Notes Ck'd by	Survey of GEODETIC CONTROL F. B. 2943 Pg. 5
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by
Checked H. E. McALLISTER	Notes Date
Date	Indexed H. E. OTT DEC 21 '61

GEODETIC CONTROL
JOB NO. 0301.00
TRIANGULATION STATIONS AND CADASTRAL TIES IN ANTELOPE VALLEY

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

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RETURN TO
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900 Los Angeles County Engineering Bldg.

763008 GE #247 7-58

F. B. 2943 PG. 6 BOOK INDEX

PAGE

8 INDEX FOR CAD. TIE, Δ STA. PEACH & PALMDALE 2

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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 Std °F
Office Work	Surveyed by G.E. DREIER
Checked J. F. McMILLAN	Notes G.E.D Date NOV 1961
Date	Indexed H. E. OTT DEC 21 '61

F. B. 2943 PG. 7

GEODETIC CONTROL

JOB NO. 0301.00

CADASTRAL TIES, PALMDALE

1. GEODETIC CONTROL LINE PEACH — VINCE TO AVE R-8 (E-W. CENTER OF SEC. 35 T.6N, R.12W.)

2. GEODETIC CONTROL LINE PEACH — PALMDALE 2 PRODUCED N'LY TO AVE. Q (N'LY LINE SEC. 26, T.6N, R.12W.)

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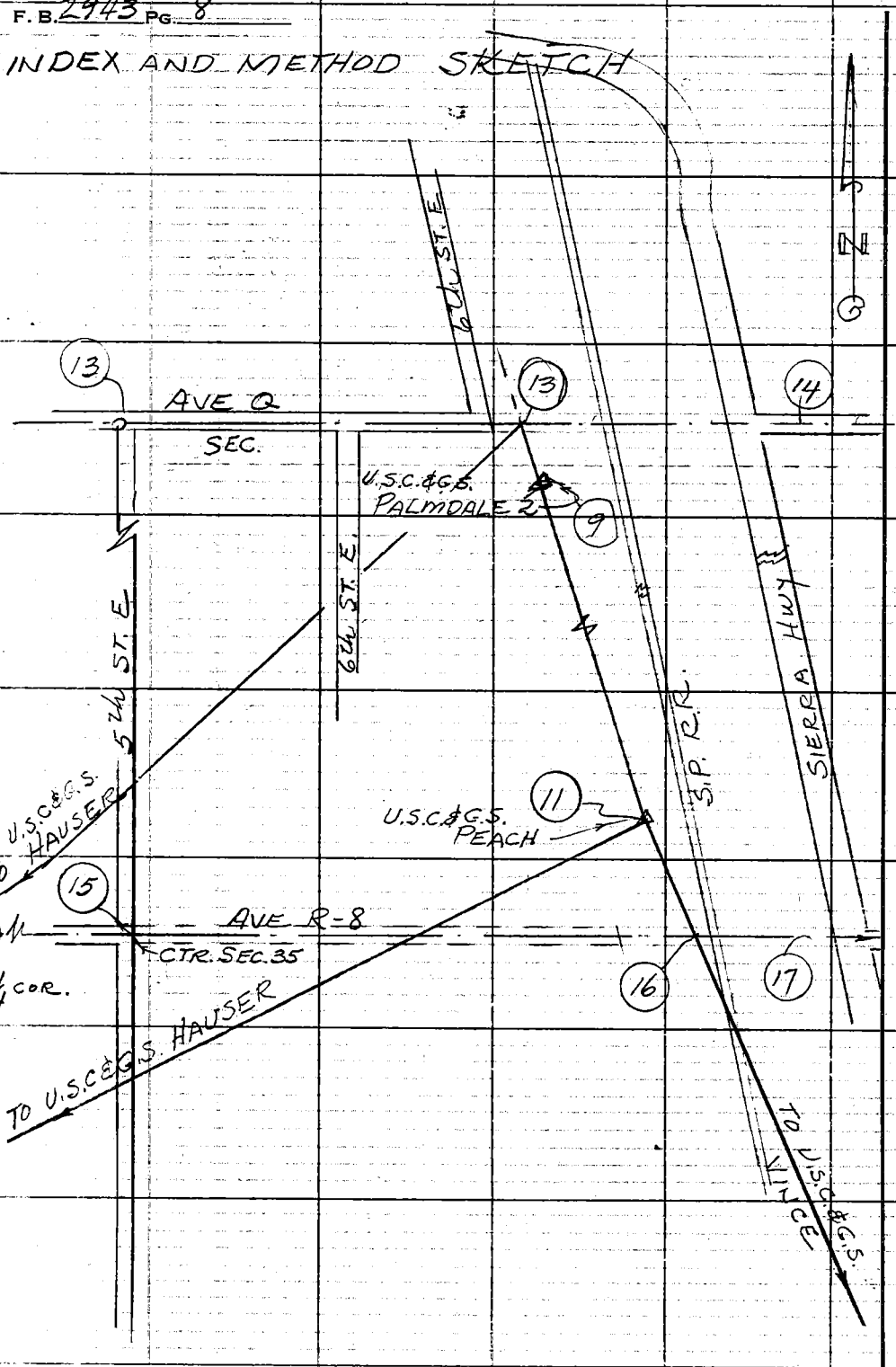
763095 CE #247—7-59

F. B. 2943 PG. 8

INDEX AND METHOD SKETCH



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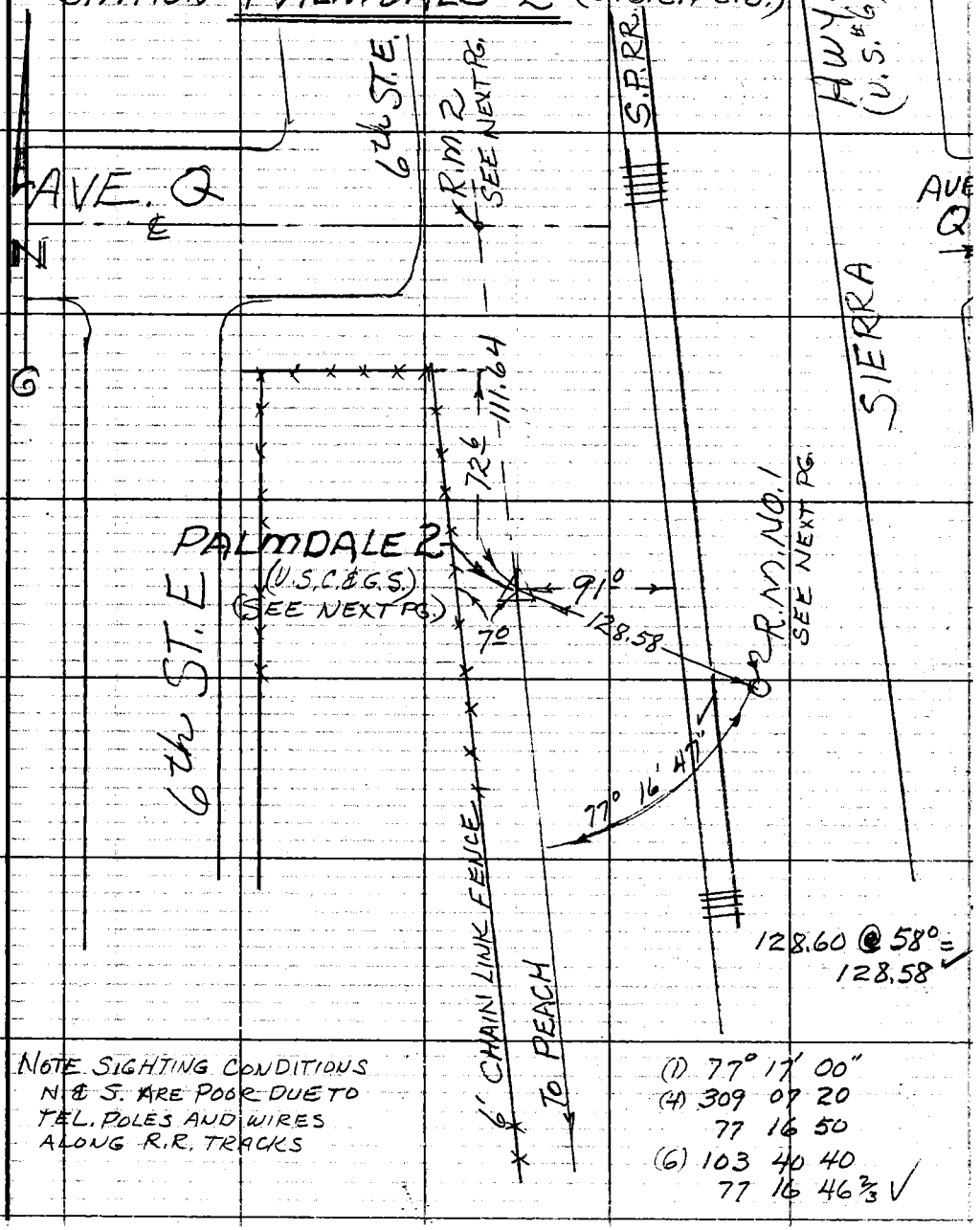
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 167 Std 84 °F
Office Work	Surveyed by G.E. DREIER
Checked J. F. McMILLAN	Notes G.E.D Date 11-24-61
Date	Indexed H. F. OTT

F. B. 2943 Pg. 9

L.A.CO. SURVEY CONTROL SYSTEM TRIANGULATION

STATION PALMDALE 2 (U.S.C.&G.S.)



NOTE SIGHTING CONDITIONS N & S. ARE POOR DUE TO TEL. POLES AND WIRES ALONG R.R. TRACKS

(1) 77° 17' 00"
(4) 309 07 20
77 16 50
(6) 103 40 40
77 16 46⅔ ✓

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763095 CE #247—7-53

F. B. 2943 PG. 10

DESC.

TRIANGULATION STA. PALMDALE 2

THIS STATION IS IN LOS ANGELES COUNTY, IN PALMDALE, NEAR THE INTERSECTION OF AVE. Q AND 6th ST. E. AND SIERRA Hwy. WITH AVE Q, 111.6 FT. S. OF ℄ AVE. Q AND 91 FT. W. OF W. RAIL OF SO. PAC. R.R TRACKS, 7 FT. E. OF A CHAIN LINK FENCE

STATION MARK: FOUND A STD. U.S.C.&G.S. TRIANGULATION STA. BRASS DISC STAMPED "PALMDALE 2 1958", IN THE TOP OF A 10" CONC. POST 4 INCHES ABOVE GROUND.

REFERENCE MARK NO. 1, FOUND A STD. U.S.C.&G.S. BENCH MARK DISC STAMPED "H 426 1935", IN 6" CONC. POST UP 4 INCHES

R.M. #2 SET A 1" I.P. & C.E. TAG 8 INCHES DEEP BY INTER SECTION OF ℄ AVE. Q AND N'Ly PROD OF TRI. LINE "PALMDALE 2" TO "PEACH"

RETURN TO LOS ANGELES COUNTY ENGINEER
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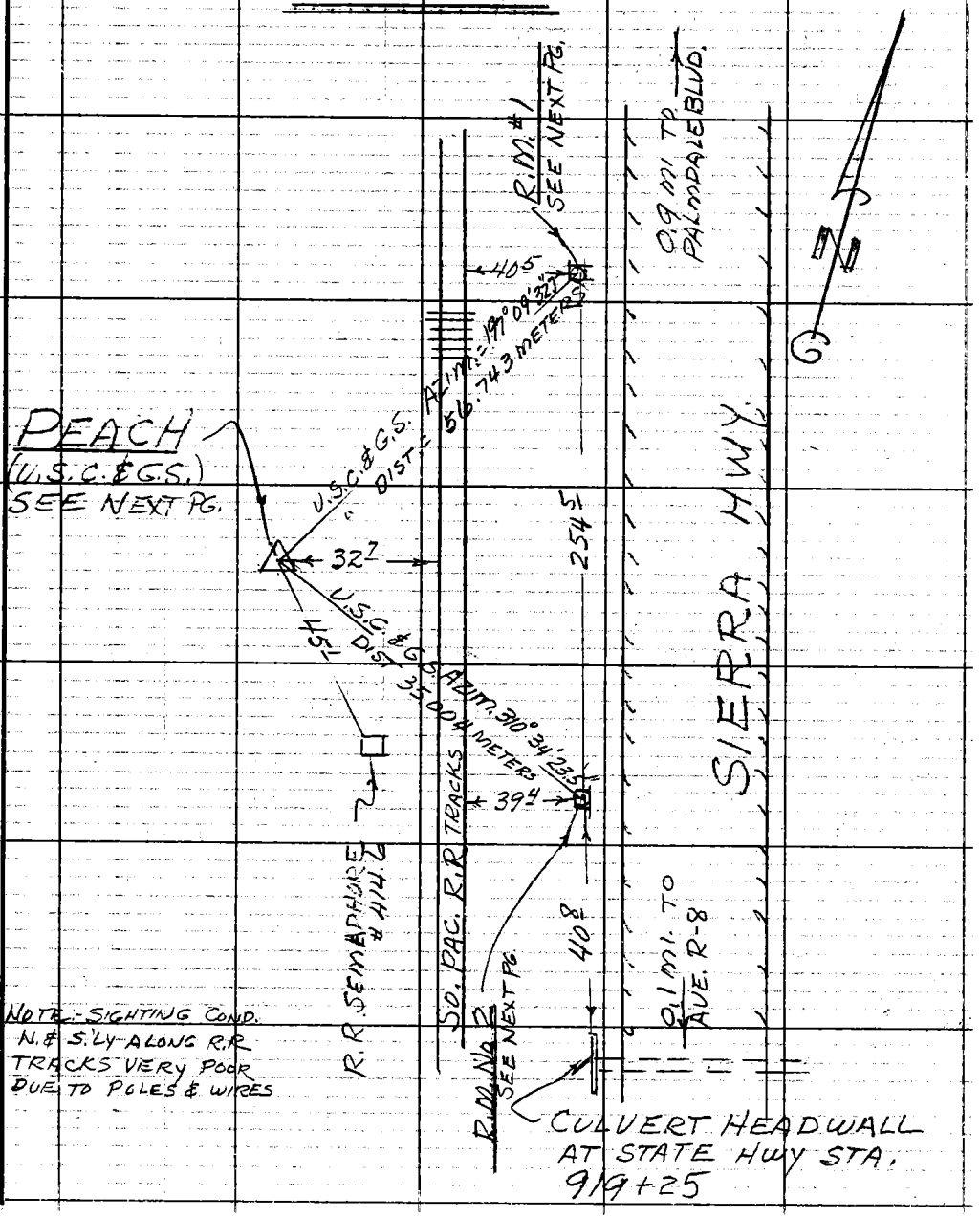
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 167 Std 84 °F
Office Work	Surveyed by G.E. DREIER
Checked L. F. McMILLAN	Notes G.E.D Date 11-27-61
Date	Indexed H. E. OTT

F. B. 2943 PG. 11

L.A.CO. SURVEY CONTROL SYSTEM TRIANGULATION

STATION PEACH



NOTE: SIGHTING COND. N. & S. LY ALONG R.R TRACKS VERY POOR DUE TO POLES & WIRES

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763095 CE #247—7-59

F. B. 2943 PG. 12

DESCRIPTION

TRI. STA. PEACH

THIS STATION IS IN LOS ANGELES CO, AT PALMDALE, 0.9 mi. S. ALONG S.P. RR FROM PALMDALE BLVD & SIERRA Hwy, 524 FT. NLY FROM CENTER OF AVE. R-8, 45.1 FT. N.W.LY FROM R.R. SEMAPHORE 414.6, 32.7 FT. W. OF W. RAIL

STATION MARK - FOUND A STD. U.S.C.&G.S. TRIANGULATION STA. BRONZE DISC STAMPED "PEACH 1938" IN TOP OF A 10" CONC. POST 6 INCHES ABOVE GROUND

R.M. NO. 1 FOUND A STD. U.S.C.&G.S. BENCH MARK DISC STAMPED "E-427 1935", IN 6" CONC. POST UP 4 INCHES AT U.S.C.& G.S. GEODETIC AZIMUTH 197° 09' 32.7" AND DISTANCE 56.743 METERS

R.M. NO. 2 FOUND A STD. U.S.C.&G.S. BENCH MARK DISC STAMPED "E-427 1938", IN 6" CONC. POST UP 4 INCHES AT U.S.C.&G.S. GEODETIC AZIMUTH OF 310° 34' 23.5", AND DISTANCE OF 36.004 METERS

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 167 Std 84° °F
Office Work	Surveyed by G.E. DREIER
Checked J. F. McMILLAN	Notes G.E. DREIER Date 11-27-61
Date	Indexed H. E. OTT

F. B. 2943 Pg. 13

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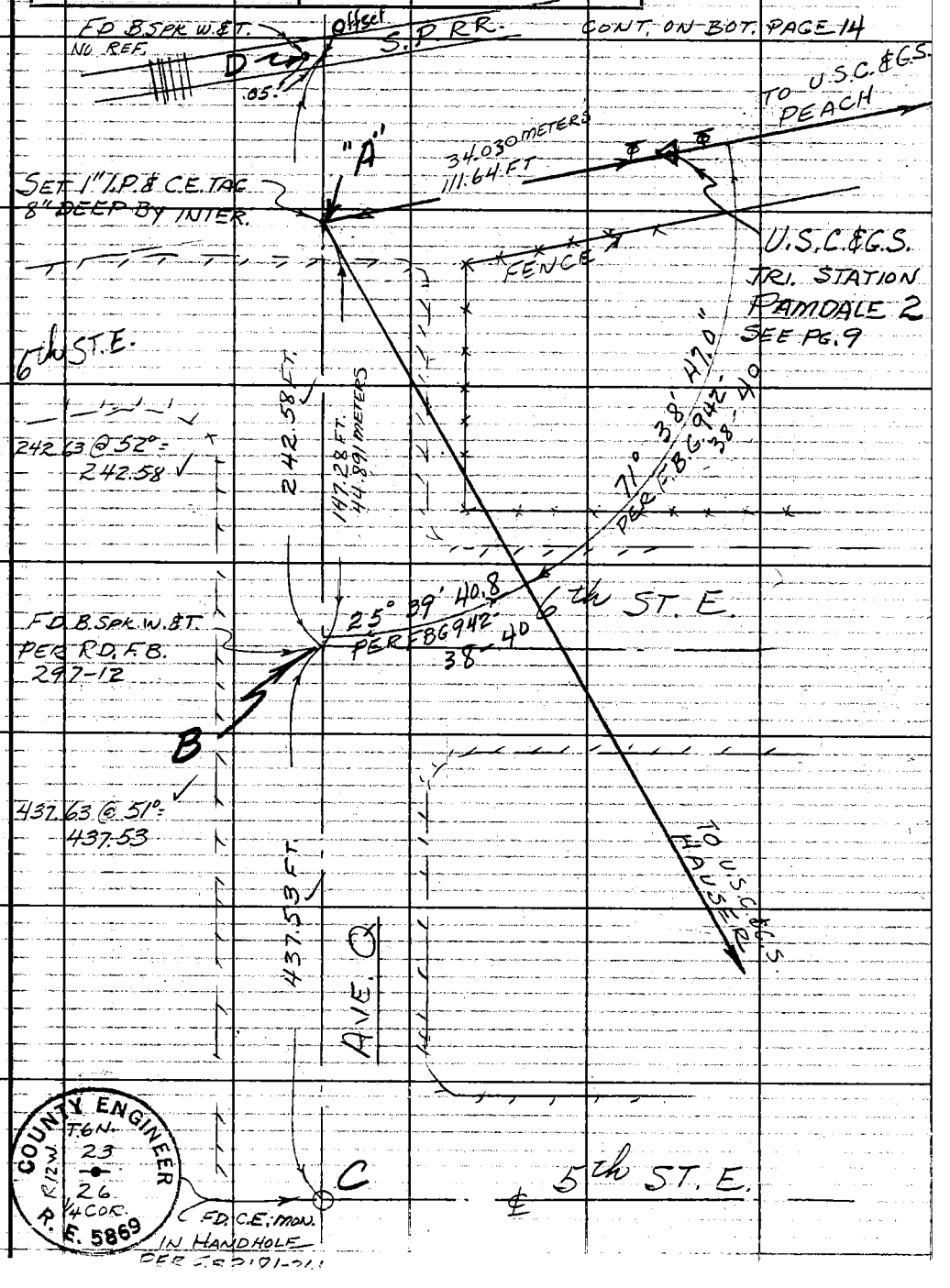
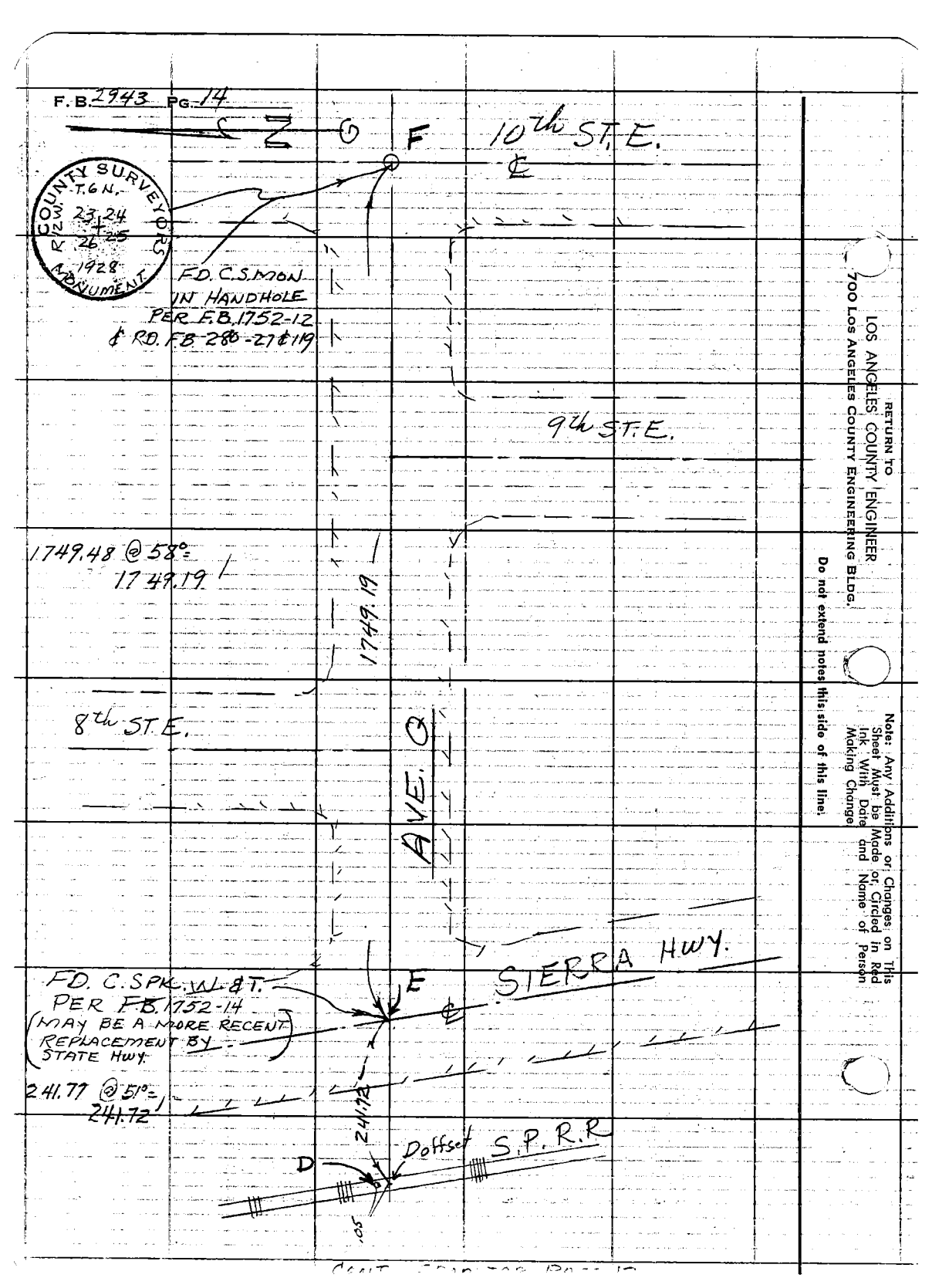


COUNTY ENGINEER
T.6N.
R.12W.
23
26
1/4 COR.
R.E. 5869

76309S CE #247—7-58

F.B. 2943 Pg. 14



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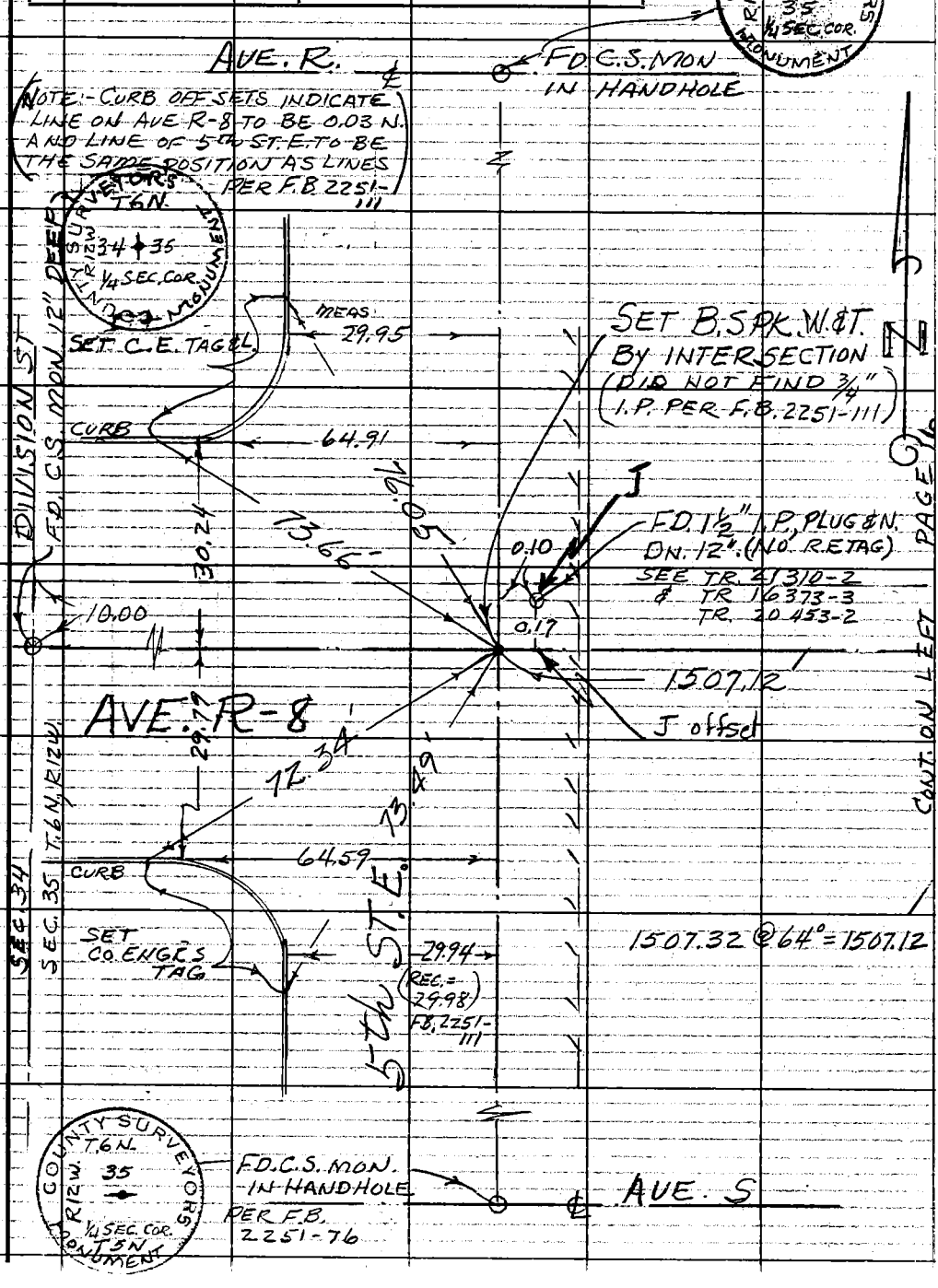
Map No.	JN 0301.00 Tape 167 Std 84 °F
Office Work	Surveyed by G.E. DREIER
Checked J. F. McMILLAN	Notes G.E.D. Date 11-27-61
Date	Indexed H. E. OTT

F.B. 2943 PG. 15



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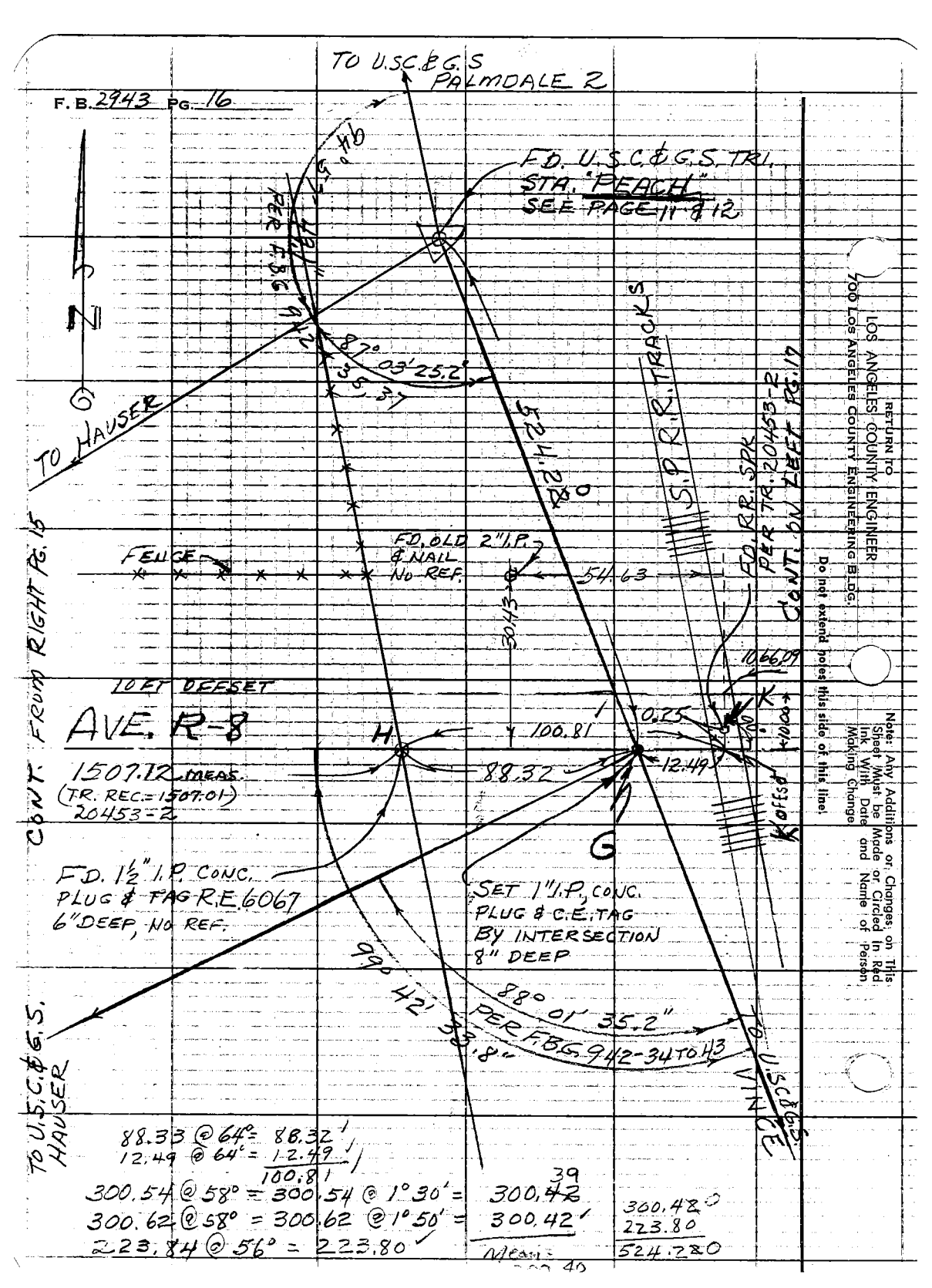
763098 CE #247 7-59

F. B. 2943 PG. 16



88.33 @ 64° = 88.32
12.49 @ 64' = 12.49
100.81

300.54 @ 58° = 300.54 @ 1° 30' = 300.42
300.62 @ 58° = 300.62 @ 1° 50' = 300.42
223.84 @ 56° = 223.80

Mean = 300.42

300.42
223.80
524.22

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

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Notes Ck'd by	Survey of GEODETIC CONTROL
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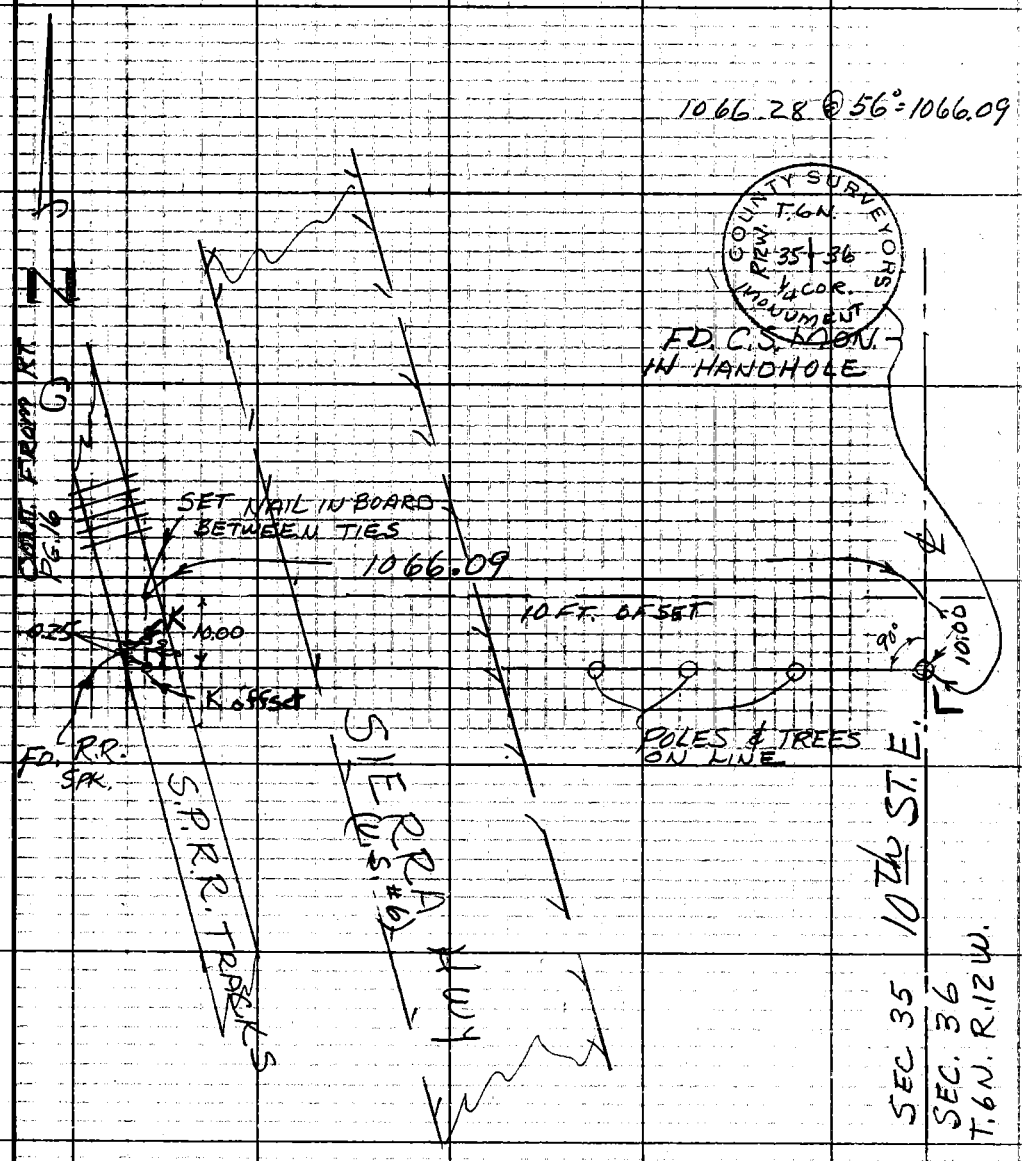
Office Work	Surveyed by G. E. DREIER
Checked J. F. McMILLAN	Notes G. E. D. Date 11-27-61
Date	Indexed H. E. OTT

F. B. 2943 PG. 17



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/00 LOS ANGELES COUNTY ENGINEERING BLDG.

763093 CE #247—7-53

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

Survey of Geodetic Control
J.N. 030100 Tape — Std — °F
Surveyed by J.G. Randall
Notes JGR Date Oct-Nov-68
Indexed GILBALT 22

F. B. 2943 PG. 12

CADASTRAL TIE'S IN NW ANTELOPE VALLEY

030100

F.L. 5175

REFERENCE
F.B. 3186

PARTY
Randall
Dover
Martinez
Pyle

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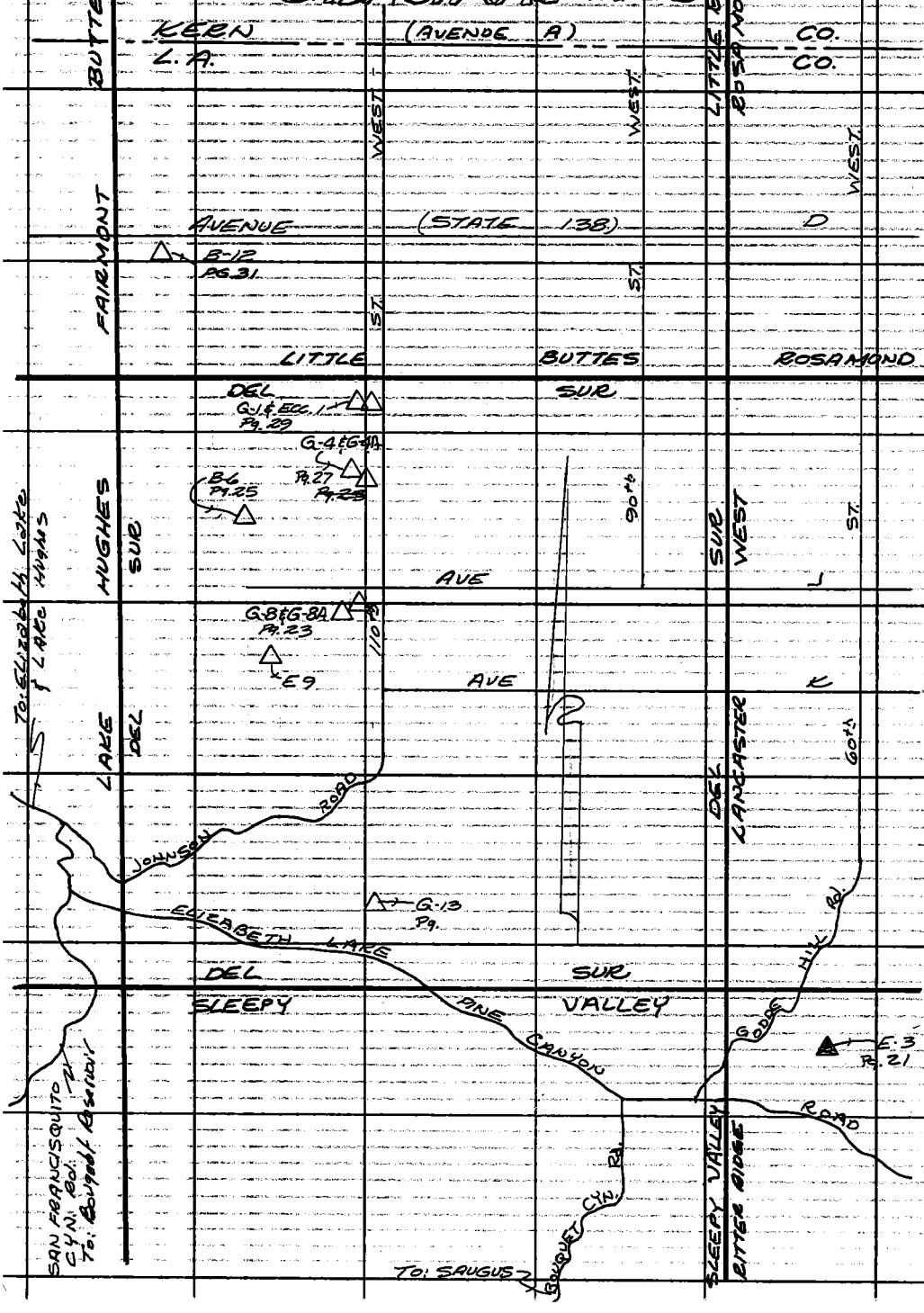
403 Los Angeles County Engineering Bldg.

76F3095 CE#310 1-65

F. B. 2943 PG. 20

INDEX OF CADASTRAL TIES



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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 030100 Tape 175 Std 84 °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes JGR Date 31-oct-68
Date	Indexed G. L. GALLI JAN 22 70

F. B. 2943 PG. 31

CADASTRAL TIE

USING

RITTER RIDGE E3 & L6

TO

EAST LINE OF THE S.E.4
OF SECTION 14 - T6N - R13W
S.B.M

030100 F.L. 5175

RANDALL
DOVER
MARTINEZ
PYLE

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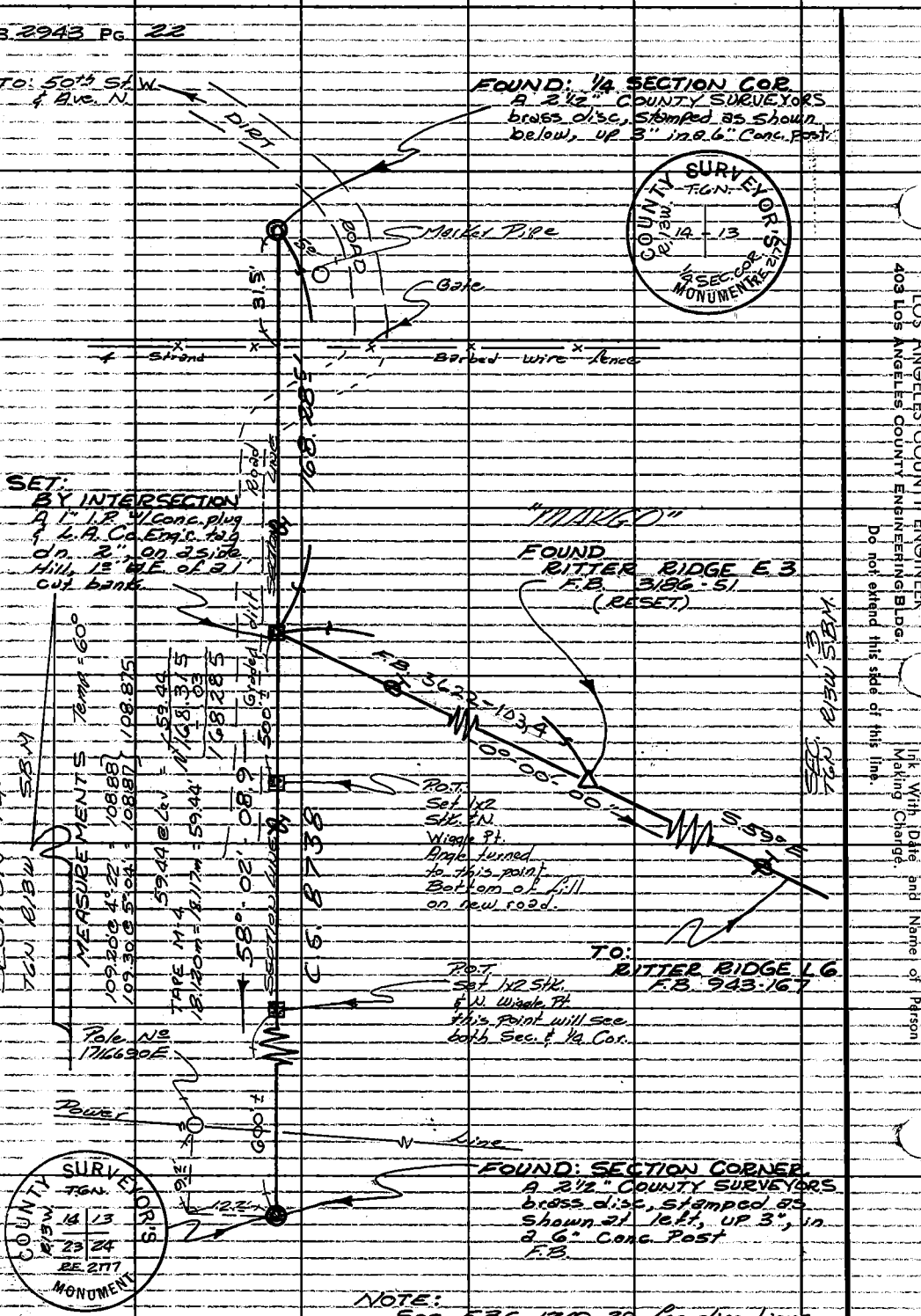
76F309S CE#310 1-65

F. B. 2943 Pg. 22



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

GEODETIC CONTROL F. B. 2943 PG. 23
Survey of
JN 030100 Tape 175 Std. 84 °F
Surveyed by J. G. RANDALL
Notes JGR Date 30 oct 68
Indexed [redacted] GALLI JAN 22 70

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

CADASTRAL TIE

USING

DEL SUR G-8, G-8A, & E-9

TO

THE EAST LINE OF THE
N.E. [redacted] 4 of Sec. 23: T1N: R14W
S.B.M.

030100 EL 5175

RANDALL
DOUER
MARTINEZ
PYLE

16F309S CE#310 1-65

F. B. 2943 PG. 24

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GEODETIC CONTROL

Notes Ck'd by	Survey of
Map No.	JN 0301.00 Tape 175 Std 84 °F
Office Work Paw	Surveyed by J. G. RANDALL
Checked	Notes JGR Date 25-06-68
Date	Indexed [illegible] GALLI JN 22 '70

F. B. 2943 PG. 25

CADASTRAL

TIE

USING

DEL SUR B-6

0301.00

F.L. No 5175

Randall

Dover

Martinez

Pyle

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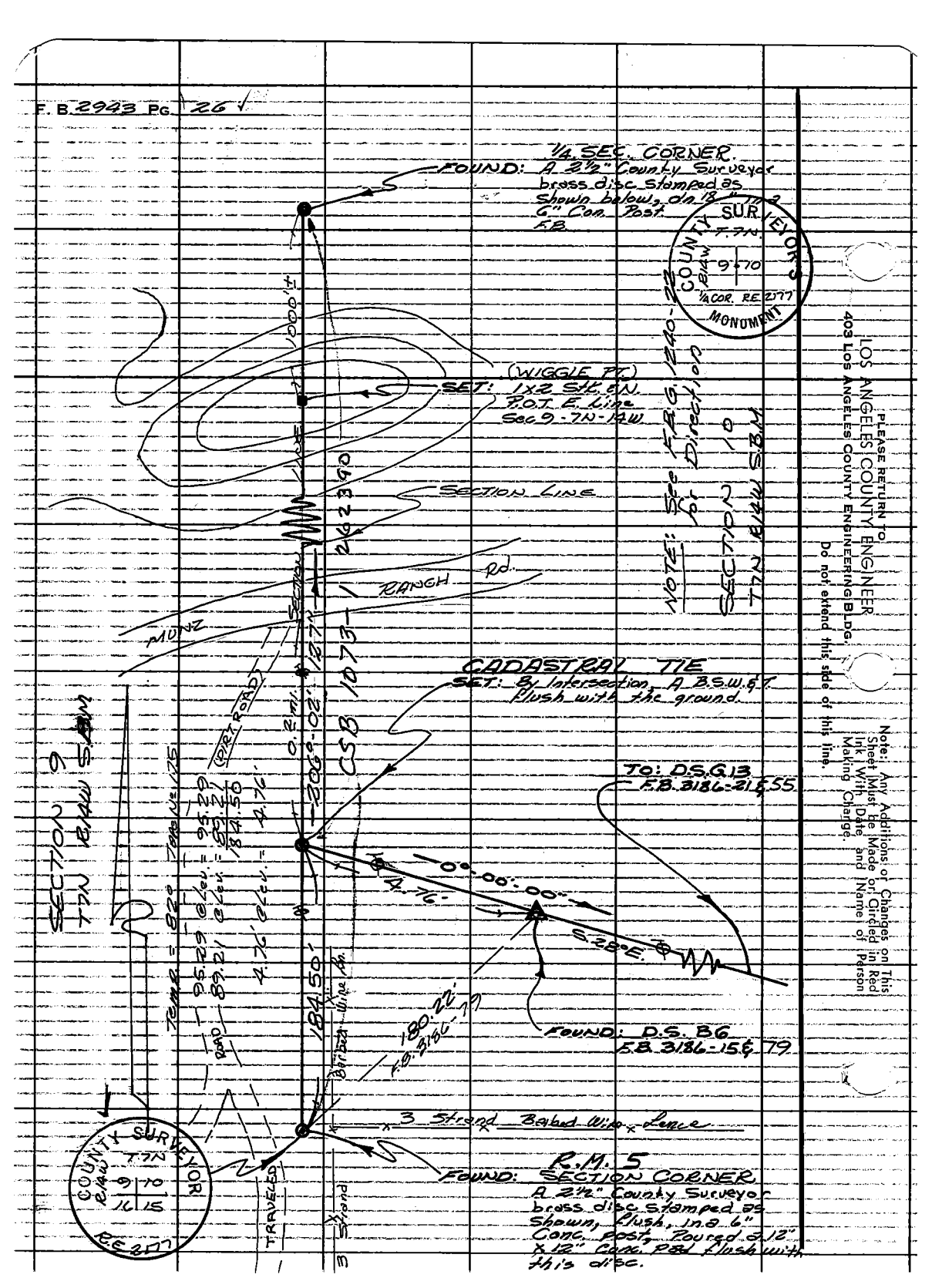
76F309S CE#310 1-65

F. B. 2943 Pg. 26



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Notes Ck'd by
Map No.
Office Work R.J. m.
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Date

Survey GEODETIC CONTROL F. B. 2943 PG. 27
JN 0301.00 Tape 175 Std 84 °F.
Surveyed by J. G. RANDALL
Notes JGR Date 1-NOV-68
Indexed [redacted] GALL JM 22

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CADASTRAL TIE

USING

LITTLE BUTTES C15
DEL SUR G4
DEL SUR G4A

TO

THE EAST LINE OF THE
S.E. 1/4 of SECTION 2
T1N R14W S.B.M

0301.00 FL 5175

RANDALL
DOVER
MARTINEZ
PYLE

76F3095 CE#310 1-65

F. B. 2943 PG 28 ✓

TAPE № 175 Temp. = ~~64°~~ 62°

A @ Lev.	B
200.80	201.94
200.76	200.77
248.84	247.70
650.40	650.41
- .09	.09
650.31	650.32

mean = 650.31±'

FOUND:
1/4 Section Corner
A 2½" COUNTY SURVEYORS brass disc, stamped as shown, dn 12" in a 6" Conc. post, protected by a Cast iron Cover Per F.B.

CADASTRAL TIE
SET: By Intersection, A B.S.W. & T., flush in Rock & Oil pavement

TAPE № 175 Temp. = 62°

27.79' @ Lev. = 27.79'

TAPE № M4

8.467m = 8.467m = 27.77±'

FOUND:
SECTION CORNER
A 2½" COUNTY SURVEYORS brass disc stamped as shown at left, 28", protected by a Cast iron Cover Per F.B.

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

Survey GEODETIC CONTROL F. B. 2943 PG. 29
JN 0301.00 Tape 175 Std 84 °F.
Surveyed by J. G. RANDALL
Notes JGR Date 7-Nov-63
Indexed [redacted] GALLE JAN 22 70

CADASTRAL TIE

USING

LITTLE BUTTES C-15
DEL SUR G.1 ECC. 1

TO

THE EAST LINE OF THE N.E. 1/4 OF SECTION 35 - T8N - R14W. SBM.

0301.00 EL 5175

RANDALL
DOVER
MARTINEZ

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76F309S CE#310 1-65

F.B. 2943 PG 30

MEASUREMENTS
TAPE Nº 175 & 180

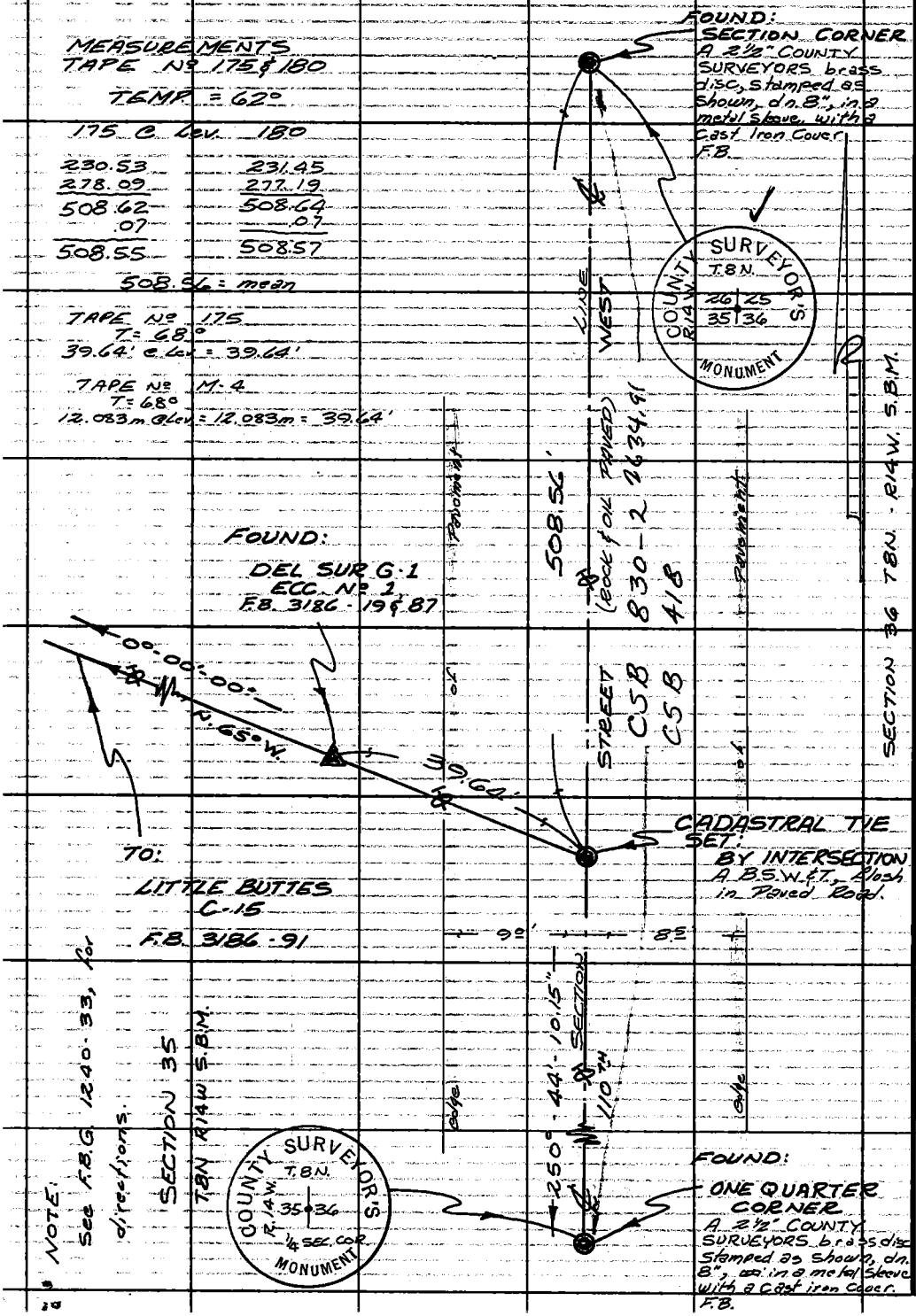
TEMP = 62°

175 @ Lev.	180
230.53	231.45
278.09	277.19
508.62	508.64
.07	.07
508.55	508.57

508.56 = mean

TAPE Nº 175
T = 68°
39.64' @ Lev = 39.64'

TAPE Nº M-4
T = 68°
12.083m @ Lev = 12.083m = 39.64'



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Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 175 Std 84 °F
Office Work (Pen)	Surveyed by J.G. Randall
Checked	Notes 162 Date 3 Nov 68
Date	Indexed G.T. GATES JAN 22 '70

F.B. 2943 PG. 31

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CADASTRAL TIE

AT

LITTLE BUTTES B-12

TO

THE EAST LINE OF SECTION 21
T8N - R14W S.B.M.

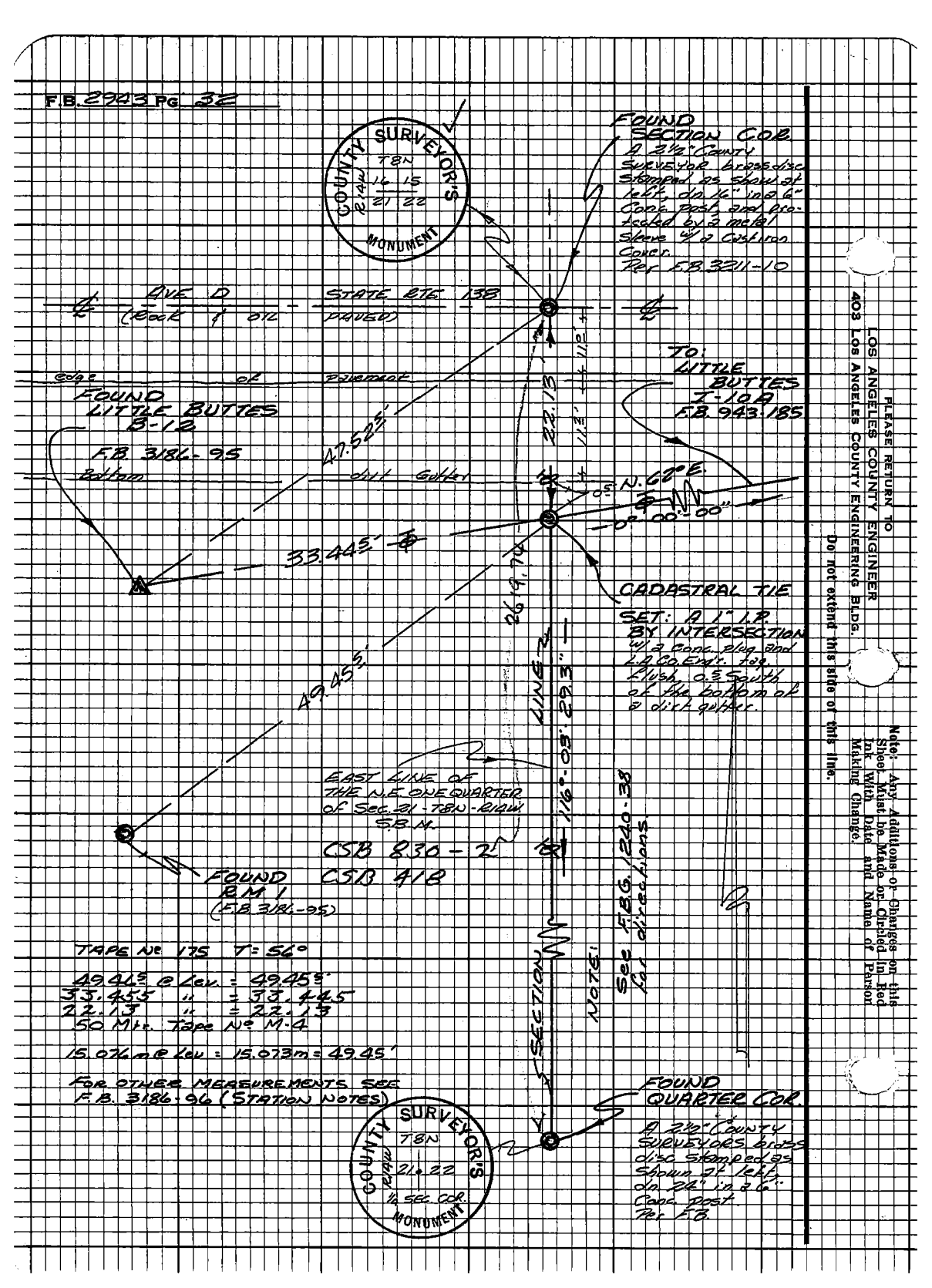
J.N. 0301.00

F.L. 5175

RANDALL
DOVER
PYLE
MARTINEZ

76F3098 (E# 310) 9-67

F.B. 2913 Pg. 32



TAPE No. 175 T = 56°

49.445 @ Lev. = 49.445'
33.445 " = 33.445
22.13 " = 22.13'
50 Mtr. Tape No. M-4

15.073m @ Lev = 15.073m = 49.45'

FOR OTHER MEASUREMENTS SEE F.B. 3186-96 (STATION NOTES)

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 10-70
Date	Indexed C. J. GALLI APR 28 '71

F. B. 2943 PG. 33

GEODETIC CONTROL

KINGS CYN TO QUAIL LAKE
NORTH WEST L.A. COUNTY

OCT - NOV - 1970

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COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

WILSON
PYLE T
BARNETT HC
FISHER HC
MARTINEZ HC
FLOREK HC

76F309S CE#310 3-69

F. B. 2403 Pg. 34

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76F309S CE#310 3-69

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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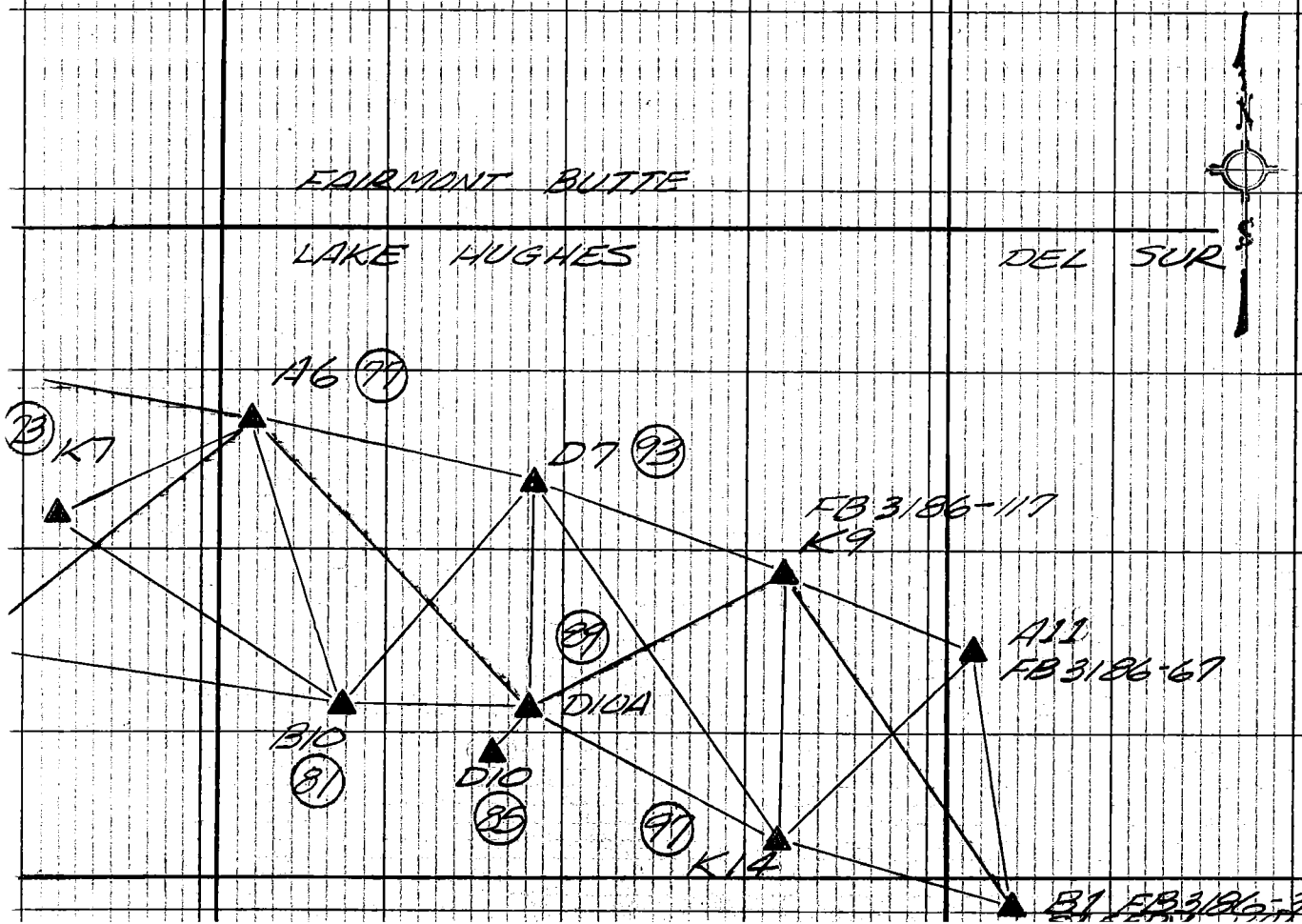

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of GEODETIC CONTROL
JN 2[illegible] Tape Std °F
Surveyed by [illegible]
Notes [illegible] Date 10-10
Indexed [illegible] GALLI APR 2 8 '71

F. B. 2943 PG. 35

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F. B. 2763 PG. 36

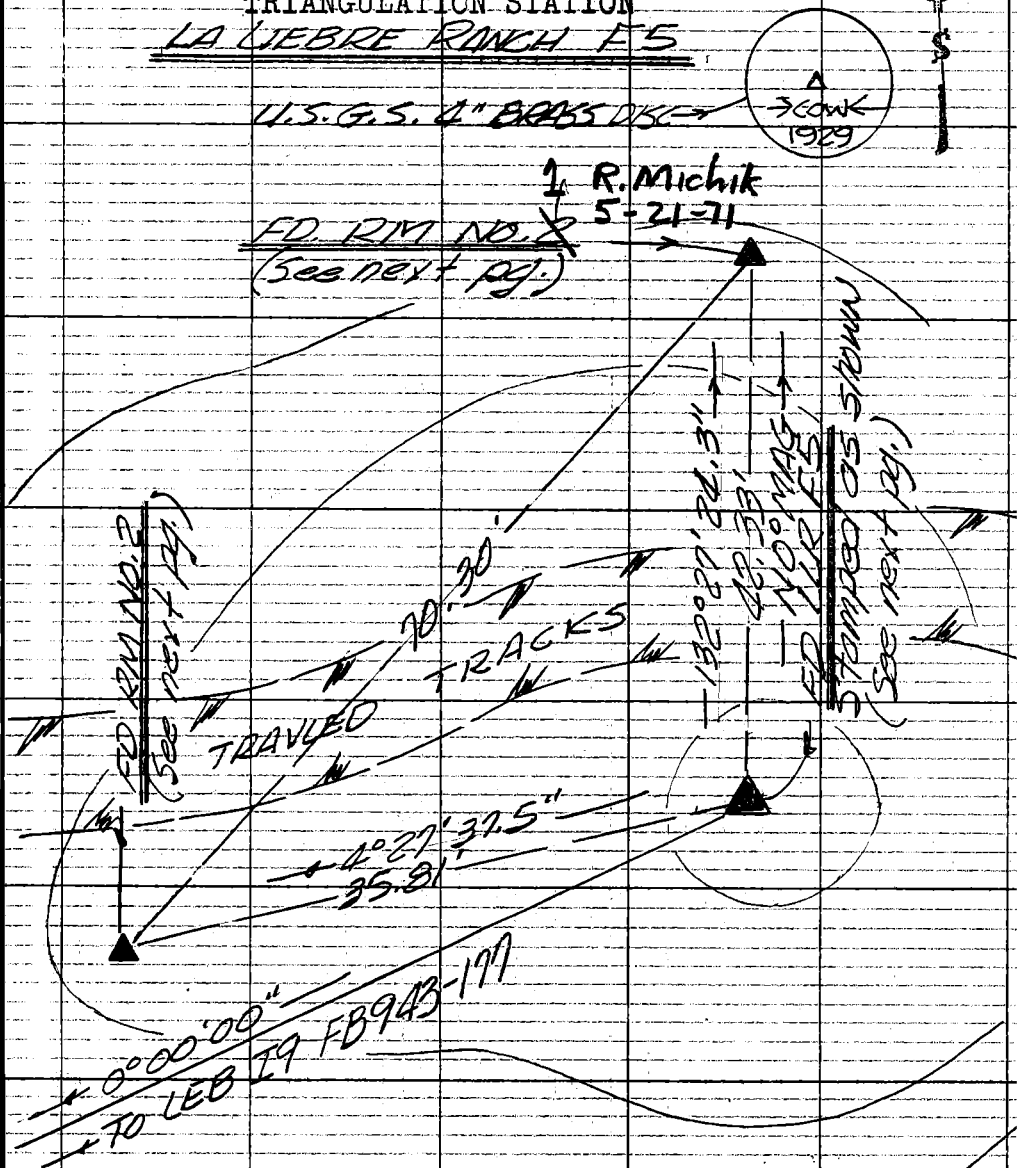
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JM 0301.00 Tape 0243 Std 68 °F
Office Work	Surveyed by RW
Checked	Notes RW Date 9-23-70
Date	Indexed G. J. GALLI APR 28 '71

F. B. 2943 PG. 37

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LA LIEBRE RANCH F5



See next pg. for meas.
DIR PER FBG 12.81-47

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76F309S CE#310 3-69

F. B. 2943 PG. 38

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LLR F5

100' # 0243 MEASUREMENTS 50 MTR M4
LEVEL @ 74°T

35.81' = 35.81' 10.915 m = 10.915 m = 35.81'
42.33' = 42.33' 12.902 m = 12.902 m = 42.33'
70.30' = 70.30' 21.427 m = 21.427 m = 70.30'

AREA THIS TRIANG. STATION IS LOCATED IN KERN CO. IN THE WEST END OF ANTELOPE VALLEY 8400' ± N. OF THE KERN - LA CO LINE, 2250' ± WEST AND 2100' ± SOUTH OF THE N.E. COR. OF SEC 29 T9N R17W, AND ON TOP OF A SMALL KNOB MARKED "COW 3455" USGS 7½' LA LIEBRE RANCH QUAD SHEET.

ROUTE From the intersection of Pacific Western Cement Plant Rd (337TH ST ± WEST) and State Hwy 138: travel n'ly on paved road (crossing CALIF AQU.) 3.95 miles to a dirt road on the right (E) 100' ± So. of cement plant entrance gate; thence n'ly on dirt road. 0.9 mile passing water tank on left (W); continue n'ly 0.3 mile to "Y" and bear right (E); continue e'ly and s'ely 0.65 mile and cross draw and steel clvt; continue e'ly 0.45 mile to "Y" and bear left (N ely); continue n ely 0.25 mile and pass ranch camp bldgs on left; continue e'ly, crossing deep draw, 0.35 mile to cross fence and wood gate; (CONT NEXT PG)

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RW
Checked	Notes RW Date 9/23/70
Date	Indexed C. J. GALLI APR 28 '71

F. B. 2943 PG. 39

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LLR F-5

ROUTE: thence s'ely 0.5 mile to "Y" and bear left (e'ly); thence up spur on traveled tracks e'ly and n'ly 0.4 mile to small saddle and traveled tracks on the right (E); thence e'ly up tracks 250' ± to top of small knob and the station on the right (S).

STATION MARK: A 4" U.S.G.S. IN COOPERATION WITH LOS ANGELES COUNTY BRASS DISC STAMPED "→COW← 1929" 6" ABOVE GRD. & SET IN 6" CONC. POST WITH CONC. TRIANGLE AROUND POST. NO RECORD OF SUB-SURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" USC&GS BRASS BENCH MARK DISC STAMPED "COW R.M. NO. 1 1938" 8" ABOVE GRD. & SET IN A 6" CONC. POST.

RM 2: A 4" USC&GS BRASS REF. MARK DISC STAMPED "COW NO 2 1938" 8" ABOVE GRD. & SET IN AN 8" CONC. POST.

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76F309S CE#310 3-69

F. B. 2943 Pg. 40

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

LLR F5

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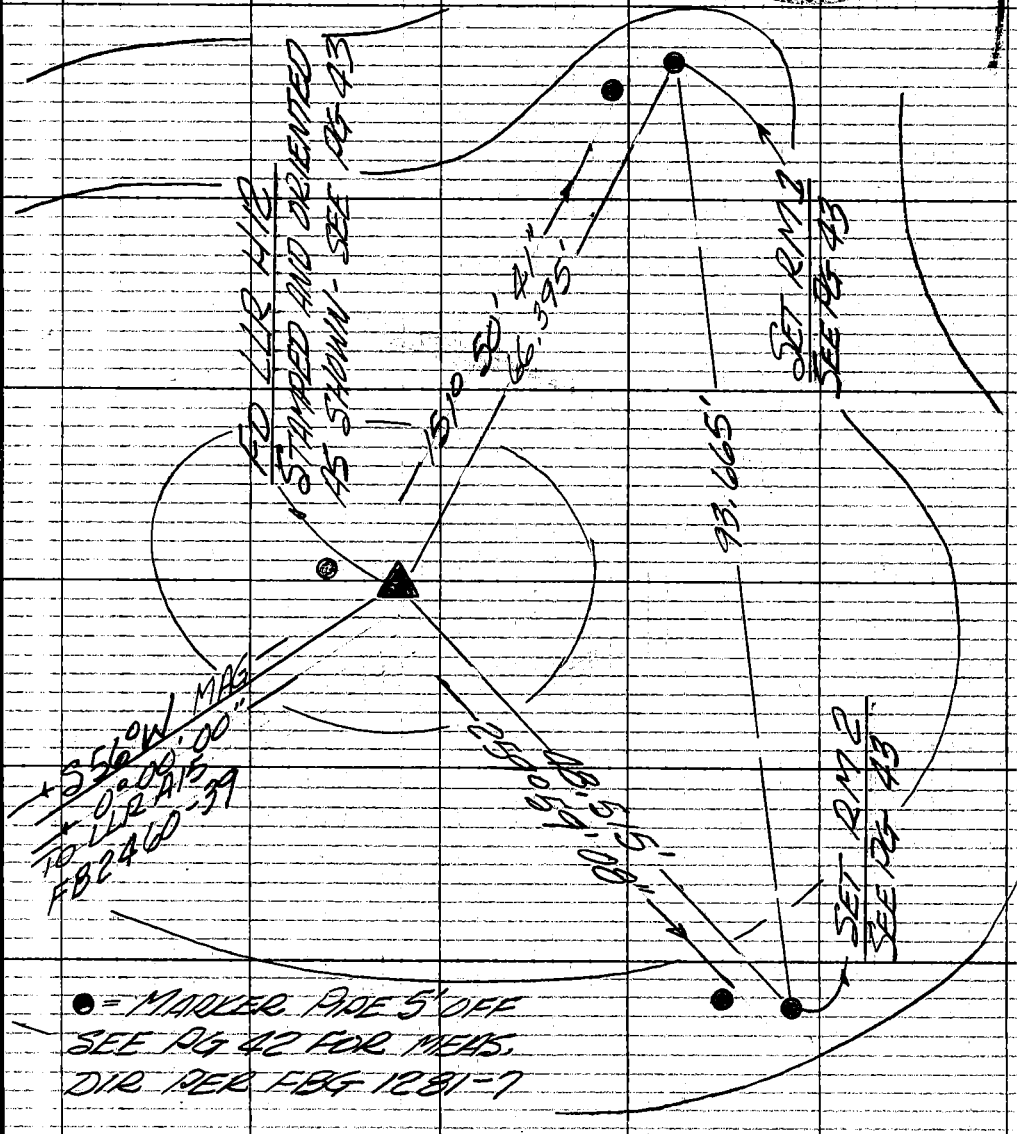
Notes Ck'd by	Survey of GEODETIC CONTROL	F.B. 2943 PG. 41
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by RCW	
Checked	Notes RCW Date 11-5-70	
Date	Indexed O. J. GALLI APR 28 '71	

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LA LIEBRE RANCH H12

U.S. GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY ELEVATION ABOVE SEA FEET 1970 LLR H12 250 DOLLARS FINE FOR DISTURBING THIS MARK



● = MARKER PIPE 5' OFF
SEE PG 42 FOR MEAS.
DIR PER FBG 1281-7

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76F309S CE#310 3-69

F. B 2943 Pg. 42

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

LA LIEBRE RANCH H 12

300' # 221 MEASUREMENTS 50 MTR M4

LEVEL @ 68° T

66.40' = 66.39' 20.242m = 20.239m = 66.40'

48.505' = 48.515' 14.788m = 14.785m = 48.51'

93.675' = 93.665' 28.552m = 28.549m = 93.665'

AREA: THIS TRIANG. STA. IS LOCATED IN THE N.W. PORTION OF L.A. CO., NEAR THE CENTER OF SEC 16, IN THE VICINITY OF LA LIEBRE RANCH, 2100' ± N & 2900' ± W OF THE S.E. COR SEC 16, T8N, R17W PER 7½' U.S.G.S. LA LIEBRE RANCH QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF OLD RIDGE ROUTE (COUNTY N2) AND HWY 138: TRAVEL EAST ON HWY 138 3.0 MILES TO WIRE GATE THRU FENCE ON N. SIDE OF ROAD: TURN LFT THRU GATE AND FOLLOW TRAVELED TRACK 0.1 MILE TO "Y" AND BEAR RT (NELY): CONTINUE 0.2 MILE TO DRAW ON LFT (W) TURN LFT (W) 0.05 MILE AND PASS THRU WIRE FENCE: CONTINUE 0.05 MILE WLY TO WET STREAM CROSSING: CROSS STREAM AND TURN SHARP RT (E) UP NORTH BANK: TURN LFT (WLY) AND FOLLOW TRACKS AROUND BASE OF SPUR UPGRADE 0.35 MILES TO TOP OF RIDGE AND A SMALL SADDLE: TURN RT (E) UP SPUR 0.1 MILE TO TOP OF KNOB AND THE STATION.

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Office Work
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Date

GEODETIC CONTROL

Survey of
JN 93100 Tape Std °F
Surveyed by RCM
Notes RCM Date 11-5-70
Indexed G. J. GALLI APR 28 '71

F. B. 2943 PG. 43

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LA LIEBRE RANCH H 12

STATION MARK: A 4" U.S.G.S. BRASS DISC STAMPED "LLR H12 1970" 3" ABOVE GRD. AND SET IN A 5"X6" CONC. POST WITH 2" DIA. CONC. PAD POURED AROUND POST. NO RECORD OF SUB-SURFACE MARK; THIS GEOLOGICAL MARK IS INDICATED STATION "QUAIL" PER 6' U.S.G.S. QUAIL LAKE QUAD SHEET, BUT NO STAMPING WAS FOUND ON THE DISC. "LLR H12 1970" WAS STAMPED ON THE DISC THIS DATE, 11-5-1970.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "LA LIEBRE RNCH H12 RM 1 1970 RE5869" 6" ABOVE GRD AND SET IN AN 8" CONC. POST, WITH CONC. POURED AROUND POST.

RM 2: SAME AS RM 1, EXCEPT STAMPED "RM 2".

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76F309s CE#310 3-69

F. B. 2943 Pg. 44

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LA LIEBRE RANCH H-12

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JN 0320.00 Tape Std °F
Surveyed by R. C. Wilson
Notes R. C. Wilson Date 6-22-70
Indexed G. J. GALLI

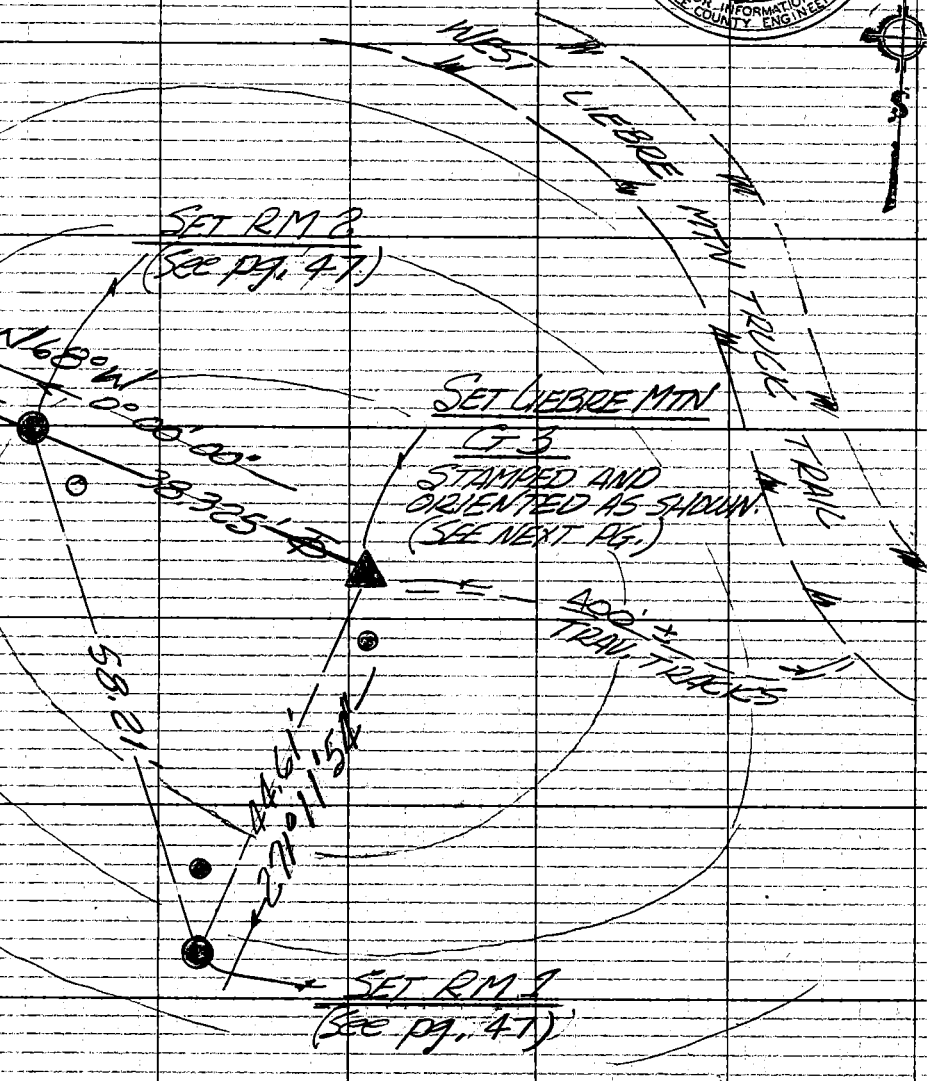
F. B. 2943 PG. 45

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LIEBRE MTN G3
1970
SET BY RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LIEBRE MTN G3



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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 46 L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LIEBRE MTN G3

300' # 139 MEASUREMENTS 50 MTR M4
LEVEL @ 60° TEMP

44.615' = 44.605' 13.602m = 13.599m = 44.615'
38.33' = 38.32' 11.685m = 11.682m = 38.33'
58.22' = 58.21' 17.746m = 17.743m = 58.21'

AREA: THIS TRIANG. STATION IS LOCATED ON WEST LIEBRE MOUNTAIN IN THE N.W. PORTION OF L.A. COUNTY 100' ± N AND 50' ± E OF THE SW COR OF SEC 33, T8N, R17W, ON A HILL MARKED "5345 Δ SANDBURG" PER USGS 7½' LIEBRE MTN QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF PINE CYN RD AND OLD RIDGE ROUTE: TRAVEL SOUTH ON RIDGE RT (PASSING "SANDBURG") 3.0 MILE TO W. LIEBRE FIRE TRUCK RD ON THE LFT (E): TRAVEL EAST AND NORTH UPGRADE ON OIL ROAD 0.6 MILE TO "Y" AND KEEP STRAIGHT: CONTINUE UPGRADE 3.0 MILE TO TRAVELED TRACKS ON RIGHT: TURN RT (W) UPGRADE TO TOP OF KNOB AND THE STATION. (600' ±)

STATION MARK: A 4" L.A.CO. SUR. CONTROL SYS. BRASS TRIANG. DISC STAMPED "LIEBRE MTN G3 1970 RE 5869" 8" ABOVE GROUND AND SET IN A 12"X12" CONC. PAD.
A SUB-SURFACE MARK WAS SET DN. 36" STAMPED THE SAME AS THE SURFACE MARK: A PORTION OF A USGS BRASS DISC WAS FOUND CEMENTED IN A LARGE ROCK AT THIS LOCATION, THIS IS BELIEVED TO BE USGS STATION "SANDBURG". THE STATION WAS REF. & REMOVED, AND LIEBRE MTN G3 WAS SET AS A REPLACEMENT

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Date

Survey of GEODETIC CONTROL
Job 0201.00 Tape Std °F
Surveyed by R. C. Wilson
Notes R. C. Wilson Date 10-22-70
Indexed G. J. GALLI APR 2 8 '71

F. B. 2943 PG. 47

LEBRE MTN G3

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

IN THE EXACT LOCATION THAT THE REMAINS OF THE USGS MARK AS I FOUND IT. RCWilson

REFERENCE MARKS;

RM 1: A 4" LA.Co. SUR. CONT. SYS. BRASS REF. MARK DSC. STAMPED "LEBRE MTN G3 RM 1 1970 RE 5869' 8" ABOVE GRD. AND SET IN 12"X12" CONC. PAD.

RM 2: SAME AS RM 1 EXCEPT STAMPED "RM 2" AND SET ON LINE TO LR A9 AS SHOWN.

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76F308S CE#310 3-69

F. B. 2943 Pg. 48

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LIEBRE MTN G3

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JN 0301.00 Tape Std °F
Surveyed by R. C. Wilson
Notes C. A. PYLE Date 10/12/70
Indexed S. J. GALLI APR-28 71

F. B 2943 Pg. 49

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LIEBRE MTN K5

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LIEBRE MTN K5
1970
SET BY RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

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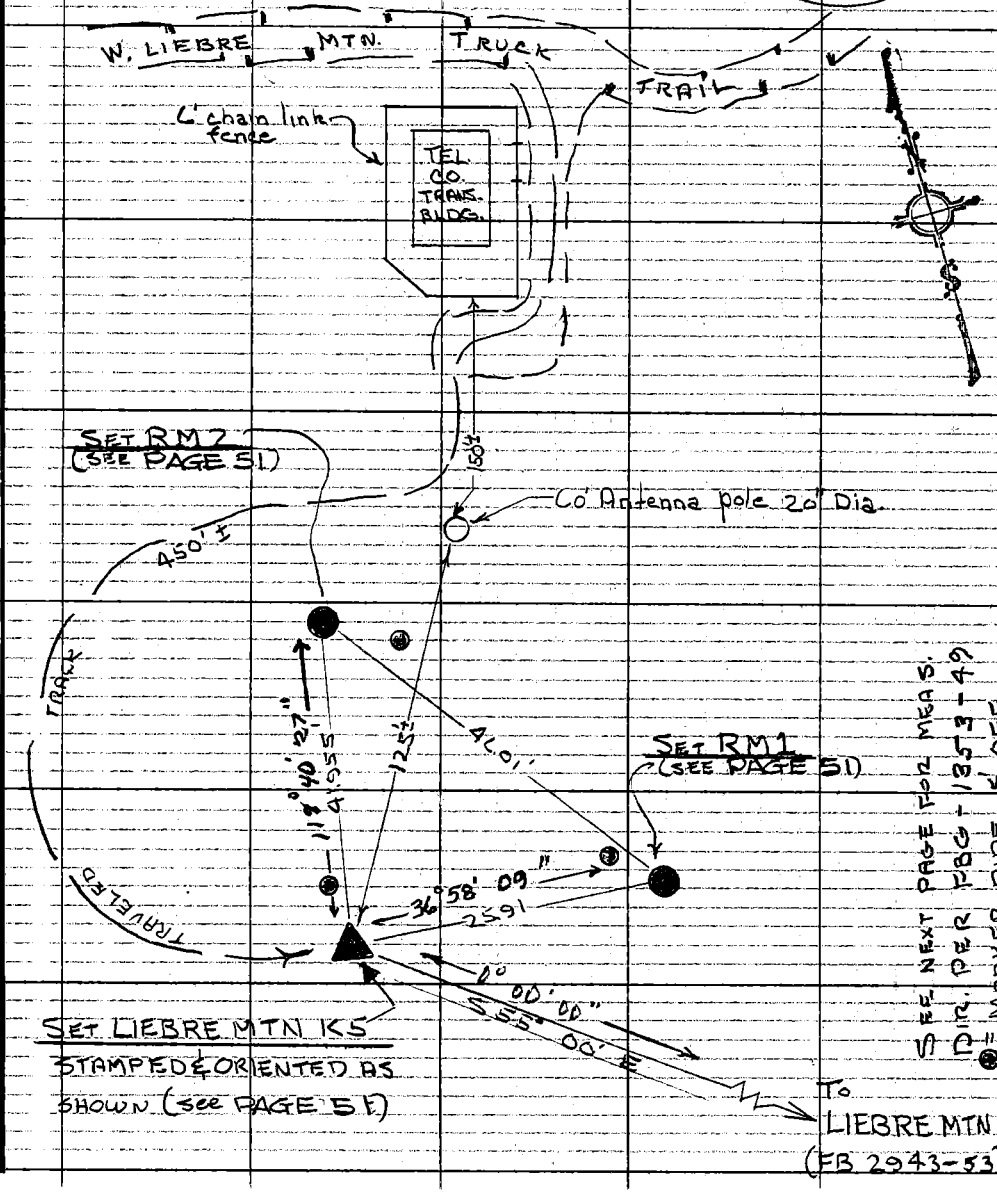

76F309S CE#310 3-69

F. B. 2943 PG. 50

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LIEBRE MTN K5

300' 139

MEASUREMENTS

50 MTR M4

LEVEL @ 60°F

25.91' =	7.897 M = 7.897 M =	25.91'
41.955' =	12.791 M = 12.788 M =	41.955'
46.03' =	14.028 M = 14.025 M =	46.01'

AREA: THIS TRAVERSE STA. IS LOCATED IN L.A. CO. IN THE VICINITY OF QUAIL LAKE. 1700'± S & 1400'± W. OF THE N.E. COR. OF SEC. 10, T7N, R17W. SEE U.S.G.S. 7½' SHEET "LIEBRE MTN CALIF." 1958

ROUTE: FROM THE INTERSECTION OF PINE CYN. RD AND OLD RIDGE ROUTE: TRAVEL SOUTH ON RIDGE ROUTE (PASSING SANDBERG) 3.0 MILES TO W LIEBRE MTN. FIRE TRUCK TRAIL ON THE LEFT (E). TRAVEL NE. UPGRADE ON OILED ROAD 0.6 MILES TO A "Y" KEEP STRAIGHT AND CONTINUE UPGRADE 3.3 MILES TO END OF OILED ROAD, AT TENTROCK CAMPGROUND. CONTINUE EAST ON A DIRT RD. 0.6 MILE AND PASS THRU AN OPEN GATE, CONTINUE EAST 1.1 MILE AND CROSS A FENCELINE, CONTINUE EAST 0.5 MILE FURTHER AND TURN RIGHT (SLY) AT THE SITE OF A RADIO TRANSMITTER BLDG. THE STA. IS 450'± SLY. AT THE END OF A TRAVELED TRACK.

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Survey of GEODETIC CONTROL F. B 2943 PG. 51
JN Tape Std °F
Surveyed by R. C. Wilson
Notes C. A. PYLE Date 10/26/70
Indexed G. L. GALEY APR 28 '71

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LIEBRE MTN KS

STATION MARK A 4" L.A.CO. SUR. CONT. SYS. BRASS TRAVERSE DISC STAMPED: "LIEBRE MTN KS 1970 RE 5869". SET IN AN 8" CONC. POST 12" ABOVE GRD. WHICH IS ENCASED IN A ROCK AND CONCRETE MOUND. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM 1 A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED: LIEBRE MT KS RM 1 1970 - RE 5869". SET 3" ABOVE GRD. IN AN 8" CONC. POST.

RM 2 IDENTICAL TO RM 1, EXCEPT STAMPED "RM 2"

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2003 Pg. 52

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LIEBRE MTN K5

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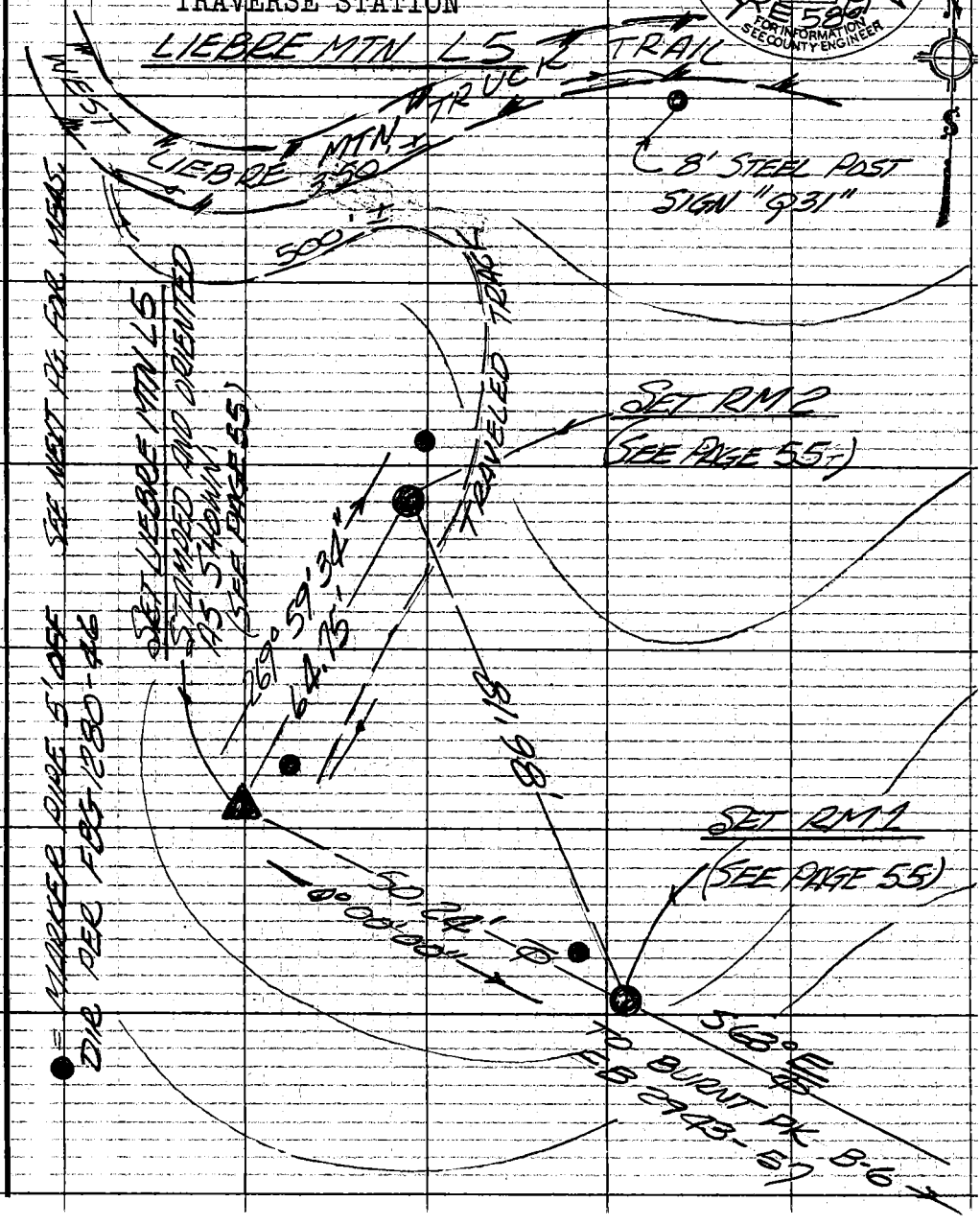
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 10-23-70
Date	Indexed S. J. GALLI APR 2 8 '71

F. B. 2943 PG. 53

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LIEBRE MTN L5
1970
SET BY
RE 589
FOR INFORMATION SEE COUNTY ENGINEER

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION



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GEODETIC CONTROL

F. B. 2923 Pg. 54 L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LIEBRE MTN L5

300' 139 MEASUREMENTS 50 MTR M4
LEVEL @ 64.0'

50.25' = 50.24' 15.318m = 15.315m = 50.245'
64.76' = 64.75' 19.739m = 19.736m = 64.75'
81.99' = 81.98' 24.992m = 24.983m = 81.98'

AREA: THIS TRAV. STA. IS LOCATED ON WEST LIEBRE MTN IN THE NW PORTION OF L.A. CO. 1400'± E & 1600'± N OF THE SW COR. SEC. 11, T7N, R17W AND 800'± SW OF ELEV "5759" PER USGS 7½' LIEBRE MTN QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF PINE CANYON AND OLD RIDGE ROUTE, TRAVEL SOUTH ON RIDGE ROUTE (PASSING "SUNDBORG") 3.0 MILE TO W. LIEBRE MTN FIRE TRUCK RD ON THE LEFT (E); TRAVEL N & E UPGRADE ON OIL RD 0.6 MILE TO "Y" AND KEEP STRAIGHT; CONTINUE UPGRADE 3.3 MILES TO END OF OIL RD. AT TENTROCK CAMP GRD; CONTINUE EAST ON DIRT RD 0.6 MILE AND PASS THRU OPEN GATE; CONTINUE EAST 1.1 MILE AND CROSS FENCE LINE; CONTINUE EAST 0.5 MILE AND PASS RADIO BLDG. ON RT (S); CONTINUE EAST 0.7 MILE TO CURVE TO LFT IN RD; FOLLOW TRAV. TRK EAST, THEN SOUTH, 500'± OUT SPUR (SLY) TO THE STATION.

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Notes Ck'd by	Survey of GEODETIC CONTROL F. B. 2983 PG. 55
Map No.	JN Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 10-23-70
Date	Indexed G. J. GACH APR 2-8 '71

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76F309 CE#310 3-69

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LIEBRE MTN L5

STATION MARK: A 4" L.A.CO. SUR. CONT. SYS. BRASS TRAVERSE DISC STAMPED "LIEBRE MTN L5 1970 RE 5869" 3" ABOVE GRD. AND SET IN A 8" CONC. POST. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS:

RM 1: A 1" L.A.CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "LIEBRE MTN L5 1970 RM 1 RE 5869" ON LINE TO BURNT PEAK 86, 4" ABOVE GRD, AND SET IN AN 8" CONC. POST.

RM 2: SAME AS RM 1, EXCEPT STAMPED "RM 2" NOT ON LINE TO ANY STATION, AND 2" ABOVE GRD.

F. B. 2943 Pg. 56

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

DEBRE MTN 2 5

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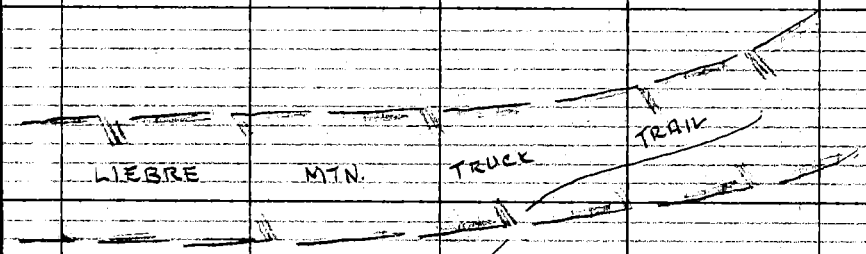
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C.A. PYLE Date 10/28/70
Date	Indexed O. J. GALLI APR 28 71

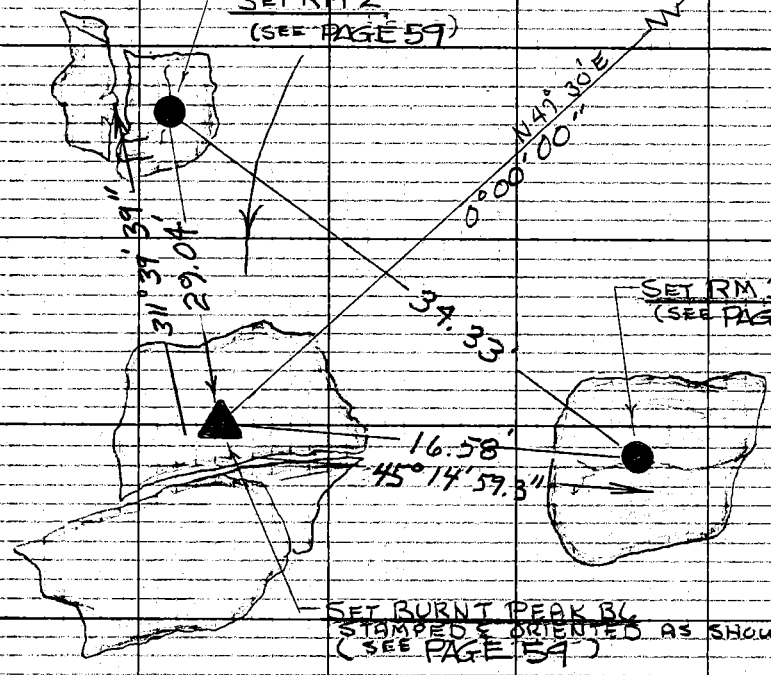
F. B. 2943 PG. 57

COUNTY ENGINEER
BURNT PEAK B6
1970
R. E. 5869

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BURNT PEAK B6





SEE FBG 1350-6 FOR DIRECTIONS

SEE NEXT PAGE FOR MEAS.

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78F309s CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 58

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BURNT PEAK BG

300' 135'	MEASUREMENTS	50 METER M4
	LEVEL @ 89°	
16.58' = 16.58'	5.055M = 5.055M = 16.58'	
29.04' = 29.04'	8.851M = 8.851M = 29.04'	
34.38' = 34.33'	10.965M = 10.465M = 34.33'	

AREA: THIS TRAVERSE STA. IS LOCATED IN L.A.CO. IN THE VICINITY OF THREE POINTS. IT IS ON LIEBRE MTN. ATOP HILL 5701, WITHIN THE ANGELES NATIONAL FOREST. 5000'± S. & 2100'± W OF THE S.W. COR. OF SEC. 5, T7N, R16W WHICH IS AN ~~A~~PT. IN THE NATIONAL FOREST BDRY. SEE U.S.G.S. 7½' SHEET "BURNT PEAK CALIF" QUAD. 1958

ROUTE: FROM THE INTER. OF THREE PTS. RD & PINE CYN RD. TRAVEL S.ELY. ON ELIZABETH LAKE RD. 1.0 MILE TO A FIRE TRUCK TRAIL & GATE (L LOCK) ON THE RT. FOLLOW UPGRADE S.WLY. 0.7 MILE TO A "Y", KEEP STRAIGHT (SLY.) 2.0 MILES TO A SECOND GATE (L LOCK) AT FOREST BDRY. PROCEED 0.9 MILE FURTHER TO AN INTER. WITH LIEBRE MTN. TRUCK TRAIL. TURN RT. (WLY) AND CONTINUE 0.7 MILE TO A LARGE OUTCROPPING OF GRANITE BOULDERS SOUTH OF THE TRUCK TRAIL. THE STATION IS AMOUNG THESE, 25'± FROM THE S. EDGE OF THE ROAD.

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2993	PG. 59
Map No.	JN 230100 Tape Std °F		
Office Work	Surveyed by R. C. Wilson		
Checked	Notes C. A. PYLE Date 10/28/70		
Date	Indexed G. J. GALLI APR 2-8 71		

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BURNT PEAK BC

STATION MARK: A 2½" CO. ENGR. BRASS DISC. STAMPED: "BURNT PEAK BC 1970 RE 5869" CEMENTED FLUSH IN A LARGE GRANITE OUTCROPPING. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM 1 A 2½" CO. ENGR BRASS DISC STAMPED: "BURNT PEAK BC 1970 RM1 RE 5869" CEMENTED FLUSH IN A LARGE GRANITE BOULDER.

RM 2 IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2"

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 60

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BURNT PEAK B-6

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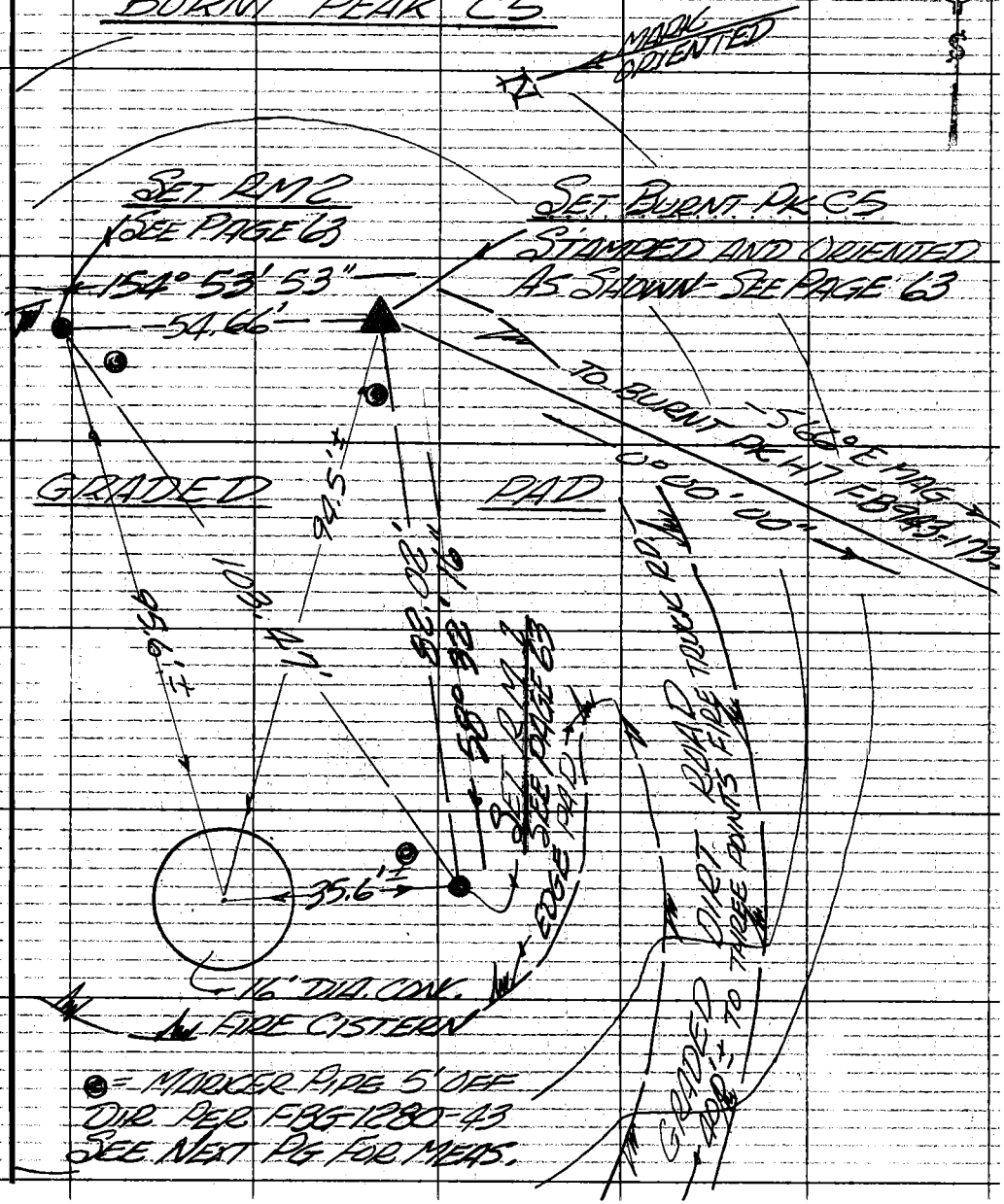
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	Jb 0000 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 12-19-70
Date	Indexed G. J. GALLI APR 28 '71

F. B. 2943 Pg. 61

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK C5
1970
SET BY RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK C5



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76F309S CE#310 3-69

F. B. 2943 PG. 62

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PK CS

200' # 139	MEASUREMENTS	50 MTR M/A
	LEVEL @ 54°T	
54.67' = 54.66'	16.665M = 16.662M =	54.66'
82.035' = 82.015'	25.008M = 25.002M =	82.025'
103.48' = 103.46'	31.549M = 31.543M =	103.48'

AREA: THIS TRIANG. STA. IS LOCATED IN THE N.W. PORTION OF L.A. CO. IN THE VICINITY OF THREE POINTS, ON THE NLY. SLOPE OF LIEBRE MTN IN THE PRATT CYN AREA, 2700'± S & 300'± E. OF THE S'W COR OF SEC 5, T7N, R16W IN THE ANGELES NATIONAL FOREST ON A HILL MARKED "5301" PER USGS 7½' BURNT PEAK QUAD SHEET.

ROUTE:
FROM THE INTERSECTION OF PINE CYN RD & THREE POINTS ROAD: TRAVEL 3 ELY ON ELIZABETH LAKE RD 1.0 MILE TO A FIRE TRUCK TRAIL AND GATE ("L" LOCK) ON THE RT (S WLY): FOLLOW UPGRADE S WLY 0.7 MILES TO A "Y": KEEP STRAIGHT SLY UPGRADE 2.0 MILE TO SECOND GATE AT FORRESTRY BDY ("L" KEY): CONTINUE UPGRADE 0.9 MILES TO A RD TO THE LFT (E) 200'± S. OF THE JUNCTION OF LIEBRE MTN TRUCK TRAIL: TURN LFT (E) AND NORTH 400' TO TOP OF GRADED PAD AND THE STA. AT THE NORTH EDGE OF THE PAD. A CONC. FIRE CISTERN IS 95'± SE. OF THE STA.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 10/19/70
Date	Indexed D. J. GALLI APR 28 '71

F. B. 2943 PG. 63

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BURNT PEAK C5

STATION MARK: A 4" LA CO. SUR. CONT. SYS. BRASS TRIANG. DISC STAMPED "BURNT PEAK C5 1970 RE 5869" 6" ABOVE GRD. AND SET IN A 12"X12" CONC. PAD. NO SUB-SURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" LA CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "BURNT PEAK C5 RM 1 1970 RE 5869" 6" ABOVE GRD. AND SET IN 12"X12" CONC. PAD.

RM 2: SAME AS RM 1, EXCEPT STAMPED "RM 2".

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76F309S CE#310 3-69

F. B. 2743 PG. 64

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BURNT PEAK C-5

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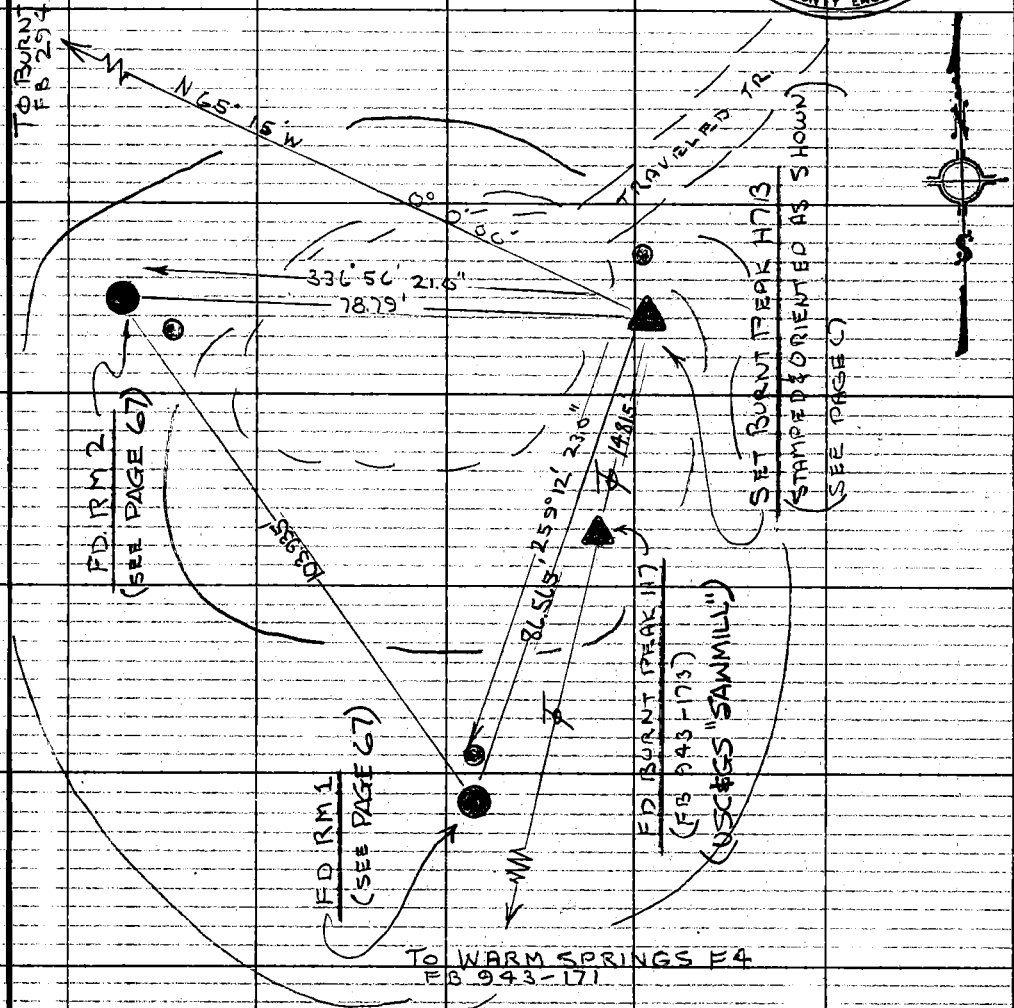
Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 11/9/70
Date	Indexed E. J. GALLI APR 28 71

F. B. 2943 PG. 65

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK HTB

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK
HTB
1970
SET BY
RE 5869
FOR INFORMATION SEE COUNTY ENGINEER



DIRS - FBG 1281-12

SEE NEXT PAGE FOR MEASUREMENTS

● DENOTES MARKER PIPE 5' OFF

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 66

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK HTB

300' # 204 — MEASUREMENTS — 50 MTR # M3

LEVEL @ 68°T

14.815' = 14.815'	4.516 M = 4.513 M = 14.816'
78.80' = 78.79'	24.017 M = 24.014 M = 78.786'
86.57' = 86.56'	26.383 M = 26.380 M = 86.569'
103.94 = 103.93'	31.684 M = 31.681 M = 103.94'

AREA: THIS TRIANGULATION STA. IS LOCATED IN LOS-ANGELES COUNTY ON SAWMILL MTN. IT IS APPROX. 1¼ MILES SOUTH OF PINE CYN. RD. & 6½ MILES WEST OF LAKE HUGHES. 1050'± N. & 2100'± W OF THE S.W. COR. OF SEC 14, T7N, R16W. SEE U.S.G.S. 7½' SHEET "BURNT PEAK, CALIF." QUAD. 1958. STA. LOCATED WITHIN ANGELES NAT'L FOREST.

ROUTE: FROM ITS INTER. WITH ELIZABETH LAKE CYN. RD. TRAVEL WLY ON PINE CYN. RD. 4.4 MILES TO SAWMILL MTN. TRUCK TRAIL AT THE CREST OF A SMALL HILL. TURN LEFT (WLY.) UP THE TRUCK TRAIL 1.8 MILES TO A FORK (SIGN ON RT. "SAWMILL CAMP 3 MILES" ETC.) FOLLOW RT. FORK 1.1 MILES TO SUMMIT AND "BURNT PEAK JUNCTION." TURN RT. (NLY.) TOWARD SAWMILL CAMPGROUND, UPGRADE 0.4 MILE TO TRAVELED TRACK TO THE LEFT, FOLLOW THIS WLY. 0.1 MILE ASCENDING TO THE SUMMIT AND THE STATION.

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1 description written

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Map No.
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Date

Survey of GEODETIC CONTROL
JN 03010 Tape Std °F
Surveyed by R. C. Wilson
Notes C. A. PYLE Date 11/9/70
Indexed C. J. GALLO APR 28 71

F. B. 2943 PG. 67

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK H78

STATION MARK

A 4" L.A.CO. SUR. CONT. SYS. BRASS TRIANGULATION STATION DISC STAMPED "BURNT PEAK H78 1970 RE5869" SET IN A 6" CONC. POST WITH AN 18" IN DIA. CONC. COLLAR SET FLUSH. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS:

RM 1: A 4" USC.&G.S BRASS REFERENCE MARK DISC STAMPED: "SAWMILL NO.1 1932" SET IN A 12" X 12" CONC. POST SET FLUSH WITH GRD. THESE RMS ARE TO USC&GS "SAWMILL".

RM 2: IDENTICAL TO NO.1 EXCEPT STAMPED "NO.2"

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GEODETIC CONTROL

F. B. 2943 Pg. 68 L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BURNT PEAK 1478

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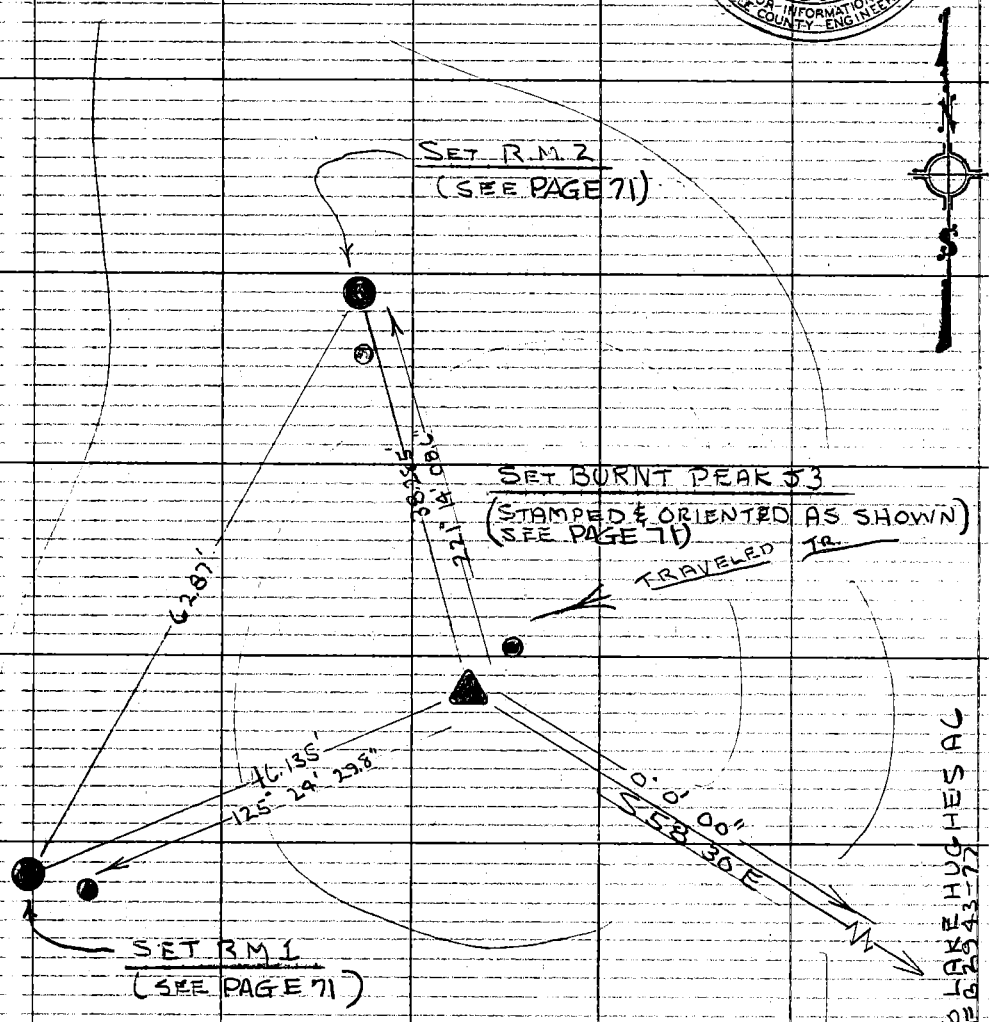
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C.A. PYLE Date 11/5/70
Date	Indexed G. J. GALLI APR 28 71

F. B. 2943 PG. 69

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK J3
1970
SET BY
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BURNT PEAK J3



DIR'S - FBG 1281-5

SEE NEXT PAGE FOR MEASUREMENTS

● - DENOTES MARKER PIPE 5' OFF

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GEODETIC CONTROL

F. B. 2943 PG. 70

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK J3

SSD # 139

MEASUREMENTS 50 MTR. # M4

LEVEL @ 62°

40.14 = 40.13	14.000 M = 14.043 M @ 0°0' = 40.138'
38.29 = 38.28	11.673 M = 11.670 M @ 90' = 38.285'
62.88' = 62.87'	19.167 M = 19.174 M @ 0°0' = 62.874'

AREA: THIS TRI. STA. IS IN N.W. L.A. CO. IN THE VICINITY OF TWEEDY LAKE, 3.1 MILES± N & 4.0 MILES± W. OF THE PINE CYN. RANGER STA. IT IS ON HILL 4179, 1250'± S & 2250'± E OF THE N.W. COR. OF SEC. 2, T7N, R16W. SEE U.S.G.S. 7½' SHEET "BURNT PEAK CALIF" QUAD 1953

ROUTE: FROM ITS JUNCTION WITH ELIZABETH LAKE RD. TRAVEL NLY. ON KINGS CYN FIRE TRUCK TRAIL (7N33) 0.4 MILE TO A FIRE GATE (LLOCK) THENCE 0.1 MILE FURTHER KEEP RT (NLY) AT "Y", CONTINUE 0.2 MILE AND TURN LT. (WLY.) ONTO SORBER MOTORWAY. CROSS A STREAMBED AND ASCEND 0.2 MILE TO "T" INTER. AT THE TOP OF A SPUR, TURN LT. (SWLY) PROCEED 0.3 MILE TO A "Y". TURN RT. (NLY) AND CROSS AN EARTHEN DAM, TURN LT. (WLY) 100'± TO A MERGING WITH ANOTHER TRUCK TRAIL, SHARP RT (NLY) TURN AND CONTINUE UPGRADE 0.8 MILE TO A SADDLE AT THE CREST OF A RIDGE. MAKE A SHARP LT. (W) & KEEP STRAIGHT (WLY) AS THE TRUCK TRAIL BEARS SLY. AND FOLLOW THE TRAVELED TRACKS 0.1 MILE ALONG THE TOP OF A NARROW RIDGE TO THE STATION.

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Map No.	JN	Tape Std	°F
Office Work	Surveyed by R. C. Wilson		
Checked	Notes	Date	
Date	Indexed C. J. GALEB	APR 2-8 71	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BURNT PEAK J3

STATION MARK: A 4" L.A. CO. SUR. CONT. SYS. BRASS TRIANGULATION STATION DISC. STAMPED "BURNT PEAK J3 1970 RE 5869" SET IN A 12" X 12" CONC. POST, 6" ABOVE GRD. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REFERENCE MARK DISC STAMPED "BURNT PEAK J3 RM 1 1970 RE 5869" SET IN A 12" X 12" CONC. POST, 6" ABOVE GRD.

RM 2: IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2"

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GEODETIC CONTROL

F. B. 2943 Pg. 32

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BURNT PEAK 53

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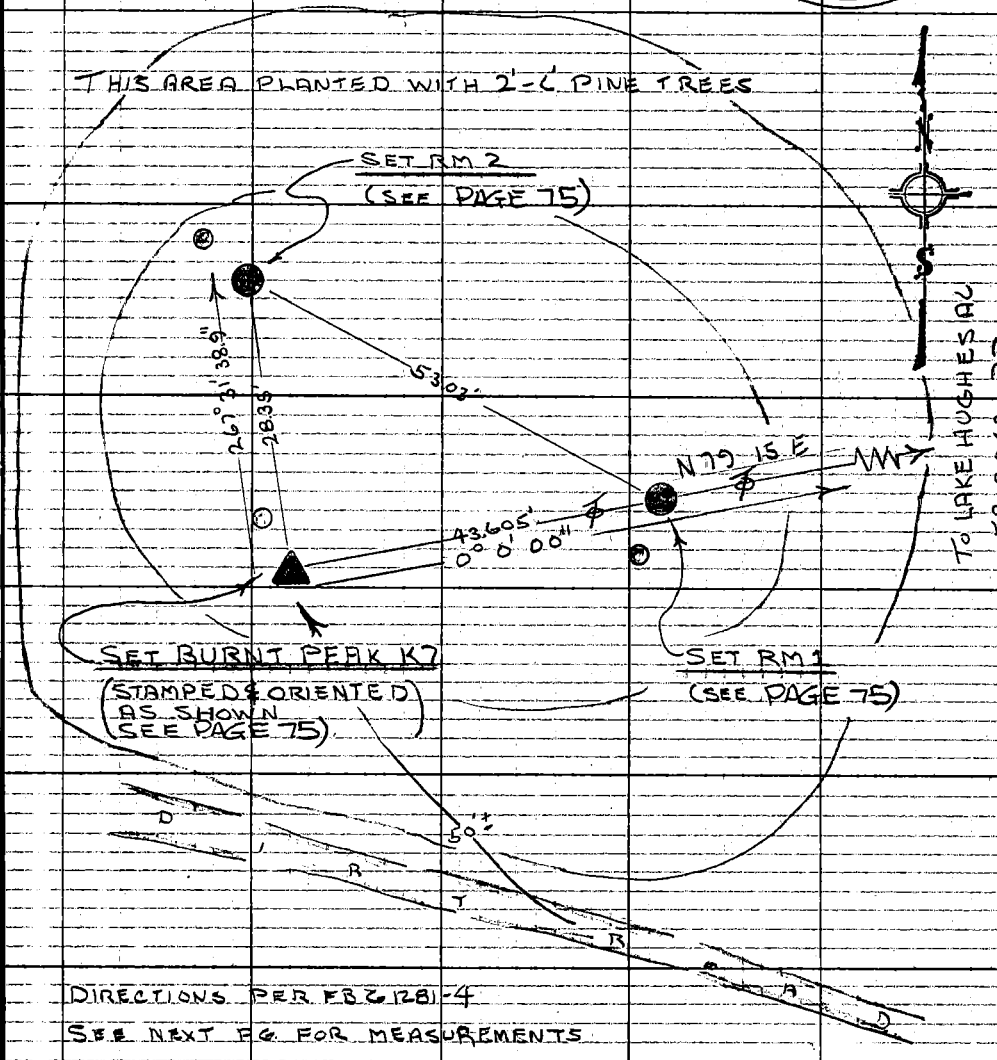
Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2943	Pg. 73
Map No.	JN0301-00 Tape	Std	°F
Office Work	Surveyed by R. C. Wilson		
Checked	Notes C. A. PYLE Date 11/4/70		
Date	Indexed E. J. GALLI APR 2 8 '71		

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK K7

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK K7
1970
SET BY
R E 5869
FOR INFORMATION SEE COUNTY ENGINEER



DIRECTIONS PER FB 2 128)-4

SEE NEXT PG FOR MEASUREMENTS

● DENOTES MARKER PIPE 5' OFF

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GEODETIC CONTROL

F. B. 2943 Pg. 74

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK K7

300' # 139 MEASUREMENTS 50 MTR # M4

LEVEL @ T-58°

43.615 = 43.605	13.293 M = 13.290 M = 43.602'
28.35' = 28.35'	8.642M = 8.642M = 28.35'
53.04' = 53.03'	16.168M = 16.165M = 53.03'

AREA: THIS TRI. STA. IS LOCATED IN N.W. L.A. CO. ON THE N. SLOPE OF SAWMILL MTN., 3500'± S.W. OF BUSHNELL SUMMIT ON ELIZABETH LAKE RD. 4.0 MILES ± W. OF LAKE HUGHES STORE ON HILL 4859. SEE USGS 7½' SHEET "BURNT PEAK CALIF." QUAD. 1958 IT IS 2000'± S & 75'± W OF THE N.E COR SEC. 14, T7N, R16W.

ROUTE: FROM ITS INTER. WITH LAKE HUGHES RD. TRAVEL WLY. ON ELIZABETH LAKE RD. 4.0 MILES TO BUSHNELL SUMMIT. TURN LEFT (SLY) ONTO SAWMILL MTN TRUCK TRAIL AND ASCEND 1.9 MILES TO A JUNCTION WITH UPPER SHAKE CAMPGROUND TRAIL AND A FIRE GATE ON THE NORTH (L LOCK) PASS THROUGH, UPGRADE 0.5 MILE TO THE EAST END OF A TREE FARM CONTINUE 0.2 MILE WEST TO A HIGH POINT AND THE STATION, 50'± NORTH OF THE TRAIL.
(FOREST SERVICE TREE FARM)

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Date

Survey of GEODETIC CONTROL
JN 0301.00 Tape Std °F
Surveyed by R. C. Wilson
Notes C.A. DYLE Date 1/4/70
Indexed E. J. GALLI

F. B 2943 Pg. 75

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BURNT PEAK K7

STATION MARK: A 4" L.A. CO. SUR. CONT. SYS. BRASS TRIANGULATION STATION DISC STAMPED "BURNT PEAK K7 1970 RE 5869", SET IN A 12" X 12" CONC. POST 6" ABOVE GRD. NO SUB-SURFACE MARK WAS SET

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REFERENCE MARK DISC STAMPED: "BURNT PEAK K7 RM 1 1970 RE 5869" SET IN A 12" X 12" CONC. PAD 6" ABOVE GRADE. SET ON LINE TO LAKE HUGHES A6

RM 2: IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2" NOT SET ON LINE TO ANOTHER STA.

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B 2943 Pg 96

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BURNT PEAK K)

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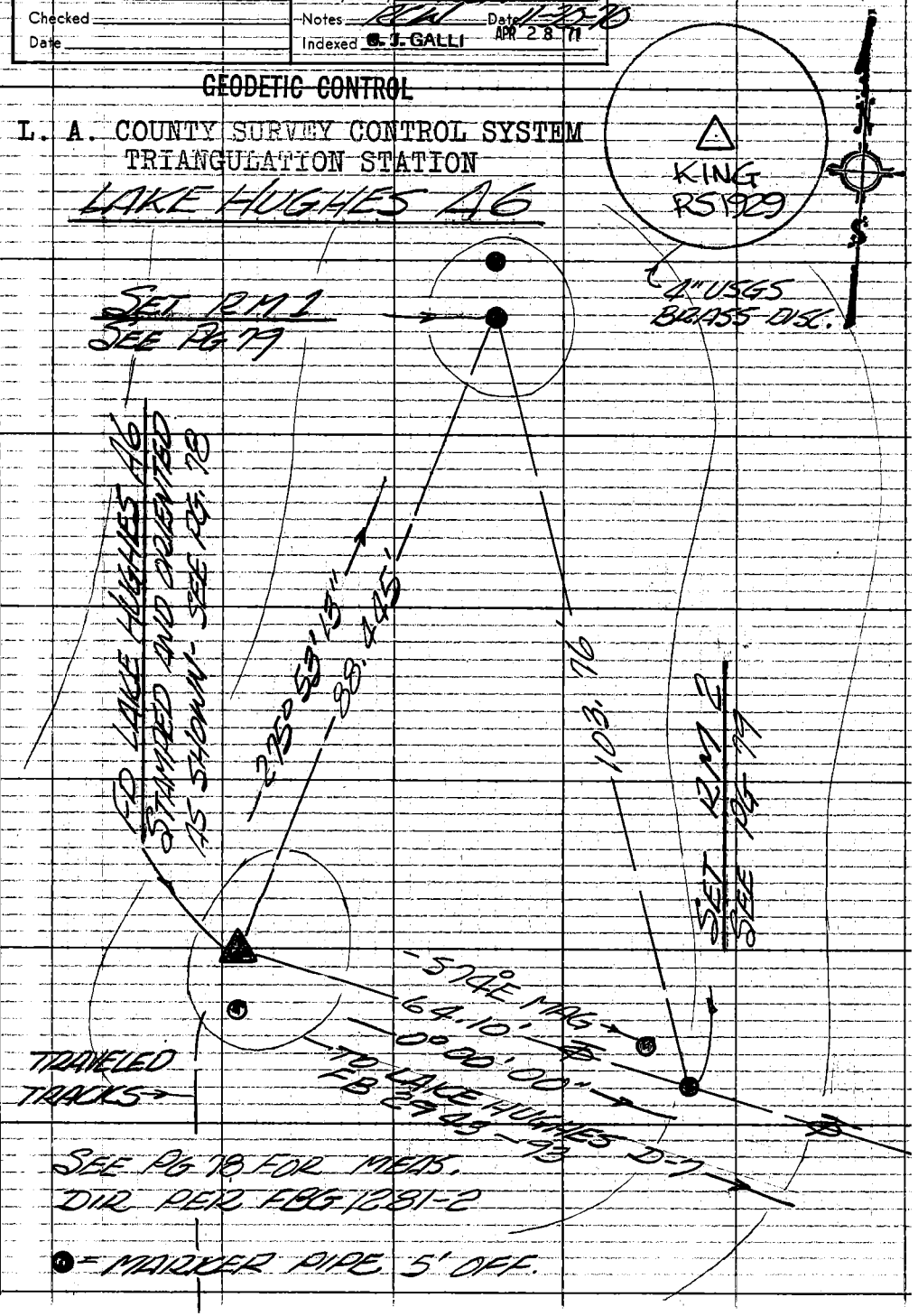
Map No.	JN 301.01 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 11-30-70
Date	Indexed G. J. GALLI APR 28 71

F. B. 2943 PG. 77

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES A6



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76F309S CE#310 3-69

F. B. 2943 PG. 78

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

LAKE HUGHES A6

320' #139 MEASUREMENTS 50 MTR M4

LEVEL AT 60°T

88.455' = 88.445' 26.962m = 26.959m = 88.45'

64.11' = 64.10' 19.541m = 19.538m = 64.10'

103.78' = 103.76' 31.634m = 31.628m = 103.765'

AREA: THIS TRIANG. STA. IS LOCATED IN THE N.W. PORTION OF L.A.CO. IN THE VICINITY OF PINE CYN RANGER STATION, ATOP HILL 4432 ON PORTAL RIDGE 300'± N. & 250'± E. OF THE S.W. COR. OF SEC 8, T7N, R15W. THIS SEC. COR. ON THE N. BDRY OF ANGELES NAT'L FOREST PER 7½' USGS LAKE HUGHES QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF LAKE HUGHES RD & ELIZABETH LK RD: TRAVEL WLY ON ELIZABETH LK RD. 2.9 MILE TO BLAISDELL TRUCK TRAIL ON THE RT (N) CROSS STREAM BED 0.1 MILE TO LOCKED CABLE (L-LOCK): CONTINUE UPGRADE 1.0 MILE TO JUNCTION OF JUDAH T. TRAIL & BUSHNELL T. TRAIL - TURN LFT (W) ON BUSHNELL 0.1 MILE TO T.T. ON RT (N) FOLLOW T.T. 0.1 MILE TO STATION.

STATION MARK: A 4" USGS IN COOPERATION WITH LOS ANGELES COUNTY BRASS DISC STAMPED "KING RS 1929" FLUSH AND SET IN 5"x6" CONC. POST WITH 4' DIA. CONC. PAD AROUND POST. NO REC OF SUB-SURFACE MON. SET.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 03N00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 10-30-70
Date	Indexed G. J. GALLI APR 2-8-71

F. B. 2943 PG. 79

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES A6

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "LAKE HUGHES A6 RM 1 1970 RE 5869" 0.3' ABOVE GRD. AND SET IN AN 8" CONC. POST.

RM 2: SAME AS RM 1 EXCEPT STAMPED "RM 2" AND SET ON LINE TO LK. HUGHES D-7.

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76F309S CE#310 3-69

F. B. 2993 PG. 80

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES A6

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 11-16-70
Date	Indexed G. J. GALLI APR 2 8 71

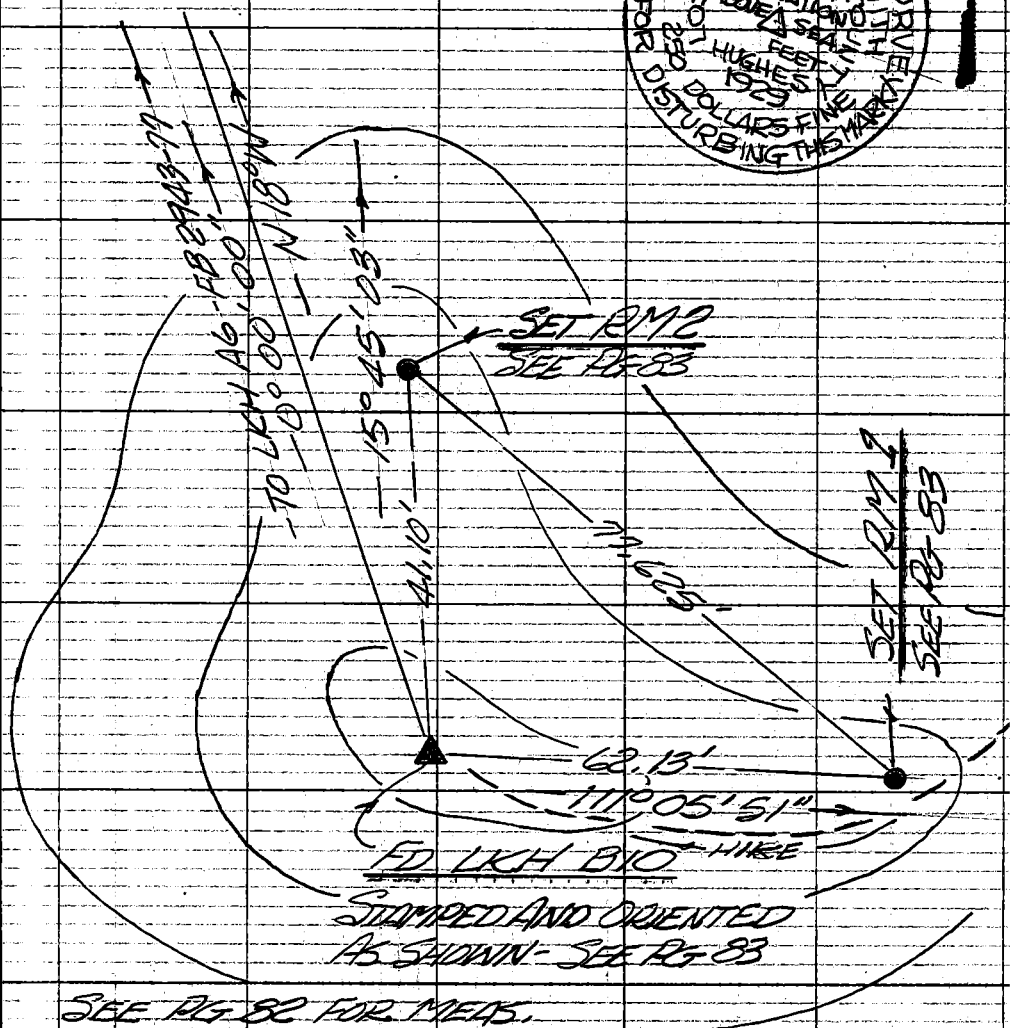
F. B. 2943 PG. 81

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES B10

GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY ELEVATION 7.8 FEET ABOVE SEA HUGHES 1929 250 DOLLARS FINE FOR DISTURBING THIS MARK



SEE PG 82 FOR MEAS.
DIR'S PER FBG 1281-16

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76F309S CE#310 3-69

F. B. 2943 Pg. 82

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES BIO

300' #221 MEASUREMENTS 50 MTR M4
LEVEL & 70°T

62.14' = 62.13' 18.940m = 18.931m = 62.13'
41.10' = 41.10' 12.528m = 12.528m = 41.10'
77.63' = 77.62' 23.664m = 23.664m = 77.63'

AREA: THIS TRIANG. STA. IS LOCATED IN THE N.W. PORTION OF L.A. CO. 2 MILES ± WEST AND ½ MILE ± SO. OF LAKE HUGHES STORE ON THE ELY RIDGE OF SAWMILL MTN, 1500' ± W AND 500' ± SO. OF THE N.E. COR. OF SEC. 29, T7N, R15W, MARKED "VABM 4638 Δ HUGHES" PER 7½' U.S.G.S. LAKE HUGHES QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF ELIZABETH LAKE RD AND LAKE HUGHES RD: TRAVEL SO. ON LAKE HUGHES RD 0.3 MILES TO DIRT RD ON THE RT (W) 50' ± N. OF FRAME HOUSE: TURN RT (W) ON MAXWELL TRUCK TRAIL AND FOLLOW WLY, THEN SLY, UPGRADE 0.6 MILE TO CABLE GATE (L KEY) CONTINUE UPGRADE SLY, THEN WLY, 1.1 MILES TO T.V. ANTENNAS ON THE RT (NLY): CONTINUE WLY UPGRADE 1.1 MILE TO SMALL CREST IN RD AND LARGE TURN OUT: PARK VEHICLE AND HIKE UP SPUR TO SOUTH 300' ±: HIKE ELY UP FIRE BREAK 100' ±: THEN SLY UPGRADE 600' ± TO HIGH POINT AND THE STATION.

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 11-16-70
Date	Indexed C. J. GALLI APR 28 '71

F. B. 2943 PG. 83

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES B10

STATION MARK: A 4" U.S.G.S. BRASS TRIANG. DISC STAMPED "HUGHES 1929 L.B.L." FLUSH WITH GROUND AND SET ON A 4" SOIL PIPE. NO RECORD OF SUB-SURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF MARK DISC STAMPED "LAKE HUGHES B10 RM 1 1970 RE 5869" FLUSH WITH GRD., ~~[illegible]~~ WITH MARK RIVITED TO 2" IRON PIPE.

RM 2: SAME AS RM 1, EXCEPT STAMPED "RM 2".

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

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76F309S CE#310 3-69

F. B. 2443 Pg. 84

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES B10

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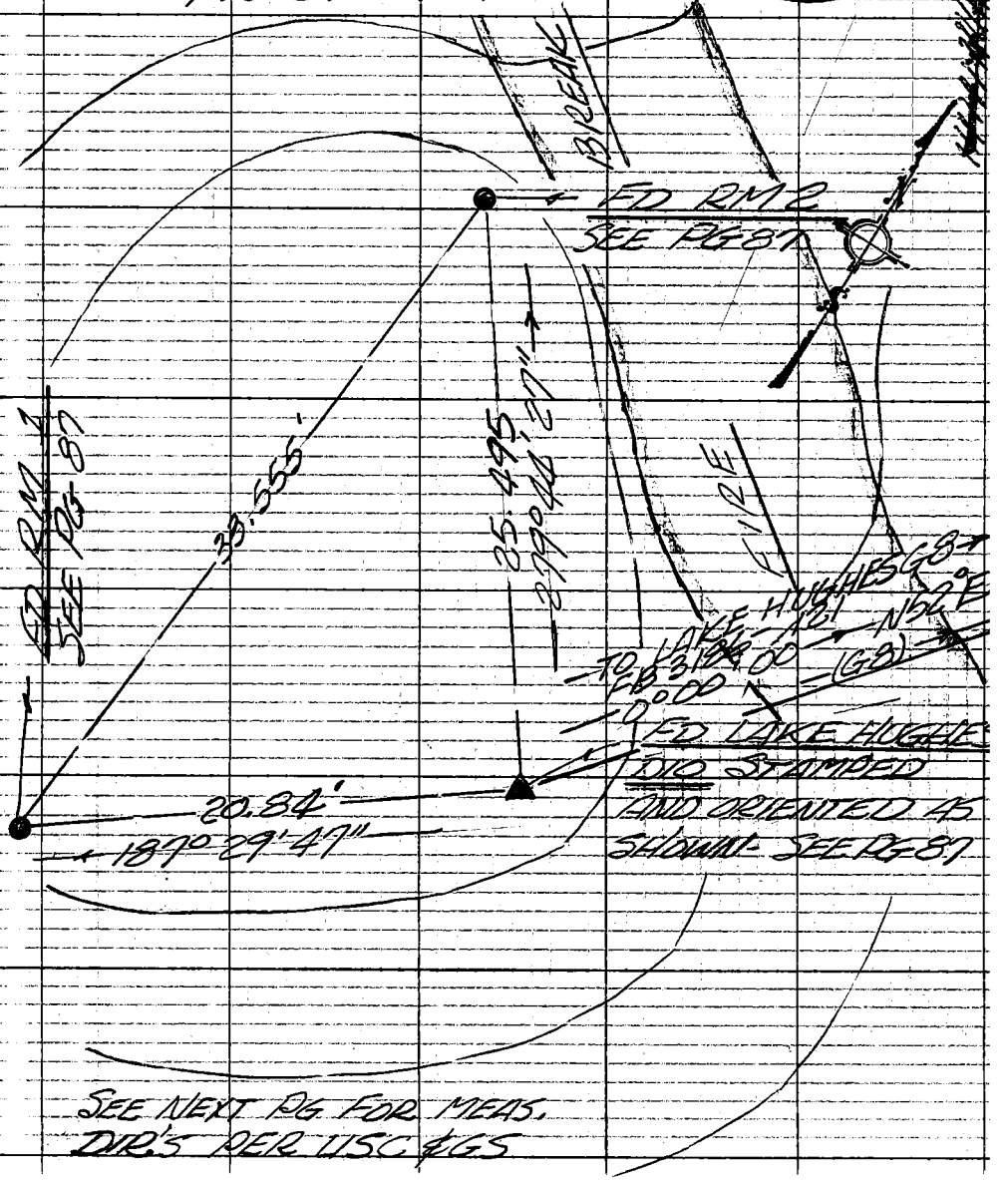
Office Work	Surveyed by RCW
Checked	Notes RCW Date 10-29-70
Date	Indexed [illegible] GALLI APR 2 8 71

F.B. 2943 PG. 85

U.S. COAST & GEODETIC SURVEY
TRIANGULATION STATION
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C.
$250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK.
1964
BANOS

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES D10
USC&GS 341181-1113



SEE NEXT PG FOR MEAS.
DIR'S PER USC&GS

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76F309S CE#310 3-69

F. B. 2943 PG. 86

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES D-10

300' # 139 MEASUREMENTS 55 MTR MA

20.84' = 20.84' 6.351m = 6.351m = 20.835'
25.495' = 25.495' 7.772m = 7.772m = 25.50'
33.555' = 33.555' 10.228m = 10.228m = 33.555'

AREA: THIS TRIANG. STA. IS LOCATED IN THE N.W. PORTION OF L.A. CO. 3/4± MILE SO. & 1 1/5± MILE WEST OF LAKE HUGHES STORE IN ANGELES NAT. FOREST ON THE EAST END OF SAWMILL MTN RIDGE, 2000'± W & 1800'± S OF NE COR SEC 28 T7N, R15W PER 7½' USGS LAKE HUGHES QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF ELIZABETH LK. RD. & LAKE HUGHES RD. TRAVEL SOUTH ON LAKE HUGHES RD 0.3 MILE TO A DIRT RD ON THE RT 50'± NORTH OF FRAME HOUSE; TURN RT (WLY) ON MAXWELL TRUCK TRAIL AND FOLLOW WLY, THEN SLY UPGRADE 0.6 MILES TO CABLE GATE ("L" LOCK); CONTINUE UPGRADE SLY AND WLY 1.7 MILES TO T.V. ANTENNAS ON THE RT (NLY); CONTINUE WLY UPGRADE 0.3 MILES TO TRAVELED TRACK ON LFT UP SHARP SPUR; DRIVE UP TRACK (WLY) 400'± AND PARK; HIKE UP FIREBREAK 1000'± TO HIGH POINT THEN DOWN SPUR TO LFT 600'± TO THE STATION, WHICH IS LOCATED ON THE HIGH POINT OF A SMALL SPUR RUNNING NORTH AND SOUTH.

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 10-29-70
Date	Indexed L. J. GALLI APR 28 '71

F.B. 2943 PG. 87

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES D10

STATION MARK: A 4" USC&GS BRASS TRIANG. DISC STAMPED "BANOS 1964" 0.2' ABOVE GRD AND BRAZED TO THE TOP OF A 2" CAST IRON PIPE. NO RECORD OF SUB-SURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" USC&GS BRASS REF MARK DISC WITH ARROW POINTED AWAY FROM STA. STAMPED "BANOS NO 1 1964" UP 0.4' AND BRAZED TO THE TOP OF A 2" CAST IRON PIPE.

RM 2: SAME AS RM 1 EXCEPT STAMPED "NO 2", UP 0.2', AND ORIENTED CORRECTLY.

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

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76F309S CE#310 3-69

F. B 2883 Pg. 88

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES DIO

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Office Work	Surveyed by RCW
Checked	Notes RCW Date 10/29/70
Date	Indexed G. J. GALLI APR 2 8 71

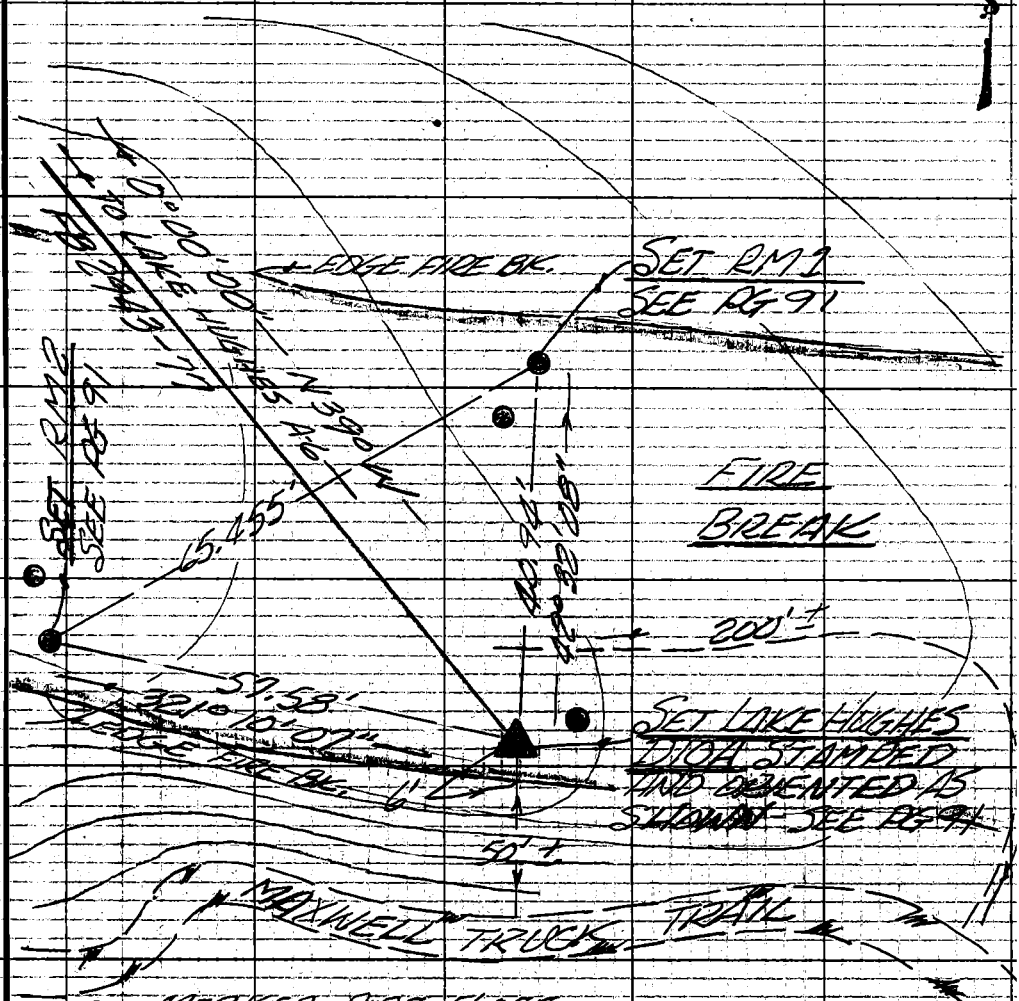
F. B. 2943 PG. 89

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES DIOA
1970
SET BY
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES DIOA



● = MARKER PIPE 5' OFF
DIR'S PER FBG 1280-47
SEE NEXT PG. FOR MEAS.

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76F309S CE#310 3-69

F. B. 2943 Pg. 90

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES DIOA

300'# 221 MEASUREMENTS 50 MTR M4
LEVEL @ 58°T

40.95' = 40.94' 12.482m = 12.479m = 40.94'
57.59' = 57.58' 17.555m = 17.552m = 57.585'
35.12' = 35.11' 10.704m = 10.701m = 35.11'
30.35' = 30.34' 9.253m = 9.250m = 30.35'

AREA: THIS TRIANG. STA. IS LOCATED IN THE NW. PORTION OF LA. CO. 1 MILE ± WEST AND ½ MILE ± SO. OF LAKE HUGHES STORE. 1000' ± W & 600' ± S OF THE NE COR SEC 28, T7N, R15W AND N 60° W 1300' ± FROM TELEVISION TWRS ATOP HILL 3998 PER 7½' USGS LAKE HUGHES QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF ELIZABETH LK RD AND LAKE HUGHES RD: TRAVEL SO. ON LAKE HUGHES RD 0.3 MILES TO A DIRT RD ON THE RT 50 ± NORTH OF FRAME HOUSE: TURN RT (NLY) ON MAXWELL TRUCK TRAIL AND FOLLOW NLY, THEN SLY UPGRADE 0.6 MILES TO CABLE GATE ("L" LOCK): CONTINUE UPGRADE SLY AND WLY 1.7 MILES TO T.V. ANTENNAS ON THE RT (NLY): CONTINUE WLY UPGRADE 0.2 MILE TO CURVE IN RD TO LFT: TURN RT, THEN LFT ON FIRE BREAK AND FOLLOW WLY UPGRADE 200' ± TO THE STA, WHICH IS 75' ± EAST OF THE HIGHEST POINT OF A SMALL KNOB AND 50' ± NORTH OF MAXWELL TRUCK TRAIL. (20' ± HIGHER IN ELEV. THAN TRUCK TRAIL)

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Map No.	Job 0301.02 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 10-29-70
Date	Indexed G. L. GALLI APR 28 '71

F. B. 2943 PG. 91

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES DIOA

STATION MARK: A 4" L.A. CO. SUR. CONT. SYS. BRASS TRIANG. DISC STAMPED "LAKE HUGHES DIOA 1970 RE 5869" 6" ABOVE GRD. AND SET IN A 12"X12" CONC. PAD. NO SUB-SURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" LACO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "LAKE HUGHES DIOA RM 1 1970 RE 5869" 6" ABOVE GRD. AND SET IN 12"X12" CONC. PAD. THIS MARK 5 1/2' ± LOWER IN ELEV. THAN THE CTR STA.

RM 2: SAME AS RM 1, EXCEPT STAMPED "RM 2" AND IS 2' ± HIGHER IN ELEV. THAN CTR STA.

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76F309S CE#310 3-69

F. B. 2913 PG. 92

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES D104

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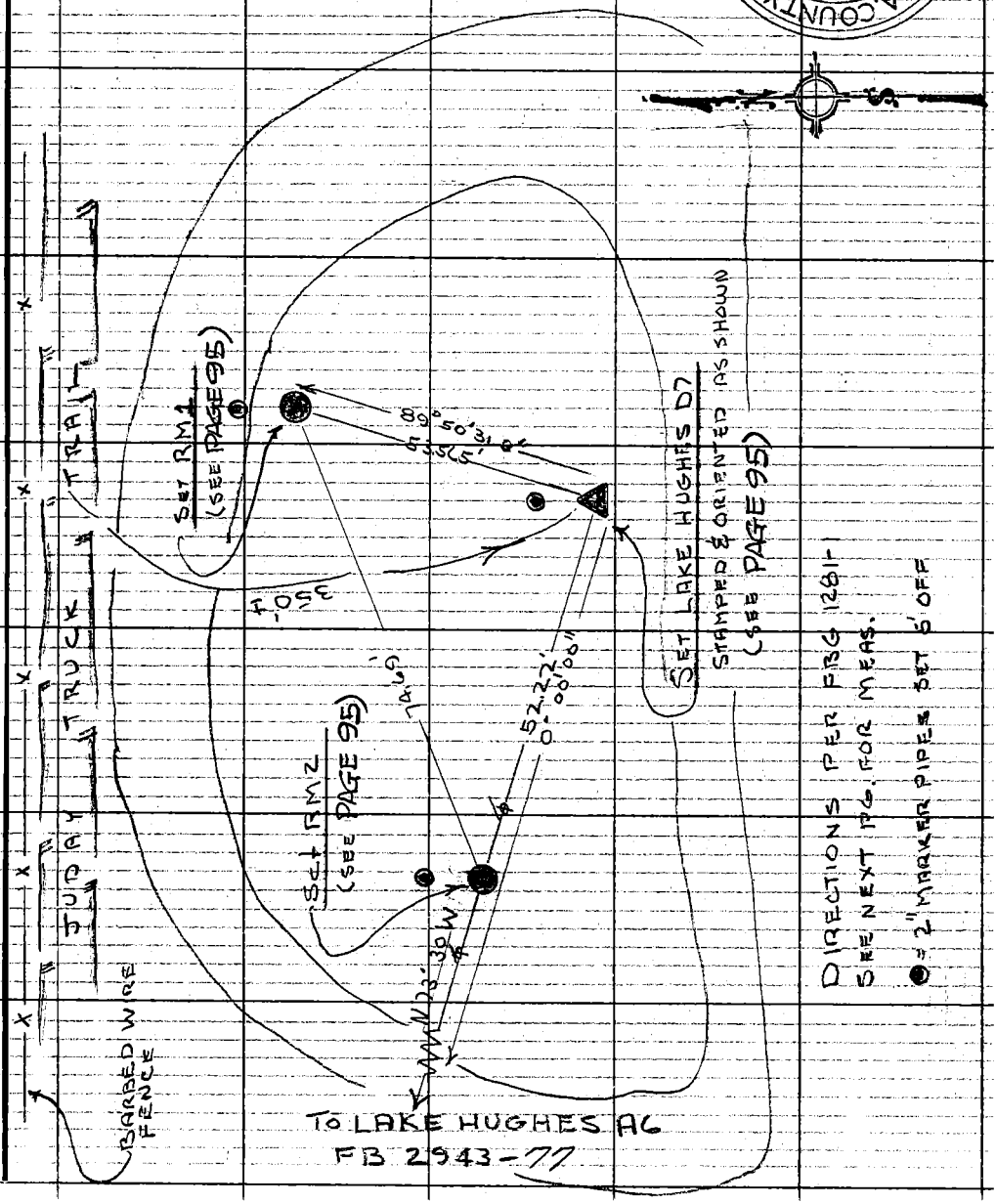
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 10/28/70
Date	Indexed J. GALLI APR 28 71

F. B. 2943 PG. 93

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES D7
1970
SET 6"
R.E. 15869
FOR INFORMATION
SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES D7



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GEODETIC CONTROL

F. B. 2993 PG. 94

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES D7

300' # 139 — MEASUREMENTS — 50 MTR. # M4

LEVEL @ 64°T

53.57 = 53.56'
52.23 = 52.22'
74.70 = 74.69'

16.330 M = 16.327 M = 53.565'
15.920 M = 15.917 M = 52.22'
22.767 M = 22.764 M = 74.69'

AREA: THIS TRI. STA. IS IN L.A.CO. 1¼ MILES N. & 1¼ MILES W. OF THE LAKE HUGHES MARKET, IT IS ON HILL 4087 ATOP OF PORTAL RIDGE. 2400'± S & 900'± W OF THE N.E. COR. OF SEC. 16, T 7N, R15W. SEE U.S.G.S. 7½' SHEET "LAKE HUGHES CALIF" QUAD 1957.

ROUTE: FROM THE INTER. OF LAKE HUGHES RD & ELIZABETH LAKE RD. TRAVEL N.WLY 0.6 MILE TO A FIRE TRUCK TRAIL AT THE ENTRANCE TO ROLLING J RANCH RD. TURN RT. (N.ELY) AND PROCEED 0.1 MILE TO A FIRE GATE (L LOCK), THENCE 0.8 MILES TO AN INTER WITH MYRICK CUTOFF CONTINUE STRAIGHT 0.4 MILE ACROSS JUDAY FLAT TO AN A FRAME HOUSE. THENCE NLY. 0.3 MILE TO A CABLE GATE (L LOCK), CONTINUE 0.9 MILE TO A JUNCTION WITH TROEDEL MOTORWAY, KEEP STRAIGHT (WLY) 0.5 TO THE CREST OF A ROUND HILL. TURN LEFT (SLY.) UP A SLIGHT GRADE 350'± TO THE STATION.

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Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 10/29/70
Date	Indexed G.J. GALLI APR 28 71

E. B. 2983 PG. 95

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES D7

STATION MARK: A 4" L.A.CO. SUR CONT. SYS. BRASS TRI. STA. DISC STAMPED "LAKE HUGHES D7 1970 RE5869" SET IN A 12"X12" CONC. PAD 4" ABOVE GRD. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM1: A 4" L.A.CO. SUR. CONT. SYS. BRASS REFERENCE MARK DISC STAMPED: "LAKE HUGHES D7 RM1 1970 RE 5869" SET IN A 12"X12" CONC. PAD 6" ABOVE GRD. ORIENTED S30°E, WITH A CHISELED ARROW POINTING TOWARDS THE CENTER STATION.

RM2: A 4" L.A.CO. SUR CONT SYS. BRASS REFERENCE MARK DISC STAMPED: "LAKE HUGHES D7 RM2 1970 RE 5869". SET IN A 12"X12" CONC. PAD 6" ABOVE GRD. SET ON LINE TO LAKE HUGHES A6

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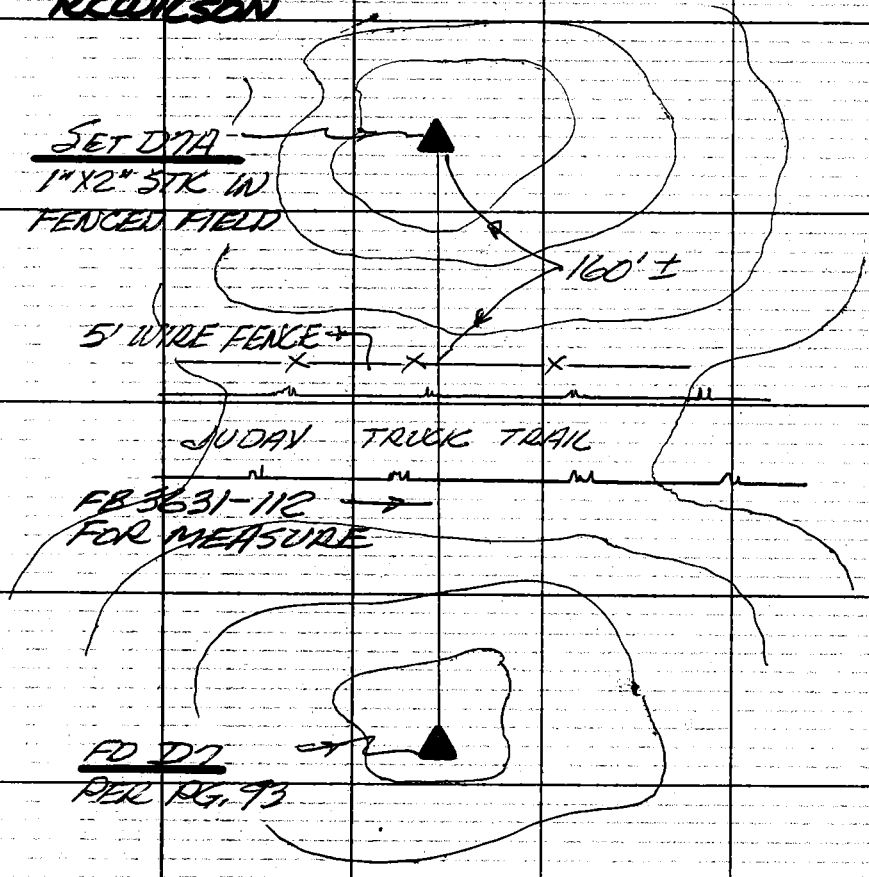
76F309S CE#310 3-68

GEODETIC CONTROL

F. B. 2743 PG. 96 L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES D7A

SET 5-27-75
RCWILSON



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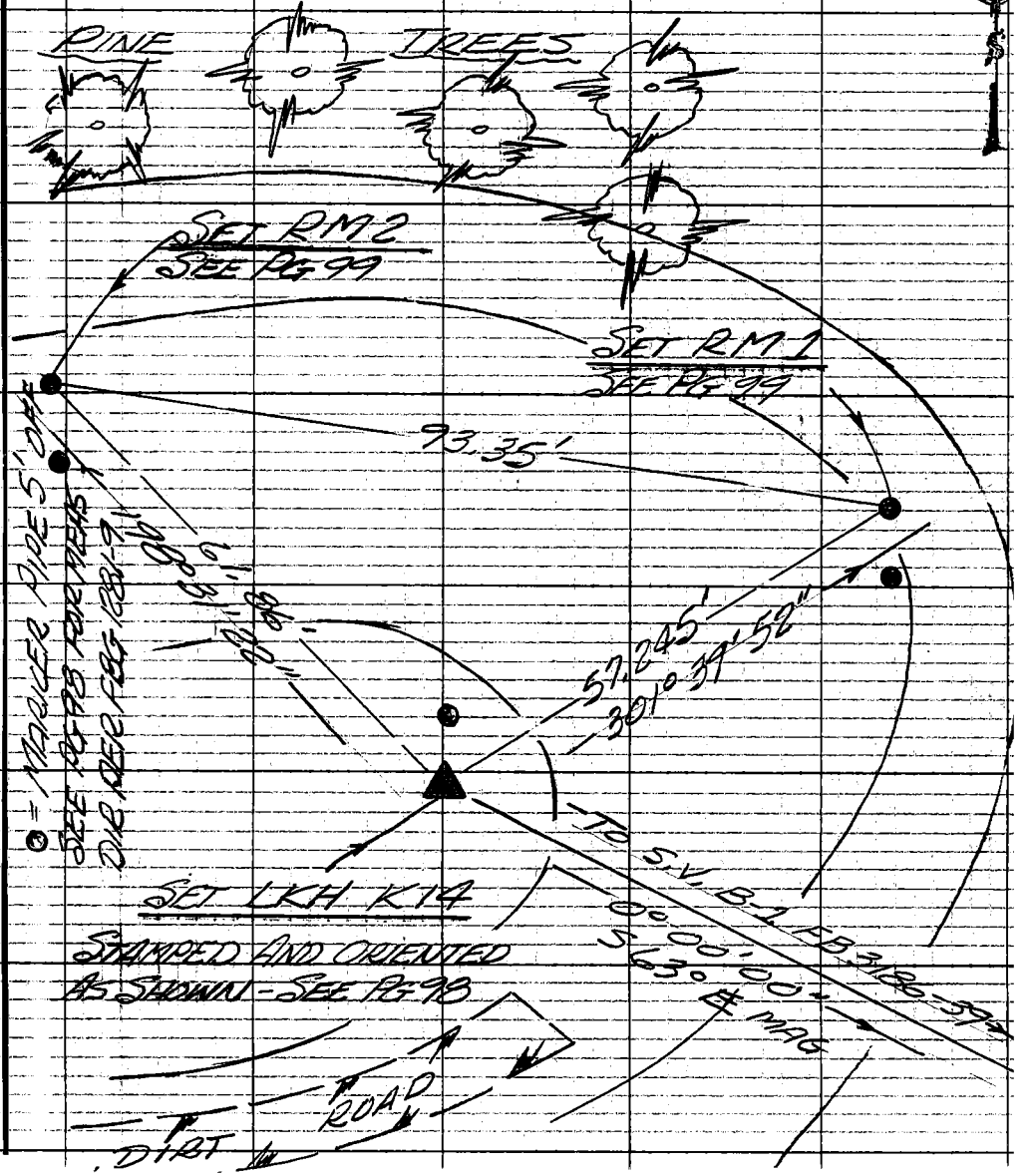
Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2943 Pg. 97
Map No.	JN 330.00 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes R. C. Wilson Date 11-6-70	
Date	Indexed G. J. GALLI APR 28 '71	

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES K14
1970
SET BY
RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES K14



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76F3095 CE#310 3-69

F. B. 2943 Pg. 98

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES K14

300' # 139 MEASUREMENTS 50 MTR #16

LEVEL @ 65°T

57.255' = 57.245'	17.452m = 17.449m =	57.25'
61.87' = 61.86'	18.853m = 18.855m =	61.86'
93.36' = 93.35'	28.458m = 28.455m =	93.355'

AREA: THIS TRIANG. STA. IS LOCATED IN THE N.W. PORTION OF LA COUNTY, 2 MILES ± SO. OF ELIZABETH LAKE, IN ANGELES NATL FOREST 350' ± W. & 1350' ± S. OF THE NW COR SEC 6, T 6N, R14W ON A HILL MARKED "4605 GRASS MOUNTAIN" PER 7½' U.S.G.S. LAKE HUGHES QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF ELIZABETH LAKE RD AND SAN FRANCISQUITO RD TRAVEL SOUTH ON SAN FRANCISQUITO RD 0.8 MILE TO SUMMIT AND LEONA DIVIDE FIRE RD ON THE RT (W): TURN RT UPGRADE 2.0 MILE TO "Y" AND BEAR LFT UPGRADE 0.9 MILE TO TOP OF MTN AND "T" JUNCT: TURN RT 0.1 MILE TO HIGH POINT AND THE STATION.

STATION MARK: A 4" L.A. CO. SUR. CONT. SYS. BRASS TRIANG. DISC STAMPED "LAKE HUGHES K14 1970 RE5869" 5" ABOVE GRD AND SET IN AN 8" CONC. POST WITH CONC. PAD AROUND POST. NO SUB-SURFACE MARK SET.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2943 PG. 99
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes R. C. Wilson Date 11-6-70	
Date	Indexed G. J. GALLI APR 28 '71	

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES K14

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF MARK DISC STAMPED "LAKE HUGHES K14 RM 1 1970 RE5869" 5" ABOVE GRD AND SET IN AN 8" CONC POST WITH CONC. PAD AROUND POST.

RM 2: SAME AS RM 1 EXCEPT STAMPED "RM 2".

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76F309S CE#310 3-69

F. B. 2943 Pg. 100

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES K 14

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2943 PG. 101
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes R. C. Wilson Date 1-71	
Date	Indexed C. J. GALLI APR 28 '71	

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATIONS

GEODETIC CONTROL
JN0301.00

N.W. PORTION L.A. COUNTY
JAN-1971
SEE FB 3621 FOR GMTR MEAS.

Wilson
Pyle
Barnett
Fisher
Martinez
Florek

76F309S CE#310 3-69

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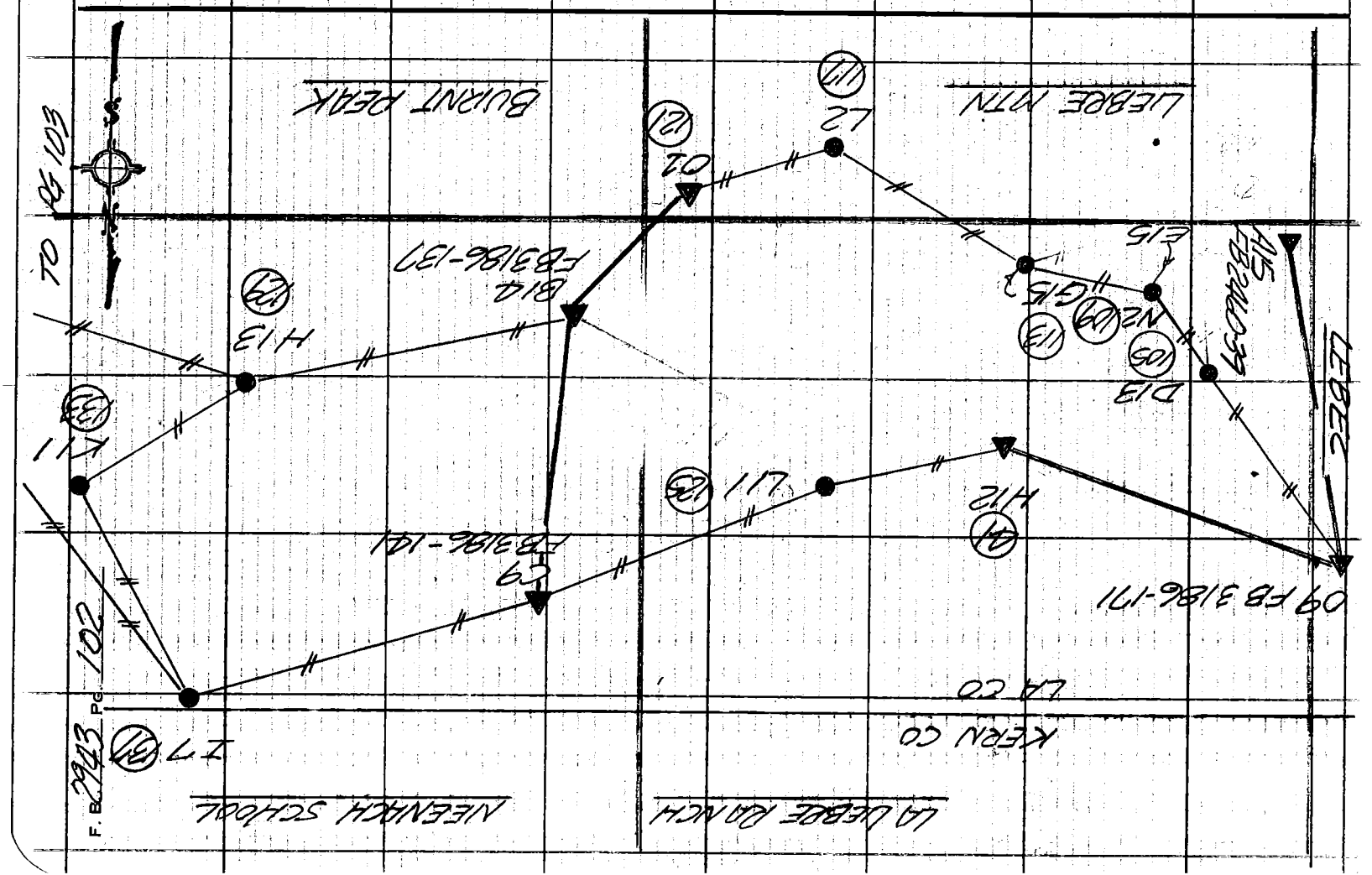
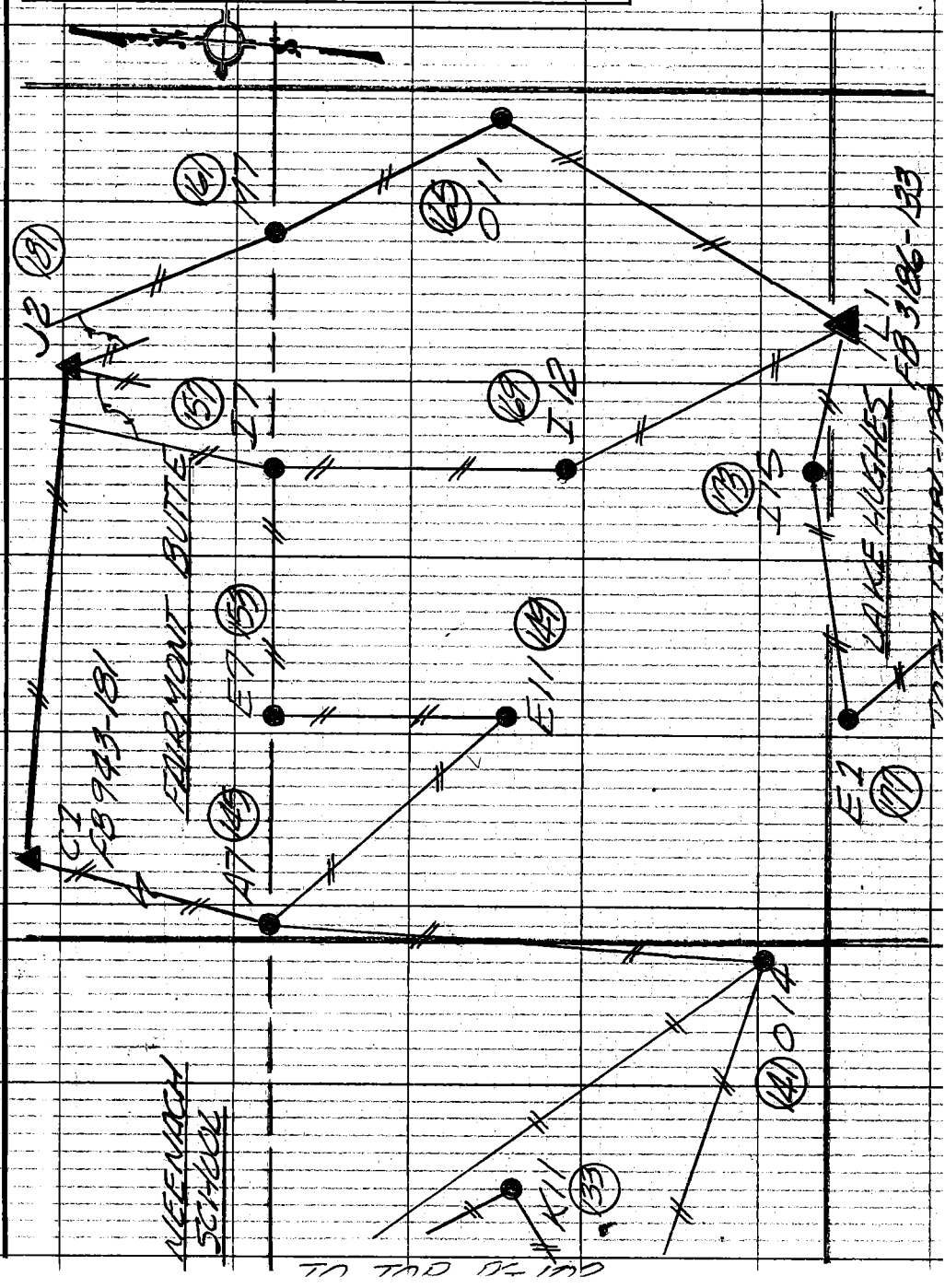


Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 1-71
Date	Indexed L. C. GALLI APR 28 71

F. B. 2943 PG. 103



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F. B. 2113 Pg. 104

TRAV. INDEX 101

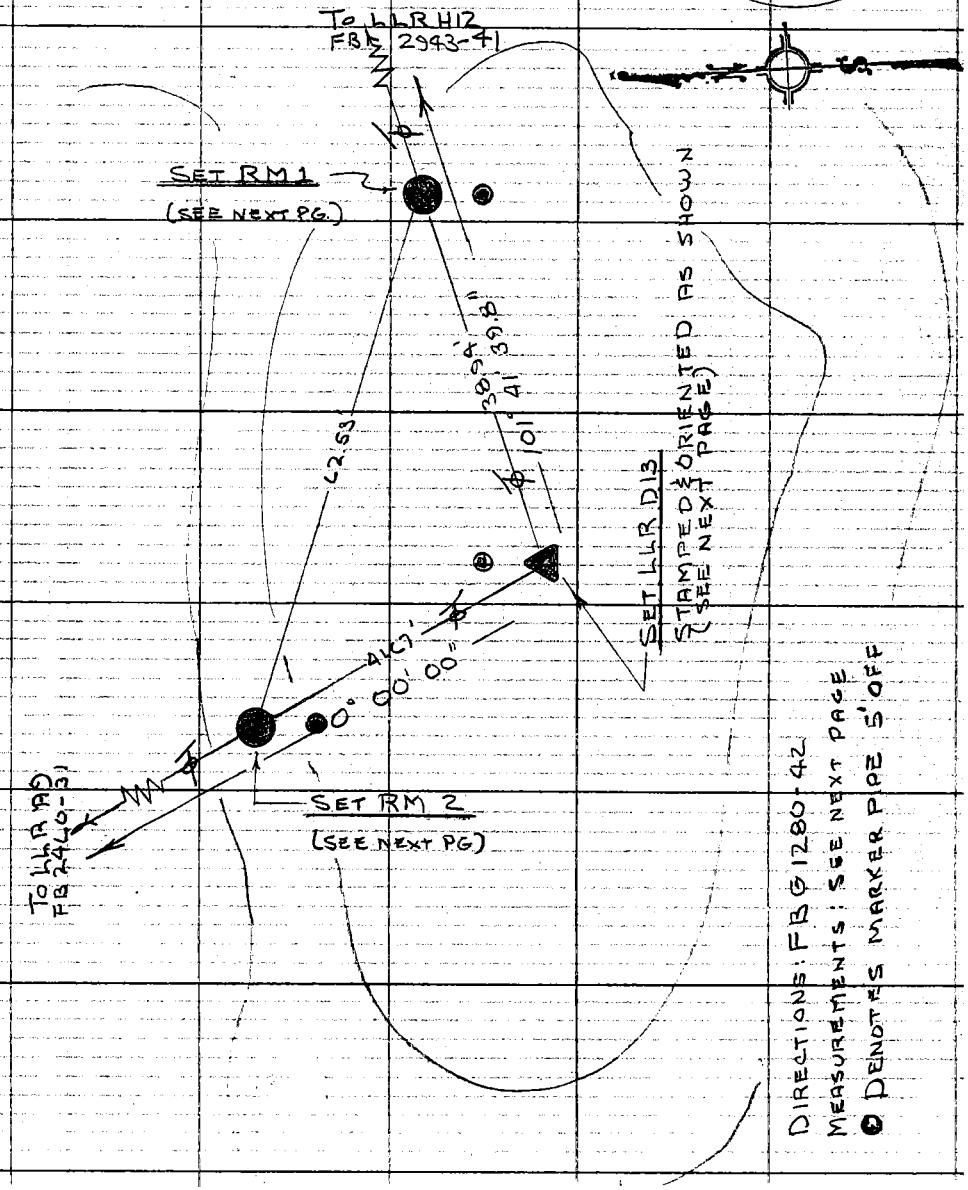
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 10/14/70
Date	Indexed [illegible] GALLI APR 28 '71

F. B. 2943 PG. 105

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LA LIEBRE RANCH D13
1970
SET BY
RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LA LIEBRE RANCH D13



DIRECTIONS: FB G 1280-42
MEASUREMENTS: SEE NEXT PAGE
● DENOTES MARKER PIPE 5' OFF

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2993 PG. 106

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LA LIEBRE RANCH D13

50 MTR. M4 MEASUREMENTS 300' F139

LEVEL @ 74°T

11.869 M = 11.869 M = 38.94'	38.935' = 38.935'
12.702 M = 12.702 M = 41.67'	41.665' = 41.665'
19.060 M = 19.060 M = 62.53'	62.53' = 62.53'

AREA: THIS TRAVERSE STA. IS IN L.A. CO. IN THE VICINITY OF QUAIL LAKE, WITHIN THE TEJON RANCH, ATOP HILL 3452. IT IS 950'± S & 2100'± E OF THE N.W. COR. OF SEC. 19, T8N, R17W. SEE USGS. SHEET "LA LIEBRE RANCH CALIF." QUAD 1965

ROUTE: FROM ITS INTER. WITH HWY. 138, TRAVEL NLY. ON PACIFIC WESTERN CEMENT PLANT RD. (337°± ST = WEST) 500'± TO A TRAVELED TRACK ON THE RIGHT (E) FOLLOW THIS 500'±, TURN LEFT (NLY) AND ASCEND A SPUR 400'± TO ITS SUMMIT. PROCEED WLY ALONG THE TOP OF SPUR 300'± TO THE STA.

STATION MARK: A 4" L.A. CO. SUR. CONT. SYS. BRASS TRAVERSE DISC STAMPED: "LA LIEBRE RANCH D13 1970 RE 5869" SET IN A 8" CONC. POST, 3" ABOVE GRD.
NO SUB-SURFACE MARK WAS SET

REFERENCE MARKS

R.M. 1 A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED: "LA LIEBRE RANCH D13 RM 1 1970 RE 5869" SET IN A 8" CONC. POST, 4" ABOVE GRD. IT IS SET ON LINE TO LLR H12

R.M. 2 IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2" AND SET ON LINE TO LLR A9

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2943 Pg. 107
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes R. C. Wilson Date 10-70	
Date	Indexed G. J. GALLY APR 28 '71	

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

LA LIEBRE RANCH D13

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F. B. 2943 PG. 108

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LA LIEBRE RANCH D13

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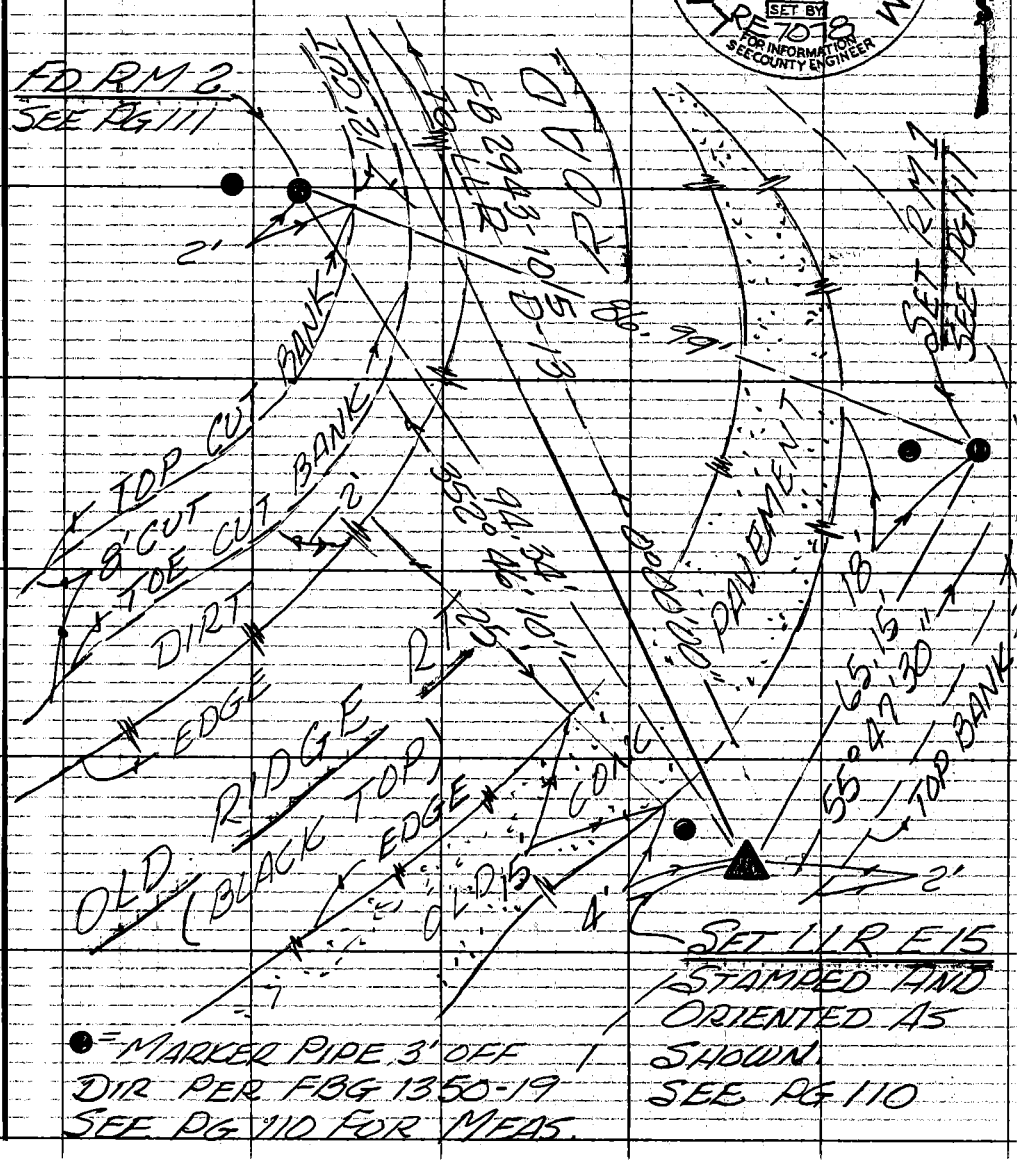
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 331.00 Tape Std °F
Office Work PAW	Surveyed by WILSON
Checked	Notes ECW Date 11-17-71
Date	Indexed C. J. GALLI MAY 10 '72

F.B. 2713 Pg. 109

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LA LIEBRE RANCH E15

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LA LIEBRE RANCH
E15
1971
SET BY LRE 7078
FOR INFORMATION SEE COUNTY ENGINEER



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76F309s CE#310 3-69

F. B. 2943 PG. 110

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

LA CIEBRE RANCH E-15

300' # 221 MEASUREMENTS 50 MTR M-6

@60° = 65.165' = 65.155' 19.861 m = 19.858 m = 65.15'

@56° = 94.36' = 94.34' 28.763 m = 28.757 m = 94.35'

RM 1 TO RM 2 SLANT MEAS DIFF IN ELEVATION = 8.56' PER PG 188. 56° TEMP.

87.43' = 87.41' @ 8.56' dc = v = 86.99' LEVEL

26.648 m = 26.642 m @ 8.56' dc = v = 26.515 m = 86.99' LEVEL

AREA: THIS TRAV. STA. IS LOCATED IN THE N.W. PORTION OF L.A. COUNTY ALONG THE OLD RIDGE ROUTE RD (COUNTY N2) IN THE VICINITY OF THE QUAIL LAKE COUNTY FIRE STATION, AND IS 1650' ± SOUTH & 200' ± WEST OF THE N.E. COR. OF SEC 30, T8N, R17W ON THE EAST SIDE OF A SHARP CURVE IN THE ROAD.

ROUTE:

FROM ITS INTERSECTION WITH STATE HWY 138 TRAVEL S'ELY ON OLD RIDGE RT RD (COUNTY N2) UPGRADE 1.37 MILE TO A SHARP S'WLY CURVE, WIDE PORTION OF ROADWAY, WITH OLD CONC. HWY VISIBLE. THE STA. IS ON THE LFT (E) 4' E. OF EDGE OF CONC PAVEMENT.

STATION MARK:

REPLACED 1X2 STK "N2" PER F83621 PGS 69, 70, 92 & 93 AT SAME ELEVATION & EXACT POSITION WITH A 4" L.A. CO. SUR. CONT. SYS. BRASS TRAV. DISC

(CONT PG 111)

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Office Work
Checked
Date

Survey of GEODETIC CONTROL F. B. 2943 PG. 111
JN Tape Std °F
Surveyed by
Notes Date
Indexed C. J. GALLI MAY 10 72

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LA LIEBRE RANCH E15

STAMPED "LA LIEBRE RANCH E-15 1971 RE 7078" FLUSH WITH GRD. AND SET IN AN 8" CONC. POST. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF MARK DISC STAMPED "LA LIEBRE RANCH E15 RM 1 1971 RE 7078" FLUSH AND SET IN AN 8" CONC. POST.

RM 2: STATE OF CAL, DIV. HWY
A 6"X6" CONC. 1 R/W MONUMENT WITH BRASS WIRE IN CENTER, PROJECTING 8" ABOVE GRD.

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

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76F309S CE#310 3-69

F. B 2943 PG 112

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

LA CIEBRE RANCH E-15

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	Jn 0301.00 Tape Std °F
Office Work RCW	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 1-12-71
Date	Indexed C. J. GALLI APR 28 '71

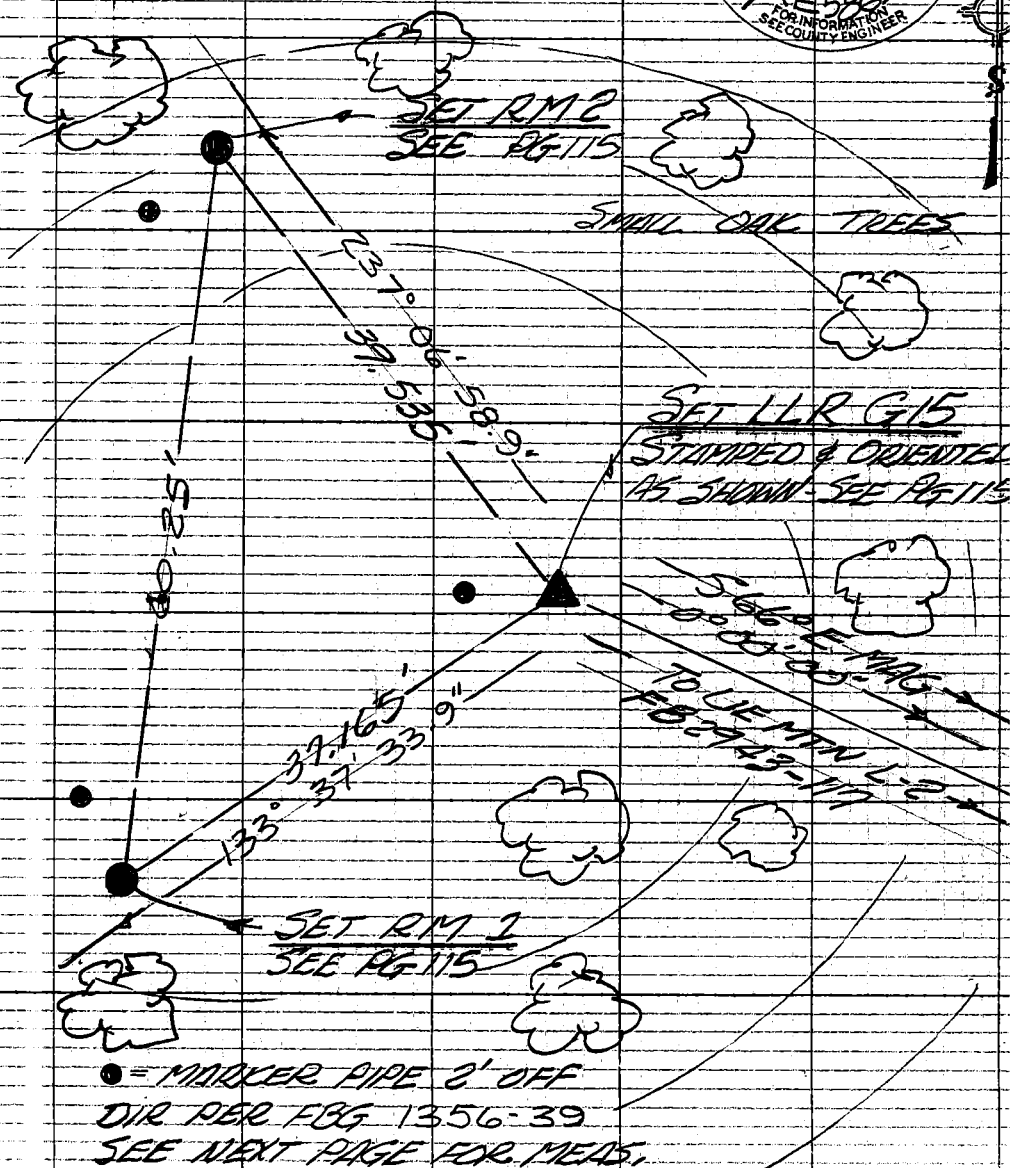
F. B. 2943 PG. 113

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LA LIEBRE RANCH G15

L.A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION LA LIEBRE RANCH G15 1971 SET BY RE 5869 FOR INFORMATION SEE COUNTY ENGINEER



● = MARKER PIPE 2' OFF
DIR PER FBG 1356-39
SEE NEXT PAGE FOR MEAS.

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76F309S CE#310 3-69

F. B. 2943 PG. 114

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LA LIEBRE RANCH G15

	MEASUREMENTS	
300' # 221	LEVEL & 42°T	50 MTR M4
37.17' = 37.16'	11.330m = 11.327m =	37.17'
39.545' = 39.535'	12.053m = 12.050m =	39.535'
60.27' = 60.25'	18.369m = 18.363m =	60.245'

AREA: THIS TRAV. STA. IS LOCATED IN THE NW PORTION OF L.A. COUNTY IN THE VICINITY OF QUAIL LAKE, 750' ± N & 850' ± E OF THE INTERSECTION OF LA LIEBRE RANCH LINE AND THE EAST LINE OF SEC 29, T8N, R17W. U.S.G.S. 7½' LA LIEBRE RANCH QUAD SHEET (HILL 3598)

ROUTE: FROM THE INTERSECTION OF PINE CYN RD AND COUNTY RT 2 (OLD RIDGE ROUTE): TRAVEL EAST ON PINE CYN RD 1.6 MILE TO A WIRE GATE IN THE BOTTOM OF A SMALL DRAW ON THE LFT (N) 100' ± N. OF EDGE OF PAVED RD; PASS THRU GATE AND FOLLOW TRAV TRUCKS NELY 0.1 MILE TO FENCE & WIRE GATE; CONTINUE N. THRU GATE 0.05 MILE TO "T" INTER: TURN RT (W) AND FOLLOW DIRT RD, 0.2 MILES TO "Y": BEAR RT (N.W.LY) 0.1 MILE TO T.T. ON RT UP RIDGE: TURN RT (N. E.LY) 300' ± TO TOP OF RIDGE, BEAR RT (E'LY) UP RIDGE 0.1 MILE TO HIGHEST POINT AND THE STATION.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 034.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 1-12-71
Date	Indexed G. J. GALLI APR 28 '71

F.B. 2943 PG. 115

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LA LIEBRE RANCH G15

STATION MARK:

A 4" L.A. CO. SUR. CONT. SYS. BRASS TRAV. DISC STAMPED "LA LIEBRE RANCH G15 1971 RE 5869" UP 3" AND SET IN AN 8" CONC. POST. NO SUB-SURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "LA LIEBRE RANCH G15 RM 1 1971 RE 5869" FLUSH WITH GRD. AND SET IN AN 8" CONC. POST.

RM 2: SAME AS RM 1 EXCEPT STAMPED "RM 2" AND 3" ABOVE GRD.

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F. B. 293 Pg. 116

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LA LIEBRE RANCH G15

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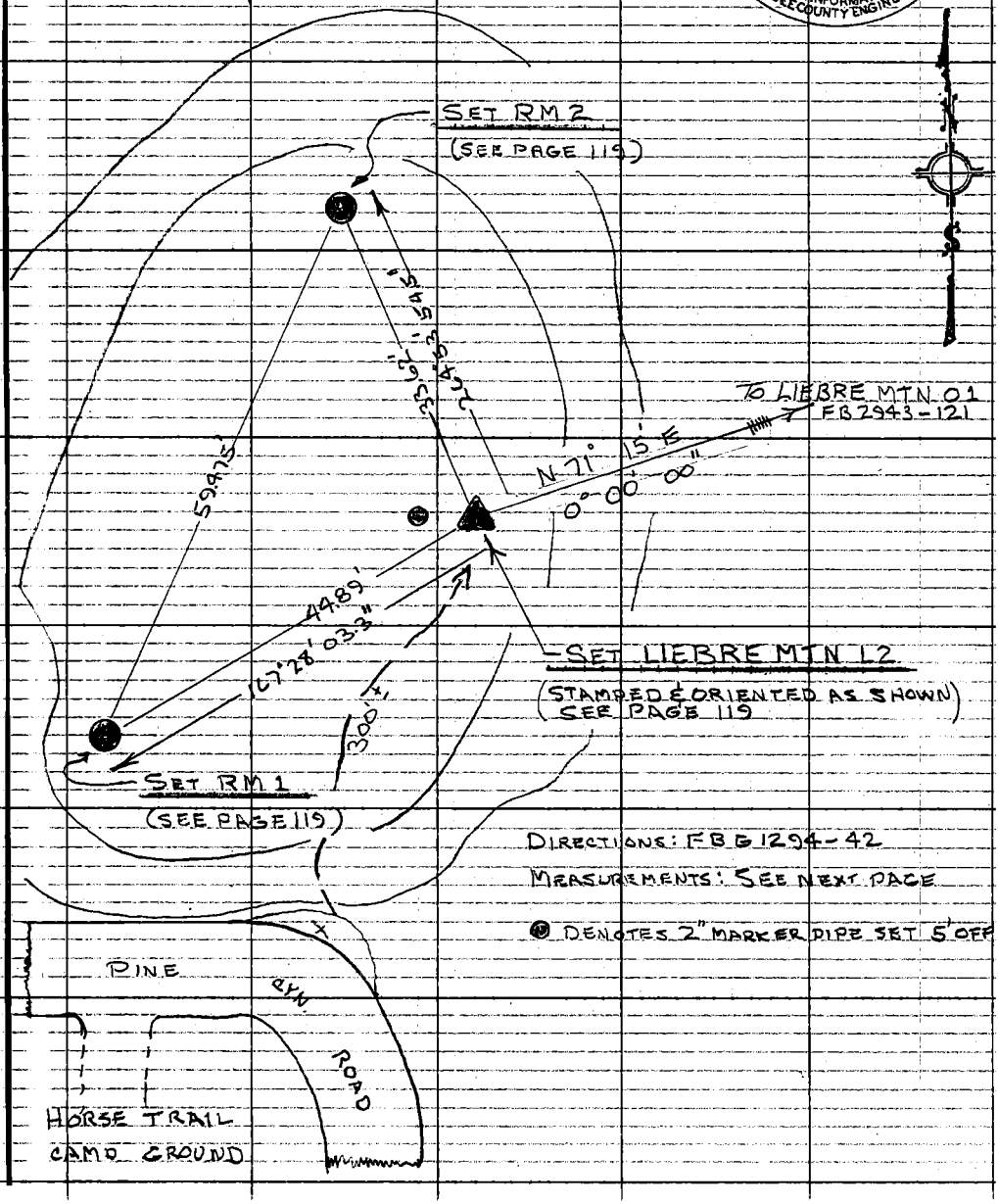
Notes Ck'd. by	Survey of GEODETIC CONTROL	F.B. 2943 Pg. 117
Map No.	JN 0201.00 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes C.A.PYLE Date 1-14-71	
Date	Indexed G. J. GALLEY APR 28 '71	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LIEBRE MTN L2

L.A. COUNTY SURVEY CONTROL SYSTEM
LIEBRE MTN L2 TRAVERSE STATION
1971
SET BY RE 5869
FOR INFORMATION SEE COUNTY ENGINEER



DIRECTIONS: FB G1294-42

MEASUREMENTS: SEE NEXT PAGE

⊙ DENOTES 2" MARKER PIPE SET 5' OFF

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GEODETIC CONTROL ✓

F. B. 2943 Pg. 118

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LIEBRE MTN L2

50 METER * M4 MEASUREMENTS 300' * 204

LEVEL @ 40°

13.685 M = 13.682 M = 44.889'	44.90' = 44.89'
10.250 M = 10.247 M = 33.618'	33.63' = 33.62'
18.134 M = 18.128 M = 59.475'	59.495' = 59.475'

AREA: THIS TRAVERSE STATION IS IN THE N.W. PORTION OF L.A. CO. IN THE VICINITY OF HORSE TRAIL CAMPGROUND, WHICH IS IN THE ANGELES NATIONAL FOREST. IT IS 3750'± N & 1850'± E OF THE S.W. COR. OF SEC. 35, T 7 N, R 17 W. SEE USGS 7½' SHEET "LIEBRE MTN. CALIF." QUAD 1958.

ROUTE: FROM ITS INTER WITH COUNTY N2 (RIDGE ROUTE RD.) TRAVEL ELY. ON PINE LYN. RD. 4.3 MILES TO HORSE TRAIL CAMPGROUND. PARK AND HIKE NLY., ASCENDING 300'± TO THE STATION SITE.

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2943 PG. 119
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes C. A. PYLE Date 1-14-71	
Date	Indexed [illegible] APR 2 8 '71	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LIEBRE MTN. L2

STATION MARK

A 4" L.A. COUNTY SURVEY CONTROL SYSTEM BRASS TRAVERSE STATION DISC. STAMPED: "LIEBRE MTN L2 1971 RE 5869". NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS:

RM1 A 4" L.A. CO. SURVEY CONTROL SYSTEM BRASS REFERENCE MARK DISC STAMPED "LIEBRE MTN L2 RM1 1971 RE 5869 SET IN AN 8" CONCRETE POST, 3" ABOVE GRD.

RM2 IDENTICAL TO RM1, EXCEPT STAMPED "RM2". IT IS 6" ABOVE GRD.

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 120

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LIEBRE MTN L2

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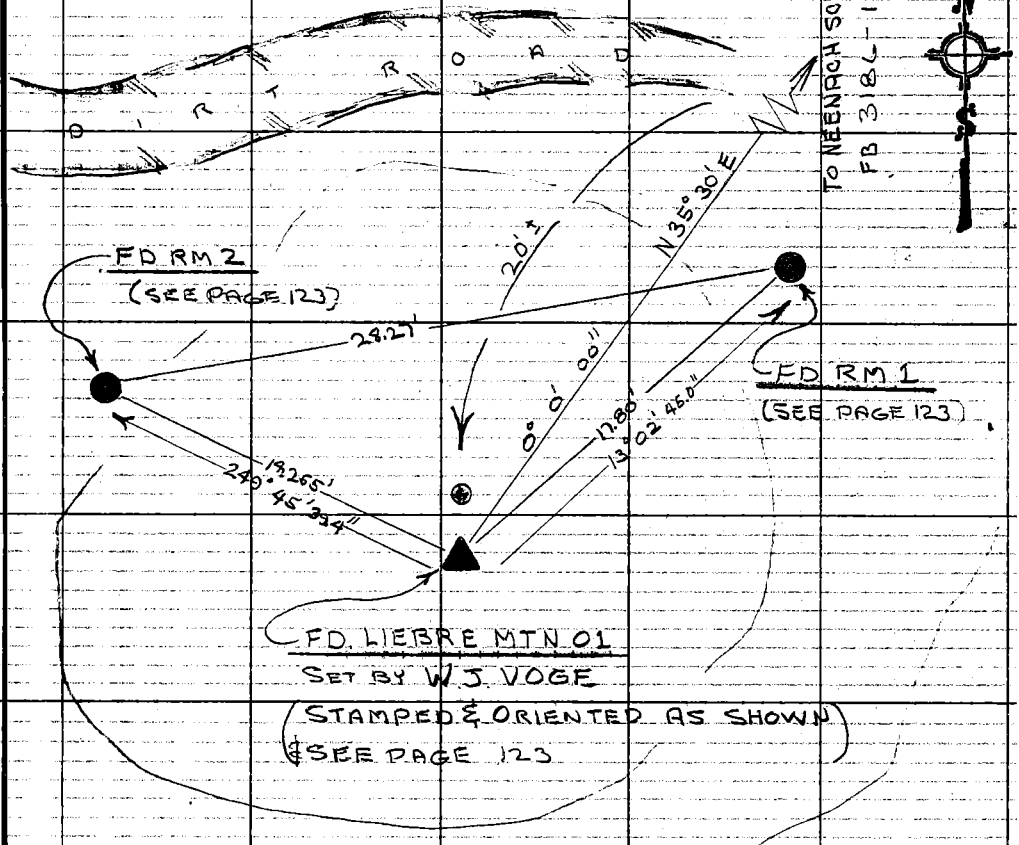
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map-No.	JN 030209 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. D. PYLE Date 11/16/70
Date	Indexed C. J. GALLI APR 28 '71

F. B. 2993 Pg. 121

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LIEBRE MTN 01

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LIEBRE MTN.
01
970
SET BY
R.E. 5869
FOR INFORMATION
SEE COUNTY ENGINEER



DIRS PER FBG 1281-19

● DENOTES MARKER PIPE 5' OFF

SEE NEXT PAGE FOR MEASUREMENTS

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76F3095 CE#310 3-69

GEODETIC CONTROL

F.B. 2993 Pg 122

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LIEBRE MTN. 01

300' TAPE #221 MEASUREMENTS 50 MTR #M4

LEVEL @ 64°

17.80' = 17.80'	5.426M = 5.426M = 17.80
14.25' = 14.25'	4.347M = 4.347M = 14.26'
28.25' = 28.25'	8.617M = 8.617M = 28.27'

AREA: THIS TRIANGULATION STA. IS IN N.W. L.A. CO. IN THE VICINITY OF THREE POINTS, ADJACENT TO GOOKINS DRY LAKE. IT IS 1150'± N & 1300'± W OF THE S.E. COR. OF SEC. 25, T8N, R17W. SEE U.S.G.S. 7½' SHEET "LIEBRE MTN. CALIF." QUAD. 1958.

ROUTE: FROM ITS INTER. WITH ELIZABETH LAKE CYN. RD. TRAVEL WLY. ON PINE CYN. RD. 2.0 MILES TO A DIRT ROAD & GATE (LLOCK) ON THE RT (N). FOLLOW THIS 0.3 MILE TO A FORK, BEAR RT. 0.1 MILE TO SECOND FORK. TAKE LEFT RD. 0.3 MILE TO THIRD FORK, THENCE RIGHT RD. 0.1 MILE TO FOURTH FORK TAKE LEFT RD. 0.2 MILE TO FIFTH FORK, TAKE RIGHT RD. 0.1 MILE TO SIXTH FORK, TAKE LEFT RD. 0.4 MILE TO TOP OF HILL AND THE STATION.

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Notes Ck'd. by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by B. C. Wilson
Checked	Notes C. A. PYLE Date 11/14/70
Date	Indexed G. J. GALLI APR 28 71

F. B. 2943 PG. 123

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LIEBRE MTN. 01

STATION MARK

A 4" LA CO SUR CONT SYS BRASS TRIANGULATION STATION DISC STAMPED "LIEBRE MT. 0-1 1970 R.E. 5869" SET IN A 6" CONC. POST, 4" ABOVE GRD. NO RECORD OF SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR CONT SYS BRASS REFERENCE MARK DISC STAMPED "LIEBRE MT. 0-1 RM 1. 1970 RE 5869" SET IN A 6" CONC. POST, 6" ABOVE GRD.

RM 2 IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2"

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 124 L. A.

COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LIEBRE MTN. 01

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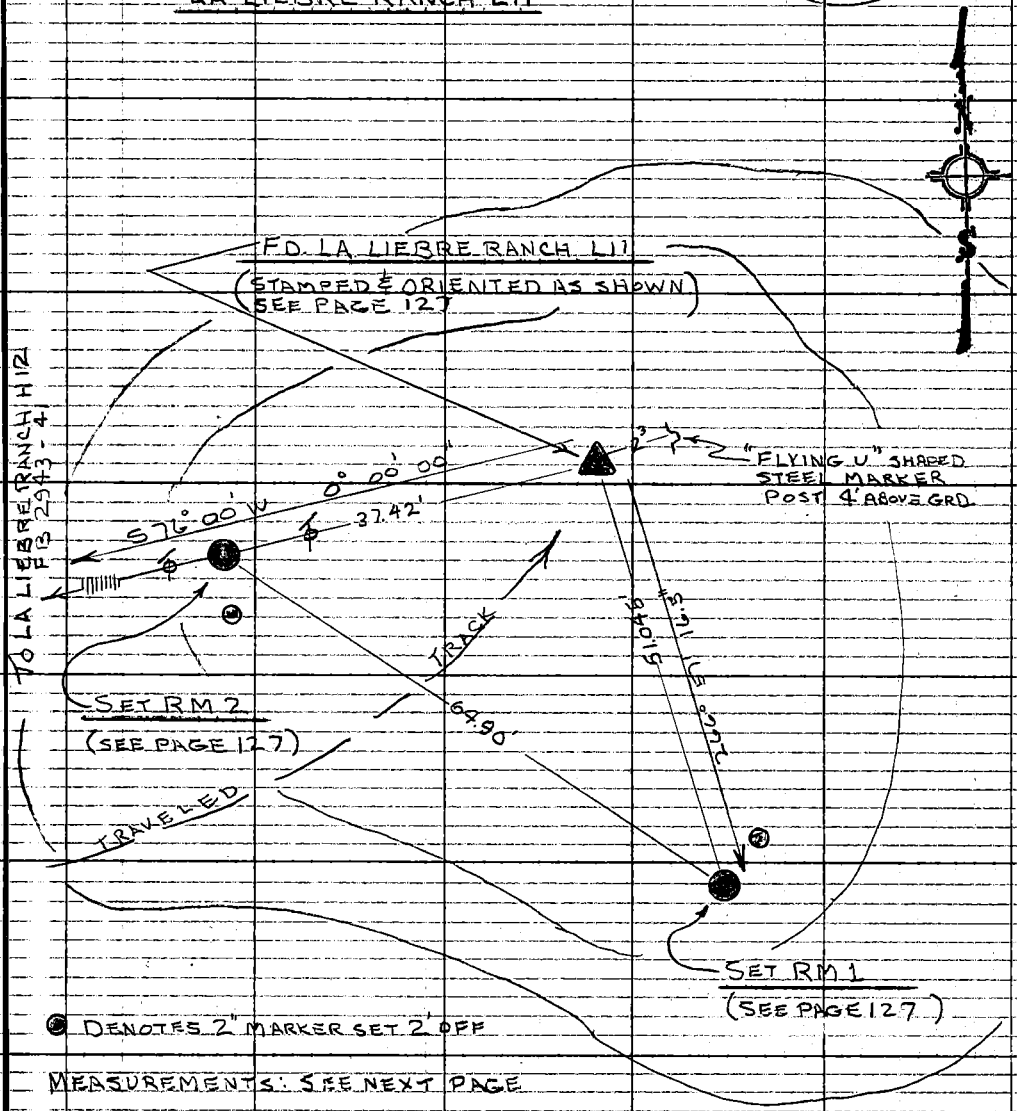
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 03010 Tape Std °F
Office Work PAW	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 1-13-71
Date	Indexed G. J. GALLI APR 28 71

F. B. 2943 Pg. 125

STATE OF CALIFORNIA — DEPARTMENT OF HIGHWAYS — DIVISION OF WARREN

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LA LIEBRE RANCH L11



● DENOTES 2" MARKER SET 2' OFF

MEASUREMENTS: SEE NEXT PAGE

DIRECTIONS PER EBG 1294-40

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76F3095 CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 126

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LA LIEBRE RANCH L11

50 METER M4 — MEASUREMENTS — 300' ± 221

LEVEL @ 44°

15.562M = 15.559 M = 51.047'	51.05' = 51.04'
11.409 M = 11.406 M = 37.42'	37.43' = 37.42'
19.789 M = 19.783 M = 64.905'	64.915' = 64.895'

AREA: THIS TRAVERSE STA. IS IN THE NW. PORTION OF L.A. CO. IN THE VICINITY OF THE LA LIEBRE RANCH, ATOP HILL 3056. IT IS 625' ± S & 400' ± E. OF THE N.W. COR. OF SEC. 14, T8N, R17W. SEE U.S.G.S. 7½' SHEET "LA LIEBRE RANCH, CALIF" QUAD. 1965.

ROUTE: FROM ITS INTER. WITH HWY 138, TRAVEL NLY. ON 300TH ST. WEST 0.27 MILES. TURN RT. (ELY) ASCENDING A HILLOCK 400' ± TO THE STATION

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2993 Pg. 127
Map No.	JN 030100 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes C. A. PYLE Date 1-13-71	
Date	Indexed G. T. GALLI APR 2-8 71	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LA LIEBRE RANCH L11

STATION MARK

A 2½" STATE OF CALIFORNIA DIVISION OF HIGHWAYS BRASS DISC STAMPED "WARREN" SET IN A 12" X 12" CONCRETE PAD 3" BELOW GRD.

REFERENCE MARKS:

RM 1 A 4" L.A. COUNTY SURVEY CONTROL SYSTEM BRASS REFERENCE MARK DISC STAMPED: "LA LIEBRE RANCH L11 RM 1 1971 RE 5869" SET IN AN 8" CONCRETE POST, 4" ABOVE GRD.

RM 2 IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2". SET ON LINE TO LA LIEBRE RANCH H12.

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

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B 2943 Pg. 128

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LA LIEBRE RANCH L11

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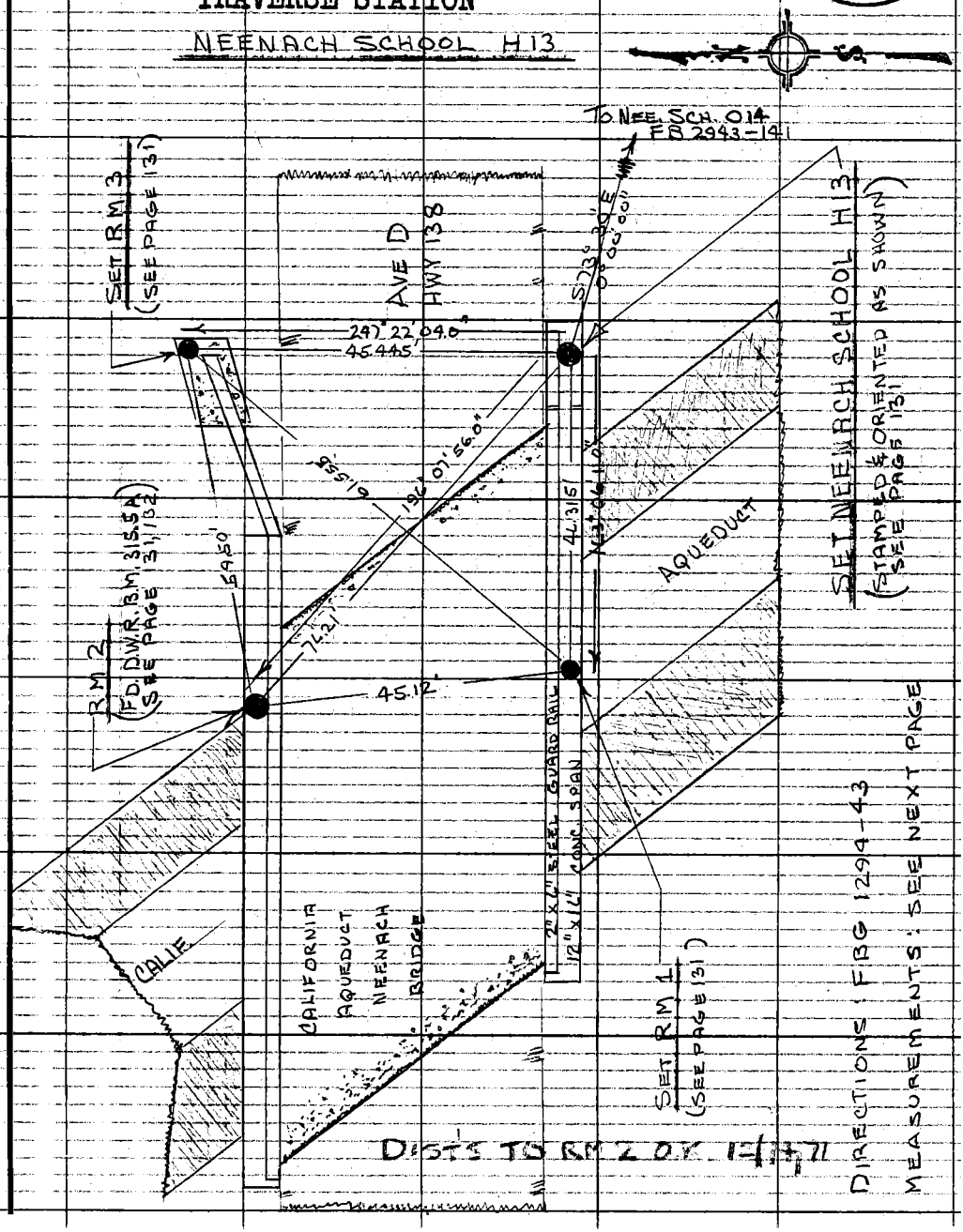
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes L.A. PYLE Date
Date	Indexed C.J. GARLI APR 28 71

F. B. 2943 Pg. 129

COUNTY ENGINEER NEENACH SCHOOL H13 1971 R.E. 5689

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

NEENACH SCHOOL H13



DIRECTIONS: FBG 1294-43

MEASUREMENTS: SEE NEXT PAGE

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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765309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 130

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
NEENACH SCHOOL H13

50 M TIE #	MEASUREMENTS	300' #
	LEVEL @ 46°	
14.118 M = 14.115 M =	46.31'	46.325' = 46.315'
23.235 M = 23.229 M =	76.210'	76.235' = 76.215'
18.158 M = 18.135 M =	59.498'	59.51' = 59.50'
13.755 M = 13.752 M =	45.118'	45.13' = 45.12'
13.854 M = 13.851 M =	45.443'	45.45' = 45.44'
18.760 M = 18.761 M =	61.55'	61.58 = 61.56'

AREA: THIS TRAVERSE STATION IS IN THE N.W. PORTION OF L.A. CO., IN THE VICINITY OF THE SNYDER RANCH IT IS IN THE S.E. COR. OF A BRIDGE SPAN, CROSSING THE CALIF. AQUEDUCT. 20'± S. & 215.0'± W. OF THE N.E. COR. OF SEC. 22, T8N, R16W. SEE U.S.G.S. 7½' SHEET "NEENACH SCHOOL, CALIF." QUAD. 1965.

ROUTE: FROM ITS INTER. WITH LANCASTER RD., TRAVEL ELY. ON AVE. D (HWY. 138) 300'± TO ITS CROSSING OF THE CALIF. AQUEDUCT. THE STATION IS IN A BRIDGE SPAN AT THE S.E. COR. OF THE BRIDGE.

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Notes Ck'd by	Survey of GEODETIC CONTROL		F.B. 2943 PG. 131
Map No.	JN0301.00 Tape	Std	°F
Office Work	Surveyed by R. C. Wilson		
Checked	Notes C.A. PYLE	Date	
Date	Indexed G.J. GALLI	APR 28 71	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
NEENACH SCHOOL H13

STATION MARK:

A 2½" BRASS COUNTY ENGINEER DISC STAMPED: "NEENACH SCHOOL H13 1971 5869", CEMENTED FLUSH IN THE TOP OF A 12"X12" CONCRETE BRIDGE ABUTMENT.

REFERENCE MARKS:

RM 1 A 3/4" BRASS L.A. CO. ENGR. TAC. SET IN LEAD, FLUSH IN THE TOP OF A 12"X12" CONCRETE BRIDGE SPAN

RM 2 A 4" BRASS STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES BENCH MARK DISC, STAMPED: "3155A B.M. 1968", CEMENTED FLUSH IN THE TOP OF A 12"X16" CONCRETE BRIDGE SPAN.

NOTE: THIS MARK WAS REMOVED BY D.W.R. SEE PG 132

RM 3 IDENTICAL TO RM 1, EXCEPT SET IN A 2'X4' CONCRETE GUARD RAIL SUPPORT.

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

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76F309s CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 132 — **L. A. COUNTY SURVEY CONTROL SYSTEM**
TRAVERSE STATION

NEENACH SCHOOL H13

R.M. 2 FD. A 4" BRASS STATE OF CALIF. DEPT OF WATER RESOURCES BENCH MARK DISC STAMPED: "313.6A 1971" CEMENTED IN THE TOP OF A 12"x12" CONCRETE BRIDGE SPAN, AS A REPLACEMENT FOR BM "315.5A BM 1968".

T. A. Pyle 12/14/71

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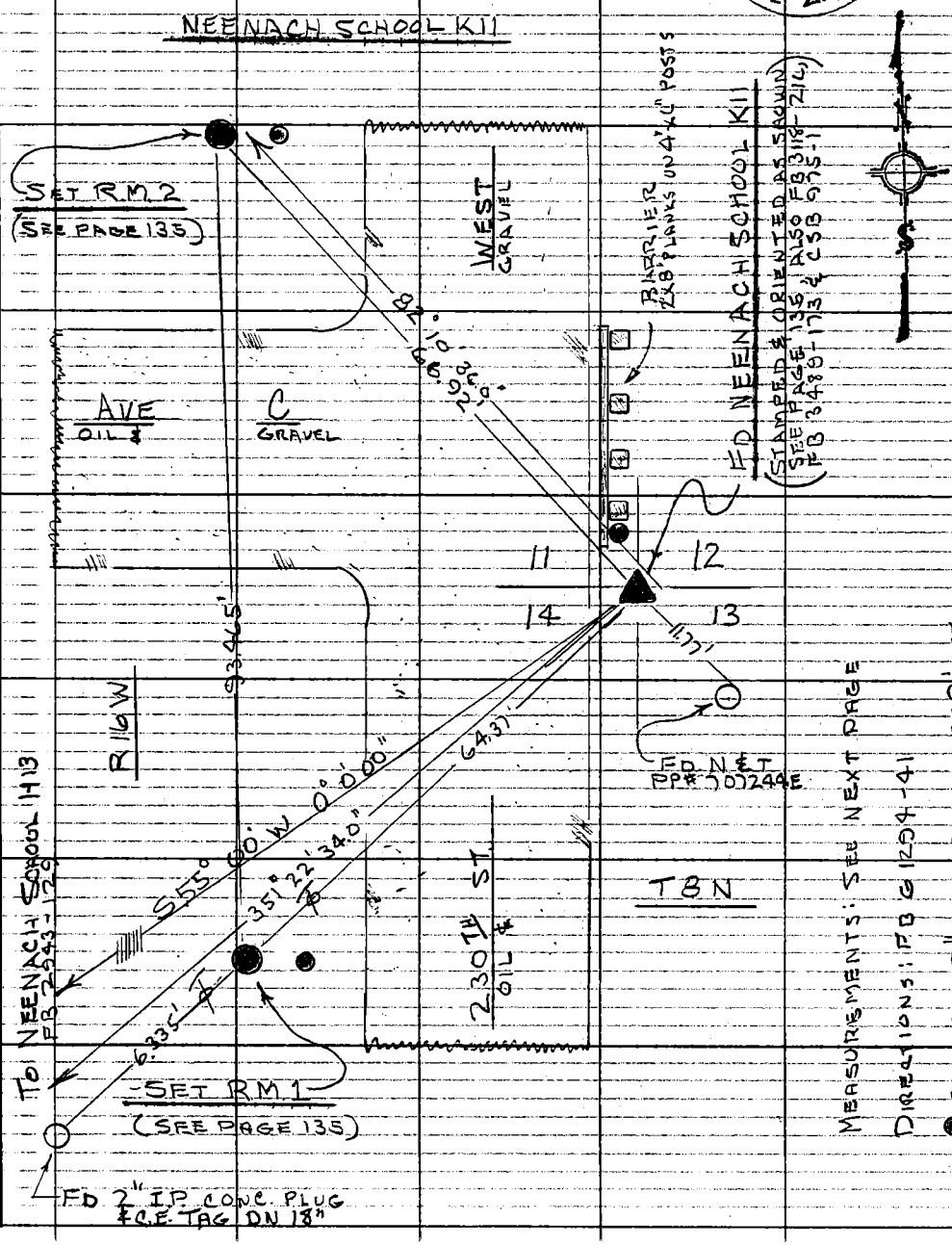
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C.A. PYLE Date 1-13-71
Date	Indexed G. J. GALLI APR 2 8 71

F. B. 2943 PG. 133

COUNTY SURVEYOR
T8N
R16W
11 12
14 13
R.E. 2177

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

NEENACH SCHOOL K11



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GEODETIC CONTROL

F. B. 2943 Pg. 134 — L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
NEENACH SCHOOL K11

50 METER # M4 — MEASUREMENTS — 300' # 221

LEVEL @

19.623 M =	19.620 M = 64.370	6.335 = 6.335'
20.400 M =	20.397 M = 66.919'	64.38 = 64.37'
28.496 M =	28.490 M = 93.471'	66.93 = 66.92'
		93.485 = 93.465

AREA: THIS TRAVERSE STATION IS IN THE N.W. PORTION OF L.A. CO. IN THE VICINITY OF THE OLD NEENACH SCHOOL, NEAR THE GORRINDO RANCH. IT IS A CORNER OF SECTIONS 11, 12, 14, 13, T8N, R16W. SEE USGS 7½' SHEET "NEENACH SCHOOL, CALIF." QUAD. 1965

ROUTE: FROM ITS INTER. WITH AVE D., (HWY 138) TRAVEL NLY. ON 230TH ST. WEST, 1.0 MILE TO AVE C AND THE STATION SITE.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.cc Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 1-13-71
Date	Indexed G. L. GARLI APR 28 71

F. B. 2943 PG. 135

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

NEENACH SCHOOL K11

STATION MARK

A 3" COUNTY SURVEYOR BRASS DISC, STAMPED: "11, 12, 14, 13, T.8N., R.16W., R.E. 21", SET IN A 6" CONC. CYL. 24" BELOW GRD. NO RECORD OF ANY SUB-SURFACE MARK HAVING BEEN SET.

REFERENCE MARKS

RM1: A 4" L.A. COUNTY SURVEY CONTROL SYSTEM BRASS REFERENCE MARK DISC STAMPED: "NEENACH SCHOOL K11 RM1 1971 RE 5869" SET IN A 8" CONC. POST, 2" ABOVE GRD. SET ON LINE TO A 2" I.P. WITH CONC. PLUG & C.E. TAG (REFERENCE POINT) 18" BELOW GRD. PER F.B. 3118-216

RM2: IDENTICAL TO RM1, EXCEPT STAMPED "RM 2" NOT ON LINE TO ANY OTHER POINT.

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

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 136

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

NEENACH SCHOOL K11

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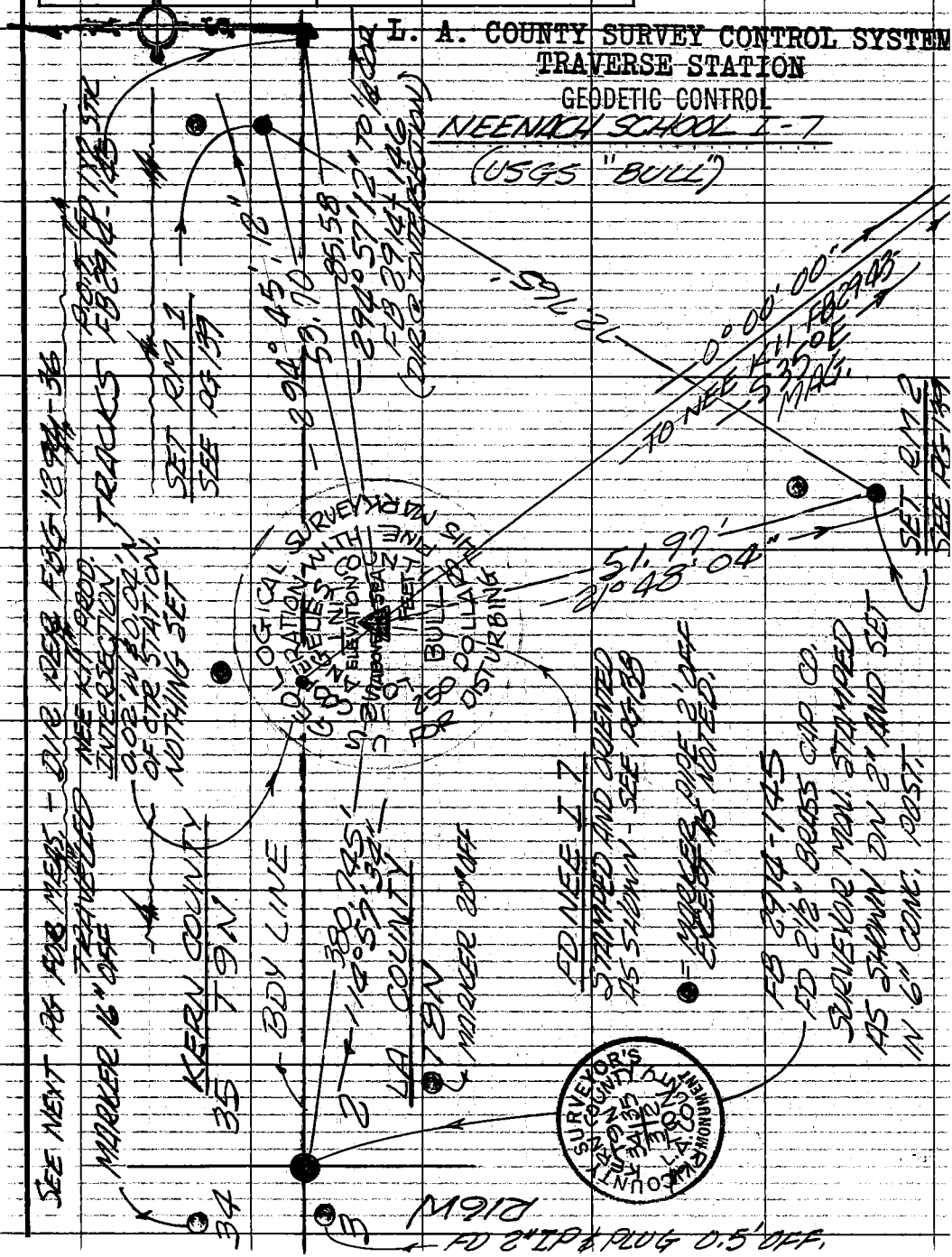
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.03 Tape Std °F
Office Work	Surveyed by WILSON
Checked	Notes WILSON Date 1-8-71
Date	Indexed S. J. GALLI APR 2 8 '71

F. B. 2943 PG. 137

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
GEODETIC CONTROL
NEENACH SCHOOL I-7
(USGS "BULL")



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76F309S CE#310 3-69

F. B. 2943 Pg. 138

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

NEENACH SCHOOL I 7

MEASUREMENTS

300' 221 TEMP. 44° 50 MTR M4

53.71' = 53.70' 16.369m = 16.366m = 53.69'

51.98' = 51.97' 15.843m = 15.840m = 51.97'

72.79' = 72.77' 22.184m = 22.178m = 72.76'

210.42' = 210.36' 170.435' = 170.385' = 380.745'

85.60' = 85.58'

AREA; THIS TRAV. STA. IS LOCATED IN THE N.W. PORTION OF L.A. COUNTY IN THE VICINITY OF HOLIDAY LAKE, 380'± E. OF THE NW. COR SEC 2, T8N, R16W, ALONG THE BDY LINE BETWEEN KERN & L.A. COUNTY. USGS 7½' NEENACH SCHOOL QUAD SHEET.

ROUTE: FROM THE INTERSECTION OF HWY 138 (AVE "D") AND 240 TH ST WEST - TRAVEL NORTH ON 240 TH ST 3.0 MILES TO L.A - KERN CO - LINE (AVE "A") - TURN RT (E) 380'± TO THE STA. ON THE RT.

STATION MARK:

A 4" U.S.G.S. IN COOPERATION WITH LOS ANGELES COUNTY BRASS DISC STAMPED "BULL UNIT" 10" ABOVE GRD. AND SET IN AN 8"x9" CONC. POST. NO RECORD OF SUB-SURFACE MARK BEING SET.

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Map No.
Office Work
Checked
Date

Survey of GEODETIC CONTROL
JN 00.00 Tape Std °F
Surveyed by R. C. Wilson
Notes R. C. Wilson Date 5-71
Indexed G. J. GALLI APR 28 71

F.B. 2943 Pg. 139

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
NEENACH SCHOOL I 7

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "NEENACH SCHOOL I7 RM 1 1971 RE 5869", AND SET IN AN 8" CONC. POST FLUSH WITH GRD.

RM 2: SAME AS RM 1, EXCEPT STAMPED "RM 2" AND 3" ABOVE GRD.

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

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76F309S CE#310 3-69

F. B. 2943 PG. 140

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FRENCH SCHOOL I-7

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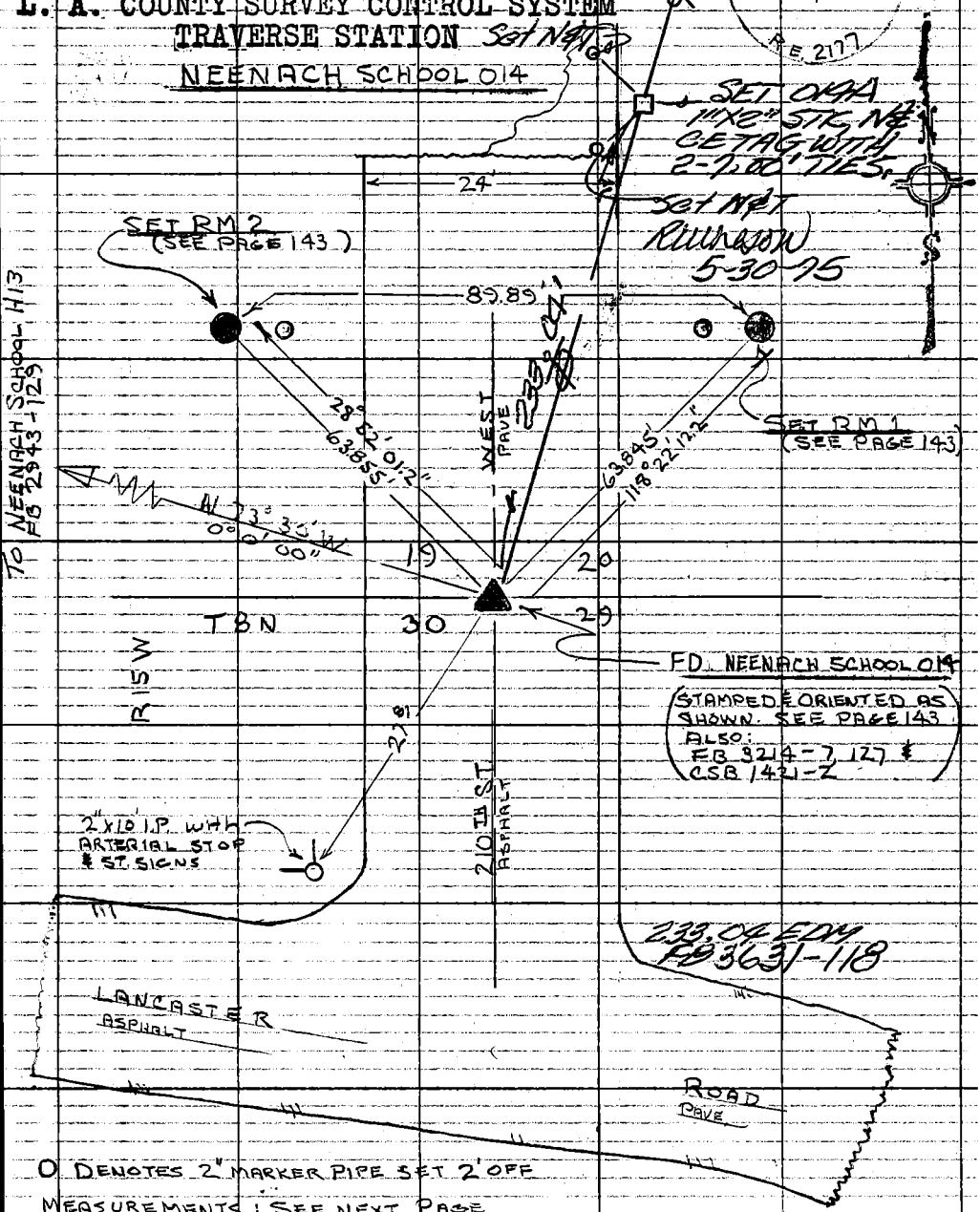
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by B. C. Wilson
Checked	Notes C. A. PYLE Date 2-23-70
Date	Indexed G. J. GALLI APR 28 71

F.B. 2943 PG. 141

TO FBUA7

COUNTY SURVEYOR R15W. T8N. 19 20 30 29 R.E. 2177

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION Set N&T
NEENACH SCHOOL 014



O DENOTES 2" MARKER PIPE SET 2' OFF

MEASUREMENTS: SEE NEXT PAGE

DIRECTIONS: PER F.B.G. 1294-44

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

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2993 Pg. 142

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

NEENACH SCHOOL 014

50 METER * M4 MEASUREMENTS 300' * 221

T - 52°

27.405 M. = 27.399 M @ 0°0' = 89.89' 89.91' @ 0°0' = 89.89'
19.465 M. = 19.462 M @ 0°0' = 63.852' 63.87' @ 0°0' = 63.86'
19.463 M. = 19.460 M @ 0°0' = 63.845' 63.855' @ 0°0' = 63.845'

AREA: THIS TRAVERSE STATION IS IN THE N.W. PORTION OF L.A. CO. IN THE VICINITY OF THE NEENACH POWER SUBSTATION. IT IS A CORNER OF SEC'S. 19, 20, 30, 29, T8N, R16W. SEE U.S.G.S. 7½' SHEET "NEENACH SCHOOL, CALIF" QUAD. 1965.

ROUTE: FROM THE NEENACH SUBSTATION AT 210TH ST. WEST & AVE. "D", TRAVEL SLY. ON 210TH ST. 1.0 MILE TO ITS INTER. WITH LANCASTER RD. AND THE SITE OF THE STATION.

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Notes Ck'd by	Survey of GEODETIC CONTROL F. B. 2943 PG. 143
Map No.	JN 030120 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 12-28-70
Date	Indexed L. GALLI APR 28 '71

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

NEENACH SCHOOL 014

STATION MARK

A 2½" BRASS COUNTY SURVEYOR DISC STAMPED "19,20,30,29, T8N, R15W. R.E. 2177" SET IN A 6" CONC. CYL., 6" BELOW GRD. ENCASED IN A CAST IRON CAP & WELL WHICH IS FLUSH WITH THE PAVEMENT SURFACE.

NO RECORD OF ANY SUBSURFACE MARK BEING SET.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REFERENCE MARK DISC STAMPED "NEENACH SCHOOL 014 RM 1 1970 RE 5869" SET IN A 8" CONC. POST, 3" ABOVE GRD.

RM 2: IDENTICAL TO RM 1, EXCEPT STAMPED "RM 2" IT IS 5" ABOVE GRD.

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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GEODETIC CONTROL

F. B. 2943 Pg. 144 L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
NEENACH SCHOOL 014

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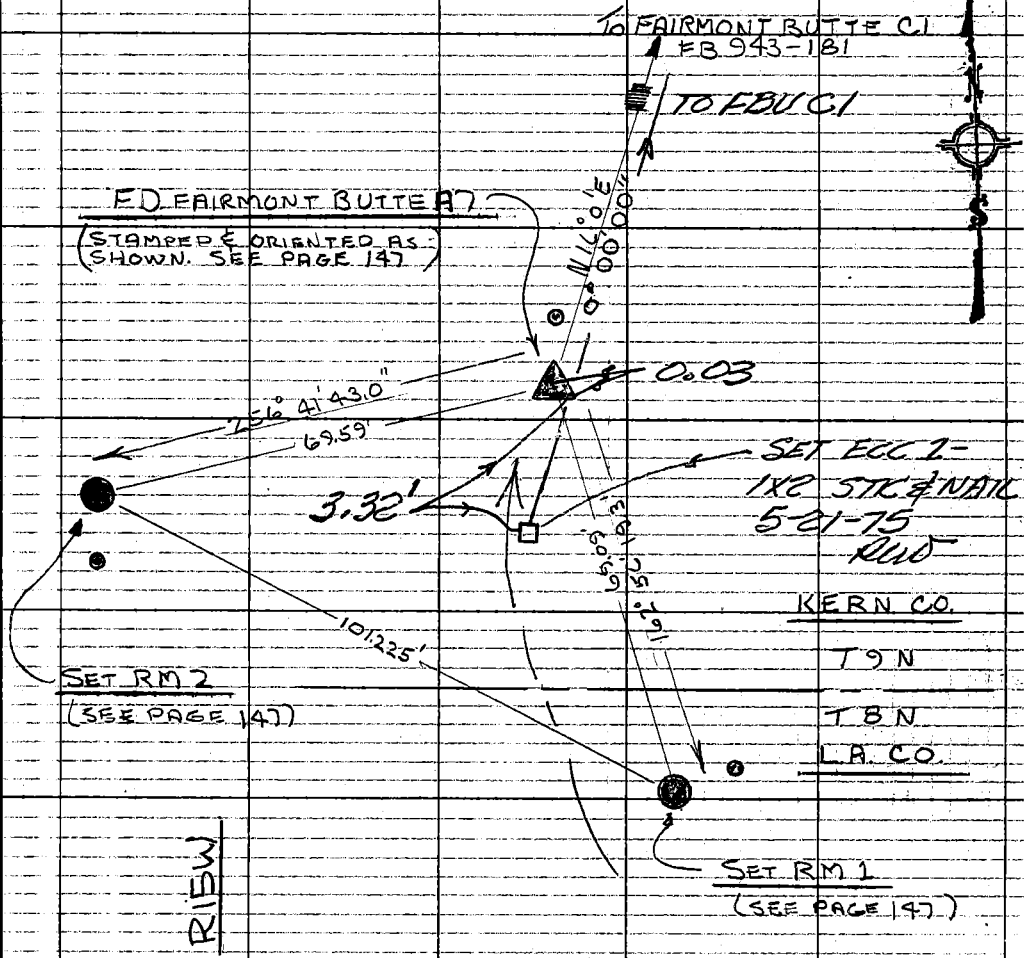
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 030100 Tape Std ' °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 1-6-71
Date	Indexed C. J. GALES APR 28 '71

F. B. 2943 PG. 145

U.S. GEOLOGICAL SURVEY
INCOOPERATION WITH LOS ANGELES COUNTY
INIT
ELEVATION
ABOVE SEA FEET
1929
GENERAL
250 DOLLARS FINE FOR DISTURBING THIS MARK

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE A7
(U.S.G.S. GENERAL)



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

Do not extend this side of this line.

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

⊙ DENOTES 2" MARKER PIPE SET 2' OFF

DIRECTIONS PER F8 G 1294 - 38

MEASUREMEMENTS; SEE NEXT PAGE

76F309S CE#310 3-69

GEODETIC CONTROL

F. B 2943 Pg. 146

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE A7

50 METER M4 MEASUREMENTS 300' #221

LEVEL @ T-52°

21.062 M =	21.059 M = 69.092'	69.10' =	69.09'
21.212 M =	21.209 M = 69.584'	69.60' =	69.59'
30.859 M =	30.853 M = 101.224'	101.25' =	101.23'

AREA: THIS TRAVERSE STATION IS IN S.W. KERN CO. IN THE VICINITY OF THE KERN CO./L.A. CO. BDRY LINE. IT IS 4025'± W. & 50'± N. OF THE S.E. COR. OF SEC. 32 T9N, R15W. SEE U.S.G.S. 7½' SHEET "FAIRMONT BUTTE, CALIF" QUAD. 1965

ROUTE: FROM ITS INTER. WITH AVE. "D" TRAVEL NLY ON 190TH ST. W. 3.0 MILES TO AVE "A" (COUNTY LINE) TURN LEFT (WLY.) AND PROCEED 1.75 MILES TO THE STATION SITE.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 030160 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C.A. PYLE Date 1-6-71
Date	Indexed L. J. GALLI APR 28 '71

F. B. 2943 Pg. 147

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE A7

STATION MARK:

A 4" U.S. GEOLOGICAL SURVEY IN COOPERATION WITH L.A. COUNTY BRASS DISC STAMPED "GENERAL 1929 LINT". SET IN AN 8"X8" CONCRETE PAD, 8" ABOVE GRD.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REFERENCE MARK DISC. STAMPED "FAIRMONT BUTTE A7 RM 1 1971 RE 5869" SET IN AN 8" CONCRETE POST, 2" ABOVE GRD.

RM 2: IDENTICAL TO RM. 1 EXCEPT STAMPED "RM 2" IT IS FLUSH WITH GRD.

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

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 148

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE A7

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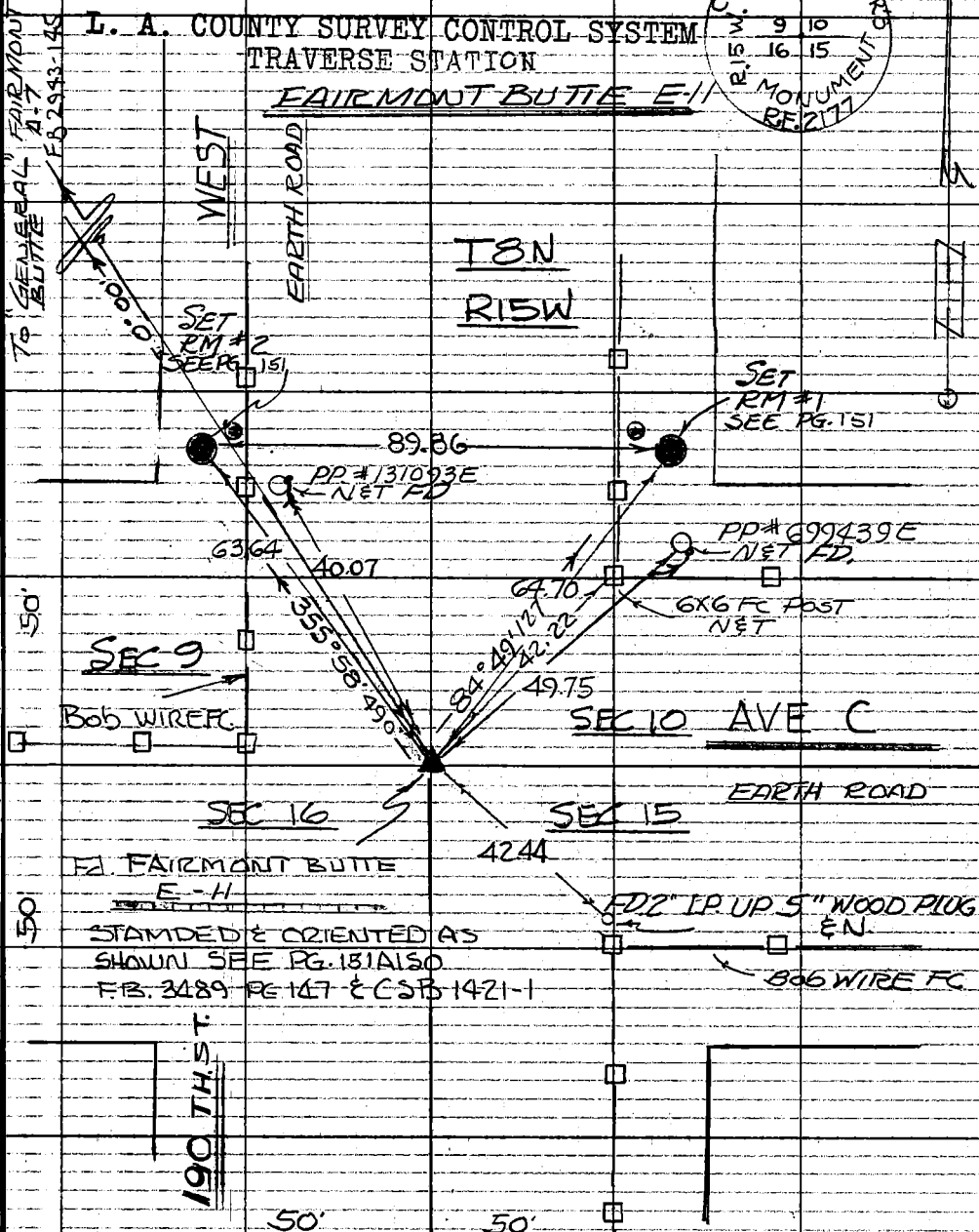
✓ description written

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes MARTINEZ Date 12-28-70
Date	Indexed [illegible] GALLI APR 28 '71

F.B. 2943 PG. 149

CONTY SURVEYOR'S MONUMENT R.F. 2177 — T.8 N. R.15 W. 9 10 16 15

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE E-11



O DENOTE 2" MARKER PIPE 2' OFF

MEASUREMENTS SEE NEXT PG.

DIRECTIONS PER FBG 1294-30

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

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76F309S CE#310 3-69

F. B. 2943 Pg. 150

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
GEODETIC CONTROL

50 METER * M4 MEASUREMENTS 300' * 221

T = 48°

19.727 M = 19.724 M	@ 0°0' = 64.70'	64.71 @ 0°0" = 64.70	
27.395 M = 27.389	@ 0°0" = 89.859	89.88 @ 0°0" = 89.86'	
19.400 M = 19.397	@ 0°0" = 63.638'	63.65 @ 0°0" = 63.64	

AREA THIS TRAVERSE STATION IS IN THE N.W PORTION OF LA. CO. IN THE VICINTY OF SCOTTS HORSE RANCH IT IS A COR OF SEC'S. 9, 10, 15, 16, T8N R15W. SEE USGS 7½ SHEET "FAIRMONT BUTTE CALIF" QUAD 1965

ROUTE FROM THE SCOTTS HORSE RANCH TRAVEL W. LY 0.3 MILES ON AVE C TO THE INTERSECTION OF 190TH W. THIS THE SITE OF THE STATION

ALT: FROM ITS INTERSECTION WITH HWY 138 (AVE D) TRAVEL NORTH ON 190TH ST WEST 1.0 MILE TO AVE "C" AND THE STA.

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Notes Ck'd by	Survey of GEODETIC CONTROL F.B. 2943 Pg. 151
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes MARTINEZ Date 12-28-70
Date	Indexed E. J. GALLI APR 28 71

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE E-11

STATION MARKS

A 2½" BRASS COUNTY SURVEYOR DISC STAMPED 9/10 16/15 T.8N. R.15W RE. 2177" SET IN A 6" CONC. POST 8" BELOW GRN. NO RECORD OF ANY SUBSURFACE MARK BEING SET.

REFERENCE MARKS

RM 1. A 4" LACO SUB. CONT. SYS BRASS REFERENCE MARK DISC STAMPED "FAIRMONT BUTTE E11 RM 1 1970 RE. 5869" SET IN A 8" CONC. POST FLUSH WITH GR.

REFERENCE MARK #2

IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2" AND IS 5" ABOVE GR.

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 COUNTY OF LOS ANGELES DEPARTMENT OF COUNTY ENGINEER 403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309s CE#3103-69

F. B. 2943 Pg. 152

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE E 11

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 Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 12-29-70
Date	Indexed G. J. GALLI APR 28 '71

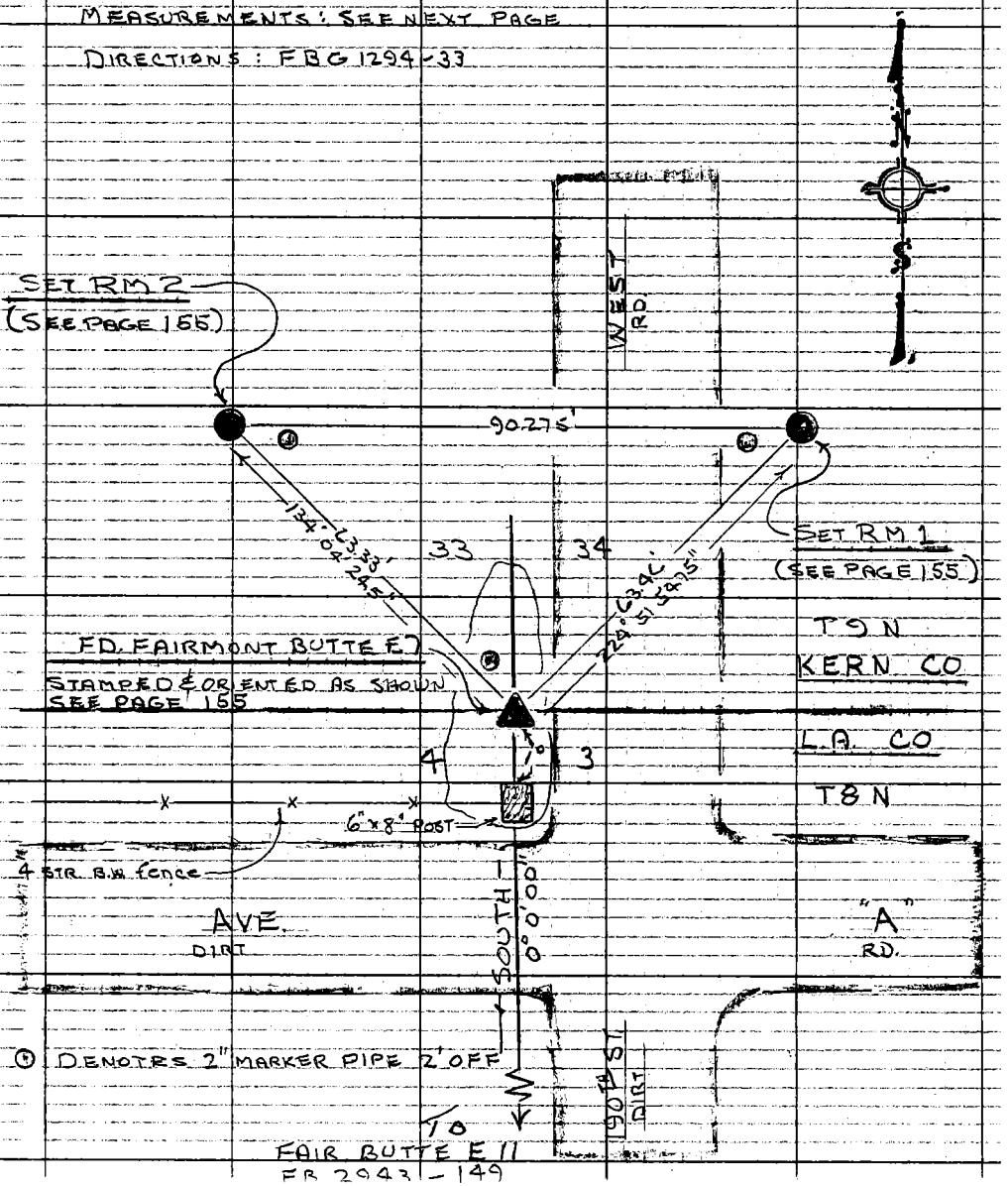
F. B. 2943 PG. 153

U.S. GENERAL LAND OFFICE SURVEY
PENALTY $250 FOR REMOVAL
T9N R15W
S33 S34
S4 S3
T8N
1934

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE E7

MEASUREMENTS: SEE NEXT PAGE

DIRECTIONS: FBG 1294-33



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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 154

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE E7

50 METER #M4 MEASUREMENTS 300' #221

T-54°

19.364M = 19.343M @ 0°0' = 63.46'	63.47' @ 0°0' = 63.46'
19.305M = 19.302M @ 0°0' = 63.33	63.34 @ 0°0 = 63.33'
27.524M = 27.518M @ 0°0' = 90.28'	90.29' @ 0°0' = 90.27'

AREA: THIS TRAVERSE STATION IS IN N.W. PORTION OF L.A. CO., IN THE VICINITY OF SCOTT'S HORSE RANCH. IT IS A CORNER OF SECS. 33, 34, 4, 3 ON TOWNSHIP LINE SEPARATING T9N & T8N., R15W

SEE U.S.G.S. 7½' SHEET "FAIRMONT BUTTE, CALIF" QUAD. 1965.

ROUTE: FROM ITS INTER WITH AVE. "D" TRAVEL NLY. ON 190TH ST. WEST 3.0 MILES TO AVE "A", WHICH IS ON THE LINE BETWEEN L.A. & KERN COUNTIES. THE STATION SITE IS AT THE INTER. OF 190TH ST. W & AVE. "A".

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 12-29-70
Date	Indexed R. T. GALLI APR 28 '71

F. B. 2943 PG. 155

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE E7

STATION MARK

9 1/2" BRASS U.S. GENERAL LAND OFFICE DISC STAMPED: "S33, S34, S4, S3, T9N, R15W, T8N, 1934". SET ON A 1 3/4" IRON PIPE 2" ABOVE GRD.

REFERENCE MARKS

RM 1: A 4" L.A.CO. SUR. CONT. SYS. BRASS REFERENCE MARK DISC, STAMPED "FAIRMONT BUTTE E7 RM 1 1970 RE 5869". SET IN AN 8' CONCRETE POST 3" ABOVE GRD.

RM 2 IDENTICAL TO RM 1, EXCEPT STAMPED "RM 2" IT IS 1" ABOVE GRD.

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

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76F309s CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 156

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE E7

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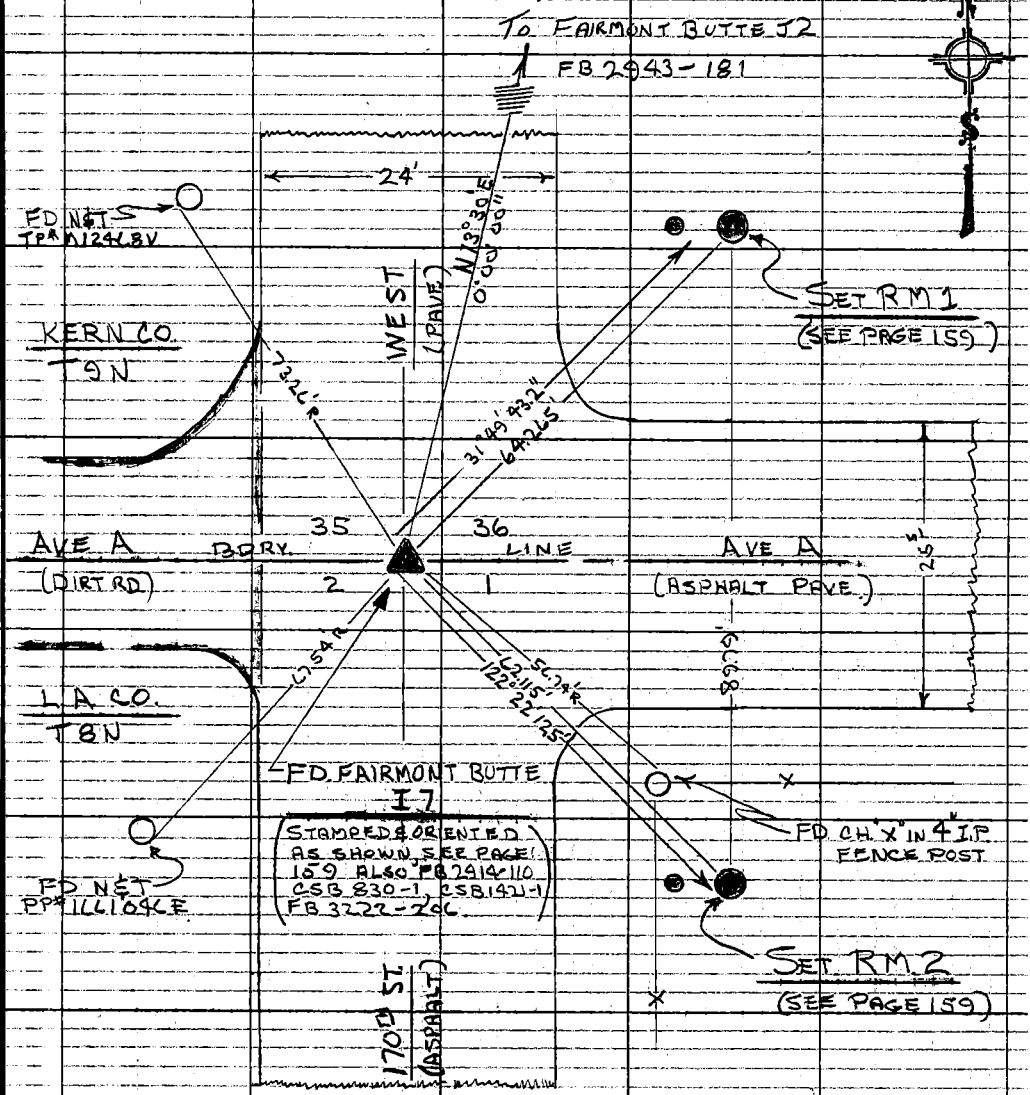
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. APYLE Date 12-31-70
Date	Indexed R. J. GALLI APR 28 '71

F. B. 2943 PG. 157

COUNTY ENGINEER T.9N. 35 36 2 1 R.14W. T.8N. R.E. 5869

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE I7



● DENOTES 2" MARKER PIPE SET 2' OFF

MEASUREMENTS: SEE NEXT PAGE

DIRECTIONS: FBG 1294-45

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

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2443 PG. 159

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE 17

50 MTR. * M4 MEASUREMENTS 300' TAPE * 221

T-C5°

19.591 M = 19.588 M @ 0°0' = C4.215'
18.937 M = 18.934 M @ 0°0' = C2.119'
27.372 M = 27.369 M @ 0°0' = 89.793'

C4.21' @ 0°0' = C4.20'
C2.125' @ 0°5' = C2.115'
89.80' @ 0°0' = 89.79'

AREA. THIS TRAVERSE STATION IS IN THE N.W. PORTION OF LOS ANGELES COUNTY, ON THE L.A./KERN CO. BDRY. LINE IT IS A CORNER OF SECTIONS 35, 36, 2, 1, ON TWSP. LINE SEPARATING T9N & T8N, R15W. SEE U.S.C.S. 7½ SHEET FAIRMONT BUTTE, CALIF. QUAD. 1965.

ROUTE: FROM ITS INTER. WITH AVE "D", TRAVEL NLY. 3.0 MILES ON 170TH ST. WEST TO AVE "A" (COUNTY LINE) AND THE STATION SITE.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN030100 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes O.A. PYLE Date 12-31-76
Date	Indexed [redacted] GALLI APR 28 '77

F.B. 2943 PG. 159

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE I7

STATION MARK:

A 2½" BRASS COUNTY ENGINEER DISC, STAMPED: "35, 36, 2, 1, T9N, T8N, R15W. R.E. 5869" SET 8" BELOW GRD. IN A WELL WHICH IS FLUSH WITH THE PAVEMENT SURFACE. NO RECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS:

RM 1 A 4" BRASS L.A. CO. SUR. CONT. SYS. REF. MARK DISC STAMPED "FAIRMONT BUTTE I7, RM 1, 1970, RE 5869" SET IN AN 8" CONC. POST, 2" ABOVE GRD.

RM 2 IDENTICAL TO RM 1, EXCEPT STAMPED: "RM 2". IT IS 4" ABOVE GRD.

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 COUNTY OF LOS ANGELES DEPARTMENT OF COUNTY ENGINEER 403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 160

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE 17

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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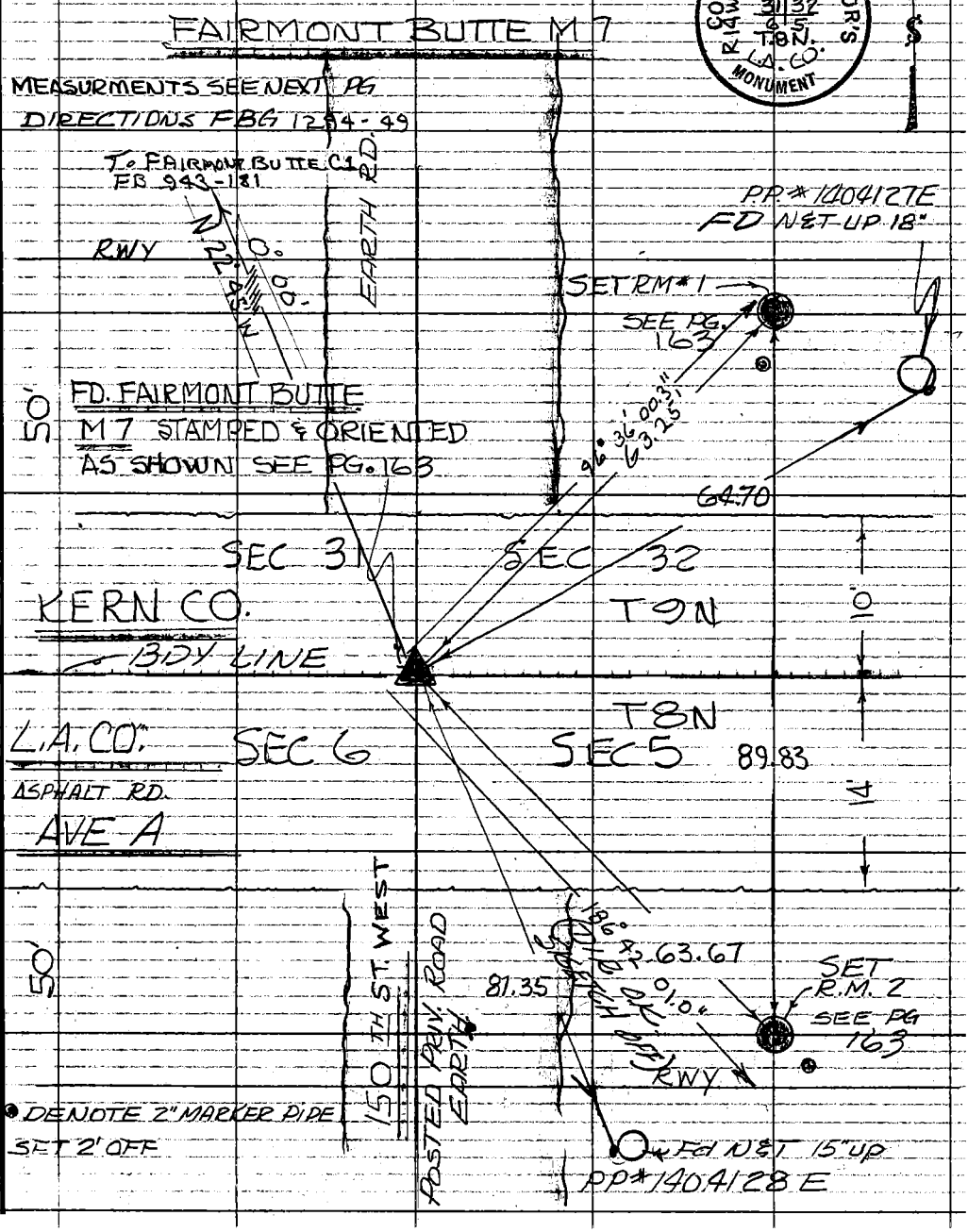
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes MARTINEZ Date 12-31-70
Date	Indexed L. J. GALLI APR 28 '71

F. B. 2943 PG. 161

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION



COUNTY SURVEYOR'S MONUMENT
R14W. KERN CO. T9N. 31 32 6 5 T8N. L.A. CO.

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

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 162

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE M7

T = 54°

50 METER # M4 MEASUREMENT 300' # 221

T = 54°

27.387M = 27.381M @ 0°00' = 89.831 89.85 @ 0°00' = 89.83

19.280 M = 19.277M @ 0°00' = 63.254 63.26 @ 0°00' = 63.25

19.411 M = 19.409M @ 0°00' = 63.676 63.68 @ 0°00' = 63.67

AREA

THIS TRAVERSE STATION IS IN THE N.W. PORTION OF L.A. COUNTY ON THE COUNTY BDY. IT IS A COR. OF SEC'S 31 32, 6, AND 5, T 9 N. & T 8 N., THE BOUNDRY LINE BETWEEN KERN CO. & L.A. COUNTY

ROUTE

FROM THE INTERSECTION OF HWY 138 AND 150TH TRAVEL N. 4 MILES. TO THE INTER. OF AVE A & 150TH AT THIS INTERSECTION IS THE STATION.

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Notes Ck'd by	Survey of GEODETIC CONTROL		F. B. 2943 Pg. 163
Map No:	JN 030.00 Tape	Std	°F
Office Work	Surveyed by R. C. Wilson		
Checked	Notes MARTINEZ	Date 12-4-70	
Date	Indexed D. GALLI	APR 28 '71	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE M 7

STATION MARK

A 2½" BRASS COUNTY SURVEYOR'S DISC STAMPED 31 32 6 5 T.9N. KERN CO. R.14W. L.A. CO. T.8N." SET IN 6' CONC. POST 8" BELOW GRN. ENCASED IN A CAST IRON CAP & WELL THAT IS FLUSH WITH PAVEMENT SURFACE. NO RECORD OF ANY SUBSURFACE MARK BEING SET.

REFERENCE MARK

RM 1 A 4" L.A. CO. SUR. CONT. SYS BRASS REFERENCE MARK DISC. STAMPED "FAIRMONT BUTTE M 7, RM 1 1970 RE 5869" SET IN A 8" CONC. POST 4" ABOVE GRD.

RM 2 IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2" AND IS 3" ABOVE GRD.

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.

76F309s CE#310 3-69

F. B. 2943 PG. 164

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE M-7

PLEASE RETURN TO
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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301-00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 12-30-70
Date	Indexed S. J. GALLI APR 28 '71

F. B. 2943 PG. 165

COUNTY SURVEYOR'S MONUMENT T.8N. R.14W. 8 9 17 16

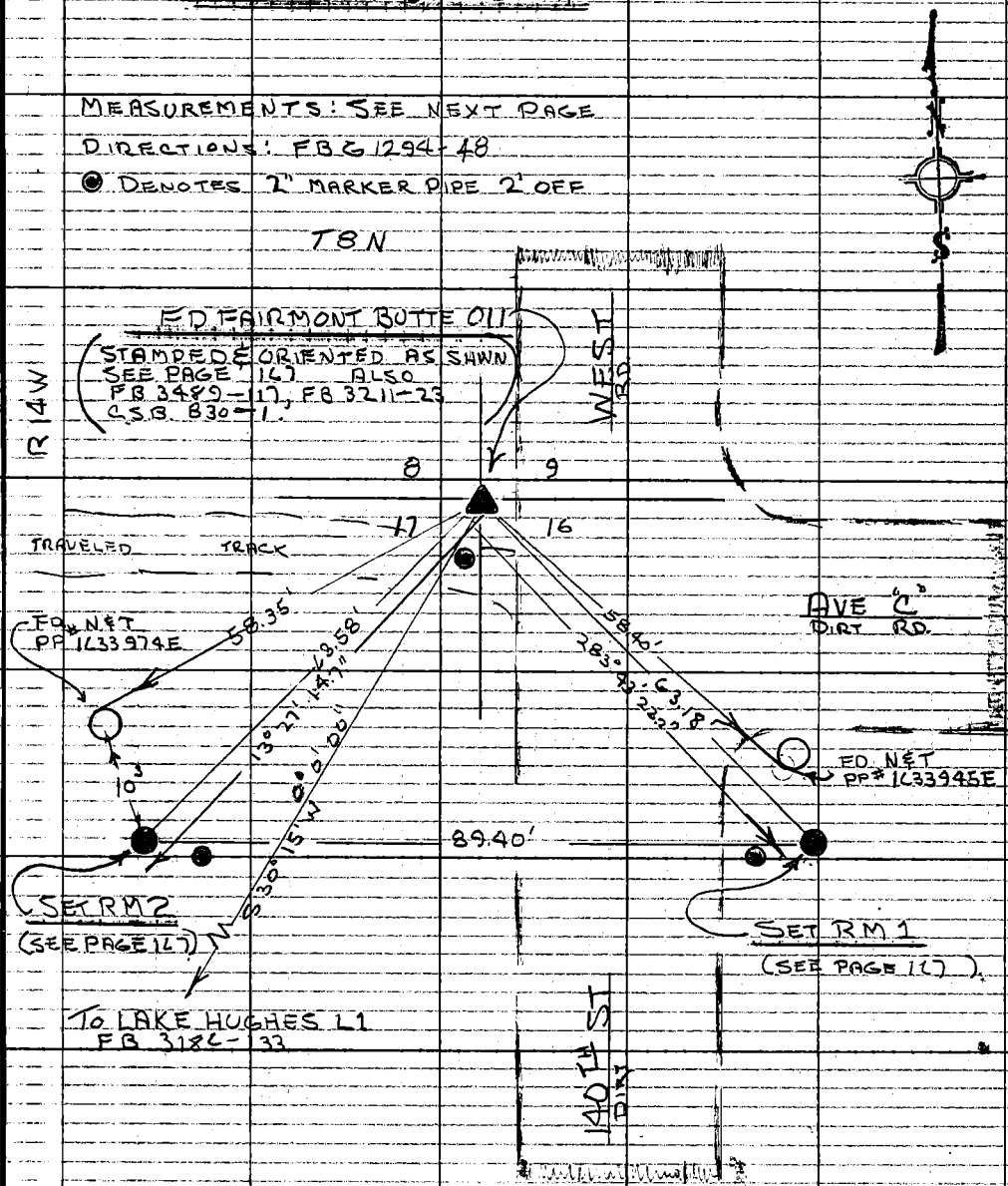
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE 011

MEASUREMENTS: SEE NEXT PAGE

DIRECTIONS: FB G 1294-48

● DENOTES 2" MARKER PIPE 2' OFF



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 COUNTY OF LOS ANGELES DEPARTMENT OF COUNTY ENGINEER 403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

GEODETIC CONTROL

F. B 2943 PG. 166

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE 011

50 MTR. # M4 | MEASUREMENTS | 300' # 221

T - 52°

19.260 M =	19.257 M @ 0°0' = 63.18'	63.19' @ 0°0' = 63.18'
19.381 M =	19.378 M @ 0°0' = 63.575'	63.59' @ 0°0' = 63.58'
27.256 M =	27.250 M @ 0°0' = 89.40'	89.42' @ 0°0' = 89.40

AREA: THIS TRAVERSE STATION IS IN THE N.W. PORTION OF L.A.CO. IN THE VICINITY OF FAIRMONT BUTTE. IT IS A CORNER OF SECTIONS 5, 9, 17, 16, T8N, R14W,. SEE U.S.G.S. 7½' SHEET "FAIRMONT BUTTE, CALIF." QUAD. 1945.

ROUTE: FROM ITS INTER. WITH AVE "D", TRAVEL NLY. ON 140TH ST. WEST 1.0 MILE TO THE INTER. OF 140TH ST. & AVE "C" AT THE STATION SITE.

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

Do not extend this side of this line.

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No:	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 12-30-70
Date	Indexed R. C. GALLI APR 2 8 71

F. B. 2943 PG. 167

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE 011

STATION MARK

A 2½" BRASS COUNTY SURVEYOR'S DISC, STAMPED "8, 9, 15, D, T.8N., R.14W." SET IN A 6" CONC. CYL., 18" BELOW GRD.
NO RECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR CONT SYS. BRASS REFERENCE MARK DISC, STAMPED "FAIRMONT BUTTE 011 RM 1 1970 RE 5869", SET IN AN 8" CONC. POST, 3" ABOVE GRD.

RM 2: IDENTICAL TO RM 1, EXCEPT STAMPED "RM 2"

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

Do not extend this side of this line.

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

76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 168

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE 011

PLEASE RETURN TO
COUNTY OF LOS ANGELES
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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 Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes MARTINEZ Date 1-5-71
Date	Indexed J. GALLI APR 2 8 '71

F.B. 2943 PG. 169

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE I 12

COUNTY ENGINEER T.8N. R.15W. 14 13 1/4 COR F. 5869

MEASUREMENTS SEE NEXT PG.

DIRECTIONS F.B.G. 1294-47

(50) (50)

WEST

RWY

SET RM 2 SEE PG. 171

FD. FAIRMONT BUTTE I 12 STAMPED & ORIENTED FD. NGT AS SHOWN SEE PG. 171 T.P. NO NUMBER

63.53

(40)

89.57

20.00

44.67

10'±

FD. MON. SEE PG. 171

AVE

(40)

C-8

62.92

79.51

SET RM 1 SEE PG. 171

EARTH RD.

RWY

● DENOTE 2" MARKER PIPE 2' OFF

FD. NGT INTP * M 12544 V

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 F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 170

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE I 12

T=40°

50 METER * M4 MEASUREMENT 300' * 221

19.186 M = 19.180 M @ 0°00' = 62.92 62.94' @ 0°00' = 62.92'

27.308 M = 27.299 M @ 0°00' = 89.56 89.59' @ 0°00' = 89.56'

19.371 M = 19365 M @ 0°00' = 63.53' 63.55' @ 0°00' = 63.53'

20.00' @ 0°00' = 20.00'

AREA

THIS TRAVERSE STATION IS IN THE N.W. PORTION OF LA CO. IN VICINITY OF FAIRMONT BUTTE IT IS A 1/4 COR OF SEC'S 14 & 13 R15W. T.8N. SEE U.S.G.S. 7½ SHEET FAIRMONT BUTTE CALIF QUAD 1965

ROUTE

FROM HWY 138 AND AVE 170TH ST WEST TRAVEL N. 1.8 MILES ON 170TH THIS IS THE INTERSECTION OF 170TH ST W. & AVE. C-8 THERE 70' FROM THE W. EDGE OF ROAD IS THE STATION

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Notes Ck'd by	Survey of GEODETIC CONTROL F. B. 2913 Pg. 171
Map No.	JN Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes E. MARTINEZ Date
Date	Indexed B. J. GALLU APR 28 71

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE I-12

STATION MARK

A 2½" BRASS COUNTY ENGINEER DISC STAMPED "T.8.N. 14 13 1/4 Cor. R.15W. RE5869" SET IN A 6" CONC POST 6" BELOW GRN. NO RECORD OF ANY SUBSURFACE MARK BEING SET

REFERENCE MARK

RM. I-4" LACO SUR. CONT SYS BRASS REFERENCE MARK DISC. STAMPED FAIRMONT BUTTE I-12 RM I 1971 RE5869 SET IN A 6" CONC POST FLUSH WITH GR

REFERENCE MARK #2

IDENTICAL TO RM I EXCEPT STAMPED "RM 2" AND IS 3" ABOVE GRN.

OTHER MARK A 3" PIPE CAP, NO STAMPING, SET FLUSH IN A 12" X 12" CONCRETE PAD THAT IS FLUSH WITH GRD.

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7/6F309s CE#3103-69

F. B. 2943 Pg. 172

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT RITE I 12

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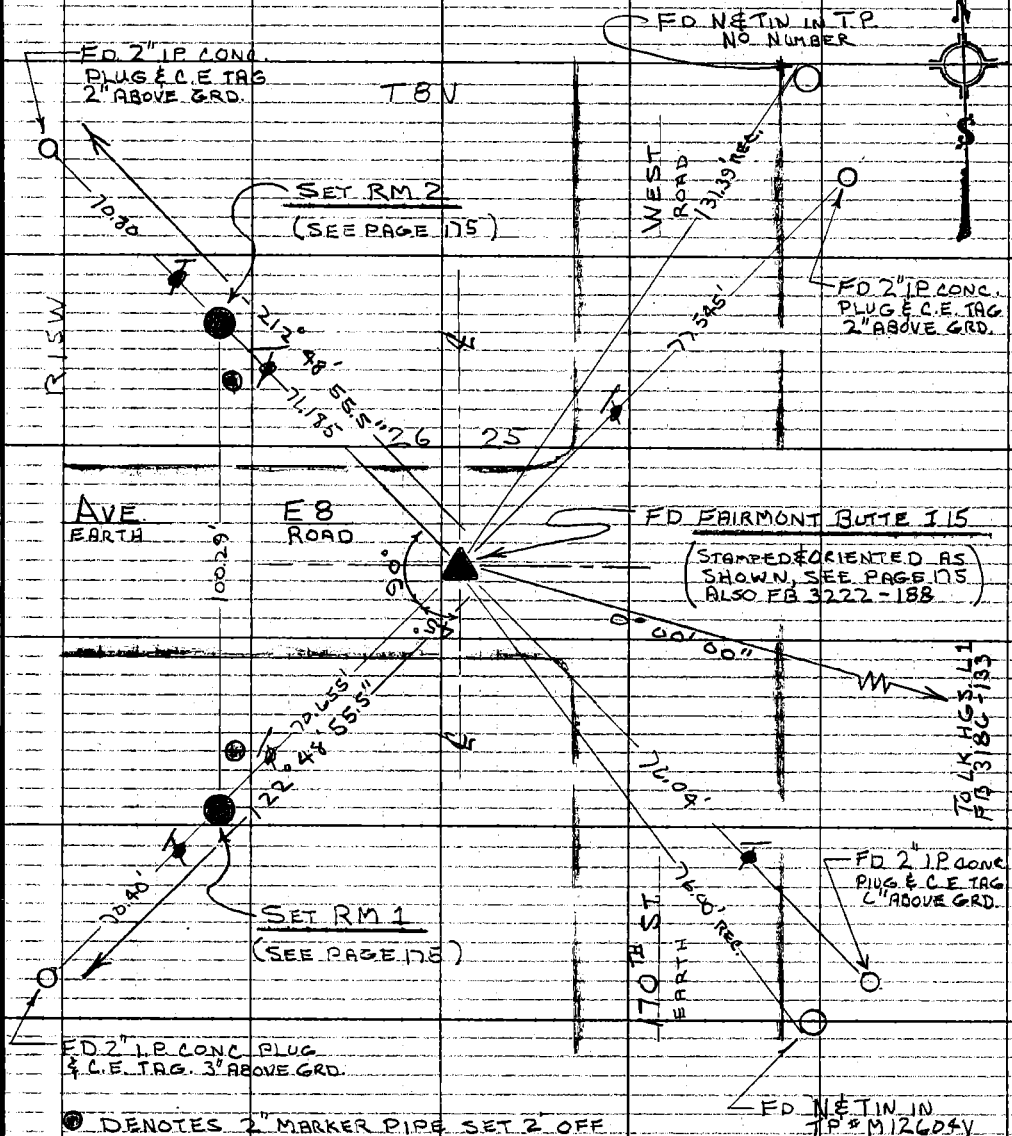
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C.A. PYLE Date 1-11-71
Date	Indexed G.J. GALLI APR 28 '71

F.B. 2943 PG. 173

COUNTY ENGINEER T8N. R.15W. 26 25 1/4 COR. R.E. 5869

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE I 15



● DENOTES 2" MARKER PIPE SET 2' OFF

MEASUREMENTS: SEE NEXT PAGE

DIRECTIONS: FB G 1350-20

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 174

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE I 15

50 METER # M4 MEASUREMENTS 300' # Z04

LEVEL @ 64°

			77.55' = 77.54'
21.537 M =	21.534 M =	70.66'	70.66' = 70.65'
21.698 M =	21.695 M =	71.179'	71.20' = 71.19'
30.571 M =	30.568 M =	100.289'	100.305' = 100.295'
			70.41 = 70.40
			70.81' = 70.80
			76.045' = 76.035'

AREA: THIS TRAVERSE STATION IS IN THE NW PORTION OF L.A. COUNTY, IN THE VICINITY OF FAIRMONT BUTTE, ADJACENT TO BROAD CANYON. IT IS A ¼ SECTION CORNER BETWEEN SECTIONS 24 & 25, T8N, R15W. SEE U.S.G.S. 7½' SHEET "FAIRMONT BUTTE, CALIF." QUAD. 1965

ROUTE: FROM ITS INTER. WITH AVE "D" (HWY 138) TRAVEL SLY. ON 170TH ST. WEST 1.5 MILES TO AVE E8 AND THE STATION SITE.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 023006 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C.A.Pyle Date 1-11-71
Date	Indexed C. L. GALLI APR 2-8 '71

F. B. 2943 Pg. 175

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FAIRMONT BUTTE I 15

STATION MARK:

A 2½" COUNTY ENGINEER BRASS DISC, STAMPED: "2C 25 1/4 COR T.8N. R.15W. R.E. 5869", SET IN A C" CONCRETE POST, 10" BELOW GRD.

REFERENCE MARKS:

RM 1 A 4" L.A. CO. SURVEY CONTROL SYSTEM BRASS REFERENCE MARK DISC, STAMPED "FAIRMONT BUTTE I 15 RM 1 1971 RE 5869". SET IN AN 8" CONCRETE POST, 3" ABOVE GRD.

RM 2 IDENTICAL TO RM 1, EXCEPT STAMPED "RM 2"

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

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 176 L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FAIRMONT BUTTE 115

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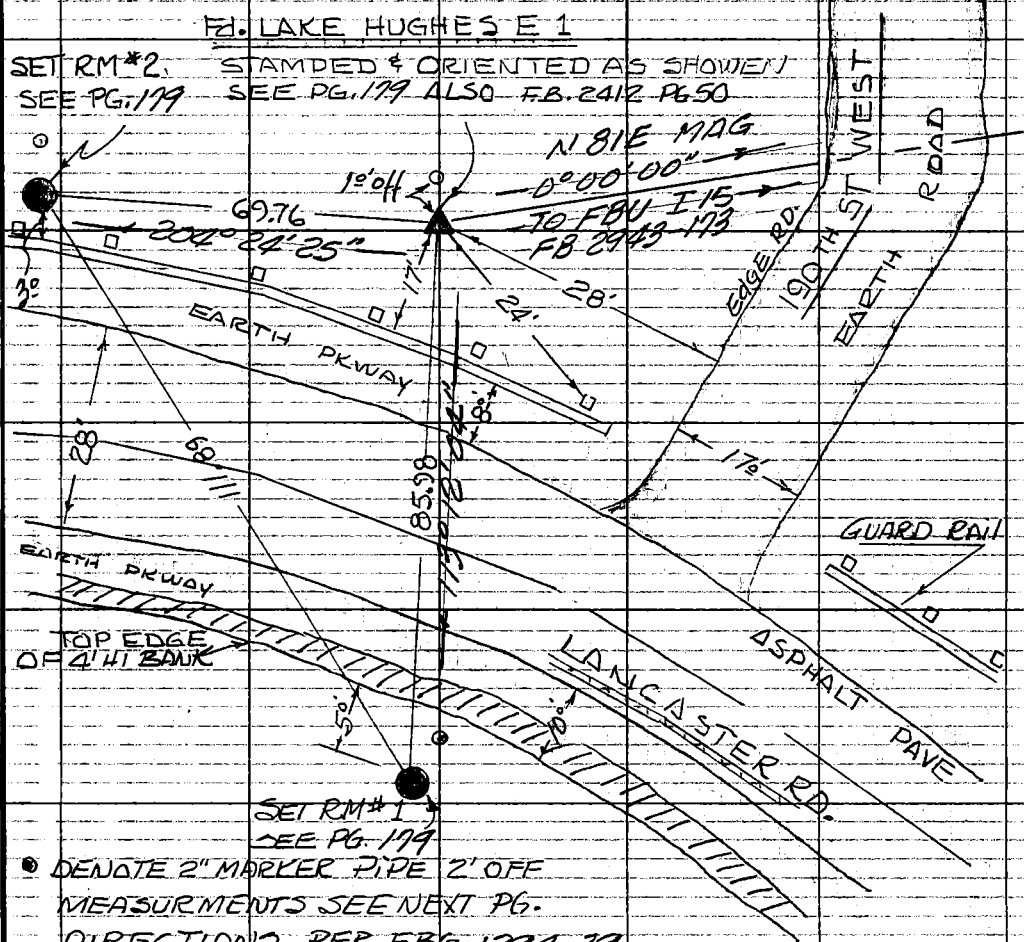
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work PAW	Surveyed by R. C. Wilson
Checked	Notes MARTINEZ Date 1-11-71
Date	Indexed G. J. GALLI APR 28 '71

F. B. 2943 PG. 177

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LAKE HUGHES E 1

COUNTY ENGINEER
B.M. 102-46
1957
R. E. 5869



● DENOTE 2" MARKER PIPE 2' OFF
MEASURMENTS SEE NEXT PG.
DIRECTIONS PER FBG. 1294-39

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

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76F309S CE#310 3-69

~~GEODETIC CONTROL~~

F. B. 2943 PG. 178 L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

LAKE HUGHES E 1

50 METER M#4 MEASUREMENTS 300# 221

LEVEL @ 50°F

21.268 M = 21.262 M @ 0°00' = 69.758	69.78 @ 0°00' = 69.76
26.213 M = 26.207 M @ 0°00' = 85.981	86.00 @ 0°00' = 85.98
34.111 M = 34.105 M @ 0°00' = 111.89	111.91 @ 0°00' = 111.89

AREA

THIS TRAVERSE STATION IS IN THE N.W. PORTION OF L.A.CO. IN THE VICINTY OF FAIRMONT BUTTE WHERE LANCASTER RD. BECOMES A LARGE 90° CURVE AND INTERSECTS WITH 190TH ST W.. FROM THIS INTESECTION 40' ± TO THE N.N.W IS THE MON.

ROUTE

STA. NEAR THE INTERSECTION OF AVE E 15 WHICH IS POSTED LANCASTER RD. AND 190TH ST. WEST.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes MARTINEZ Date
Date	Indexed G. D. GALLI APR 2-8-71

F. B. 2943 PG. 179

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LAKE HUGHES E 1

STATION MARK:

A 2½ COUNTY ENGINEER BRASS DISC WITH BUTTON IN THE CENTER STAMPED "BM 102-46 1957 RE 5869" SET IN A CONC PAD 12"X12" 2" ABOVE GRN.

REFERENCE MARK

RM #1; A 4" L.A.CO. SURVEY CONTROL SYSTEM BRASS REFERENCE MARK DISC. STAMPED "LAKE HUGHES E 1 1970 RE 5869 RM 1" FLUSH WITH GRD. AND SET IN 8" CONC. POST.

RM #2

IDENTICAL TO RM #1 EXCEPT STAMPED RM #2 & UP 3".

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 180

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LAKE HUGHES E 1

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 03/100 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 1-18-71
Date	Indexed G. L. GALLI APR 28 '71

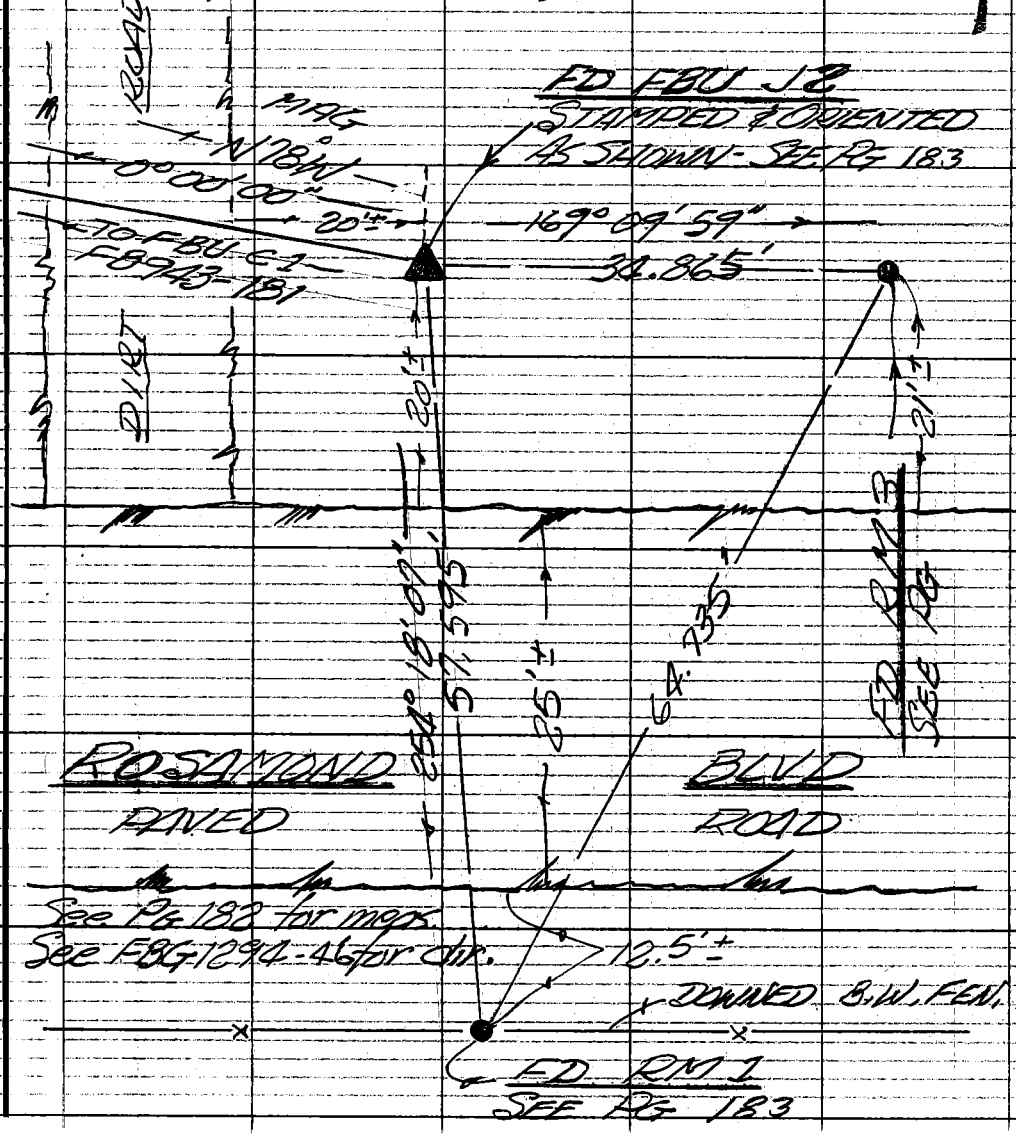
F. B. 2943 PG. 181

U.S. COAST & GEODETIC SURVEY
TRIANGULATION STATION
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C.
$250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK
THUMB
1969

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FAIRMONT BUTTE J2
(USC&GS 341181-1059)



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76F309S CE#310 3-69

F. B. 2943 PG 182

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FAIRMONT BUTTE J2

MEASUREMENTS

300' # 221	LEVEL @ 90° T	50 MTR M4
57.595' = 57.595'	17.556m = 17.556m =	57.60'
34.86' = 34.86'	10.627m = 10.627m =	34.87'
64.735' = 64.735'	19.732m = 19.732m =	64.74'

AREA: THIS TRIANG. STA. IS LOCATED IN THE SOUTH PORTION OF KERN CO. THREE MILES NORTH OF THE L.A. - KERN CO. BDRY., 0.75 MILE EAST OF 170TH ST. WEST & 35' ± N. OF ROSAMOND BLVD.

ROUTE: FROM 14 INTER. WITH HWY 138 (AVE "D") TRAVEL NORTH ON 170TH ST WEST 6 MILES TO ROSAMOND BLVD; THENCE EAST ON ROSAMOND BLVD 0.75 MILE TO THE STA. ON THE LEFT.

STATION MARK: A 4" U.S.C. & G.S. BRASS TRIANG. DISC STAMPED "THUMB 1959" 6" ABOVE GRD AND SET IN 18"X18" CONC. DAD. NO RECORD OF SUB-SURFACE MARK BEING SET.

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GEODETIC CONTROL

F. B. 2943 Pg. 183

Notes Ck'd by	Survey of JAN 1971 Tape Std °F
Map No.	Surveyed by R. C. Wilson
Office Work	Notes R. C. Wilson Date 4-1971
Checked	Indexed A. J. GALLI APR 28 1971
Date	

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GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

FAIRMONT BUTTE 12

REFERENCE MARKS:

RM 1: A 4" USC&GS BRASS REF. MARK DISC STAMPED "THUMB NO 1 1959" UP 6" AND SET IN 10"X10" CONC. PAD.

RM 2: RESTAMPED NO3 (SEE BELOW)

RM 3: A 4" U.S.C.&G.S. BRASS REF MARK DISC STAMPED "THUMB NO #3 19~~5~~61" UP 6" AND SET IN 10" X10" CONC. PAD, LEANING TOWARD THE CTR STA.

76F309S CE#310 3-69

F. B. 2945 Pg. 184

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FAIRMONT BUTTE J2

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Profile	Notes Red	Plotted	Job No.	Division No.	F.B. 2943 Pg. 185
No.	Date	Date	Survey of		
X-Sec.	Notes Chkd.	Checked	Survey by RCW	Notes RCW	Date 1-19-71
No.	Date	Date	Map No.	Indexed G. J. GALLI	Date APR 28 '71

GEODETIC CONTROL

ELEVATION ON

NEENACH SCHOOL

~~[illegible]~~ H-13

JN0301.00

1-19-71

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

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	
BM 102-58B	3 024	2974 114		2971 090	HWY 138 400'E 245 ST WEST NE COR CAL AQUEDUCT-NEENACH BRIDGE NO 532047-SET IN TOP OF CONC. BRIDGE RAIL, 21' W OF EAST END OF NORTH RAIL CDWR BENCH MARK DISC BM 315.5A 1968. FB 3725-134
NEE H 13	3 208	2973 880	3 442	2970 672	A 2½" L.A.C.E. BRASS DISC STAMPED "~~[illegible]~~ NEENACH SCHOOL H13 1971 RE 5869" IN EAST END OF SOUTH BRIDGE RAIL. FB 2943-16
BM 102-58B			2 789	2970 091	EL= 2971.090 SEE LINE 1.

F. B. 2943 Pg. 186 Job No. 0301 Division No. 11 Notes Red. Plotted Profile
Survey of Geodetic Control Date 1-19-71 Date No.
Survey by RLW Notes RLW Notes Chkd. Checked X-Sec.
Indexed G. L. GALLI Date Date Date No.

Profile	Notes Red	Plotted	Job No. 0301.00	Division No. 11	F.B. 2943	PG. 187
No.	Date	Date	Survey of Geodetic Control			
X-Sec.	Notes Chkd.	Checked	Survey by WILSON	Notes BARNETT	Date 17 NOV. 71	
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date MAY 10 '72	

LEVEL RUN

BM # 208-5 to LA LIEBRE

RANCH E15

GEODETIC CONTROL

JN 0301.00

11-17-71

BARNETT π

COCKERHAM φ

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

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	
BM# 208-5				100 00	ASSUMED ELEV.
⊼	11 05	111 05			
TP			0 74	110 31	
⊼	8 34	118 65			
BM LLR E-15			2 16	116 49	FB 2943-109
⊼	6 45	122 94			
BM RM#1			1 23	121 71	FB 2943-109
⊼	1 27	122 98			
BM RM#2			9 83	113 15	FB 2943-109
⊼	0 75	113 90			
TP			11 97	101 93	
⊼	3 81	105 74			
BM# 208-5			5 73	100 01	

F. B. 2943 PG. 188 Job No. 3911.00 Division No. 11 Notes Red Plotted Profile
Survey of Geodetic Control Date Date No.
Survey by R.W. Notes BARNETT Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

Notes Ck'd by	Survey of GEODETIC CONTROL F.B. 2943 Pg. 189
Map No.	JN 0301.00 Tape Std. °F
Office Work	Surveyed by RCWILSON
Checked	Notes RCW Date 11-71
Date	Indexed C. J. GALLI NOV 10 '72

GEODETIC CONTROL

TIE TO LAKE HUGHES STUDY NET

NOV 19 - 29, 1971

JN 0301.00

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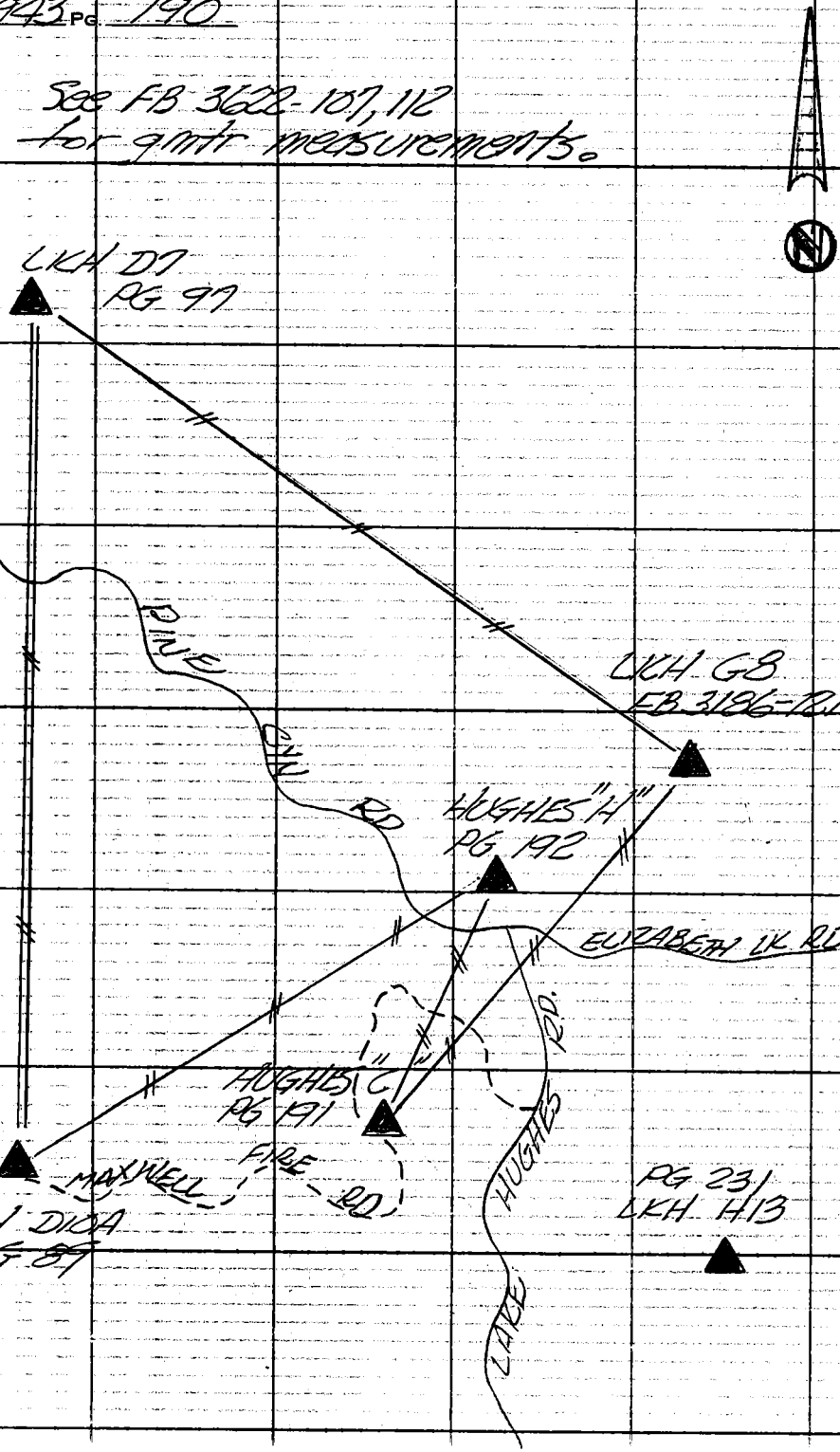
Wilson
Pyle "
Barnett "
Fisher "
Martinez "
Elorick "
Cockerham "

76F309S CE#310 3-69

F. B. 2943 Pg. 190

See FB 3622-107, 112
for gmtr measurements.



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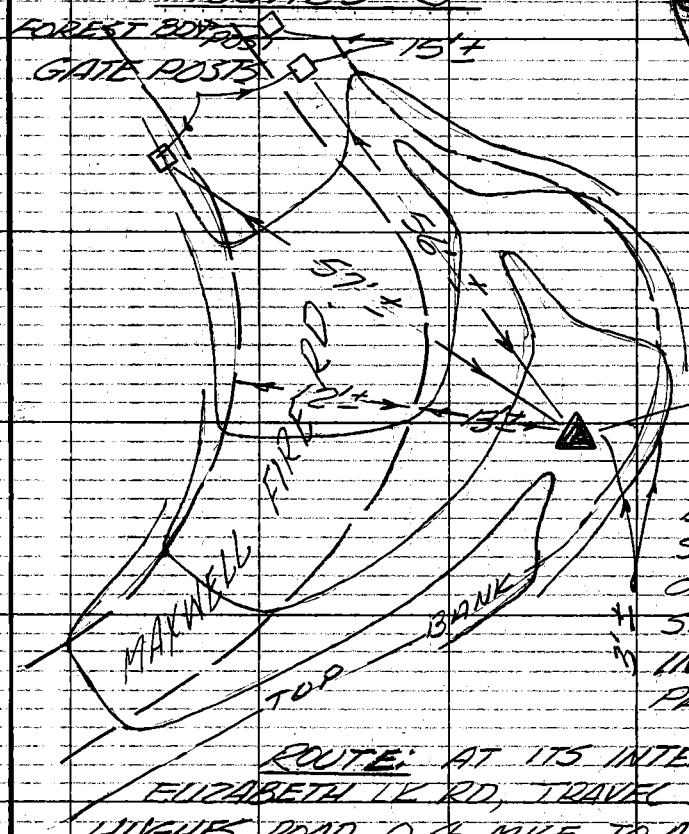
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 11-19-71
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 PG. 191

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

HUGHES "C"



FD
HUGHES "C"
4" USC&GS BRASS TRI DISC STAMPED AND ORIENTED AS SHOWN SET FLUSH IN 14"X14" CONC. PAD.

ROUTE: AT ITS INTERSECTION WITH ELIZABETH LK RD, TRAVEL SOUTH ON LAKE HUGHES ROAD 0.4 MILE TO A DIRT ROAD ON THE RT, 20'± N. OF ENTRANCE DRIVE TO HOUSE: TURN RT (WLY) 0.1 MILE AND PASS GATE POSTS; CONTINUE WLY 0.2 MILE, THENCE SLY UPGRADE 0.2 MILE TO FOREST BDY POST, GATE POSTS, AND THE STATION ON THE LFT AT WIDEST POINT OF THE ROAD. 4' WOOD STAND IS OVER THE STATION. NO REF. MARKS FOUND. NO RECORD OF SUB-SURFACE MARK.

U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION
TO THE DIRECTOR, WASHINGTON, D.C. FOR INFORMATION WRITE FOR DISTURBING THIS MARK. $250 FINE OR IMPRISONMENT
HUGHES C
1964

LKH F-10

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S CE#310 3-69

F. B. 2943 Pg. 192 ✓

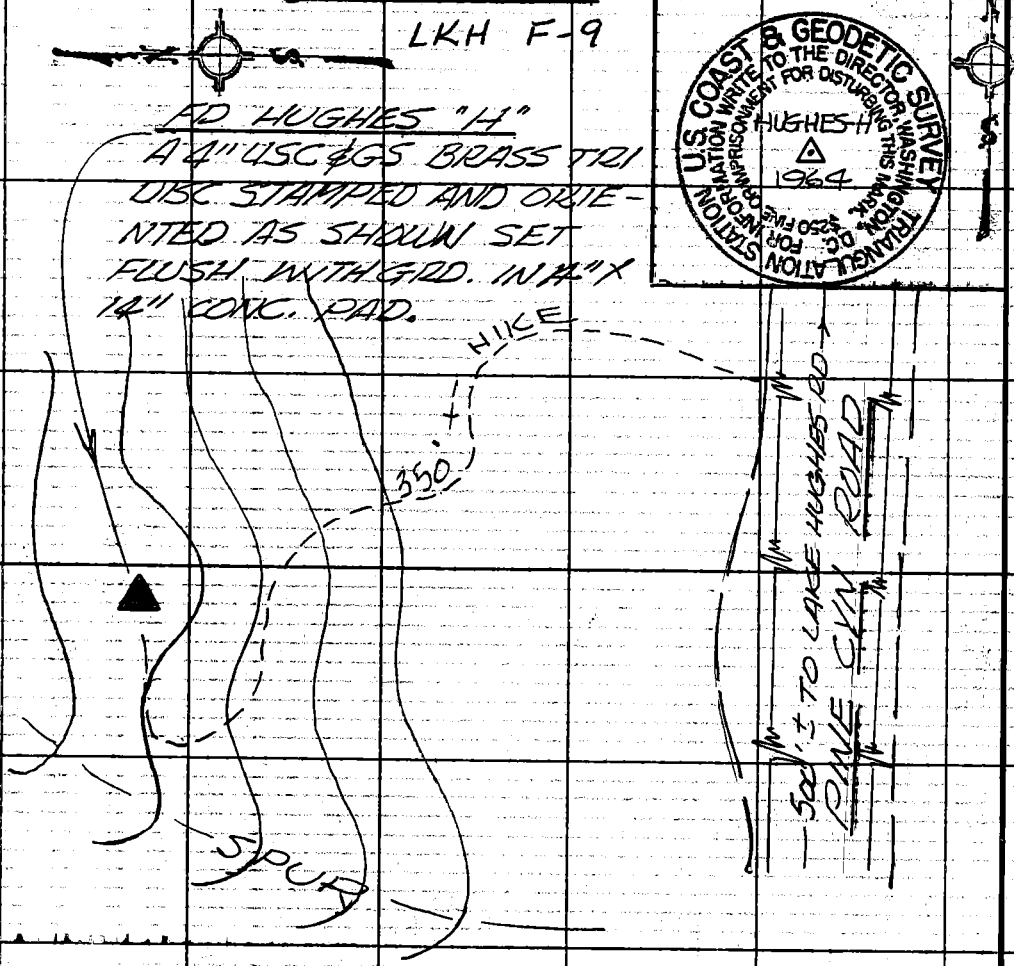
GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION *

HUGHES "H" MARK, ORIENTED NORTH.

LKH F-9

AD HUGHES "H"
A 4" USC&GS BRASS TRI
DISC STAMPED AND ORIE-
NTED AS SHOWN SET
FLUSH WITH GRD. IN A "X"
14" CONC. PAD.



ROUTE: FROM ITS INTERSECTION WITH LAKE HUGHES ROAD TRAVEL WLY ON PINE CYN RD 500'± AND PARK. HIKE UP HILL ON RIGHT, NLY & NWLY, 350'± TO THE STATION, ON THE SIDEHILL. NO REF MARKS FD. NO RECORD OF SUB-SURFACE MARK.

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Profile No. | Notes Red | Plotted | Job No. | Division No. | F.B. 2943 PG. 193

X-Sec. No. | Notes Chkd. | Checked | Survey of | Survey by C.A.PYLE Notes C.A.PYLE Date 12-14-71

Date | Date | Map No. | Indexed C. J. GALLI Date NOV 10 72

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

GEODETIC CONTROL

ELEVATION DIFF'S AT

NEENACH SCHOOL H13

(SEE PG 129)

JN 030100

12-14-71

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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F.B. 2943 PG. 194 Job No. Division No. Notes Red Plotted Profile
Survey of GEODETIC CONTROL Date 12-14-71 Date No. X-Sec.
Survey by C.A. PYLE Notes C.A. PYLE Notes Chkd. Checked No.
Indexed C.J. GALLI Date Date Date

STATION	B.S.	H.I.	F.S.	ELEV.	
B.M.-D.W.R.	2.597	102.597		ASSUMED 100.000	HWY 138, 400'E OF 245TH WEST, NE COR CAL AQUEDUCT - NEENACH BRIDGE NO 53-2047 SET IN TOP OF CONC BRIDGE RAIL, 2' WEST OF EAST END OF THE NORTH RAIL. C.D.W.R. BENCH MARK DISC "313 6A 1971".
NEE. SCH. H13			3.048	99.549	A 2½" L.A.C.E. BRASS DISC STAMPED "NEENACH SCHOOL H13 1971 RE 5869" IN EAST END OF SOUTH BRIDGE RAIL FB 2943-129
NEE. SCH. H13A	3.969	102.529	4.037	98.560	A SQ. HD. SPK & TIN SET FLUSH IN PAVE. ON HWY 138 ON INTER. OF SEC. LINE 15/16 R1W, T8N & LINE TAN. BETWEEN NEE. SCH. H13 & NEE SCH. K11 FB 3022-99
NEE SCH. H13			2.979	99.550	SEE LINE 8
B.M.-D.W.R.			2.531	99.998	EL = 100.00 SEE LINE 1

Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2943 Pg. 195
Map No.	JN 0301.04 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes C. A Pyle Date 4/14/72	
Date	Indexed C. J. GALLI MW 10 72	

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GEODETIC CONTROL

LANCASTER AREA

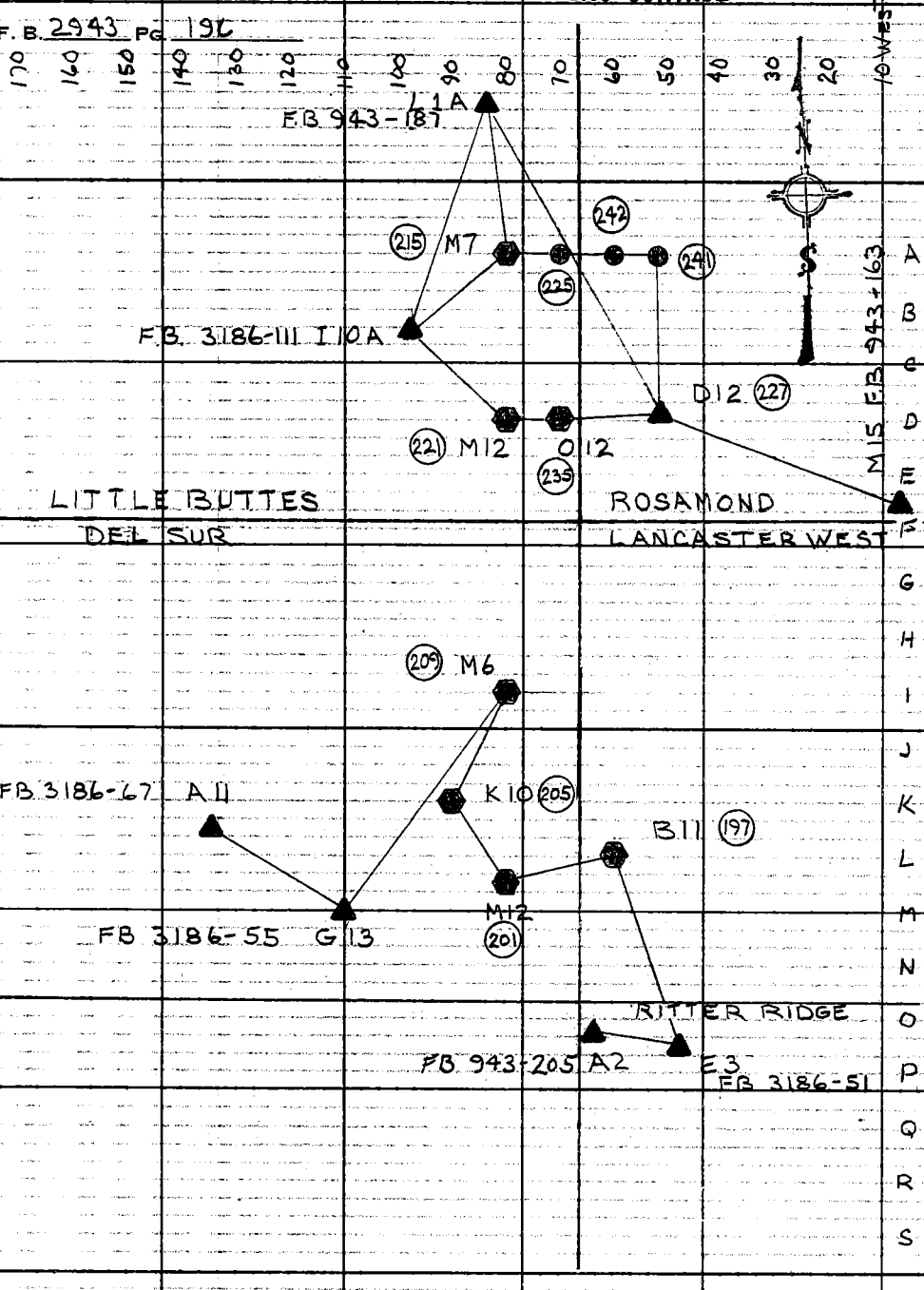
DEC. 1971 —— APRIL 1972

WILSON
PYLE T
BARNETT H.C.
MARTINEZ H.C.
FISHER H.C.
FLOREK H.C.

76F309s CE#310 3-69

GEODETIC CONTROL

F. B. 2943 PG. 196



▲ — TRIANGULATION STA.

⬢ — TRAVERSE STA.

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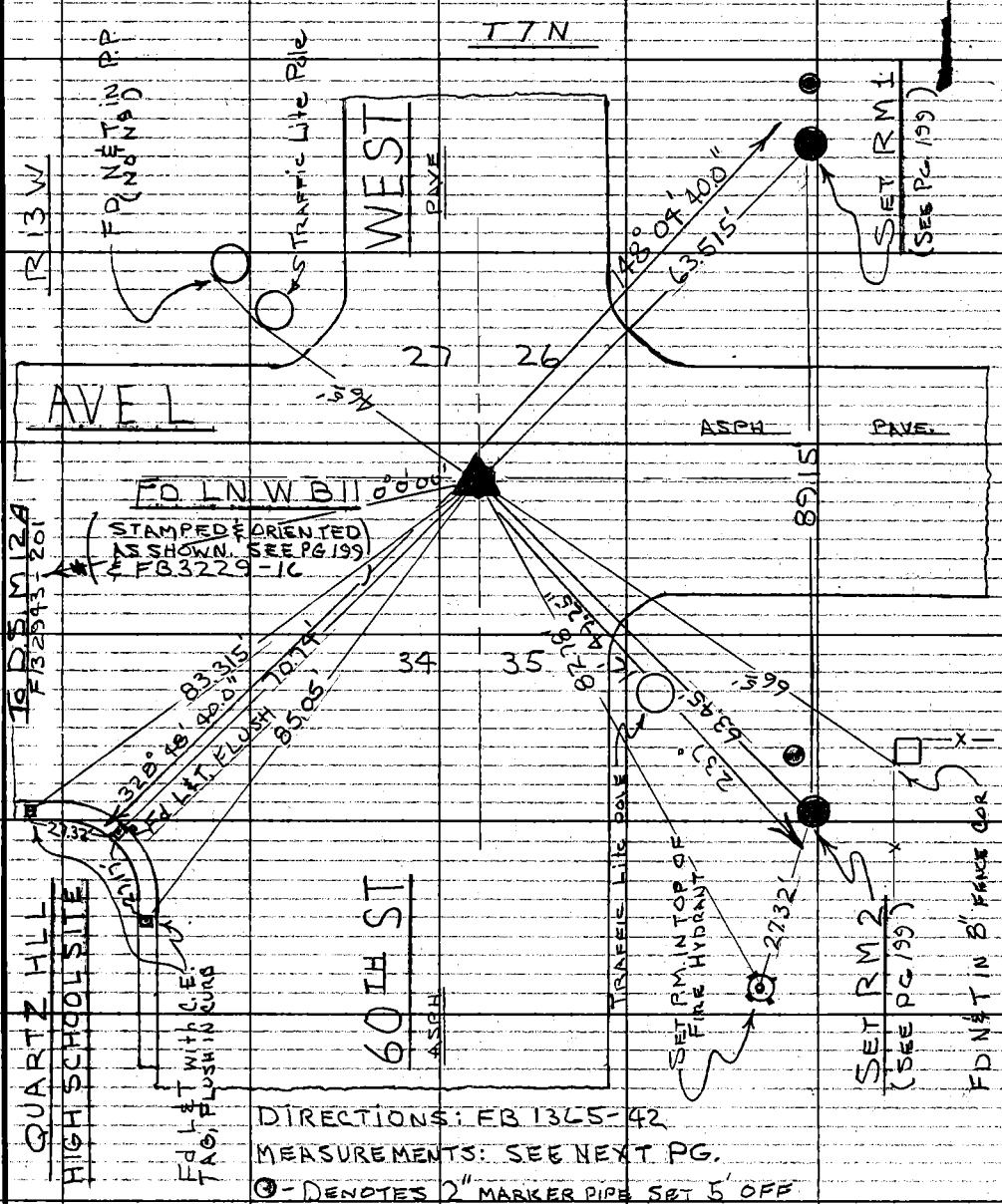
Map No.	JN 0301.00 Tape Std °F
Office Work PRW	Surveyed by R. C. Wilson
Checked	Notes C.A. PYLE Date 12-17-71
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 PG. 197

COUNTY SURVEYORS MONUMENT R.13W. T7N 27 26 34 35 1922

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LANCASTER WEST B11



DIRECTIONS: FB 1365-42

MEASUREMENTS: SEE NEXT PG.

⊙ - DENOTES 2" MARKER PIPE SET 5' OFF

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76F309S CE#310 3-69

F. B. 2943 Pg. 198

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER WEST B 11

50 MTR # MG MEASUREMENTS 300' TAPE # 221

LEVEL @ 40°

19.357 M = 19.351 M = 63.52'	63.53' = 63.51'
19.345 M = 19.339 M = 63.45'	63.47' = 63.45'
27.178 M = 27.172 M = 89.15'	89.15' = 89.15'
	85.335' = 85.315'
	70.76' = 70.74'
	85.07' = 85.05'
	82.86' = 82.78'
	27.13' = 27.12'
	27.33' = 27.32'
	27.18' = 27.17'

AREA: THIS TRAVERSE STA. IS IN N.W.L.A. CO. IN THE VICINITY OF QUARTZ HILL. IT IS ADJACENT TO THE "QUARTZ HILL HIGH SCHOOL". IT IS A COR OF SEC'S: 27, 26, 34, 35, T7N, R13W. SEE U.S.G.S. 7½' SHEET "LANCASTER WEST, CALIF." QUAD, 1958.

ROUTE: FROM THE "MIRALOMA DETENTION FACILITY" AT 60TH ST WEST & AVE L, TRAVEL SLY ON 60TH ST W., 3.0 MILES TO AVE L AND THE STATION SITE.

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Notes Ck'd by	Survey of GEOD. CONT.
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 12-17-71
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 PG. 199

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER WEST B11

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT BRASS DISC, STAMPED "27 26 34 35 T 7 N. R 13 W. 1922" SET FLUSH IN A 6" CONC POST, WHICH IS IN A MON. WELL 30" BELOW PAVEMENT SURFACE

REFERENCE MARKS:

RM 1: A 4" LA CO. SUR. CONT. SYS. BRASS REFERENCE MARK DISC STAMPED "LANCASTER WEST B11 RM 1 1971 RE 7078". SET FLUSH IN AN 8" CONC. POST WHICH IS 3" ABOVE GRD.

RM 2: IDENTICAL TO RM 1, EXCEPT STAMPED "RM 2". IT IS 1" ABOVE GRD.

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76F309s CE#310 3-69

F. B 2943 PG 200

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LANCASTER WEST B11

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Map No.	JN 0301.00 Tape Std °F
Office Work Paw	Surveyed by R. C. Wilson
Checked	Notes E. MARTINEZ Date 12-71
Date	Indexed C. J. GALLI MAY 10 72

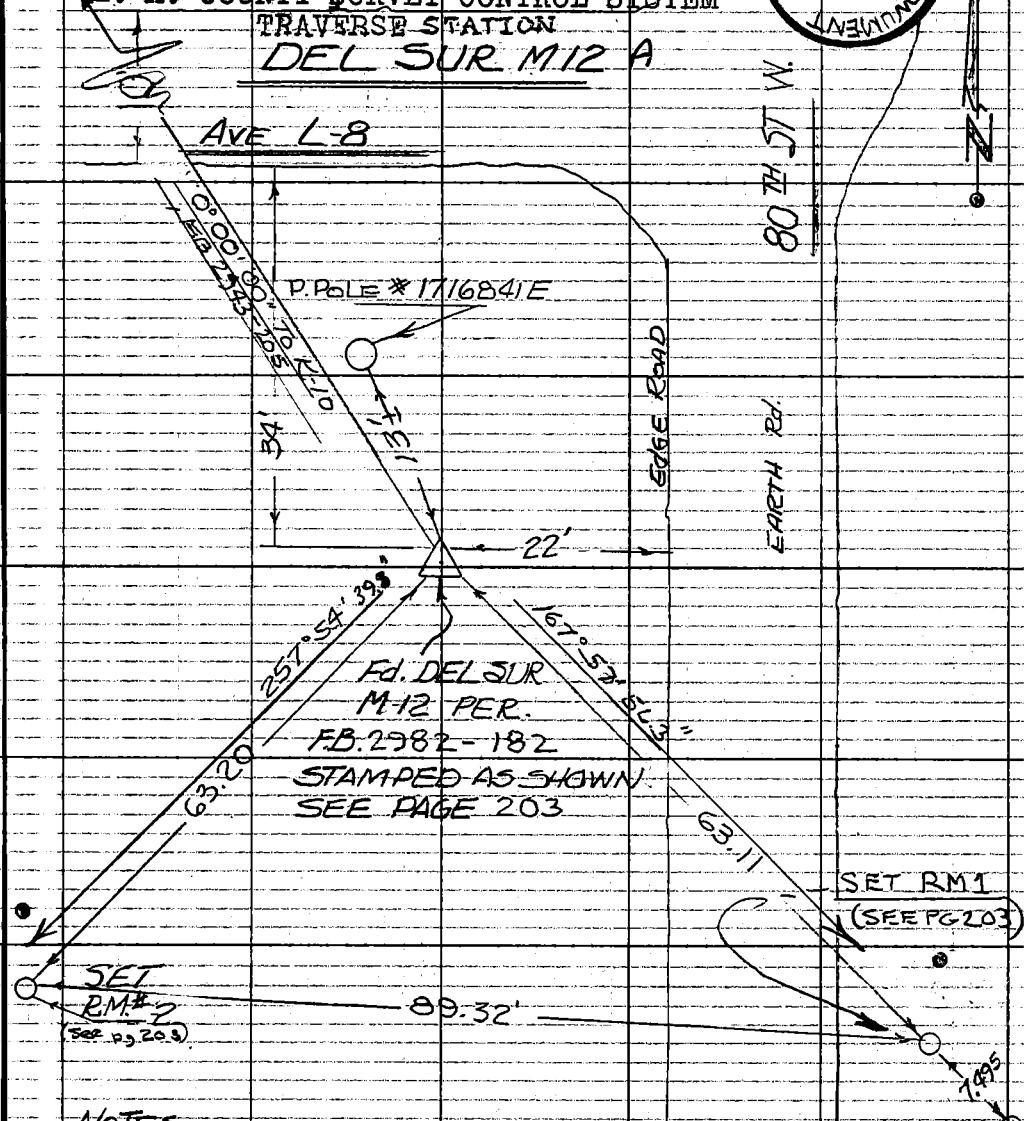
F. B. 2943 PG. 201 ✓

COUNTY SURVEYOR MONUMENT R13W 7N 32-33 1/4 SEC COR

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

DEL SUR M12 A



NOTES

DIR PER FBG 1350-33

SEE Pg. 202 FOR MEAS.

o = 2" YELLOW MARKER PIPE

5' fr MARK 3'± UP

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76F309S CE#310 3-69

F. B. 2593 PG 202

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

~~DEL SUR M-12 A~~

MEASUREMENTS

SOMETER *M6 LEVEL @ 45° 300' # 221

19.270 - 19.264 = 63.202	63.22 - 63.20
19.241 - 19.235 = 63.107	63.13 - 63.11
27.232 - 27.226 = 89.324	89.34 - 89.32

AREA

THIS "TRAVERSE STATION" IS IN THE NLY PORTION OF L.A. COUNTY IN THE VICINITY OF QUARTZ HILL HIGH SCHOOL UNDER A POWER POLE LINE RUNING FROM N. TO S ON 80TH ST W. IT IS A 1/4 COR OF SECS 32 & 33 R.13 W. T.7 N SEE FB 2982-182

ROUTE

FR. THE QUARTZHILL HIGH SCHOOL AT INTERSECTION OF 60TH ST W. AND AVE L. TRAVEL W. ON AVE L 2.0 mi TO THE INTERSECTION OF AVE L AND 80TH ST W. TURN LEFT OR S. ON 80TH ST W. (DIRT RD TO SOUTH) AND TRAVEL 0.8 MI. TO THE INTERSECTION OF C-8 AND THE STATION ON THE S.W. COR OF THE INTERSECTION OF THE ROAD'S

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes E. MARTINEZ Date 12-71
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 PG. 203

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
DEL SUR M-12 A

STATION MARK

A 2½" BRASS COUNTY ENGINEER DISC STAMPED "T. 7. N. R 13W 1/4 SEC COR 32-33" SET IN A 6" CONC POST 18" BELOW GRN. NO RECORD OF ANY SUB-SURFACE MARK SET.

REFERENCE MARK'S

RM 1 A 4" LACO SUR CONT SYS BRASS REF MARK DISC STAMPED "DEL SUR M 12 A 1971 RE 7078" SET 3" ABOVE GRN. IN AN 8" CONC-POST

RM 2

IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2"

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76F309S CE#310 3-69

F. B. 2543 Pg. 204

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

DEL SUR M 12

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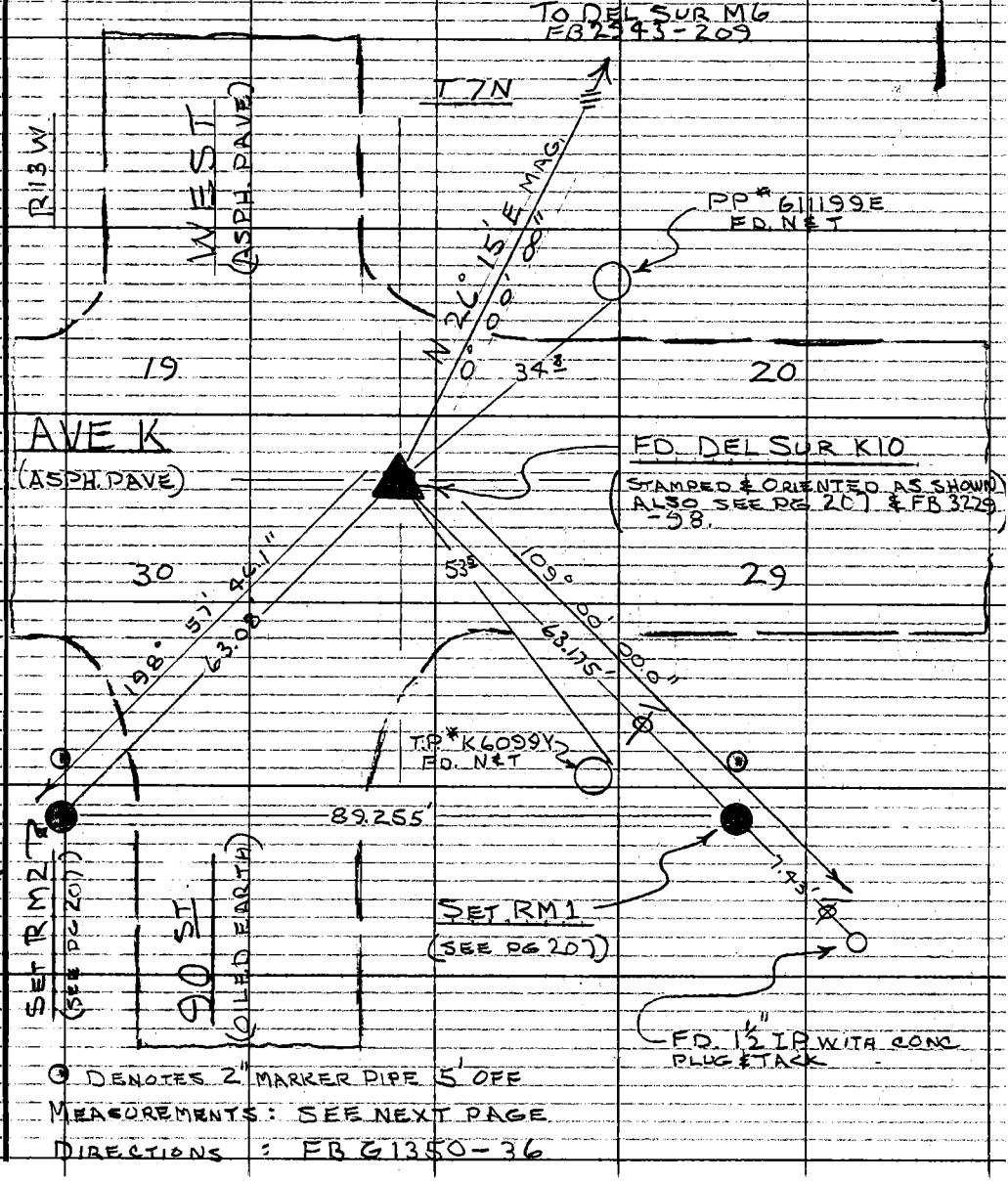
Office Work PAW	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 2-14-71
Date	Indexed C. J. GALLI MAY 10 72

F.B. 2943 PG. 205

COUNTY SURVEYOR'S MONUMENT T. 7N R. 13W 19 20 29 1920

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
DEL SUR K10



⊙ DENOTES 2" MARKER PIPE 5' OFF

MEASUREMENTS: SEE NEXT PAGE

DIRECTIONS: FB G1350-36

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76F3095 CE#310 3-69

F. B. 2943 PG. 266

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
DEL SUR K 10

50 MTR # MC MEASUREMENTS 300' TAPE # 221

LEVEL @ 40°

19.262 M = 19.256 M = 63.175'	63.185' = 63.175'
19.234 M = 19.228 M = 63.08'	63.10' = 63.08'
27.213 M = 27.204 M = 89.25'	89.29' = 89.26'
	7.43' = 7.43'

AREA: THIS TRAVERSE STA. IS IN THE N.W PORTION OF L.A. COUNTY IN THE VICINITY OF DEL SUR. IT IS A CORNER OF SEC'S. 19, 20, 30 29, T7N, R13W. SEE U.S.G.S 7½' SHEET "DEL SUR, CALIF." QUAD. 1958

ROUTE: FROM "DEL SUR" AT 90TH W & AVE J TRAVEL SLY. ON 90TH W. 1.0 MILE TO AVE K AND THE STATION SITE.

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Notes Ck'd by	Survey of GEODETIC CONTROL F.B. 2943 PG. 207
Map No:	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. WILSON
Checked	Notes C.A. PYLE Date 12/14/71
Date	Indexed C. J. GALLI MW 10 72

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
DEL SUR K10

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT BRASS DISC STAMPED: "19 20 30 29 T 1N R 15W 1920". SET IN A 6" CONC POST WHICH IS IN A MON. WELL 14" BELOW THE PAVEMENT SURFACE.

REFERENCE MARKS

RM1: A 4" L.A CO. SUR CONTROL SYSTEM BRASS REFERENCE MARK DISC STAMPED: "DEL SUR K10 RM 1 1971 BE 7078". SET IN AN 8" CONC POST WHICH IS 2" ABOVE GRD.

RM2: IDENTICAL TO RM 1 EXCEPT STAMPED: "RM 2"

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76F3095 CE#310 3-69

F. B. 2993 Pg. 208

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

DEL SUR K10

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Notes Ck'd by	Survey of GEODETIC CONTROL
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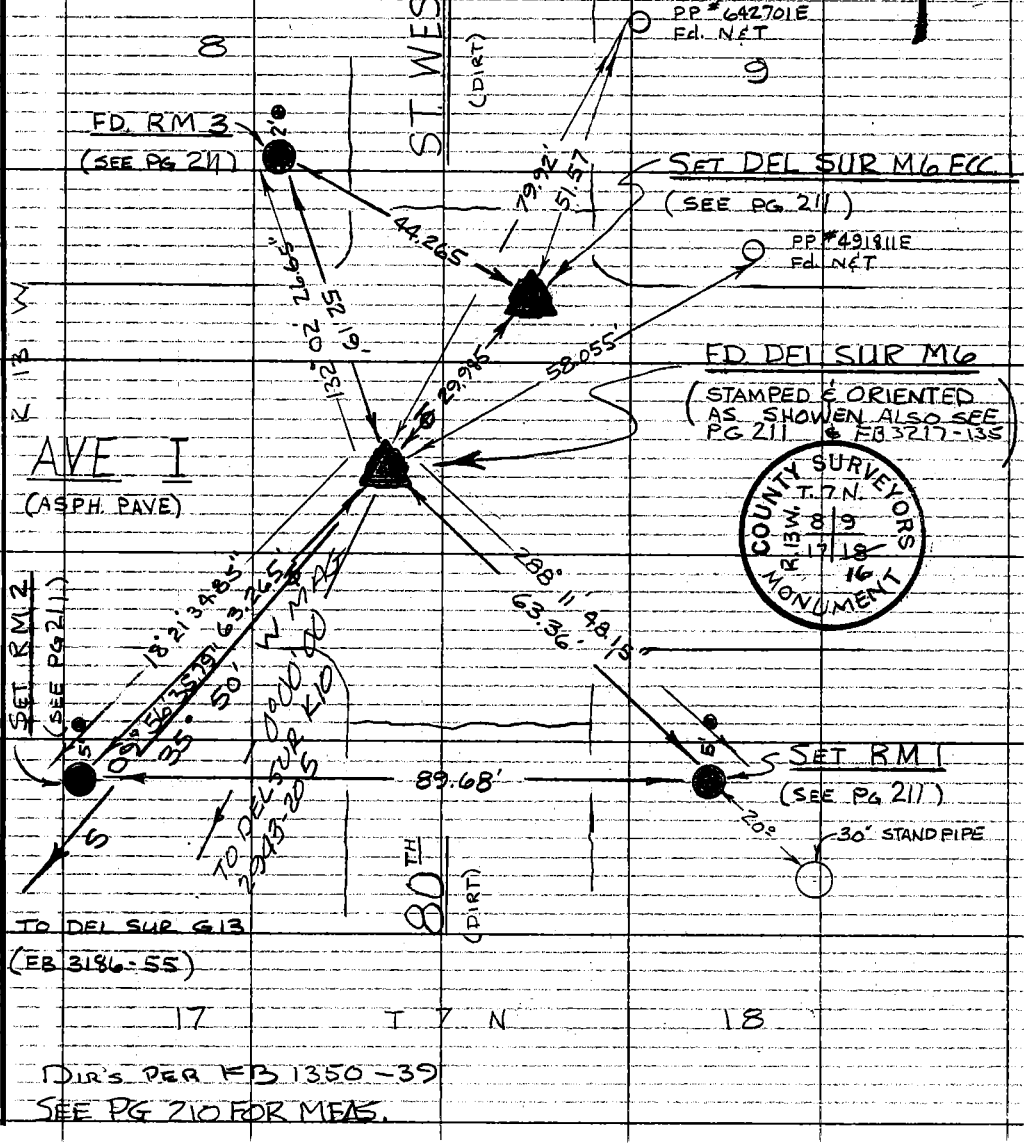
Office Work PAW	Surveyed by R.C. WILSON
Checked	Notes D. FISHER Date 12-71
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 PG. 209

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
DEL SUR M 6



DIR's PER FB 1350-39
SEE PG 210 FOR MEAS.

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76F309s CE#310 3-69

F. B. 2993 Pg. 210

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

DEL SUR M 6

50' MTR #M6 MEASUREMENTS 300' TAPE #221

LEVEL @ 44°

19.319 M =	19.313 M = 63.363'	63.38' = 63.36'
19.290 M =	19.284 M = 63.268'	63.285' = 63.265'
15.910 M =	15.907 M = 52.188'	52.20' = 52.19'
27.339 M =	27.333 M = 89.675'	89.70' = 89.68'

LEVEL @ 52°

9.143 M =	9.140 M = 29.987'	29.995' = 29.985'
13.497 M =	13.491 M = 44.261	44.275' = 44.265'

AREA: THIS TRAVERSE STA. IS IN THE N.W. PORTION OF L.A. COUNTY IN THE VICINITY OF DEL SUR. IT IS A CORNER OF SEC'S 8, 9, 17, 18 T7N R13W. SEE U.S.G.S. 7½' QUAD. SHEET "DEL SUR, CALIF." 1958.

ROUTE: FROM DEL SUR AT 90TH ST. W. & AVE. J TRAVEL NLY. ON 90TH ST. W. 1.0 MI TO AVE. I, THENCE ELY ON AVE. I 1.0 MI. TO STA.

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Map No.	JN Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes D. H. FISHER Date 12-71
Date	Indexed C. J. GALLI MAY 10 '72

F.B. 2943 PG. 211

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

DEL SUR M 6

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT BRASS DISC STAMPED: "8 9 ⌐ 18 T. 7 N. R. 13 W." SET IN A 6" CONC. POST WHICH IS IN A MON. WELL 18" BELOW THE PAVEMENT SURFACE.

ECC. MARK

A 6" BOAT SPIKE, WASHER & TIN STAMPED "DEL SUR M6 ECC 1" SET FLUSH WITH PAVEMENT ON TANGENT PROD. TO DEL SUR G13.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR. CONTROL SYSTEM BRASS REFERENCE MARK DISC STAMPED "DEL SUR M6 RM 1 1971 RE 7078" SET IN AN 8" CONC. POST WHICH IS 1" ABOVE GRD.

RM 2: IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2"

RM 3: A 2½" COUNTY ENGINEER BRASS DISC WITH PROTUDING BRASS BUTTON STAMPED "B.M. 102-17 1957 RE 5869" SET IN A 12"X12" CONC. PAD 3" ABOVE GRD. AND 2' ABOVE ROAD GRADE.

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76F309S CE#310 3-69

F. B. 2943 PG. 212

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

DEL SUR M6

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F.B. 2943 PG 213

Profile No. | Notes Red | Date | Plotted | Date | Job No. 0301.00 | Division No. 11
X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey of GEODETIC CONTROL
Survey by C.A. PYLE | Notes C.A. PYLE | Date 12-16-71
Map No. | Indexed C. J. GALLI | Date MAY 10 '72

GEODETIC CONTROL

ELEVATION ON

DEL SUR M6

JN 0301.00

12-16-71

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
BM 102-17	2.353	2391.671		2389.318	AVE I & 80ST WEST, 48.0 Ft. NORTH AND 25.0 Ft. WEST OF THE APPROXIMATE CENTER LINE INTERSECTION, SET IN THE TOP OF A 12" CONCRETE POST PROJECTING ABOUT 3" ABOVE THE GROUND AND 2' ABOVE THE ROAD GRADE. FB 2412-23
DEL SUR M6	4.349	2391.539	5.033	2386.638	A 2½" COUNTY SURVEYORS MON. BRASS DISC STAMPED "8, 9, 17, 18, T 7N, R13W SET IN A 6" CONC. POST WHICH IS IN A MON WELL 16" BELOW PAVE. SURFACE F.B. 2943-209
DEL SUR M6 ECC1			4.481	2387.190	A 6" BT. SPK., W & TIN STAMPED: "DEL SUR M6 ECC1" SET FLUSH IN PAVE. SURFACE
DEL SUR M6			4.903	2386.636	SEE LINE 8
BM 102-17			2.221	2389.318	EL 2389.318 SEE LINE 1

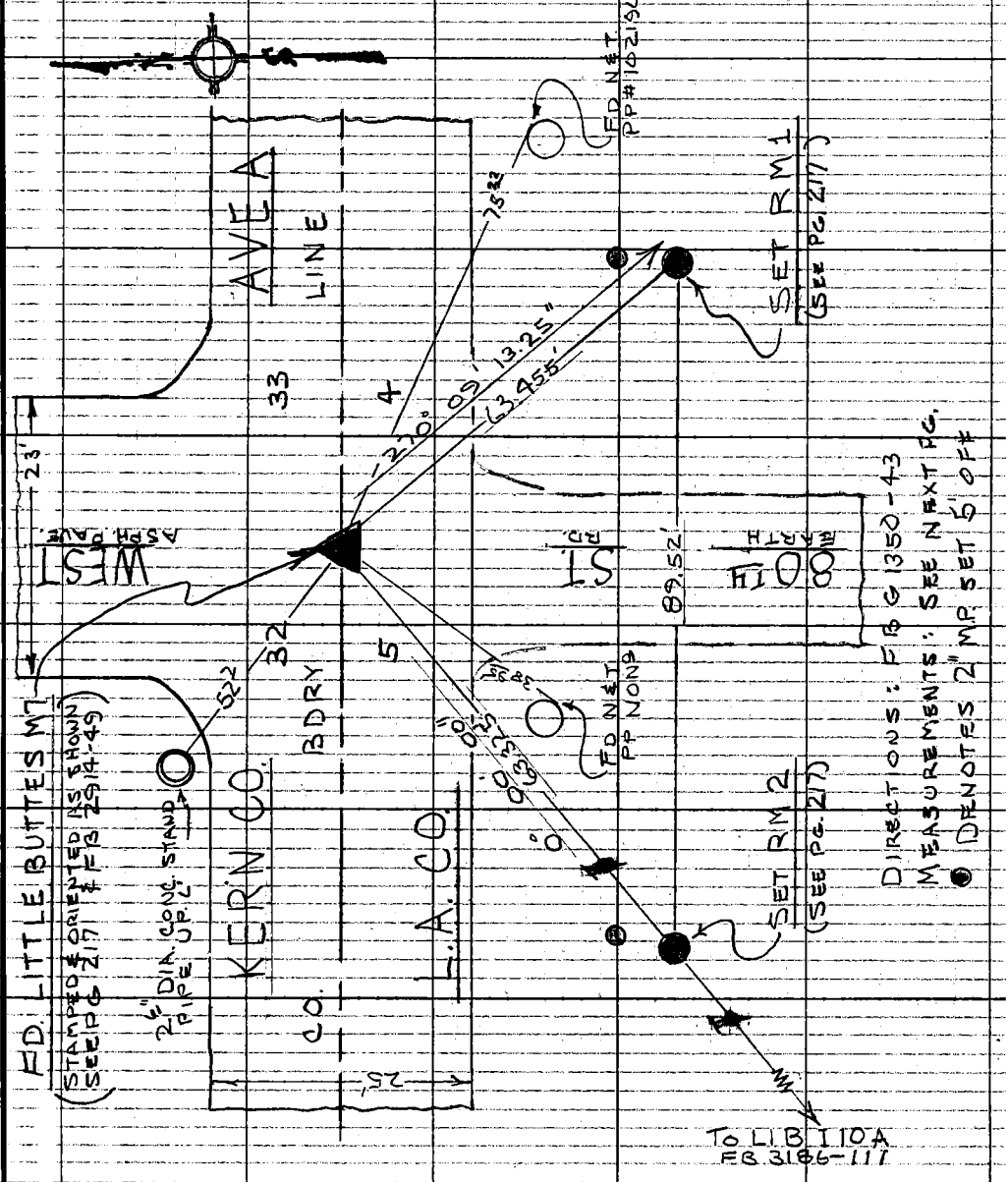
F.B. 2943 PG. 214
Job No. 0301.00 Division No. 11 Notes Red Plotted Profil
Survey of GEODETIC CONTROL Date 12-16-71 Date No. X-Sec.
Survey by C.A. PYLE Notes C.A. PYLE Notes Chkd Checked No.
Indexed J. J. GALLI Date Date Date

Notes Ck'd by	Survey of GEOD CONT.
Map No.	JN 0301.00 Tape Std °F
Office Work Paw	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 12-21-71
Date	Indexed C. J. GALLI MAY 10 72

F. B. 2943 PG. 215

KERN COUNTY
T 9 N
32 33
5 4
T 8 N
R.13 W.
L.A. COUNTY

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES M7



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 2993 PG 216

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES M 7

50 MTR # MC MEASUREMENTS 300' TAPE # 221

LEVEL @ 48°

19.345 M = 19.342 M = 63.458'	63.47' = 63.45'
19.305 M = 19.302 M = 63.327'	63.335' = 63.325'
27.292 M = 27.282 M = 89.521'	89.535' = 89.515'

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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.

AREA

THIS TRAVERSE STA. IS LOCATED ALONG THE BOUNDARY LINE DIVIDING KERN CO. & L.A. CO. IT IS IN THE N.W. ANTELOPE VALLEY, IN THE VICINITY OF "ROGERS SCHOOL" IT IS A COR OF SEC'S 32, 33, 5, 4 T9N, T8N, R13W. SEE U.S.G.S. 7½ SHEET "LITTLE BUTTES, CALIF." QUAD. 1965.

ROUTE

FROM "ROGERS SCHOOL" AT 90TH ST. WEST & AVE B. TRAVEL NLY 1.0 MILE ON 90TH ST. TO AVE A. TURN RT. (ELY.) AND PROCEED 1.0 MILE TO 80TH ST. AND THE STATION SITE.

Notes Ck'd by	Survey of GEOD CONT.
Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes C A PYLE Date 12-21-71
Date	Indexed C. J. GALLI MAY 10 72

F.B. 2943 Pg. 27

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LITTLE BUTTES M7

STATION MARK

A 2½" BRASS DISC STAMPED "KERN COUNTY L.A. COUNTY 32 33 5 4 T. 9 N. T. 8 N. R. 13 W." SET FLUSH IN A 6" CONC. POST WHICH IS IN A MON. WELL 14" BELOW PAVE. SURFACE.

REFERENCE MARKS

RM 1 A 4" LA CO SUR CONTROL SYSTEM BRASS REFERENCE MARK DISC STAMPED "LITTLE BUTTES M7 RM 1 1971 RE 7078" SET FLUSH IN AN 8" CONC. POST WHICH IS 3" ABOVE GRD.

RM 2 IDENTICAL TO RM 1, EXCEPT STAMPED "RM 2", AND SET TANGENT TO "LITTLE BUTTES I DA".

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76F309s CE#310 3-69

F. B. 2993 PG 218

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LITTLE BUTTES M7

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F.B. 2943 PG. 219

Profile No. ____ X-Sec. No. ____ | Notes Red ____ Date ____ Notes Chkd. ____ Date ____ | Plotted ____ Date ____ Checked ____ Date ____ | Job No. 0301.00 Division No. 11 | Survey of GEODETIC CONTROL | Survey by C.A. PYLE Notes C.A. PYLE Date 12-21-71 | Map No. ____ Indexed C.J. GALLI Date MAY 10 '72

GEODETIC CONTROL

ELEVATION ON

LITTLE BUTTES M7

JN 0301.00

12-21-71

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

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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F.B. 2943 PG. 220

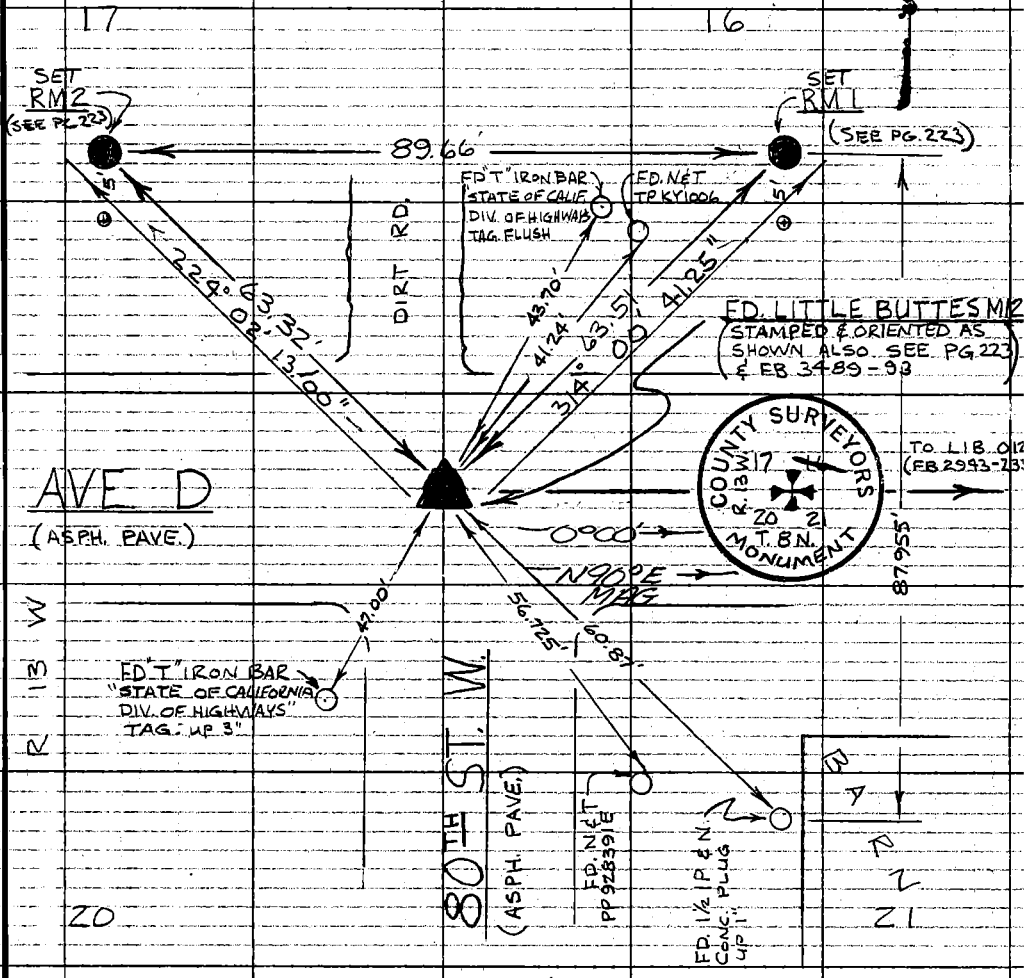
Job No. ____ Division No. ____ Notes Red. ____ Plotted ____ Profile ____
Survey of GEOD CONTROL Date ____ Date ____ No. ____ X-Sec. ____
Survey by C.A. PYLE Notes C.A. PYLE Notes Chkd. ____ Checked ____ No. ____
Indexed C.J. GALLI Date ____ Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	
B.M. 117-14				2413729	AT E. A. (CO. LINE) AND 80TH ST. WEST. 111.8'
	5385	2419114			EAST OF THE APPROXIMATE CENTER LINE
					INTERSECTION AND 28' SOUTH. IT IS 41.8'
					EAST OF P.P.# 1021969E SET IN THE TOP OF
					A 12 INCH CONC. POST PROJECTING 0' ABOVE
					THE GROUND F.B. 2860-22
LITTLE BUTTES M7			6611	2412503	A 2½" BRASS DISC STAMPED "KERN
	6440	2418943			COUNTY L.A. COUNTY 82 33 5 4
					T. 9 N. T. 8 N. R. 13 W." SET IN A 6" CONC.
					POST WHICH IS IN A MON WELL 12" BELOW
					THE DRIVE. SURFACE. F.B. 2914-49
BM 117-14			5211	2413732	ELEV. 2413.729 SEE LINE 1

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN Tape Std °F
Office Work Paw	Surveyed by R. C. Wilson
Checked	Notes D. H. FISHER Date 12-71
Date	Indexed C. J. GALLI NOV 10 '72

F. B. 2943 Pg. 22 ✓

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES M12



T 8 N

R 13 W

DIRECTIONS - FB G1365-43

MEASUREMENTS - SEE NEXT PG.

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

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76F309S CE#310 3-69

F. B. 2943 PG 222

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES M 12

50 MTR # M6 MEASUREMENTS 300' TAPE # 221

LEVEL @ 38°

19.364M = 19.358M = 63.510'	63.53' = 63.51'
19.307M = 19.301M = 63.323'	63.34' = 63.32'
27.337M = 27.328M = 89.659'	89.69' = 89.66'

AREA: THIS TRAVERSE STATION IS IN THE N. W. PORTION OF L.A. COUNTY IN THE VICINITY OF ANTELOPE ACRES. IT IS A CORNER OF SECS 17, 16, 20, 21 T 8 N. R 13 W. SEE U.S.G.S. 7½" QUAD. SHEET "LITTLE BUTTES, CALIF." 1965

ROUTE: FROM ANTELOPE ACRES AT 90TH ST. W & AVE. E 8 TRAVEL NLY. ON 90TH ST. W 1.5 M. TO AVE. D, THENCE ELY. ON AVE. D 1.0 MI TO STATION.

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT BRASS DISC STAMPED & "17 16 20 21 T.8N. R. 13W." SET IN A 6" CONC. POST WHICH IS IN A MON. WELL 24" BELOW THE PAVEMENT SURFACE.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by P. C. Wilson
Checked	Notes D. H. FISHER Date 12-71
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 Pg. 223

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LITTLE BUTTES M 12

REFERENCE MARKS

RM 1: A 4" L.A.Co. SUR. CONTROL SYSTEM BRASS REFERENCE MARK DISC STAMPED "LITTLE BUTTES M 12 RM 1 1971 RE7078" SET IN AN 8" CONC. POST WHICH IS 2" ABOVE GRD.

RM 2: IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2".

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76F309S CE#310 3-69

F. B. 2943 Pg. 229

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES M12

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Profile No. | Notes Red | Plotted | Job No. 0301.00 | Division No. 11 | F.B. 2943 ✓ PG. 225

X-Sec. No. | Notes Chkd. | Checked | Survey of GEODETIC CONTROL

Date | Date | Survey by R.C. WILSON | Notes C.A. PYLE | Date 4-11-72

Date | Date | Map No. | Indexed C. J. GALLE | Date MAY 10 '72

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

GEODETIC CONTROL

ELEVATION ON

SEC. COR 33, 34 T 9N R 14W LTB Ø-7
4 3 T 8N

AVE A & 70TH ST WEST

J.N. 0301.00

4-11-72

WILSON

PYLE

MARTINEZ - FISHER

FLOREK - COCKERHAM

76-L-298 CE 307 2-63

76-L-298 CE 807 2-63

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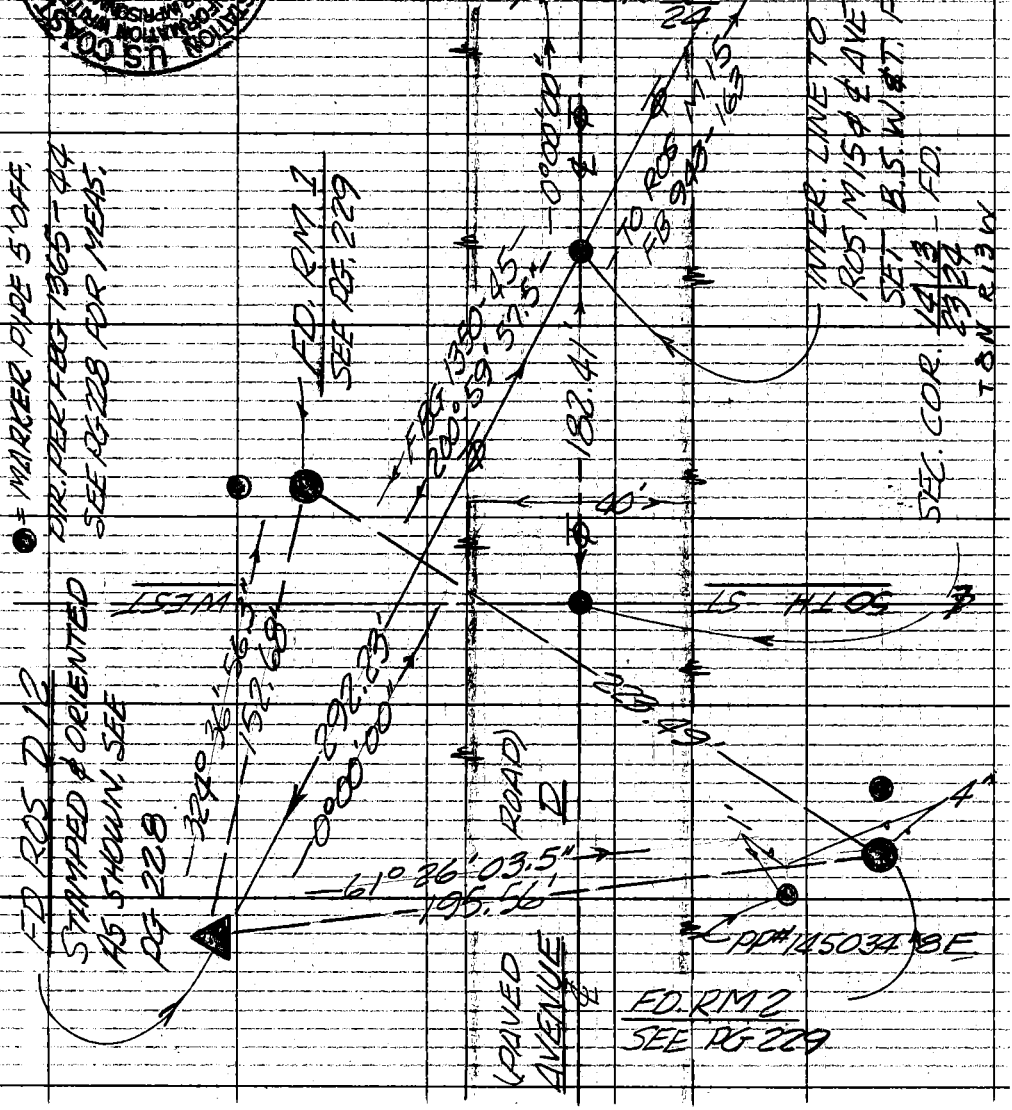
F.B. 2543 Pg. 226 | Job No. 8921.00 | Division No. 11 | Notes Red | Plotted | Profile
Survey of GEOR. CONT. N.W. CO. | Date | Date | No. | X-Sec.
Survey by R.C. WILLSON Notes C.A. PYLE | Notes Chkd. | Checked | No.
Indexed C.J. GALLI | Date | Date | Date

STATION	B.S.	H.I.	F.S.	ELEV.	
B.M. 117-12				2399.296	AVE A AND 70TH ST. WEST 118' S. & 29' W. OF THE APPROXIMATE ℄ INTER. A 2½" CO. ENG BRASS B.M. DISC. SET IN A 12" X 12" CONC PAD 6" ABOVE GRD. F.B. 2870-20
	2.549	2401.845			
SEC. COR. LIB-67			6.027	2395.818	A 2½" CO. SUR'S. MON. BRASS DISC STAMPED " 33, 34, 3, 4, T. 9 N., T. 8 N. R 14 W. SET IN A MON. WELL 18" BELOW PAVED SURFACE F.B.-
	6.145	2401.963			
B.M. 117-12			2.670	2399.293	ELEV. 2399.296' SEE LINE 1

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work PCW	Surveyed by R.C. WILSON
Checked	Notes RCW Date 1-5-72
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 PG. 227

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ROSAMOND D12
(NOAA-NOS 341181-1052)



U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION
WRITE TO THE DIRECTOR, WASHINGTON, D.C. FOR INFORMATION
AVENUE
1960
FOR DISTURBING THIS MARK. $250 FINE OR IMPRISONMENT

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

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76F309S CE#310 3-69

F. B 2943 PG 228

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ROSAMOND 012

300' ± 221'

MEASUREMENTS

		STD @ 84°
152.71' @ 52° = 152.68'	234.08' @ 40° = 234.01'	
195.60' " = 195.56'	58.24' " = 58.22'	
223.56' @ 39° = 223.49'		292.23'
182.46' @ 40° = 182.41'		

AREA

THIS TRIANG. STA. IS LOCATED IN THE N. PORTION OF LA CO 5 MILES ± N. OF LANCASTER, 100' ± N & 87' ± W OF THE INTERSECTION OF AVENUE D & 50TH ST WEST.

ROUTE

FROM ITS INTER. WITH INTERSTATE 14 TRAVEL WEST ON AVE D 2.8 MILES TO THE INTER. OF 50TH ST WEST. THE STA. IS ON THE N.W. COR.

STATION MARK

A 4" USC & GS BRASS TRIANG. STA. DISC STAMPED " AVENUE 1960 " UP 4" & SET IN A 12"X12" CONC. PAD. NO RECORD OF SUB-SURFACE MARK.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R.G. WILSON
Checked	Notes RGW Date 1-5-72
Date	Indexed C. J. GALLI MAY 10 72

F. B. 2943 PG. 229

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ROSAMOND DI2

REFERENCE MARKS

RM 1: A 4" USC&GS BRASS REF. MARK DISC STAMPED "AVENUE NO 1 1960" UP 5" ± SET IN 12"X12" CONC. PAD.

RM 2: SAME AS RM 1, EXCEPT STAMPED "NO 2"

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

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76F309S CE#310 3-69

F. B. 2943 PG. 230

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ROSAMOND DIZ

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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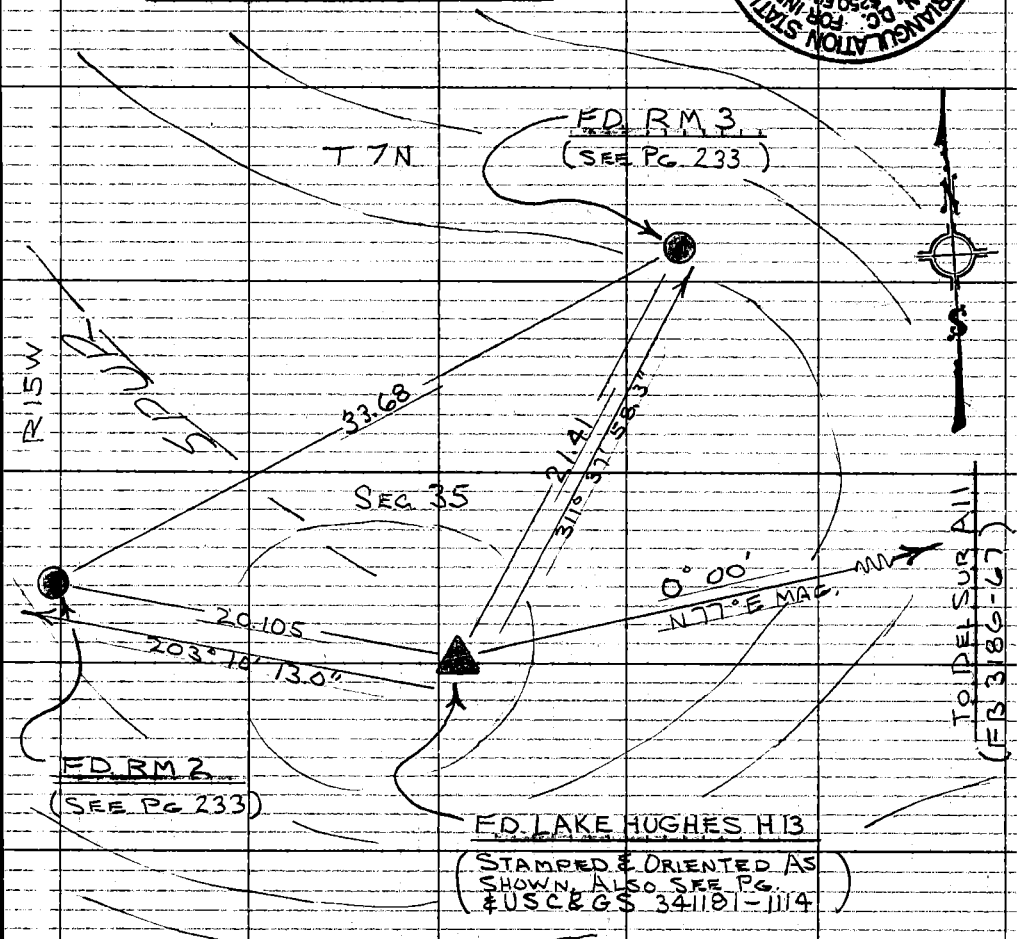
Notes Ck'd by	Survey of GEODETIC CONT F.B. 2943 PG. 231
Map No.	JN 0301.00 Tape Std °F
Office Work Paw	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 1/25/52
Date	Indexed C.J. GALLI MAY 10 52

U.S. COAST & GEODETIC SURVEY
TRIANGULATION STATION
WRITE TO THE DIRECTOR, WASHINGTON, D.C. FOR INFORMATION
$250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK
CLEAR
1964

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES H13



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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DIRECTIONS: FB G 1355-14

MEASUREMENTS: SEE NEXT PG.

76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 3943 Pg. 232 **L. A. COUNTY SURVEY CONTROL SYSTEM**
TRIANGULATION STATION
LAKE HUGHES H 13

50 MTR. # M6 MEASUREMENTS 300' TAPE # 22

6.128 M =	6.128 M = 20.105'	LEV. @ 48°	20.105' = 20.105'
6.524 M =	6.524 M = 21.409'	LEV. @ 50°	21.41' = 21.41'
10.270 M =	10.260 M = 33.685'	LEV. @ 48°	33.69' = 33.68'

AREA: THIS TRIANGULATION STA. IS IN N.W. L.A. CO. WITHIN THE "ANGELES NAT'L. FOREST" IN THE VICINITY OF THE "LOS ANGELES AQUEDUCT ELIZABETH TUNNEL". IT IS 2200'± S. & 550'± W. OF THE N.E. COR. OF SEC. 35, T. 7 N., R. 15 W. SEE USGS 7.5 MIN. SHEET "LAKE HUGHES, CALIF." QUAD. 1957.

ROUTE: FROM ITS INTER. WITH "ELIZABETH LAKE\PINE CYN. RD." PROCEED S. ON "LAKE HUGHES RD." 0.1 MILE TO "NEWVALE DR." ON THE LEFT (E.), FOLLOW THIS ELY. 0.1 MILE TO "SYLVAN DR." TURN RT. (S.) 0.2 MILE TO "AUSTIN WAY" ON THE LFT. (SYLVAN DR. CHANGES TO NEW VIEW AT THIS POINT) CONTINUE SLY, THEN ELY. ON "NEW VIEW DR." 0.2 MILE TO TOP OF RISE AND A DIRT RD., "USFS 7N05" WHICH CONTINUES STRAIGHT AHEAD, ("A" FRAME HOUSE ON THE RIGHT) FOLLOW "7N05" UPGRADE 2.3 MILES TO A WIDE SPOT AND A SPUR ASCENDING TO THE RIGHT (S-LY) FOLLOW THE T.T.'S UP THE FIREBREAK 0.2 MILES TO A HIGH POINT AND THE STATION SITE ON THE WEST SIDE OF THE FIREBREAK.

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Notes Ck'd by	Survey of GEODETIC CONT.
Map No.	JN 0301.00 Tape Std. °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 1/25/72
Date	Indexed C. J. GALLI MAY 10 72

F. B. 2943 PG. 233

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LAKE HUGHES H13

STATION MARK

A 4" U.S.C.& G.S. TRIANGULATION STA. BRASS DISC, STAMPED "CLEAR 1964". SET IN A 10" CONC PAD THAT IS 4" ABOVE GRD.

SUB SURFACE MARK

NO RECORD OF ANY MARK BEING SET

REFERENCE MARKS

RM 1: SEARCHED FOR AND NOT FOUND.

RM 2: A 4" U.S.C.& G.S. BRASS REFERENCE MARK DISC STAMPED "CLEAR RM NO 2 1964". SET IN A 10" x 10" CONC PAD 6" ABOVE GRD.

RM 3: IDENTICAL TO RM NO 2 EXCEPT STAMPED "NO 3" IT IS IN A DIRT MOUND 18" ABOVE THE SURROUNDING GRD.

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2943 Pg. 234

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LAKE HUGHES H.13

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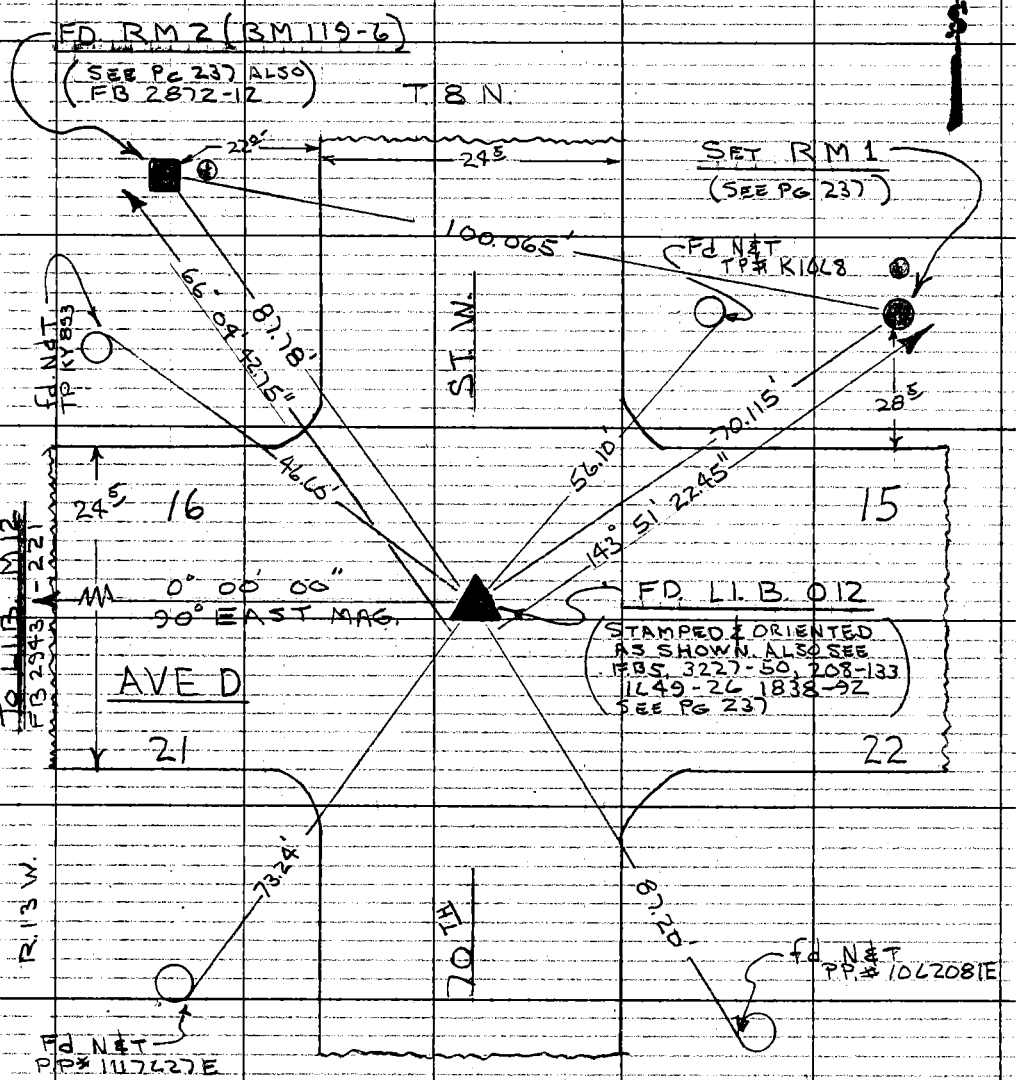
Notes Ck'd by	Survey of GEOD CONT
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R.C WILSON
Checked	Notes C.A PYLE Date 4/11/72
Date	Indexed C. J. GALLI MAY 10 72

F. B. 2943 PG. 235 ✓

COUNTY SURVEYORS MONUMENT
R. 13 W. T. 8 N.
16 15
21 22

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES 012



● – DENOTES 2" MARKER PIPE SET 2' OFF

DIRECTIONS PER FB G1365-40

MEASUREMENTS: SEE NEXT PAGE

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

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76F309S CE#310 3-69

F. B. 2943 PG 236

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES 012

50 MTR. M6 MEASUREMENTS 300' TAPE #221

LEV. @ T-58°

21.375M =	21.372M =	70.118'	70.12' = 70.11'
26.757M =	26.754M =	87.776'	87.79' = 87.78'
30.504M =	30.501M =	100.069'	100.08' = 100.06'

AREA: THIS TRAVERSE STA. IS IN ANTELOPE VALLEY IN THE N.W. PORTION OF L.A. CO. IT IS IN THE VICINITY OF "LITTLE BUTTES" A COR. OF SECS. 16, 15, 21, 22, T8N, R13W. SEE U.S.G.S. 7½' SHEET "LITTLE BUTTES, CALIF." QUAD 1965.

ROUTE: FROM ITS INTER. WITH "HWY. 14 (FWY.)", TRAVEL WLY. ON "AVE. D" 4.8 MILES TO "70TH ST. W." AND THE STATION SITE.

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Notes Ck'd by	Survey of GEOD CONT.
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes C. A PYLE Date 4/11/72
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 PG. 237

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES 012

STATION MARK EL. 2397.645' PER 2943-239

A 2½" CO. SURS. MON." BRASS DISC STAMPED "14, 15, 21, 22, T8N, R13W. SET FLUSH IN A 6" CONC. POST WHICH IS IN A MON. WELL 21' BELOW PAVED SURFACE.

SUB SURFACE MARK

NO RECORD OF ANY BEING SET.

REFERENCE MARKS

RM 1 A 4" L.A. CO. SUR. CONT. SY. BRASS REF. MARK DISC, STAMPED " LITTLE BUTTES 012 RM 1 1972 RE 7078. SET FLUSH IN AN 8" CONC. POST WHICH IS 3" ABOVE GRD.
EL 2399.958' PER 2943-239

RM 2 A 2½" CO. ENGR. BRASS BENCH MARK DISC STAMPED: "119-C 1961 RE. 5869." SET FLUSH IN A 12"X12" CONC. PAD WHICH IS 6" ABOVE GRD. 1970 EL = 2402.638 PER 2872-12

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 2943 Pg. 238

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE BUTTES 012

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F. B. 2943 PG. 239

Profile No. | Notes Red | Plotted | Job No. 0301.00 | Division No. 11
Date | Date | Survey of GEODETIC CONTROL
X-Sec. No. | Notes Chkd. | Checked | Survey by R. C. WILSON Notes C. PYLE Date 4-11-72
Date | Date | Map No. | Indexed C. J. GALLI Date MAY 10 '72

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STATION

GEODETIC CONTROL

ELEVATION ON

LITTLE BUTTES 012

FB 2943-235

AVE D & 70TH ST WEST

B. S.

H. I.

FLOREK - COCKERHAM

F. S.

FISHER - MARTINEZ

PYLE

ELEV.

WILSON

. JN. 0301.00

4-11-72

76-L-298 CE 307 2-53

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	
B.M. 119-6				2402.638	AVE D AND 70TH ST. WEST 34 3/4' W & 80 5/ OF THE APPROXIMATE ℄ INTER. A 2½ CO. ENG BRASS B.M. DISC SET IN A 12'x12" CONC. PAD 6" ABOVE GRD. FB 2872-12
	1.413	2404.051			
LI.B. 012			6.406	2397.645	A 2½" CO. SURS. MON. BRASS DISC. STAMPED: "16, 15, 21, 22, R.13 W. T8N. SET IN A MON WELL 21" BELOW PAVED SURFACE. FB 2943-35 ALSO 3227-50, 208-133, 1649-26, 1838-92
	6.451	2404.096			
LI.B. 012 RM1			4.138	2399.958	A 4" L.A. CO. SUR. CONT. SY. BRASS REF. MARK DISC STAMPED "LITTLE BUTTES 012 RM1 1972 RE 7078". SET IN AN 8" CONC. POST 3' ABOVE GRD. F.B. 2943-37
	4.166	2404.124			
LI.B. 012 RM2			1.484	2402.640	ELEV. 2402.638. SEE LINE 1, ALSO F.B. 2943-37

F.B. 2943 PG. 240

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

Survey of GEOD. CONT. N.W. CO. Date ____ Date ____ No. ____

Survey by R.C. WILSON Notes C.A. PYLE Notes Chkd. ____ Checked ____ X-Sec. ____

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

Notes Ck'd by	Survey of GEOD. CONT.
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 4-13-72
Date	Indexed C. J. GALLI MAY 10 '72

F. B 2943 PG. 241

GEODETIC CONTROL

LOCATION OF POINT 52' ± WEST OF AVE A & 50TH WEST AND TIE TO USGS STA "CORNERS"

4-13-72

JN 0301.00

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76F309S CE#310 3-69

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 022.00 Tape 22.1 Std 84 °F
Office Work Paul	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 4-18-72
Date	Indexed C. J. GALLI MAY 10 '72

F. B. 2943 Pg. 249

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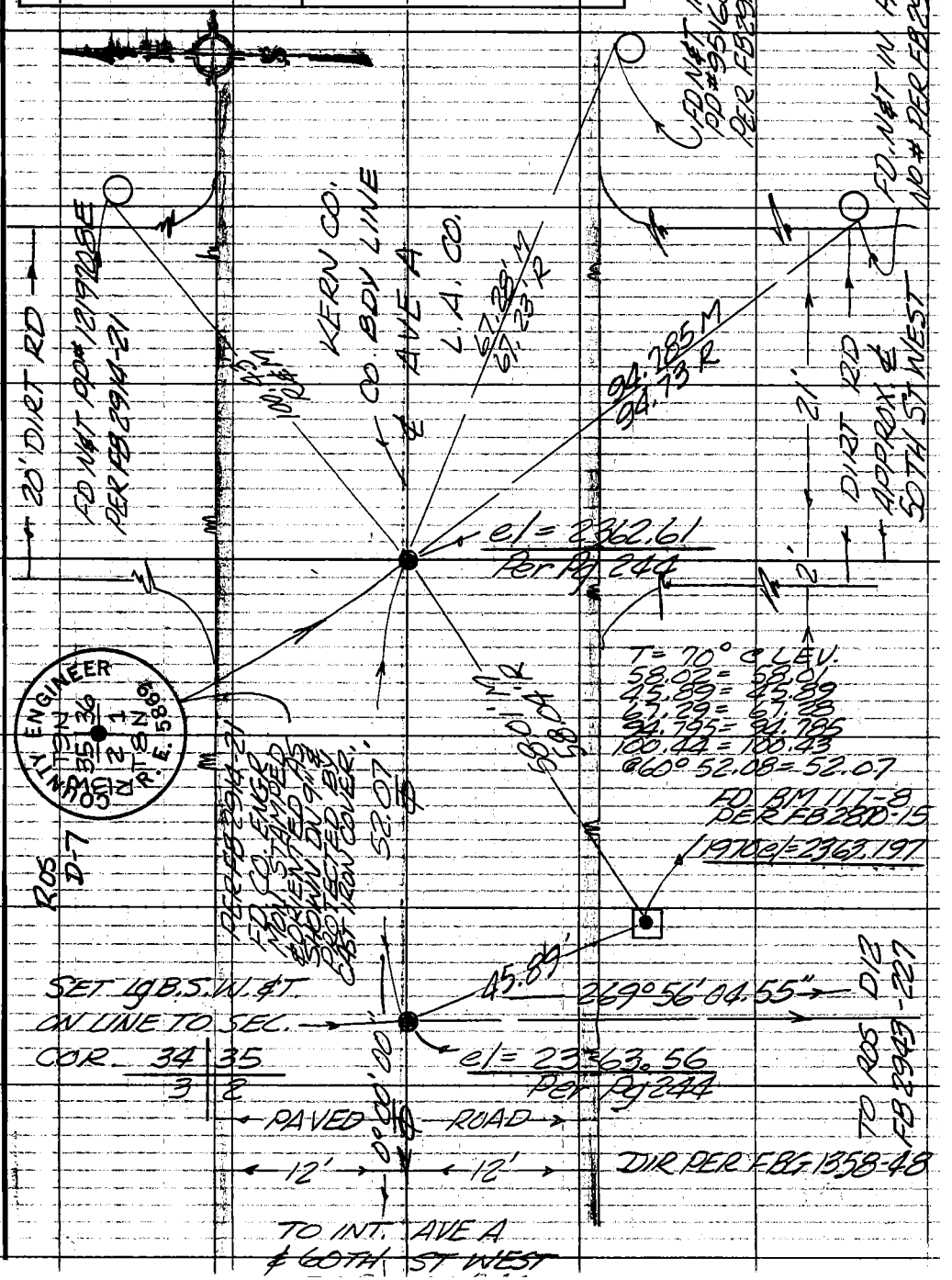
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309s CE#310 3-69



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F.B. 2913 PG 24

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

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

Survey by R. C. Wilson Notes R. C. Wilson Date 4-13-72

Map No. ____ Indexed C. J. GALLI Date MAY 10 72

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STATION	B.S.	H.I.	F.S.	ELEV.	
					GEODETIC CONTROL
					JN 0301.00
					ELEV. @ 60TH WEST & AVE A
					" " 50TH " " "

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	
BM 117-8				2363 20	CO. ENGR. B.M. MON. BUTTON TOP SET IN 12"X12" CONC. PAD 45'± W & 40'± S OF INTER. AVE A & 50TH ST W FB 2870-15
	4 66	2367 86			
SEC. COR.			5 25	2362 61	
	5 14	2367 75			
B.S.W.&T.			4 19	2363 56	
	4 27	2367 83			
BM 117-8			4 64	2363 19	el = 2363.20
BM 117-10A				2381 02	CO. ENGR. B.M. BUTTON TOP MON. SET IN 12"X12" CONC. PAD 63'± S & 29'± E OF INTER. AVE A & 60TH ST. W FB 2870-18
	4 01	2385 03			
SEC. COR.			5 71	2379 32	
	5 86	2385 18			
USGS "CORNERS"			4 70	2380 48	
	4 76	2385 24			
BM 117-10A			4 21	2381 03	el = 2381.02

F.B. 2943 PG. 246 Job No. 2301.00 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of GEODETIC CONTROL Date ____ Date ____ No. ____
Survey by R. C. Wilson Notes R. C. Wilson Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ No. ____

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

GEODETIC CONTROL

Surveyed _____
JN 0301.00 Tape 175 Std 84 °F
Surveyed by J. G. RANDALL
Notes VGR Date 12-Nov-68
Indexed _____

F.B. 2943 Pg. 247

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CADASTRAL TIE

TO THE

NORTH LINE OF THE

N.W. ONE QUARTER OF

SECTION 1 - T6N - R14W

S.B.M.

J.N. 0301.00

F.L. 5194

REFERENCE

F.B. 3255 - 52 & 58

F.B. 3186 - 21, 55, & 83

12-NOV-'68

RANDALL

DOVER

PYLE

76E309A CE#310 9-67

F.B. 2943 PG [redacted] 248 ✓

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