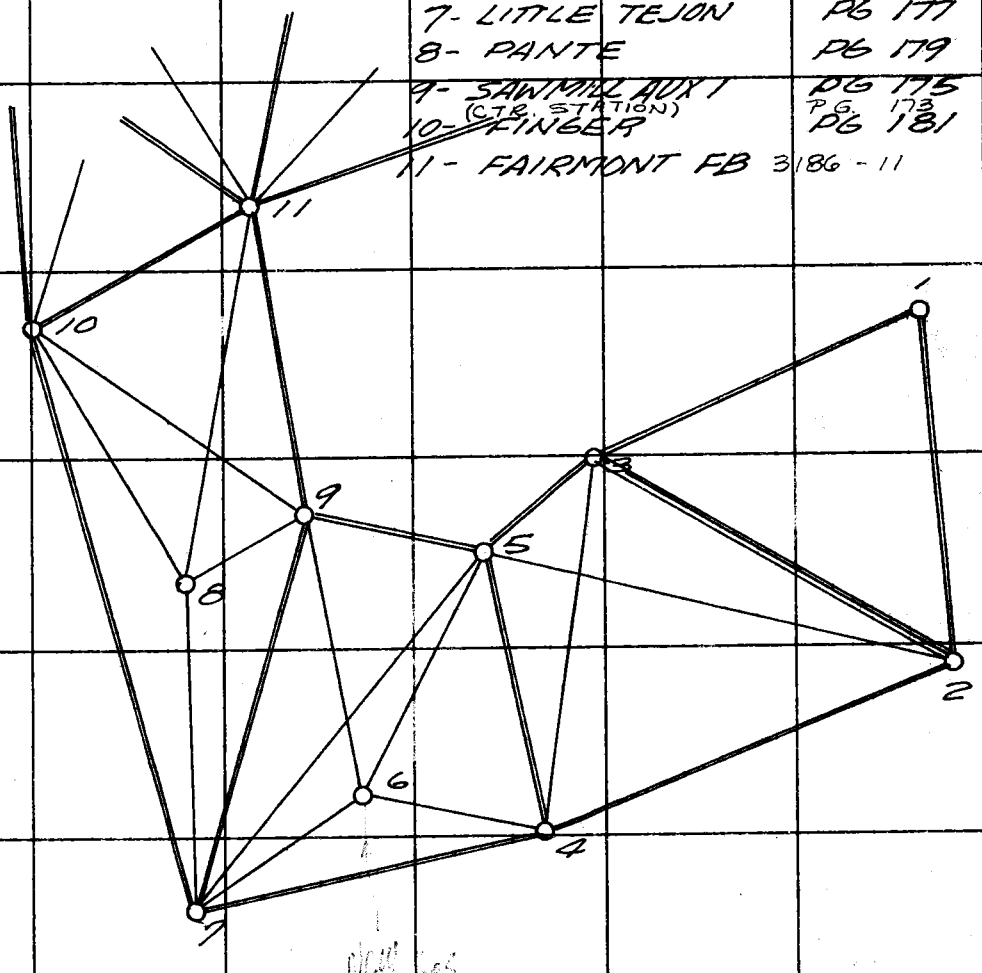
2- PICO L-9 ecc 1 AUX-2 FB 525 - 117 & 118
3- DEER FB 2457 - 143
4- WHITAKER FB 2457-139
5- WARM SPRINGS PG 171
6- RESERVOIR PG 169
7- LITTLE TEJON PG 177
8- PANTE PG 179
9- SAWMILL AUX 1 PG 175
10- FINGER (CTR. STATION) PG. 173 PG 181
11- FAIRMONT FB 3186 - 11

CONT TOP PG



New Notes.

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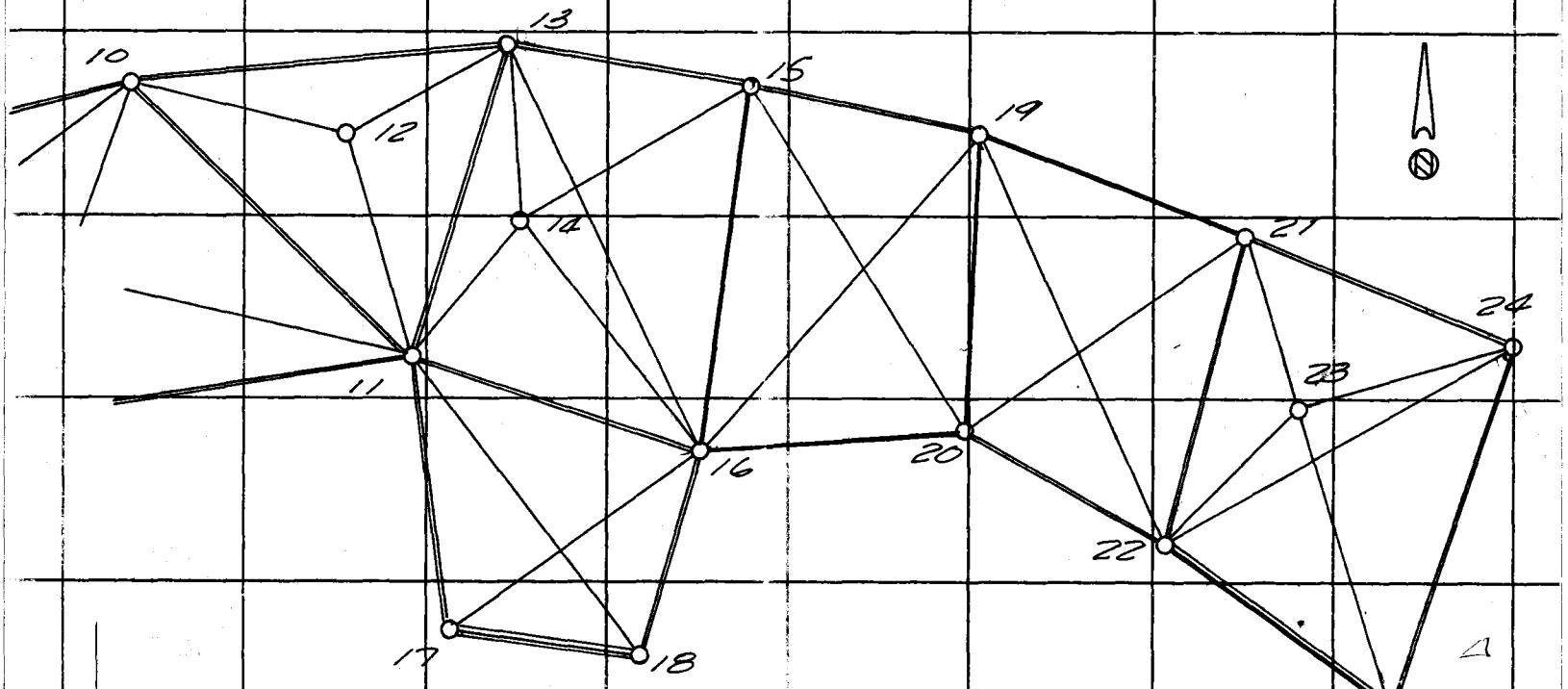

12- MOVE PG 183
13- SPRINGS PG 187
14- LITTLE BUTTE 185
15- RED HILL
16- LANCASTER PG 195

17- PELONA FB 2457-43
18- HAUSER FB 2457-71
19- BUCKHORN-2 PG 189
20- YARD PG 199
21- GRINELL PG 191
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AUX-1
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23- Saddleback PG 157
24- ADOBE PG 193
25- EAST BASE PG 9

F.B. ____ PG ____

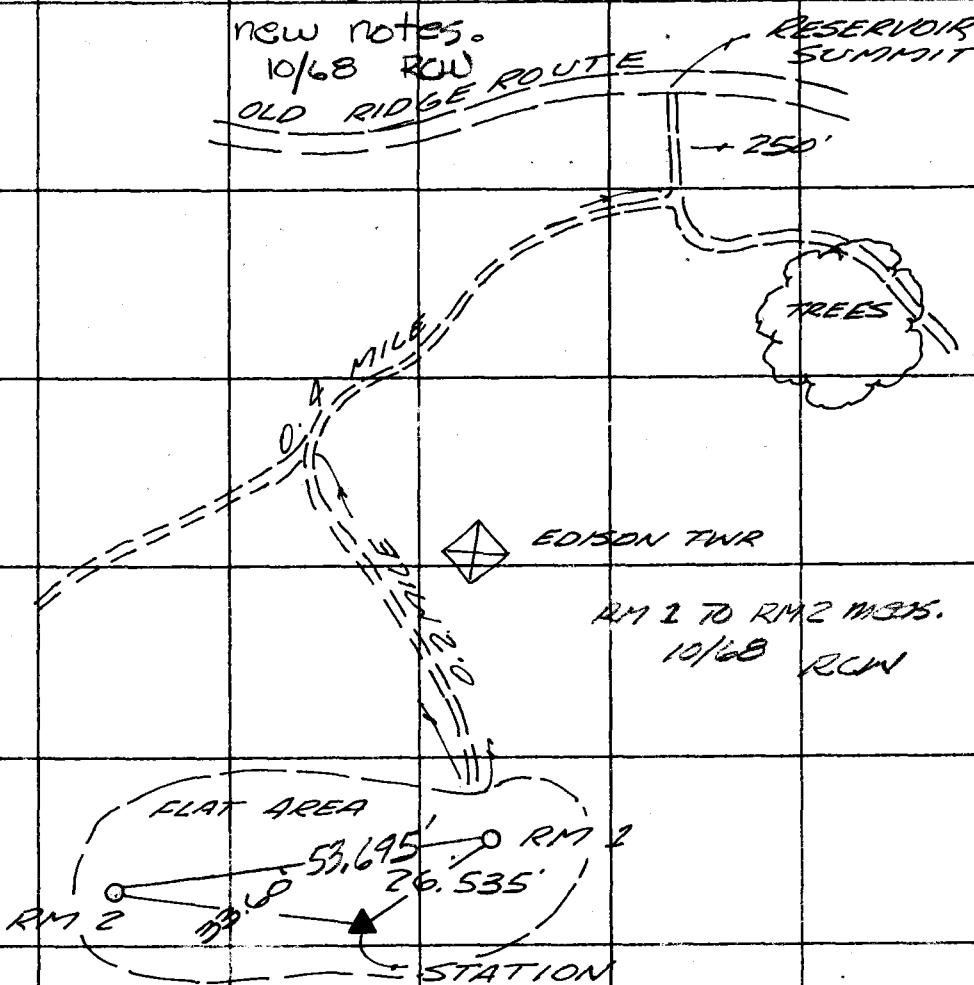
Notes Ck'd by	Survey of A. VALLEY
Map No.	JN 230.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GAI MAY 12

F. B. 945 PG. 167

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LIEBRE MTN C-11
"RESERVOIR"

See FB 2060-231 for new notes.
10/68 RCW



(Tape 0137 @ 68° Std.)

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76F309S CE #310 6-62

F. B. 923 PG 170

This Station is located in Los Angeles County near the N.W. cor. of Sect 31, T7N R17W about 11 miles North and 6 miles West of Castaic.

ROUTE: Commencing at Elizabeth Lake Cyn Rd. and the Old Ridge Route:(1½ mile N.Castaic) Follow the Old Ridge Route Rd. 16 miles to Reservoir Summit---turn lft on dirt rd. 250' to rd. to rt.---thence nly over dirt rd. 0.4 mile(passing Edison Towers) to summit and remains of old lookout tower and the station. (0.2 MILE TO FORK - BEAR LFT)

STATION MARK: A L.A. CO. SURVEY CONTROL SYSTEM mark set in the stem hole of the USC&GS mark and stamped "RESERVOIR LIE. MTN. C 11 1965" set in conc. pad up about 8 inches.

R.M. NO.L: USC&GS 4" disc set in the conc. footing of the old lookout tower (S.E. Leg) stamped "RESERVOIR NO. I 1941"

R.M. NO. 2: USC&GS 4" disc set in conc. post up 4" and stamped "RESERVOIR NO.2 1941".

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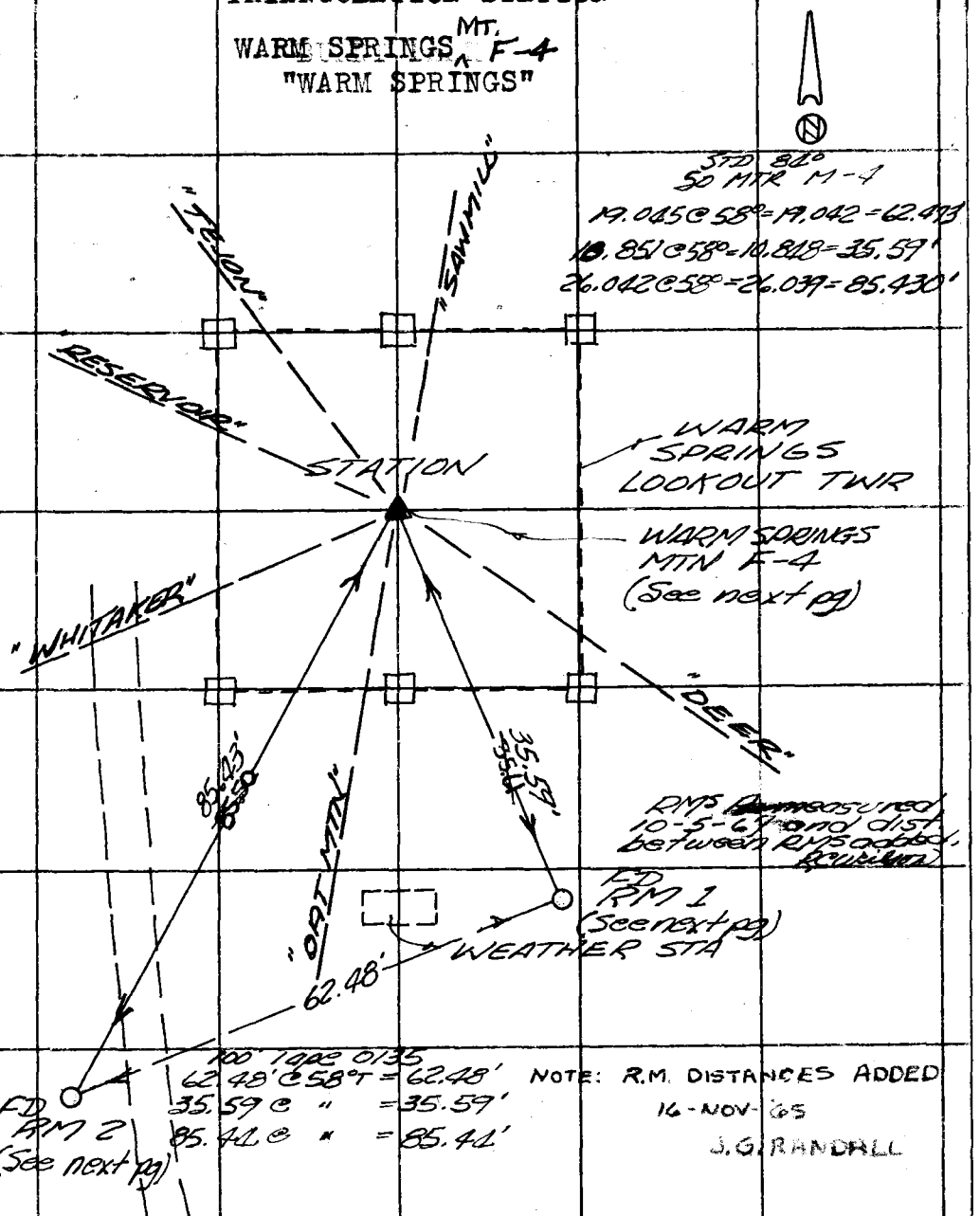
Notes Ck'd by	Survey of A. VALLEY
Map No.	JN 0301.00 Tape 0191 Std 68 °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 945 PG. 171

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

WARM SPRINGS MT. F-4
"WARM SPRINGS"



NOTE: R.M. DISTANCES ADDED
16-NOV-65
J.G. RANDALL

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76F309S CE #310 6-62

F. B. 943 PG 172

This station is located in Los Angeles Co. near the center of section 21 T6N R16W under the center of the Warm Springs Lookout Tower.

ROUTE: From Castaic follow Elizabeth Lake Cyn Rd. to the Warm Springs County Camp entrance on the lft---turn lft thru gate (no lock) 0.9 miles to a fork---bear rt. and continue up Cyn (North side) 1.9 miles to a saddle---two rds. lead to the west---continue on main rd. Swly (sign on rt. Warm Springs Lookout 5) 2.4 miles to fork---turn lft (Sely) 1.2 mile to fork--- (Sign Warm Springs Lookout ½) bear lft 0.5 miles to Lookout Twr. and Station.

STATION MARK: USC&GS 4" brass disc set under under the center of the tower in a conc. pad flush and stamped "WARM SPRINGS 1941"

R.M.NO.1: USC&GS 4" disc set in conc. post up 6" stamped "WARM SPRINGS NO.1"

R.M.NO.2; Same as 1 stamped "NO.2".

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Notes Ck'd by	Survey of A. VALLEY
Map No.	JN 2301.00 Tape Std °F
Office Work PLW	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 943 PG. 175

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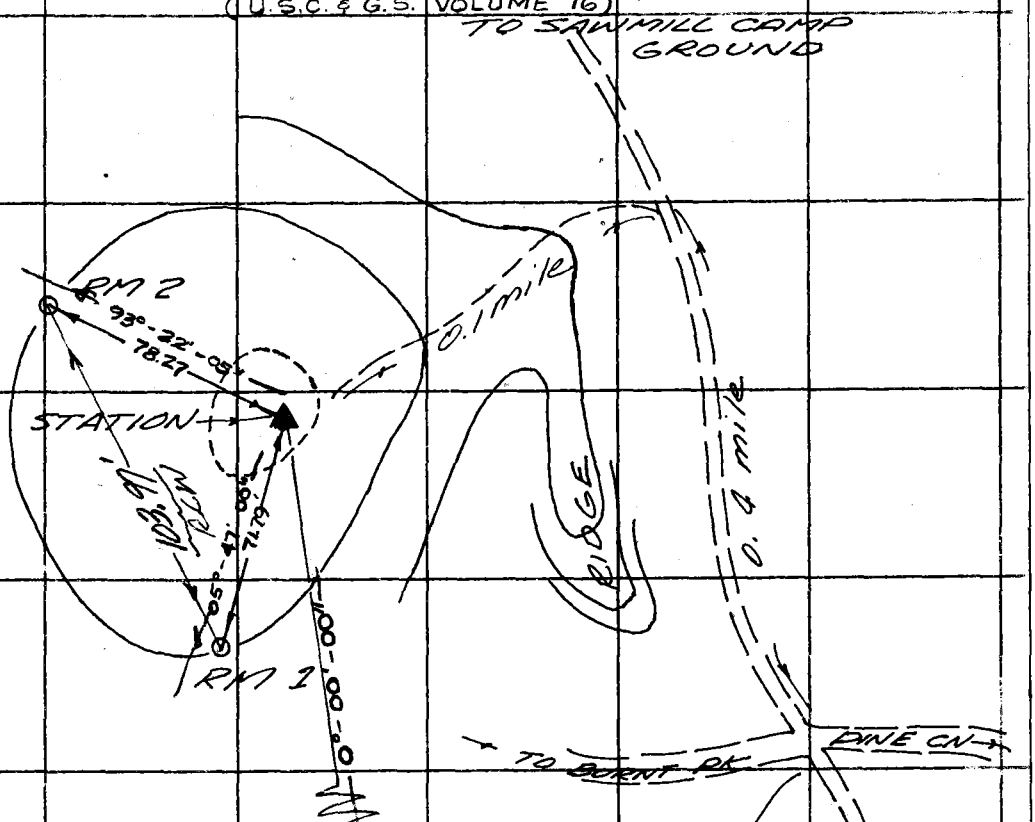
L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BURNT PEAK H-7
"SAWMILL"

(U.S.C. & G.S. VOLUME 16)



NOTE:
DISTANCE & ANGLE MEASUREMENT
ARE PER F.B. 943-228
Added above to page, 28-Nov-66
JG Randall

TO WARM SPRINGS F-4
F.B. 943-171 28-NOV-66
JG Randall

#0243
103,976.720
10-16-70
RCW

76F309S CE #310 6-62

F. B. 943 PG 172

This station is located in Los Angeles County on Sawmill Mountain about 6½ miles West of Lake Hughes and 1¼ miles South of Pine Cyn Road. It is not located on the highest peak in the area, Burnt Peak to the south about about one mile, being higher.

To reach the station from the intersection of Pine Cyn Rd. and Elizabeth Lake Cyn Rd: Wly on Pine Cyn Rd. 4.4 mile to the Sawmill Mtn. truck road at the crest of a small hill---thence lft and Wly up the truck trail 1.8 mile to a fork---(Sign on rt "Sawmill Camp 3 miles, ect") follow rt fork 1.1 miles to summit and "Burnt Peak Junction"---turn rt toward Sawmill Camp Ground upgrade 0.4 mile to traveled track to the lft---thence up traveled track 0.1 mile to the summit and the station. Directions from the station from Warm Springs Lookout to the south to Cobblestone Mtn in a Swly direction are blocked by Burnt Peak.

STATION MARK: A 4" USC&GS Disc set in a square conc. post flush and stamped "SAWMILL 1932.

R.M.#1: A USC&GS 4" disc set in a conc. post flush stamped "SAWMILL 1932 NO. 1"

R.M.#2: Same as 1 stamped "SAWMILL 1932 NO.2"

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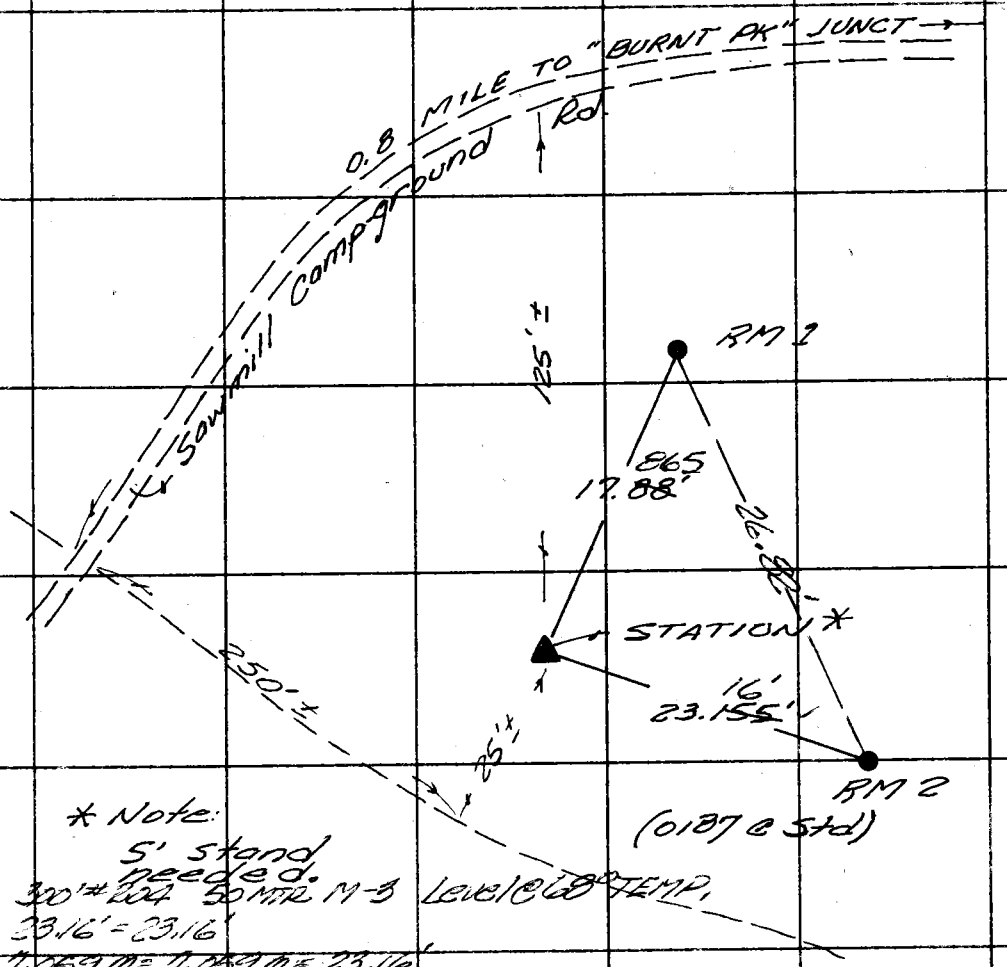
Notes Ck'd by	Survey of A.V. NET
Map No.	JN 0301.00 Tape 0137 Std 68 °F
Office Work Paw	Surveyed by BC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 943 PG. 175

Noted on Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Ser. Div. W.S. No.
Sketch on Geo. Desc. Card

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK H-7A
AUX NO. 1



* Note:
5' stand needed.
300'# 204 50 MTR M-3 Level @ 68° TEMP.
23.16' = 23.16'
7.059m = 7.059m = 23.16'
17.865' = 17.865'
5.445m = 5.445m = 17.865'
26.82' = 26.82'
8.174m = 8.174m = 26.82'
DISTANCES REMEASURED 11-10-70 BCWilson

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76F309S CE #310 6-62

F. B. 943 PG 176

THIS STATION is located in Los Angeles County on Sawmill Mtn. about 6½ miles West of Lake Hughes and 1¼ miles south of Pine Cyn. Road. The USC&GS station lies to the south east on a knob about 1000' distant and 150' higher in elevation.

ROUTE: To reach the station from the intersection of Pine Cyn Rd and Elizabeth Lake Cyn Rd.:
Wly on Pine Cyn Rd. 4.4 miles to the Sawmill Mtn. truck road on the left at the crest of a knoll---thence lft and Wly up the truck trail 1.8 miles to a fork---(sigh on rt. "Sawmill Camp 3 miles" ect.) follow rt fork 1.1 miles to summit and "Burt Peak Junction" Turn right toward Sawmill Camp Ground 0.8 miles to a small saddle, with traveled track crossing the road---thence lft (S Ely) over traveled track 250' to the station.

STATION MARK: L.A. County Survey Control 4" disc set in conc. post, set in conc. and rock, projecting 6" stamped "SAWMILL MTN AUX ~~1965~~ NO 2 H-7A 1965 BURNT PEAK L.A. CO. ENGR. R.E. 5869" PUNCH 11-10-70

RM No.1: County Engineer pre-cast mon. up 4" stamped "R.M. NO. 1 1965 R.E. 5869"

RM NO. 2: Same as 1 except stamped "2".

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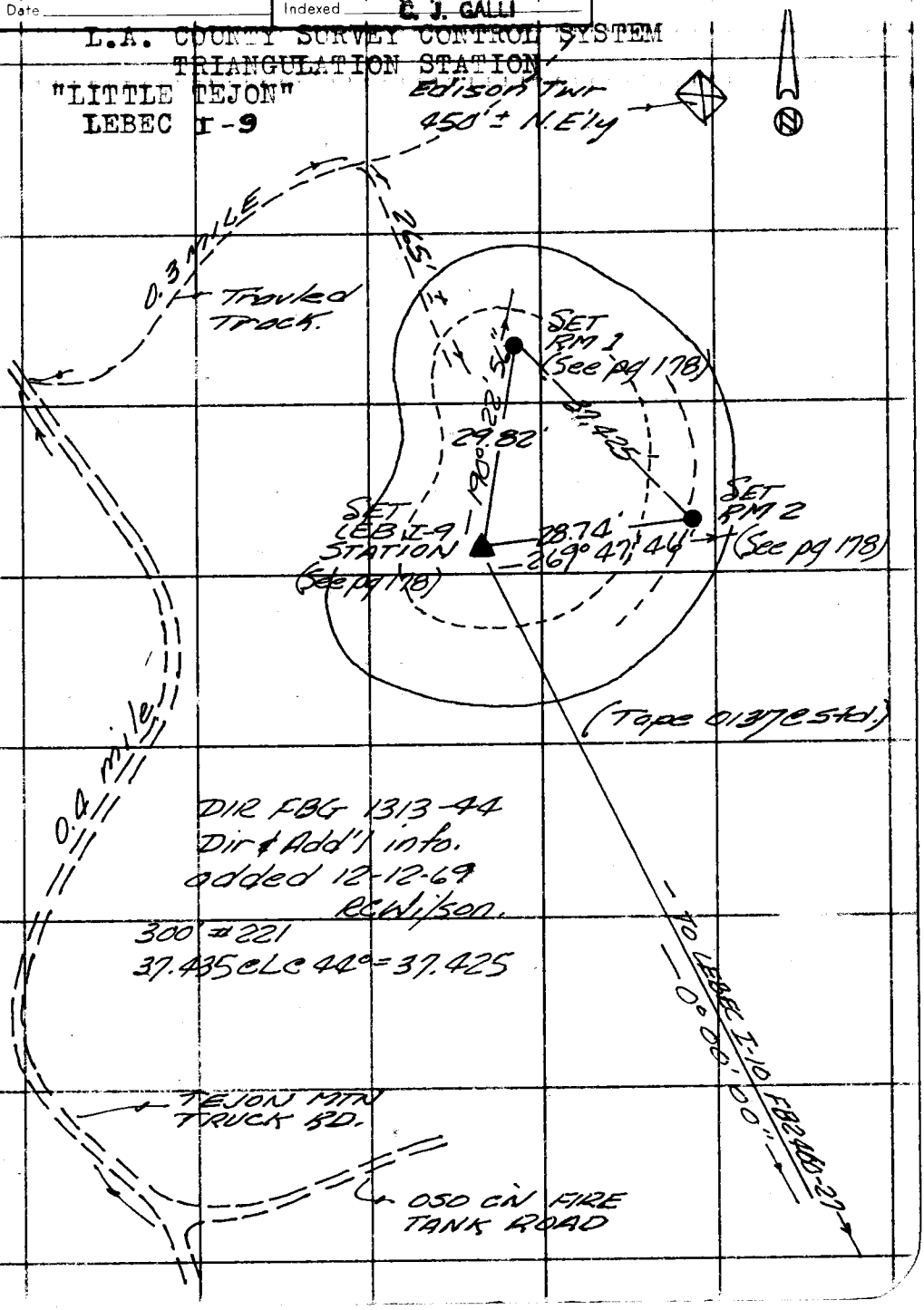
Notes Ck'd by	Survey of Greater A.V.
Map No.	Jn 1301.00 Tape 0137 Std 68 °F
Office Work Pow	Surveyed by RC Wilson
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 945 PG. 177

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"LITTLE TEJON"
LEBEC I-9



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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F. B. 943 PG 178

THIS STATION is located in Los Angeles County on Tejon Mtn. about one mile south of the Kern*L.A. County line and 3000' East of the micro-wave station at the summit of the mountain, on a small knoll 400' West of the Edison High Lines.

ROUTE: From the intersection of Hwy 138 and Hwy 99:
Travel east on 138 2.8 miles to the crest of a small knoll, and a dirt road leading easterly and to the left---thence east over dirt rd 0.2 miles to a locked gate(Lkey) pass thru gate add travel east 0.4 mile to a ~~fork---turn lft(north) up grade and follow~~ dirt road N Wly 1.9 miles to a junction with the Oso Fire Tank Road---thence straight over the Tejon Mtn. Fire Rd. 0.4 miles to a traveled track to the right up a ridge--- thence east over traveled track 0.3 miles to ~~a point 265' N. Wly from the station---~~ Thence right to the station. A DRIVE STATION

STATION MARK: L.A.CO.SURVEY CONTROL 4" DISC set in conc. post, set in conc. projecting 6" stamped "LEBEC 1.9. "LITTLE TEJON" 1965 ~~RE 5869~~".

RM NO 1: Precast County Engineer mon. set flush with the ground stamped "R.M. NO. 1 1965 R.E. 5869"

~~RM NO 2: Same as 1 except stamped "2"~~

LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
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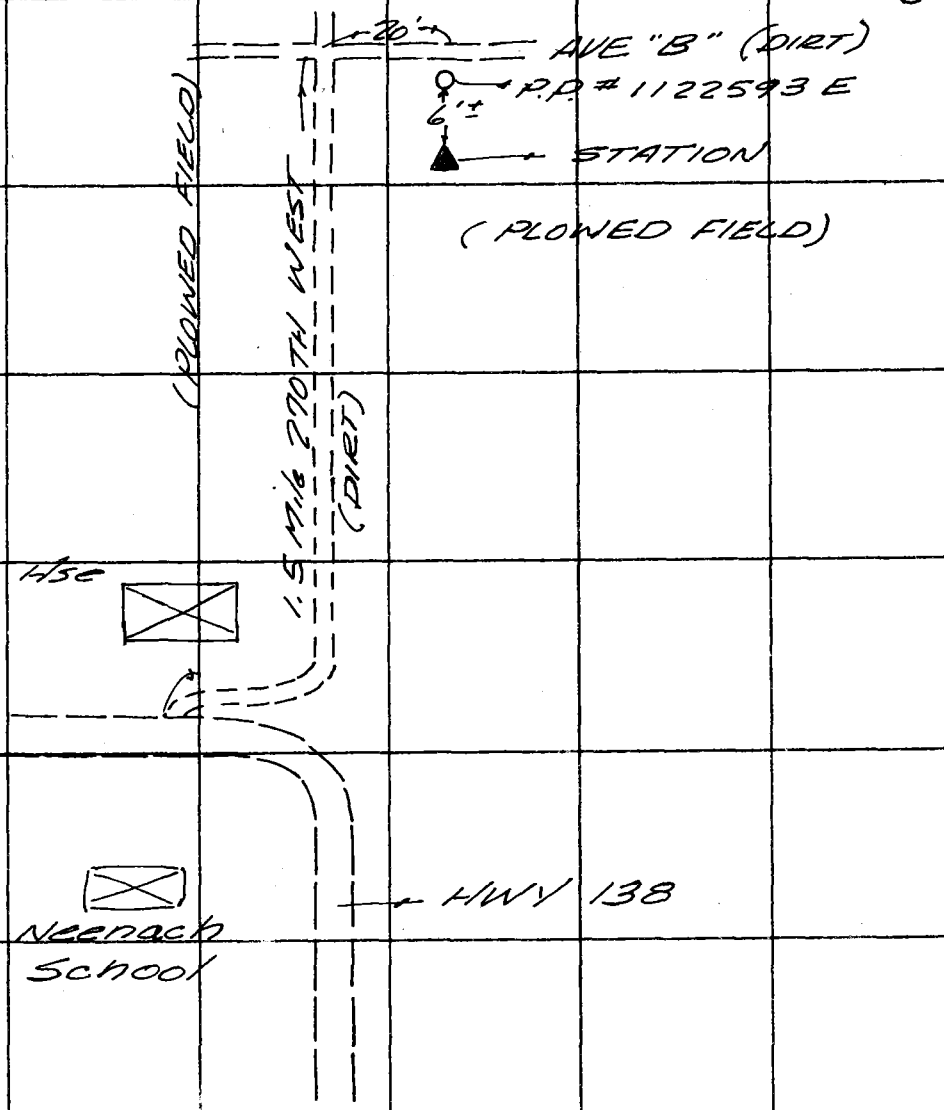
Map No.	Job 2301.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 945 PG. 177

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

USC&GS "PANTE" 1964

NEENACH SCHOOL C-9 (PLOWED FIELD)



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76F309S CE #310 6-62

F. B. 943 PG 180

THIS STATION is in L.A. County in the West end of the Antelope Valley 1 mile south of the County line and North of the Neenoch School.

ROUTE: From Hwy 138 and the intersection of 270th Street West (At the Neenoch School): Travel North over dirt road (270th Street West) 1.5 mile to the intersection of Avenue "B" and 270th Street West---The station is to the right and 6' South of PP # 1122593E.

STATION MARK: USC&GS 4" disc set in conc. post and up about 6" stamped "PANTE 1964".

RM; none found or set 2/13/65 RCW

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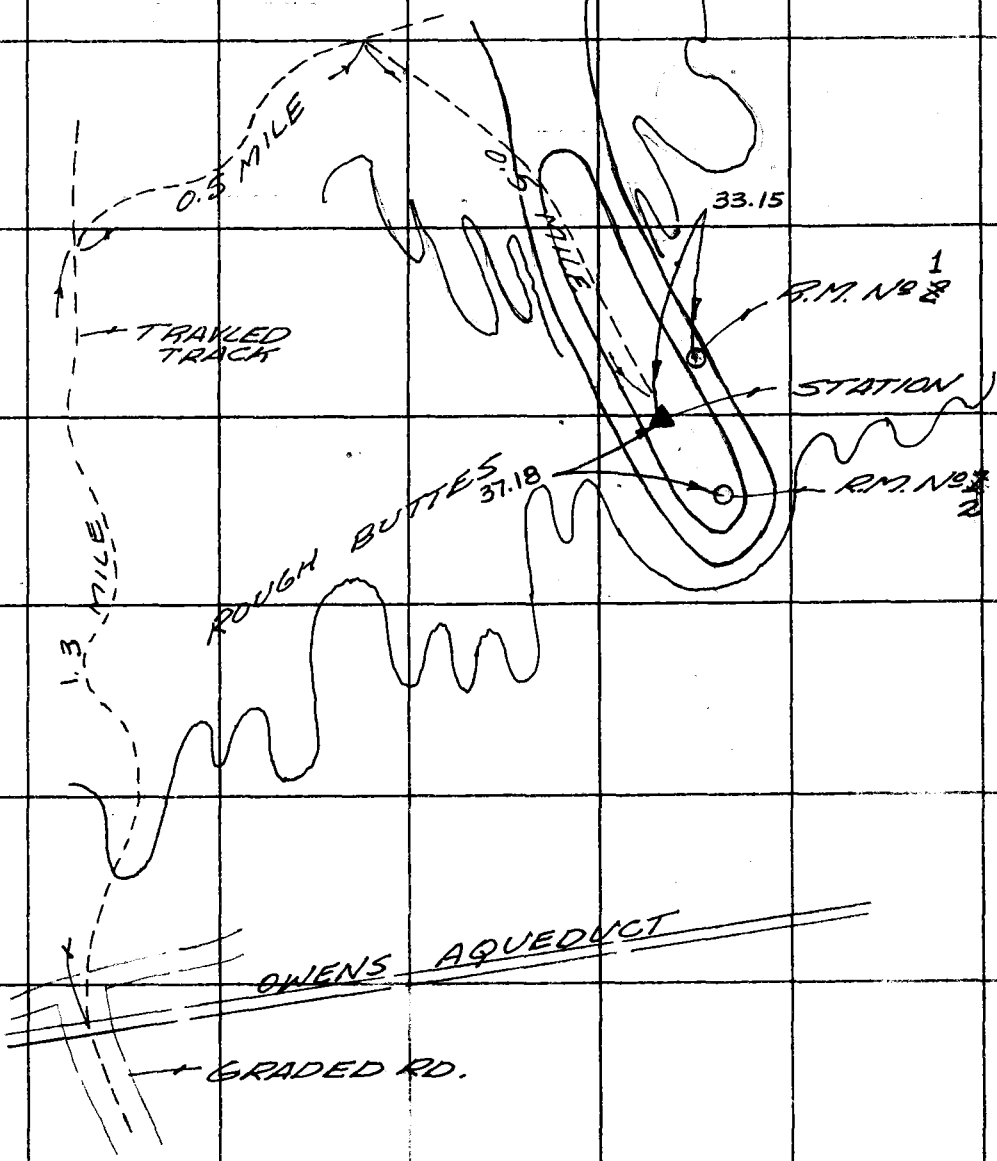
Notes Ck'd by	Survey of A. VALLEY
Map No.	JN 2301.00 Tape Std. °F
Office Work Pam	Surveyed by RCWilson
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 945 PG 181

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

USC&GS STATION "FINGER"
FAIRMONT BUTTE C-1



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S CE #310 8-62

F. B. 943 PG 182

THIS STATION is located is Kern County, about 3¾ miles north of the L.A. COunty line and on the prod. of 280th Street West on the top of a long finger shaped ridge, the most outstanding one in the vicinity.

ROUTE: From the intersection of Hwy 138 (Ave "D") and 170th Street West--- Travel North on 170th St (dirt rd, pav't starts 1.8 miles North) 6.6 miles to a 6 point intersection (Rosemond Blvd crosses in a N Ely direction)---turn lft (West) on dirt road 1.4 miles to an intersection (Crossing under power lines at 0.8 miles) ---turn lft over ~~dirt road 2.5 miles to a cross road---turn~~ right for 0.3 miles to the Owens Valley Aqueduct Cross over Aqueduct and continue in a Nly direction (crossing over graded road) on a traveled track 1.3 miles to a fork (Old abandoned car on the right)---turn right up the hill in a ~~N Ely direction 0.5 miles to a fork---turn~~ right in a S Ely direction 0.5 miles up hill to the station. (4 Wheel may be needed here) A DRIVE STATION.

STATION MARK: USC&GS 4" disc set in conc. post up about 6" stamped "FINGER 1938"

RM NO.1: USC&GS 4" disc set in conc. post up 6" stamped "FINGER RM NO.1"

RM NO 2: Same as one except stamped No. 2

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Notes Ck'd by	Survey of A. VALLEY
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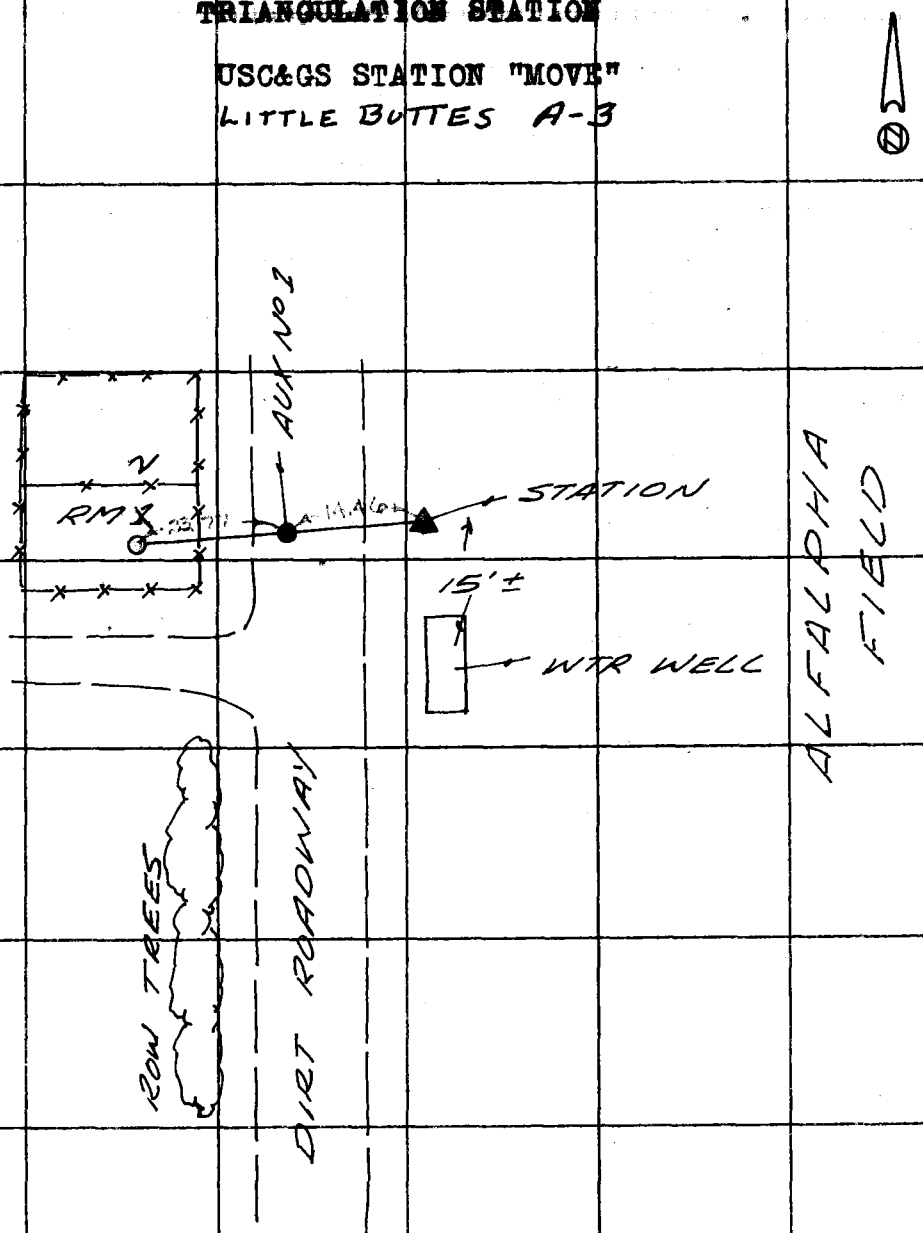
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 943 PG. 183

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

USC&GS STATION "MOVE"
LITTLE BUTTES A-3



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F. B. 943 PG 184

THIS STATION is located in Kern County in the west end of the Antelope Valley about 2.2 miles North of the LA County line and on the prod. of 135th Street West.

ROUTE: From the intersection of 90th Street West and Rosamond Blvd (About 2 miles North of the County Line):
West on Rosamond Blvd 4.0 miles to 130th Street West---turn lft (South) over dirt road 1.0 mile to a dirt road on the south side of a fence---(about 2 miles North of County line) turn rt. (West) 0.5 miles and travel between fence and Alfalpha field to gate posts thru the fence ~~on the right---turn rt. between posts~~ (North) 0.3 mile along the West edge of Alfalpha field to a water well house---the station is 15' North of the well house.

STATION MARK: USC&Gs 4" disc set in conc. ~~post up 8" stamped~~ "MOVE 1952".

RM NO. ~~1~~ 2: USC&GS 4" disc set in conc. post up 16" in the middle of a pen (fenced) stamped "MOVE RM NO ~~1~~ 2 1952" and West of the station.

~~RM NO. 2: Not Found~~

AUX NO 1: Set 3/4" I.P. Dn. 6" on line to RM No ~~2~~ 1

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Notes Ck'd by	Survey of A. VALLEY
Map No.	JN 230100 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed

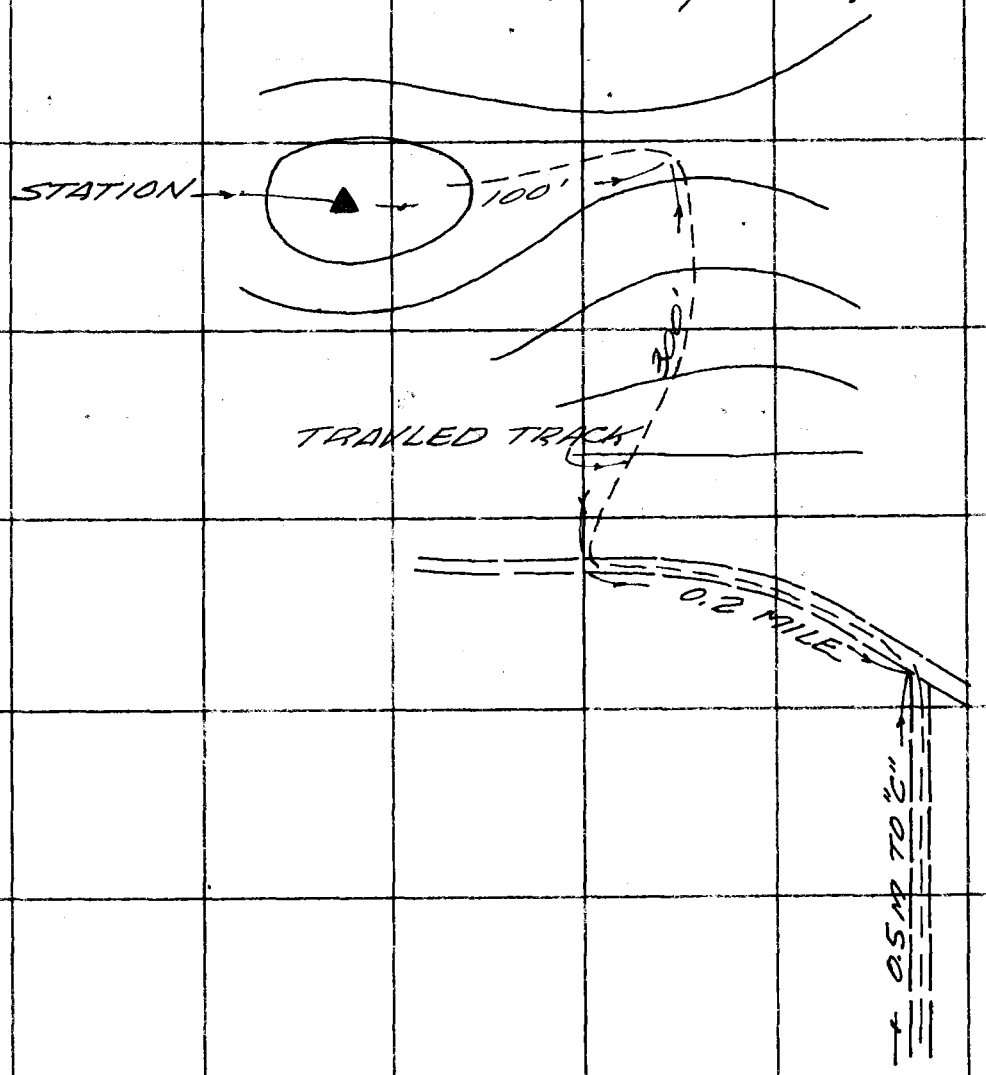
F. B. 945 PG. 185

C. J. GALLI

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION
LITTLE BUTTES
I 10-A
"LITTLE BUTTES"
(USGS)

See FB 3186-111 NEW NOTES & RM 1 & 2



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S C.E. #310 6-62

F. B. 943 PG 186

This station is located in Los Angeles County in the Antelope Valley, about 1½ miles South of the Kern County Line and about 100th Street West.

ROUTE: From the intersection of Hwy 138 (Ave D) and 90th Street West: Follow 90th St North to the intersection of Ave "C"---turn lft (West) on Ave "C" for 0.6 miles to a dirt road on the right, marked by 4x4 marker posts---follow road north 0.5 mile to a traveled track crossing in a N.Wly direction---turn lft and follow track 0.2 mile to the base of a hill, a traveled track to the right leading up the hill 300' to a small saddle---turn lft in the saddle and head West 100' to the station. A drive ~~station~~ station.

STATION MARK: USGS 4" disc set in a rock outcropping up 4" stamped "USGS BENCH MARK ELEVATION 2594 RS 1929"

R.M. Nothing found or set this date.
2/16/65

NOTE: THE USC&GS STATION IS IN A WLY DIRECTION ABOUT 500' ON A HILL LOWER IN ELEVATION BY 100'. (Little Buttes I-10)

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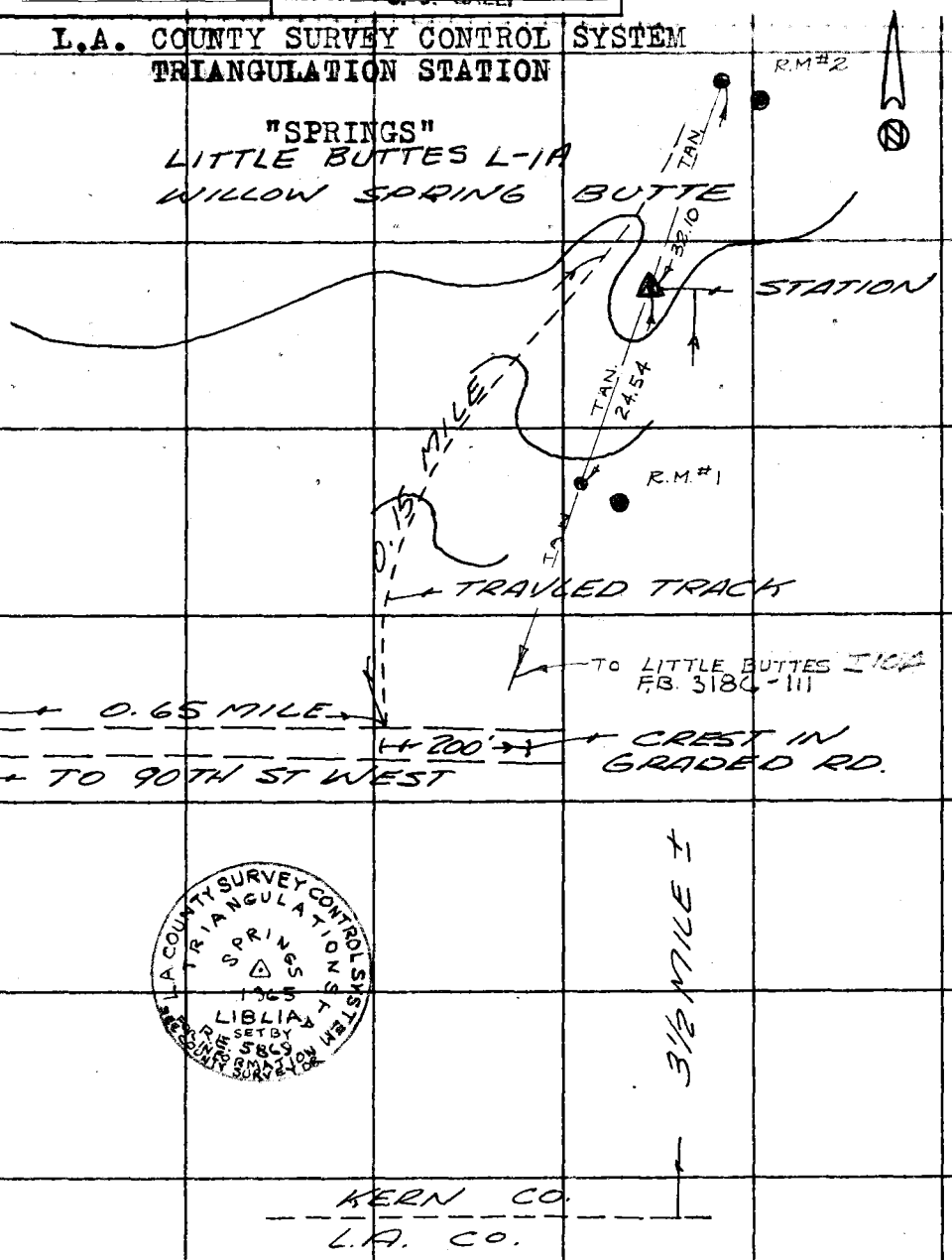
Map No.	J 1301.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 943 PG. 187

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION



L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
SPRINGS
1965
LIBLIA
SET BY
R.E. 5869
FOR INFORMATION
SEE COUNTY SURVEYOR

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 CE #310 6-62

F. B. 943 PG 188

THIS STATION is in Kern County 4 miles North of the County Line and ¾ mile East of 90th Street West, in the area of Willow Springs.

ROUTE: From the intersection of 90th Street West and Rosemond Blvd. (3 miles N of Co. Line) North on 90th St. West 0.8 mile to a dirt rd. on the right at the intersection of Truman Rd. (300' So. of a curve in 90th) Turn rt. (East) 0.65 mile to a traveled track on the lft. (200' west of crest in rd.) turn lft. up traveled track 0.15 miles to the station on the right.

STATION MARK: L.A.CO. SUR. CONT. SYSTEM 4" disc set in pre-cast conc. post up 4" stamped "SPRINGS 1965".

STAMPED: "LIB LIA" 2-25-72 BWilson

LITTLE BUTTES L-1A

REFERENCE MARKS

RM 1: A 2½" CO. ENGR. BRASS REF. MARK DISC STAMPED "SPRINGS RM 1 1965 5869". SET FLUSH IN A 6" CONC. POST, 2" ABOVE G.S.D. IT IS TANGENT TO LIB. I10A.

R.M. 2: IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2" SET ON TANGENT PROD TO RM 1 AND LIB I10A.

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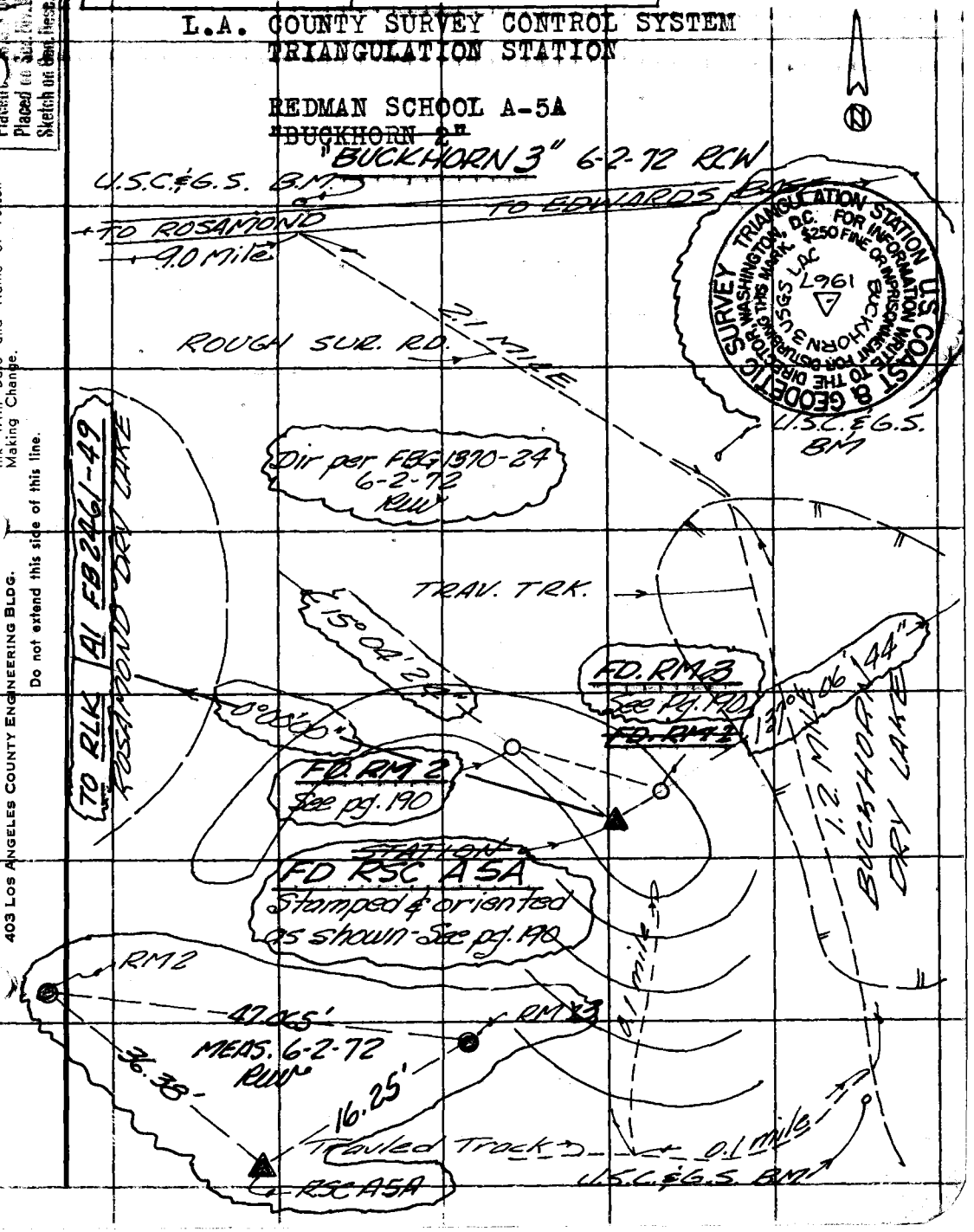
Notes Ck'd by	Survey of A. VALLEY
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 2-65 6-2-72
Date	Indexed G. J. GALLI

F. B. 943 PG. 189

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

REDMAN SCHOOL A-5A
~~"BUCKHORN 2"~~



US COAST & GEODETIC SURVEY TRIANGULATION STATION
THE DIRECTOR, WASHINGTON, D.C. FOR INFORMATION WRITE TO THE DISTURBING THIS MARK. $250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK.
BUCKHORN 3 USGS LAC
L961

Noted
Placed on Sec. Cor. Bkts.
Placed on Sec. Cor. No.
Sketch on Geo. Desc. Card

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76F309S CE #310 6-62

F. B. 943 PG 190

This station is in Kern County 9¾ mile East of Rosamond and 1 mile north of the Co. line, in a restricted area of the Edwards Airforce Base.

ROUTE: From the signal at the intersection of Hwy 14 and Rosamond Blvd. (Town of Rosamond) Turn rt. and follow Rosamond Blvd. 9.0 miles toward Edwards Base to a rough surfaced rd. on the right (USC&GS B.M. on the lft.) travel 2.1 miles in a Sely direction along rd to the edge of a dry lake---thence south along what appears to be a rough roadway across the lake bed 1.2 mile to the crest of a small ridge---turn right on traveled track (passing USC&GS B.M. on the lft. as you turn) 0.1 mile to base of spur---traveled track up spur 0.1 mile (Four Wheel) to station may be used. The station is located near the East end of a cresent shaped knoll, the only one in the vicinity.

STATION MARK: USC&GS 4" disc cemented in the top of a 1' X 2' boulder up 6" stamped ~~"Buckhorn 2 usgs lac 1960"~~ "BUCKHORN 3 USGS LAC 1967" 6-2-72 RWW

DESTROYED

~~B.M. NO.1; USC&GS 4" disc set in top of 4'x4' boulder stamped "BUCKHORN NO. 1 1940"~~

B.M. NO 2: USC&GS 4" disc cemented in the top of a 3x4 foot boulder projecting 18" and stamped "BUCKHORN NO.2 1940"

RM NO3: A 4" USC&GS brass disc stamped "BUCKHORN 3 USGS LAC NO3 1967" cemented in the top of a 1'x3' boulder up 6".

300' #221 MEASUREMENTS 50 MTR M6

Level @ 82°F

36.38' = 36.38'	11.090m = 11.090m = 36.38'
16.25' = 16.25'	4.952m = 4.952m = 16.25'
47.065' = 47.065'	14.346m = 14.346m = 47.065'

6-2-72 RWW

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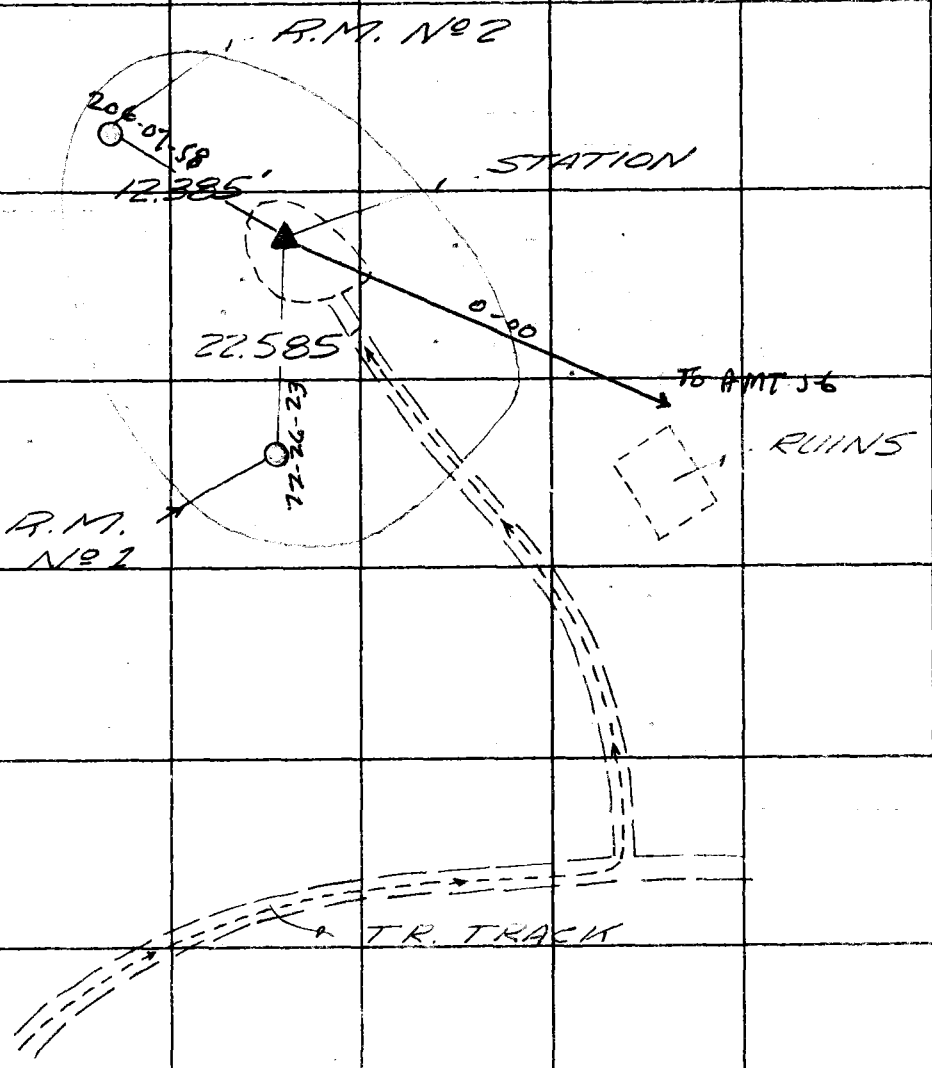
Notes Ck'd by	Survey of A. VALLEY
Map No.	Jn 030100 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 2-15-65
Date	Indexed C. J. GALLI

F. B. 943 PG. 121

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
MT. MESA G-14
"GRINELL USGS & USC&GS"



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S CE #310 8-62

F. B. 943 PG 192

THIS STATION is located in Los Angeles County about 4 miles south of the Kern Co. line and 8½ miles West of the San Bernadino Co. line ¼ mile North of the south boundry of the Edwards Airforce Base, in the Antelope Valley.

ROUTE: From the intersection of Hwy 14 and Palmdale Avenue---
East on Palmdale Ave to 50th Street East---North on 50th Street to Avenue I---East on Ave I to 90th Street East---North on 90th Street East to Avenue H---East on Avenue H to 140th Street East---North on 140th Street to Avenue G---East on Avenue G to 165th Street East---North on 165th Street East to Avenue E-8---East on Avenue E-8 0.45 miles to a dirt road on the left---turn lft(north) 0.25 mile to a fork at a mine dump---bear lft 0.05 mile to a fork---thence lft 0.2 miles to a fork---thence right 0.3 miles to a fork at the top of a small rise---thence left N Wly 0.1 miles to the top of a small hill and the station.

STATION MARK: USGS 4" disc set in rock outcrop up about 12 " stamped "GRINELL RS 1929"

RM NO.1; USC&GS 4" disc set in rock about 5' lower than the station and in a sly direction stamped "GRINELL USGS & LAC NO. 1 1940"

RM NO. 2: Same except stamped "NO.2" and 3' lower than station.

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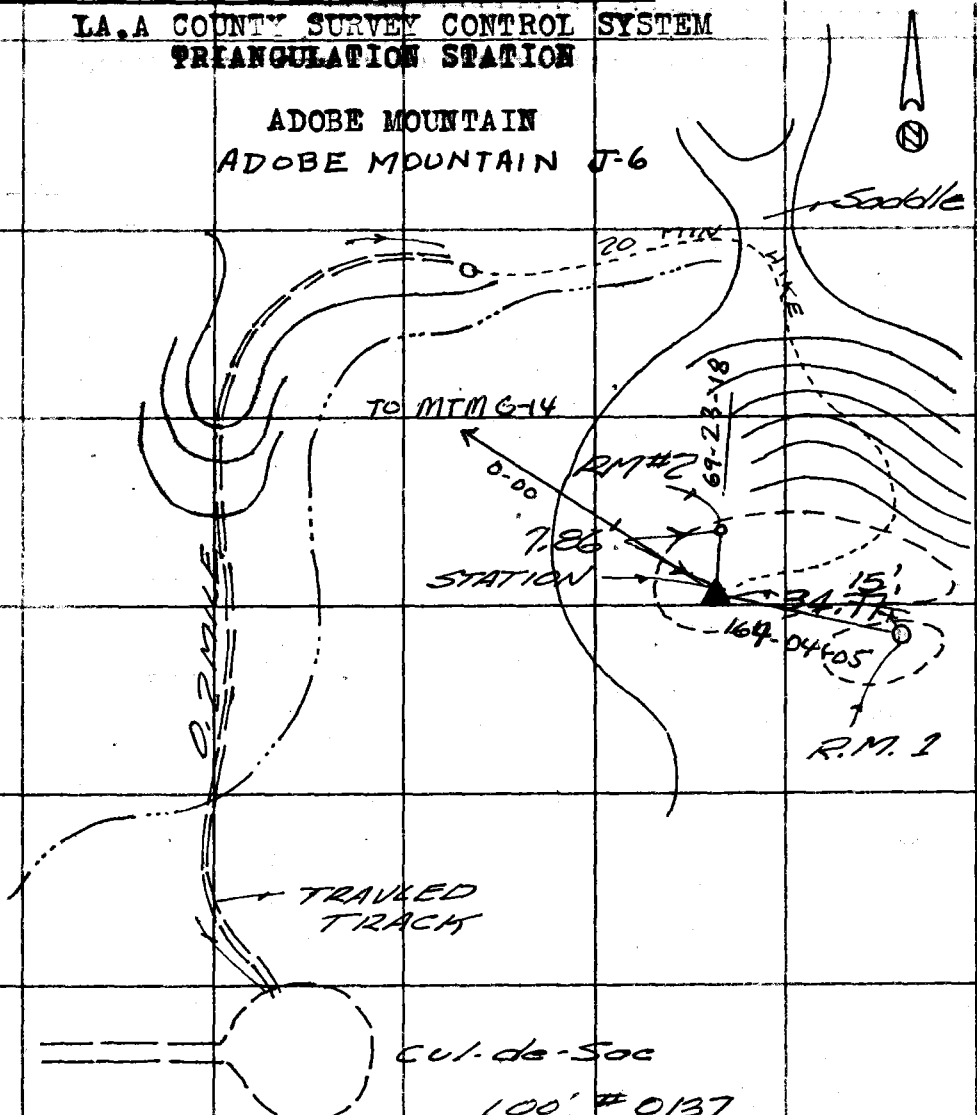
Notes Ck'd by	Survey of A. VALLEY
Map No.	Job 0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes RCW Date 2-65
Date	Indexed C. J. GALLI

F. B. 943 Pg. 193

LA. A COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ADOBE MOUNTAIN

ADOBE MOUNTAIN J-6



100' #0137
5-3-72 = 34.15'
~~34.77~~ @ L @ 68°
7.86 @ L @ 68°
RM 1 TO RM2 5-3-72
35.66' L @ 68° = 35.66'

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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76F3095 CE #310 6-62

F. B. 943 PG 194

THIS STATION is located in the Antelope Valley about ½ mile West of the San Bernadino County line, on about the prod. of Avenue "I", and on the topmost part of Adobe Mountain.

ROUTE: From the intersection of Hwy 14 and Palmdale Avenue (Palmdale):
East on Palmdale Avenue to 50th Street East---
North on 50th Street East to Avenue "J"---
East on Avenue "J" 20 miles to 250th Street East (Pavement ends on "J" at 220th Street) turn lft (North) on dirt road for 0.25 miles to dirt rd on the right---turn right (East) over dirt rd 0.2 miles, crossing over small ridge, to a "T" intersection, dirt road on the lft---turn lft (North) over graded road 0.7 miles to a dirt road to the right(East), (crossing a road 0.4 miles north)---turn right (East) 0.3 miles on graded road to a Cul-de-Sac(large single Joshua tree here)---turn lft over bank and follow traveled track along base of hill, bearing to the right across sandy wash and up sandy hill for 0.2 miles---from this point it is a 10 to 15 minute hike to the highest rock outcropping and the station.

STATION MARK: USGS 4" disc set in the top of a large rock outcropping, stamped "USGS IN COOP WITH LOS ANGELES COUNTY RS 1929 ADOBE"

RM NO.1: USGS 4" disc set in rock in an Ely direction stamped "ADOBE RM NO 1"

~~No other found or set 2/15/65~~ RCW

RM NO 2: Fd 3/4" HEX BOLT SET IN ROCK NL'Y FROM STATION. CTR. OF BOLT USED.
RCW 10-13-65

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Map No.	JNC301.00 Tape 0137 Std 68 °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes J.G.R. Date 12-MAR-65
Date	Indexed C. J. GALLI

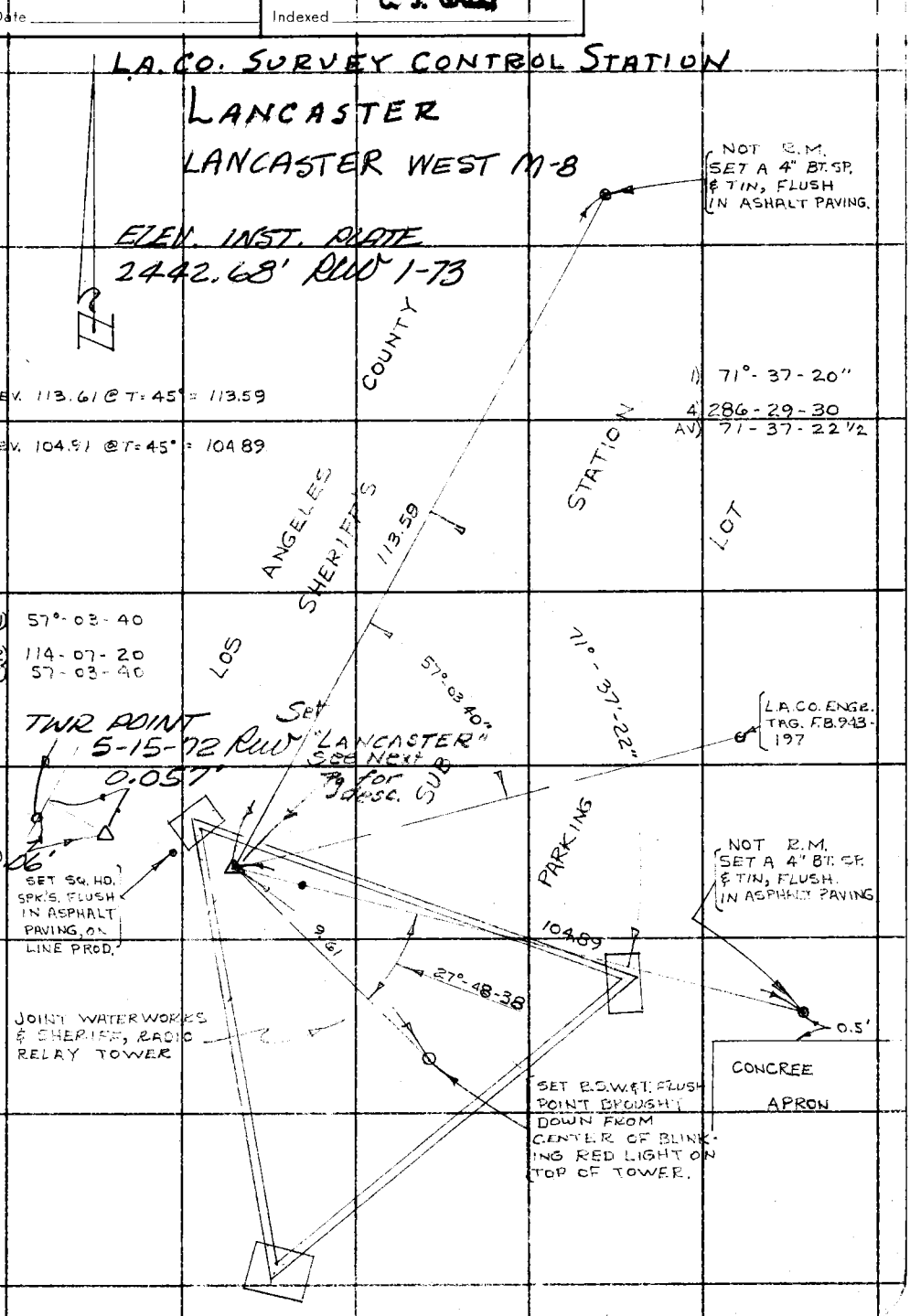
F. B. 943 PG. 195

Noted on Geo. Index Card
Placed on S.G.S.D. Ind. Shts.
Placed on Geo. Div. Ind. Sh.
Sketch on Geo. Desc. Card

LA. CO. SURVEY CONTROL STATION

LANCASTER

LANCASTER WEST M-8



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76F309S CE # 310 3-61

F. B. 943 Pg. 196

LOS ANGELES SURVEY CONTROL SYSTEM
TRIANGULATION STATION
"LANCASTER"

THIS STATION IS IN THE COUNTY OF LOS ANGELES, TOWN OF LANCASTER. ABOUT 400'± SO. & 200'± W. OF THE INTERSECTION OF AVE. "J" & 10TH ST. W. ON RADIO RELAY TOWER, IN PARKING LOT @ SHERIFF'S SUB-STATION.

TOWER MARK:
AN IRON BRACKET BOLTED TO THE N.W'LY LEG OF TOWER. 77'± ABOVE THE GROUND. ON THE FIRST LANDING.

HEIGHT OF TOWER MARK = 76.25' ABOVE GROUND MARK. (SEE SKETCH F.B. 943 - 195)

GROUND MARK:
SET A STD. 4" BRASS TRIANGULATION MARK, FLUSH, IN ASPHALT PAVING. STAMPED:

LANCASTER WEST M-B
LANCASTER 1965

REFERENCE MARK:
FOR TIES SEE F.B. 943 PG. 197

Elevation of Mark = 2367.43 ~~2367.48~~ F.B. 3177-156

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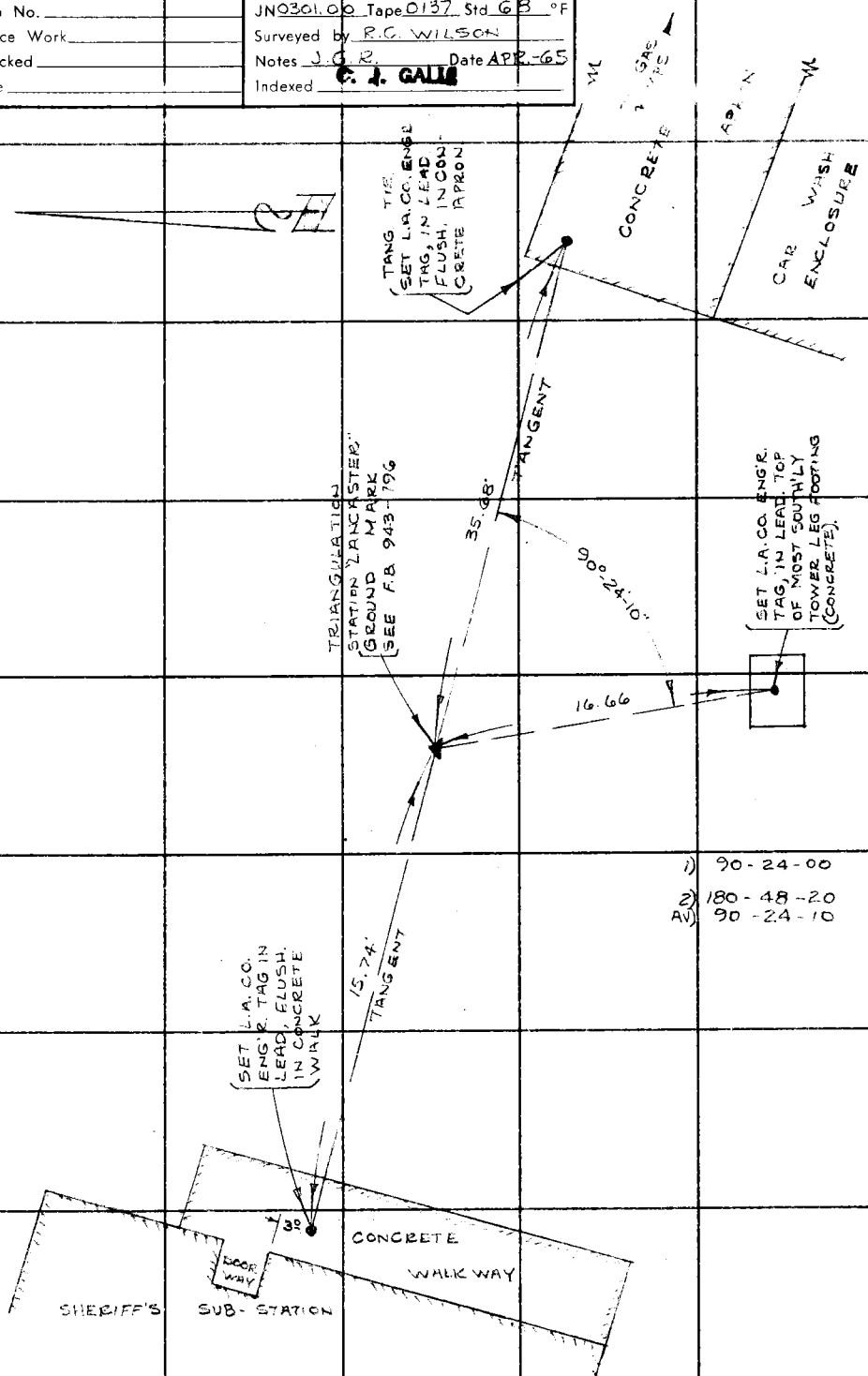
Office Work	Surveyed by R.C. WILSON
Checked	Notes J.G.R. Date APR.-65
Date	Indexed C. J. GALLE

F. B. 943 PG. 197



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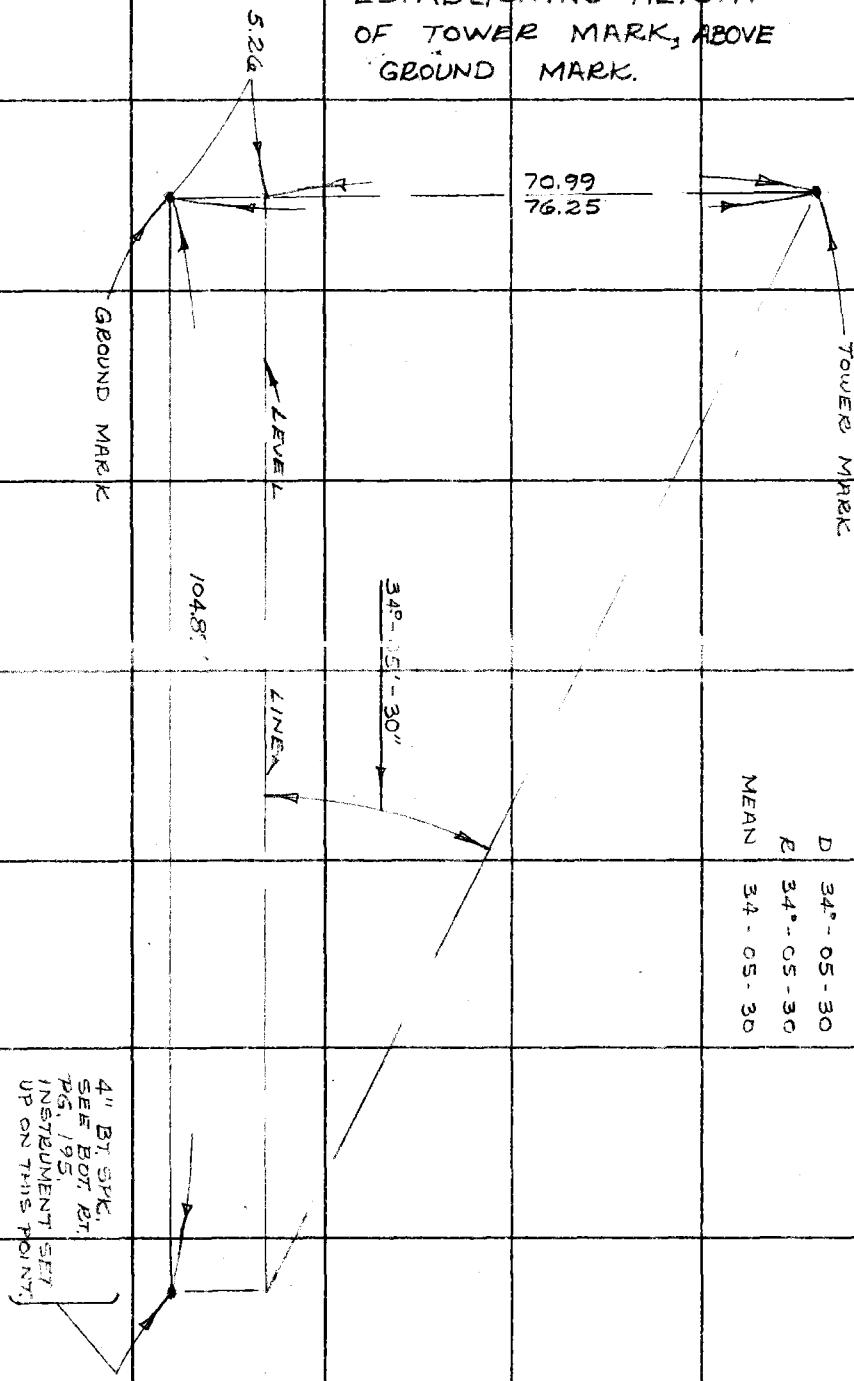
76F309S CE # 310 3-61

F. B. 943 Pg. 198

SHOWING METHOD OF ESTABLISHING HEIGTH OF TOWER MARK, ABOVE GROUND MARK.



D 34°-05-30
R 34°-05-30
MEAN 34-05-30

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Date	Indexed C. J. GALLI

F. B. 943 PG. 199

Noted on Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W. S. No.
Sketch on Geo. Desc. Card

L.A. County Survey Control System
Triangulation Station
"YARD"
LANCASTER EAST 0-6

1) 94-03-00
4) 16-11-40
94-02-55

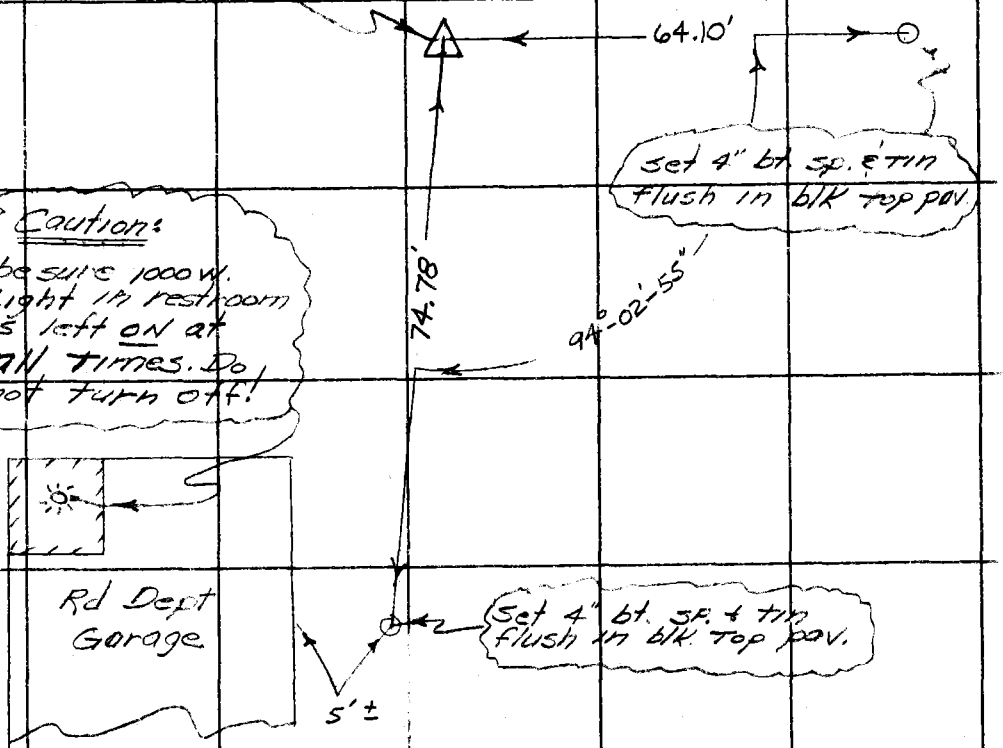
BILBY TOWER RE-SET 11-72
+49.87' TO PLATE. RWW

64.10' T=68°=64.10'
74.78 T=68°=74.78'

ELEV. PLATE
=2453.59
11-73
RWW

Trian. Station
YARD
See next pg.

Elev. 2403.72/F.B. 3177
-155



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76F309S CE #310 6-62

F. B. 943 PG 200

~ Description ~

L.A. County Triangulation Station "YARD"

LANCASTER EAST D-6

THIS STATION IS IN THE COUNTY OF LOS ANGELES, 7.5 MILES EAST OF THE TOWN OF LANCASTER. ABOUT 400'± SO. & 70'± E. OF THE INTERSECTION OF 70TH ST. E. & AVE "I". LOCATED WITHIN A 7' HIGH CHAIN LINK FENCE, ENCLOSING LOS ANGELES COUNTY ROAD DEPT. YARD # 505. THE STATION IS DUE EAST OF THE NORTH GATE, ON THE WEST SIDE OF THE ENCLOSURE. A 50' BILBY TOWER WAS ERECTED ON THIS STA, AND MUST BE USED BECAUSE OF SURROUNDING TREES, & POWER LINES.

T7N - R11W. NEAR THE N.W. COR. OF SEC. 13

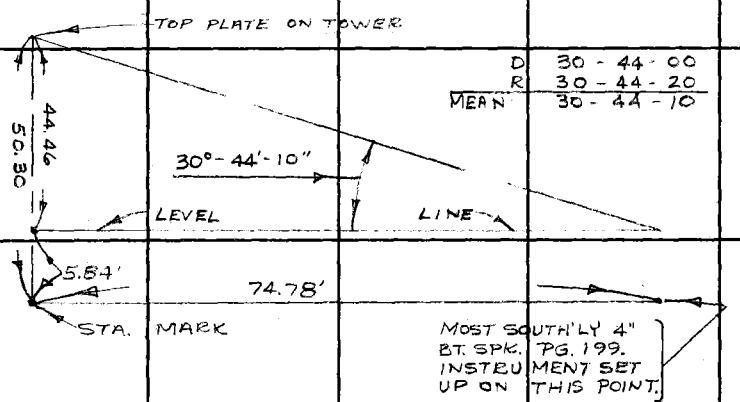
STATION MARK:

L.A. CO. SUR. CONT. SYSTEM TRIANGULATION STA.

4" BRASS DISC. SET IN 12" x 12" CONC. POST. FLUSH WITH ASPHALT PAVING. Stamped "YARD 1965 RE5869"

HEIGTH OF PLATE ON TOWER:

ESTABLISHED BY VERTICAL ANGLE. SEE BELOW.



D	30 - 44 - 00
R	30 - 44 - 20
MEAN	30 - 44 - 10

For Elevation of Station Yard See F.B. 3477-155

2403.72

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Map No.	JN 0301.00 Tape 0137 Std 68 °F	
Office Work	Surveyed by R. C. WILSON	
Checked	Notes J. BAYER & J.G.R. Date APR. 65	
Date	Indexed C. J. GALLI	

Listed on [illegible]
Placed on [illegible]
Placed on [illegible]
Sketch on Geo. Desc. [illegible]

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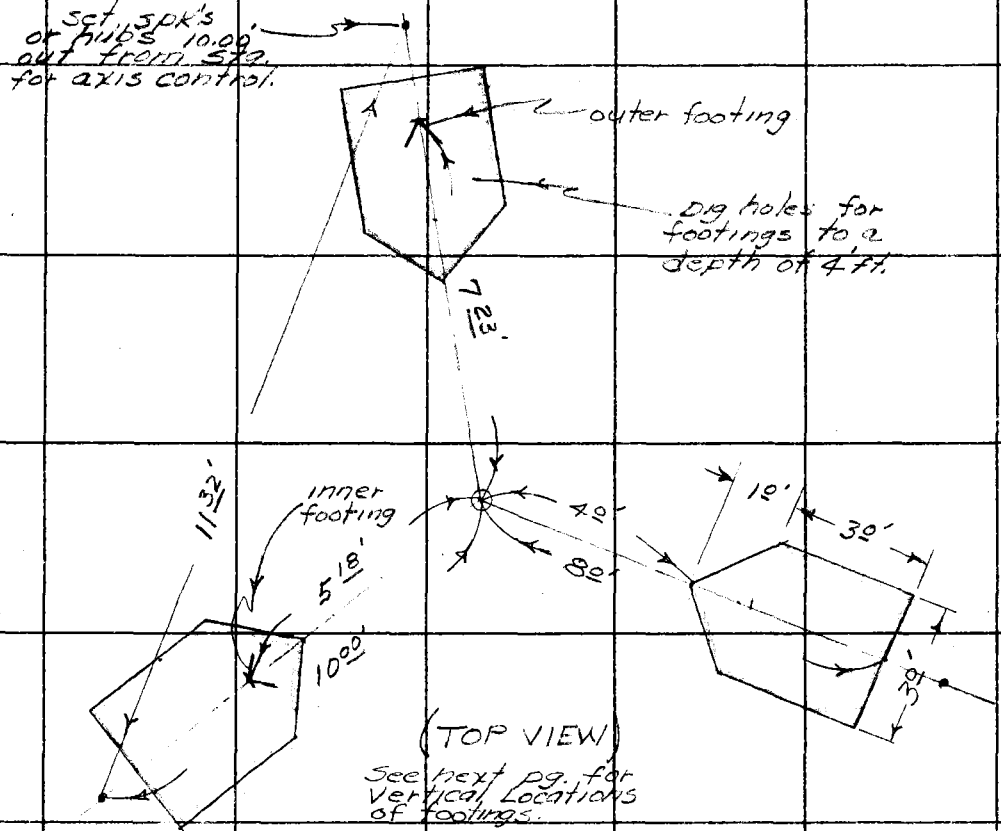
INSTRUCTIONS FOR SETTING FOOTINGS FOR 50' BILBY OBSERVING TOWER



(TOP VIEW)

See next pg. for Vertical Locations of footings.

NOTE:

Distance from Sta. mark to footings where uprights bolt to footings is very critical.

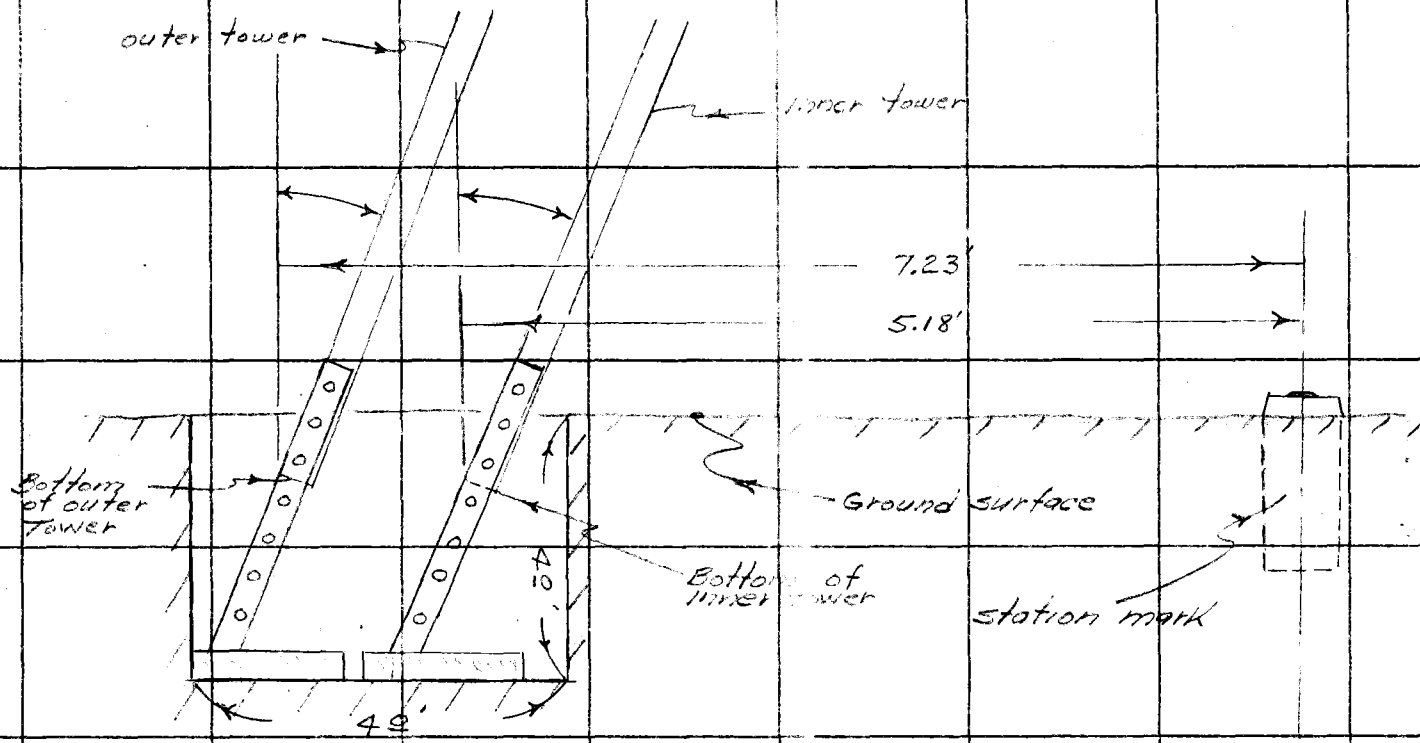
distance from Sta. mark to inner Tower footings = 5.18"

distance from Sta. mark to outer Tower footings = 7.23

All footings must be set @ same elevation.

76F3095 CE # 310 3-61

F. B. 943 PG 202



Note - sketch shows only one hole + one set of footings for erection of 50' Bilby Tower.

Extreme caution must be taken during these following steps - offsets from sta. to where bot. of inner + outer towers connect to footings. - Be sure the elev. of all footings are exactly the same. - Vertical angles of all footings are right.

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Notes Ck'd by	Survey of A.V. NET	F. B. 943 Pg. 203
Map No.	Job 030100 Tape 0105 Std 68 °F	
Office Work	Surveyed by Wilson	
Checked	Notes RCW Date 4-65	
Date	Indexed C. J. GALLI	

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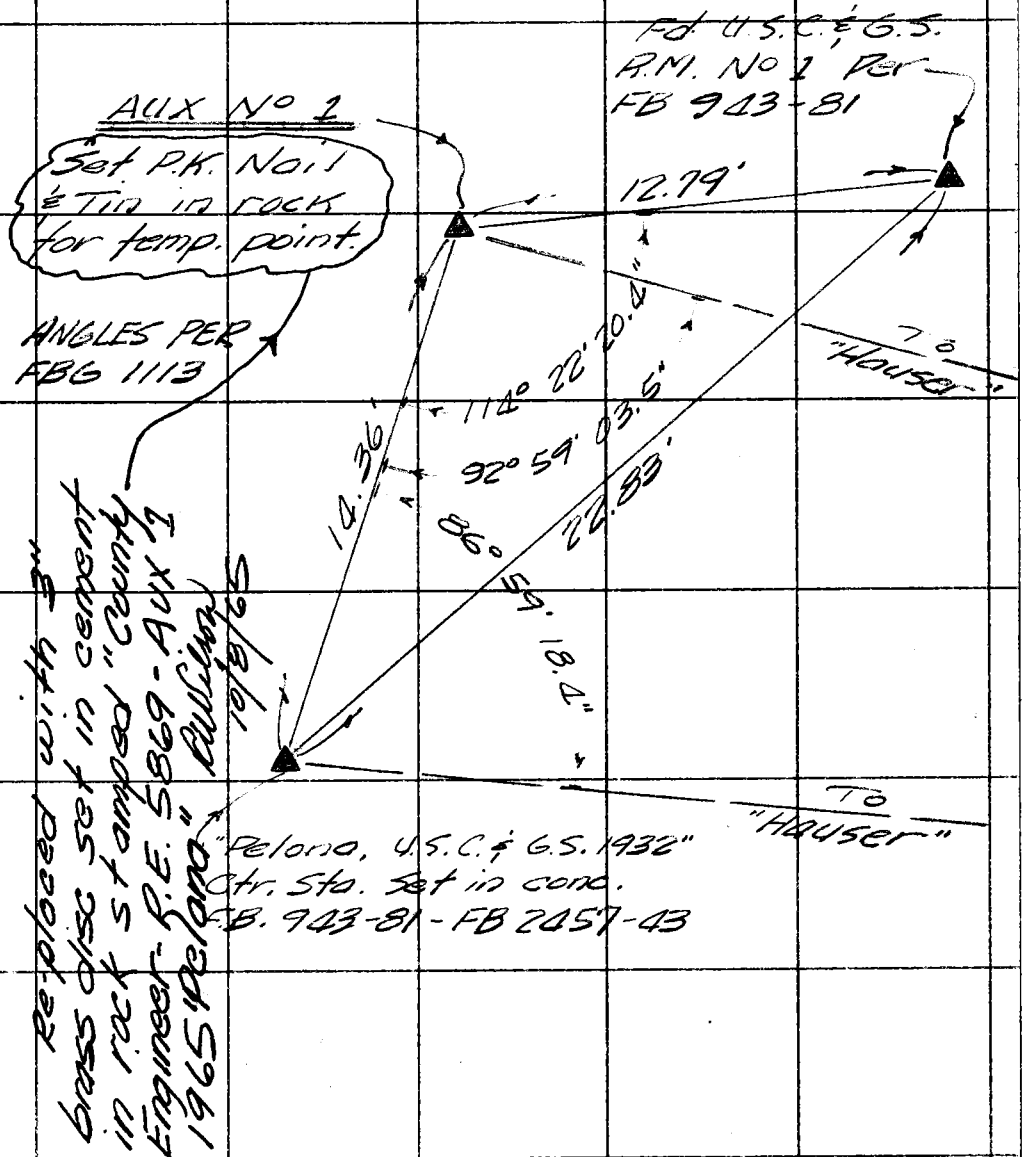
Placed on U.S.G.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Gen. Desc. Card

L.A. COUNTY SURVEY CONTROL SYS.
TRIANGULATION STA.
S.V. C-8
"PELONA AUX No 1"



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76F309S CE # 310 3-61

F. B. 943 PG. 204

ROUTE: See FB 943-81
FB 2157-42, 44

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Office Work	Surveyed by RCW
Checked	Notes RCW Date 5-65
Date	Indexed C. J. GALLI

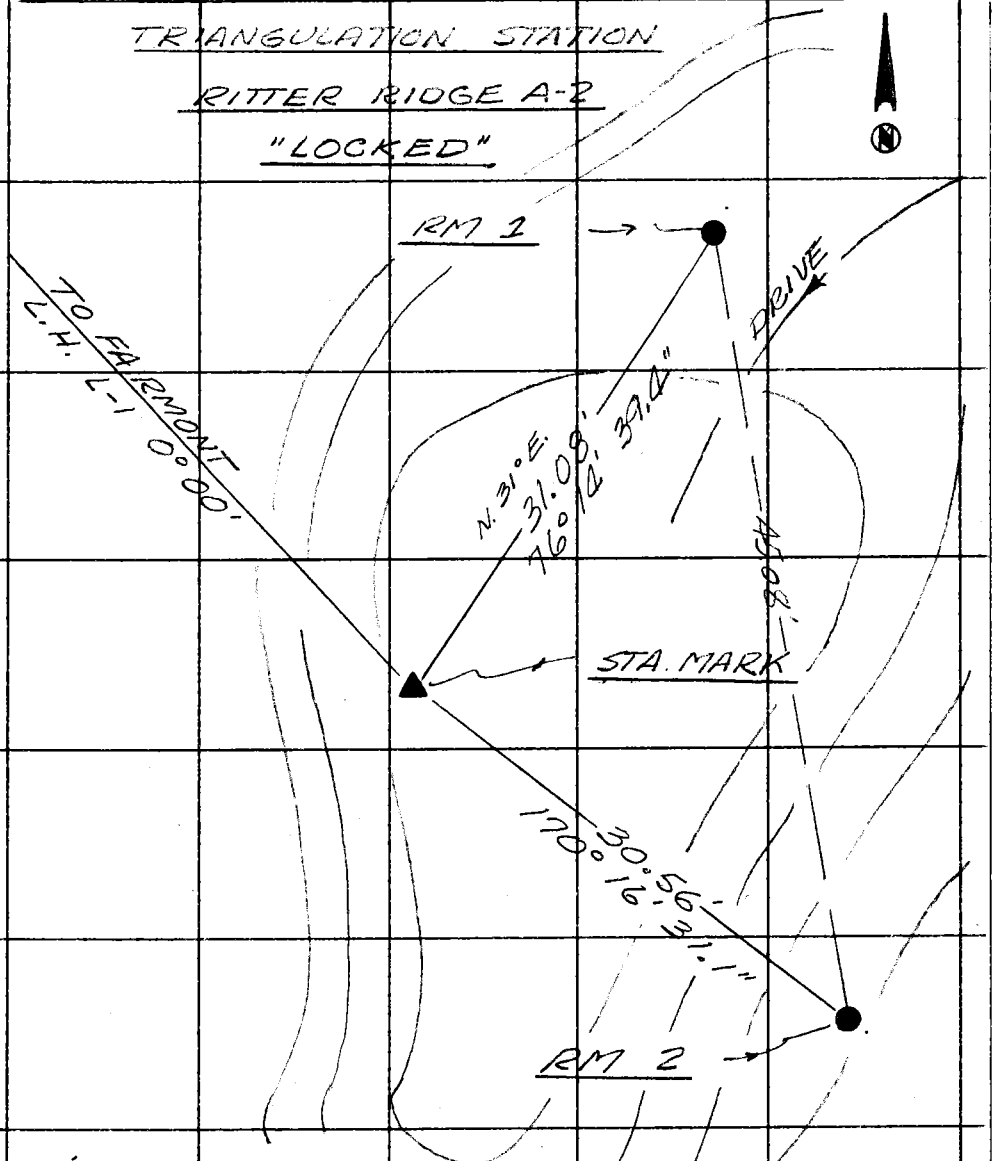
F. B. 943 PG. 205

L.A. COUNTY SURVEY CONTROL SYS.

TRIANGULATION STATION

RITTER RIDGE A-2

"LOCKED"



Dir. Per FBG 1113
Dist. Meas. @ 68° @ Level

45.08' @ Lev @ T = 68° = 45.08'

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76F308S CE # 310 3-61

F. B. 943 PG. 206

THIS STATION IS LOCATED IN LOS ANGELES COUNTY IN THE ANTELOPE VALLEY AREA NEAR THE NORTH 1/4 CORNER OF SECTION 15, T6N R13W.

ROUTE

FROM LANCASTER PROCEED WEST ON AVENUE "I" TO 60TH STREET WEST - THENCE SOUTH ON 60TH ST TO THE SUMMIT OF GODDE HILL RD. (A PROJ. OF 60TH) (ABOUT SEVEN MILES SOUTH OF "I") AT THE MIDDLE OF A SHARP CURVE AT THE SUMMIT THERE IS A LOCKED GATE ON THE RT (L-KEY) PROCEED THRU GATE IN NLY DIRECTION 300' TO LOCKED GATE (L-KEY) PASS THRU AND PROCEED NLY UP-GRADE 0.4 MILE TO 3RD GATE (L-KEY) PASS THRU & PROCEED 0.3 MILES TO TRAVELED TRACK ON LFT - BEAR LFT AND PASS BETWEEN EDISON TOWERS - FOLLOW TRACK SLY 600' TO SUMMIT OF SMALL KNOB AND THE STATION.

STATION MARK

U.S.C.&G.S. 4" DISC SET IN 12" CONC. POST UP 6" STAMPED "LOCKED - 1938"

R.M. NO 1

U.S.C.&G.S. 4" DISC SET IN 12" CONC. POST UP 6" STAMPED "LOCKED - 1938 - RM 1"

R.M. NO 2

SAME AS 1 EXCEPT STAMPED "NO 2"

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by J. FULTON
Checked	Notes J. RANDALL Date AUG-65
Date	Indexed C. J. GALLI [illegible]

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

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NEWHALL - LLANO NET

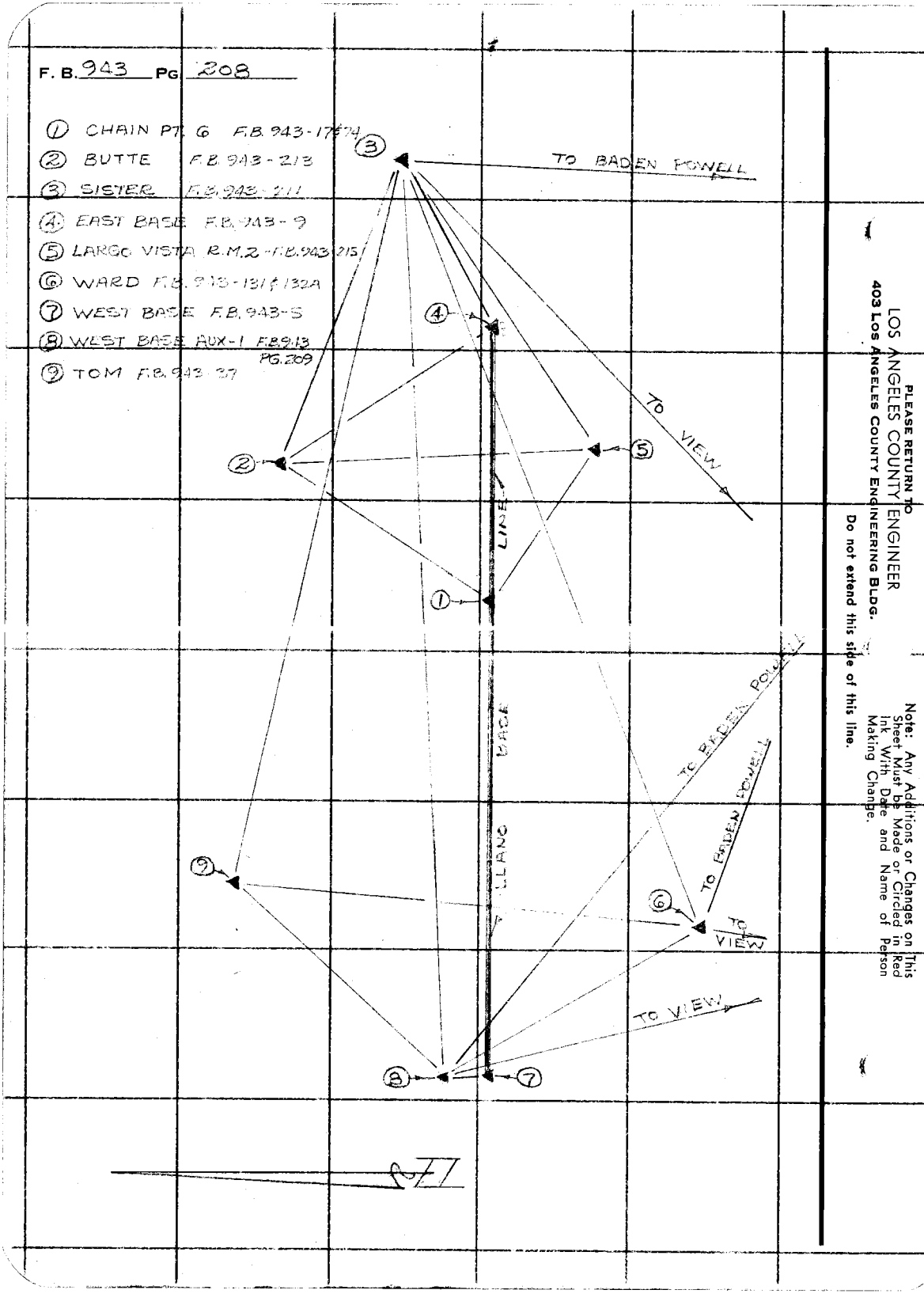
BASE EXPANSION

J.N. 0301.00

WILSON
FULTON
RANDALL
L. JONES
E. MARTINEZ
L. MANLEY
C. PYLE
S. WILL

76F309S CE # 310 3-61

F. B. 943 PG 208



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Date	Indexed C. J. GALLI

F. B. 943 PG. 209

LOS ANGELES COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

~~LITTLE ROCK H-14 AUX-1~~

LITTLEROCK H-14 Aux#1
13.035 R=13.035
Ht 2=2.20'±
Elev from Adj

TO TOM
ALP M-15
F.B. 943-37

R.M.#1
ON LINE
PROD. FROM
CENTER
STA.

170° 21' 40.89"
SEE F.B.G. 1151-9

70.87±

00°-00'

13.035

R.M.#2

66.50'

75'±

el=3044.93 H-14

LITTLE ROCK H-14
AUX.#1. FOR DESC.
SEE F.B. 943-210
FOR ELEV. SEE
F.B. 943-217

180'±

CONSTRUCTION
TOWERS

Set 1" IP & CC
TAG ON LINE
BETWEEN AUX 1
& H14
12-1-75
RWS

LINE

TO TOM
ALP. M15
F.B. 943-37

319.34 LEV. @ T=88° = 66.50
97.346 METERS LEV. @ T=72° 97.34
66.50 LEV. @ T=68° = 66.50
70.87 LEV. @ T=68° = 70.87

319.35 FT.
97.341 METERS

TRANSMISSION LINE UNDER
SEE F.B. 943-5 FOR DETAIL OF
(5 LINES)

el=3044.73
See Pg 218
RWS

25'±

FD. R.M.#2
SEE F.B. 943-6
ALSO DETAIL
OF TOWERS

11°-59'-18.16"

SERVICE ROAD

27.445

TRANSMISSION (DIRT)

FD. R.M.#1
SEE F.B. 943-6

09°33'51.12
SEE F.B.G. 1140-47

22.85

18'±

80°52'-57.8"

F.B. 943-5-13-72

84126-1
1972 ADJ
el=3052.296
H-14

LITTLE ROCK
(LLANO WEST BASE)
F.B. 943-5-13-72

27.445 LEV. @ T=68° = 27.445
22.85 LEV. @ T=68° = 22.85

28.12 LEV. @ T=68° = 28.12

28.12

U.S.C. & G.S. REFERENCE MARK #3

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Noted
Placed
Placed on Sketch

76F309S CE #310 6-63

F. B. 943 PG 210

LITTLE ROCK ~~H-11~~ H-14 AUX #1

THIS STATION IS IN LOS ANGELES COUNTY, AND IN THE ANTELOPE VALLEY, 2.5 MILES EAST OF LITTLE ROCK SCHOOL 0.5 MILES SOUTH OF PEARBLOSSOM HIGHWAY, NEAR THE S.W. COR. OF SEC. 16 - T5N - R10W. 632'± EAST OF 106TH STREET EAST, AND 150' NORTH OF AVE. V. ON THE NORTH SIDE OF THE MOST NORTHERLY OF TWO POWER TRANS. MISSION LINES, (RUNNING PARALLEL - EAST & WEST). THIS IS A DRIVE STATION, AND ON A SMALL RISE. IT IS 319'± NORTHERLY FROM LLANO WEST BASE (SEE F.B 943-5) TO WHICH IT IS AN AUXILIARY POINT.

STATION MARK:

SET A STANDARD 4" BRASS TABLET ON A 2" I.P., IN CONC., THE TABLET IS 6" ABOVE FLUSH, AND IS MARKED AS FOLLOWS: LOS ANGELES CO. SURVEY CONTROL SYSTEM TRIANGULATION STATION, LITTLE ROCK H-11 AUX-1, 1965, SET BY L.A.CO. ENGR. R.E. 5869.

REFERENCE MARK NO. 1

SET A STANDARD 4" BRASS TABLET ON A 2" I.P., IN A CONC. POST, THE TOP IS 10"X10" & 6" ABOVE FLUSH. THE TABLET IS MARKED AS FOLLOWS: LOS ANGELES COUNTY SURVEY CONTROL SYSTEM, REFERENCE MARK, LITTLE ROCK H-11, AUX-1, 1965, SET BY L.A. CO. ENGR. R.E. 5869. THIS POINT IS SET ON LINE PROD. FROM THE CENTER STATION THROUGH THE AUX POINT, AND NORTH OF THE STATION MARK.

REFERENCE MARK NO. 2

SET A STANDARD 4" BRASS TABLET ON A 2" I.P. IN A CONC. POST, THE TOP IS 10"X10" & 6" ABOVE FLUSH. THE TABLET IS MARKED AS FOLLOWS: LOS ANGELES COUNTY SURVEY CONTROL SYSTEM, REFERENCE MARK, LITTLE ROCK H-11, AUX-1, R.M.-2, 1965, SET BY L.A.CO. ENGR. R.E. 5869. THIS POINT IS AT RIGHT ANGLES TO R.M-1 & WEST OF THE STATION MARK

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Office Work	Surveyed by J. FULTON
Checked	Notes J. RANDALL Date AUG. 65
Date	Indexed C. J. GALLI

F. B. 943 PG. 211

("SISTER")

EL MIRAGE F-11

Noted Index Card
Place S.G.S. Quad. Shts.
Place Dir. Div. U.S. No.
Sketch on Dup. Desc. Card

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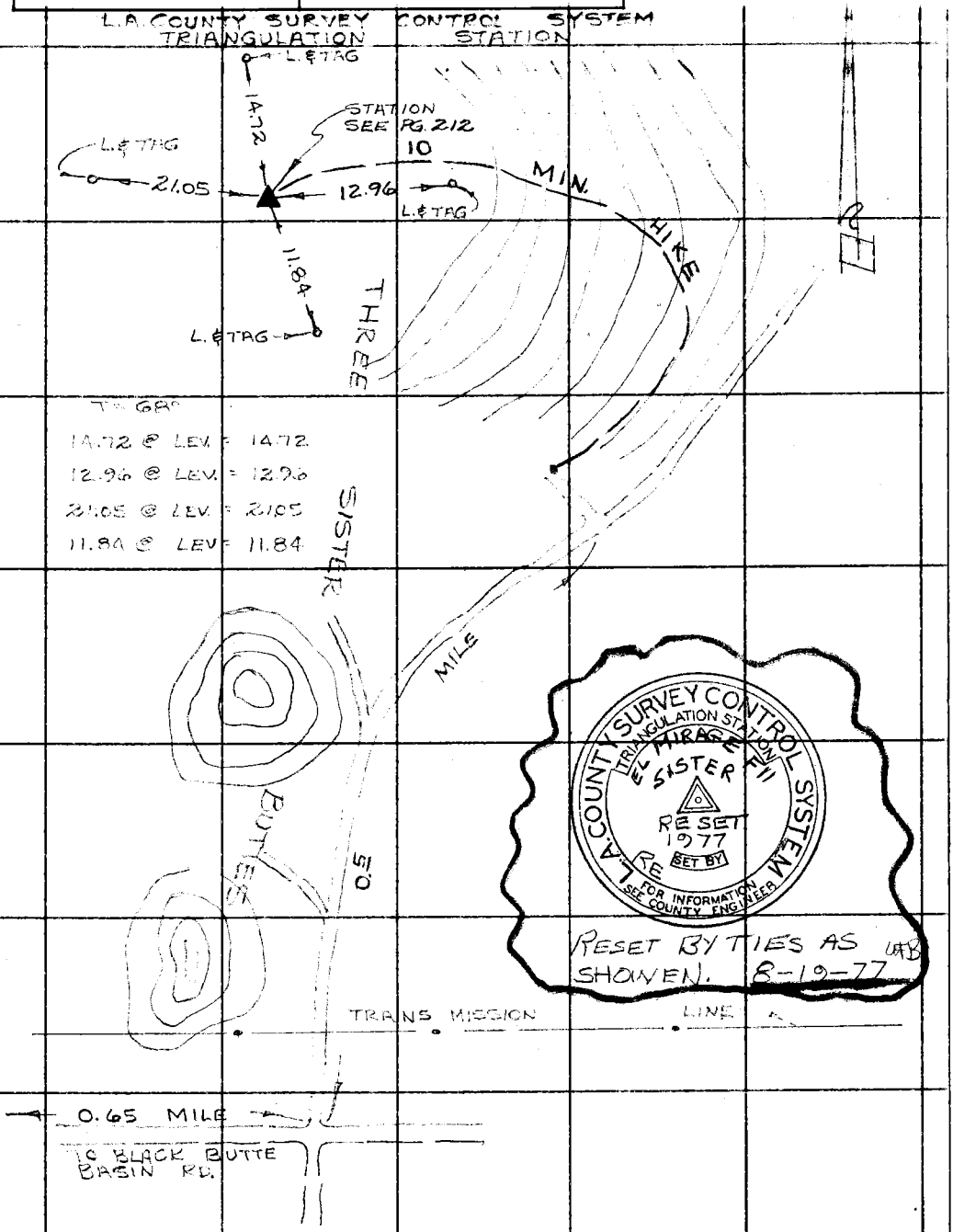

76F3095 CE # 310 3-61

F. B. 7113 Pg. 212

("Sister") El Mirage F-11

This station is in Los Angeles County, in the Antelope Valley. From the intersection of Hwy. 138 & Largo Vista Rd.(204th St.) proceed north 0.2 mi. to intersection of dirt road, turn right (N.E.)on Black Butte Basin Rd.,3.6 mi. to power transmission line.Turn right (E'ly) along transmission line0.6 mi. to intersection on east side of butte. Turn left (N'ly) ½ mi. to dirt trail (keeping right at 2 forks).Turn left (W'ly) 100' to base of ridge. From here it is a 10 min. hike to the station at the top of the butte.

Station Mark

Set a 4" brass disc in cement in a boulder,marked: L.A.County Survey control System,triangulation station, El Mirage F-11,1965, "Sister".

Reference Marks

Set 4 lead & tacks with C.E. tags in boulders.

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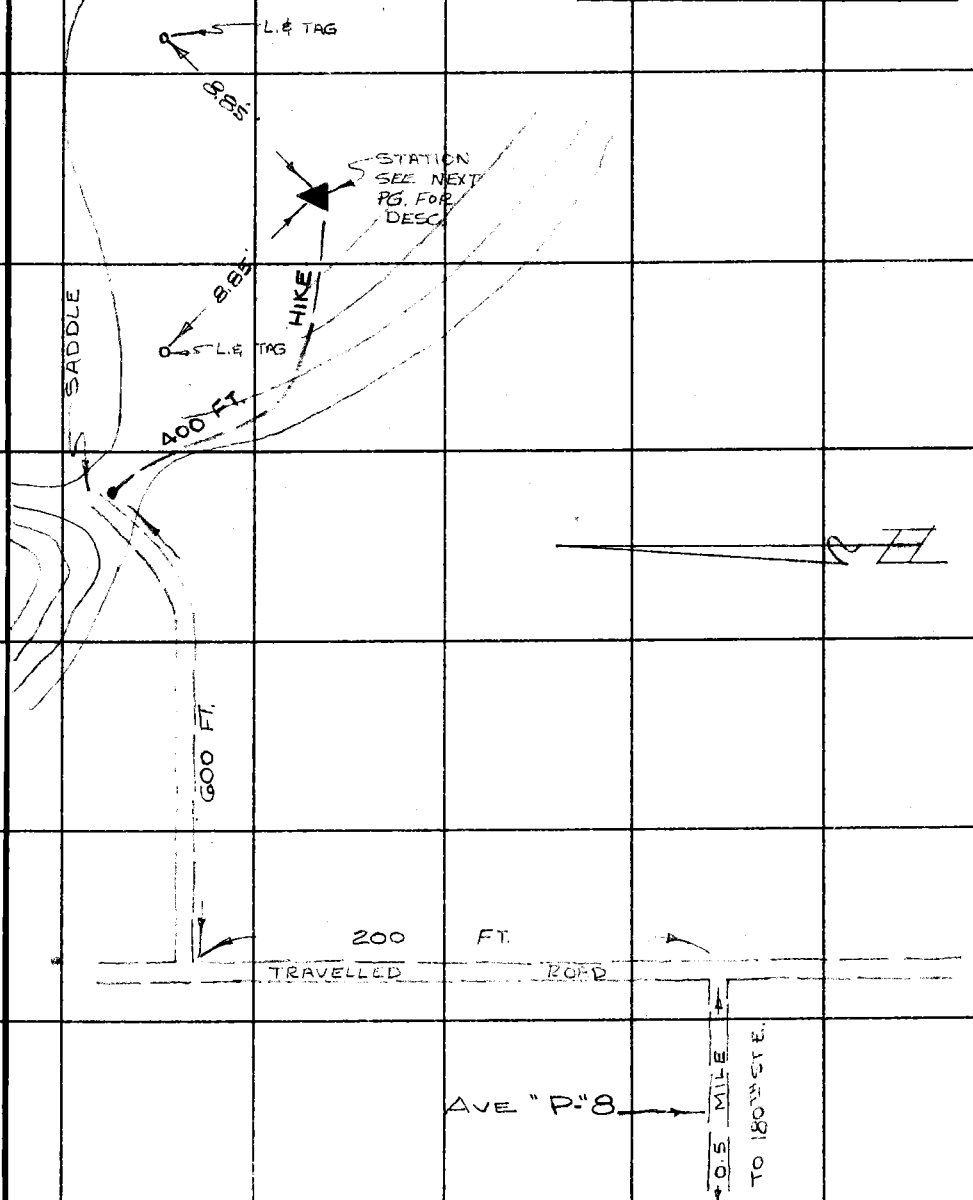
Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 943 PG. 213
Map No.	JN0301.00 Tape 0137 Std 68 °F	
Office Work	Surveyed by J. FULTON	
Checked	Notes J. RANDALL Date AUG '65	
Date	Indexed C. J. GALLI	

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

"LOVEJOY BUTTE J-4"



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

F. B. 943 PG 214

19 mi

~~Butte~~- Lovejoy Butte J-4

This station is in Los Angeles County, in the Antelope Valley. From the intersection of Palmdale Blvd.(Ave Q-8) & 180 th St. E. drive 1.0 mi. north on 180 th St. to intersection with dirt road on the east, turn east o.5 on dirt road to intersection, turn left(north) 200' to road on right, turn uphill 600' to saddle. From here the point is on the highest point to the east, about a 400' hike.

Station Mark

~~Set a precast~~ * ~~mon. in conc.~~ 6" Post, ~~marked:~~ "L.A.County Survey Control System, Triangulation Station, Lovejoy Butte J-4."

* 4" Brass Disc.

RCW 10/65

~~Reference Marks~~

Set 2 lead & tacks ~~in~~ with C.E. tags in rock outcroping.

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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 NEWHALL LEANDRO
Map No.	JN0301.00 Tape 0137 Std 68 °F
Office Work	Surveyed by J. FULTON
Checked	Notes J. RANDALL Date AUG-65
Date	Indexed C. J. GALLI

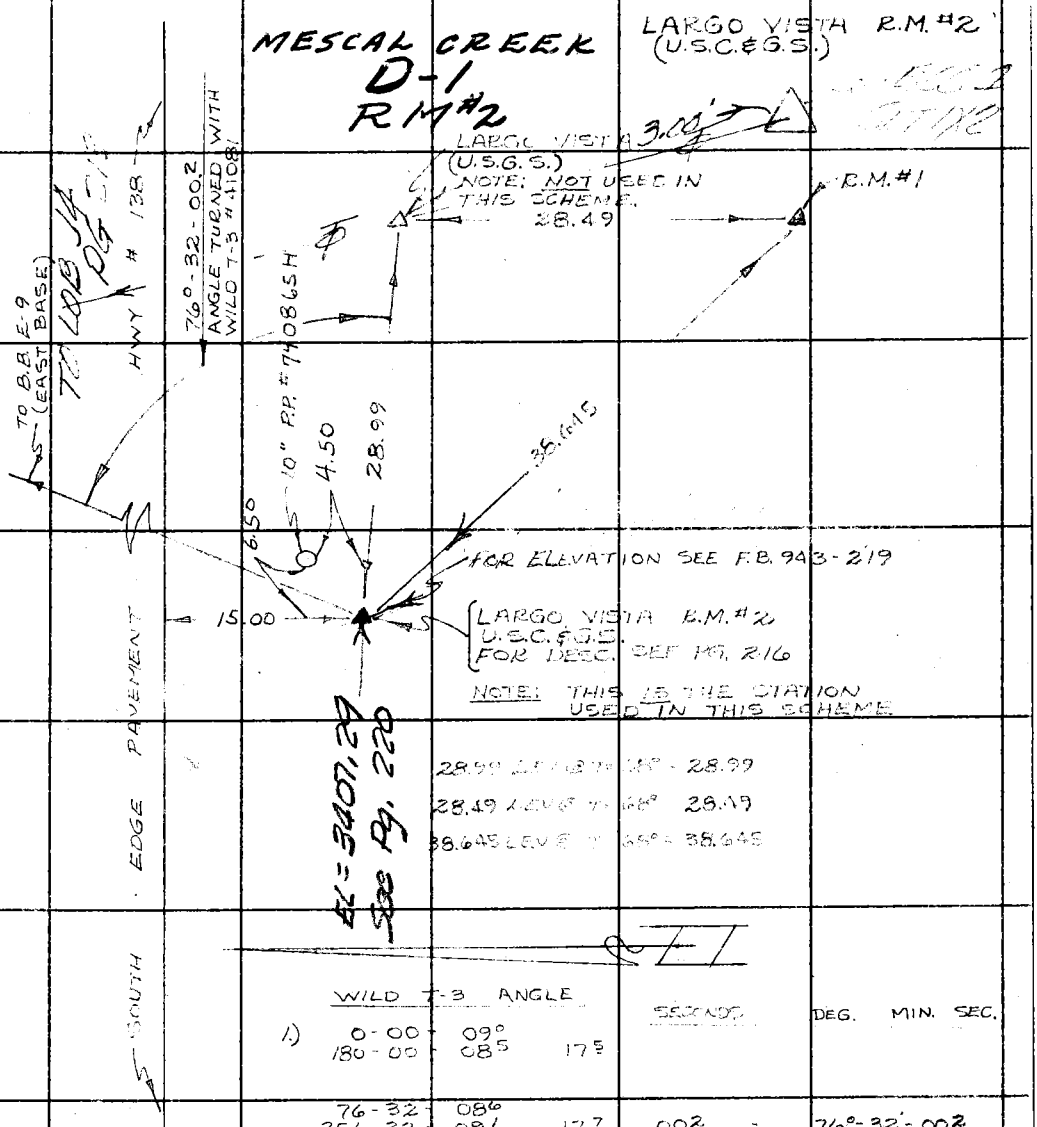
F. B. 943 Pg. 215

Noted on Geo. Index Card ✓
Placed on Geo. Quad. Pts.
Placed on Sheet W. S.
Sketch on Geo. Desc. Card

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

MESCAL CREEK
D-1
RM#2



28.99 LEV @ T = 68° - 28.99
28.49 LEV @ T = 68° 28.49
38.645 LEV @ T = 68° = 38.645

WILD T-3 ANGLE

			SECONDS	DEG.	MIN.	SEC.
1.)	0-00 - 09°					
	180-00 - 08.5	17.5				
	76-32 - 08.6					
	256-32 - 09.1	17.7	00.2	=	76°-32'-00.2	

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76F309S CE # 310 3-61

F. B. 943 PG. 216

LARGO VISTA R.M #2

THIS STATION IS IN LOS ANGELES COUNTY, AND IN THE ANTELOPE VALLEY, 9 MILES ± EAST OF THE POST OFFICE IN PALMDALE, 150 FT. SOUTH OF THE SOUTH EDGE OF THE PAVING ON HWY. #138 (PEARBLOSSOM HWY.). FROM THE INTERSECTION OF HWY. #138 WITH LARGO VISTA RD. (204TH ST. E.), (PAVED SOUTH'LY ONLY), PROCEED WEST'LY ON HWY #138 FOR 0.3 MILE, PASSING BLACK BUTTE BASIN ROAD ON THE NORTH AT 0.1 MILE, THE STATION IS ON A SLIGHT RISE ON THE LEFT (SOUTH). THIS IS A DRIVE STATION.

STATION MARK: R.M. #2 (U.S.C.&G.S.)

FD. A STANDARD U.S.C.&G.S. BRASS TABLET SET IN A CONCRETE POST, 6" ABOVE FLUSH, AND MARKED AS FOLLOWS: LARGO VISTA, R.S. No 2 1925.

REFERENCE MARK NO. 1 (U.S.C.&G.S.)

FD. A STANDARD U.S.C.&G.S. BRASS TABLET SET IN A CONCRETE POST, 6" ABOVE FLUSH, AND MARKED AS FOLLOWS: R.S. NO. 1, 1925

REFERENCE MARK: CENTER STATION (U.S.G.S.)

FD. A STANDARD U.S.G.S. BRASS TABLET SET IN A 12"X 12" CONCRETE POST, 16" ABOVE FLUSH, AND MARKED AS FOLLOWS: IN COOPERATION WITH LOS ANGELES COUNTY, R.S. 1929, LARGO VISTA.

NOTE: THE R.M. #2 WAS USED IN THIS SCHEME, AS THE CENTER STATION.

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F.B. 943 Pg. 217

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0301.00 Division No. 11

Survey of LLANO BASE LINE, NEWHALL LLANO NO. 1

K-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by FULTON Notes J.F. Date 8-18-65

Map No. ____ Indexed C. J. GALLI Date ____

LEVELS FROM

LITTLEROCK H-11

TO

LITTLEROCK H-11, AUX-1

0301.00

PARTY:
FULTON
RANDALL
JONES
MARTINEZ
MANLEY

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

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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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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F.B. 943 PG. 218

Job No. 0301.00 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of LLANO BASE, NEWHALL-LLANO & NET Date 8-18-65 Date ____ No. ____ X-Sec. ____

Survey by T. FULTON Notes J.F. Notes Chkd. ____ Checked ____

Indexed C. J. GALLI Date ____ Date ____ No. ____

STATION	B.S.	H.I.	F.S.	ELEV.	BM 126-1 1972 el = 3052.296 RLW	
FD.					L. LITTLE ROCK ~~H-11~~	ELEV. = 3051.897
B.M.				3051.897	LLANO WEST BASE, AVE. V & 0.15 MI. E. OF 106TH ST. E., FD. A STD. C.S. CONT. SYS. MON. 4" ABOVE SURFACE SEE F.B. 943-6, 12, 72, & 92 & 209	
	2.445	3054.342				
R.M. #1			5.045	3049.297	R.M. 1, LITTLE ROCK H-11	ELEV. 3049.293
	4.964	3054.261				
R.M. #2			3.693	3050.568	R.M. 2, LITTLE ROCK H-11	ELEV. 3050.565
	1.263	3051.831			el = 3044.932 RLW 10-75	
LITTLE ROCK ~~H-11~~ AUX-1 H-14			7.298	3044.533	LITTLE ROCK ~~H-11~~, AUX-1	ELEV.
	7.903	3052.436			LLANO WEST BASE AUX-1, AVE. V, & 0.15 MI. E. OF 106TH ST. E. FD. STD. C.S. CONT. SYS. MON. UP 6", PER F.B. 943-209	
B.M. (LITTLE ROCK ~~H-11~~) H-14			0.546	3051.890		

F.B. 942 PG. 210

Profile Notes Red _____ Plotted _____ Job No. 0301.00 Division No. _____

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

X-Sec. Notes Chkd. _____ Checked _____ Survey by WILSON Notes J.GR. Date SEP-'65

No. _____ Date _____ Date _____ Map No. _____ Indexed C. J. GALLI Date _____

Noted on Geo. Index Card
Placed on G.S.O. Ord. Shts.
Placed on Div. U.S. No.
Sketch on Geo. Desc. Card

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

ELEVATION
ON
LARGO VISTA R.M. #2

RANDALL
PYLE
WILL

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
					B.M. # 106-45 (U.S. 1997) ELEV. = 3408.214. TOP OF BRASS DISK, U.S.G.S. TRIANGULATION STA. LARGO VISTA. FOR LOCATION SEE F.B. 943-215 & 216, ALSO F.B. 3418-52.	
B. M.	4.276	3412.490		340[illegible].214		
R. M. #2			5.198	[illegible].292	R.M. #2 SEE F.B. 943-215 FOR LOCATION.	
	RETURN					
R. M. #2	5.183	3412.475				
B. M.			4.259	340[illegible].216	B.M. # 106-45, SEE ABOVE FOR DESCRIPTION.	

F. B. 943 PG. 220

Job No. 0301.00 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of NEWHALL LLANO NET (BASE EXPANSION) Date ____ Date ____ No. ____

Survey by WILSON Notes J.G. RANDALL Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

Notes Ck'd by	Survey of A.V. ANET
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes J.G.R. Date OCT. 65
Date	Indexed L. J. GALL JAN 1 1

F. B. 943 PG. 221

TRAVERSE:

CONNECTING SAWMILL AUX-1 TO CENTER STATION

WILSON
FULTON
RANDALL
JONES
PYLE
MARTINEZ
MANLEY
WILL

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76F309S CE#310 1-65

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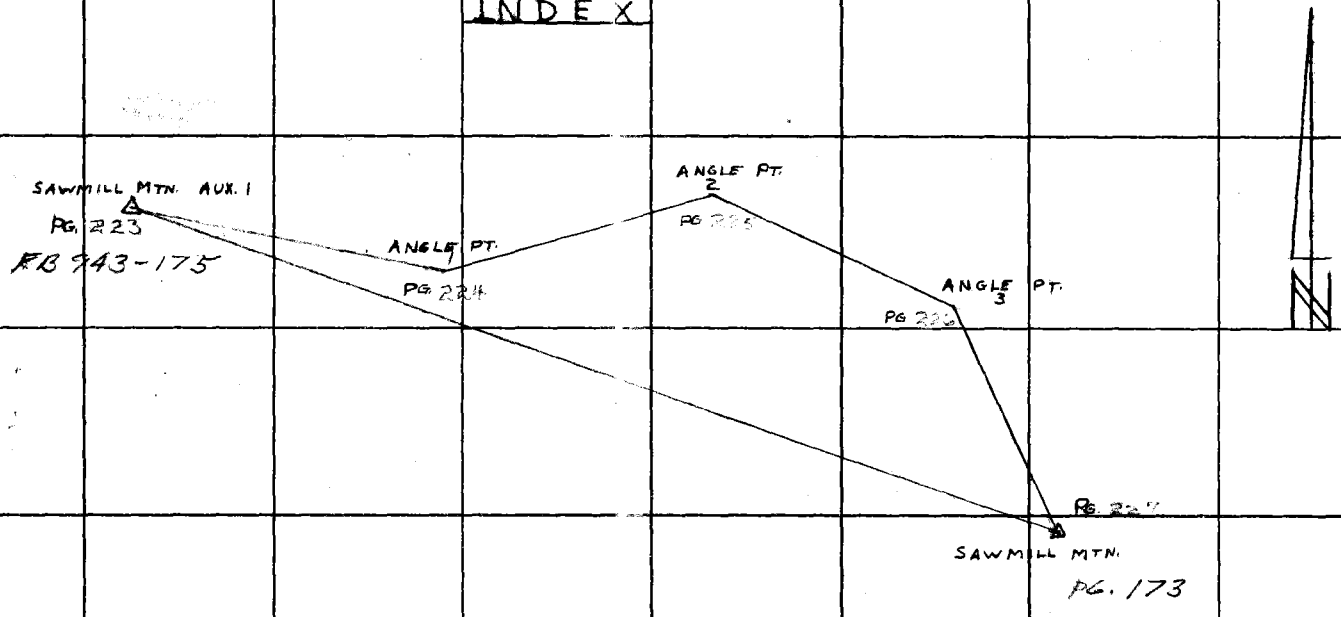
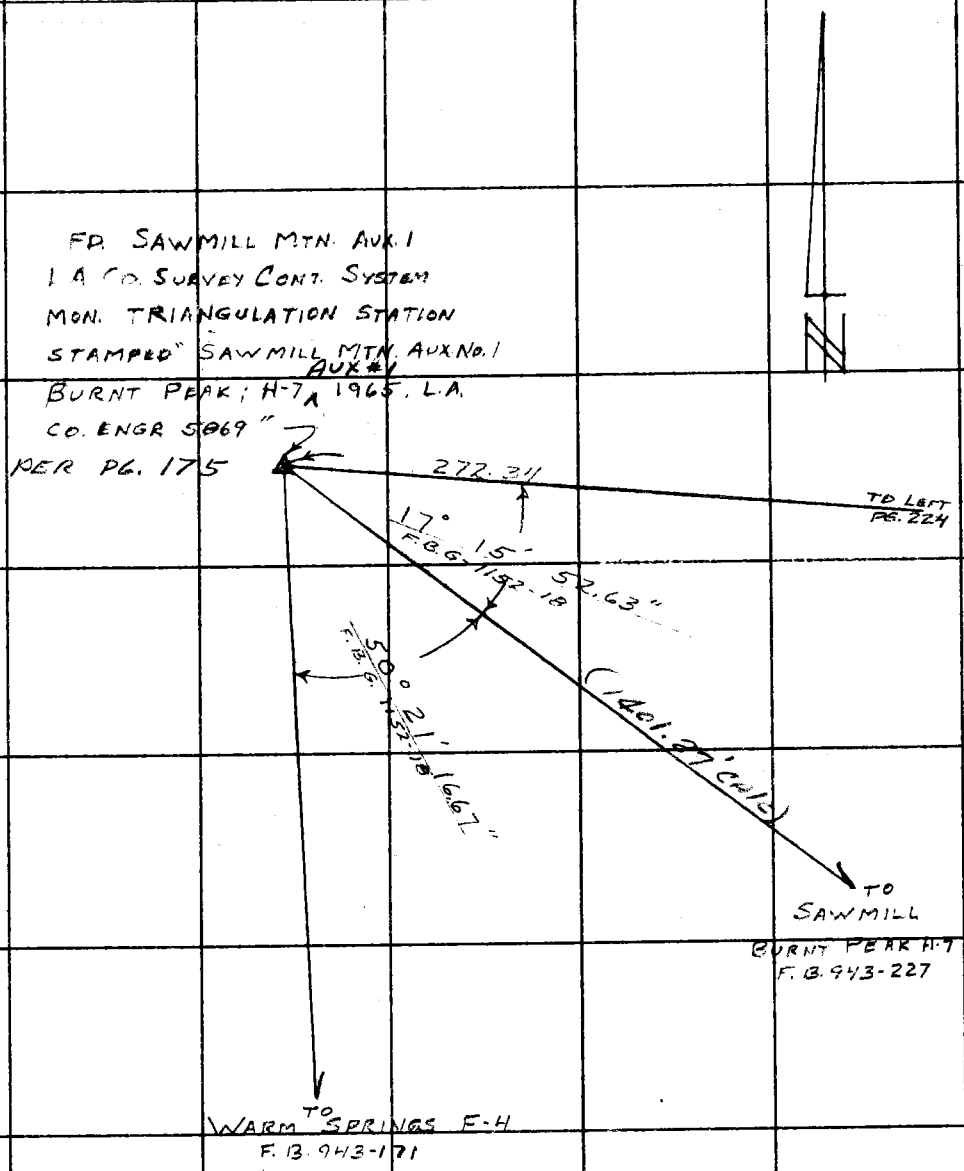
INDEX



F. B. 943 PG 222

Notes Ck'd by	Survey of ANTELOPE VALLEY NET
Map No.	JN 03 01 00 Tape 144 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes FULTON Date 10-8-65
Date	Indexed C. J. GALLI

F. B. 943 PG. 223



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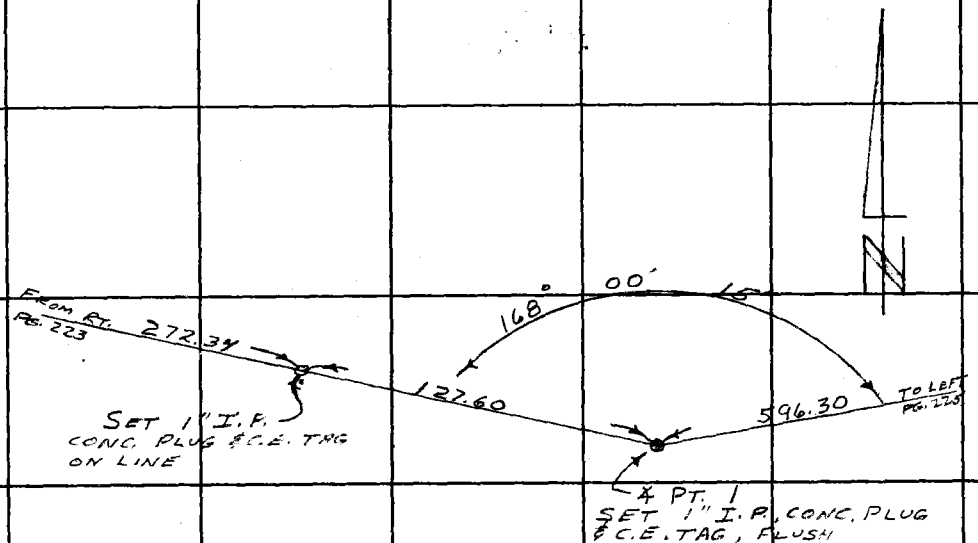
76F309S CE #310 6-62

F. B. 943 PG 224



SAWMILL AVE. to 1" I.P. ON LINE

FOOT TAPE	272.34	@ T. 84° LEV. = 272.34	
METRIC	49.390	@ T. 88° LEV = 49.390	= 83.008 (272.34)
	33.618	@ LEV = 33.618	

1" I.P. to ∡ PT. 1

FOOT	128.63	@ T. 84° 7-15 = 127.60	
	128.73	@ 7-37 = 127.59	
METRIC	39.200	T. 88° DIFF. ELEV. 4.874 (15.99) =	38.896 (127.61)

1) 168-00-15
4) 312-00-40
6) 288-01-30
168-00-15

Noted on Gen. Index Card
Placed on U.S.G.S. Quad. Sh.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

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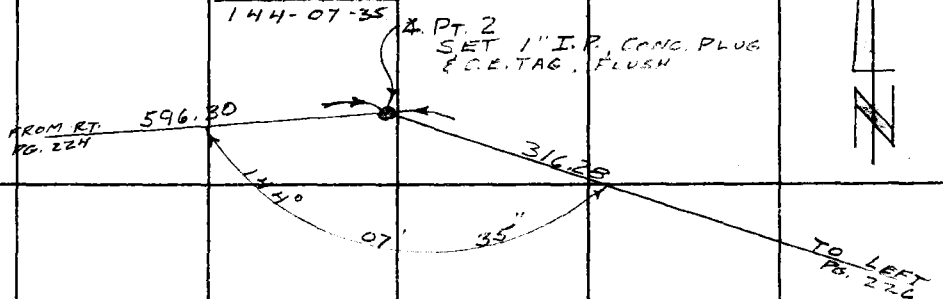
Notes Ck'd by	Survey of A.V. & NET
Map No.	JN 0301.00 Tape 1411 Std 84 °F
Office Work	Surveyed by WILSON
Checked	Notes FULTON Date 10-8-65
Date	Indexed G. J. GALLI

F. B. 943 PG. 225

Noted on Sheet Ck'd ... Placed on U.S. Dwg. Snts. Placed on Sur. Div. W. No. Sketch on Gap. Desc. Card

1) 144-07-30
4) 216-30-15
6) 144-45-30
144-07-35



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℄ PT. 1 to ℄ PT. 2

FOOT

T.84°

163.10 @ LEV = 163.10
300.92 @ 2-55 = 300.53

163.10
300.53
132.67
596.30

T.90

132.88 @ 3-17 = 132.67

METRIC

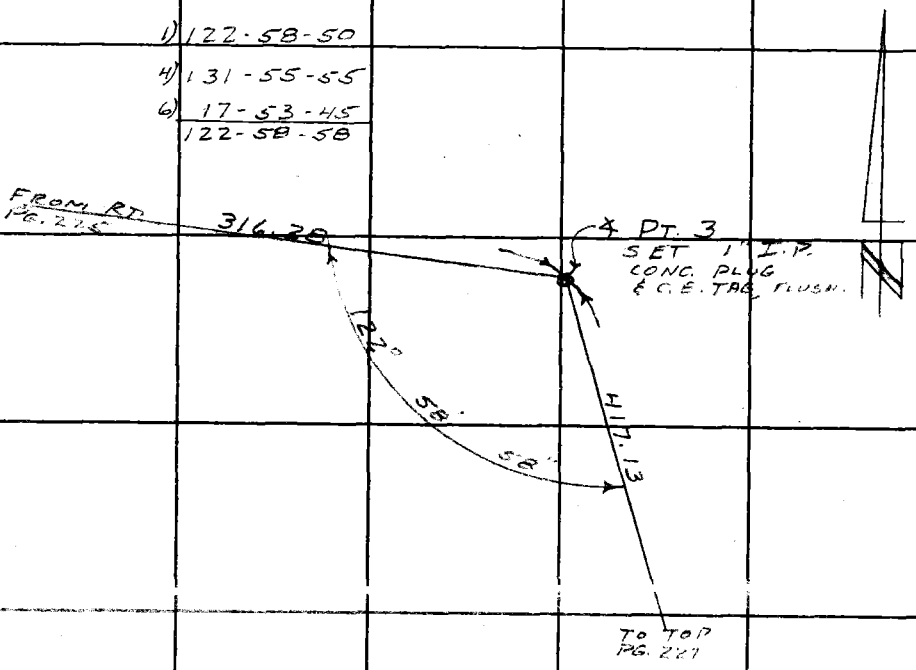
T.86°

49.719	LEV.	=	49.719	(163.12)
16.783	LEV.	=	16.783	(55.06)
40.167	4.535 (14.88)	=	39.910	(130.94)
34.926	1.082 (3.55)	=	34.909	(114.53)
40.579	3.414 (11.195)	=	40.435	(132.66)
				596.31

76F309S CE #310 6-62

F. B. 943 PG 226

1) 122-58-50
4) 131-55-55
6) 17-53-45
122-58-58



℄ PT. 2 to ℄ PT. 3

FOOT

T. 90°

162.45 @ 7-11 = 161.18
162.68 @ 1-48 = 161.18

161.18
155.09
316.27

T. 94°

156.23 @ 6-57 = 155.09
156.01 @ 6-16 = 155.09

METRIC

T. 86°

49.608 6.847 (22.465) = 49.133 (161.20)
47.532 4.948 (16.235) = 47.274 (155.10)
316.30

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Placed on U.S.G.S. Quads.
Placed on Sur. Div. W.S.No.
Sketch on Geo. Desc. Card

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Notes Ck'd by	Survey of A.V. △ NET
Map No.	JN 0301.00 Tape 1114 Std 8" °F
Office Work	Surveyed by WILSON
Checked	Notes FULTON Date 10-4-65
Date	Indexed C. J. GALLI

F. B. 943 PG. 227

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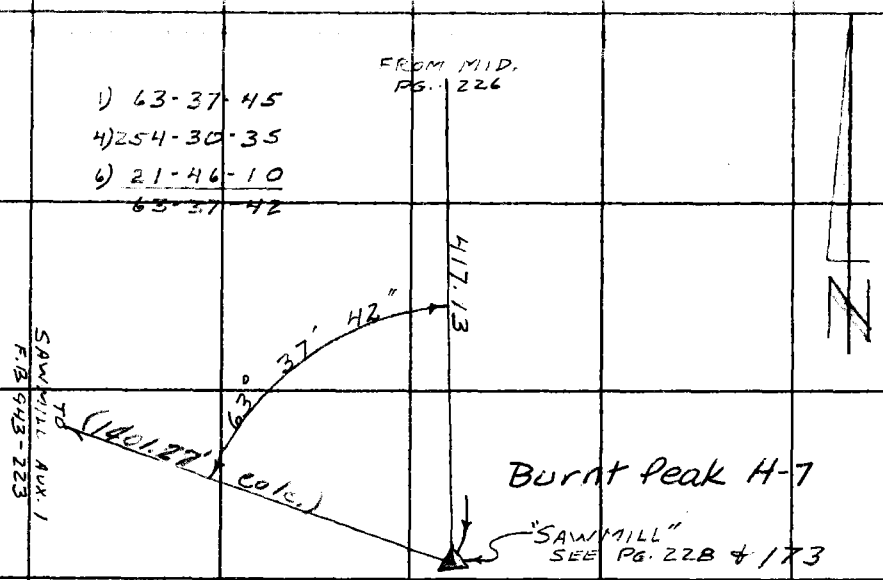


∡ PT. 3 to "SAWMILL"

FOOT

T. 94°

160.46 @ 4-03 = 160.07
163.45 @ 5-03 = 162.83
94.40 @ 3-35 = 94.23

160.07
162.83
94.23
417.13

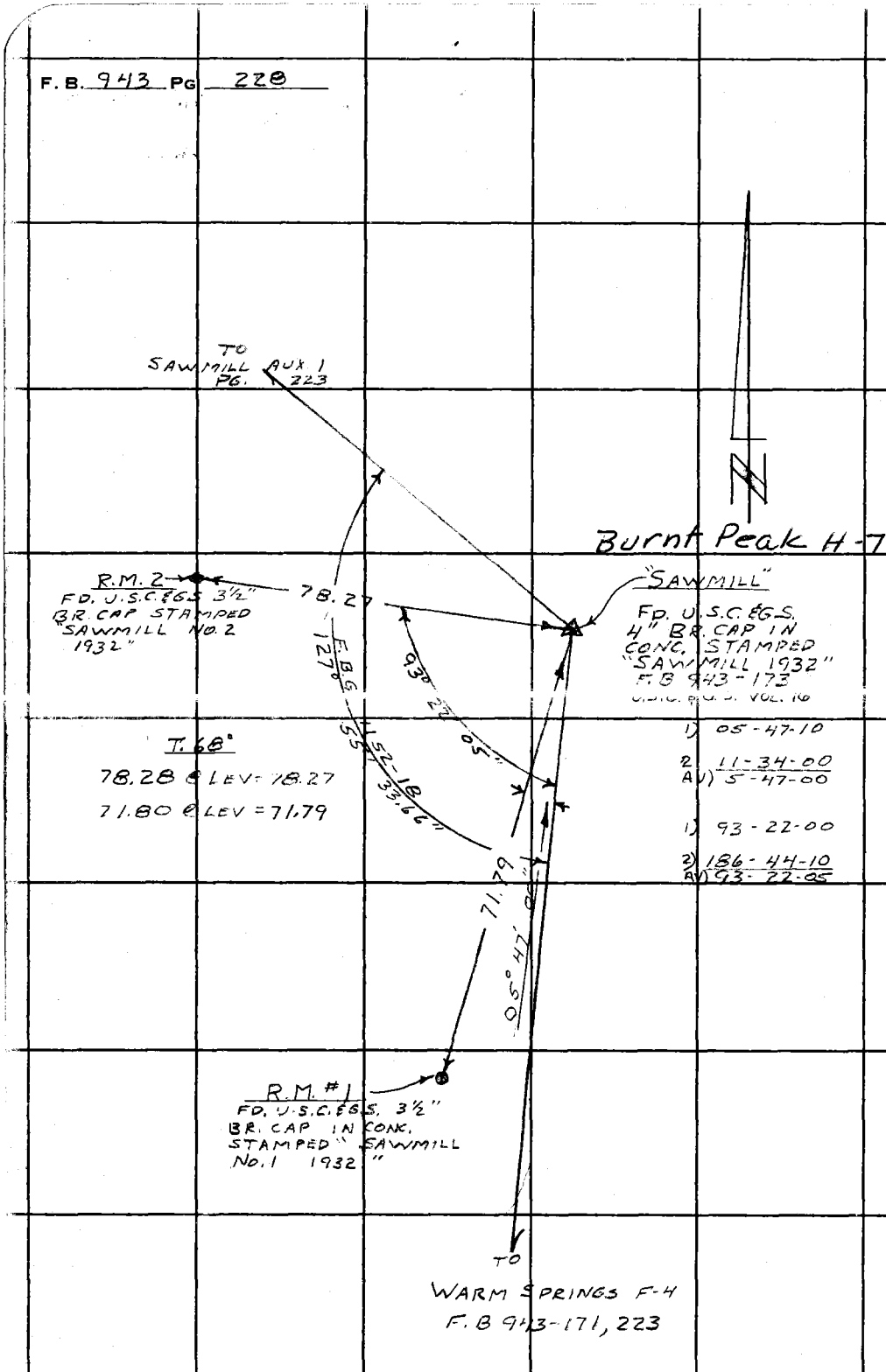
METRIC

T. 84°

48.923	3.554 (11.655)	=	48.794	160.085
49.767	3.624 (11.890)	=	49.635	162.844
28.761	1.673 (5.485)	=	28.712	94.199
				417.13

76F309S CE #310 6-62

F. B. 943 PG 228



Noted on Des. Indx. Card
Placed on U.S.G.S. Quad
Placed on Sur. Div. W.S. Rec.
Sketch on Geo. Desc. Card

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F.B. 943 PG. 229

Profile No. _____ Notes Red _____ Plotted _____ Job No. 030/00 Division No. _____

X-Sec. No. _____ Date _____ Date _____ Survey of Geodetic Control

Notes Chkd. _____ Checked _____ Survey by Wilson Notes Pyle Date Oct-65

Date _____ Date _____ Map No. _____ Indexed C. J. GALLI Date [illegible] 11 [illegible] 1967

(L.A. Co. Sur. Con. [illegible])

To

[illegible]

Level Circuit

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

PARTY

Wilson, R.C.
Fulton, J.R.
Jones, L.W.
Randall, J.G.
Pyle, C.A.
Martinez, E.M.
Will, S.J.

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76-L298 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
Mon. (Aux-1 Sawmill)				[illegible]	(Elev. Assumed) L.A. Co. Sur. Con. [illegible] Sawmill Mtn, Burnt [illegible]	
	2160	[illegible]	[illegible]		F.B. 943 - 175 & 223	
TP (rock)				[illegible]		
	5965	[illegible]	[illegible]			
1" [illegible]				[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]			
TP (1x2)						
	1475	[illegible]	[illegible]			
ΔPt. No. 1				[illegible]	Iron pipe & Co. [illegible]	
	[illegible]	789515	[illegible]		F.B. 943-224	
1x2				[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]			
TP (1x2)						
1x2	[illegible]	[illegible]	[illegible]		[illegible]	
1x2			[illegible]		[illegible]	
	11460	[illegible]	[illegible]			
ΔPt. No 2				[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]		F.B. 943 - 225	
TP 1x2				[illegible]		
	11690	[illegible]	[illegible]			
TP 1x2				[illegible]		

F.B. 943 PG. 230

Job No. 0301.00 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of Geodetic Control Date ____ Date ____ No. ____

Survey by Wilson Notes Pyle Oct. - '65 Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76L-298 CE 307 11-58

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	B.S.	H.I.	F.S.	ELEV.		
[illegible]				[illegible]		
1X2	[illegible]	[illegible]	[illegible]	[illegible]	1X2 Chaining point on edge of road	
[illegible]			1 [illegible]	[illegible]		
	[illegible]	1022380	1 950			
X Pt. 1X2				[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]		F.B. 943-226	
1X2				1032085	1X2 [illegible]	
—	[illegible]	[illegible]	[illegible]			
1X2				[illegible]	1X2 Ch. pt. [illegible]	
	[illegible]	[illegible]	[illegible]			
Mon (Sawmill)				1049460	U.S. Coast & Geodetic Survey, Sawmill 1932	
	1 910	1051 370	11 740		F.B. 943-173 & 228	
TP (1X2)				[illegible]		
	[illegible]	[illegible]	[illegible]			
TP (1X2)				1028280		
	[illegible]	[illegible]	[illegible]			
TP (1X2)				[illegible]		
	[illegible]	[illegible]	[illegible]			
1X2				[illegible]	Ch. point [illegible]	
—	0 365	1007 560	12 125			
TP 1X2				992 [illegible]		

Profile Notes Red ____ Plotted ____ Job No. 0301.00 Division No. ____ F.B. 943 Pg. 231
No. ____ Date ____ Date ____ Survey of Geodetic Control
X-Sec. Notes Chkd. ____ Checked ____ Survey by Wilson Notes Pyle Date Oct-'65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 943 Pg. 232

Job No. 0301.00 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of Geodetic Control Date _____ Date _____ No. _____

Survey by Wilson Notes Pyle Oct-'65 Notes Chkd. _____ Checked _____ X-Sec.

Indexed G. J. GALLI Date _____ Date _____ Date _____ No. _____

STATION	B. S.	H. I.	F S.	ELEV	
					SAWMILL AUX No 1, See F.B. 943-175, 223 & 230.

76L-298 CE 307 11-58

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std 68 °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes J.G. RANDALL Date OCT-65
Date	Indexed R. J. GALL FEB 1 4 5

F. B. 943 PG. 233

Notes Ck'd by Card
Place U.S.C.S. Geod. Sh's
Placed on Sky Ch. S. No.
Sketch of Geo. Des. Card

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

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

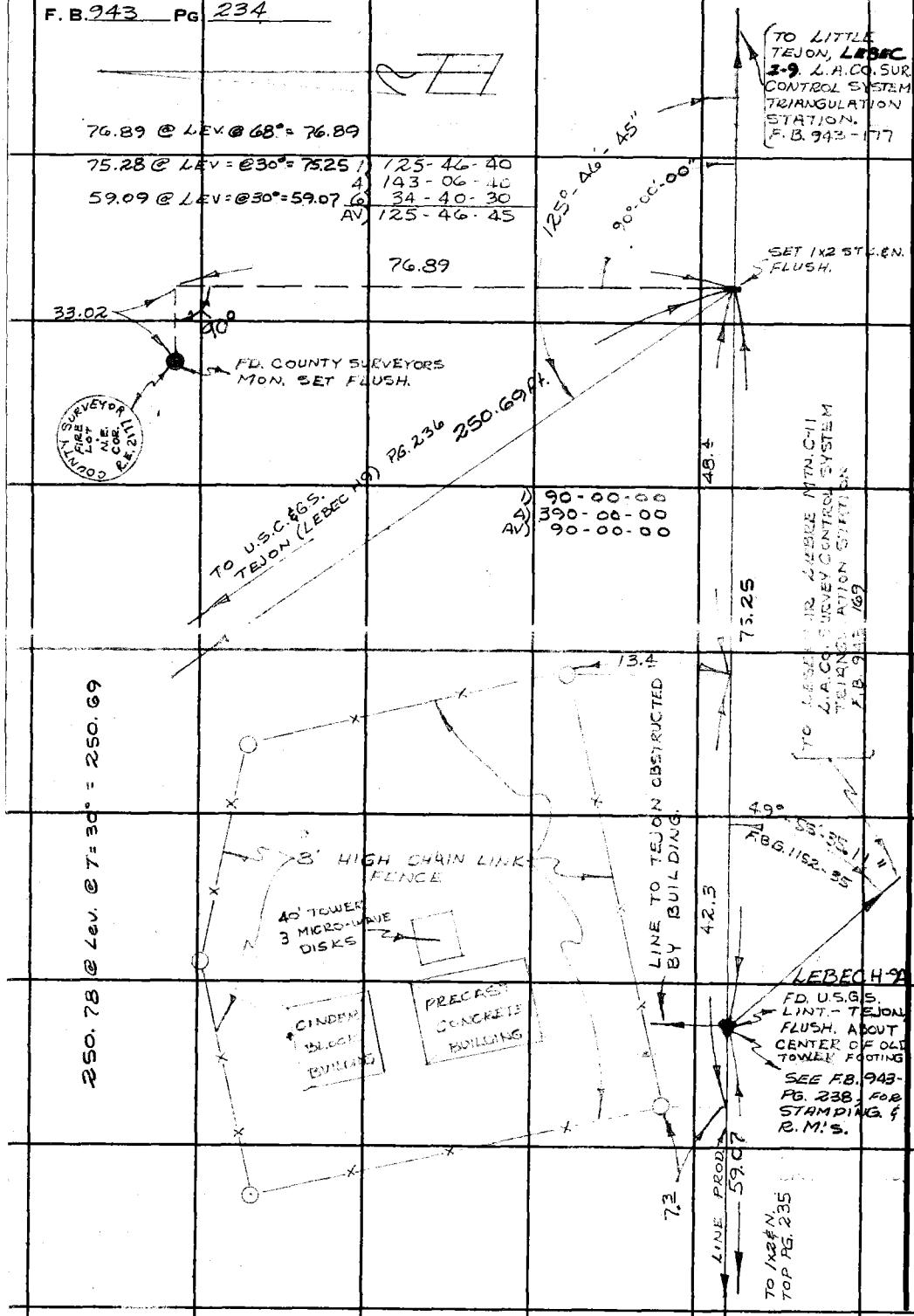
Do not extend this side of this line.

TIE TO
U.S.C&GS TEJON
(LEBEC H-9)
FROM
L.A. CO. LITTLE
TEJON
(LEBEC I-9)
&
RESERVOIR
(LIEBRE MTN. C-11)
&
U.S.G.S. LINT-TEJON
(LEBEC H-9A)

WILSON R.C.
RANDALL J.
PYLE C.
MARTINEZ E.
MANLEY L.

76F3095 CE #310 6-62

F. B. 943 PG. 234



Noted on Geo. Index Card
Placed on U.S.G.S. Quad. Shts.
Placed on Div. W.S. No.
Sketch on Desc. Card

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std 68 °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes J.G. RANDALL Date OCT-65
Date	Indexed C. J. GALLI

F. B. 943 Pg. 235

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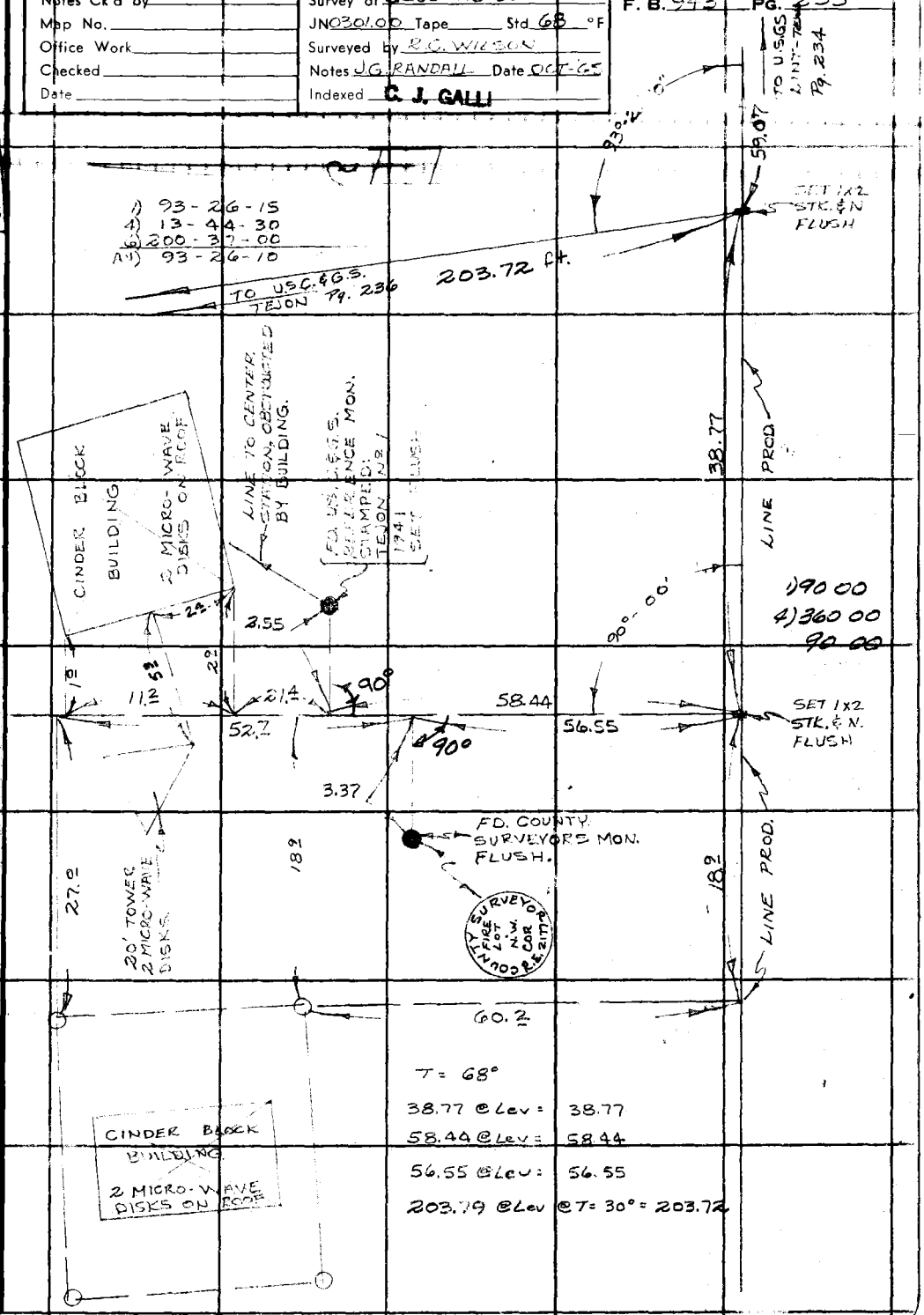
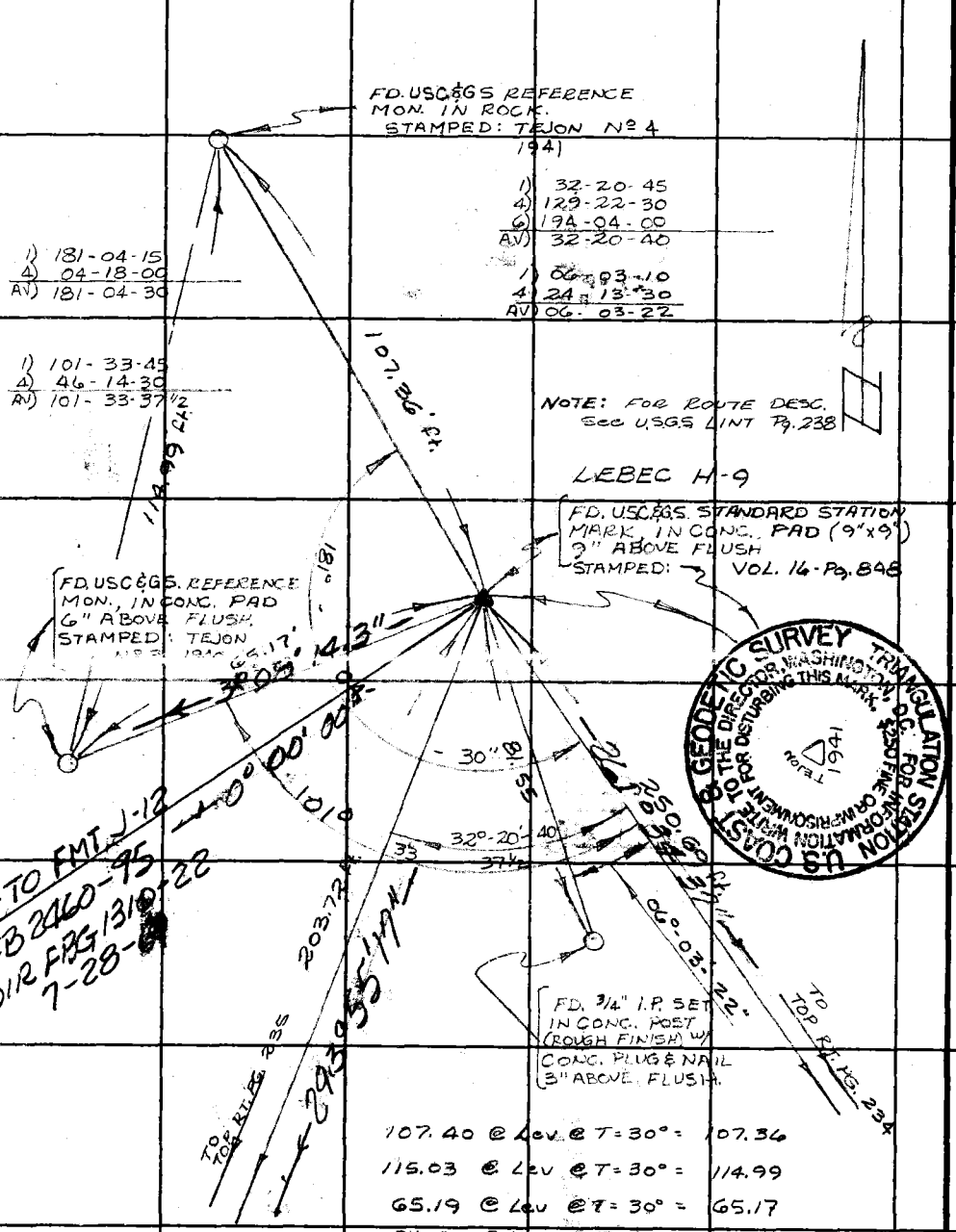


76F309S CE #310 62

F. B. 943 PG 236



U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION
TO THE DIRECTOR, WASHINGTON, D.C. FOR INFORMATION WRITE FOR DISTURBING THIS MARK. $250 FINE OR IMPRISONMENT
TEJON 1941

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103 LOS ANGELES COUNTY ENGINEERING BLDG.

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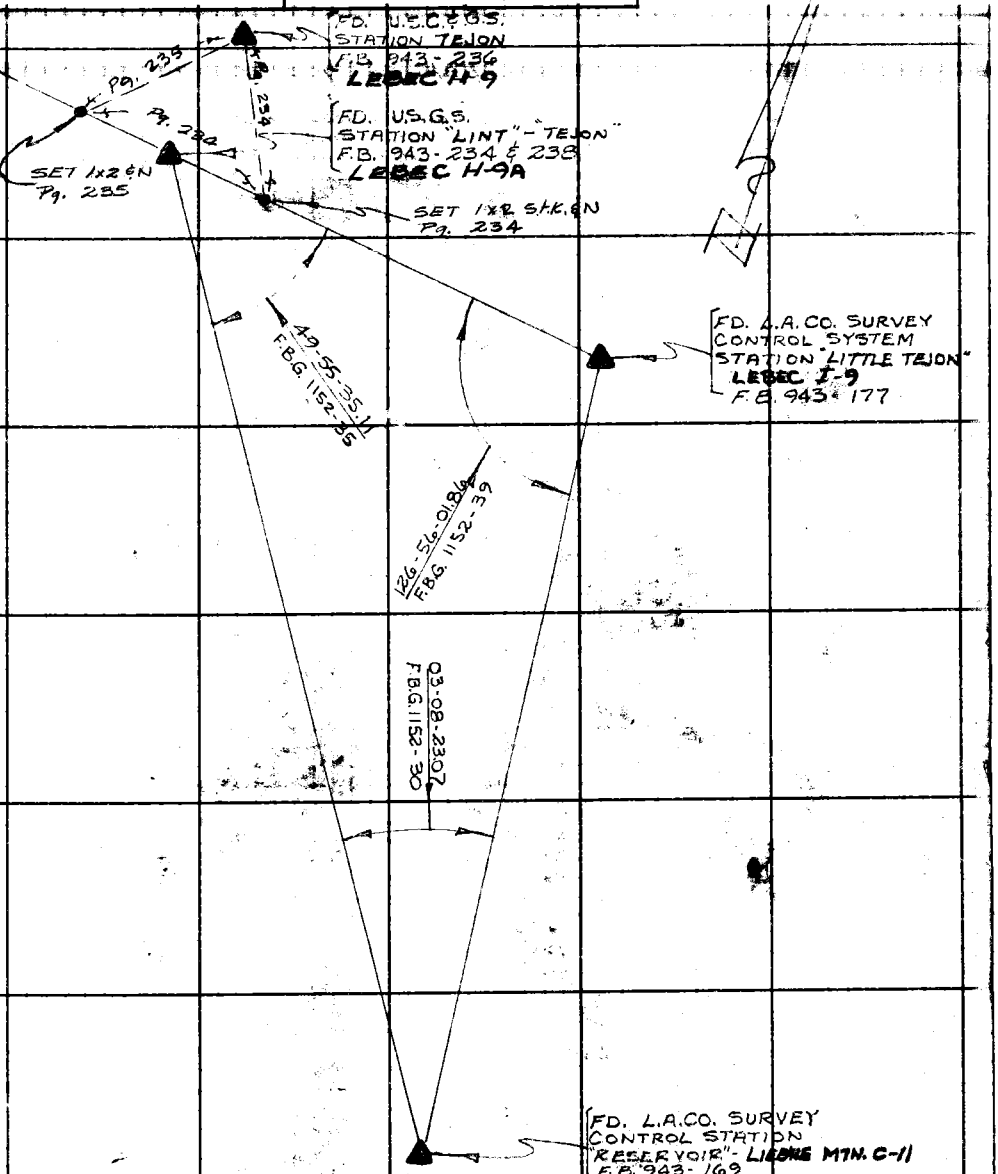
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN030100 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes J.G. RANDALL Date OCT-'65
Date	Indexed C. J. GALLI

F. B. 943 PG. 237



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76F309S CE #310 6-62

F. B. 943 PG 238

~ ROUTE DESCRIPTION ~

LEBEC H-9A

U.S.G.S. STATION

"LINT" "TEJON"

THIS STATION IS LOCATED IN LOS ANGELES COUNTY ON TEJON MTN., ABOUT ONE MILE SOUTH OF KERN - L.A. COUNTY LINE, ADJACENT TO THE MICRO-WAVE STATION AT THE SUMMIT OF THE MTN.

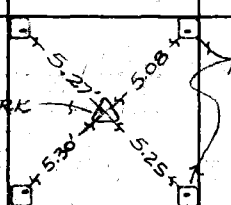
ROUTE:

FROM THE GORMAN OFFRAMP, ON INTERSTATE HIGHWAY "5", OLD U.S. 99, FOLLOW CAL 138, SOUTHEASTERLY 4.0 MILES, TO THE CREST OF A SMALL KNOLL, AND A DIRT ROAD LEADING EASTERLY AND TO THE LEFT, THENCE EAST OVER DIRT RD. 0.7 MILE TO A LOCKED GATE (L-KEY), PASS THROUGH GATE AND CONTINUE EAST 0.4 MILE TO A FORK, TURN LEFT (NORTH'LY) UP GRADE AND FOLLOW DIRT ROAD N'WLY 1.2 MILES TO A JUNCTION WITH OSO FIRE TANK ROAD. CONTINUE STRAIGHT AHEAD (ON TEJON MTN. FIRE RD) TO SUMMIT OF MTN. & MICRO WAVE STATION. STATION IS SOUTH'LY OF MICRO WAVE STATION, AND ABOUT CENTER OF FOOTING OF OLD FIRE LOOK OUT TOWER. (TOWER IS GONE).

STATION MARK:

A 4" U.S. GEOLOGICAL SURVEY, BRASS DISC., STAMPED "IN COOPERATION WITH LOS ANGELES COUNTY, LINT TEJON", IN A 6"x6" CONC. PAD, FLUS WITH GROUND. NOTE: SEE BELOW FOR MON.

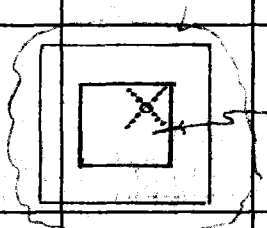
REFERENCE MARKS:



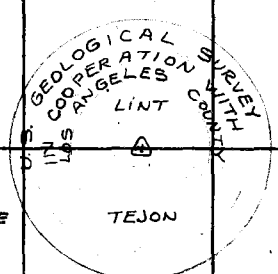
OLD TOWER FOOTING PADS

FOUND PUNCHED X'S IN STEEL PLATES, IN CENTER OF CONC. FOOTINGS, NOT TANGENT

STAMPING ON STATION MARK:



STEEL PLATE ON CONC. FOOTING



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403 Los Angeles County Engineering Bldg.
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Notes Ck'd by	Survey of ZONE 7 TIES
Map No.	JN 0098.05 Tape 145 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 5-13-75
Date	Indexed

F. B. 145 PG. 251

J.N. 0098.05

ZONE 7 TIES

BETWEEN SECS 3 & 10 T5N; R8W

STAS. BLACKBUTTE & EL MIRAGE

VANNESS
HILL
EGSTROM

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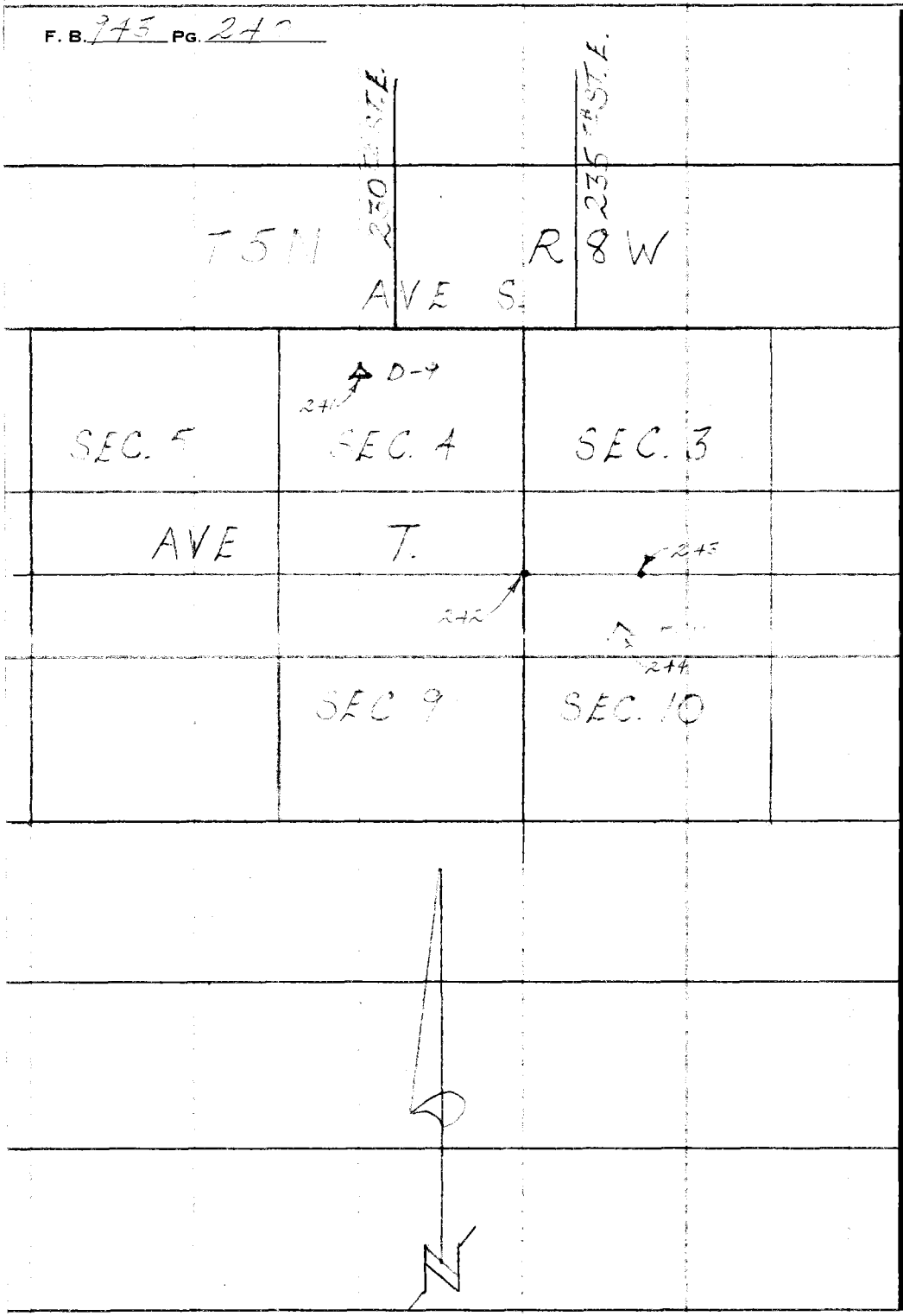
76F309S CE#310 3-69

F. B. 245 PG. 240



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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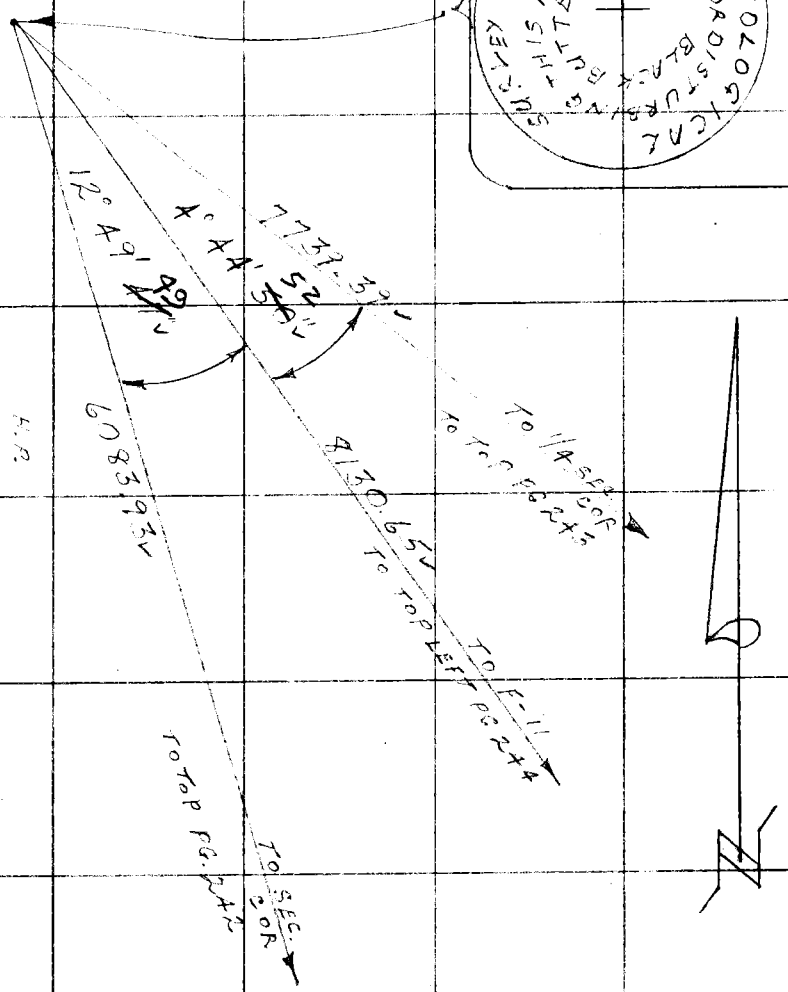
Notes Ck'd by R. BAKER	Survey of ZONE [illegible]
Map No.	JN 0098.05 Tape 175 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes G.L.V. Date 5-13-75
Date	Indexed [illegible] PALMER [illegible]

F. B. 945 PG. 24

1) 4-44-50 1) 12-50-00
4) 18-59-15 4) 51-19-05
4-44-48 3/4 ✓ 12-49-46 1/4 ✓
6) 28-29-00 6) 76-58-40
4-44-50 ✓ 12-49-46 2/3 ✓

△ STA. BLACK BUTTE D-7
FD. U.S. GEOLOGICAL SURVEY MON FL
IN ROCK MOUND MARKED

U.S. GEOLOGICAL SURVEY
8250 FOR DISTURBING THIS MARK
BLACK BUTTE



H.P.
7753.95 @ 86-29-17 = 7739.39 ✓
8132.24 @ 88-52-00 = 8130.65 ✓
6104.02 @ 85-21-00 = 6083.93 ✓

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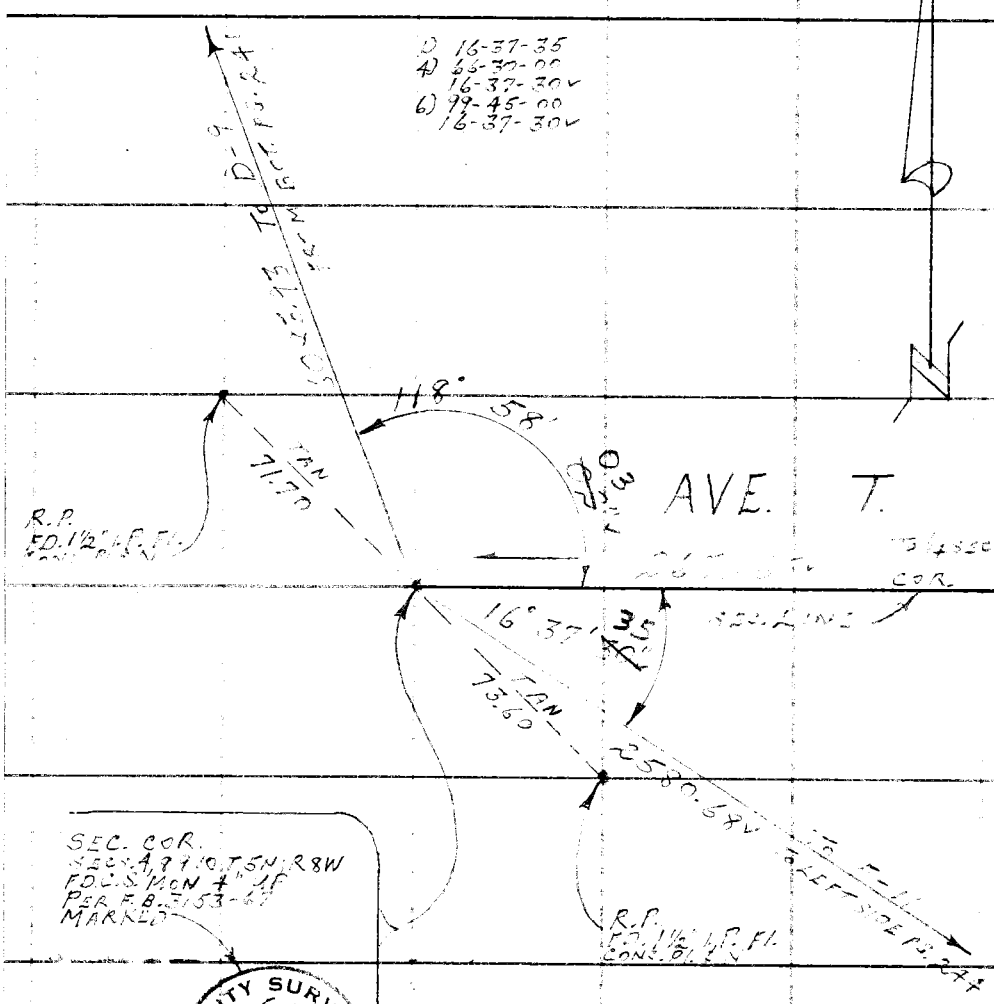
76F309S CE#310 3-69

F. B. 245 PG. 242

2) 118-58-00
4) 115-52-05
118-58-01¼ ✓
6) 353-48-10
118-58-01¾ ✓

2) 16-37-35
4) 66-30-00
16-37-30 ✓
6) 99-45-00
16-37-30 ✓



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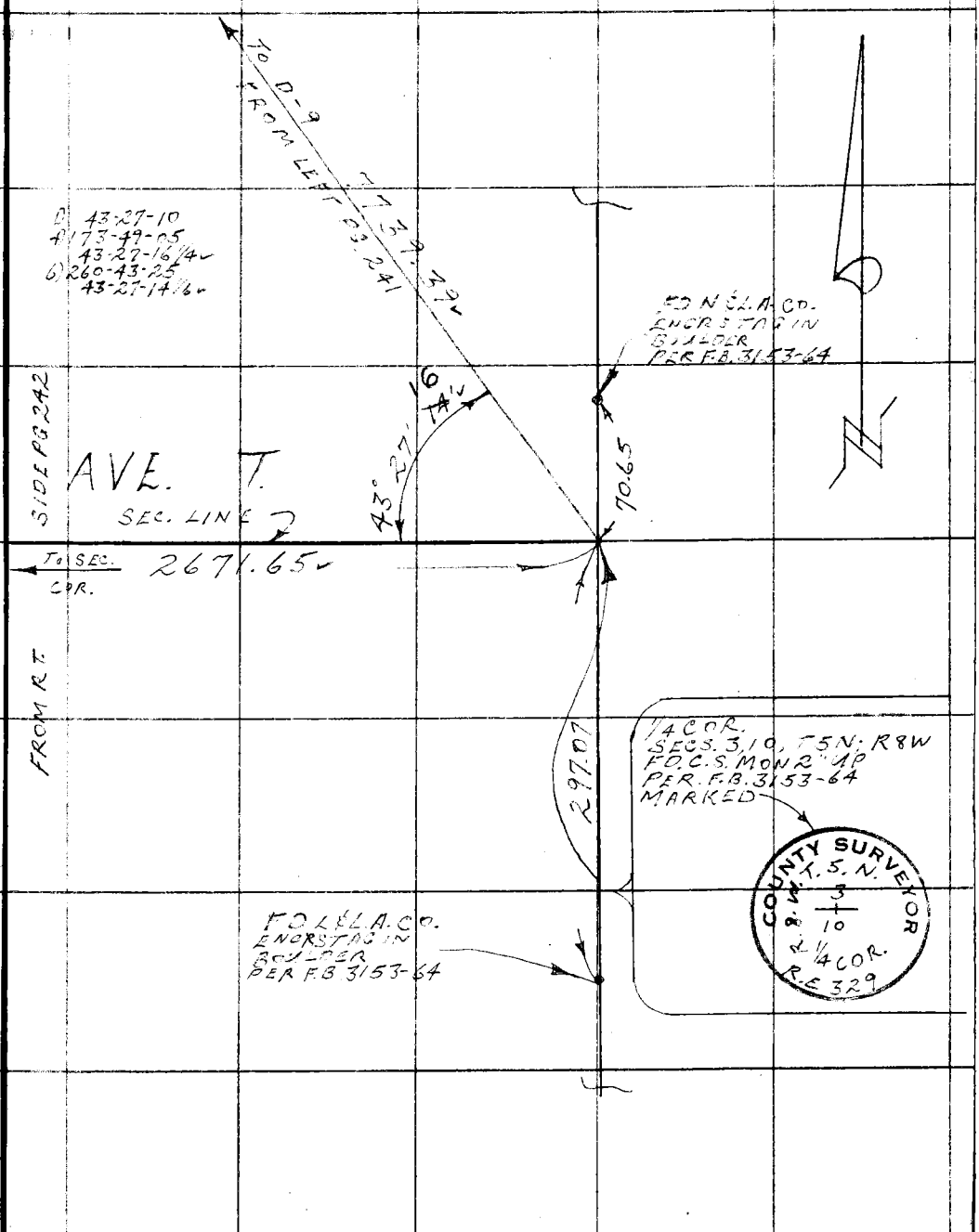
Notes Ck'd by R. BAKI[illegible]	Survey of ZONE 7 FIES
Map No.	JN0098.04 Tape 195 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 5-14-75
Date	Indexed [illegible]

F. B. 243 PG. 245



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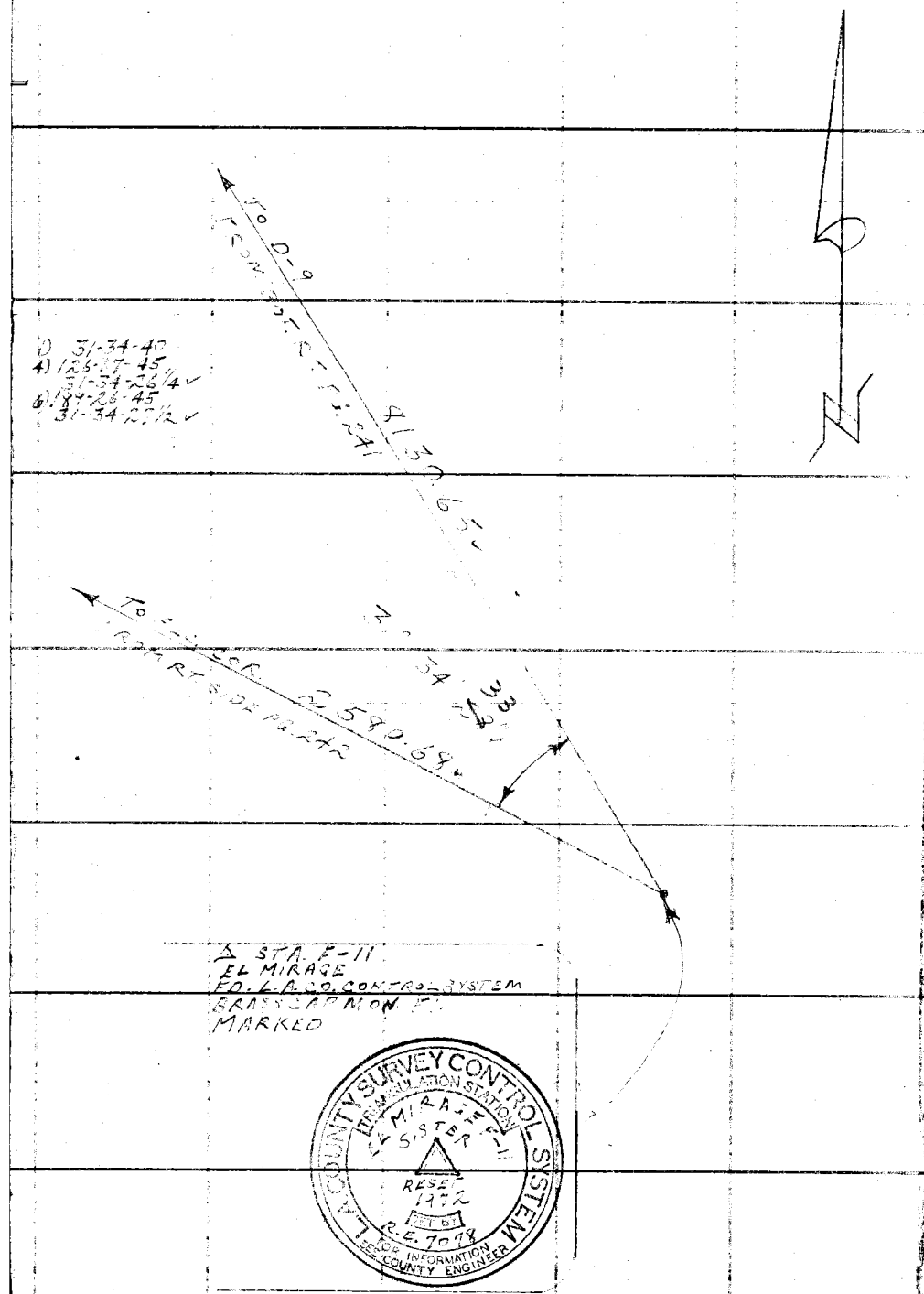
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 943 PG. 244



TO D-9
FROM BOT. RT. PG. 241
8130.65
1) 31-34-40
4) 126-17-45
31-34-26¼
6) 184-26-45
31-34-27½
TO ESS. COR.
FROM RT. SIDE PG. 242
2580.68
STA. F-11
EL MIRAGE
FD. L.A. CO. CONTROL SYSTEM
BRASS CAP MON. FL.
MARKED
L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE F-11
SISTER
RESET
1972
DET. BY
R.E. 7078
FOR INFORMATION
SEE COUNTY ENGINEER