Notes Ck'd by
Map No.
Other Work

Survey of GEOD. CONTROL
JN 0301.00 Tape Std °F
Surveyed by WILSON-RANDALL
Notes RW Date 5-69
Indexed C. J. GALLI SEP 5 '69

F. B. 2460 PG. 5

GEODETIC CONTROL

N.W. L.A. CO.- GORMAN

JN 0301.00

APRIL 1969

[illegible]lson	Randall
[illegible]dams	Pyle
[illegible]nett	Fisher
[illegible]kerham	Pulsifer

Microfilmed Jan '86

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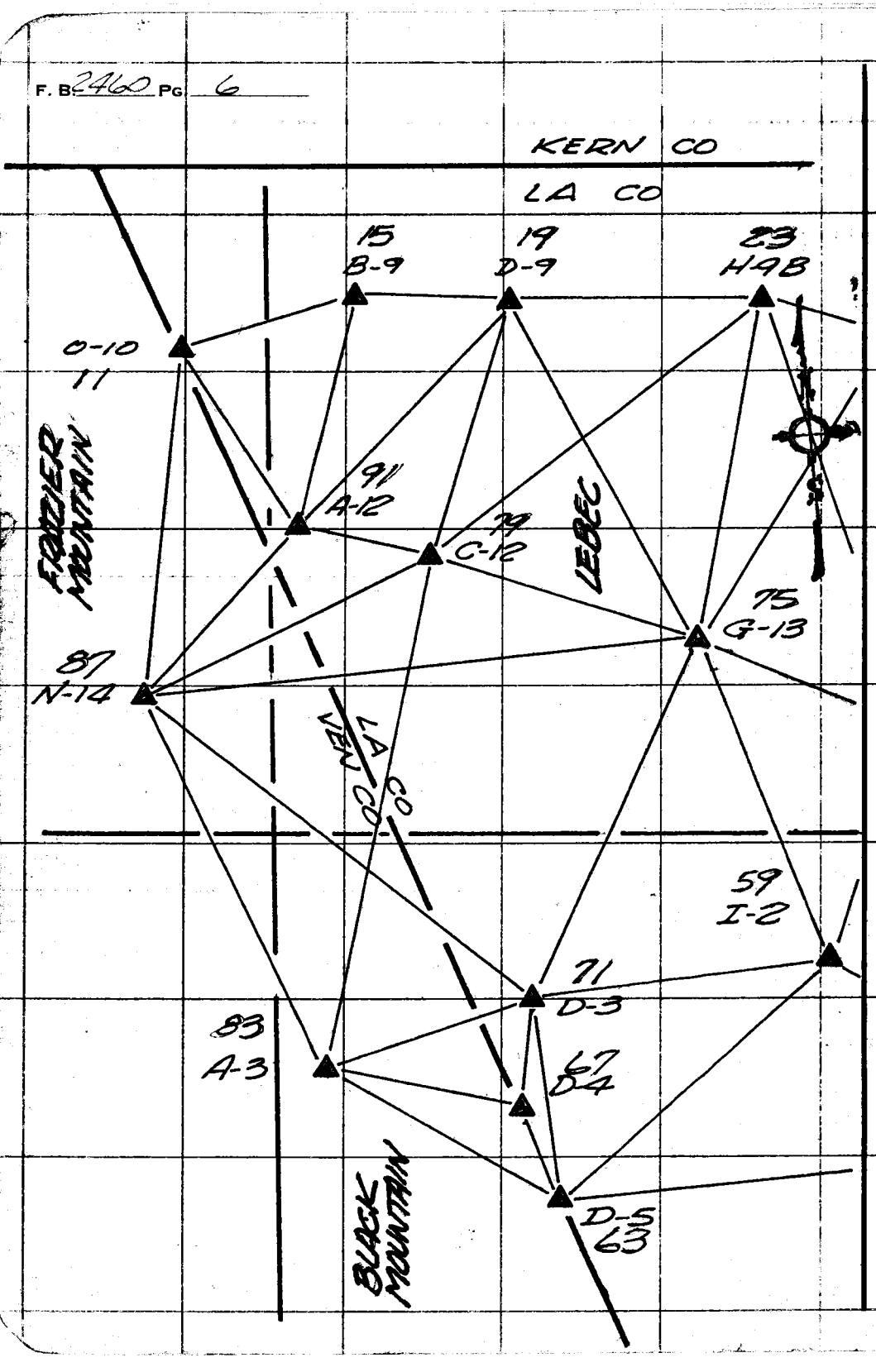
76F3096 CE-810 [illegible]

F. B. 2460 PG. 6



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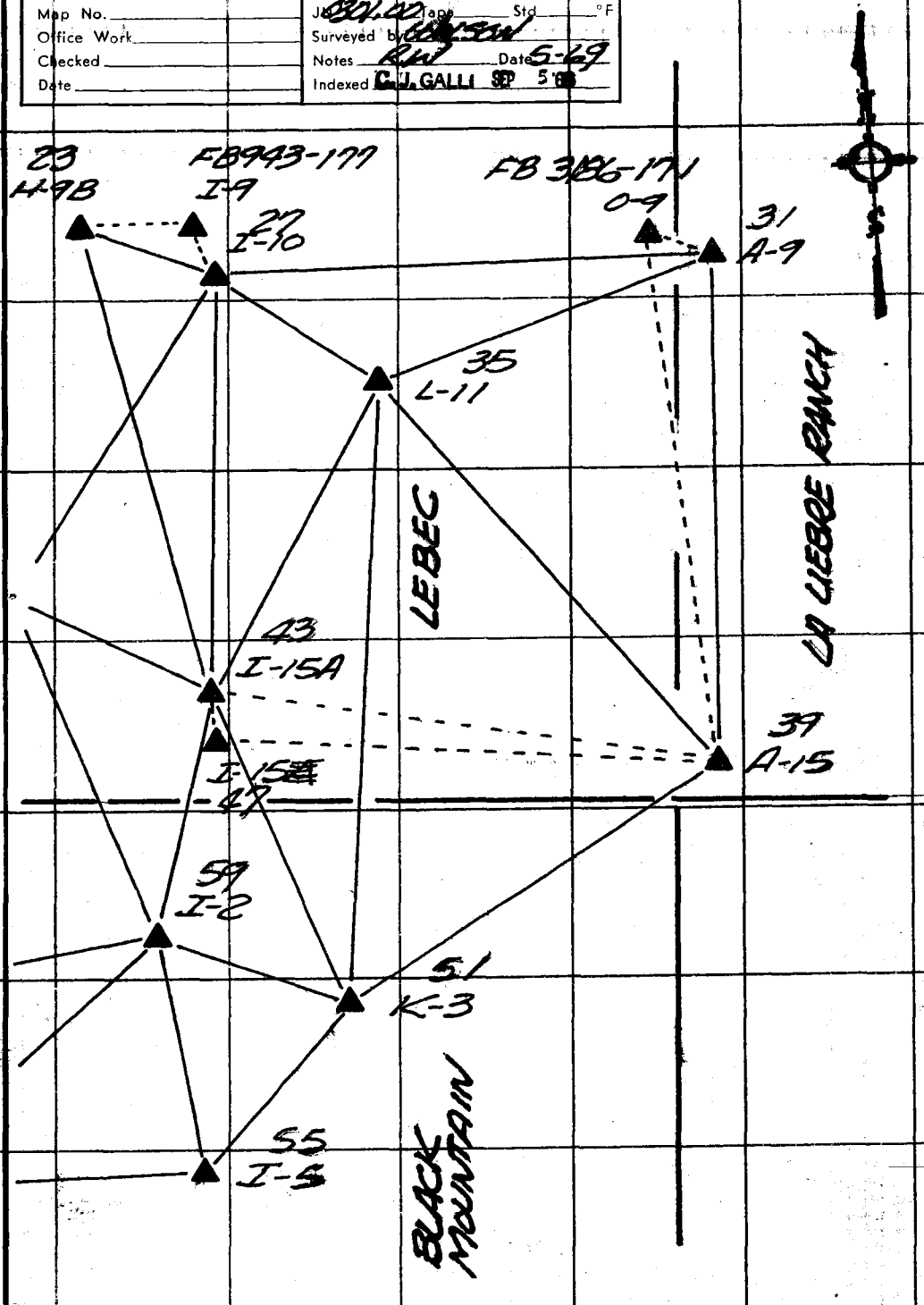
Office Work	Surveyed by WILSON
Checked	Notes RW Date 5-69
Date	Indexed C.J. GALLI SEP 5 '68

F. B. 2460 PG. 7



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16F3095 CE#310 3-68

F. B. 2460 PG. 8

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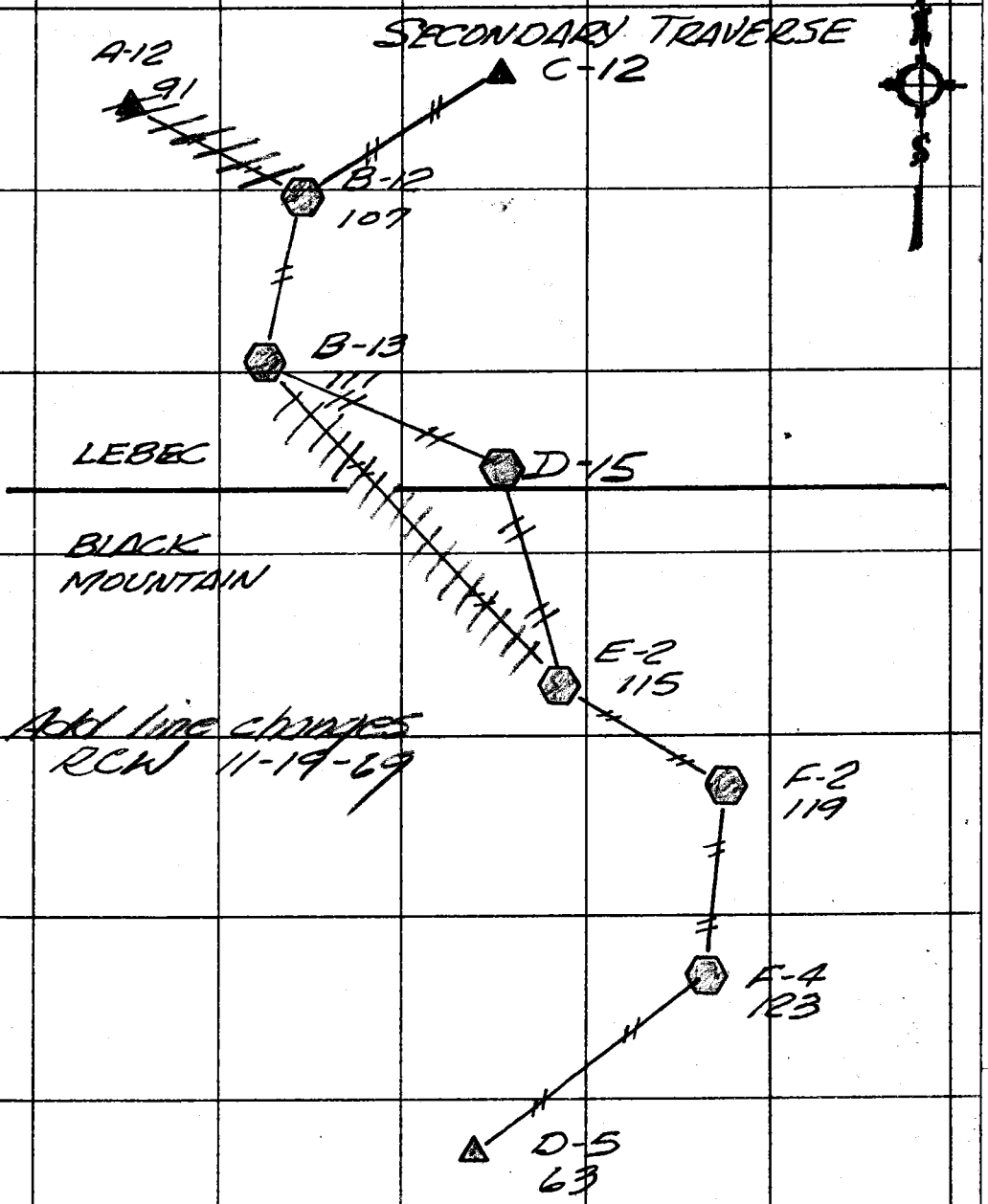
Date

Survey of Geodetic Control F. B. 2460 PG. 9
JN 330.20 Tape Std °F
Surveyed by RCW
Notes RCW Date 5-69
Indexed C. L. GALLI SEP 5 '69



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76F309S CE#310 3-68

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape M4 180 Std 84 °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 5-26-69
Date	Indexed C.J. GALLI SEP 5 '69

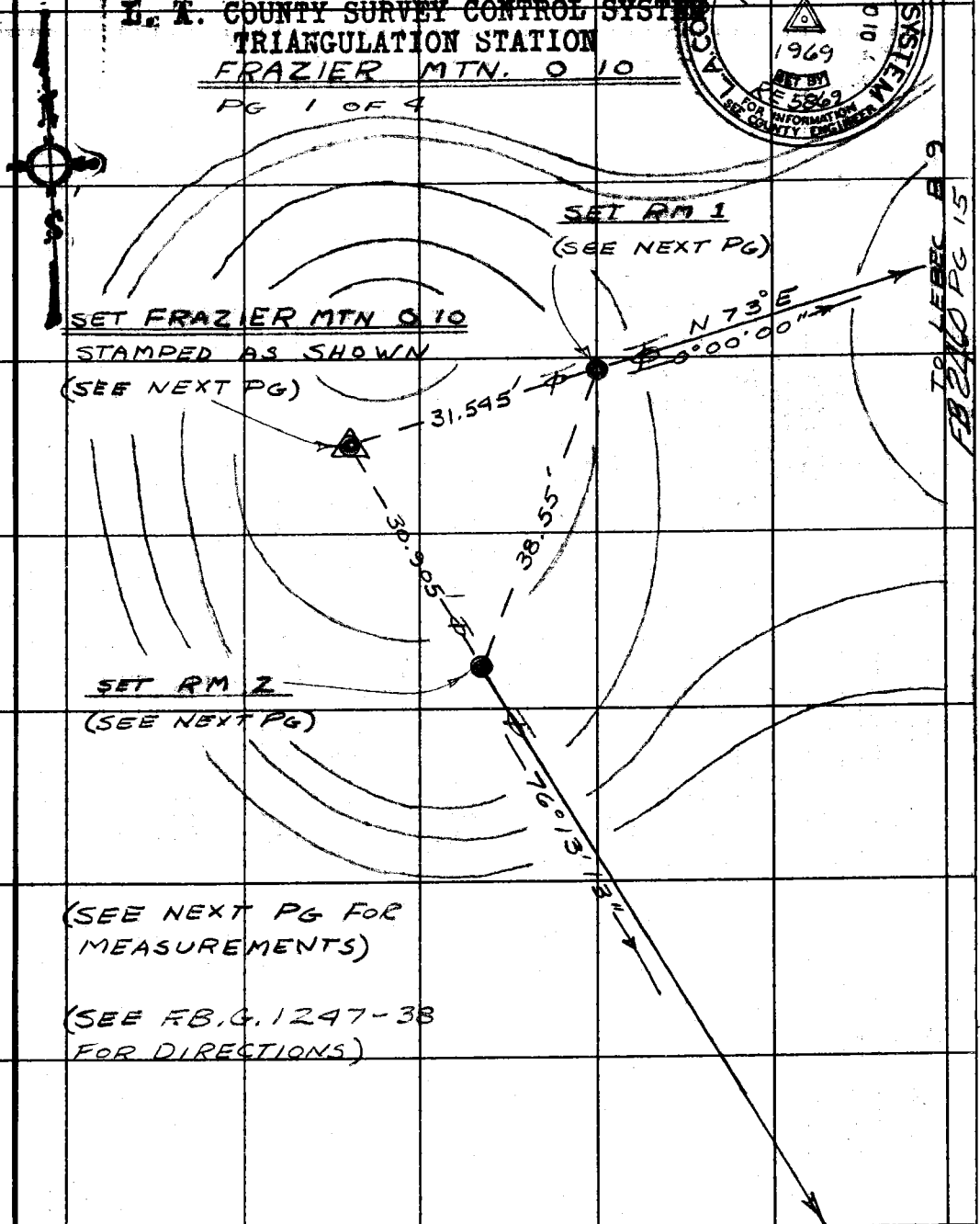
F. B. 2460 PG. 11 ✓

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

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN. O 10
1969
SET BY
RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN. O 10

PG 1 OF 4



(SEE NEXT PG FOR MEASUREMENTS)

(SEE F.B.G. 1247-38 FOR DIRECTIONS)

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76F309S CE#310 3-68

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

F. B. 2460 PG. 12

FRAZIER MTN 0 10
PG 2 OF 4

MEASUREMENTS

300' TAPE #180 TEMP = 76° 50MTR TAPE #M4

38.55'@L = 38.55' 11.749M@L = 11.749M = 38.548'

30.905'@L = 30.905' 9.421M@L = 9.421M = 30.910'

31.545'@L = 31.545' 9.616M@L = 9.616M = 31.550'

AREA: THIS TRIANGULATION STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE GORMAN AREA, IN THE N,W,LY PART OF SECTION 10 T8N, R19W, .1200'± S. OF N. SEC LINE & 1800'± E. OF THE W. SEC LINE USE U.S.G.S. 7½'. FRAZIER MTN QUAD.

ROUTE: FROM THE GORMAN OFF RAMP OF THE GOLDEN STATE FWY, TAKE THE FRONTAGE RD ON THE S. SIDE OF FWY. 2.2 MI. W,LY & N,WLY TO A GATE ON LFT. PASS THRU GATE & FOLLOW DIRT RD 0.1 MI ACROSS CREEK @ END OF CONC SPILL WAY, THENCE 0.1 MI TO "Y". BEAR RT UP HILLSIDE ON DIRT RD 0.1 MI TO T.T.S TO LFT. (N,LY). FOLLOW T.T.S 0.3 MI TO TOP OF HILL, THEN LFT (S,WLY) ALONG TOP OF RIDGE 0.2 MI TO STATION ON BRUSHY HILL TOP

STATION MARK: A 4" L.A. CO. SUR CONT SYS BRASS TRIANG DISC, STAMPED "FRAZIER MTN 0 10 1969 RE5869" SET IN 12"X12" CONC PAD, UP 6". NO SUB SURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" LA CO. SUR. CONT SYS BRASS RM DISC STAMPED "FRAZIER MTN 0 10 RM 1 1969 RE5869" SET IN 12"X12" CONC PAD UP 6" & ON LINE TO LEBEC B 9

RM 2: SAME AS RM 1, BUT STAMPED "RM 2" & ON LINE TO LEBEC A-12

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Notes Ck'd by	Survey of GEODETIC CONTROL P.B. 2460 PG. 13
Map No.	JN 0301.00 Tape M4 180 Std 84 °F
Office Work	Surveyed by P. WILSON
Checked	Notes ADAMS Date 5-26-69
Date	Indexed C.L. GALLI SEP 5 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FRAZIER MTN 0 10

PG 3 OF 4

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76F3095 CE#310 3-68

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

F. B. 2460 PG. 14

FRAZIER MTN 010
PG 4 OF 4

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

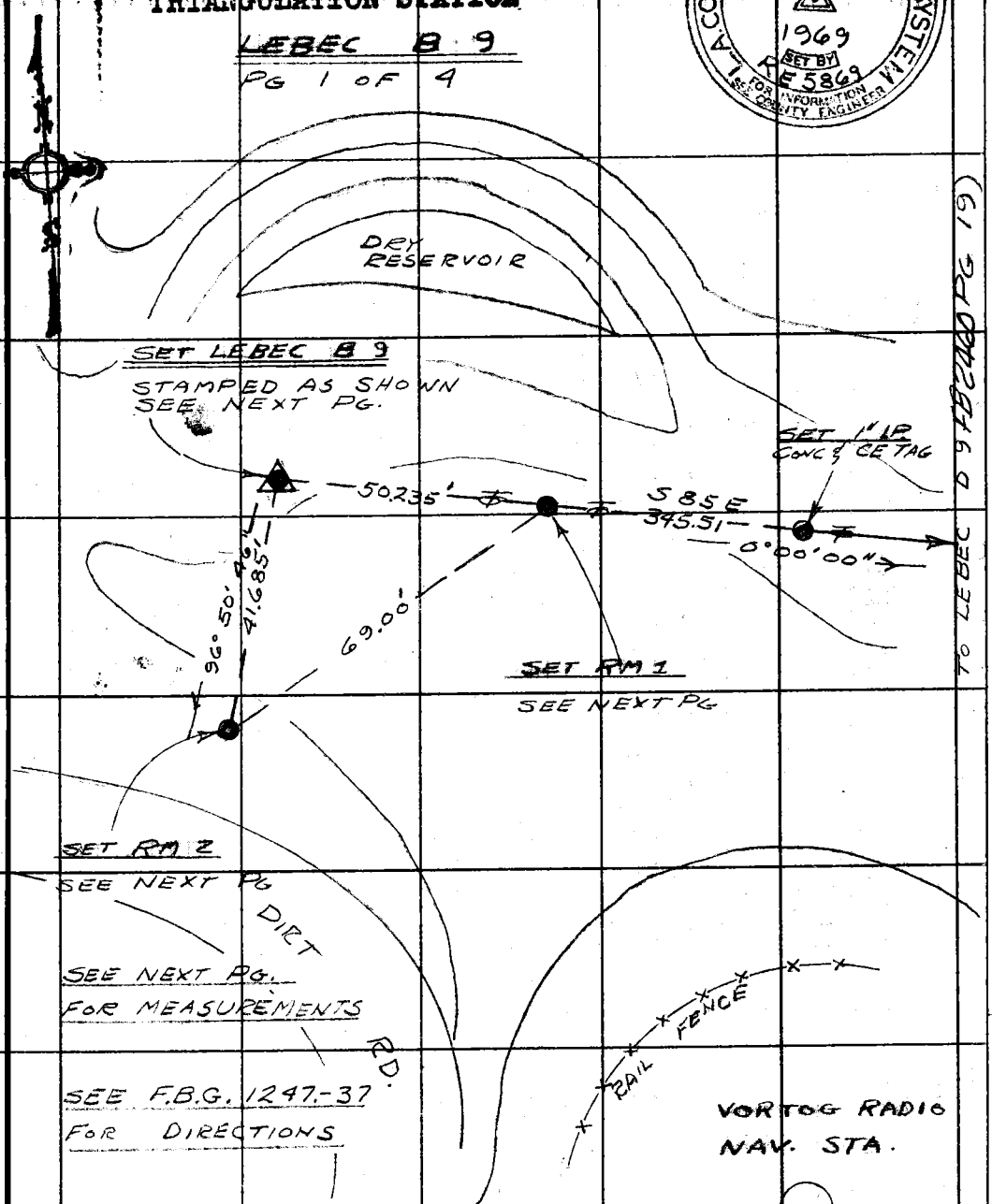
Survey GEODETIC CONTROL F. B. 2460 PG. 15 ✓
JN Q301.00 Tape M4 180 Std 84 °F
Surveyed by WILSON — RANDALL
Notes ADAMS Date 5-23-69
Indexed C. L. GALLI SEP 5-69

Noted on Geo. Index Card
Plan U.S.G.S. Quad. Skts.
Plac. Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC B 9
1969
SET BY
RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC B 9
PG 1 OF 4



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L. A. COUNTY SURVEY CONTROL SYSTEM

F. B. 2460 PG 16

TRIANGULATION STATION
GEODETIC CONTROL

LEBEC 89

Po 2 OF 4

MEASUREMENTS

300' TAPE #180 TEMP = 78° 50MTR TAPE # M4

162.98' @ L = 162.97'
182.55' @ L = 182.54'
345.51'

50.235' @ L = 50.235' 15.311 M @ L = 15.311M = 50.235'
41.685' @ L = 41.685' 12.707 M @ L = 12.707M = 49.691'
69.00' @ L = 69.00' 21.028M @ L = 21.028M = 68.993'

AREA: THIS TRIANGULATION STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE GORMAN AREA. IN THE S.LY PART OF SECTION 2, T8N R19W, 500'± N. OF THE S. SEC. LINE & 2350'± W. OF THE E. SEC LINE. USE U.S.G.S. 7½' LEBEC QUAD SHEET.

ROUTE: FROM THE GORMAN OFF RAMP OF THE GOLDEN STATE FWY, TAKE FRONTAGE RD ON S.LY SIDE OF FWY 1.8 MI W,LY THEN N,W,LY TO BRIDGE OVER FWY, TURN RT (E,LY) OVER BRIDGE, THENCE RT. (S,LY) @ END OF BRIDGE ON DIRT RD & TRAV 0.25 MI. TO "Y", TAKE LFT FORK, UPHILL 0.05 MI. TO SECOND "Y", BEAR LFT & CONT. UPHILL 0.4 MI TO GATE & CATTLE GUARD (UNLOCKED) THENCE 0.1 MI TO "Y", BEAR LFT & CONT UPHILL 1.8 MI TO VORTOG SITE. STA IS 400'± N,W,LY OF TOWER.

STATION MARK: A 4" L.A. Co. SUR. CONT SYS. BRASS TRIANG DISC. STAMPED "LEBEC B 9 1969 RE 5869" SET IN 12"X12" CONC PAD UP 6", NO SUB SURFACE MARK SET.

REFERENCE MARKS

RM 1: A 4" L.A. Co. SUR CONT SYS BRASS RM DISC, STAMPED "LEBEC B9 RM 1 1969 RE 5869" SET IN 12"X12" CONC PAD, UP 6", SET ON —

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Office Work
Checked
Date

GEODETIC CONTROL F. B 2460 PG. 17

Survey JN030100 Tape M4 T80 Std 84 °F
Surveyed by Will Sur - RANDALL
Notes ADAMS Date 5-23-69
Indexed L.L. GALLI SEP 5 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC 8 9
PG 3 OF 4

(CONT) LINE TO LEBEC D 9
RM 2: SAME AS RM 1, BUT STAMPED "RM 2"
& NOT ON LINE

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16F309S CE#310 3-68

L A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

GEODETIC CONTROL

F. B. 2460 PG. 18

LEBEC # 9

PG 4 OF 4

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GEODETIC CONTROL

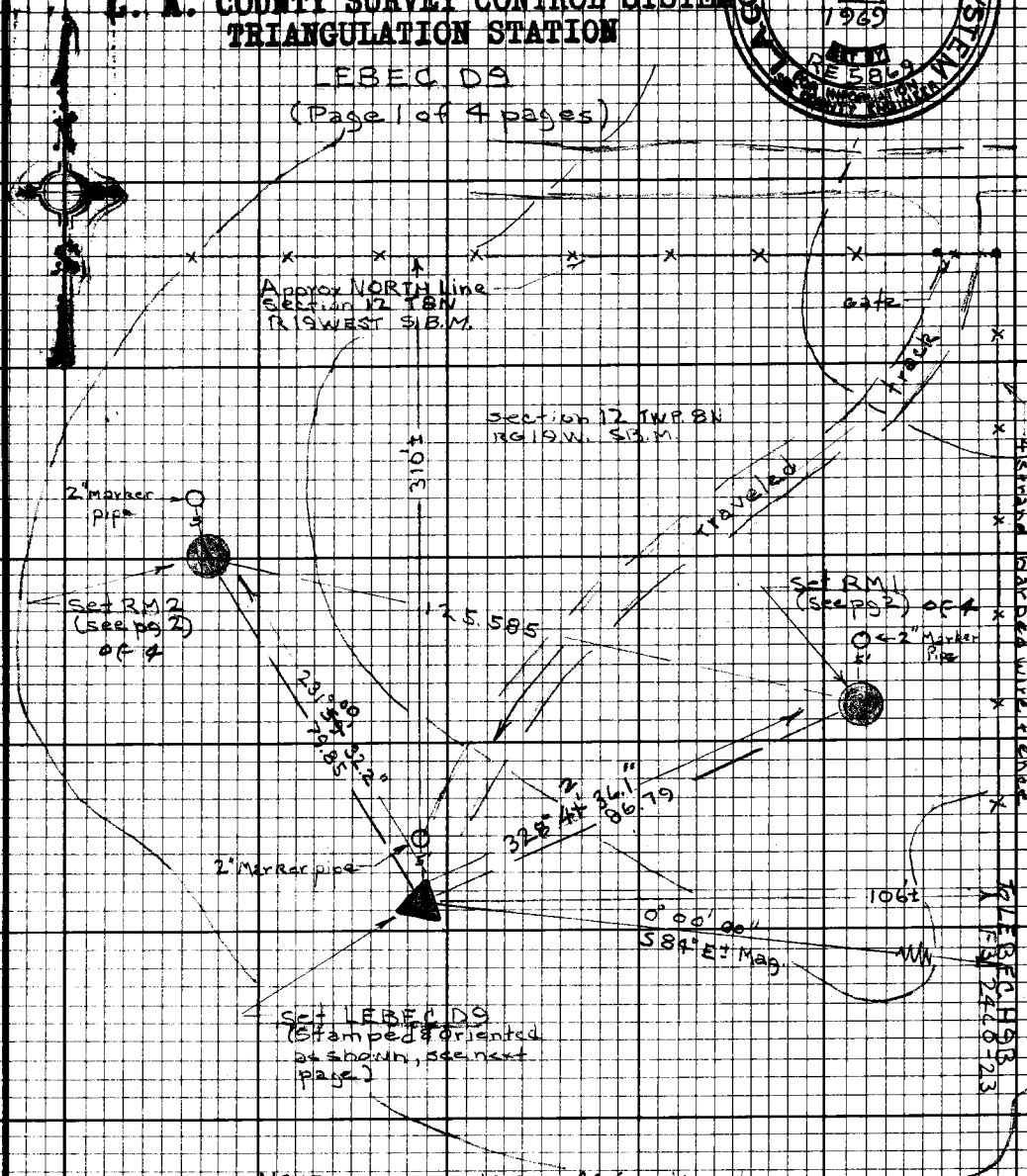
Notes Ck'd by	Survey of N.W. L.A. Co
Map No.	JN 0201.00 Tape — Std — °F
Office Work	Surveyed by [illegible] RANDALL
Checked	Notes C PYLE Date MAY 69
Date	Indexed C. L. GALLI

F.B. 2460 Pg. 19 ✓

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC D9
1969
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC D9
(Page 1 of 4 pages)



NOTE: See FBG 1246-44 for directions
see next page for measurements

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76F3098 CE#310 9-67

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC D9
(Page 2 of 4 pages)

F.B. 2460 Pg. 20

MEASUREMENTS

300' TAPE 180	TEMP 50°	50 METER TAPE #4
86.81' @ L = 86.79'		26.458 M @ L = 26.452 = 86.787'
79.87' @ L = 79.85'		24.342 M @ L = 24.336 = 79.845'
125.615' @ L = 125.585'		38.285 M @ L = 38.276 = 125.577'

AREA: This TRIANGULATION STATION is located in LOS ANGELES COUNTY in the GORMAN AREA of the TEHACHAPI MOUNTAINS. 1 Mile ± EAST of the VORTOC RADIO NAVIGATION STATION and 21,000' ± N.E. of the town of GORMAN. 310' ± SOUTH and 22,000' ± WEST of the NORTH EAST CORNER of Section 12, TOWNSHIP 8 NORTH, RANGE 19W SB.M. See U.S.G.S. 7½' sheet "LEBEC" Quad 1958

ROUTE: From the FRAZER PARK off ramp of GOLDEN STATE FREEWAY travel WESTERLY on FRAZER PARK ROAD .20 Miles to old U.S. 99 ## turn left (SOUTHERLY) 1.2 Miles to an overpass. Turn left (WESTERLY) and pass over freeway, turn right (thru a gate S. EASTERLY) and travel along frontage road 0.25 miles to a "Y" Take left (uphill) fork and continue 0.05 Miles to "Y", bear left and proceed 0.40 miles to a gate and cattle-guard (unlocked) thence 0.10 Miles to a "Y" bear left and travel 1.9 Miles upgrade to VORTOC SITE. Follow the traveled track which leads away from the SOUTH EAST CORNER of the VORTOC site 0.40 Miles to a wire gate in a barbed wire fence. Pass through and continue EASTERLY .50 miles to a wire gate in the barbed wire fence on the South side of the track. The station is 310' ± South of the gate.

STATION MARK: A 4" "LOS ANGELES COUNTY SURVEY CONTROL SYSTEM" brass TRIANGULATION disc stamped "LEBEC D9 1969 RE 58(4)" Set in a 12"x12" concrete pad 8" above grade.

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Notes Ck'd by	Survey of N.W. LA CO
Map No.	JN 630/60 Tape — Std — °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes PYLE Date MAY 69
Date	Indexed C.L. GALLI 5/69

F.B. 2460 Pg. 21

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC D9

(Page 3 of 4 pages)

SUBSURFACE MARKS: None Set.

REFERENCE MARKS:

No1 A 4" LOS ANGELES COUNTY SURVEY CONTROL SYSTEM brass REFERENCE MARK disc stamped "LEBEC D9 RM1 1969 RE5869" set in a 12" x 12" concrete pad 8" above grade.

No2 Identical to No1 except stamped "2"

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F.B. 2460 Pg 22

LEBEC D9

(Page 4 of 4 pages)

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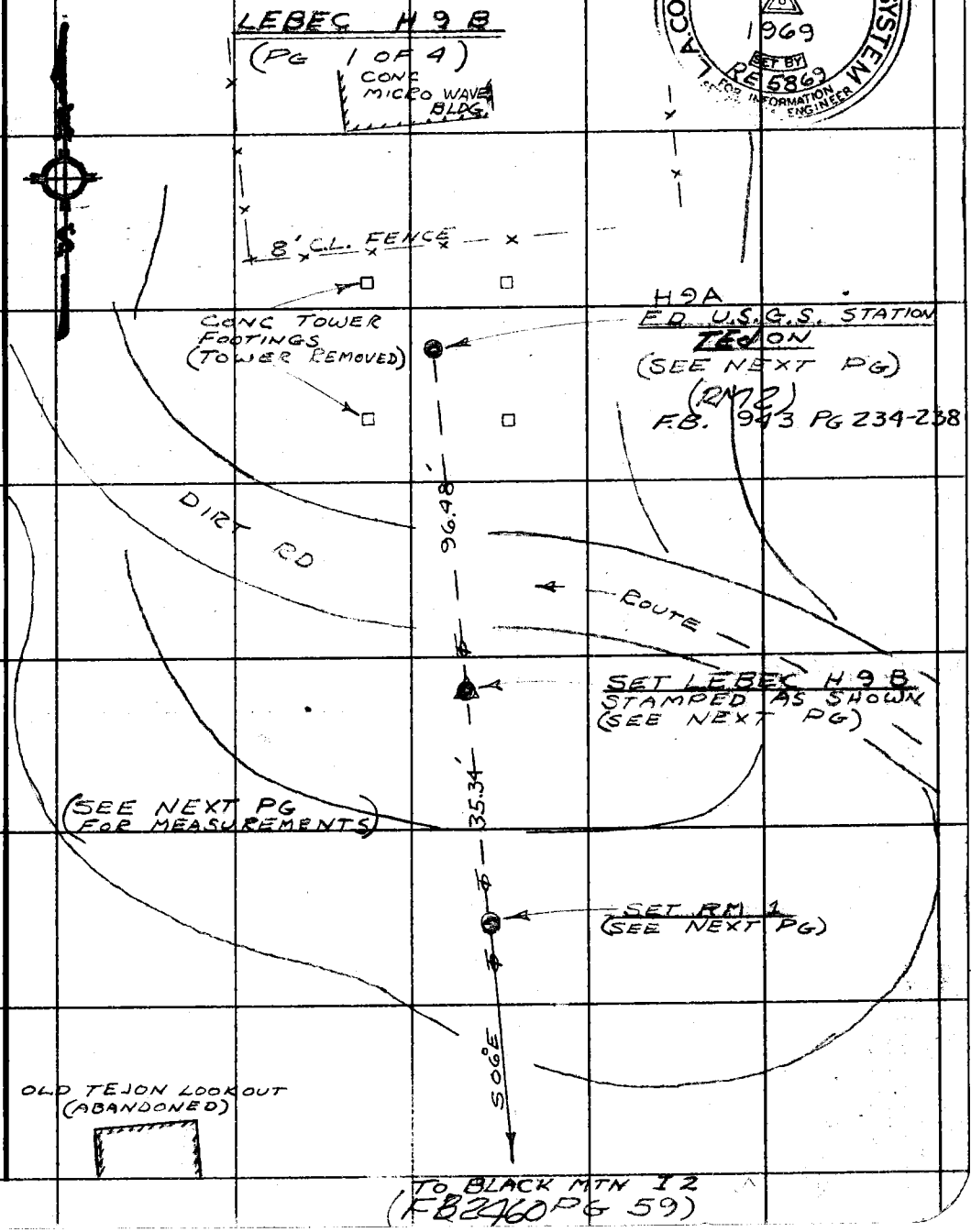
Notes Ck'd by	Survey GEODETIC CONTROL F. B. 2460 PG. 231
Map No.	JN030100 Tape 221 M3 Std 84 °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes ADAMS Date 5-1-69
Date	Indexed C. J. GALLI 38 5 69

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

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION



L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC H9B
1969
SET BY
RE 5869
FOR INFORMATION ENGINEER

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

F. B. 2460 Pg. 24

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

LEBEC H 9 B

MEASUREMENTS (Pg 2 of 4)

300' TAPE #221	TEMP 58°	50 MTR TAPE #M-3
96.50' @ L = 96.48'	29.912 M @ L = 29.906 M = 96.476'	
35.35' @ L = 35.34'	10.777 M @ L = 10.774 M = 35.348'	

AREA: THIS TRIANGULATION STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE GORMAN AREA, ON A HILL MARKED "4871 TEJON LOOKOUT" IN THE N.W. CORNER OF SEC 8, T 8 N, R 18 W 100'± S. OF THE N. LINE & 1160'± E. OF THE W. LINE USE U.S.G.S. 7½' LEBEC QUAD SHEET.

ROUTE: TRAVELING EAST ON HWY 138, GO 1.5 MI. FROM QUAIL LAKE RD., TO OLD 138, TURN LFT. (N,LY & W,LY) & FOLLOW OLD 138 1.1 MI., TURN RT (N,E,LY) ON DIRT RD & TRAVEL 0.2 MI. TO A LOCKED GATE @ RANCH HOUSE (USE "L" KEY). THENCE 0.45 MI. N.LY TO "Y", @ TOWER LINE, TAKE LFT FORK & FOLLOW RD UP HILL 2.0 MI. TO Y BEAR LFT (NLY) 1.0 MI. TO MICRO WAVE SITE & STATION

STATION MARK: A 4" L.A. Co. SUR. CONT. SYS BRASS TRIANG. DISC, STAMPED "LEBEC H 9 B 1969 RE 5869", SET IN 6" CONC. POST, UP 3" NO SUB SURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" LA. Co. SUR. CONT. SYS, BRASS R.M. DISC. STAMPED "LEBEC H 9 B RM 1 1969 RE 5869" SET IN 6" CONC POST, UP 4"

RM 2: A 4" U.S.G.S BRASS DISC, STAMPED "TEJON" SET IN 4" X 6" CONC PAD UP 1"

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Checked
Date

Survey of GEODETIC CONTROL F. B 2460 PG. 25
JN 230,002 Topo Std °F
Surveyed by R. C. Wilson
Notes ADAMS Date 5-1-69
Indexed D. L. GALLI SEP 5 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC M 9 B

PG 3 OF 4

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6F3095 CE#310 3-68

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

F. B. 2460 PG 26

LEBEC N 9 B

PG 4 OF 4

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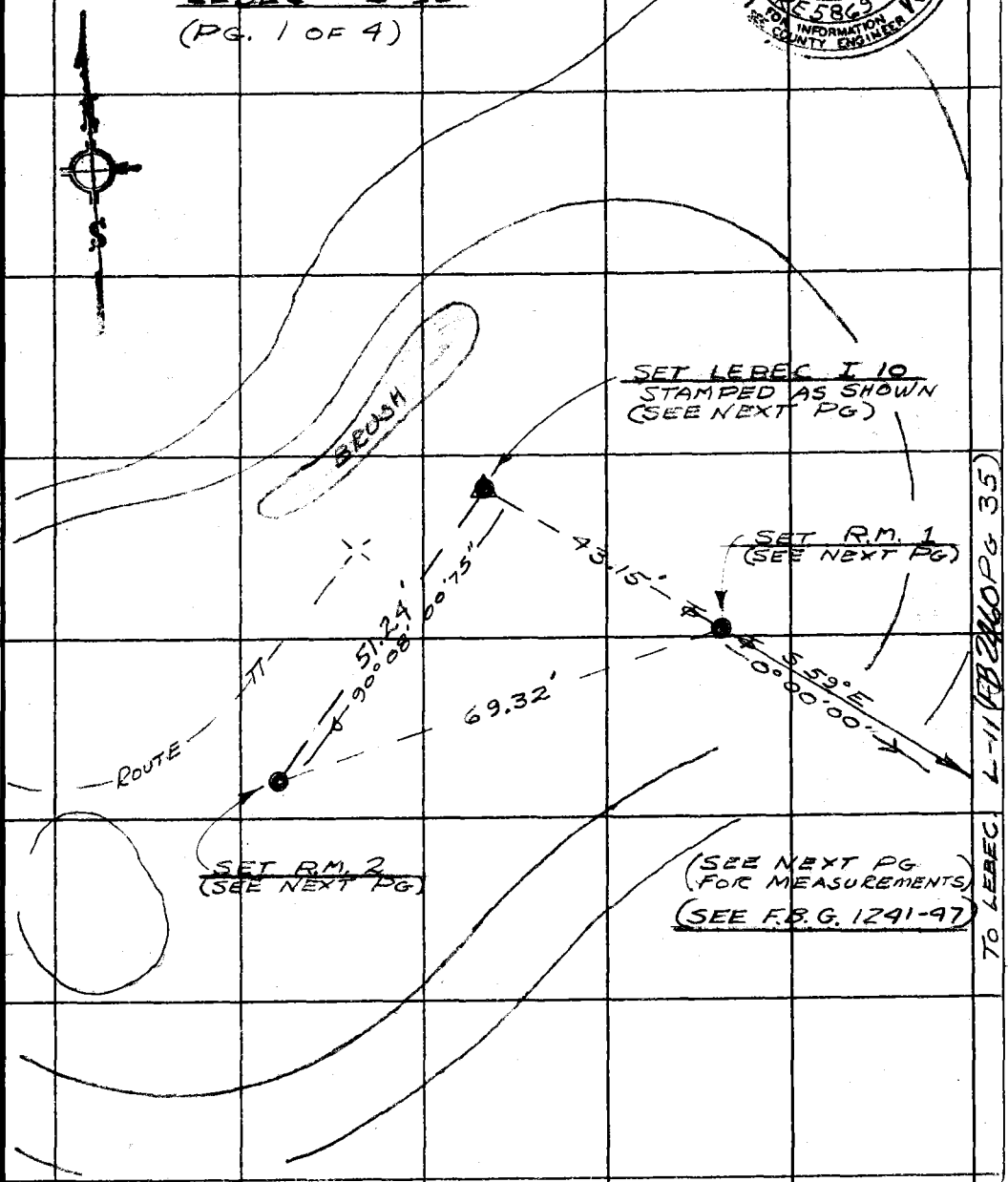
Notes Ck'd by	Survey GEODETIC CONTROL
Map No.	JN 0301.00 Tape 0243 M.B. Std 68 °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes ADAMS Date 4-30-69
Date	Indexed E. J. GALLI SEP 5

F. B. 2460 PG. 27

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

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC I 10
(PG. 1 OF 4)



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F. B 2460 PG. 28

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

LEBEC I 10 (PG 2 OF 4)

MEASUREMENTS

100' TAPE # 0243	TEMP = 74°	50 MTR TAPE # M3
43.15' @ L = 43.15'	13.149 M @ L = 13.149 M = 43.140'	
51.23' @ L = 51.23'	15.612 M @ L = 15.612 M = 51.220'	
69.32' @ L = 69.32'	21.129 M @ L = 21.129 M = 69.321'	

AREA: THIS TRIANGULATION STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE GORMAN AREA, ON A HILL APPROX. ON THE N.S. LINE BETWEEN SEC 8 & 9, T.8N., R18W, 2000'± S. OF SEC. COR. USE U.S.G.S. 7½' LEBEC QUAD SHEET

ROUTE: TRAVELING EAST ON HWY 138, GO 1.5 MI FROM QUAIL LAKE RD TO OLD 138. TURN L,FT (N,LY & W,LY) & FOLLOW OLD 138 1.1 MI. TURN RT. (N,LY & E'LY) ON DIRT RD. & TRAVEL 0.2 MI. TO A LOCKED GATE @ RANCH HOUSE (USE "L" KEY) THENCE 0.45 MI. N,LY TO "Y" @ POWER LINE TAKE LFT FORK & FOLLOW RD (NLY) UPHILL 2.0 MI TO "Y" BEAR LFT & FOLLOW RD 0.25 MI TO RD TO RT (N,LY) TN. RT (N,ELY) & FOLLOW T.T.S OVER ROLLING HILLS 0.1 MI TO STATION.

STATION MARK: A 4" L.A. CO. SUR. CONT. SYS. BRASS TRIANG DISC. STAMPED "LEBEC I 10 1969 RE 5869" SET IN 6" CONC. POST, UP 2". NO SUB SURFACE MARK SET.

REFERENCE MARKS:

R.M. 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS R.M. DISC STAMPED "LEBEC I 10 RM 1 1969 RE 5869", SET IN 6" CONC POST, UP 5". ON LINE TO LEBEC L 11

R.M. 2: SAME AS R.M. 1, EXCEPT STAMPED "RM 2" & UP 4" & NOT ON LINE TO LEBEC L-11

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Notes Ck'd by	Survey of GEODETIC CONTROL B. 2460 PG. 29
Map. No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes ADAMS Date 4-30-69
Date	Indexed C. L. GALLI

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC I 10
(PG 3 OF 4)

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16F309S CE#310 3-68

F. B. 2460 PG. 30

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

LEBEC I 10

PG 4 OF 4

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Map No.	JN0301 Tape — Std —
Office Work	Surveyed by J G RANDALL
Checked	Notes PYLE Date May 69
Date	Indexed C. L. GALLI SEP 5 '69

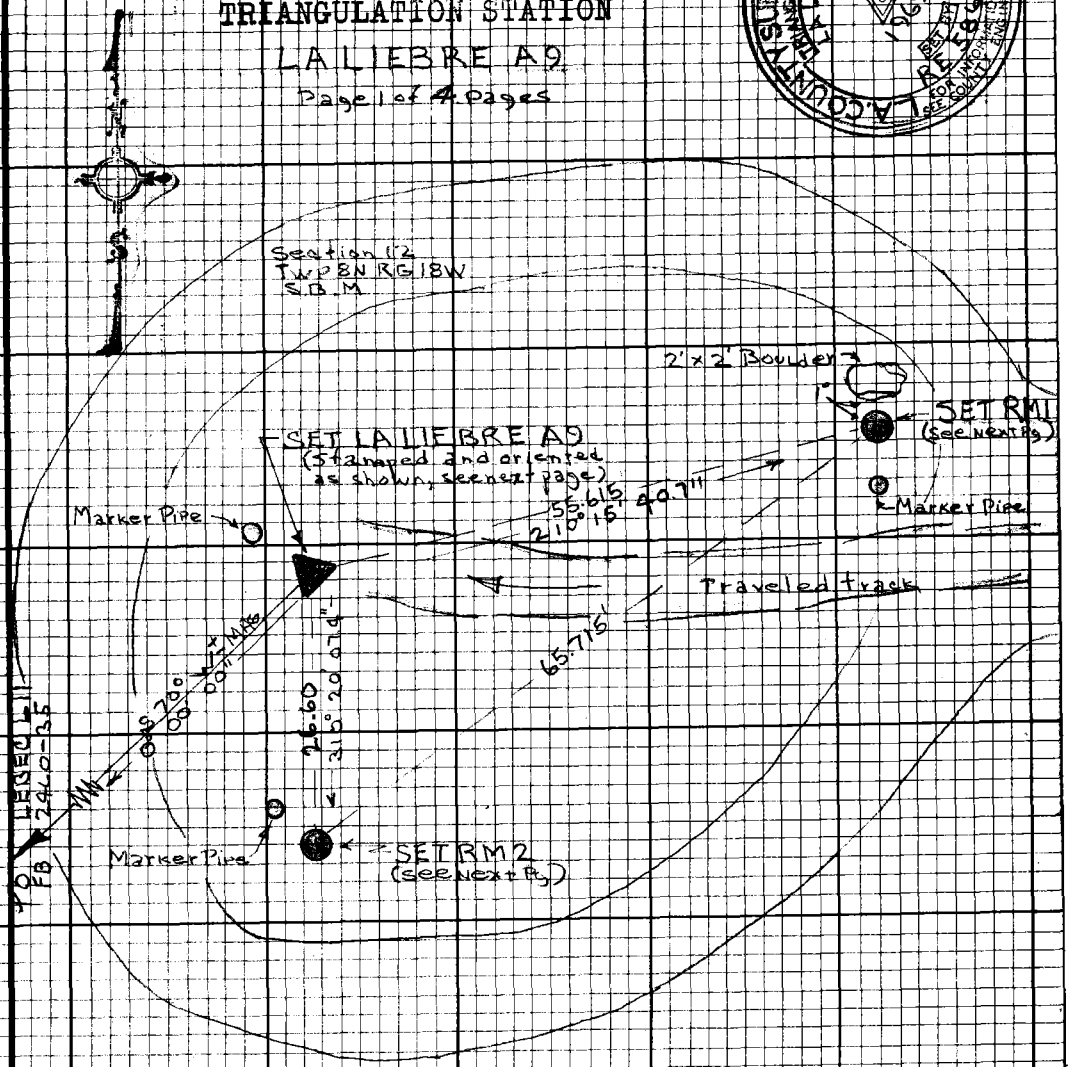
F.B. 2460 Pg. 31

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LA LIEBRE A9
1969
SET BY RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LA LIEBRE A9

Page 1 of 4 pages



Note: See FBG 1246-40 for directions
See next page for measurements

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LA LIEBRE A9

F/B 2960 Pg 32

Pg 2 of 4 pages

MEASUREMENTS:

300' TAPE Nº 175 TEMP 66° 50 METER TAPE Nº M6

55.625' = 55.615' @ level 16.952m = 16.95 m = 55.617'

24.60' = 24.60' @ level 8.109 m = 8.109 m = 26.60'

65.725' = 65.715' @ level 20.032m = 20.03 m = 65.72'

AREA: This TRIANGULATION STA. is located in LOS ANGELES COUNTY in the LA LIEBRE area of WEST ANTELOPE VALLEY, NORTH of OSO CANYON. 1250'± SOUTH and 1100'± EAST of the NORTHWEST corner of SECTION 12 TOWNSHIP 8N RANGE 16 WEST. See USGS 7½' sheet "LA LIEBRE RANCH" Quad. 1965

ROUTE: From the inter. of GOLDEN STATE FWY & HIWAY 138 travel E.W. 4.9 miles to the intersection of HIWAY 138 & cement plant road, follow the paved road N.W'ly 3.4 miles to a Traveled track on the left (SOUTH) Turn onto this and proceed upgrade on the spur rising to the SOUTHWEST. Travel 40 miles to the top of ridge and follow this SOUTH WESTERLY 1.40 miles to a round knob. Follow the ridge running in a WESTERLY direction to the station 1.20 miles

STATION MARK: A 4" LA. CO. SUR CONT. SYSTEM brass TRIANGULATION disc. Stamped "LA LIEBRE A9 1969 RE 5869". Set 4" above grade in an 8" concrete post

SUB SURFACE MARKS: None Set

REFERANCE MARKS: Nº1 A 4" LA CO SUR CONT SYSTEM brass REFERENCE MARK disc Stamped "LA LIEBRE A9 RM 1 1969 RE 5869" set 2" above grade

Nº2 Identical to Nº1 except stamped 2

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GEODETIC CONTROL

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Map No.	JN 6301/66 Tape — Std — °F
Office Work	Surveyed by J.G. RANDALL
Checked	Notes PYLE Date MAY 65
Date	Indexed C.J. GALLI SEP 5

F. B. 2460 PG. 33

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LA LIEBRE A9

(Page 3 of 4 pages)

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16F309S CE#310 3-68

F. B. 2460 PG. 34

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LA LEBRE A9

(Page 4 of 4 pages)

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Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 10-21-68
Date	Indexed C. J. GALLI SEP 5 '68

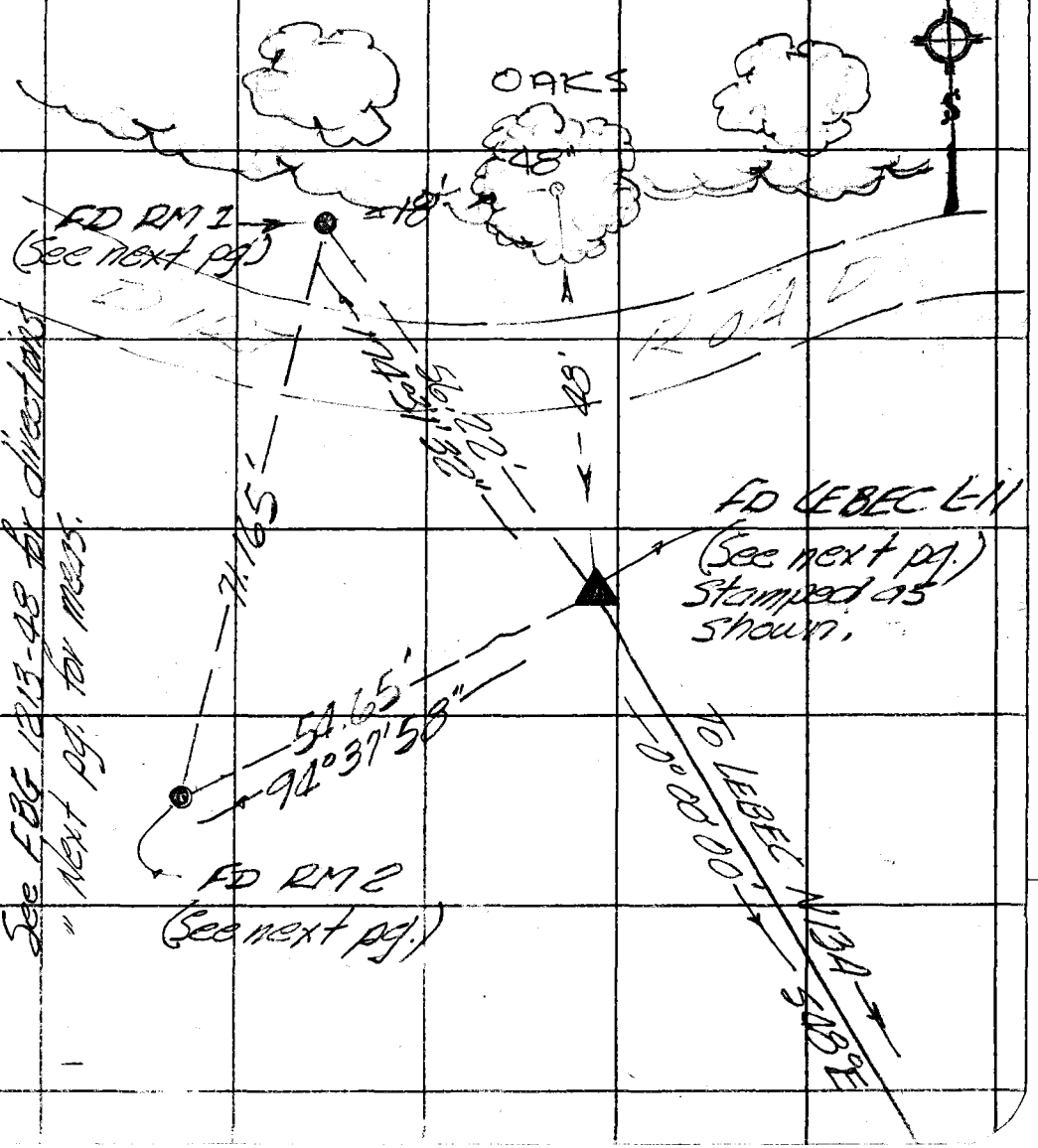
F. B. 2460 PG. 35 ✓

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

U.S. COAST & GEODETIC SURVEY
TRIANGULATION STATION
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C.
$250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK.
GERMAN
1938

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

LEBEC L-11
(USC&GS 341184-1030)
PG 1 of 4



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76F309S CE#310 3-68

GEODETIC CONTROL

F. B 2460 PG 32 L

A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION

LEBEC L-11

PG 2 of 4

STOC 84°	MEASUREMENTS	STOC 84°
300' ± 221	@ Level @ 82°T 50 MKR M-3	
56.22' = 56.22'	17.133m = 17.133m =	56.21'
54.65' = 54.65'	16.657m = 16.657m =	54.65'
71.165' = 71.165'	21.689m = 21.689m =	71.16'

AREA: This triang. sta. is located in the N.W. portion of L.A. Co., near German, 600' E & 400' So. of the N.W. Cor. of Sec. 15, T8N, R19W on a ridge marked "GERMAN 4240" on the Lebec 7½' quad sheet.

ROUTE: From the junction of Hwy 138 at the old Highway 138 (Lancaster Rd) turnoff: travel W'ly toward German on old Hwy 138 1.10 mile to a dirt rd on the rt. @ the top of a divide, turn rt and travel 0.15 mile to a gate and a ranch house; (1 key) pass thru gate and follow Tejon Tower L.O. Rd. upgrade 0.45 mile to a fork: turn left (N'ly) upgrade 1.3 mile to a fork: bear right (E) & follow road easterly up over ridge and down along top of spur thru timber for 0.45 miles to the station on the right.

STATION MARK: A 4" USC&GS brass triang. disc stamped "GERMAN 1938" and set in a 12"x12" conc. pad flush with the ground. Sub-surface mark was set per USC&GS 34/184-sta 1030 description.

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Survey GEODETIC CONTROL F. B. 2460 PG. 37
JN Tape Std °F
Surveyed by R. C. Wilson
Notes R. C. Wilson Date 10-21-68
Indexed D. T. GALLI SEP 5 '69

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

LEBEC (R 30 of 4)'

REFERENCE MARKS:

NO. 1 - A 4" U.S.C.&G.S. brass ref. mark disc stamped "GERMAN NO 1 1938" 5" above ground and set in a 12"x12" conc. pad.

NO. 2 - A 4" USC&GS brass benchmark disc stamped "RM NO 2 1938" 9" above ground and set in a 6"x6" conc. post.

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16F3095 CE#310 3-68

F. B 2462 PG 38

LEBEC L-11
(Pg 4 of 4)

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GEODETIC CONTROL

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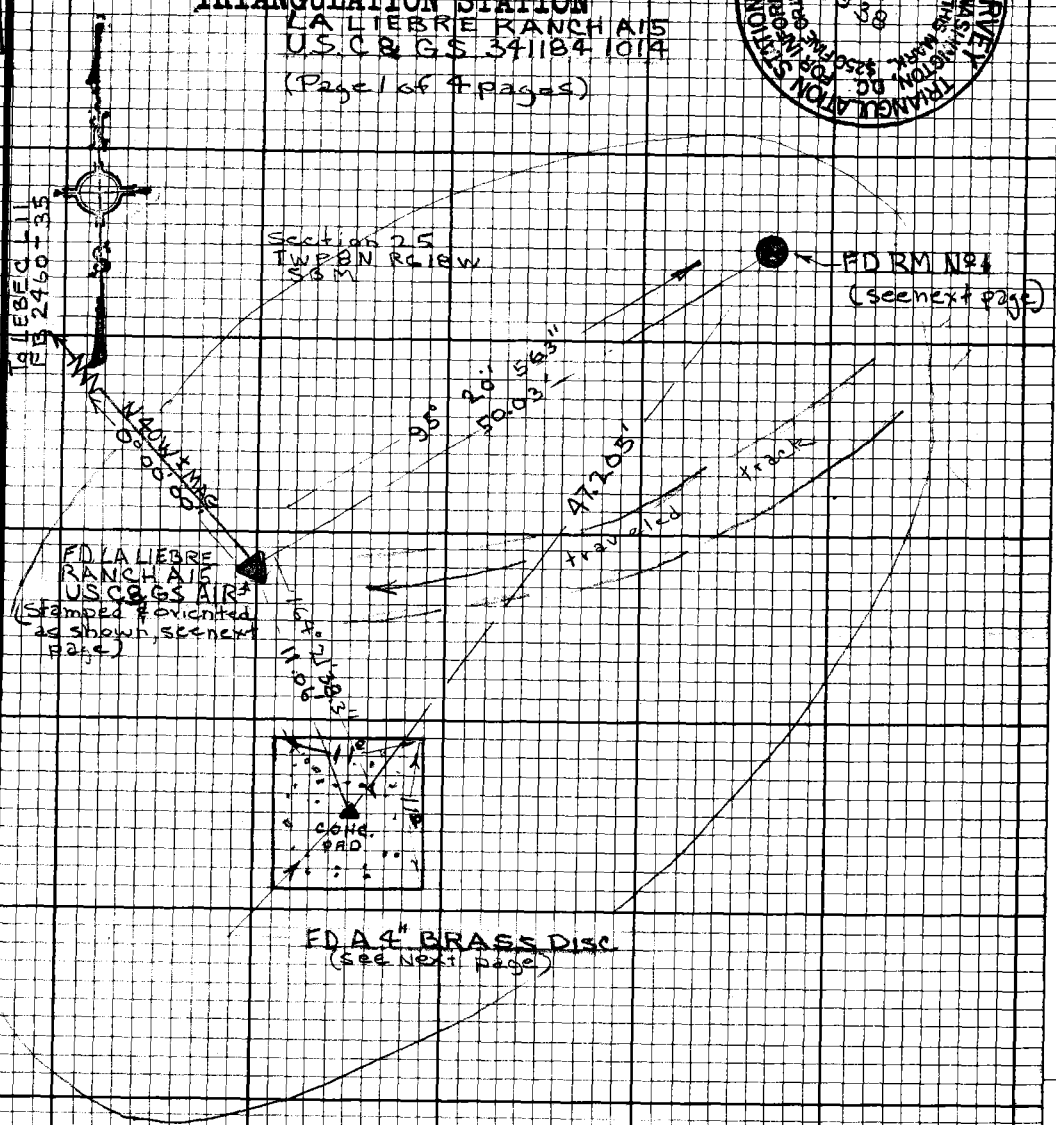
Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by J G RANDALL
Checked	Notes PYLE Date MAY 69
Date	Indexed C.L. GALLI SEP 5 '69

F.B. 2460 Pg. 39

U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C.
$250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK.
AIR 1938

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LA LIEBRE RANCH A15
U.S.C.&G.S. 341184 1014
(Page 1 of 4 pages)



NOTE: See F.B.C. 1307-48 for directions.
See next page for measurements.

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Placed on Bar. Div. W.S. No.
Sketch on Geo. Desc. Card

75F3098 CE #310 9-67

FB. 2466 PG 40

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LA LIEBRE RANCH AIR
USC&GS 1938

(Pag 2 of 4 pages)

MEASUREMENTS

300' Tape Nº 175

47.215' = 47.205
50.04' = 50.03
11.06' = 11.06

Temp 62°
@ Level
@ Level
@ Level

50 Meter Tape Nº M6

14.387M = 14.387M = 47.20'
15.250M = 15.250M = 50.035'
3.370M = 3.370M = 11.06'

AREA: This TRIANGULATION STATION is located in LOS ANGELES COUNTY in the LA LIEBRE area of WEST ANTELOPE VALLEY SOUTH of QUAIL LAKE on BALD MOUNTAIN. 32.00'± South and 1700'± EAST of the NORTH WEST Cor. of Section 25 TWP 8N RG 18W SBM. See USGS. 7½' sheet "LA LIEBRE RANCH" Quad 1965

ROUTE: From the intersection of Hiway 138 & RIDGE ROUTE ROAD, travel Southerly upgrade on RIDGE ROUTE ROAD 2.2 Miles to the junction of PINE CANYON ROAD and a paved road to the right which leads to the U.S. WEATHER STATION. Turn right (WEST) and travel upgrade on the weather sta road 1.0 Miles to a metal gate and a dirt road to the right. Turn right (WLY) and travel on dirt rd 0.65 Miles, pass a water tank on the left and continue WLY 0.3 miles to a right curve in the road and a traveled track straight ahead. Thence straight on the traveled track (WLY), 0.4 Miles (road curves NLY), to its end. The station is 100'± to the right (SLY) and at the highest point about 15' higher than the road.

STATION MARK: A 4" U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION brass disc, Stamped "AIR 1938." Set in a 10"x10" concrete pad 3" above grade.

CONTINUED ON PAGE 3

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Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by J G RANDALL
Checked	Notes CKLP Date May 69
Date	Indexed E.L.GALLI Sep 5 '69

F.B. 2460 Pg. 41

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LA LIEBRE RANCH A15
USC&GS 341184 1014
(Page 3 of 4 pages)

SUB SURFACE MARKS: None set, per USC&GS station card.

REFERENCE MARKS: No1 A4" USC&GS brass bench mark disc Stamped "RM NO1" Set in a 6"x6" concrete pad 4" above grade.

A 4" brass USGS disc stamped "LINT BEACON-A" set flush in an 11'x11' concrete pad.

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75F3098 CE#310 9-67

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F.B. 2460 Pg 42

LA LIEBRE RANCH A15
USC&GS 341184 1014

(Page 4 of 4 pages)

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GEODETIC CONTROL

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Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by J.G. Randall
Checked	Notes Date May-69
Date	Indexed C.T. GALLI Sep

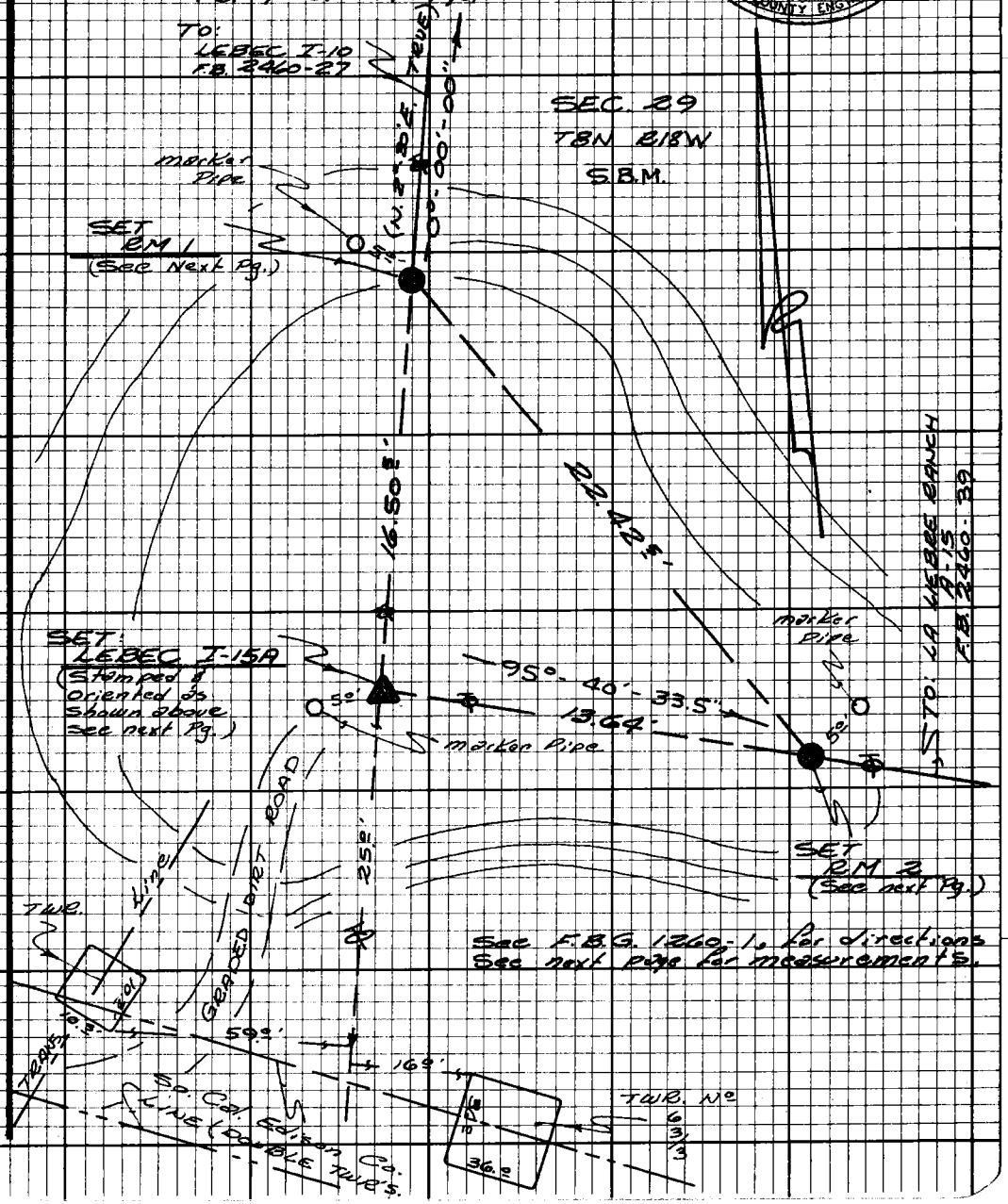
F.B. 2460 Pg. 43

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC I 15A
1969
SET BY RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC I 15A

PG. 1 of 4 Pgs.



See F.B.G. 1260-1, for directions
See next page for measurements.

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Sketch on Geo. Desc. Card

76E3098 CE #310 9.67

F.B. 2460 Pg 44

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC I 15 A

Pg 2 of 4 pg's.

MEASUREMENTS:

300' TAPE No. 175 TEMP. = 60° 50 MTR. TAPE M-6

16.50^{S}' = 16.50^{S}'	@ Lev.	5.168 # 5.032m = 5.032m = 16.51'
13.64' = 13.64'	@ Lev.	4.156m = 4.156m = 13.63^{S}'
22.42^{S}' = 22.42^{S}'	@ Lev.	6.836m = 6.836m = 22.42^{S}'

AREA: This TRIANGULATION STATION is located in the L.A. Co., in the Peace Valley area of the N.W. portion of the county. About 3 1/2 mi. S.E. of Garman. 550'± So. & 600'± West of the N.E. Cor. of Sec. 29-7N R. 18W S.B.M. See U.S.G.S. 7 1/2 min sheet "LEBEC, CALIF."

ROUTE: North bound on Interstate 5, about 3.5 mi. So. of Garman, take the "Quail Lake Rd." off ramp. Turn left (West) on Quail Lake Rd, pass under freeway and drive 150'± to Peace Valley Rd. Turn left (South) and drive, parallel to the freeway, 0.1^{S} mi. to a dirt road on the right (West). This is a drive way to a ranch. Turn right (West) and drive between two fences 0.3 mi., to a locked gate (L-Key). The N.E. Cor. of Sec. 29 is under the gate on the hinge side. Pass through gate and continue slightly up-grade, past a cattle loading pen on the left, 0.3 mi. to a fork, br. left (Southly) and up-grade 0.1^{S} mi. to a fork, br. left (Easterly) still up-grade 0.3^{S} mi. to a level area just South of Edison Co. Transmission Line (Running E. & W.). Turn left and drive toward the northerly most line of towers, br. slightly east passing under a single transmission line running N. & S. The station is about 5' higher than the road and 25' North of Tower #3/3

STATION MARK: A 4" L.A. Co. Sur. Cont. System brass TRIANGULATION disc stamped "LEBEC I 15 A 1969 RE 5869", up 6" in a 12" x 12" conc. pad

SUB-SURFACE MARK: None Set

Continued on Pg. 3 of 4 pg's.

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GEODETIC CONTROL

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Map No.	JN 030100 Tape — Std — °F
Office Work	Surveyed by Randall
Checked	Notes JDR Date May-69
Date	Indexed C.L. GALLI SEP 5 '69

F.B. 2460 Pg. 45

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC I 15 A

Pg. 3 of 4 pg's

REFERENCE MARKS:

Nº 1: A 4" L.A. Co. Sur. Cont. System brass REFERENCE MARK disc stamped "LEBEC I 15A RM1 1969 RE5869", up 8" in a 12"x12" conc. pad. On line to LEB. I-10.

Nº 2: Identical to RM1 except stamped "RM2", & on line to LA LIEBRE RANCH A 15.

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L. A. COUNTY SURVEY CONTROL SYSTEM

F.B. 2460 Pg 46

TRIANGULATION STATION

LEBEC 1 15 A

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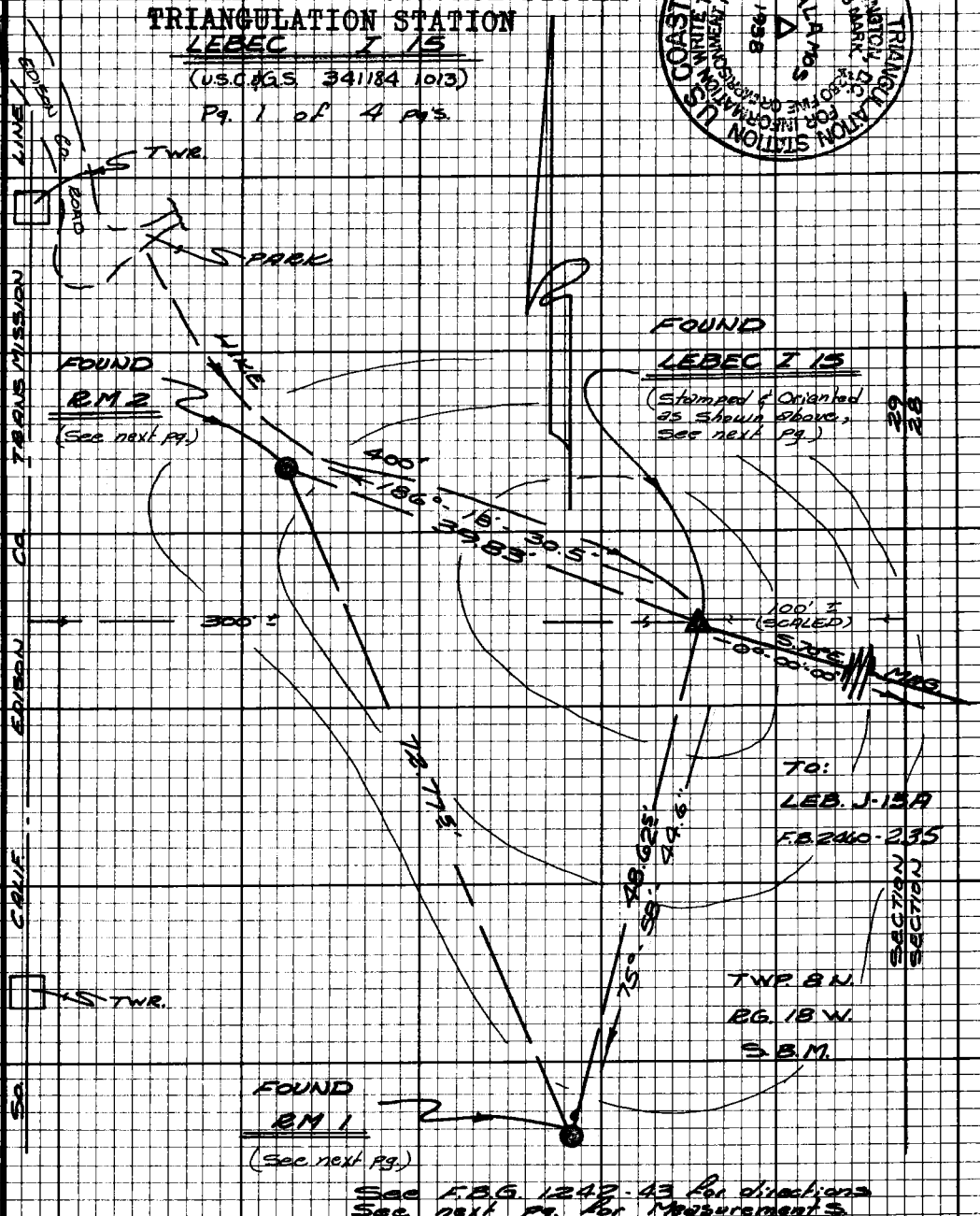
Map No.	JN 430100 Tape — Std — °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes JDR Date Jan. 69
Date	Indexed C. J. GALLI SEP 5 '69

F.B. 2460 Pg. 47

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC I 15
(U.S.C.&G.S. 341184 1013)

Pg. 1 of 4 pg's.



See F.B.G. 1242-43 for directions
See next pg. for Measurements

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U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION
WRITE TO THE DIRECTOR WASHINGTON, D.C. FOR INFORMATION WHEN PERSONNEL OR DISTURBING THIS MARK. 1938 ALAMOS

76F3098 CE # 310 9.67

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F.B. 2460 Pg 48

LEBEC I 15

Pg. 2 of 4 pg's.

MEASUREMENTS:

300' TAPE Nº 175 TEMP. = 50° SOMTR TAPE Nº M-6

48.635' = 48.62$\frac{5}{8}$' @ Lev. 14.828m (80)(23) = 14.820m = 48.62$\frac{5}{8}$'

39.84' = 39.83' @ Lev. 12.144m = 12.141m = 39.83$\frac{5}{8}$'

45.11
27.685
72.795' = 72.77$\frac{5}{8}$' @ Lev. 13.861m, 13.749m, 8.438m = 22.187m = 22.181m = 72.77$\frac{5}{8}$'

AREA: This TRIANGULATION STATION is located in Los Angeles Co. in the Peace Valley area of the N.W. portion of the County. About 3½ miles S.E. of Gorman. 200'± N. & 100'± W. of the E. ¼ Cor. of Sec. 29 - 7 8N - R 18W. S.B.M. Sec. U.S.G.S. 7½ min sheet "LEBEC, CALIF.".

ROUTE: North bound on Inter State 5, about 3½ mi. So. of Gorman, take the "Quail Lake Rd." off ramp. Turn left (West) on Quail Lake Rd, Pass under Freeway and Continue 150'± to Peace Valley Rd. Turn left (South) and drive, parallel to the Freeway, 0.$\frac{1}{8}$ mi. to a dirt road on the right (West), This is a driveway to a ranch. Turn right and drive between two fences, dirt road, 0.3 mi. to a locked gate. The N.E. Cor. of Sec. 29 is under the gate, on the hinged side. Pass through the gate (L-Key) and Continue Slightly up-grade past a Cable loading pen on the left (South'ly) 0.3 mi. to a fork. Br. left (South'ly) and drive up-grade 0.$\frac{1}{8}$ mi. to a fork, Br. left (East'ly) Still up grade. 0.$\frac{3}{8}$ mi. to a level area just South of a Edison Co. Transmission Line (Double set of Towers) running East'ly & West'ly, & west of a Single Single Tower trans mission line running North & South. Turn South (right) and pass through an opening in the fence, drive parallel to the Single Tower line, down grade, past a Tower on the left 0.4 mi. to a level area near a Tower. This is the end of the road. Hike S.E.'ly up the ridge 400'± to the Station on the highest point.

Continued of pg. 3 of 4 pg's.

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GEODETIC CONTROL

Notes Ck'd by	Survey of N.W.L.A.Co.
Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes [illegible] Date Jun 69
Date	Indexed C. J. GALLI SEP 5 '69

F.B. 2460 PG. 49

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC 1 15
(U.S.C.&G.S. 341184 1013)
Pg. 23 of 4 Pg's.

STATION MARK: A 4" U.S.C.&G.S. brass TRIANGULATION disc stamped "ALAMOS 1938", up 4" in the bell portion of a 4" dia. piece of C.I. Soil pipe. No sub-surface mark was established per the U.S.C.&G.S. Station card.

REFERENE MARKS:

No 1: A 4" U.S.C.&G.S. brass REFERENCE MARK disc stamped "ALAMOS No. 1 1938", up 6" in the bell portion of a 4" dia. piece of C.I. Soil Pipe.

No 2: Identical to RM1 except stamped "No. 2"

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75F3098 CE#310 9-67

F.B. 2460 Pg. 50

L. T. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC J 15

Pg 4 of 4 pgs.

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GEODETIC CONTROL

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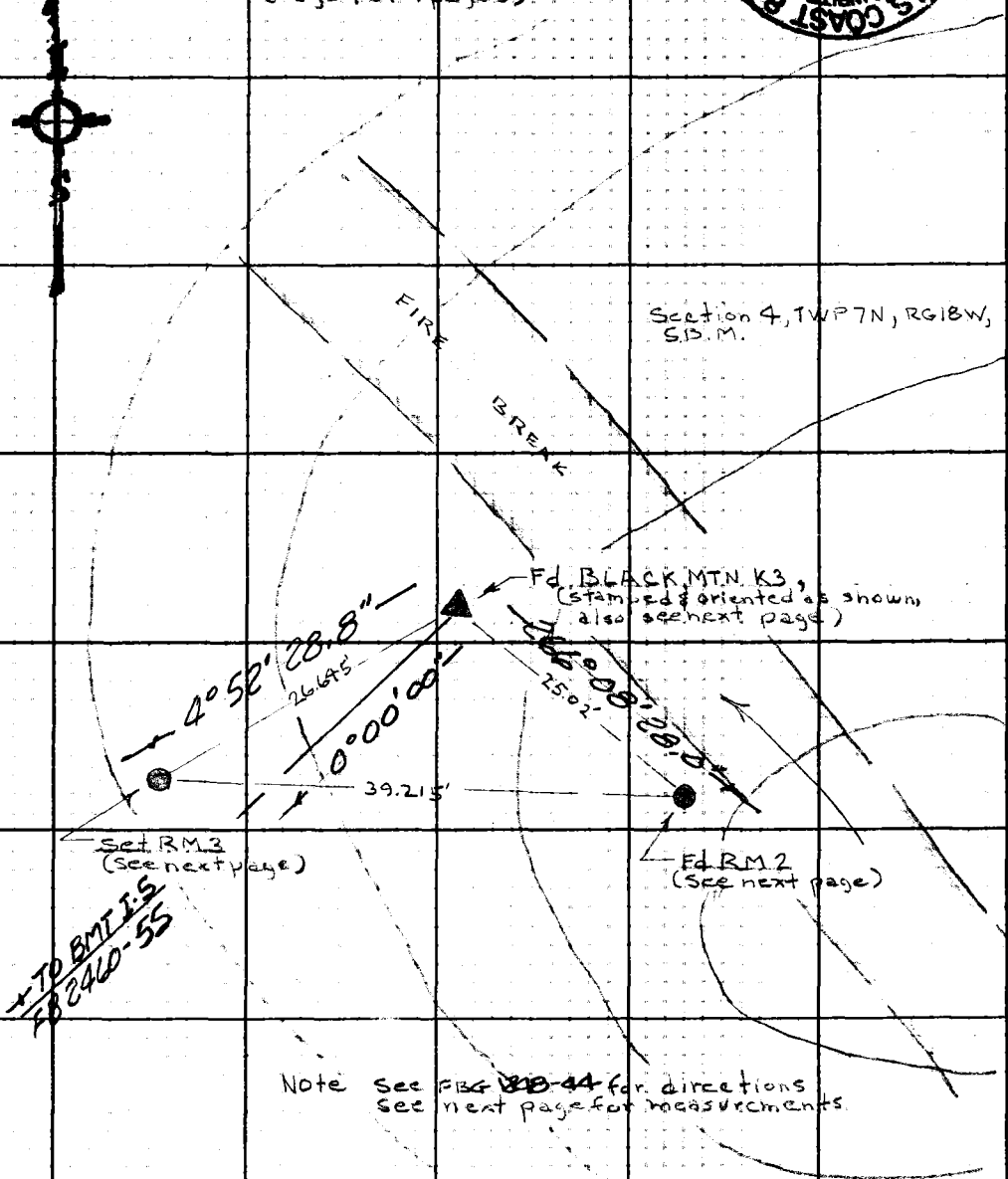
Map No.	~~IN 3301.02~~ Tape ~~Std.~~ °F	
Office Work	Surveyed by J.G. RANDALL	
Checked	Notes FYLE Date JUNE '69	
Date	Indexed ELL GALLI SEP 5 '69	

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

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN. K3
USC&GS, 341184, 1029
(Page 1 of 4 pages)



Note See FBG ~~[illegible]~~-44 for directions
See next page for measurements

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76F309S CE#310 1-65

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 Pg. 52

BLACK MTN. K3
(Page 2 of 4 pages)

MEASUREMENTS

300' TAPE 180	TEMP. 86°	50 METER TAPE M6
25.02' = 25.02'	@ Level	7.625 M = 7.625 M = 25.018'
26.645' = 26.645'	@ Level	8.120 M = 8.120 M = 26.642'
39.215' = 39.215'	@ Level	11.951 M = 11.951 M = 39.211'

AREA. This TRIANGULATION STA. is located in L.A. CO. in the GORMAN AREA, in the NE Quarter of section 4 T7N, R18W on a hill marked "CASWELL 3703" 650'± W of the E. section line & 1000'± S. of the N. section line. See U.S.G.S. 7½' sheet "BLACK MTN. CALIF." Quad. 1958

ROUTE Traveling South on GOLDEN STATE FREEWAY, GO 4.0 miles from QUAIL LAKE RD. to the junction of COPCO RD. TURN Left (E,LY) on COPCO .10 miles then Left (N,LY) .80 miles to a travel track on a fire break rising, on the Right, (EAST) side of the road. With a 4 wheel drive vehicle ascend the fire break a distance of 0.75 miles. Park and continue on foot 300'± to the top of the ridge, thence Left (N,LY) along a fire break 2000'± to the station at the summit.

STATION MARK A 4" U.S.C.&G.S. brass TRIANGULATION disc stamped "CASWELL 1938" set in a 4" cast iron soil pipe projecting 6" above grade No record of sub-surface mark being set.

REFERENCE MARKS RM Nº1 found destroyed.

RM. Nº2 A 4" U.S.C.&G.S. brass REFERENCE MARK disc stamped "CASWELL NO2 1938." set in a 4" cast iron soil pipe projecting 6" above grade

CONTINUED TOP OF PAGE 3

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Survey of N.W.L.A.CO.
Tape Std °F
Surveyed by T.G. RANDALL
Notes PYLE Date MAR 69
Indexed

F. B. 2466 PG. 53

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN K3
(Page 3 of 4 pages)

RM No 3 A 4" L.A. CO. SUR. CONT SY. brass REFERENCE MARK disc, stamped "BLACK MTN K3 RM3 1969 RE5869" set on a 2" iron pipe 4" above grade with a rock mound.

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 1460 Pg 54

BLACK MTN K3

(Page 4 of 4 pages)

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Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by J. G. RANDALL
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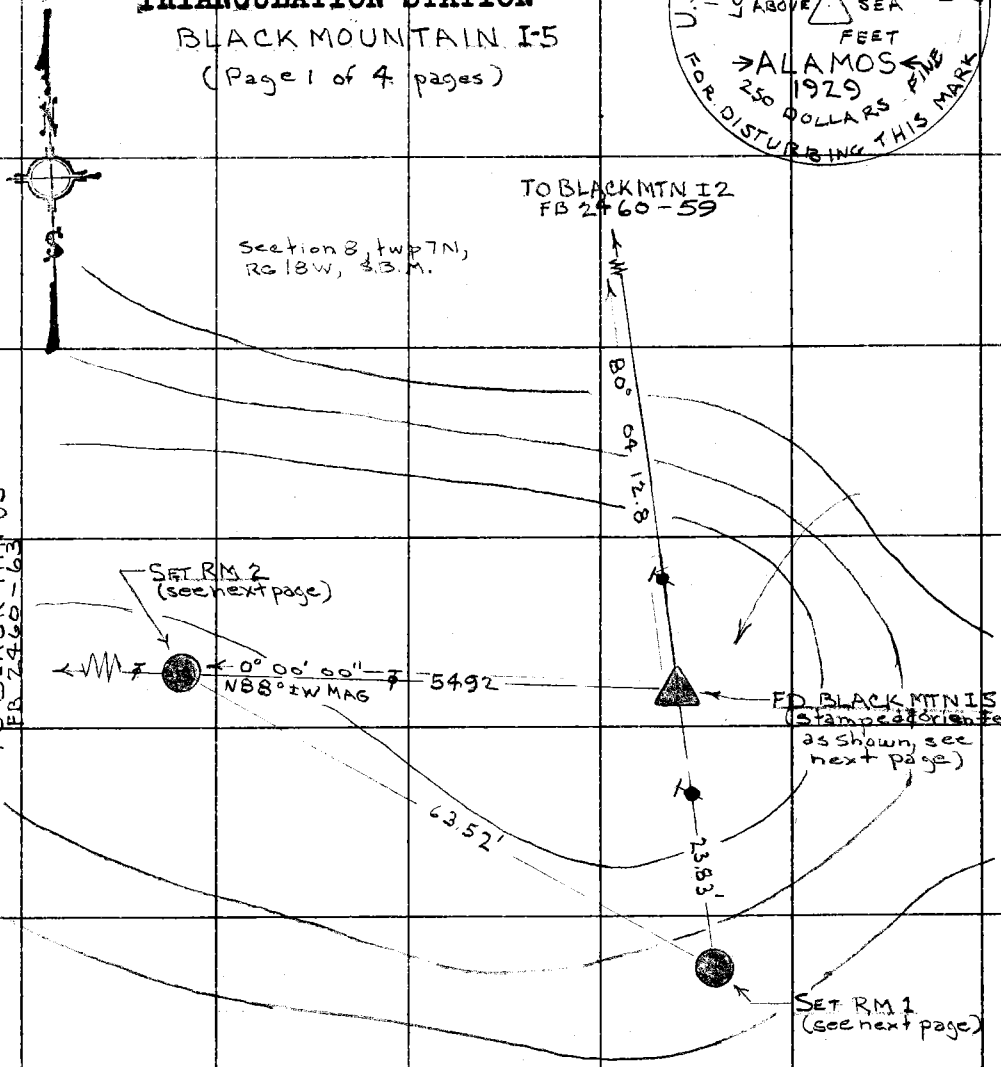
Date	Indexed C.J. GALLI SP 5 '69

F. B. 2460 PG. 55 ✓

U.S. GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY
L-B-7
ELEVATION ABOVE SEA FEET
→ALAMOS← 1929
250 DOLLARS FINE
FOR DISTURBING THIS MARK

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MOUNTAIN I-5
(Page 1 of 4 pages)



NOTE: See FBG 1246-48 for directions
see next page for measurements

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76F309S CE#310 3-68

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 PG. 56

BLACK MOUNTAIN I-5
(Page 2 of 4 pages)

MEASUREMENTS:

300' TAPE 182	TEMP @ 80°	50 METER TAPE M3
23.83' = 23.83'	@ Level	7.262M = 7.262M = 23.83'
54.92' = 54.92'	@ Level	16.737M = 16.737M = 54.915
63.52' = 63.52'	@ Level	19.359M = 19.359M = 63.52

AREA: This station is located in L.A. CO. in the CASWELL AREA 1550' ± NORTH & 800' ± WEST of the SOUTH EAST Corner of Section 8 TOWNSHIP 7N RANGE 18W on top of the hill marked ALAMOS △ 3256 See U.S.G.S. 7½' sheet "BLACK MOUNTAIN" Quad 1958

ROUTE: From the junction of GOLDEN STATE HIGHWAY & LOWER HUNGRY VALLEY ROAD. Travel WEST across a cattle guard 0.15 miles to a "Y". Turn Left (SLY) and proceed .05 miles, turn Right (WLY) leaving the road travel up a draw to the base of a ridge. The station is on top of this ridge in a WLY. direction 0.20 miles. Golden State Hiway & Lower Hungry Valley Rd. Junction is 6 miles S. of GORMAN.

STATION MARK: A 4" USGS IN COOPERATION WITH LOS ANGELES COUNTY brass disc stamped "L-B-L→ALAMOS 1929" Set in a 6" x 6" concrete post 6" above grade.

SUB SURFACE MARK: No record of any being set.

REFERENCE MARKS: №1 6" L.A. CO. SURV. CONT. SY. brass REF. MARK disc. stamped "BLACK MTN I5 RM1 1969 RE 5869" on a 2" I.P., 6" above grade with a rock mound set on line produced from BLACK MTN I2

№2 Identical to №1 except stamped "2" and set on line to BLACK MTN D5

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Office Work	Surveyed by J.G. RANDALL
Checked	Notes PYLE Date MAY 69
Date	Indexed C.L. GALLI SEP 5 '69

F. B. 2466 PG. 57

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN I-5

(Page 3 of 4 pages)

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 PG. 58

BLACK MTN 15

(Page 4 of 4 pages)

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Map No.	JN 930100 Tape ___ Std. ___ °F
Office Work	Surveyed by J.G. RANDALL
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Date	Indexed D.J. GALLI SEP 5 '88

F. B. 2460 PG. 59 ✓

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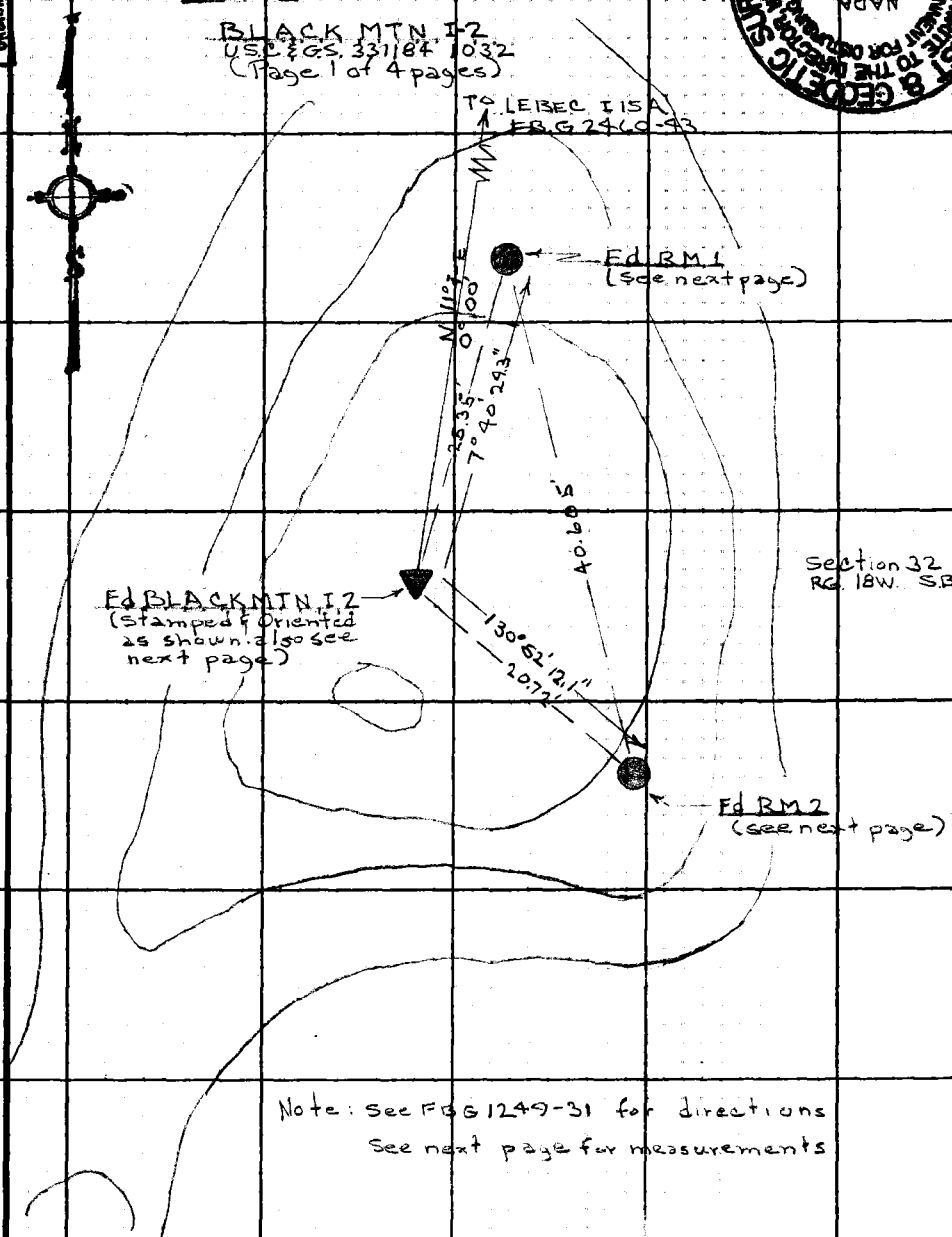
U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C. $250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK
NADA 1938

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION



Note: See FBG 1249-31 for directions
See next page for measurements

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76F309S CE#310 1-65

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 PG 60

BLACK MTN I-2

(Page 2 of 4 pages)

MEASUREMENTS

300' TAPE 221	@	TEMP. 52°	50 METER TAPE M3
25.36 = 25.35	@	Level	7.730 = 7.727 = 25.35
20.72 = 20.72	@	Level	6.314 = 6.314 = 20.715
40.61 = 40.60	@	Level	12.380 = 12.377 = 40.614

AREA: This TRIANGULATION STA is located in LOS ANGELES CO in the SOUTHERN portion of PEACE VALLEY, 1500'± N & 2000' W of the S.E. corner of Sec. 32, T8N, R 18W S.B.M. See USGS 7½' sheet "BLACK MTN, CALIF." Quad 1958.

ROUTE: From the junction of HIWAY 99 & COPCO AVE, which is approximatly 9 miles SOUTH of GORMAN, travel N,LY 0.5 miles to a paved road (no name) on the left (W,LY). Turn left and follow this road W,LY 2.9 miles to a right ∆ turn thence N,LY 1.0 miles to pavements end. Continue straight on a dirt road (N,LY) then (N.W,LY) 0.2 miles to a traveled track to the Left (S.W,LY). Follow the traveled track .10 miles to the head of the draw. Park and hike S.W,LY up the ridge, approximatly 20 minutes, to its peak and the station.

STATION MARK A 4" U.S.C.&G.S. brass TRIANGULATION disc stamped "NADA 1938" set in a 4" cast iron soil pipe 8" above grade. No record of any sub-surface mark being set.

REFERENCE MARKS

No 1 A 4" USC&GS brass REFERENCE MARK disc stamped "NADA, NO 1, 1938" set in a 4" cast iron soil pipe 5" above grade.

(continued top of page 61)

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Map No.	JNo. 301-00 Tape Std. °F	
Office Work	Surveyed by J.G. RANDALL	
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Date	Indexed [illegible]	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN. I-2
(Page 3 of 4 pages)

No 2 A 4" U.S.C.&G.S. brass REFERENCE MARK disc stamped "NADA NO 2" 1938. set in a 4" cast iron soil pipe 8" above grade.

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76F309S CE#310 1-65

F. B. 2460 Pg 62

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN. 12

(Page 4 of 4 pages)

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Map No.		JN 030100 Tape	Std °F
Office Work		Surveyed by	J. G. RANDALL
Checked		Notes	PYLE Date Mar 69
Date		Indexed	C. L. GALLI SEP 5 69

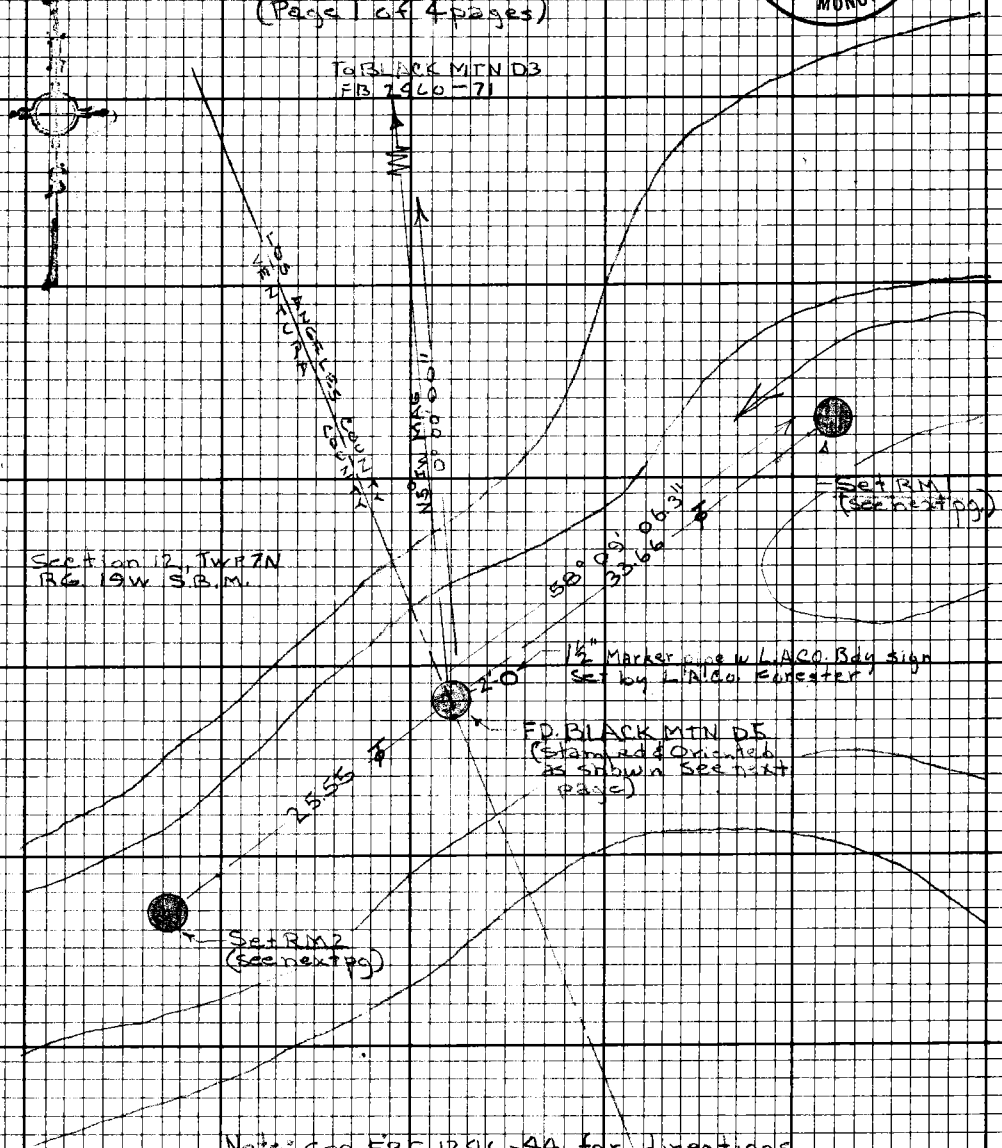
F.B. 2460 Pg. 63 ✓

COUNTY SURVEYOR'S MONUMENT

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN D5

(Page 1 of 4 pages)



Note: see FBG 1246-44 for directions
see next pg for measurements

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FB. 2460 Pg. 64

BLACK MTN. D5

(Page 2 of 4 pages)

MEASUREMENTS:

300 TAPE 180	TEMP @ 80°	50 METER TAPE M4
33.66' = 33.66'	@ Level	10.241 M = 10.241 M = 33.66.5'
25.55' = 25.55'	@ Level	7.788 M = 7.788 M = 25.55'

AREA: This station is located on the LA/VEN. Co. line in the CANADA DE LOS ALAMOS area of WEST L.A. CO. 2000'± N & 1900'± W of the S.W. Corner of Section 12 TOWNSHIP 7N RANGE 19W See USGS 7½' sheet "BLACK MOUNTAIN" Quad. 1958

ROUTE: From the intersection of ala Highway 99 & Hungry Valley Rd. Travel SLY 4.1 miles, passing through 4 fences and crossing a cattle guard, to a "Y". Keep str. (SLY) and continue .10 miles to another "Y". Keep Right and .10 miles further continue straight when the road turns Right. Travel .15 miles more and then turn Left (West). After .25 miles bear Right at a "Y" through a gate in the fence. 1.3 miles further past the LANE RANCH BLDGS. Continue (ELY) .50 miles and turn Right (SLY) at a cattle guard in the fence-line. At a distance of .20 miles cross the junction of ALAMO RD & BUCK CREEK RD. Keep straight on BUCK "Y" .30 miles to a cattle guard, cross it and after .20 more miles park. The station is atop the spur which begins rising to the WEST of the road. Approx 1600 away from the road. Note this route passes BLACK MTN. D4 which is 400' WEST of the LANE RANCH Bldgs.

STATION MARK: A 2½" COUNTY SURVEYOR brass disc stamped "V. CO. L.A.CO. CO. BDY." Set in a 6" conc. post 4" above grade

SUB SURFACE MARK: None Set.

REFERENCE MARKS: №1 A 4" L.A.CO. SUR. CONT. SY. brass REF. MARK disc stamped "BLACK MTN D5 RM1 1969 RE E8C9" Set in a 8" concrete pad 1" above grade.

№2 Identical to №1, except stamped "2" Set 4" above grade.

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JN 0301 Tape — Std — °F
Surveyed by T G RANDALL
Notes FYLE Date MAY 69
Indexed D.L.GALLI SEP 5 '69

F. B. 2460 PG. 65

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN D5

(Page 3 of 4 pages)

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 PG 66

BLACK MTN D5

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GEODETIC CONTROL

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Map No.	JN030100 Tape ___ Std ___ °F
Office Work	Surveyed by J. G. RANDALL
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Date	Indexed [illegible]

F. B. 2460 PG. 67 ✓

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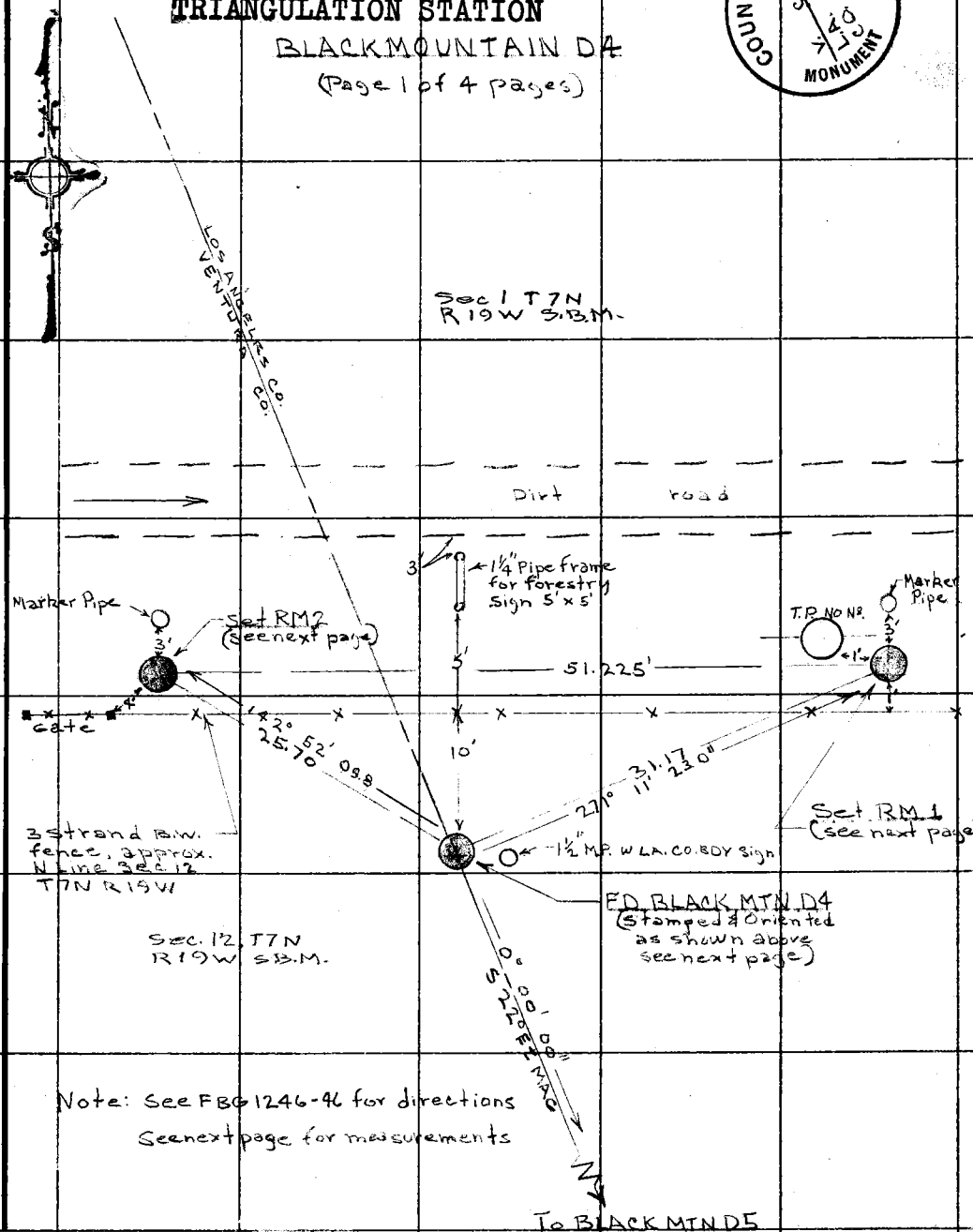
COUNTY SURVEYOR'S MONUMENT

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACKMOUNTAIN D4
(Page 1 of 4 pages)



Note: See FBG 1246-46 for directions
See next page for measurements

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2640 PG 68

BLACK MTN D4

(Page 2 of 4 pages)

AREA: This station is located on the LA./VEN. CO Line in the CAÑADA de LOS ALAMOS area of WEST L.A. CO. in the vicinity of the LANE RANCH BLDGS. 10'± SOUTH & 2400'± EAST of the NORTH WEST Corner of Section 12 TOWNSHIP 7N R19WEST, SB.M. See U.S.G.S. 7½' sheet "BLACK MOUNTAIN" Quad 1958

ROUTE: From the intersection of old highway 99 & HUNGRY VALLEY ROAD travel SLY. 4.1 miles passing through 4 fences and crossing a cattle guard, to a "Y" Keep straight (SLY) and continue .50 miles to another "Y." Keep Right and .60 miles further continue straight when the road turns Right. Travel .15 miles more and then turn Left (WEST). After .25 miles bear Right at "Y" pass through a gate in the fence and proceed ½ miles to the station which is on the SOUTH side of the road 20'± from the edge.

STATION MARKS: A 2½" CO. SURVEYORS brass disc stamped "V. CO. L.A. CO. CO. BDY." Set in a 12" X 12" concrete post 8" above grade

SUB SURFACE MARK: None Set.

REFERENCE MARKS: No1 A 4" L.A. CO. SUR CONT. SY. brass REF. MARK disc stamped "BLACK MTN D4 RM 1 1969 RE 5869" Set in a 12" X 12" concrete pad 8" above grade.

No2 Identical to RM 1 except stamped "2"

MEASUREMENTS:

300' TAPE 180	TEMP @ 82°	50 METER TAPE M4
31.17' = 31.17'	@ Level	9.500M = 9.500M = 31.168'
25.70' = 25.70'	@ Level	7.833M = 7.833M = 25.698'
51.225' = 51.225'	@ Level	15.614M = 15.614M = 51.227'

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Map No.	JN 93911 Tape — Std — °F	
Office Work	Surveyed by J.G. RANDALL	
Checked	Notes PYLE Date MAY 69	
Date	Indexed G.L.GALLI SP 5 '69	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN D4

(Page 3 of 4 pages)

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 PG. 70

BLACK MTN D4

(Page 4 of 4 pages)

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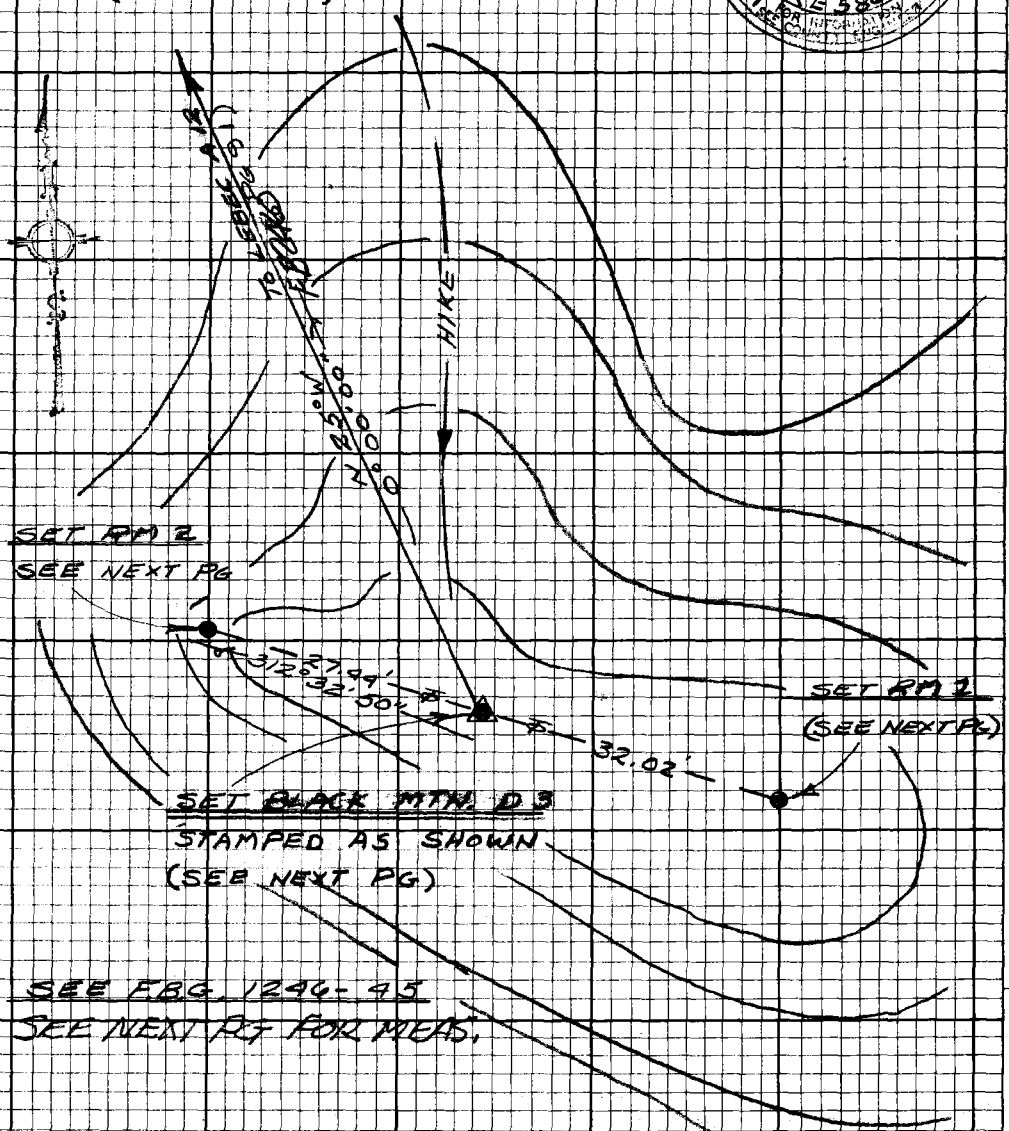
Notes Ck'd by	Survey GEODETIC CONTROL B.B. 460 Pg. 71 ✓
Map No.	JN 030100 Tape 9388 Std 68 °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 5-12-69
Date	Indexed C.L. GALLI SP 5 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MOUNTAIN D-3
(PG 1 OF 4)



L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLACK MTN D3
1969
SET BY
RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

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

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75F3098 CE# 310 9-67

1

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

F.B. 2960 Pg 72

BLACK MTN D-3
(PG 2 OF 4)

MEASUREMENTS

100' TAPE # 0243 TEMP 76° 50 MTR TAPE #M3

27.99' @ L = 27.99'

32.02' @ L = 32.02'

8.366 M @ L = 8.366 M = 27.99'

9.760 M @ L = 9.760 M = 32.02'

AREA: THIS TRIANGULATION STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE GORMAN AREA, IN THE SOUTHERN PART OF SECTION 36 T8N, R19W., 1000'± N. OF THE S. SEC. LINE & 2300'± W. OF THE E. SECTION LINE. USE USGS 7½' BLACK MTN. QUAD SHEET.

ROUTE: FROM THE GORMAN OFF RAMP OF THE GOLDEN STATE FWY, TURN LFT (S.LY) TO THE FRONTAGE RD ON S. SIDE OF FWY. THEN TRAVEL 1.0 MI. W.LY. TO HUNGRY VALLEY RD. TURN LFT (S.LY) THRU CATTLE GUARD & GO 4.4 MI TO "Y" INTERSECTION WITH 3 RDS. TAKE RD TO EXTREME LFT & TRAVEL 1.4 MI TO LOCKED GATE. LIFT CHAIN OVER GATE POST & PROCEED 0.3 MI TO RD TO LFT (N.LY). FOLLOW RD 1.2 MI TO END IN SADDLE, ATOP VERTICLE CLIFF. PARK HERE & HIKE 1500'± (S.LY) UP STEEP RIDGE TO STATION. A 20 MIN. HIKE.

STATION MARK: A 4" L.A. Co. SUR. CONT SYS BRASS TRIANG. DISC, STAMPED "BLACK MTN D 3 1969 RE 5869", ON 2" I.P. IN MOUND OF ROCKS, UP 2". No SUBSURFACE MARK SET.

REFERENCE MARKS:

RM 1: A 4" L.A. Co. SUR. CONT SYS BRASS RM DISC STAMPED "BLACK MTN D3 RM 1 1969 RE 5869" SET ON 2" I.P., IN MOUND OF ROCKS, UP 2".

RM 2: SAME AS RM 1, EXCEPT STAMPED "RM 2". SET TANGENT TO STATION & RM 1.

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Map No.	JN030100 Tape Std °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 5-12-69
Date	Indexed C.J. GALLI SEP 5 '69

F. B. 2460 PG. 73

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN D 3
(PG 3 OF 4)

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76F3095 CE#310 3-68

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

F. B. 2960 PG. 74

BLACK MTN D 3

(PG 4 OF 4)

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GEODETIC CONTROL

Notes Ck'd by	Survey of N.W. L.A. Co
Map No.	JN 0301.00 Tape — Std — °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes [illegible] Date May-69
Date	Indexed C.L. GALLI SEP 5 '69

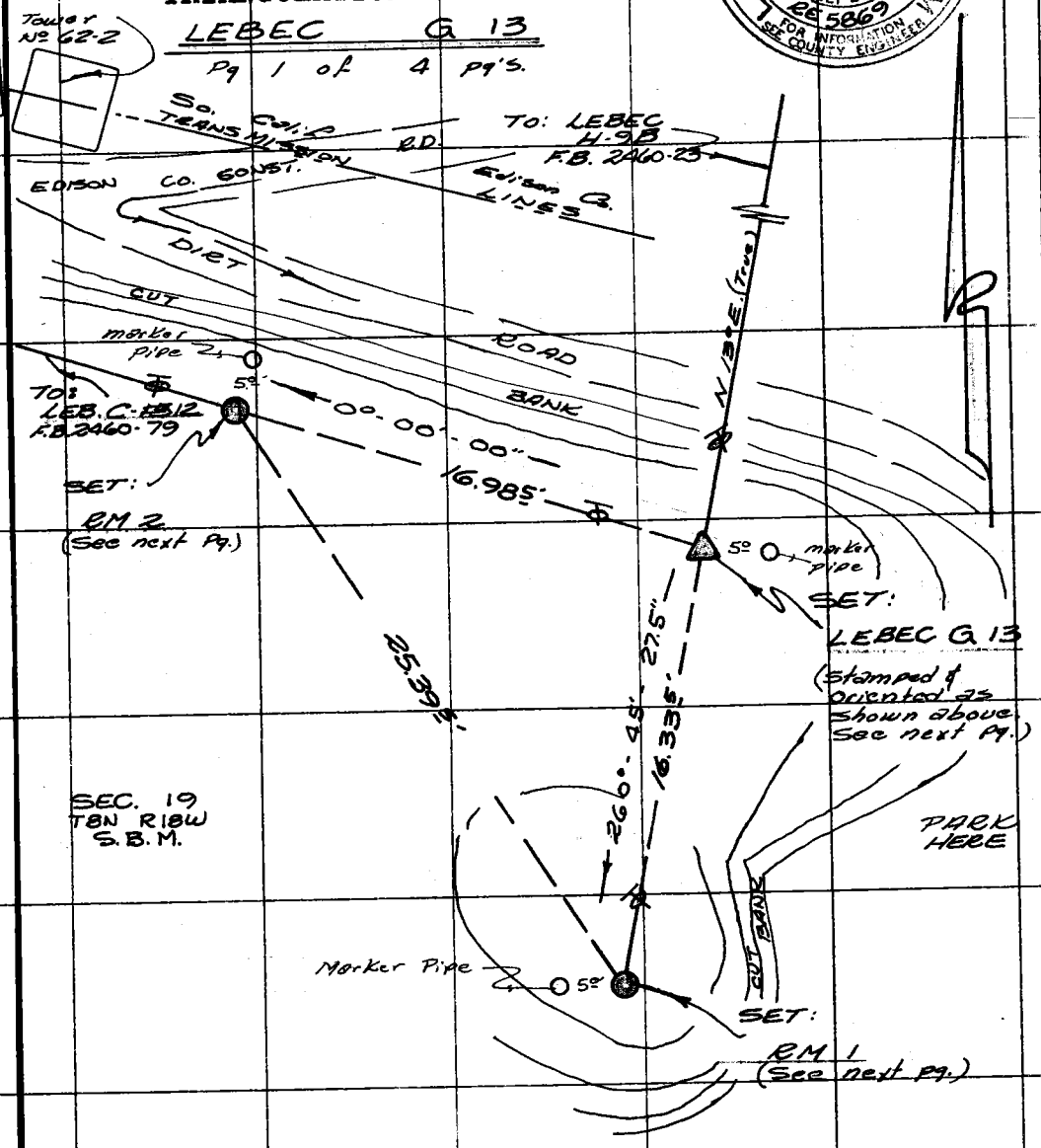
F. B. 2460 PG. 75

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC G 13
1969
SET BY
RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC G 13

Pg 1 of 4 pg's.



NOTE:
See next pg for measurements
See F.B.G. 1260-2 for Angles

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76F3095 CE#310 3-68

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC G 13

Pg. 2 of 4 pg's.

F. B. 2460 PG. 76

MEASUREMENTS:

300' TAPE Nº 175 TEMP. = 64° 50MTR. TAPE M-6

16.33^{S}' = 16.33^{S}'	@ Lev.	4.979m = 4.979m = 16.33^{S}'
16.98^{S}' = 16.98^{S}'	@ Lev.	5.179m = 5.179m = 16.99'
25.39^{S}' = 25.39^{S}'	@ Lev.	7.740m = 7.740m = 25.39'

AREA: This TRIANGULATION STATION is located in Los Angeles Co., 2 mi. ± S.E. of Gorman, in the hills South of Peace Valley. 1100' ± West & 3100' ± North of the S.E. Cor. of Sec. 19 - 7 8N - R 18W. S.B.M. See U.S.G.S. 7½ min. Sheet " LEBEC, Calif.".

ROUTE: North bound on Interstate 5 (Freeway) about 3.5 miles So. of Gorman, take the Quail Lake Rd. offramp. Turn left (west'ly) and pass under freeway to Peace Valley Rd. Turn left (South) and drive parallel to the freeway 0.13 mi. to a dirt road on the right (Private drive), turn right (West) and continue along dirt road between two fences 0.3 mi. to a locked gate, L-Key. The N.E. Cor. of Sec. 29 is under this gate near the hinged side. Pass through the gate and up-grade slightly (west'ly) past a cattle loading pen on the right left (South) 0.3 mi. to a fork, Continue Straight ahead and almost level 0.2 mi. to a fork, br. right and continue up-grade, leaving the floor of the valley, 1.3 mi. along a graded dirt road to a spur road on the left, 200' ± before reaching the Summit, turn sharp left and drive East'ly 250' ± to a graded pad (tower site). The station is at the top of the cut bank about 3' higher than this pad.

STATION MARK: A 4" L.A. Co. Sur. Cont. System brass TRIANGULATION disc stamped "LEBEC G 13 1969 RE 5869" up 8" in a 12" x 12" Conc. pad.

SUB-SURFACE MARK: None Set

Continued on Pg. 3 of 4 Pg's.

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GEODETIC CONTROL

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Office Work	Surveyed by J. G. RANDALL
Checked	Notes [illegible] Date May-69
Date	Indexed C. L. GALLI

F. B. 2460 PG. 77

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC G 13

Pg. 3 of 4 pg's.

REFERENCE MARKS:

Nº 1: A 4" L.A. Co. Sur. Cont. System brass REFERENCE MARK disc stamped "LEBEC G 13 RM 1 1969 RE 5869", up 2" in a 8" Conc. post. On line produced from LEB H 9 B.

Nº 2: Identical to RM 1 except stamped "RM 2", & on line to LEB C 12

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC G 13

F. B. 2460 PG. 78

Pg. 4 of 4 Pgs.

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Map No.	JN 0301.00 Tape 1.85 M-4 Std 84 °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 5-6-60
Date	Indexed D.J. GALLI

LB 2460 PG 79 ✓

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC C-12
1969
SET BY
RE 5869
FOR INFORMATION
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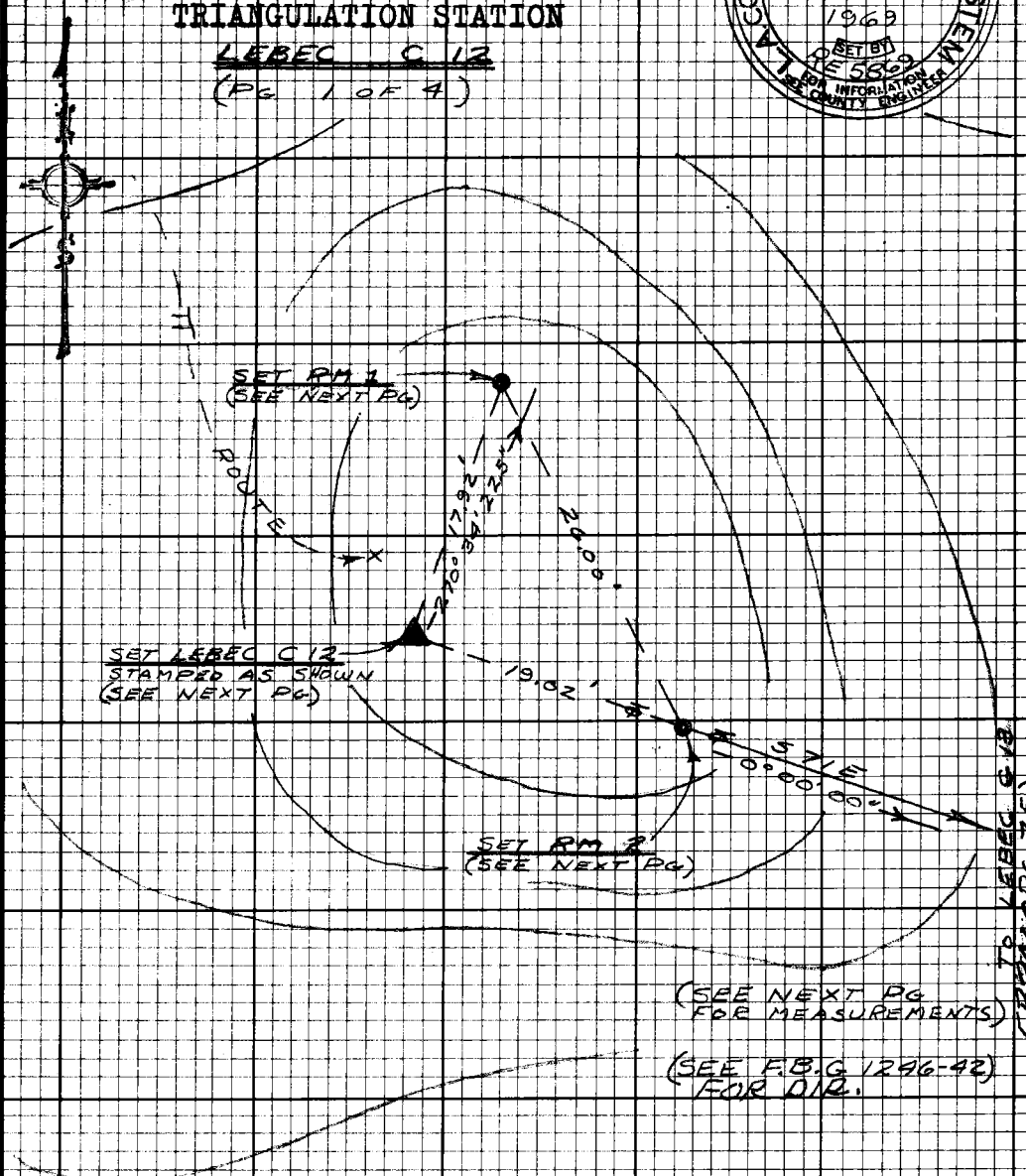
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC C 12
(PG 1 OF 4)



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FB 2460 Pg 80

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

LEBEC C 12
(Pg 2 of 4)

MEASUREMENTS

300' TAPE #180 TEMP 98° 50 MTR # M 4

19.02' @ L = 19.02'
26.00' @ L = 26.00'
17.92' @ L = 17.92'

5.797 M @ L = 5.797 M = 19.018'
7.925 M @ L = 7.925 M = 26.001'
5.459 M @ L = 5.459 M = 17.910'

AREA: THIS TRIANGULATION STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE GORMAN AREA, IN SEC 14, T8N, R19W, 400'± W. OF THE E. SEC. LINE & 1600'± N. OF THE S. SEC. LINE, USE USGS 7½' LEBEC QUAD SHEET.

ROUTE: FROM THE GORMAN OFF RAMP OF THE GOLDEN STATE FWY, TURN LFT UNDER FWY (SLY) TO FRONTAGE RD ON S. OF FWY, THENCE TURN RT & TRAVEL W'LY ON FRONTAGE RD 1.1 MI. TO HUNGRY VALLEY RD TURN LFT (SLY) 1.7 MI. TO EDISON POWER LINE RD., THENCE TURN LFT. S.E. LY & TRAVEL 2.2 MI TO LOCKED GATE (USE "L" KEY) THENCE 0.05 MI TO T.I. ON LFT FOLLOW TT, UP HILL, 0.2 MI TO STATION ON TOP OF HILL.

STATION MARK: A 4" L.A. Co SUR. CONT SYS BRASS TRIANG. DISC, STAMPED "LEBEC C 12 1969 RE 5869" SET IN 12" X 12" CONC PAD, UP 6". NO SUB SURFACE MARK SET.

REFERENCE MARKS:

R.M. 1: A 4" L.A. Co. SUR. CONT. SYS BRASS R.M. DISC, STAMPED "LEBEC C 12 RM 1 1969 RE 5869" SET IN 12" X 12" CONC. PAD, UP 6"

RM 2: SAME AS RM 1 EXCEPT STAMPED "RM 2" & SET ON LINE TO LEBEC G 13.

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Map No.	JN030100 Tape 180 M4 Std 84 °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 5-6-69
Date	Indexed C.L. GALLI

F. B. 2460 PG. 81

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC C 12
(PG 3 OF 4)

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76F309S CE#310 3-68

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

F. B. 2460 PG. 82

LEBEC C 12
(PG 4 OF 4)

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GEODETIC CONTROL

Notes Ck'd by	Survey of N.W.L.A.CO.	F. B. 2460 PG. 83
Map No.	IN 2 OLDS Tape Std. °F	
Office Work	Surveyed by J. G. RANDALL	
Checked	Notes PYLE Date MAY 69	
Date	Indexed J. G. RANDALL	

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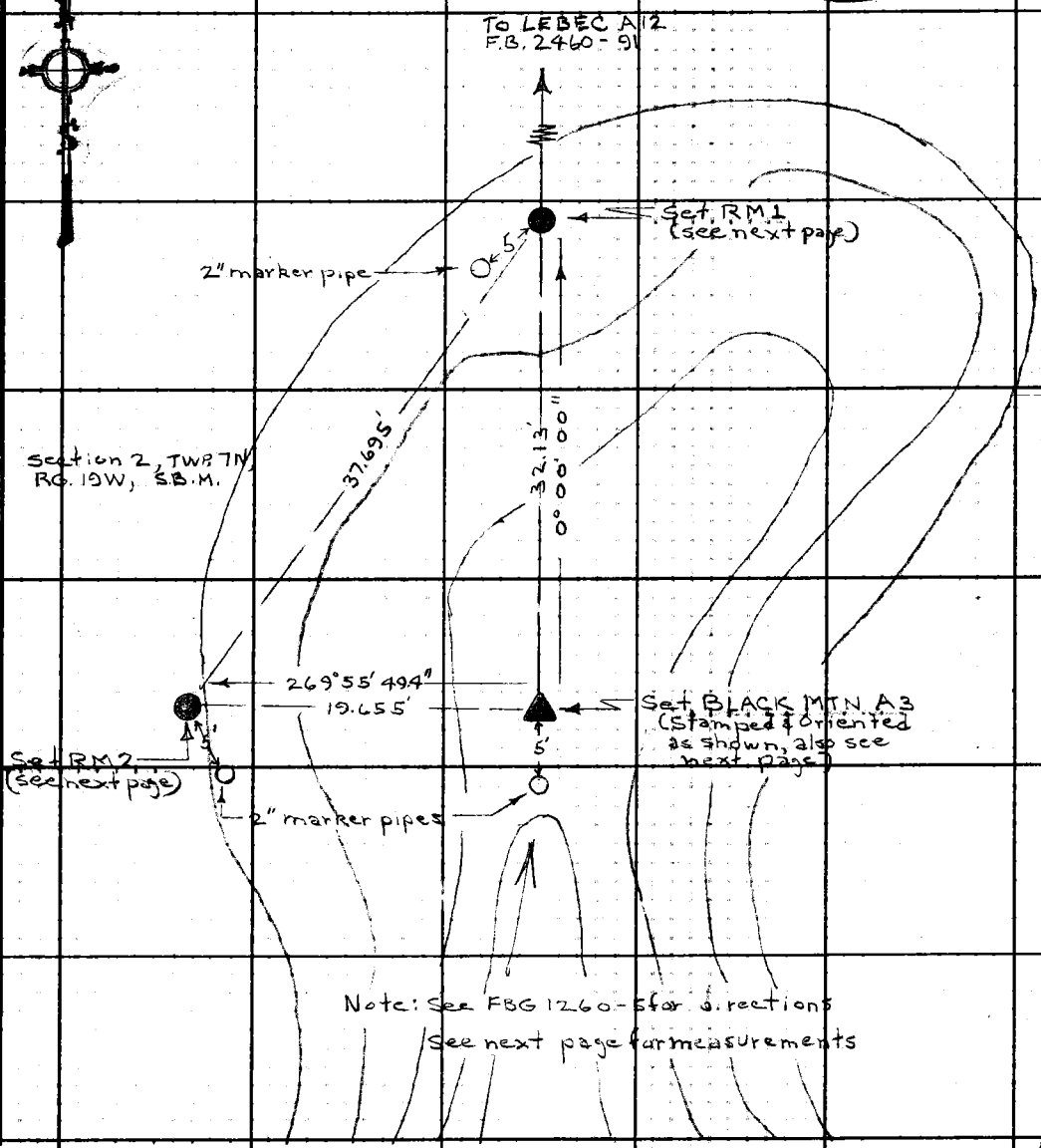
Sketch on Geo. Desc. Card

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLACK MTN A3
1969
SET BY
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLACK MTN A3
(Page 1 of 4 pages)



Note: See FBG 1260-5 for directions
See next page for measurements

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 Pg. 84

BLACK MTN. A3

(Page 2 of 4 pages)

MEASUREMENTS:

300' TAPE 180	TEMP. 80°	50 METER TAPE M6
32.13' = 32.13'	@ Level	9.794M = 9.794M = 32.134'
19.655' = 19.655'	@ Level	5.990M = 5.990M = 19.650'
37.695' = 37.695'	@ Level	11.488M = 11.488M = 37.692'

AREA: This TRIANGULATION STA. is located in N.E. VENTURA CO. near GORMAN, in the HUNGRY VALLEY AREA. 600'± EAST of a bdry line (E,LY) of the LAS PADRES NATIONAL FOREST. 2000'± N. & 600'± E of the S.W. COR. of Sec. 2 T7N R19W S.B.M. Note: Sec. 2 is a very small section see U.S.G.S. 7½' sheet "BLACK MTN, CALIF." 1958

ROUTE: From the GORMAN offramp on Northbound Interstate 5 (F,way) pass under the freeway (S,LY) on GORMAN SCHOOL RD. 0.15 miles to old US Hiway 99 (PEACE VALLEY RD). Turn Right (W,LY) upgrade (on US 99) 1.0 miles to the Junction with HUNGRY VALLEY RD. on the left. Follow HUNGRY VALLEY RD. S,LY 4.1 miles, passing through 4 fences and crossing a cattleguard to a "Y" Bear left (S,LY) and continue .50 miles to another "Y." Keep right and .60 miles further continue straight when the road turns right. Travel .15 miles more to a gate in the corner of a fence line. Pass through the gate (CCS. KEY) and proceed 600' in a S.E,LY direction. Turn right (S,LY) and follow the bottom of a draw upgrade 300'. Then right (S.E,LY) 200' to the top of the spur. Take a sharp right and go 150' more to the station.

STATION MARK: A 4" L.A.CO.SUR. CONT. SY. brass TRIANGULATION disc stamped "BLACK MTN A3 1969 RE 5869" set in a 12" x 12" concrete pad, 8" above grade

SUB SURFACE MARK: None set.

continued top of page 3

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GEODETIC CONTROL

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Map No.	JN0301.00 Tape — Std — °F	
Office Work	Surveyed by J. G. RANDALL	
Checked	Notes PYLE Date MAY 69	
Date	Indexed C.L. GALLI SEP 5 '69	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN A3
(Page 3 of 4 pages)

REFERENCE MARKS Nº1 A4" L.A.CO. SUR. CONT. SY. brass REFERENCE MARK disc stamped "BLACK MTN A3 RM1 1969 RE5809" set in a 12" x 12" concrete pad 8" above grade on line to LEBEC A12

Nº2 Identical to Nº1 except stamped "2" and not on line to anything.

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 Pg. 86

BLACK MTN A3

(Page 4 of 4 pages)

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Notes Ck'd by	Survey of Geo. Control
Map No.	JN030133 Tape 204 Std 84 °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 6-6-69
Date	Indexed C.L. GALLI SEP 5

F. B. 2460 PG. 87 ✓

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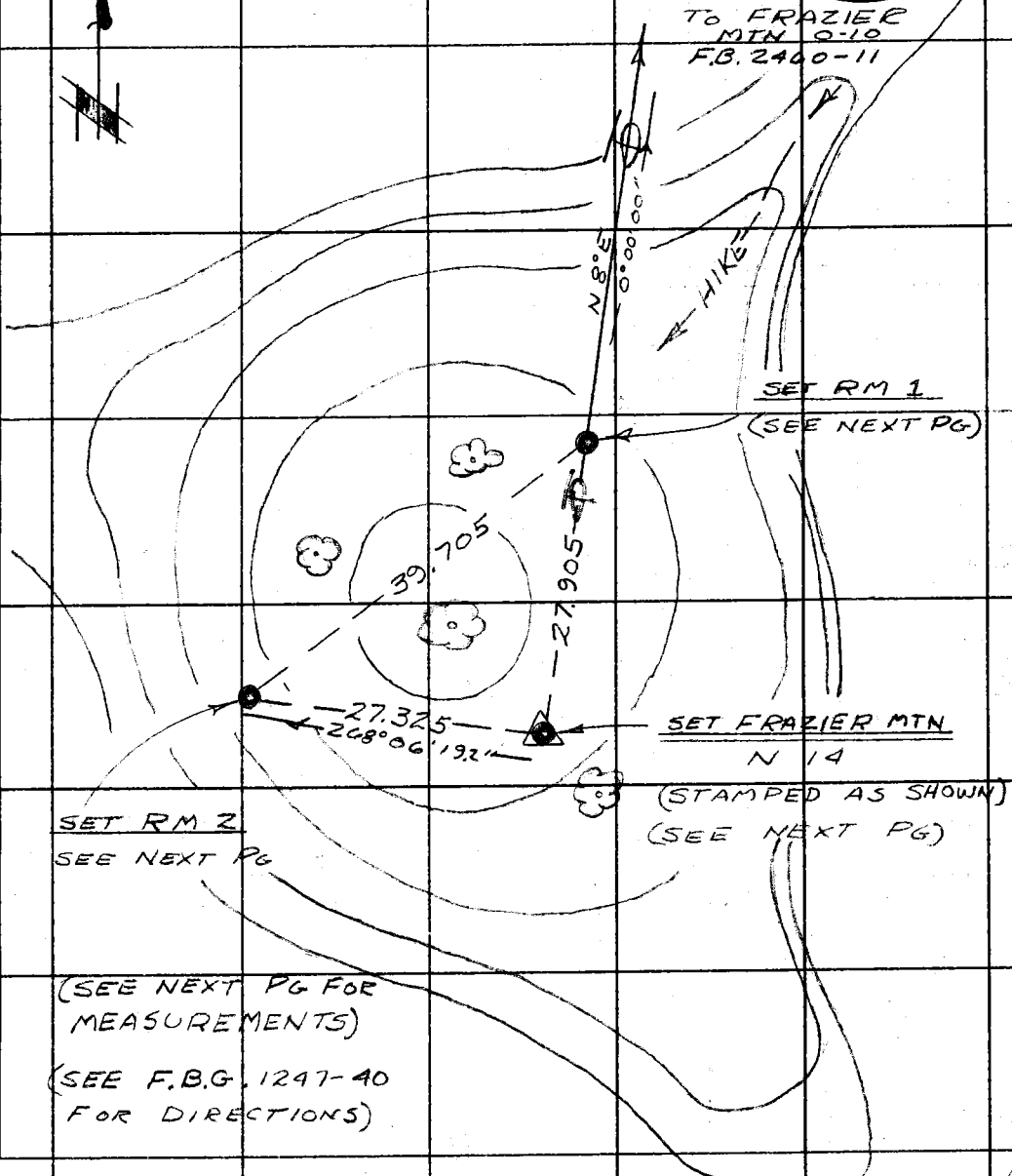
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN N 14
PG 1 OF 4



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76F309S CE#310 3-68

F. B. 2460 PG 88

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FRAZIER MTN N 14

PG 2 OF 4

MEASUREMENTS

300' TAPE # 204	TEMP = 68° 50 MTR TAPE # M 3
27.325' @ L = 27.325'	8.329 M @ L = 8.329 M = 27.327'
27.905' @ L = 27.905'	8.505 M @ L = 8.505 M = 27.905'
39.705' @ L = 39.705'	12.102 M @ L = 12.102 M = 39.704'

AREA: THIS TRIANGULATION STATION IS LOCATED IN — VENTURA — COUNTY, IN THE GORMAN AREA, IN SECTION 22, T8N, R19W, ON A HILL MARKED 4433. 50'± E. OF THE W. SEC LINE & 2400'± N. OF THE S. SEC LINE. USE U.S.G.S. 7½' FRAZIER MTN QUAD SHEET

ROUTE: FROM THE GORMAN OFF RAMP OF THE GOLDEN STATE FWY, TURN LFT UNDER FWY (SLY) TO FRONTAGE RD ON S. THENCE TN RT (WLY) & FOLLOW FRONTAGE RD 1.1 MI TO HUNGRY VALLEY RD, TURN LFT (SLY) & FOLLOW DIRT RD 2.7 MI TO A CATTLE GUARD & GATE WAY THRU FENCE. PASS THRU & TURN RT. WLY & FOLLOW T.T.'s ALONG S. SIDE OF FENCE 0.1 MI. TURN LFT & TRAVEL 0.1 MI TO DRY CREEK. THENCE 0.1 MI TO "Y". BEAR RT 100'± TO "Y". BEAR RT ON T.T.'s 0.15 MI TO OPENING IN FENCE. PARK & HIKE NLY TO TOP OF RIDGE, THENCE (W, 4Y) ALONG TOP OF RIDGE TO STATION.

STATION MARK: A 4" L.A. Co. SUR. CONT SYS BRASS TRIANG DISC STAMPED "FRAZIER MTN N 14 1969 RE 5869" SET ON 2" I.P. IN ROCK MOUND UP 4". NO SUB SURFACE MARK SET.

REFERENCE MARKS:

R.M. 1: A 4" L.A. Co SUR CONT SYS BRASS RM DISC STAMPED "FRAZIER MTN N 14 RM 1 1969" SET ON 2" I.P. IN ROCK MOUND UP 4". SET ON LINE TO FRAZIER MTN 0.10.

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Map No.	JN 030,90 Tape Std °F
Office Work	Surveyed By R.WILSON
Checked	Notes ADAMS Date 6-6-69
Date	Indexed C.L.GALLI SEP 5 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN N 14

PG 3 OF 4

RM 2: SAME AS RM 1 EXCEPT STAMPED RM 2 & NOT ON LINE TO FRAZIER MTN

0 10

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16F3095 CE#310 3-68

F. B. 2460 PG. 90 **L. A. COUNTY SURVEY CONTROL SYSTEM**
TRIANGULATION STATION
FRAZIER MTN N 14
PG 4 OF 4

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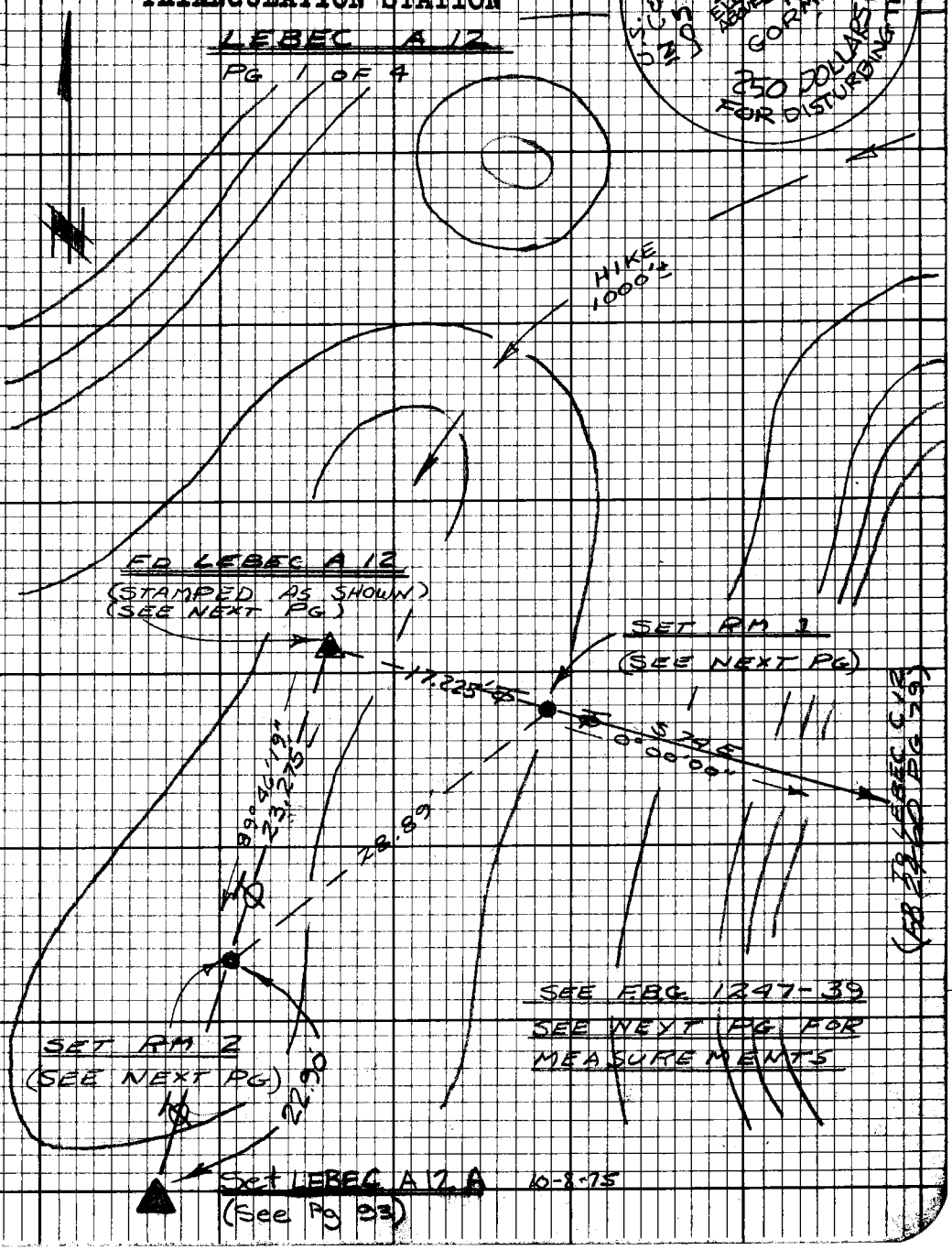
Notes Ck'd by	Surveyed GEODETIC CONTROL F.B. 2960 Pg 91
Map No.	JN030100 Tape 221 M3 Std 84 °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 5-5-69
Date	Indexed C. L. GALLI Sep 5 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION



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7653098 CE#310 9.67

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

FB. 2460 PG 92

LEBEC A 12

(PG 2 OF 4)

MEASUREMENTS

300' TAPE #221 TEMP 52°	50M TAPE #M13
17.225' @ L = 17.225'	5.249 M @ L = 5.249 M = 17.222'
23.275' @ L = 23.275'	7.096 M @ L = 7.096 M = 23.282'
28.90 @ L = 28.89'	8.808 M @ L = 8.805 M = 28.889'

AREA: THIS TRIANGULATION STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE GORMAN AREA, IN THE W. SIDE OF SECTION 14, T8N, R19W, 250'± E. OF THE W. SECTION LINE & 2900'± N. OF THE S. SECTION LINE. USE U.S.G.S. 7½' LEBEC QUAD SHEET.

ROUTE: FROM THE GORMAN OFF RAMP OF THE GOLDEN STATE FWY, TURN LFT (SLY) TO THE FRONTAGE RD ON THE SOUTH SIDE OF FWY THEN TRAVEL 1.0 MI WLY ALONG FRONTAGE RD TO HUNGRY VALLEY RD, TURN LFT THRU CATTLE GUARD & GO 1.75 MI SLY TO EDISON POWER LINE RD, TURN LFT & TRAVEL ELY 1.45 MI TO T.T. @ CURVE IN RD, TURN LFT NLY & FOLLOW T.T. 0.2 MI UP DRAW TO TOP OF RIDGE. PARK & HIKE 1000'± WLY ALONG TOP OF RIDGE TO STATION. A 5 MIN. HIKE

STATION MARK: A 4" U.S.G.S. TRIANG. DISC STAMPED "GORMAN L LINT" SET IN 9"X6" CONC PAD UP 5" SURROUNDED BY CONC PAD. OLD WOODEN TOWER ERECTED OVER STATION NO RECORD OF SUB SURFACE MARK

REFERENCE MARKS:

RM 1: A 4" L.A. Co. SUR CONT. SYS. BRASS RM DISC STAMPED "LEBEC A 12 RM 1 1969 RE 5869" SET IN 6" CONC POST UP 5" SET ON LINE TO LEBEC C-12

RM 2: SAME AS RM 1 EXCEPT STAMPED "RM 2" & NOT ON LINE TO LEBEC C-12

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

Survey of GEODETIC CONTROL F. B. 2460 PG. 93
JN 30100 Tape Std °F
Surveyed by R. C. Wilson
Notes ADAMS Date 5-5-69
Indexed C.L.GALLI SEP 5 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC A 12
PG 3 OF 4

LEBEC A12A A 1" I.P. with L.A. Co. ENGR tag set in conc. Flush, 5.20' lower in elev. than A-12. tan. to A12 & RM2 10-8-75 prod. to S.W. —
R.C. Wilson

MEASUREMENTS 10-8-75

300' Tape #221 T = 72° SOMTR. Tape #M6
22.90 @L = 22.90' 6.979M @L = 6.979M = 22.897'

12-26-75

1" IP replaced with a L.A. Co. Surv. Cont. Sys. brass triang. disc stamped "LEBEC A12A 1975 RE7078" set in an 8" conc. post, and at same elev. as 1" I.P. (5.20' lower than A12)
R.C. Wilson

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6F309S CE#310 3-68

L. A. COUNTY SURVEY CONTROL SYSTEM

F. B. 2460 PG. 94

TRIANGULATION STATION

GEODETIC CONTROL

LEBEC A 17

PG 4 OF 4

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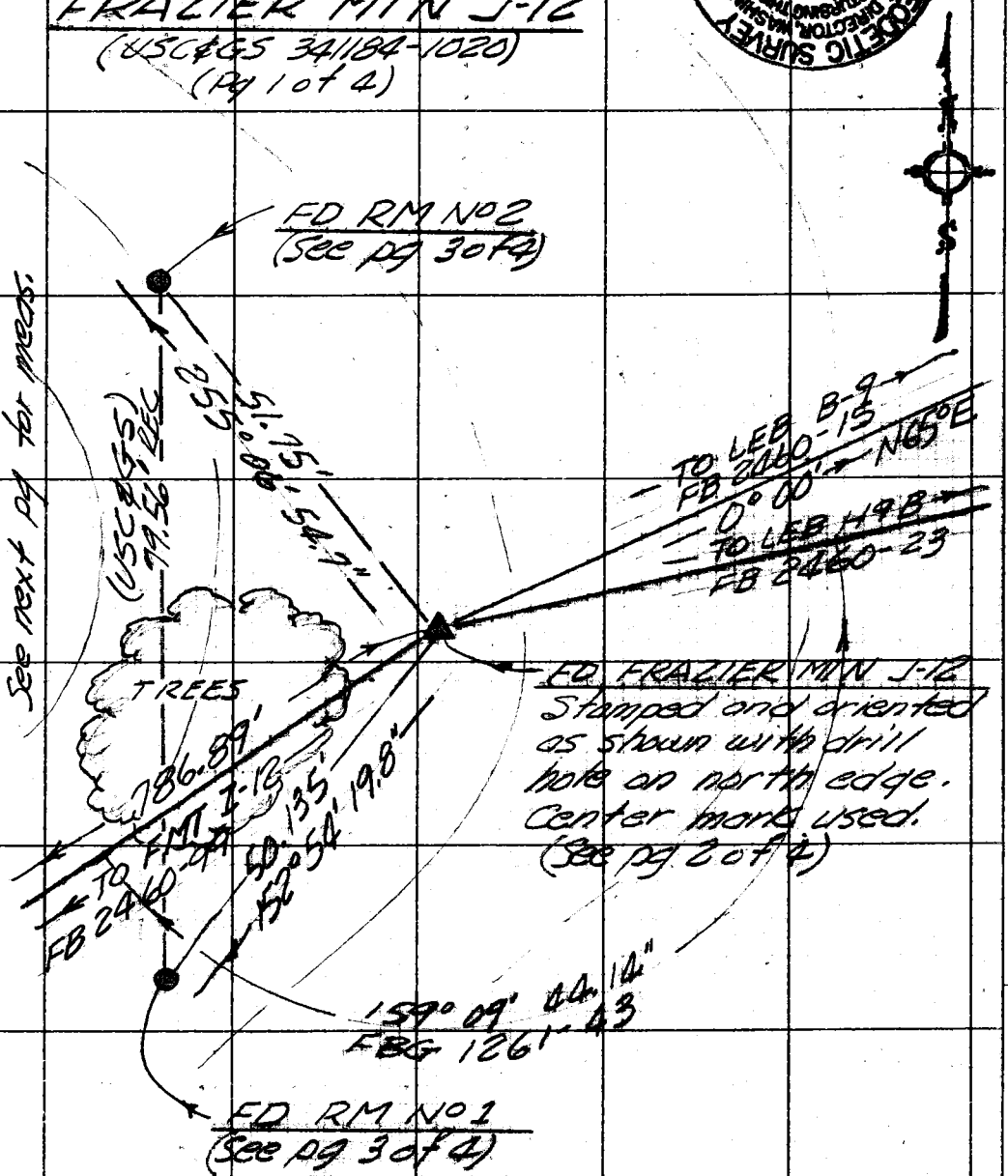
Notes Ck'd by	Survey GEODETIC CONTROL
Map No.	JN 0301.00 Tape 204-M3 Std 84 °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 6-25-69
Date	Indexed C. J. GALLI SEP 5 '69

F. B. 2460 PG. 95

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

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FRAZIER MTN J-12
(USC&GS 341184-1020)
(Pg 1 of 4)



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76F3095 CE#310 3-68

F. B 2460 PG 96

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN J-12
(pg 2 of 4)

MEASUREMENTS

300' #204		50 mtr #M3
	Level Temp 70°	
50.135' =	50.135'	15.282m=15.282m=50.14'
51.75' =	51.75'	15.771m=15.771m=51.75'
47.29' Lev T56°	=	47.28'
171.88' 7°18' T56°	=	170.46'
195.15' Lev T56°	=	195.11'
235.98' 4°43' T66°	=	235.15'
139.46' 5°04' 30" T66°	=	138.89'
		786.89'

AREA: This triangulation station is located in Ventura County near the line between sections 18 & 17, 2250'± north of the SW corner of section 17, T8N, R19W, Frazier Mtn 7½' quad sheet. 3 miles south and 1 mile east of Frazier Park.

ROUTE: From the Frazier park post office: go westerly on paved road 3.45 miles to a fork: turn left, southwesterly, 0.85 miles to a fork and sign "CHUCHUPATE RANGER STATION": turn left, ~~and~~ pass the ranger station, end of paved road, and travel southerly on dirt road for 2.6 miles to a "Y" and the Chuchupate camp ground: bear right and continue upgrade 3.5 miles to a "Y": keep straight on east Frazier Mtn road (ely) and travel 5.1 miles to its end: pass around log barracades 500'± from end of road and follow traveled track downgrade easterly along ridge for 0.35 miles to the station, on a bare portion of the ridge, with large pine trees to the north and to the west. A 10" pine tree with a triangle blaze on the southwest side is 60'± north of the station.

STATION MARK: A 4" USC&GS brass triangulation disc stamped "MAXY 1959" flush with the ground and set in a 18"X20" irreg. conc. pad. Subsurface mark was set 18" below ground per USC&GS station description 341184-1020.

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B 2460 Pg. 97
Map No.	JN 23000 Tape Std °F	
Office Work	Surveyed by R. C. Wilson	
Checked	Notes R. C. Wilson Date 6-25-69	
Date	Indexed C.L.GALLI SEP 5 '69	

GEODETIC CONTROL
L A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN J 72
(Pg 3 of 4)

REFERENCE MARKS:

RM NO 1: A 4" USC&GS brass reference mark disc stamped " MAXY 1959 NO 1 " up 6" and set in a 12" x 12" conc pad. A drill hole is to one side of the center mark. The center mark was used.

RM NO 2: A 4" USC&GS brass reference mark disc stamped"MAXY 1959 NO 2 " up 2" and set in a 12" x 12" conc pad. A drill hole is off center. The center mark was used.

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76F3095 CE#310 3-68

F. B. 2460 PG 98

GEODETIC CONTROL

L A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FRAZIER MTN J-18

(Pg. 4 of 4)

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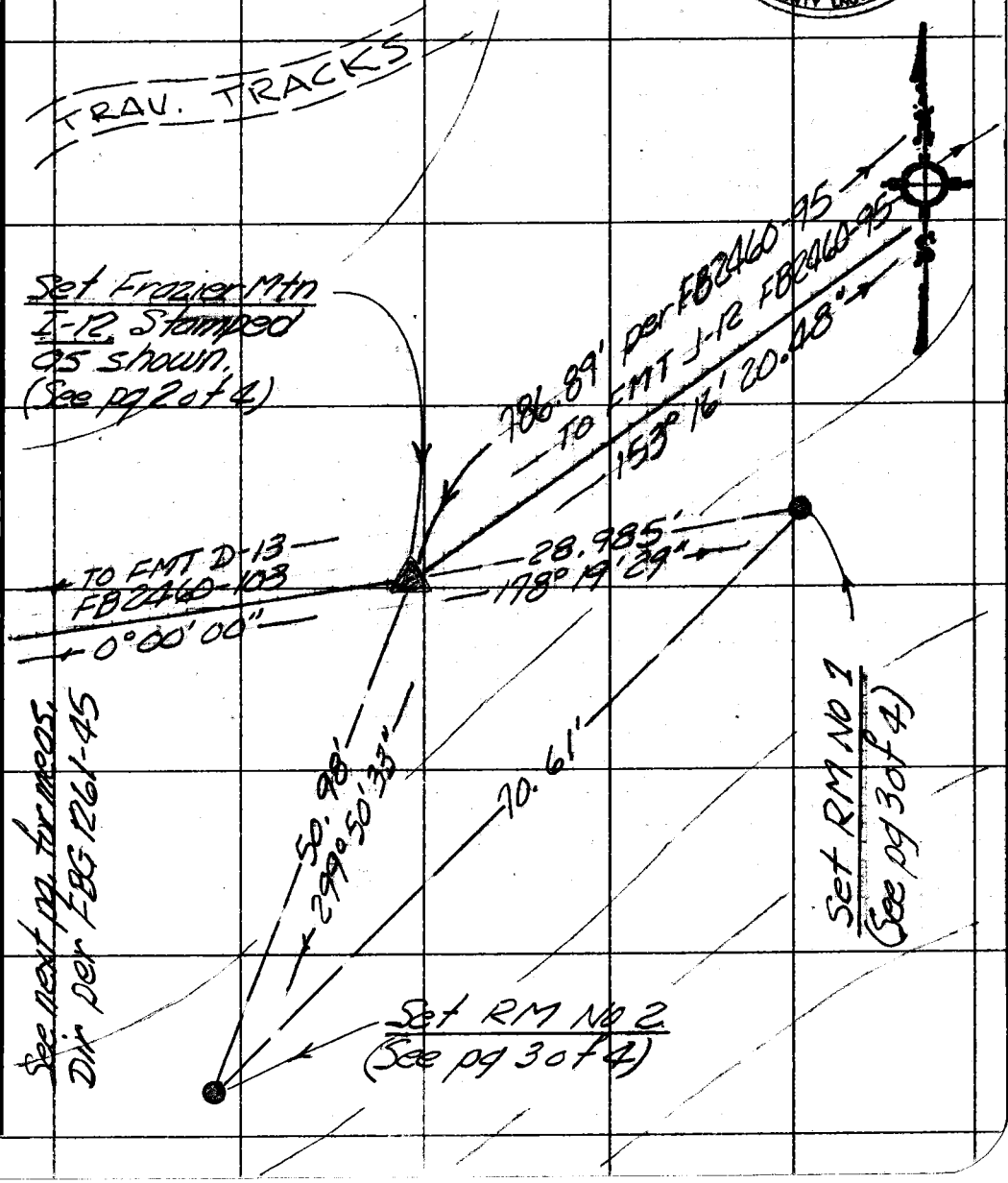
Notes Ck'd by	Surv GEODETIC CONTROL
Map No.	JN 030100 Tap 204-M3 84 °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 6-25-69
Date	Indexed C. L. GALLI SEP 5 '69

F. B. 2460 PG. 991

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

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN I 12

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN I-12
1969
SET BY
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER



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76F3095 CE#310 3-68

F. B 2460 PG 100

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN I 12
(pg 2 of 4)

MEASUREMENTS

300' #204 LEVEL TEMP 54° 50 MTR M#3

70.62' = 70.61' 21.525m = 21.522m = 70.61'
28.995' = 28.985' 8.837m = 8.834m = 28.98'
50.99' = 50.98' 15.540m = 15.537m = 50.98'

AREA: This Triangulation station is located in Ventura County, about 3 miles south and 1 mile east of Frazier Park, 700'± west and 1700'± north of the SE corner of section 18, T8N, R19W. See Frazier Mtn 7½' quad sheet.

ROUTE: From the Frazier Park post office; go westerly on paved road 3.45 miles to a fork: turn left southwesterly 0.85 miles to a fork and sign "CHUCHUPATE RANGER STATION": turn left, pass the ranger station, the end of paved road, and travel sly upgrade on dirt road for 2.6 miles to a "Y" and the Chuchupate camp ground: bear right and continue upgrade 3.5 miles to a "Y": keep straight on East Frazier Mtn Rd (ely) and travel 5.1 miles to its end: pass around log barricades 500'± from end of road and follow traveled tracks downgrade thru trees 0.25 mile to where ridge levels: turn right and travel along east edge of trees ih open 300'± to the station, overlooking Hungry Valley.

STATION MARK: A 4" LA County Survey Control System brass triangulation disc stamped "FRAZIER MTN I 12 1969 RE5869" up 3" and set in a 12"x12" conc. pad. No sub-surface mark was set.

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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 6-25-69
Date	Indexed C. J. GALLI SEP 5 '69

F. B. 2460 PG. 101

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN I 12

REFERENCE MARKS:

RM NO 1: A 4" LA County Survey Control System brass reference mark disc stamped "FRAZIER MTN I 12 RM 1 1969 RE5869" up 4" and set in a 6" conc. post.

RM NO 2: Same as RM1, except stamped "RM 2".

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76F309S CE#310 3-68

F. B 2460 PG 102

GEODETIC CONTROL
L A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FRAZIER MTN I-12
(Pg 4 of 4)

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GEODETIC CONTROL

Notes Ck'd by	Survey of NW LA CO.	F. B. 2460 PG. 103 ✓
Map No.	JN0301.00 Tape Std. °F	
Office Work	Surveyed by J.G. RANDALL	
Checked	Notes PYLE Date JUNE 69	
Date	Indexed C. L. GADLE SEP 5 '69	

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

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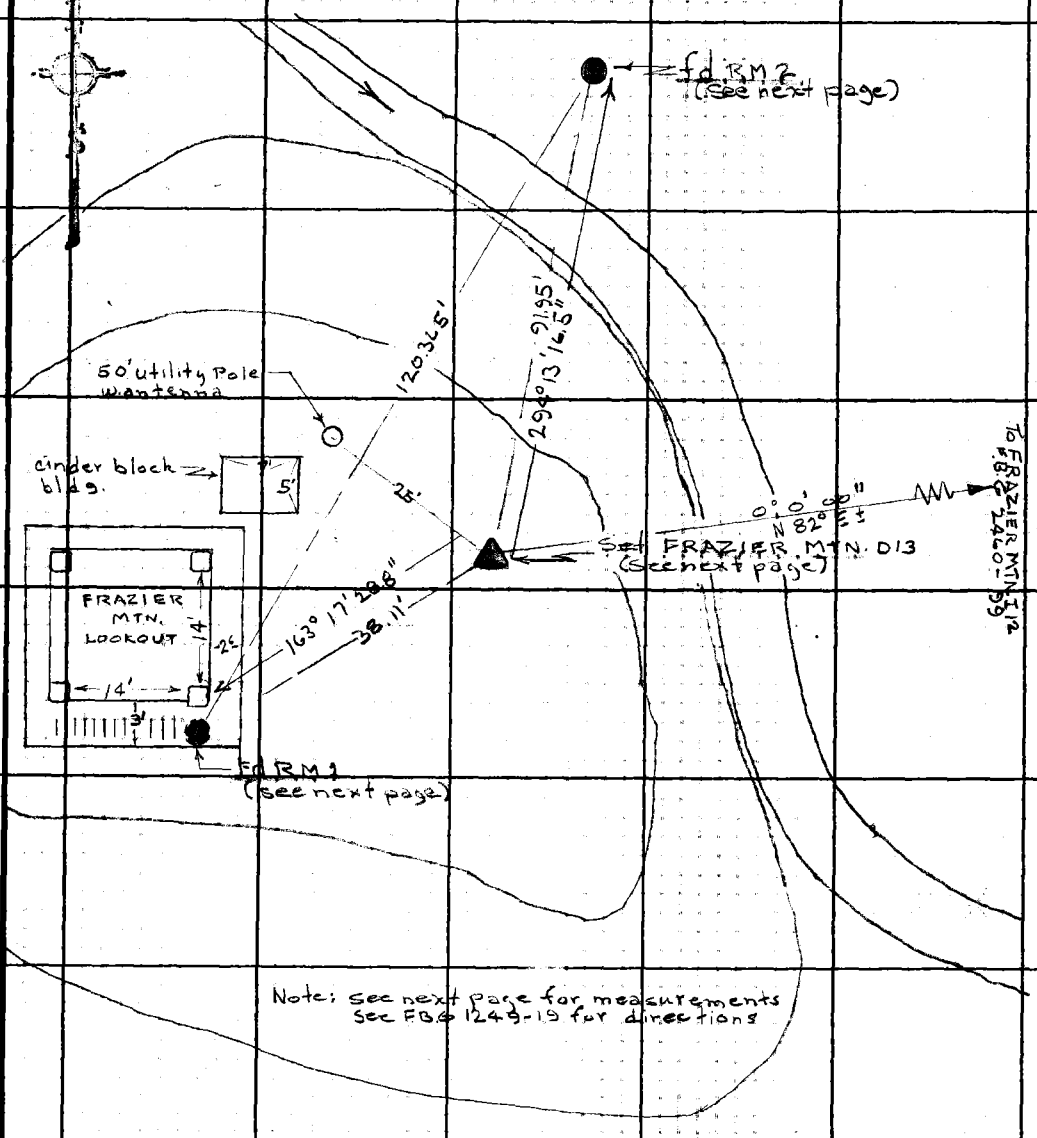
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
FRAZIER MTN. D13
(Page 1 of 4 pages)



Note: see next page for measurements
See F.B. 1249-19 for directions

76F309S CE#310 1-65

F. B. 2462 Pg. 104

FRAZIER MTN. D13

(Page 2 of 4 pages)

MEASUREMENTS

300' TAPE 204	@ TEMP 68°	.....50 METER TAPE M3
38.11' = 38.11'	@ Level	11.617M = 11.617M = 38.11'
91.96' = 91.95'	@ Level	28.025M = 28.025 = 91.95'
120.375' = 120.365'	@ Level	36.689M = 36.686M = 120.366'

AREA: This TRIANGULATION STA is located in VENTURA CO. It is near the lookout tower atop 8013' FRAZIER MTN. in LOS PADRES NATL. FOREST. 125' ± N & 2400' ± E of the S.W. corner of Section 14, T8N, R20W. See U.S.G.S. 7½ sheet "FRAZIER MTN. CALIF." Quad.

ROUTE: From the FRAZIER PARK post office, go w'ly on a paved road 3.45 miles to a fork, then left (s'wly.) 0.85 miles to a fork and a sign "CHUCHUPATE RANGER STATION" turn left, and pass the ranger station to the pavement's end. Then travel s'ly. up grade on a dirt road for 2.6 miles to a "Y" and the CHUCHUPATE campground. Bear right and continue upgrade 3.5 miles to a "Y" bear right and follow the road to the summit of FRAZIER MTN and the LOOKOUT. tower.

STATION MARK: Set a ¾" iron pipe with a cap on it. Not stamped and set flush with grade. No sub-surface marks set. Reset using R.M. distances as per USC&GS 341184-1021

REFERENCE MARKS: №1 A 4" U.S.C & G.S. brass REF. MARK disc stamped "FRAZIER NO1 1941" set in a 36"x18" rock 12" above grade

№2 Identical to №1 except set in a 2'x3' rock out-cropping 8" above grade and stamped "2"

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Notes Ck'd by	Survey of L.A.CO.
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes PYLE Date JUNE 65
Date	Indexed SEP 5 '68

F. B. 2460 PG. 105

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

FRAZIER MTN. D 13

(Page 3 of 4 pages)

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76F309S CE#310 3-68

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B. 2460 PG 106

EBAZIER MTN D13
(Page 4 of 4 pages)

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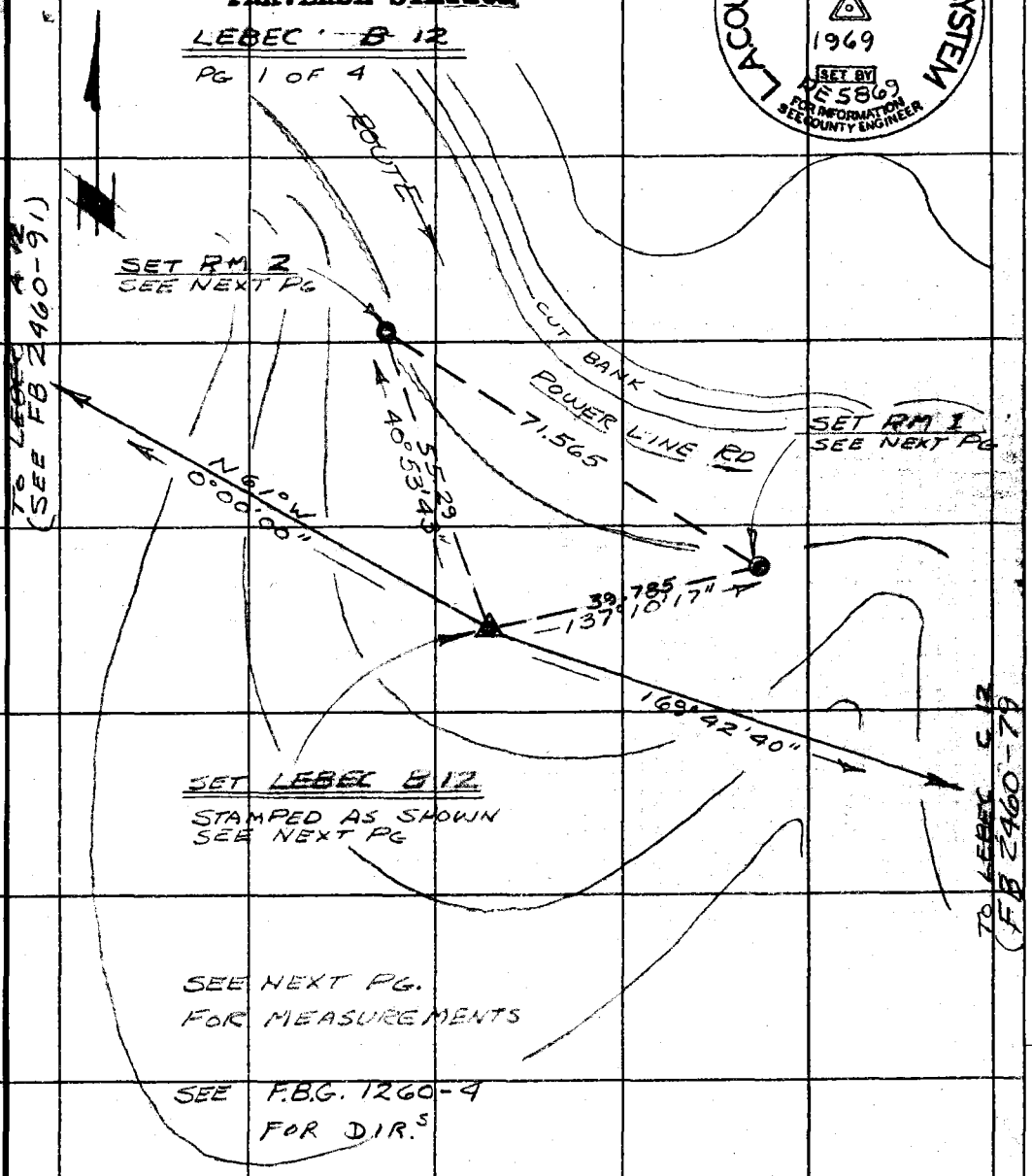
Notes Ck'd by	Survey GEODETIC CONTROL F.B. 2460 PG. 107
Map No.	JN 30160 Tape 180 Std 84 °F
Office Work	Surveyed by R.W. WILSON J. RANDALL
Checked	Notes ADAMS Date 5-22-69
Date	Indexed C.T. GALLIDE 8'69

L. A COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LEBEC B 12

PG 1 OF 4



LA COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LEBEC B 12
1969
SET BY RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

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16F3085 CE 8110 3-68

L. A COUNTY SURVEY CONTROL SYSTEM

F. B 2460 Pg. 108

TRAVERSE STATION GEODETIC CONTROL

LEBEC B 12

Pg 2 OF 4

MEASUREMENTS

300' TAPE #180
55.29'@ L = 55.29'
71.565'@ L = 71.565
39.785'@ L = 39.785

TEMP = 90° 50MTR TAPE # M 4
16.852 M @ L = 16.852M = 55.288'
21.813 M @ L = 21.813M = 71.565'
12.126 M @ L = 12.126M = 39.783'

AREA: THIS TRAVERSE STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE GORMAN AREA, IN THE S,LY PART OF SECTION 14, T8N, R19W 2100'± N. OF THE S. SEC. LINE & 2550'± W. OF THE E. SEC LINE. USE U.S.G.S. 7½' LEBEC QUAD SHEET.

ROUTE: FROM THE GORMAN OFF RAMP OF THE GOLDEN STATE FWY, TURN LFT. (S,LY) TO THE FRONTAGE RD ON THE SOUTH SIDE OF THE FWY, THEN TRAVEL 1.0 MI W,LY ALONG FRONTAGE RD TO HUNGRY VALLEY RD, TURN LFT. THRU. CATTLE GD. & GO 1.75 MI S,LY TO POWER LINE RD, TURN L,FT & TRAVEL E,LY 1.7 MI TO STATION ON SHARP CURVE OF RD.

STATION MARK: A 4" L.A. Co SUR CONT SYS BRASS TRAVERSE DISC, STAMPED "LEBEC B 12 1969 RE 5869" SET IN 12"X12" CONC PAD UP 6", NO SUB SURFACE MARK SET

REFERENCE MARKS

RM 1: A 4" L.A. Co SUR CONT SYS BRASS RM DISC STAMPED "LEBEC B 12 RM 1 1969 RE 5869" SET IN 12"X12" CONC PAD UP 6"

RM 2: SAME AS RM 1, BUT STAMPED RM 2.

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Notes Ck'd by	Survey of GEODETIC CONTROL B2460 PG. 109
Map No.	JN030109 Tape M4 180 Std 84 °F
Office Work	Surveyed by WILSON - RANDALL
Checked	Notes ADAMS Date 5-22-69
Date	Indexed D.L. GALLI DEC 8 '69

L. A COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LEBEC B 12

PG 3 OF 4

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L A COUNTY SURVEY CONTROL SYSTEM

F. B 2960 PG. 110

TRAVERSE STATION
GEODETIC CONTROL

LEBEC B 12

PG 4 OF 4

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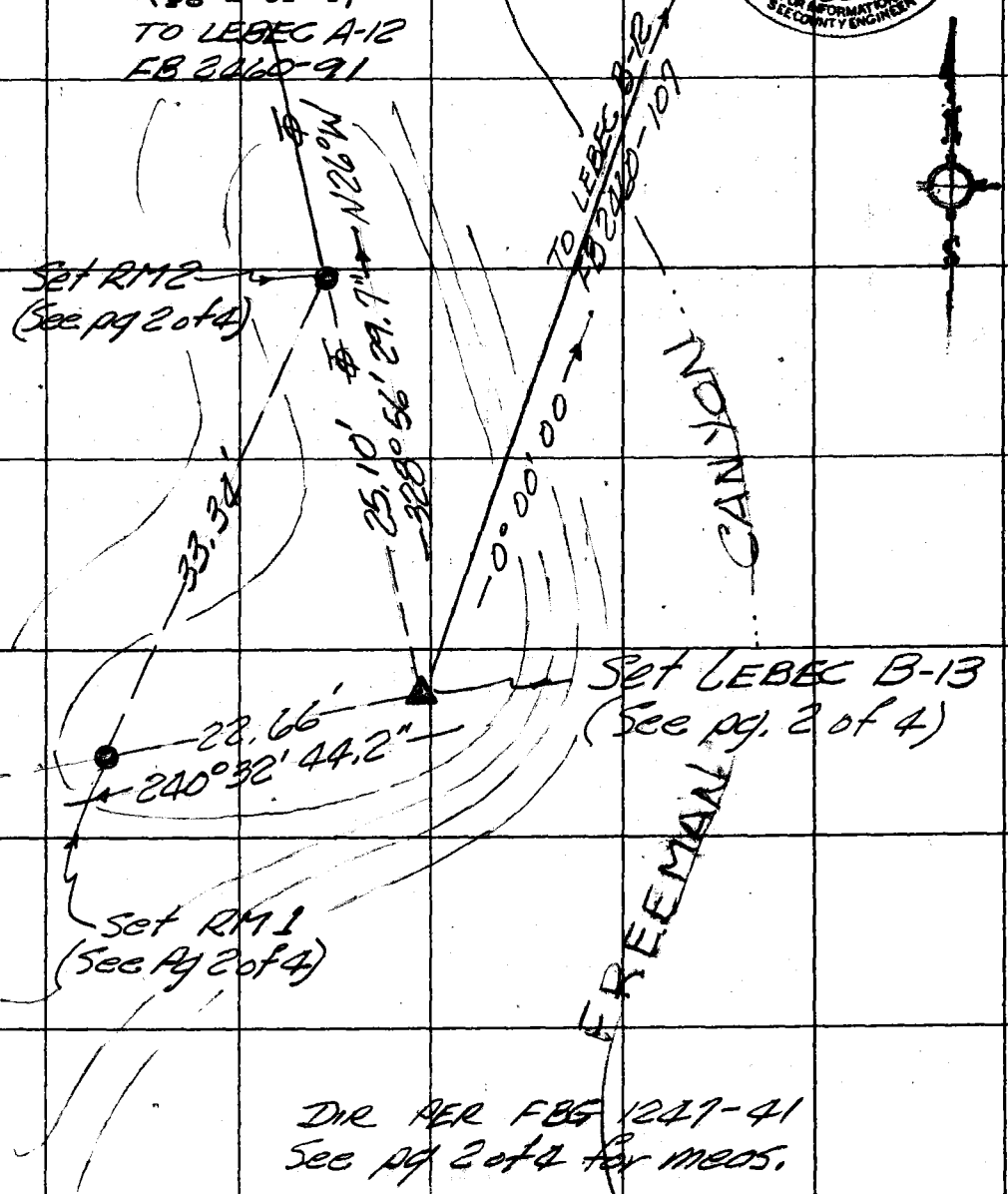
Notes Ck'd by	Survey of Geod. Control
Map No.	Job 0301.00 Type M-5 221 Std 84 °F
Office Work	Surveyed by rcw
Checked	Notes rcw Date 6/9/69
Date	Indexed C. L. GAMBLE DEC 8 '69

F. B. 2460 PG. 111

LA COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LEBEC B 13
1969
SET BY RE 5869
FOR INFORMATION SEE COUNTY ENGINEER

LA COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LEBEC B 13
(pg 1 of 4)



DIR PER FBG 1247-41
See pg 2 of 4 for meas.

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76F309S CE#310 3-68

F. B. 2460 PG. 112

LA COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LEBEC B 13 (pg 2 of 4)
MEASUREMENTS

300' # 221 Level at 62° 50 mtr M3

22.66'=22.66' 6.907m = 6.907m = 22.66'
25.10'=25.10' 7.650m = 7.650m = 25.10'
33.34'=33.34' 10.162m=10.162m =33.34'

AREA: This triangulation station is located in the NW portion of Los Angeles County 1½ miles ± southwesterly from Gorman, 2700' ± E and 1650' ± south of the NW corner of section 23 T8N R19W overlooking Freeman Cn. Lebec 7½' quad sheet.

ROUTE: From Hungry Valley Road at the intersection of old Hwy 99 (1 mile west of Gorman): Travel south on Hungry Valley Road (dirt) 2.7 miles to traveled tracks on the lft at a cross fence: Thence lft(E) on TT 0.2 miles and cross dry creek: continue 0.2 m and pass thru wire fence (no gate): continue easterly 0.8 miles over traveled tracks to a wooden barracade on the right; park and hike up the spur to the lft along the top of a cliff 300' ± to the top and the station.

STATION MARK: A 4" LA County survey control system ~~[illegible]~~ traverse disc stamped " LEBEC B 13 1969 RE 5869" 1" above ground and set in a 6" conc. Post. No sub-surface mark was set.

REFERENCE MARKS:

RM1: A 4" LA County survey control system brass reference mark disc stamped "LEBEC B13 RM1 1969 RE5869" 2" above ground and set in a 6" conc. post.

RM2: Same as RM1 except stamped "RM2" and set on line to Lebec A 12.

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Notes Ck'd by	Survey of Geod. Control
Map. No.	0301.00 Type Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 6/9/69
Date	Indexed D.L.GALLI Date 8'69

F. B 2460 Pg. 113

LA COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LEEC B 13
(pg 3 of 4)

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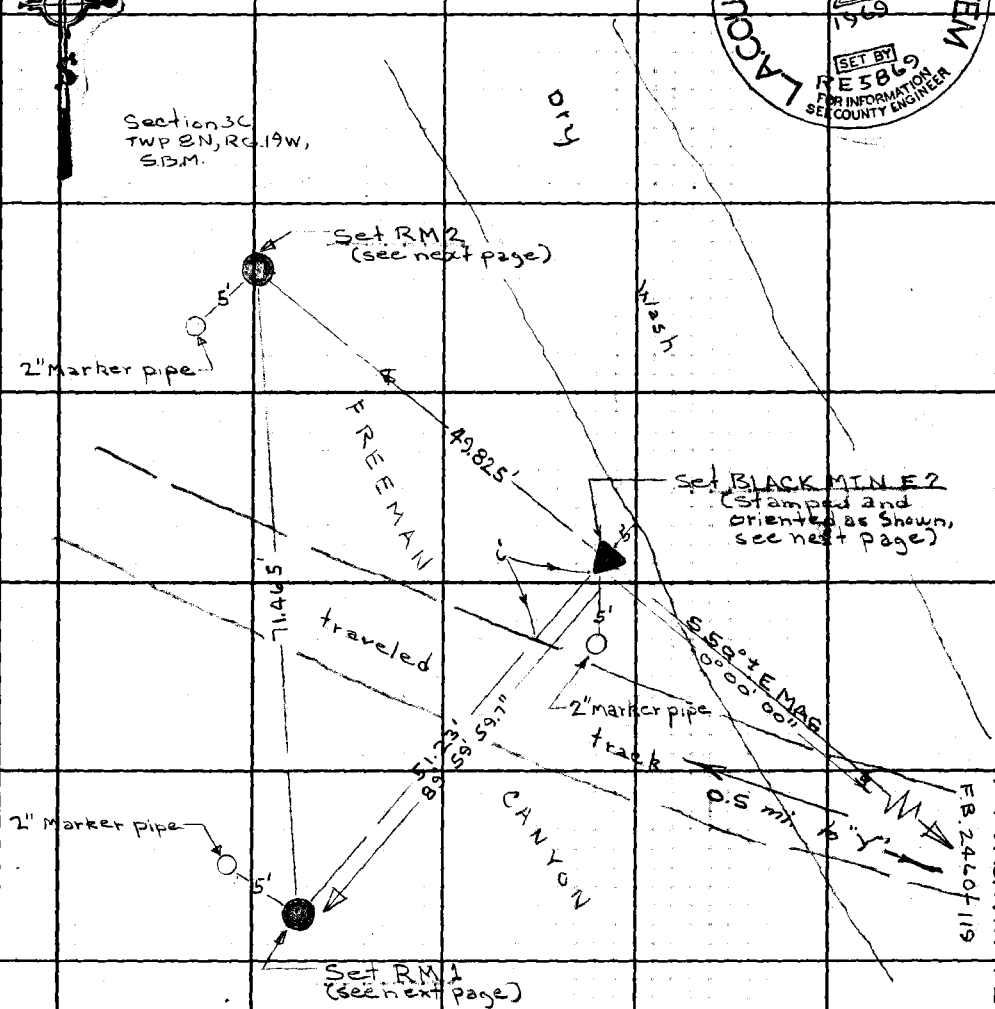
GEODETIC CONTROL

Notes Ck'd by	Survey of N.W. LA.CO.	F. B. 2460 PG. 115
Map No.	Type Std. °F	
Office Work	Surveyed by J. G. RANDALL	
Checked	Notes PYLE Date 1969	
Date	Indexed C. J. GALLI DEC 8 '69	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BLACK MTN E2
(Page 1 of 4 pages)



NOTE: See FBG 1246-49 for directions
See next page for measurements

LA COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BLACK MTN E2
1969
SET BY
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 1-65

F. B. 2460 PG. 116

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BLACK MTN F2
(Page 2 of 4 pages)

MEASUREMENTS:

300' TAPE 204	TEMP. @ 78°	50 METER TAPE M3
51.23'=51.23'	@ Level	15.614M=15.614M=51.227'
49.825'=49.825'	@ Level	15.188M=15.188M=49.829'
71.465'=71.465'	@ Level	21.783M=21.783M=71.466'

AREA: This TRAV. STA. is located in L.A. CO. in FREEMAN CYN., adjacant to PEACE VALLEY in the vicinity of the KINSEY RANCH. 1400'± S & 1300'± W of the N.E. Cor. of Sec. 36 T8N R19W see U.S.G.S. 7½' sheet "BLACK MTN" Quad. 1958

ROUTE: From the junction of GOLDEN STATE F, WAY & LOWER HUNGRY VALLEY RD. travel WLY across a cattleguard 0.15 miles to a "Y". Turn Left (S,LY) and proceed .30 miles to an inter. turn Right + (W, LY) 1.4 miles to a "Y," bear Right and go .20 miles to a wire gate on the Right (N) side of the road near the KINSEY RANCH BLDG's. Pass through the gate and follow a dirt road up the bottom of FREEMAN CYN. 1.3 miles to some abandoned farm bldg's. continue on 0.4 miles to a "Y" Intersection, br. left (West'ly) and drive 0.5 mi. (in Freeman Canyon) to the station on the right (North) side of the road.

STATION MARK: A 4" L.A. CO. SUR. CONT. SY. brass TRAVERSE disc stamped "BLACK MTN. F2 1969 RE 5869" Set in a 12" x 12" concrete pad 6" above grade.

SUB SURFACE MARKS: None set

REFERENCE MARKS: No 1 A 4" L.A. CO. SUR. CONT. SY. brass REFERENCE MARK disc stamped "BLACK MTN F2 RM 1 1969 RE 5869" Set in a 12" x 12" concrete pad 6" above grade.

No 2 Identical to RM 1 except stamped "2" and set on line produced from BLACK MTN F2

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GEODETIC CONTROL

Notes Ck'd by	Survey of N.W. L.A. CO.
Map No.	JN 6301.00 Tape ___ Std ___ °F
Office Work	Surveyed by J.G. RANDALL
Checked	Notes PYLE Date MAY 69
Date	Indexed C.J. GALLI DEC 8 '69

F. B. 2460 PG. 117

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BLACK MTN E2

(Page 3 of 4 pages)

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

F. B. 2460 PG 118

BLACK MTN E2

(Page 4 of 4 pages)

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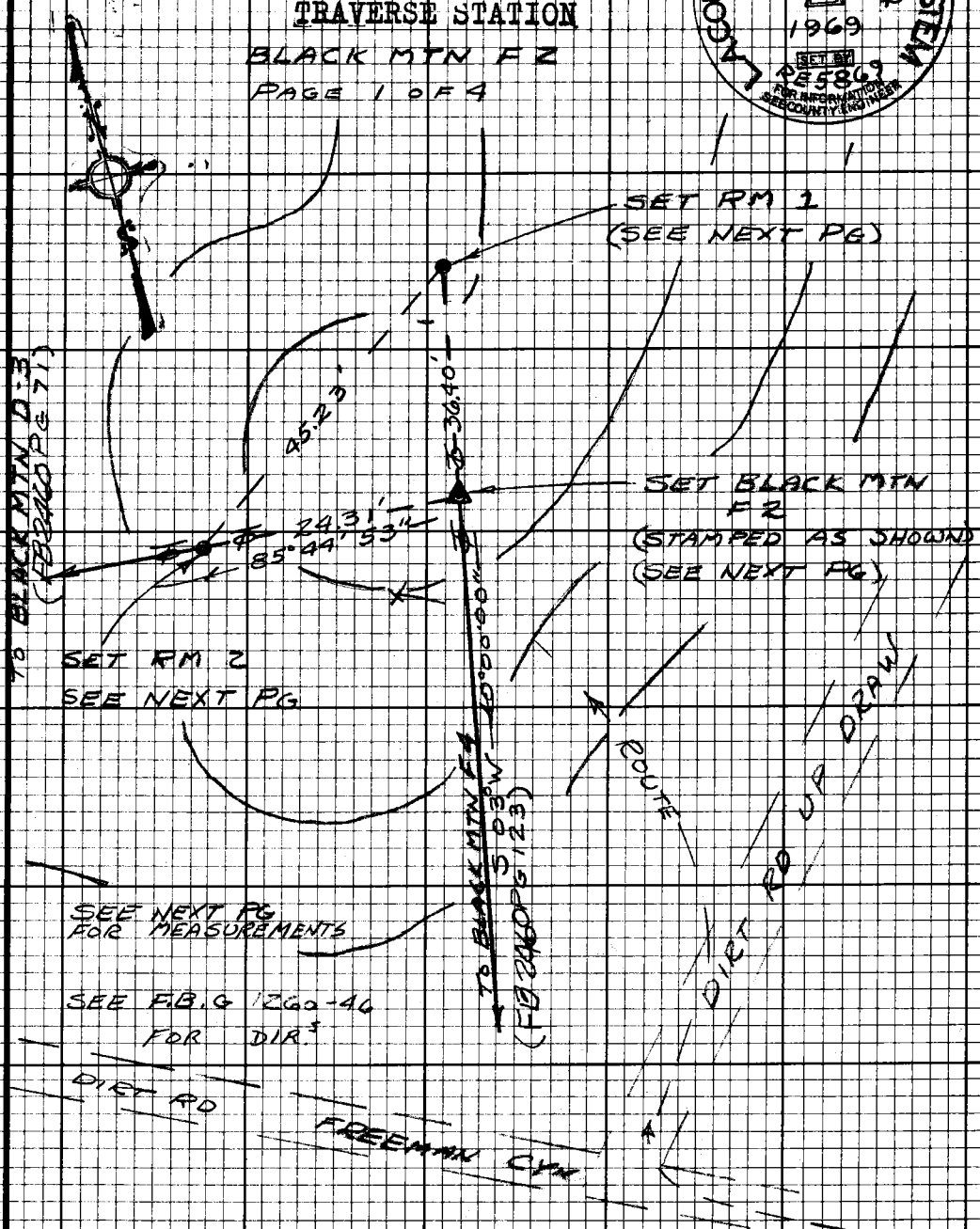
Notes Ck'd by	Survey of GEODETIC CONTROL F.B 2460 PG 119
Map No.	JN030100 Tape M4 Std 84°F
Office Work	Surveyed by WILSON-RANDALL
Checked	Notes ADAMS Date 5-15-69
Date	Indexed C.L. GALLI DEC. 8 69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BLACK MTN F2
PAGE 1 OF 4



L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BLACK MTN F2
1969
SET BY
RE5869
FOR INFORMATION SEE COUNTY ENGINEER

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE#310 9.67

L. A. COUNTY SURVEY CONTROL SYSTEM

F.B. 2960 Pg 120

TRAVERSE STATION

BLACK MTN F 2

Pg 2 OF 4

MEASUREMENTS

300' TAPE #180 TEMP 80° 50 M TAPE #M4

36.40' @ L = 36.40'

45.23' @ L = 45.23'

29.31' @ L = 29.31'

11.095 M @ L = 11.095 M = 36.403'

13.786 M @ L = 13.786 M = 45.232'

7.408 M @ L = 7.408 M = 24.306'

AREA: THIS TRAVERSE STATION IS LOCATED IN LOS ANGELES COUNTY, IN FREEMAN CANYON IN THE GORMAN AREA, IN SECTION 31, T8N R18W 1300'± N. OF THE S. SECTION LINE & 1700'±E. OF THE W. SECTION LINE. USE USGS 7½' BLACK MTN QUAD SHEET

ROUTE: FROM THE JUNCTION OF GOLDEN STATE FWY & LOWER HUNGRY VALLEY RD (1 MI S. OF QUAIL LAKE RD) TRAVEL W,LY ACROSS CATTLE GUARD 0.15 MI TO "Y". TURN LFT (S,LY) & PROCEED 0.3 MI TO AN INTERSECTION. TN RT (W,LY) 1.4 MI TO A "Y" BEAR RT & GO 0.2 MI TO A WIRE GATE ON RT (N,LY) SIDE OF RD, NEAR THE KINSEY RANCH BLDGS. PASS THRU GATE & FOLLOW DIRT RD UP BOTTOM OF FREEMAN CYN 1.2 MI TO A DIRT RD ON RT. (E,LY). TURN RT & DRIVE 0.2 MI E,LY UP DRAW THEN LFT ON T.T. 400'± ON T.T. TO STATION.

STATION MARK: A 4" L.A. Co. SUR. CONT SYS. BRASS TRAVERSE DISC, STAMPED "BLACK MTN F 2 1969 RE 5869" SET IN 12"X12" CONC. PAD UP 6". No SUBSURFACE MARK SET

REFERENCE MARKS

RM 1: A 4" L.A. Co. SUR. CONT SYS BRASS R.M. DISC, STAMPED "BLACK MTN F 2 RM 1 1969 RE 5869" SET IN 12"X12" CONC PAD, UP 6", & ON LINE PROD FROM BLACK MTN F 4

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Notes Ck'd by	Survey GEODETIC CONTROL F.B. 2460 Pg. 121
Map No.	JN030100 Tape M4 180 Std 84 °F
Office Work	Surveyed by R. WILSON-J. RANDALL
Checked	Notes ADAMS Date 5-15-69
Date	Indexed C.J. GALLI DEC 8 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BLACK MTN F 2
PG 3 OF 4

R.M. 2: SAME AS RM 1, BUT STAMPED RM 2 & ON LINE TO BLACK MTN D 3

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75F3C98 CE#310 9-67

F.B. 2460 Pg 122

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BLACK MTN E 2

Pg 4 of 4

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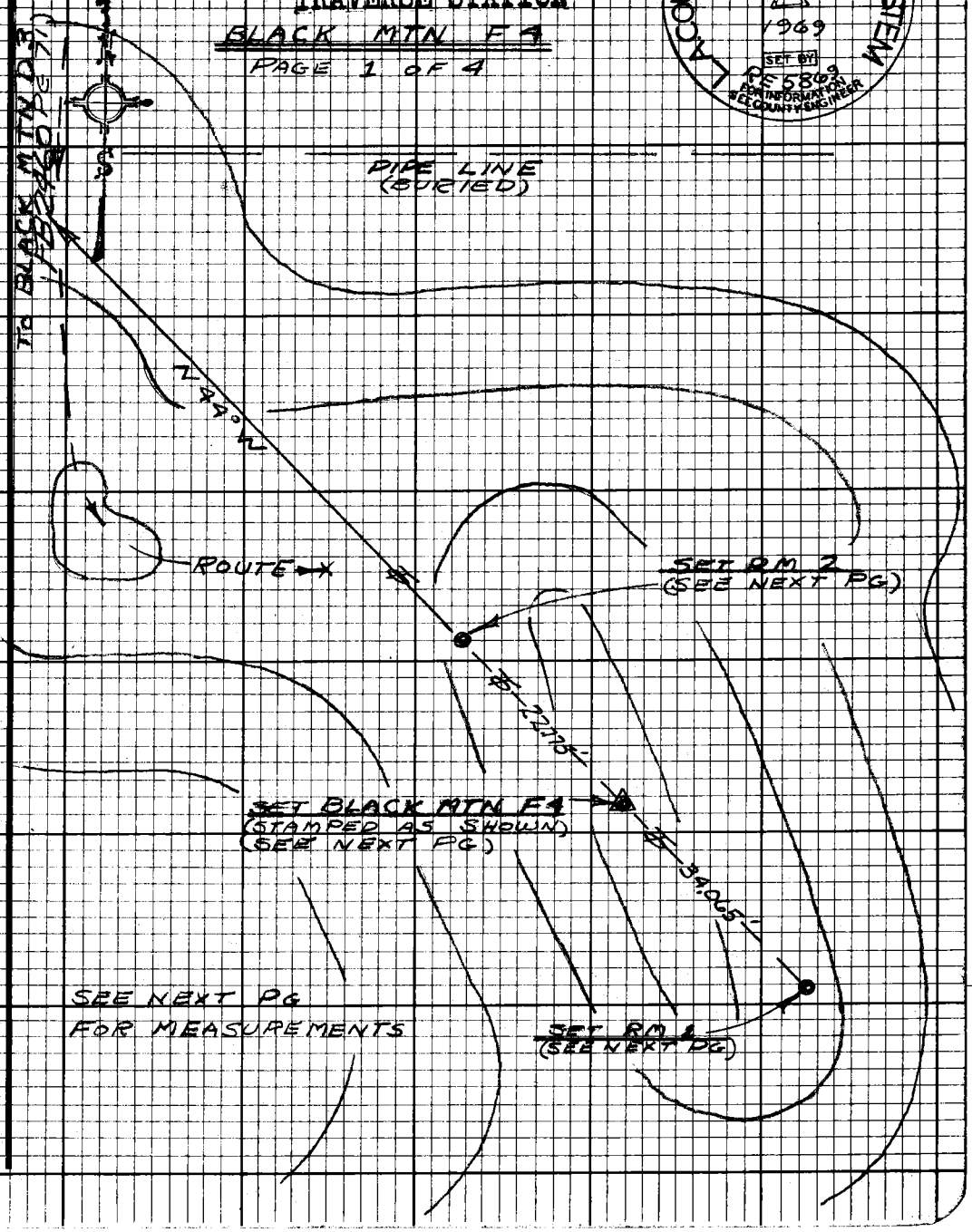
Notes Ck'd by	Survey of GEODETIC CONTROL F.B 2460 Pg 123
Map No.	JN030150 Tape M4 .80 Std 84 °F
Office Work	Surveyed by WILSON-RANDALL
Checked	Notes ADAMS Date 5-15-69
Date	Indexed C.L. GALL DEC 8 '69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BLACK MTN F4
1969
SET BY
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BLACK MTN F4
PAGE 1 OF 4



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75F3098 CE#310 9-67

L. A. COUNTY SURVEY CONTROL SYSTEM

F.B. 2960 Pg 124

TRAVERSE STATION

BLACK MTN F 4

MEASUREMENTS (PG. 2 OF 4)

300' TAPE #180 TEMP = 78° 50 MTR. TAPE # M4

22.775' @ L = 22.775' 6.943 M @ L = 6.943 M = 22.780'

39.065' @ L = 39.065' 10.382 M @ L = 10.382 M = 34.063'

AREA: THIS TRAVERSE STATION IS LOCATED IN LOS ANGELES COUNTY, IN FREEMAN CANYON OF THE GORMAN AREA, IN SECTION 6, T7N, R18W, 200'N. OF THE S. SECTION LINE & 1500'± E. OF THE W. SECTION LINE. USE U.S.G.S. 7½' BLACK MTN QUAD. SHEET.

ROUTE FROM THE JUNCTION OF THE GOLDEN STATE FWY & LOWER HUNGRY VALLEY RD (½ MI SOUTH OF QUAIL LAKE RD) TRAVEL W,LY ACROSS CATTLE GUARD 0.15 MI TO "Y". TN LEFT (SLY) & PROCEED 0.3 MI TO AN INTER. TN RT. (WLY) 1.4 MI TO A "Y" BEAR RT & GO 0.2 MI TO A WIRE GATE ON RT (N,LY) SIDE OF RD NEAR THE KINSEY RANCH BLDGS. PASS THRU THE GATE & FOLLOW A DIRT RD UP THE BOT OF FREEMAN CYN 0.6 MI TO RD TO LFT WLY, TN LFT & FOLLOW RD 0.35 MI TO BURIED PIPE LINE. TN LEFT & FOLLOW PIPE LINE 0.05 MI TO TOP OF RIDGE TN RT & FOLLOW RIDGE 0.15 MI TO STATION.

STATION MARK: A 4" L.A. CO. SUR. CONT SYS BRASS TRAVERSE DISC STAMPED "BLACK MTN F 4 1969 RE 5869" SET IN 12"X12" CONC PAD UP 6". NO SUB SURFACE MARK SET

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS BRASS RM DISC STAMPED "BLACK MTN F 4 RM 1 1969 RE 5869" SET IN 12"X12" CONC PAD UP 6" & ON LINE / FROM BLACK MTN D 3

RM 2: SAME AS RM 1, BUT STAMPED RM 2 & ON LINE TO BLACK MTN D 3

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Notes Ck'd by	Surv GEODETIC CONTROL F.B. 2460 PG 125
Map No.	JN 30100 Tape M4 180 Std 84 °F
Office Work	Surveyed by WILSON RANDALL
Checked	Notes ADAMS Date 5-15-69
Date	Indexed C. J. GALLI DEC 8 69

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BLACK MTN F4

PG 3 OF 4

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76F3098 CE#310 9-67

F.B. 2460 Pg 126

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BLACK MTN F 4

PG 4 OF 4

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GEODETIC CONTROL

Notes Ck'd by	Survey of N.W. L.A. CO.	F. B. 2460 PG. 127 ~~107~~
Map No.	JN 0301.00 Tape — Std — °F	
Office Work	Surveyed by WILSON / RANDALL	
Checked	Notes RANDALL Date AUG-'69	
Date	Indexed C.J. GALLI SEP 5 '69	

Pg. 1 of 4 pgs.

ECCENTRIC TIE TO LEBEC H9A & H9B

J.N. 0301.00

AUG.-1969

REFERENCE

F.B. 943-234-236

F.B. 943-177

U.S.C.&G.S. STATION CARD (MAXY)

PARTY

WILSON, R.C.
ADAMS, C.W.
PYLE, C.A.
FISHER, D.H.
BARNETT, W.
RANDALL, J.G.

Noted on Geo. Index Card
Placed on U.S. Quad. Shts.
Placed on Sec. Cor. W.S. No.
Sketch on Geo. Desc. Card

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76F3095 CE#310 3-68

F. B. 2460 PG 129 108

Pg. 2 of 4 Pgs.

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LEB H-9
F.B. 943-236
2460-109
129

F.B. 943-234

1X2 STK. PER
F.B. 943-234
NOT FOUND

GEODIMETER
DISTANCE
F.B. 3618-93-94

TO: LEB I-9
F.B. 943-177

LEB H-9B
ECC. 1
F.B. 2460-109
129

GEODIMETER DIST.
F.B. 3618-89.90

F.B. 2460
109 & 110
129 130

F.B. 943-
234

LEB H-9A
F.B. 2460-23
943-234
2460-109
129

LEB H-9B
F.B. 2460-23
" -109
129

TO: LEB I-15A
F.B. 2460-43

F.B. 943-235

1X2 STK. PER
F.B. 943-235
NOT FOUND

DISTANCE PER U.S.C.&G.S. STATION CABLE (MAY)

CALCULATED DISTANCE

GEODIMETER DISTANCE SEE F.B. 3618-87-88

FMT J-12
F.B. 2460
95

FOR DISTANCE
SEE F.B. 2460-
95 & 99

FMT I-12
F.B. 2460-99

INDEX
SCHEME
NO
SCALE

GEODETIC CONTROL

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

Survey of N.W.L.A. Co.
JN 0301.00 Tape — Std — °F
Surveyed by WILSON / RANDALL
Notes RANDALL Date AUG '69
Indexed C.L. GALLI SEP 5 '69

F. B. 2460 PG. 129 ~~109~~

Plotted on Grader Card
Placed on U.S. Quad. Shts.
Placed on Gen. Div. W.S. No.
Sketch on Geo. Desc. Card

Pg. 3 of 4 Pg's.

FD. R.M. 3 F.B. 943-236

FD. LEBEC H-9 F.B. 943-236

3°-08'-14.3" 65.17' R

0°-00'-00"

TO: FMT. J-12 F.B. 2460-95

T8N - R18W S.B.M.

203°-55'-17" 203.72' R F.B. 943-235

SECTION 5

SECTION 8

261°-34'-37" 250.69' R Per F.B. 943-234

311.35' Meas.

125°-46'-45" R F.B. 943-234

93°-26'-10" R F.B. 943-235

Per F.B. 943-234

59.07' R

75.25' R

1x2 S/H. See Pg. 128

1x2 S/H. See Pg. 128

TO: LEBEC I-9 F.B. 943-177

GEODIMETER DIST. F.B. 3618-~~89~~ 90 ~~93~~ 94

0°-00'-00"

82°-38'-20.38"

117.04

SET LEBEC H-9B ECC. 1 (See next Page)

Geodimeter DISTANCES F.B. 3618-~~89~~ 90

FD. LEBEC H-9A F.B. 943-234 (19-NOV-'69) CHANGES SEE FBG'S

NOTE: 1313-47 & 1314-44 FOR DIRECTIONS SEE F.B.G. 1310-22, 1312-19, 1310-19

FOR MEASUREMENTS SEE F.B. 943-~~4~~ Next Pg. (this book).

72°-26'-24.11" Meas.

96.49

117°-37'-52.75"

305°-32'-14.73"

83.56'

294°-09'-40.72"

TO: FMT. J-12 F.B. 2460-~~99~~ 95

0°-00'

0°-00'-00"

GEODIMETER DIST. F.B. 3618-~~87~~ 88 CALCULATED

GEODIMETER DIST. F.B. 3618-~~87~~ 88

TO: LEBEC I-9 F.B. 943-177

FD. LEBEC H-9B F.B. 2460-23

TO: FMT I-12 F.B. 2460-99

TO: LEBEC I-15A F.B. 2460-43

300' Tie = N 175 W 117.06 Iron @ 52° = 117.04 N 35.673 W

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

78E3095 CE#310 3-68

F. B. 2460 PG. ~~130~~ 110

MEASUREMENTS:

300' TAPE Nº 204 TEMP = 72° @ Level 50 Mtr TAPE Nº M3

96.48' = 96.48' Sec F.B. 2460-23

56.88'	44.535m	
108.40'	33.037m	
146.11'	17.336m	
311.39' = 311.35'	94.908m = 94.896m = 311.338'	

83.57' = 83.56' 25.472m = 25.469m = 83.559'

AREA: These TRIANGULATION STATIONS are located in Los Angeles Co., in the TEHACHAPI MTNS. area near Gorman. on a hill marked "4871 TEJON LOOKOUT", in Sections 5 & 8 - T8N - R18W S.B.M. as noted below:

LEB H-9: 1100' ± E. & 100' ± N. of the S.W. Cor. of Sec. 5.

LEB H-9 A: 1200' ± E. & 100' ± S. of the ~~Std.~~ N.W. cor. of Sec. 8.

LEB H-9 B & Ecc. 1: 1200' ± E. & ~~100'~~ 200' ± S. of the N.W. Cor. Sec. 8.

See U.S.G.S. 7½ min. Sheet "LEBEC, CALIF.".

ROUTE: From the LANCASTER-PALMDALE offramp on North bound Interstate 5, about 3.3 mi. South of Gorman, travel East'ly on CAL 138, 1.3 mi. to old Lancaster Rd, (Gorman turn off), turn left and follow the old highway West'ly 1.± mi. to a summit, turn right and follow dirt road 0.2 mi. to a locked gate, opposite a Stone Farm house. Pass through gate (L-Key) and continue on dirt road 0.45 mi. to a fork. Br. left, at transmission lines, and continue upgrade on traveled road 2.2 mi. to a Fork, @ "OSO FIRE TANK" Sign, br. left and up-grade 1.2 mi. to Micro Ware Relay Site, at the Top of the Mtn. & Stations in the Vicinity.

STATION MARKS:

LEB H-9: A 4" U.S.C.&G.S. brass Triangulation disc stamped "TEJON 1941", up 9" in a 9" x 9" conc. pad.

LEB H-9A: A 4" U.S.G.S. brass disc stamped "IN COOPERATION WITH LOS ANGELES COUNTY CNT TEJON", Flush in a 6"x 6" conc. pad. See F.B. 943-238 for additional information.

LEB H-9B: See F.B. 2460-23, for information on B.M.'s.. A 4" L.A.Co. SUR CONT. SYSTEM brass triangulation disc stamped "LEBEC H 9 B 1969 RE 5869", up 3" in a 6" conc. post.

LEBEC H-9B Ecc 1: A 1" I.P. 4" Conc. plug & L.A.Co. ENG'R. tag Flush with the ground

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GEODETIC CONTROL

Notes Ck'd by	Survey of N.W.L.A. CO.
Map No.	JN 0301.00 Tape — Std — °F
Office Work	Surveyed by WILSON / RANDALL
Checked	Notes JGR, RCW Date AUG-69
Date	Indexed D.L.GALLI DEC 8'69

F. B. 2460 PG. 131

TRAVERSE ALONG PORTIONS OF THE WEST'LY & NORTH'LY COUNTY BOUNDARY

J.N. 0301.00

REFERENCE

C.S.B. 711-3

PARTY

WILSON — RANDALL
ADAMS — PYLE
BARNETT — FISHER, D.
COCKERHAM

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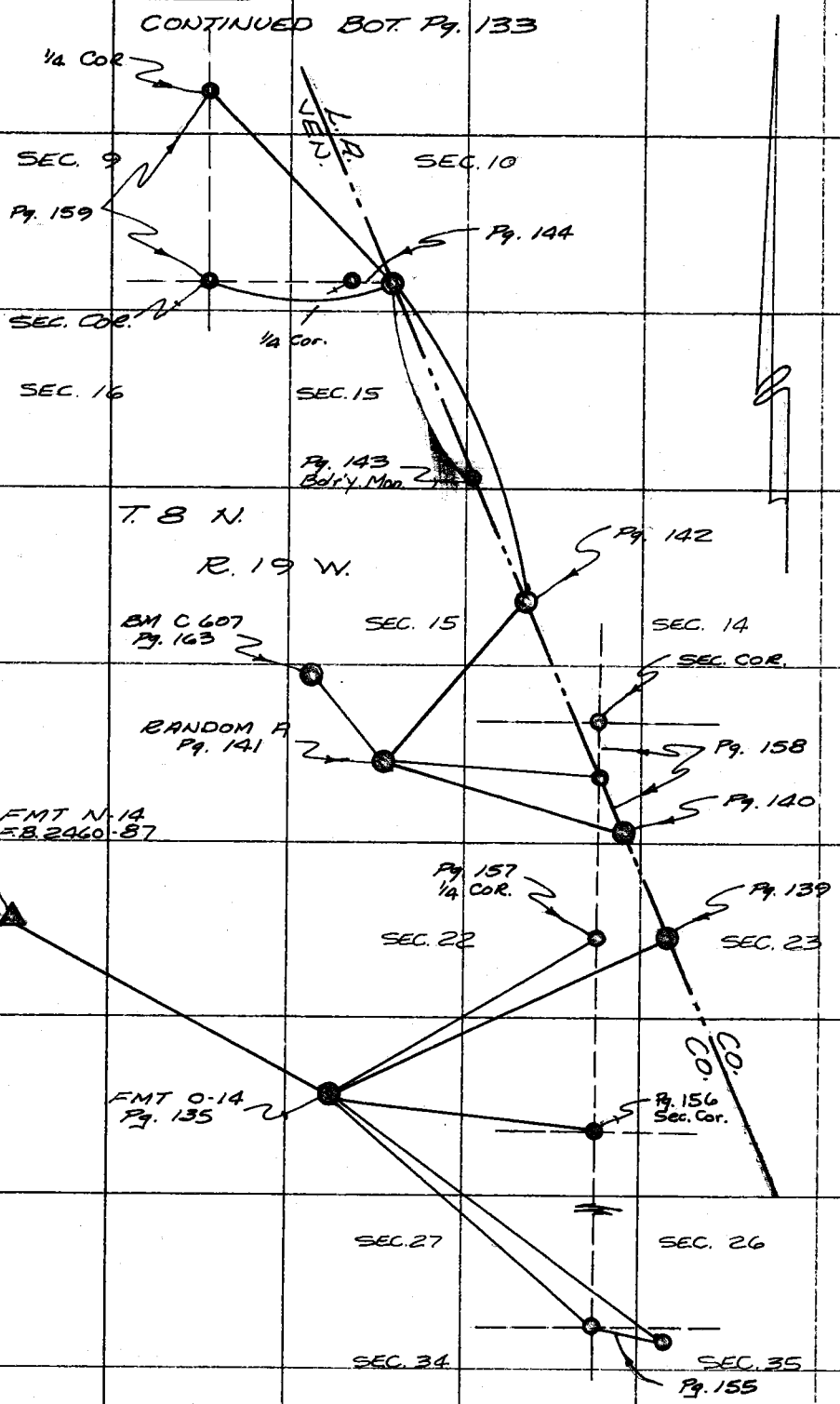
403 LOS ANGELES COUNTY ENGINEERING BLDG.

16F3095 CE#310 3-68

F. B. 2460 PG. 132

CONTINUED BOT. Pg. 133



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Geodetic Control

Notes Ck'd by	Survey of N.W.L.A.CO.
Map No.	JN 230190 Tape — Std — °F
Office Work	Surveyed by WILSON / RANDALL
Checked	Notes RCW / JGR Date AUG-69
Date	Indexed C.L.GALL DEC 8'69

F. B. 2460 PG. 133

CONTINUED PG. 134

TO: J. RANDOM "B" M Pg. 151

4 Cor. Pg. 164

PG. 134

CO. COR. Pg. 147

KERN CO.

FRAZIER L.A. PARK RD.

SEC. 4

SEC. 3

CO. BDR'Y MON. WITNESS COR. Pg. 147

CO. BDR'Y MON. Pg. 149

SEC. COR. Pg. 148

STATE HWY. MON. Pg. 150

OLD HWY. 99

INTERSTATE 5

CONTINUED

T. 8 N. - R. 19 W. S.B.M.

CO. BDR'Y. MON. Pg 146

L.A. CO. VEN. CO.

SEC. 9

SEC. 10

FMT 0-10 PG. 11

DISTANCE See Pg. 160

CO. BDR'Y. MON. Pg. 145

CONTINUED PG. 132

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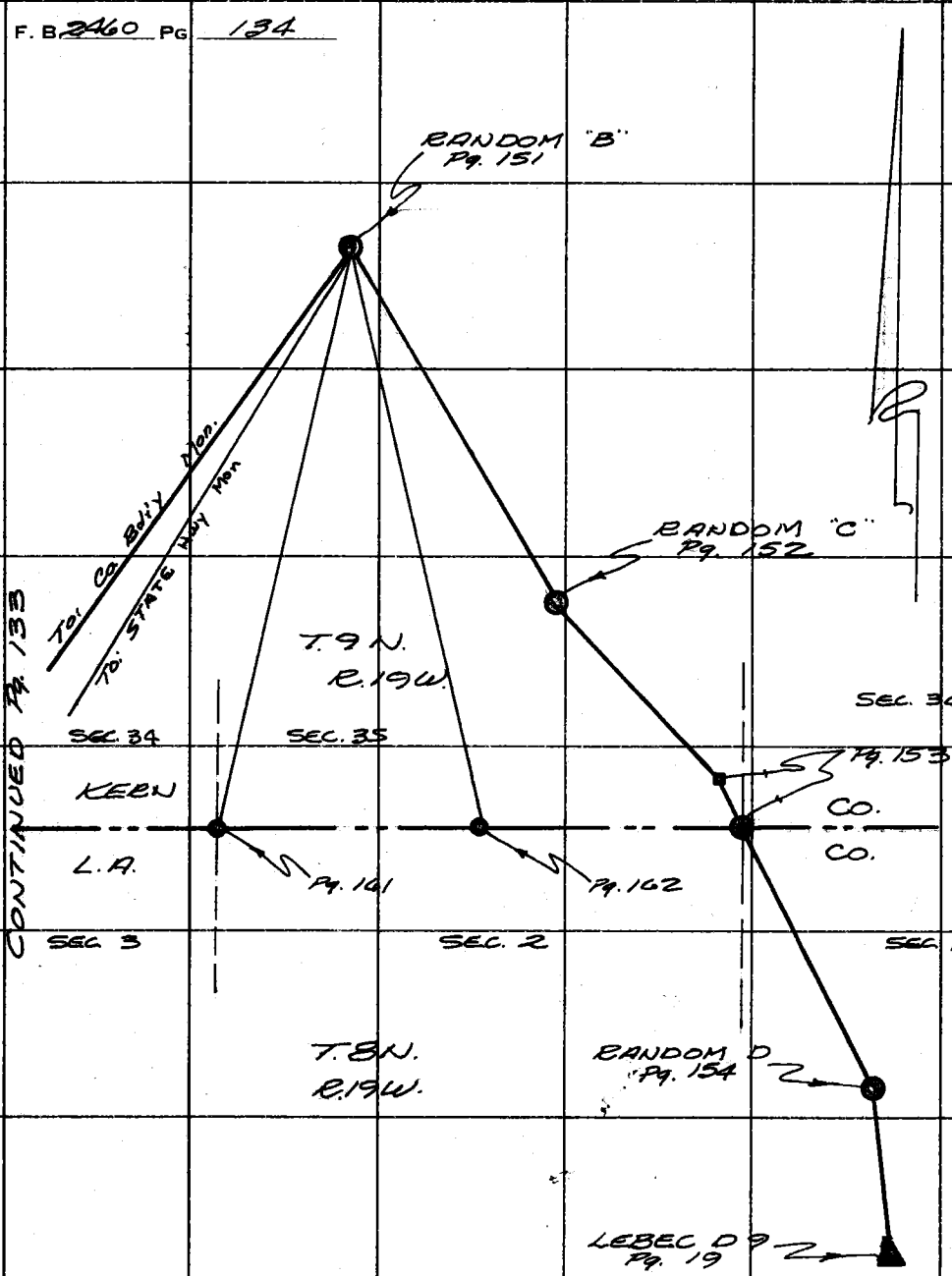
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

F. B 2460 PG 134



CONTINUED Pg. 133

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GEODETIC CONTROL

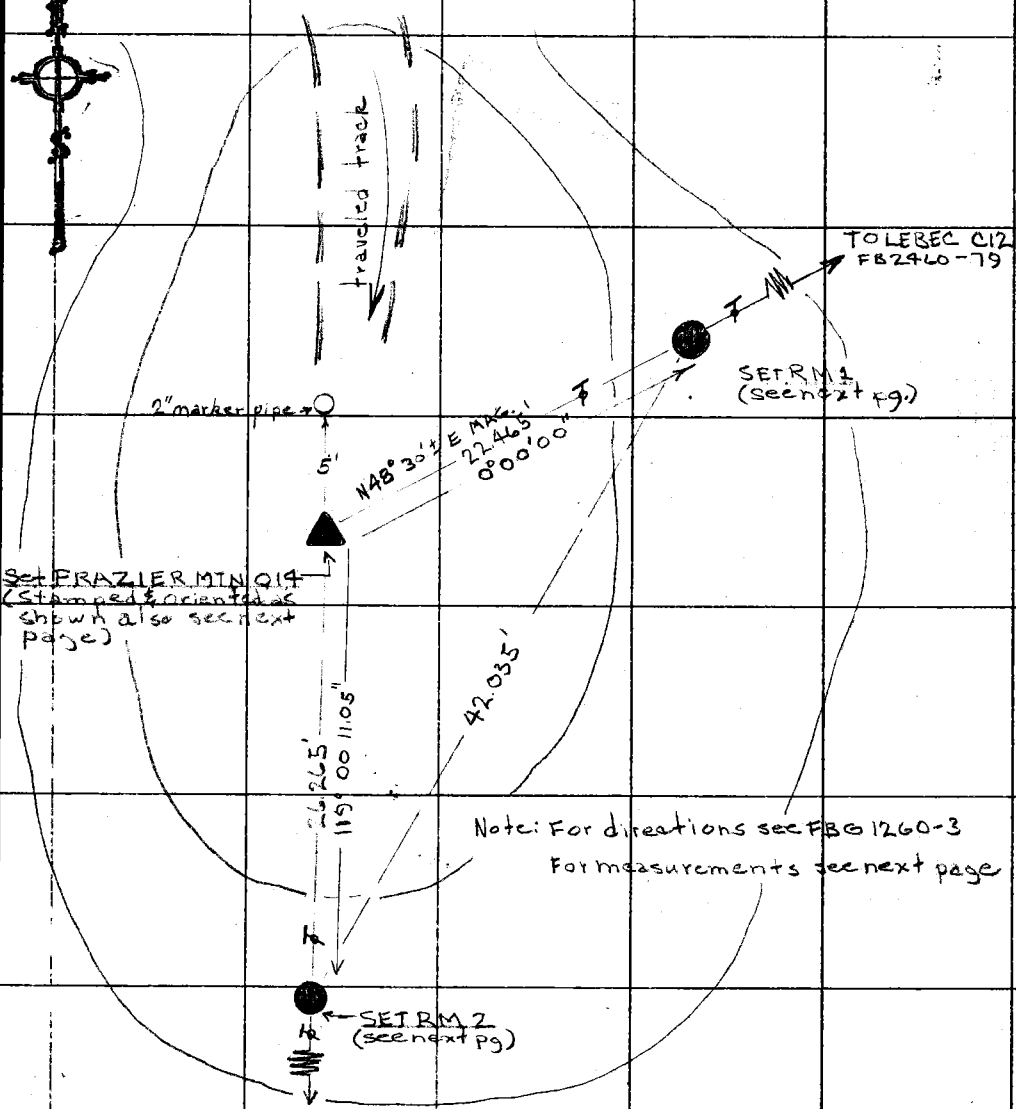
Notes Ck'd by	Survey of N.W. L.A. CO.
Map No.	JN 0301.00 Tape ____ Std ____ °F
Office Work	Surveyed by J G RANDALL
Checked	Notes C PYLE Date May 69
Date	Indexed C.J. GALL DEC 8 '69

F. B. 2460 PG. 135

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FRAZIER MTN 014
1969
SET BY
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER

L. A COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FRAZIER MTN 014
(Page 1 of 4 pages)



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76F309S CE#310 3-68

F. B. 2460 PG. 136

L. A COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
FRAZIER MTN. 014
(page 2 of 4 pages)

MEASUREMENTS:

300' TAPE 175	TEMP. @ 78°	50 METER TAPE M6
22.465' = 22.465'	@ Level	6.848 m = 6.848 m = 22.47'
26.265' = 26.265'	@ Level	8.006 m = 8.006 m = 26.269'
42.035' = 42.035'	@ Level	12.813 m = 12.813 m = 42.04'

AREA: This TRAVERSE STA. is located in VENTURA CO. in HUNGRY VALLEY. 650' ± N. & 2000' ± W of the S.E. cor. of SEC. 22 T8N, R19W, See USGS 7½ sheet "FRAZIER MTN" Quad. 1958

ROUTE: From the intersection of old HWY 99 & HUNGRY VALLEY RD. travel S.WLY. on HUNGRY VALLEY RD. 2.2 miles, crossing one cattle guard and passing through 3 openings in fences, to a cattle guard and gateway in the fence. Pass through and turn Right (WLY) and follow the traveled track along the South side of the fence 0.10 miles. Turn Left (SLY) and proceed .20 miles to a "Y" in a low saddle. Take the Left (S.ELY) branch up the ridge .20 miles to the station.

STATION MARK: A 4" L.A.CO. SUR CONT. SY. brass TRAVERSE STA disc stamped "FRAZIER MTN 014 1969 RE 5869" Set in a 12"x12" concrete post 6" above grade.

SUB. SURFACE MARKS: None set.

Continued top of next page

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Notes Ck'd by	Survey of N.W.L.A.CO
Map No.	JN030100 Tape — Std — °F
Office Work	Surveyed by J.G. RANDALL
Checked	Notes C PYLE Date May 69
Date	Indexed C. J. GALLI DEC 8 '69

F. B. 2460 PG. 137

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

FRAZIER MTN 014

(Page 3 of 4 pages)

REFERENCE MARKS: Nº 1 A 4" L.A. CO. SUR. CONT. SY. brass REF. MARK disc stamped "FRAZIER MTN. 014 RM1 1969 RE 5869" Set in a 12"x12" concrete post 6" above grade, on line to LEBEC C12.

Nº 2 Identical to Nº 1 except stamped "2" and set on line to BLACK MTN. A3

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76F3095 CE#310 3-68

L. A COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

F. B. 2460 PG. 138

FRAZIER MTN 014
(Page 4 of 4 pages)

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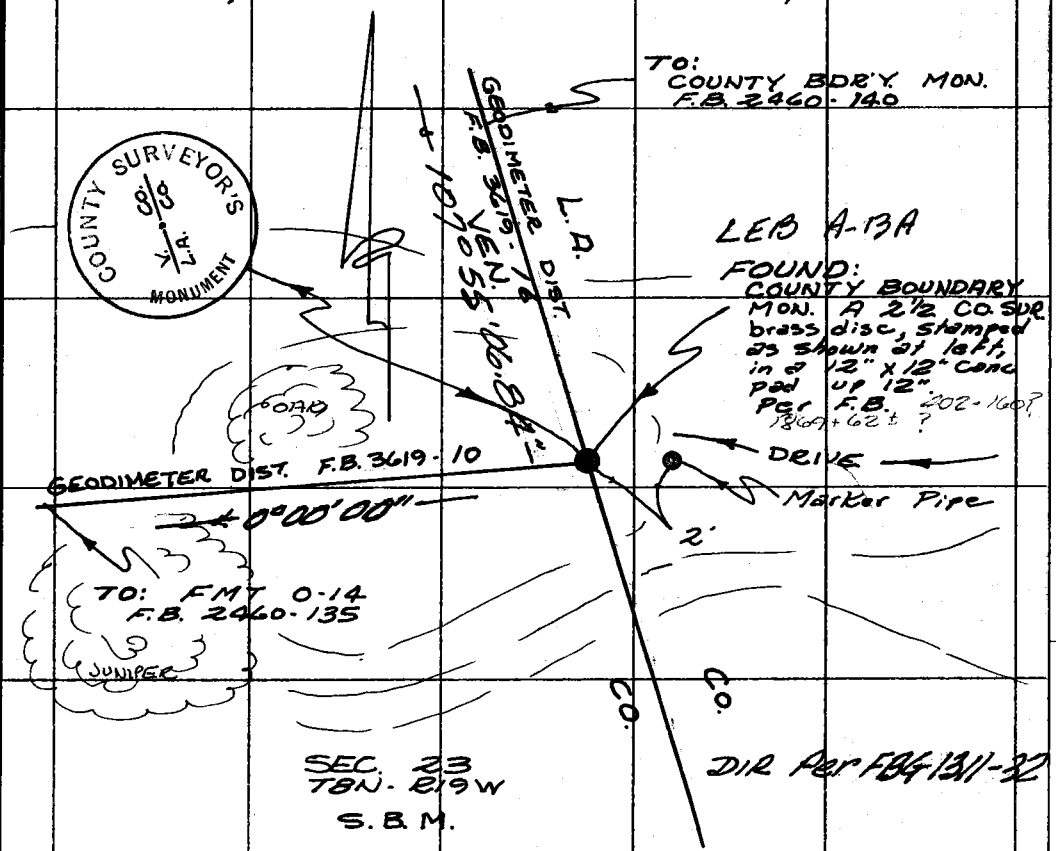
Office Work	Surveyed by J.G. Randall
Checked	Notes JGR Date Aug '69
Date	Indexed D.L.GALLI DEC 2'69

F. B. 2460 PG. 139 ✓

WEST COUNTY BOUNDARY LINE

ROUTE: From the intersection of Hungry Valley Road & Old Hwy 99 (Peace Valley Rd.), 1 mi West of Gorman, Travel Southerly on Hungry Valley Rd. 2.4 mi. to a Cross fence. Turn left (East) on dirt road (North of fence line), travel Easterly 0.4 mi and cross dry wash, continue Easterly & Northerly 0.15 mi. Road turns sharply to the right (East) and goes through an opening in a North-South fence line. Continue Easterly & up-grade 0.25 mi to the summit. Turn right (Southerly) and drive along a side Hill (South of the ridge top) 500' ± to the Monument at the highest part of the ridge. A 1½" marker pipe, 5' high is 2' East.



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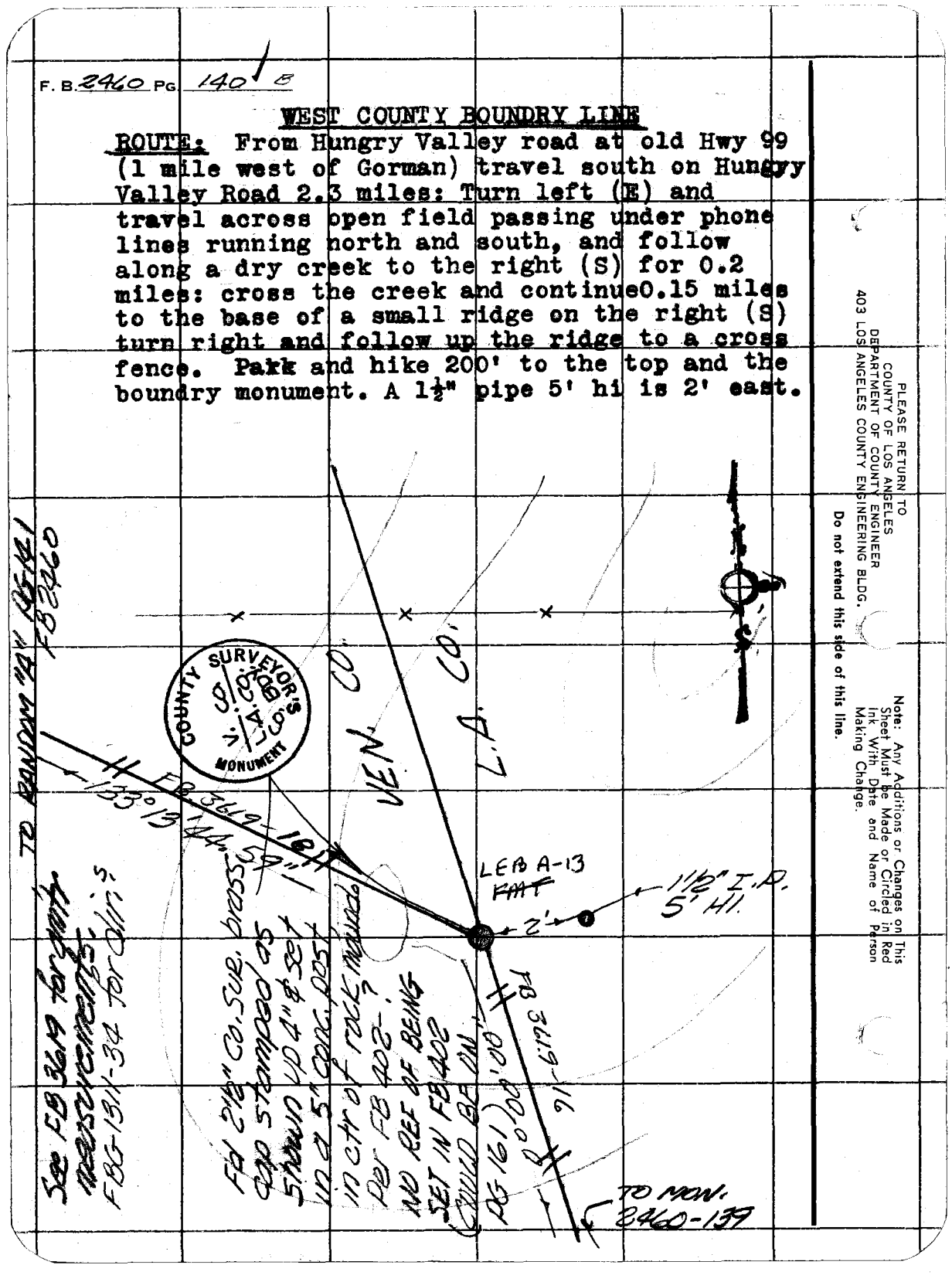
76F3095 CE#310 3-68

F. B. 2460 PG. 140 1 B

WEST COUNTY BOUNDRY LINE

ROUTE: From Hungry Valley road at old Hwy 99 (1 mile west of Gorman) travel south on Hungyy Valley Road 2.3 miles: Turn left (E) and travel across open field passing under phone lines running north and south, and follow along a dry creek to the right (S) for 0.2 miles: cross the creek and continue0.15 miles to the base of a small ridge on the right (S) turn right and follow up the ridge to a cross fence. Park and hike 200' to the top and the boundry monument. A 1½" pipe 5' hi is 2' east.



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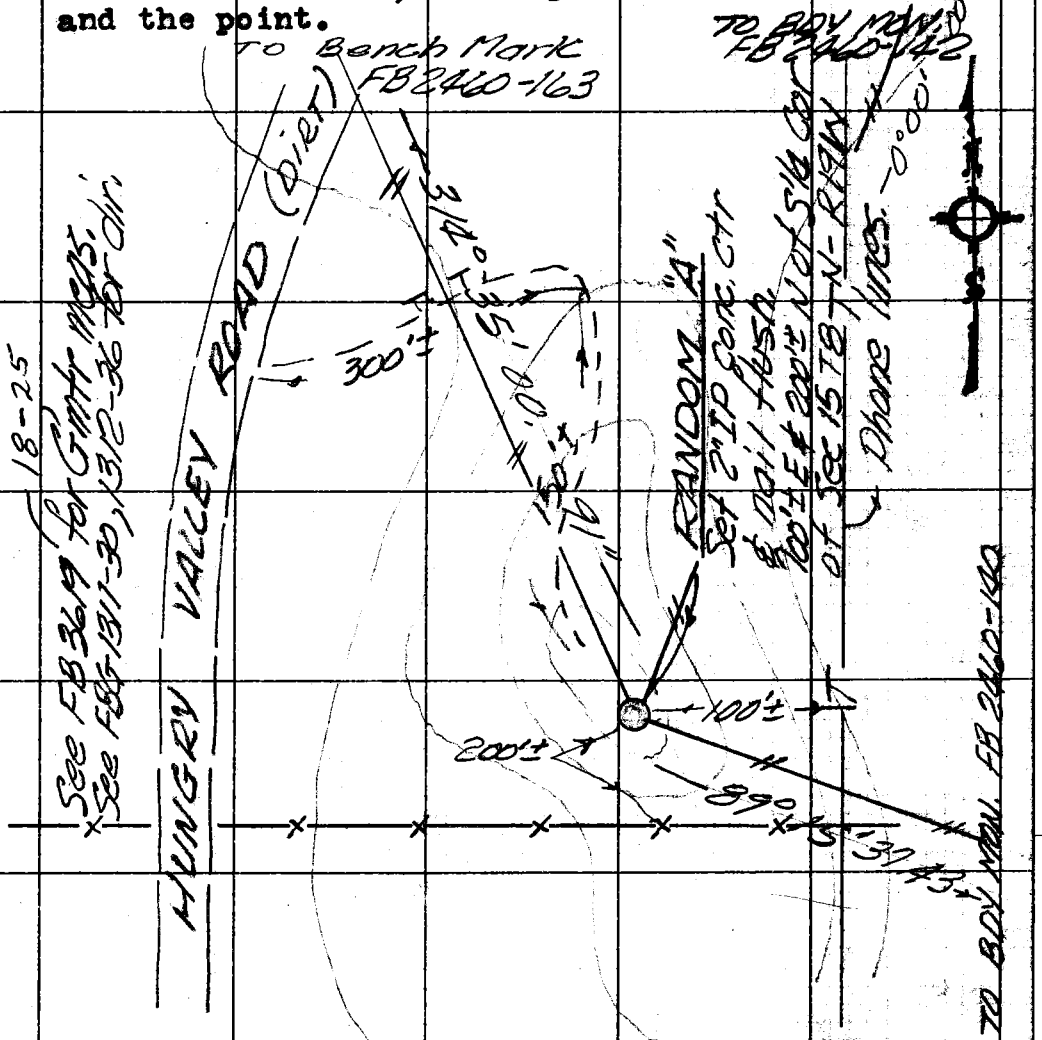
Map No.	JN 0301.00 Tape RCW Std °F	
Office Work	Surveyed by RCW	
Checked	Notes Date 6/18/69	
Date	Indexed C. L. GALLI DEC 8 '69	

RANDOM "A" FMT ϕ-13

ROUTE: From Hungry Valley Road at old Hwy 99 (1 mile west of Gorman) travel south on Hungry valley Road 2.0 miles to a small prominent knob to the left of the road 300'±, and 200'± north of a cross fence: turn left and travel along base to knob 300', then up the side to the top and the point.



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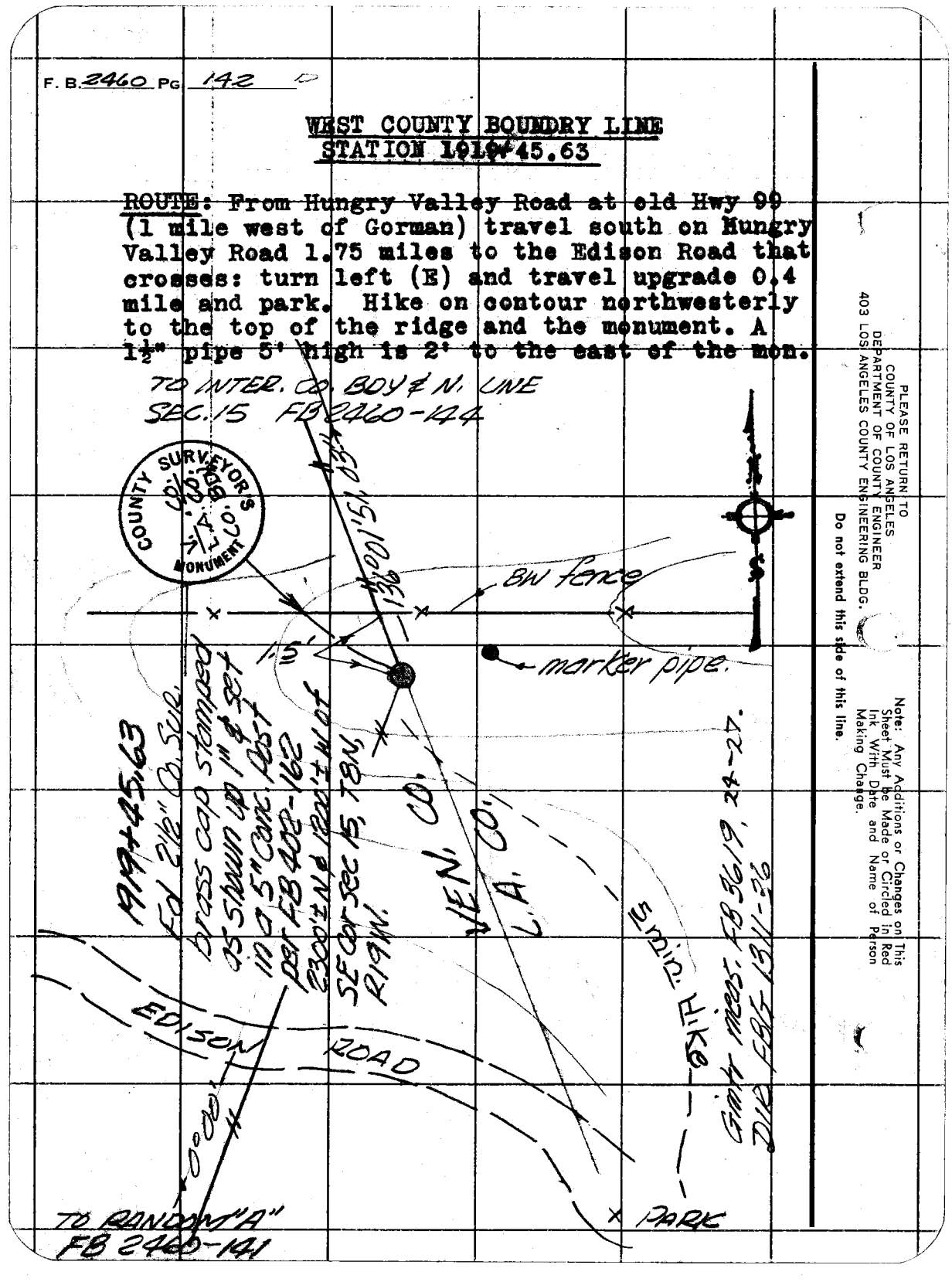
F. B. 2460 PG 142

WEST COUNTY BOUNDRY LINE
STATION 1019+45.63

ROUTE: From Hungry Valley Road at old Hwy 99 (1 mile west of Gorman) travel south on Hungry Valley Road 1.75 miles to the Edison Road that crosses: turn left (E) and travel upgrade 0.4 mile and park. Hike on contour northwesterly to the top of the ridge and the monument. A 1½" pipe 5' high is 2' to the east of the mon.



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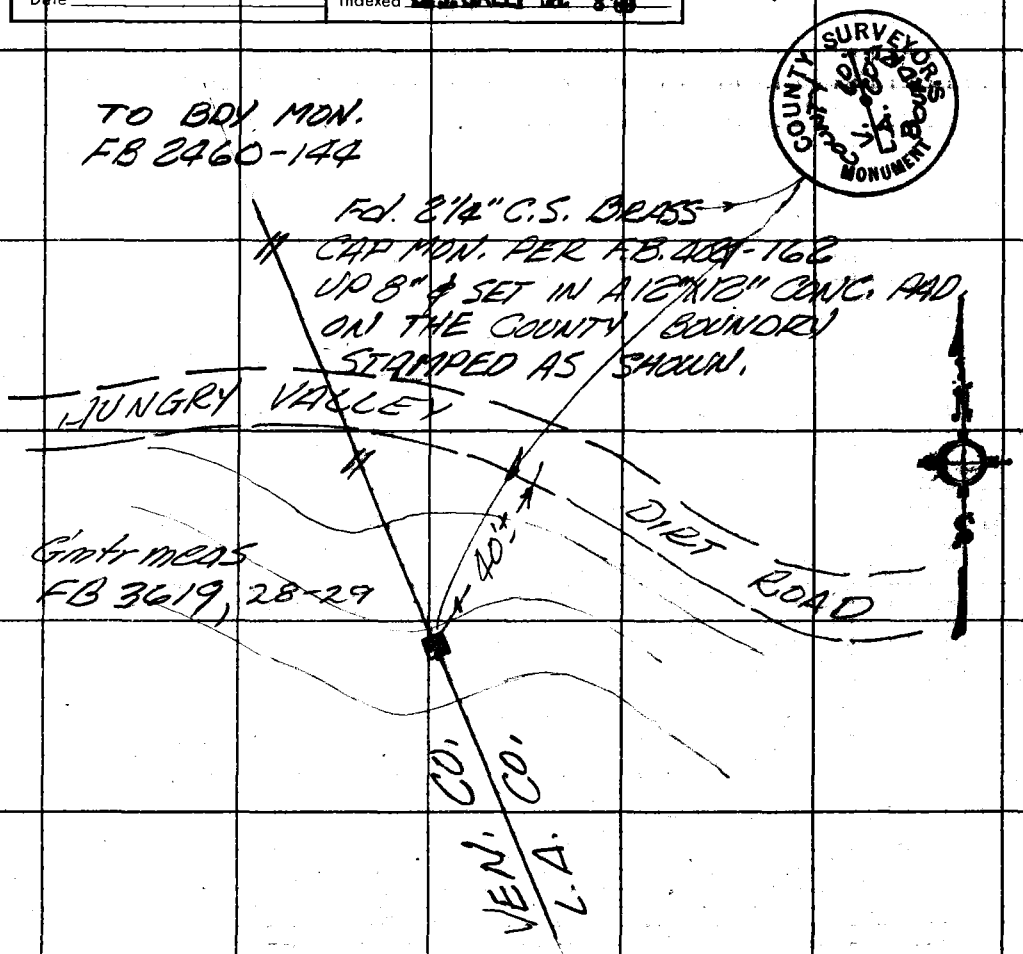
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RW
Checked	Notes RW Date 6-12-69
Date	Indexed C.J. GALLI DEC 8 '69

F. B. 2460 Pg. 143 ✓

FMT N-11A



AREA: This station is located in the NW portion of LA County southwest of Gorman, 1800'± W & 1650'±S of the NE corner of section 15, T8N, R19W, and may be reached by traveling south on Hungry Valley road from its intersection with old Hwy 99 1.15 m The station is 40'± south of the road and marked by a 2" IP 2' east, and projecting 4' above ground.

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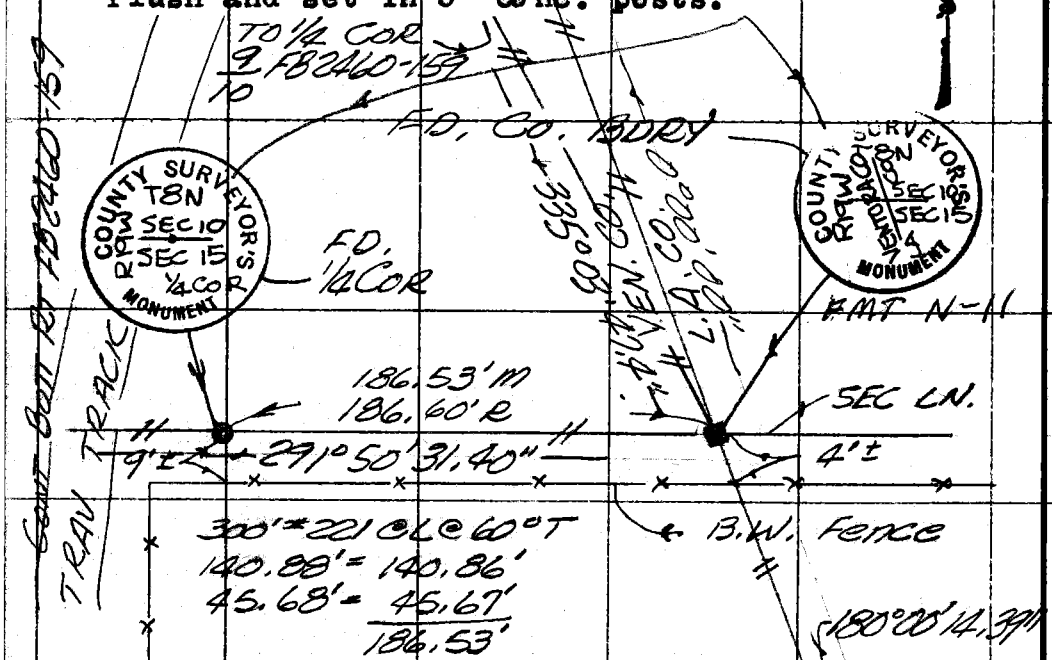
76F309S CE#310 3-68

F. B. 2460 PG. 144 2

FB 2460-145
TO 1992+40.56
1951+74.45 CSB 711-3

Found 2½" County Surveyor brass cap monuments stamped as shown per FB402-237 flush and set in 5" conc. posts.



AREA: These stations are located in the NW portion of LA County, SW of Gorman, on the north line of section 15, T8N, R19W as indicated. They may be reached from the intersection of Hungry Valley road and the intersection of old Hwy 99 as follows: Travel south on Hungry Valley Rd (dirt) 0.25 m to a dirt road on the right(W) and a locked gate (L key) pass thru gate and travel wly 0.6 m to a "Y"; bear lft s'wly 0.15 m to a "Y": bear lft s'ly up hill to fence line: turn lft at fence and follow uphill 200' to the boundry monument.

Gmtr meas FB 3619, 26-33
Dir FBG 1311-25, 28

TO BDY MON
1919+45.63
FB 2460-142

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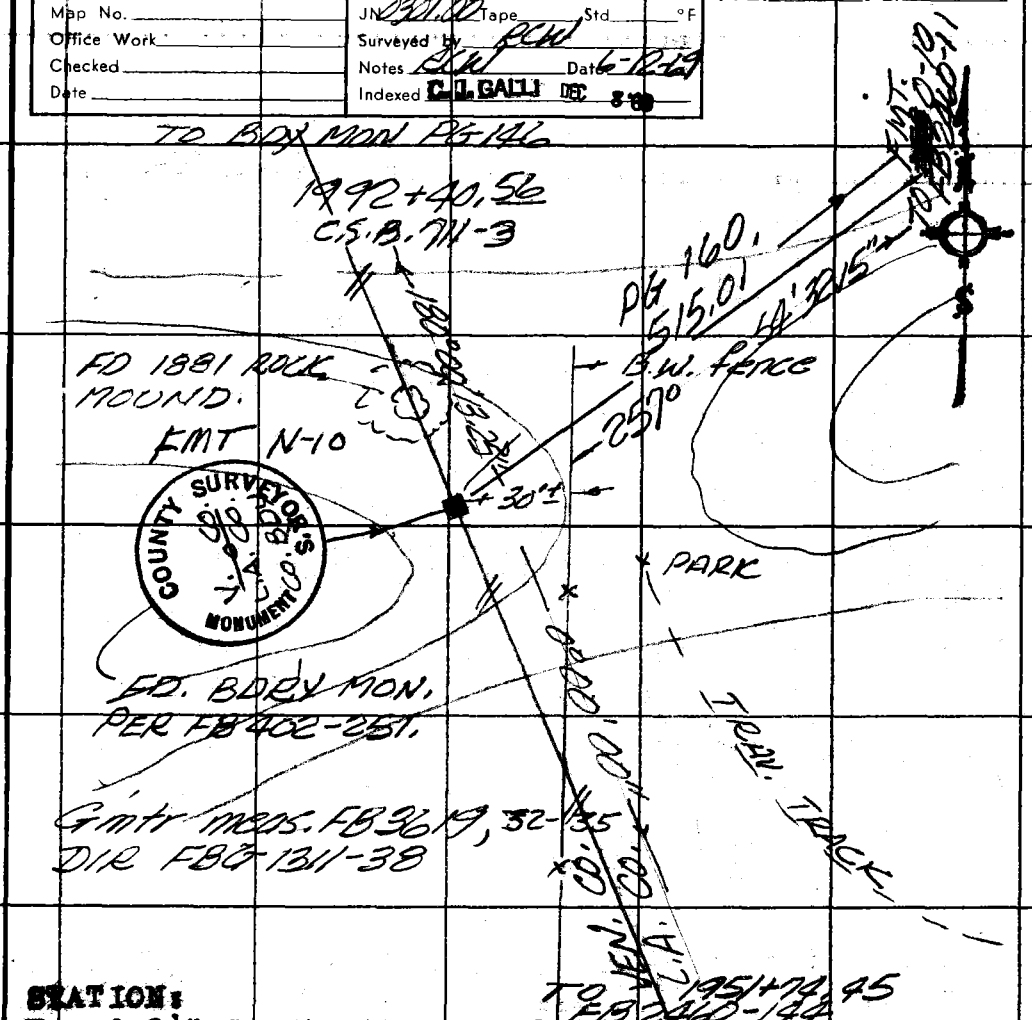
Office Work
Checked
Date

Survey of G.C.-NW COUNTY
JN 0321.00 Tape Std °F
Surveyed by PCW
Notes PCW Date 6-12-69
Indexed C. L. GALLI DEC 8-69

F. B 2460 PG. 145



STATION:
Found 2½" County Surveyor brass cap stamped as shown up 6" and set in a 12"X12" conc. pad.

AREA: This station is located in the NW portion of LA County west of Gorman, 1350'± E and 1600'± S of the NW corner of section 10, T8N, R19W and may be reached from Gorman as follows: Take the old Hwy 99 (south of freeway) and travel 2.2 miles wly and nwly to a gate on the left: pass thru gate and follow traveled tracks around base of hill to the west 0.65 miles to a gate: turn right (nwly) thru gate and follow traveled tracks 0.15 miles to a saddle.

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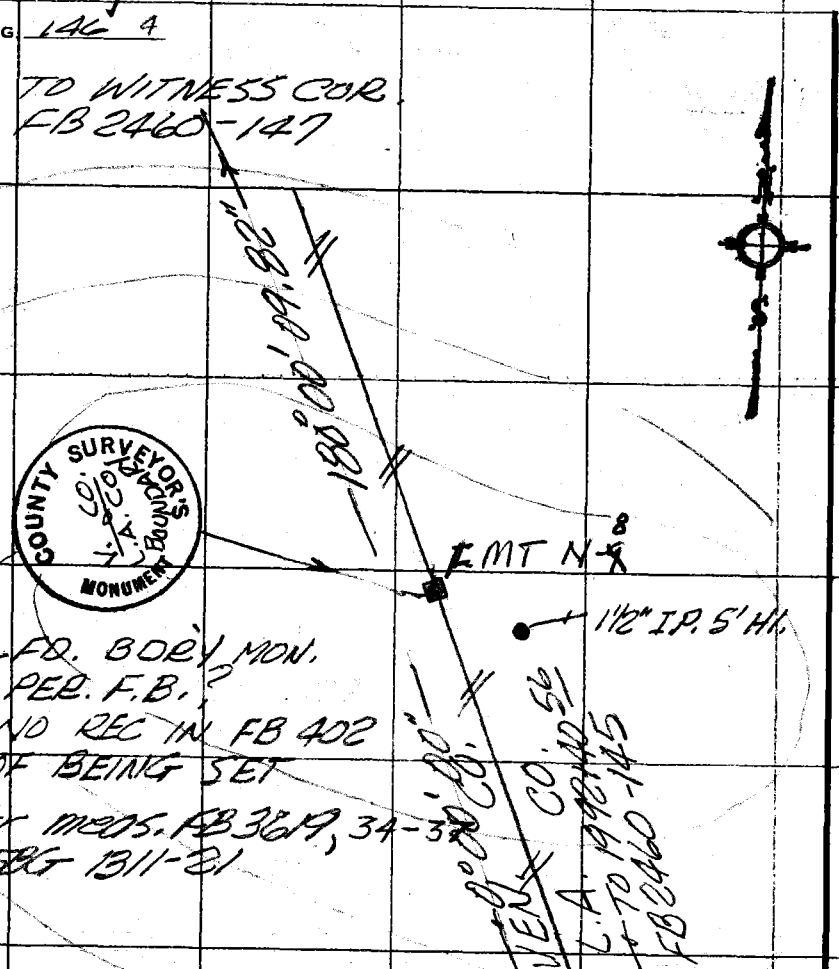
16F3095 CE#310 3-68

F. B. 2460 PG. 146 4



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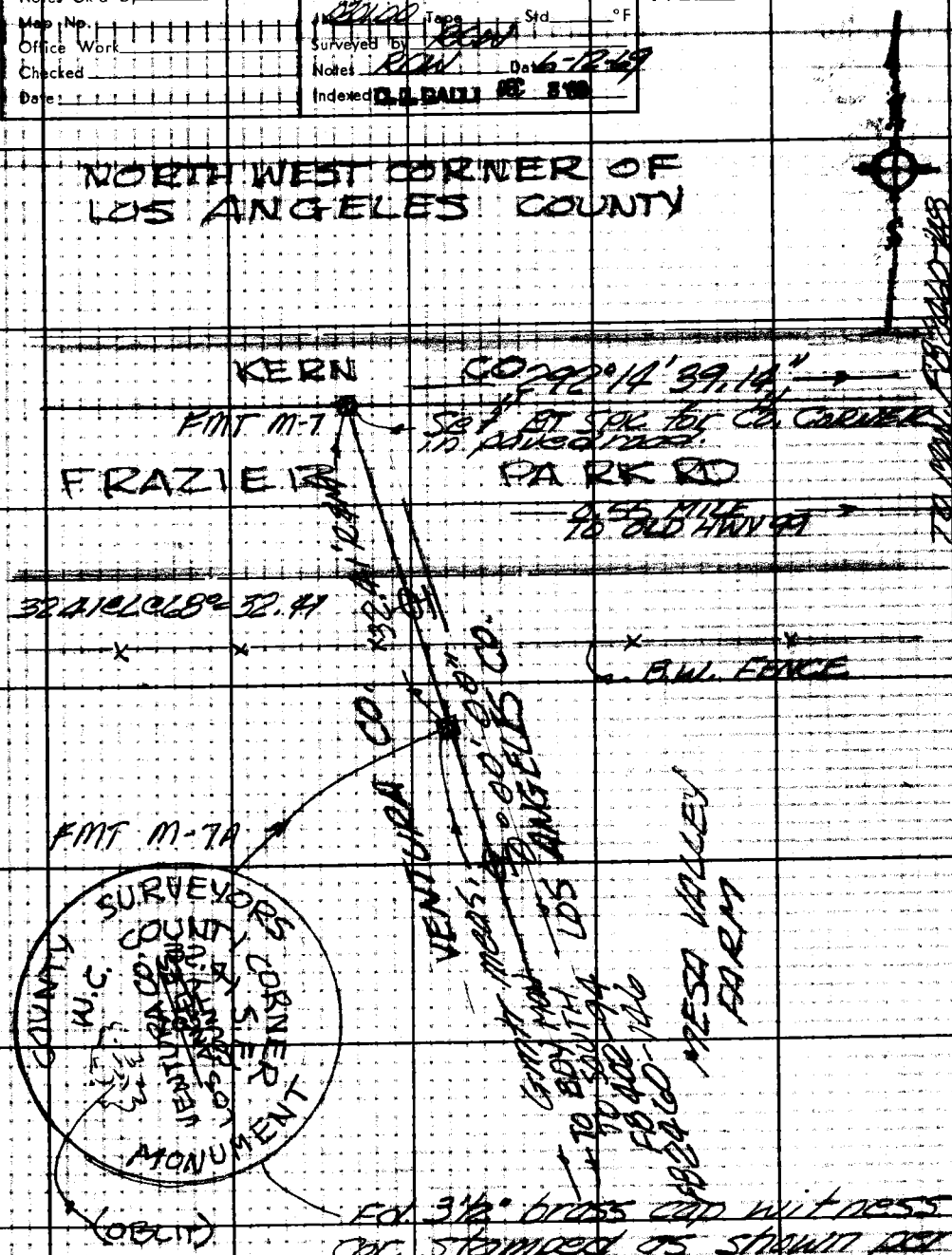
STATION: Found 2½" County Surveyor brass cap mon. stamped as shown on the county boundry line up 5" and set in a 12"X12" conc. pad.

AREA: This station is located in the NW portion of LA County west of Gorman, 150'± W and 2050'± N of the south west corner of section 3, T8N, R19W and may be reached from the intersection of Frazer Park Rd and the old Hwy 99 by traveling south on Hwy 99 0.7 miles to a gate on the right: pass thru gate and travel south 0.1 m to "Y": bear rt and follow dirt road 0.35 m to "Y": bear rt and continue wly 0.1 m to traveled track on the right: bear right and follow TT nly up side hill, then ely along top of ridge to the station.

Notes Ck'd by	Survey of G.C. ~ NW COUNTY	F. B. 2460 PG. 147 S
Map No.	80100 Tape Std °F	
Office Work	Surveyed by RCW	
Checked	Notes RCW Date 6-12-69	
Date	Indexed D.L. DALLI DEC 8 '69	



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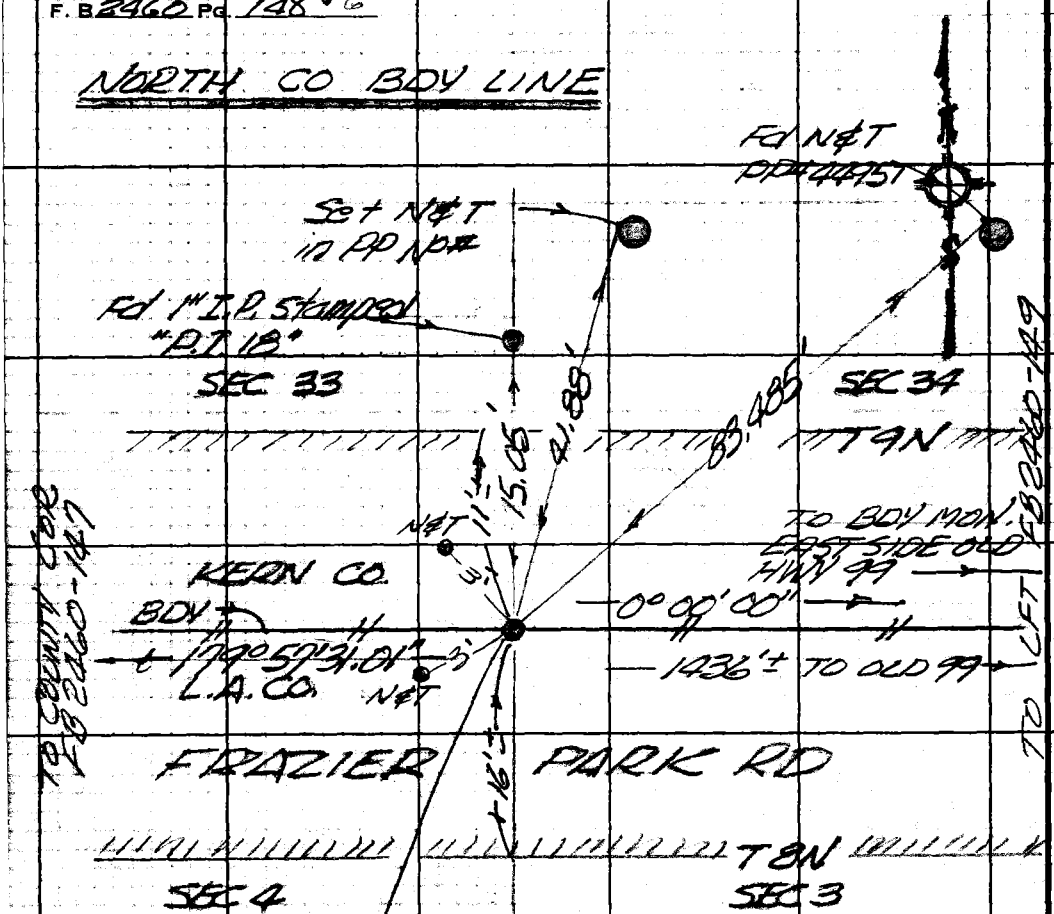
76F309S CE#310 1-65

F. B 2460 Pg. 148 ✓6

NORTH CO BDY LINE



Gmtr meas FB 3619, 38-41
DIR FBG 1311-23

FMT N-7A

Fd 2½" Co. Sur. brass. cap mon. stamped as shown dn 24" & set in a 5" Conc. post. per FB 402-102, at the sec. cor. & on the Co. Bdy line. 1436'± west of the ℄ of old Hwy 99 at its junction with Frazier Park Rd.

COUNTY SURVEYOR'S
T.9N.
R.P.W.
33 | 34
4 | 3
T.8N.
SEC COR
MONUMENT

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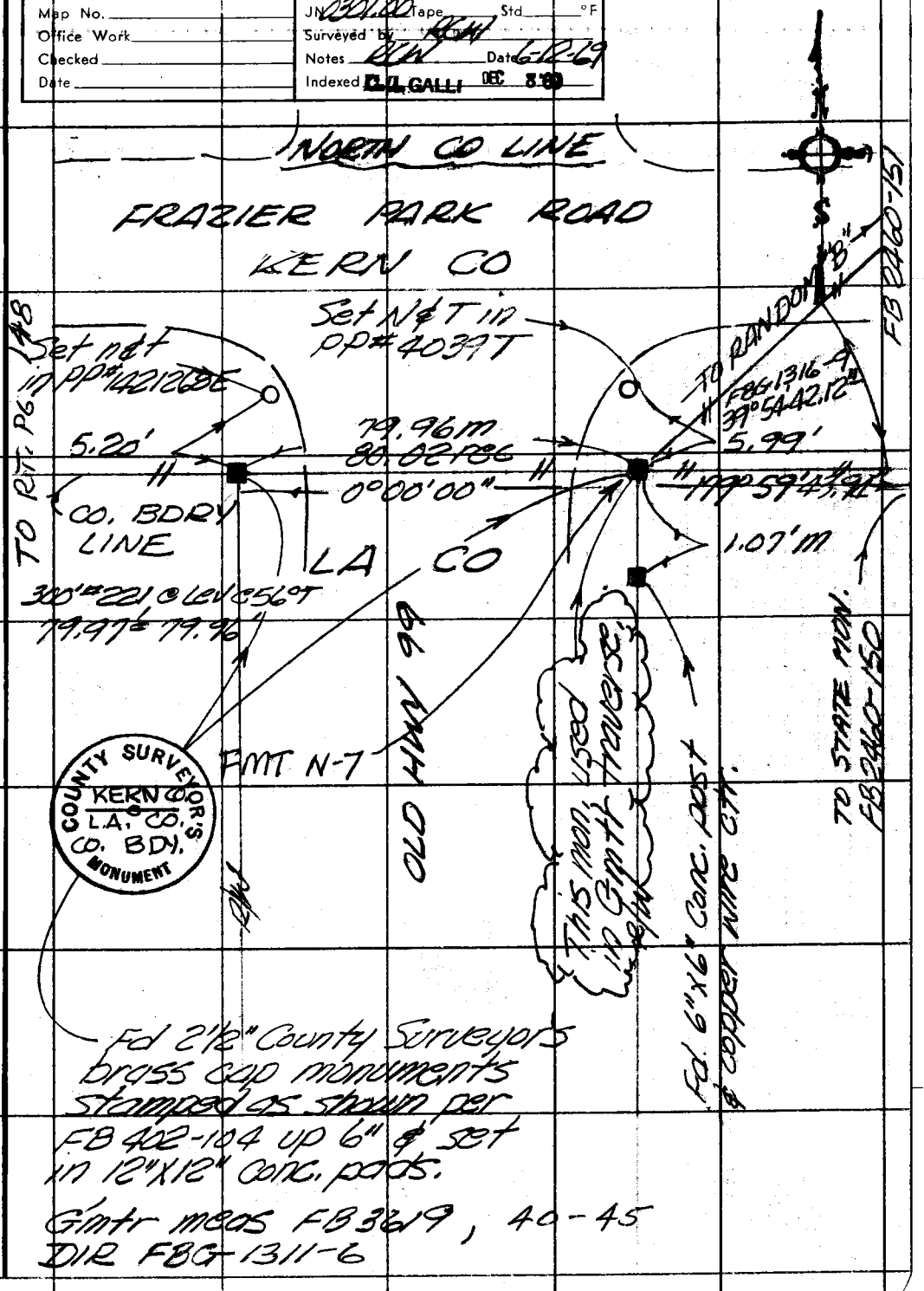
Office Work	Surveyed by RCW
Checked	Notes RCW Date 6-12-69
Date	Indexed C.L. GALLI DEC 8 '69

F. B. 2460 PG. 149 7



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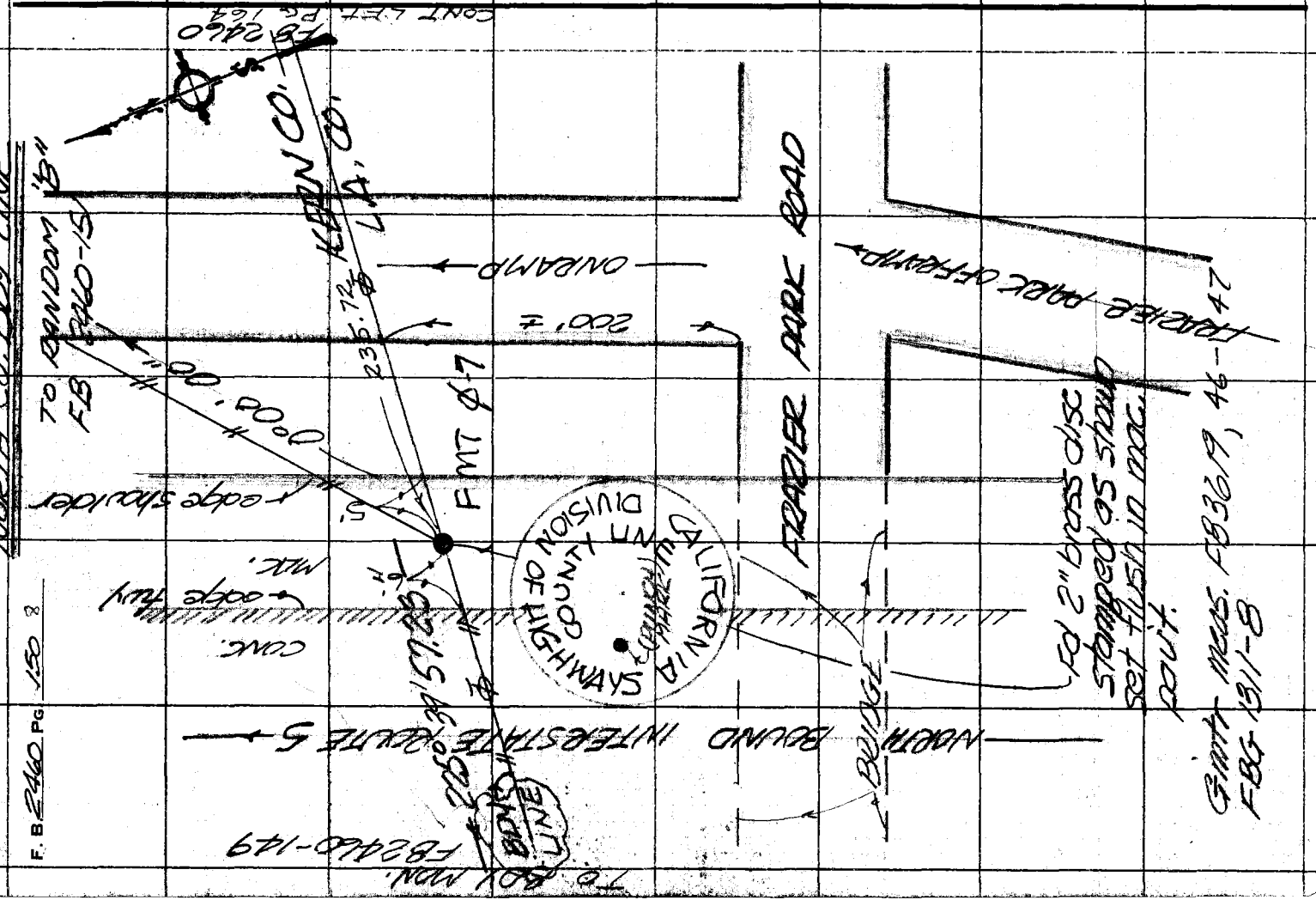

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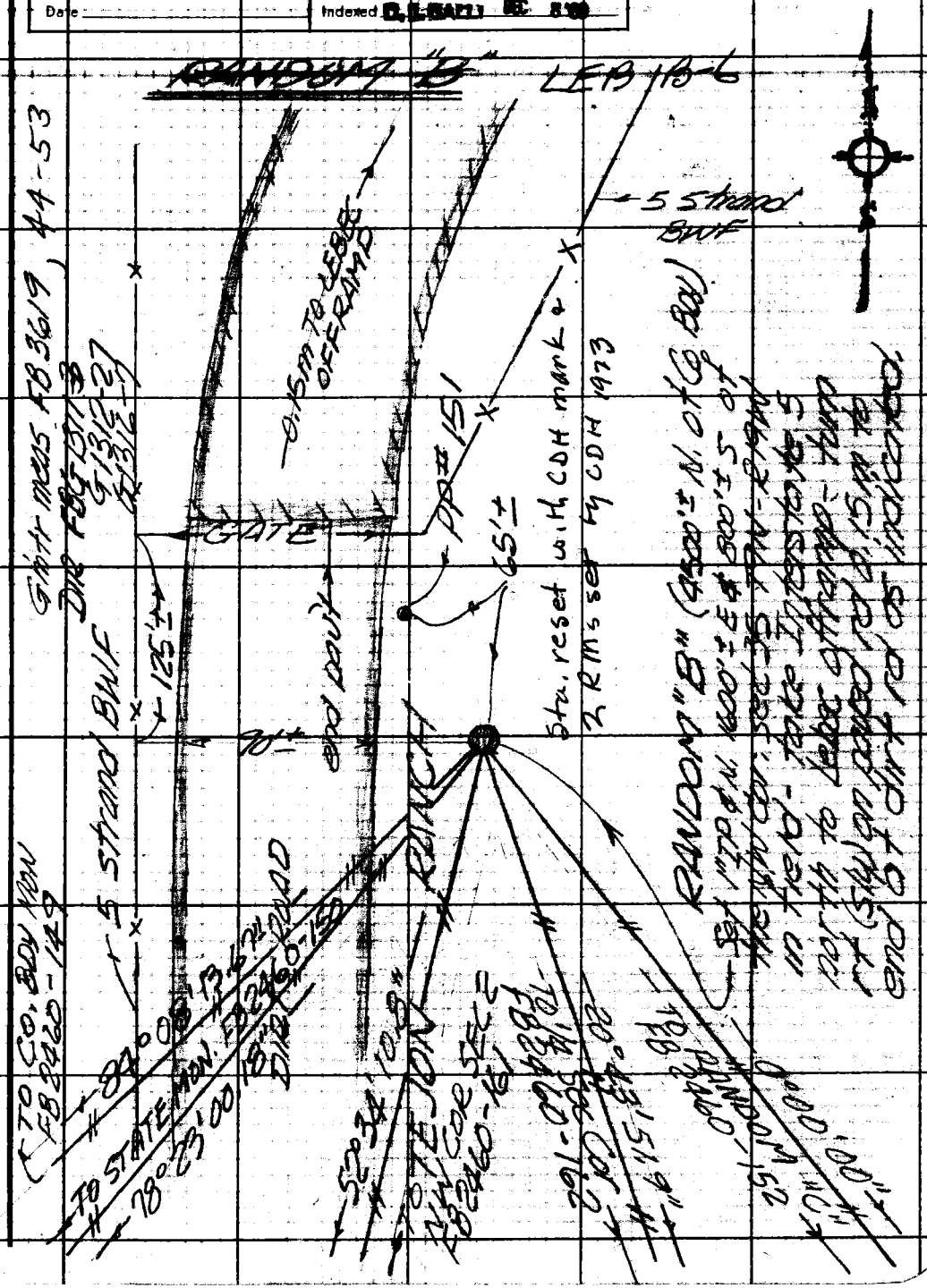
Map No.	JN 0301.00 Tape Std. °F
Office Work	Surveyed by RW
Checked	Notes RW Date 6-17-69
Date	Indexed D. L. HALLI DEC 8 '69

F. B. 2460 PG. 151



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76F309S CE#310 1-65

LEBEC - B-7

F. B 2460 Pg. 152

RANDOM "C"

ROUTE: Take Interstate 5 north to the DEBEC off-ramp: travel north 0.1 mile to the over-ramp and bear right; continue north 0.1 mile to a dirt road on the right (Bear Cyn Rd) turn right (sly) 0.8 miles to "T" intersection with Crain Cyn Rd at a gate: bear right and pass house trailers on the left and continue south 0.6 mile to a "Y": bear right and travel upgrade 0.65 miles to the top of the spur: then north downgrade along the top of the spur on graded road 0.1 miles. The point is 40'± west of the edge of the road.

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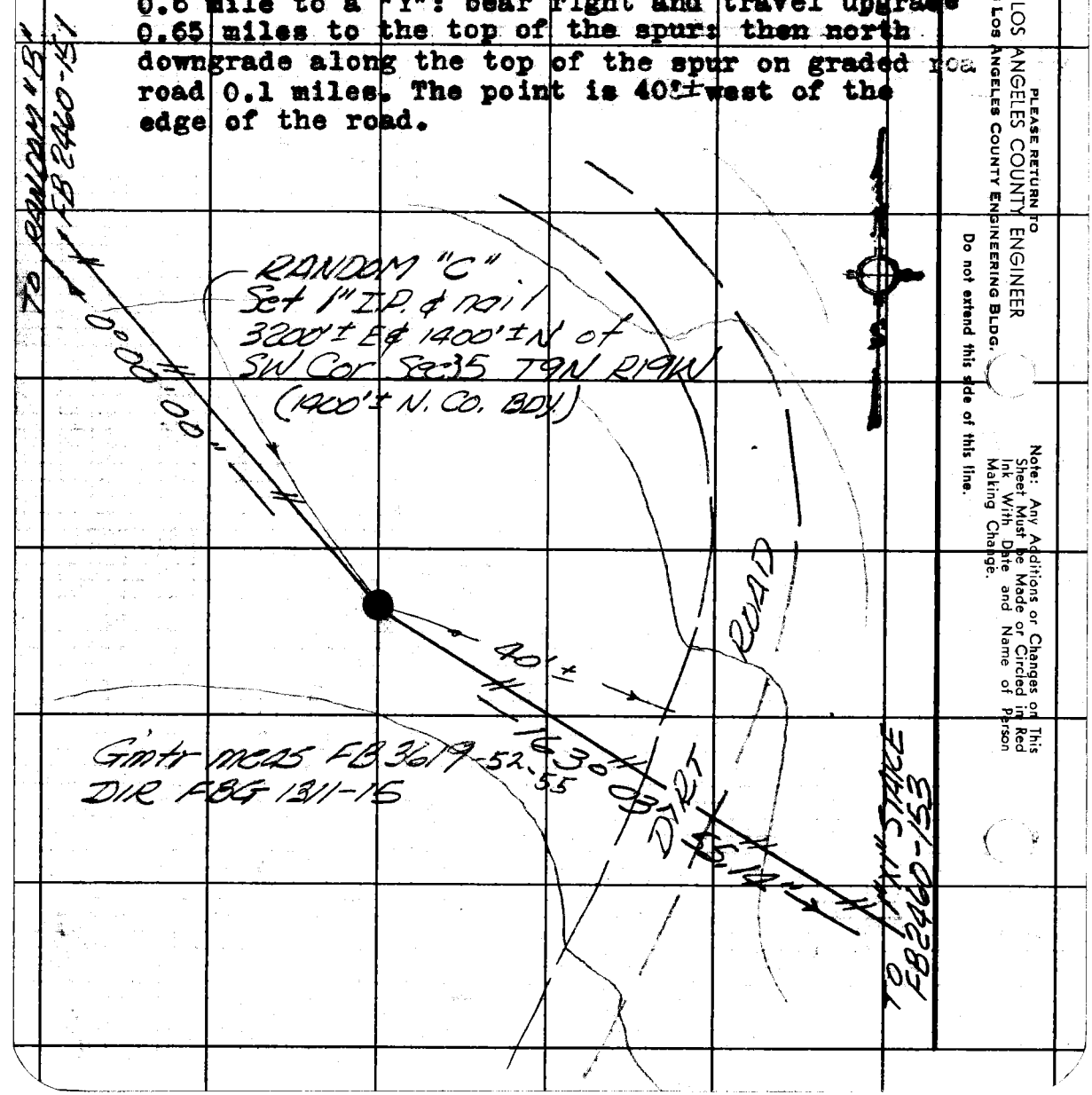


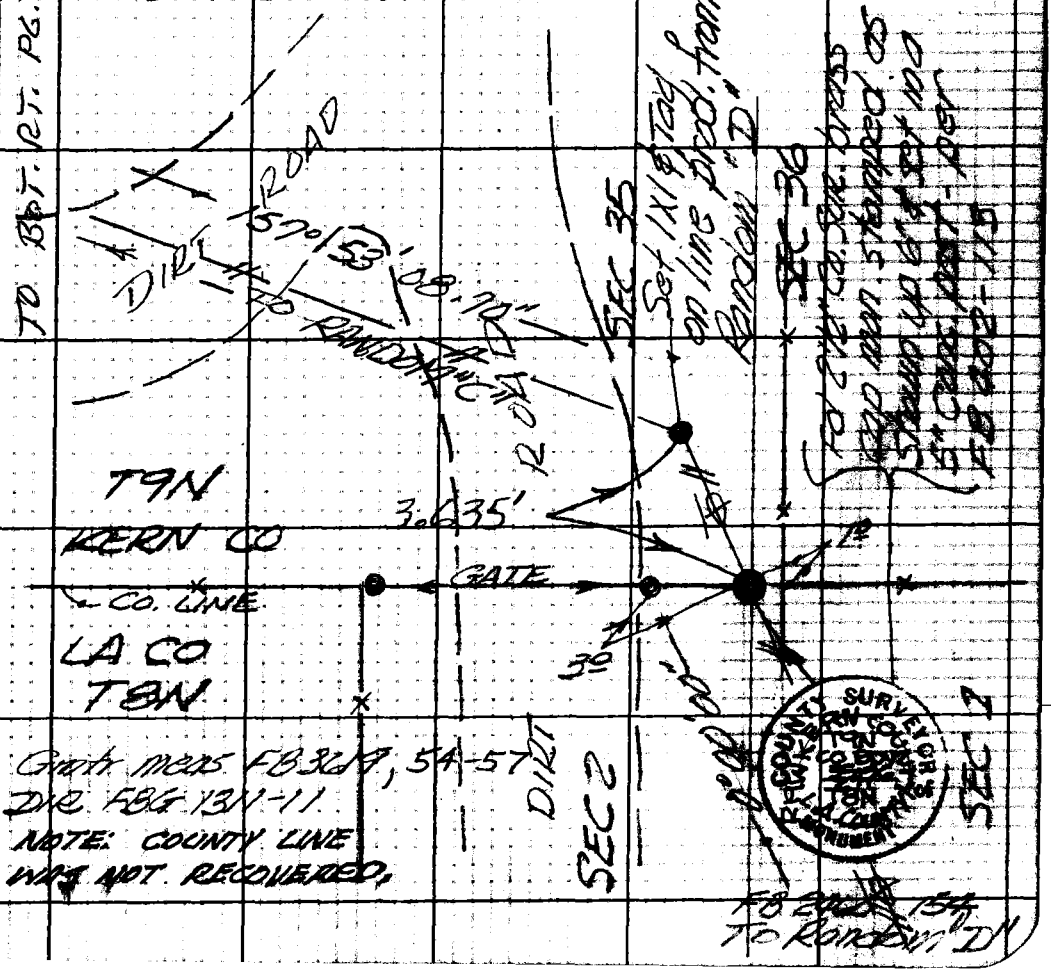
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of NW County
0301.00
Type Std. °F
Surveyed by RCW
Notes RCW 6/18/69
Indexed DEC 8'69

F. B. 2460 PG. 153

NORTH COUNTY BOUNDRY LINE
NW CORNER SECTION 1 T4N R19W

ROUTE: Take Interstate 5 north to the Lebec off-ramp: travel north 0.1 mile to the over-ramp and bear right: continue north 0.1 miles to a dirt road on the right (Bear Cyn) turn right and travel sly 0.8 miles to a "T" intersection with Grain Cyn Rd at a gate: bear right and pass house trailers on the left and continue south 0.6 miles to a "Y": keep straight 300' to a fence line on the County line. The section corner is to the left of the gate opening, and next to a fence post.



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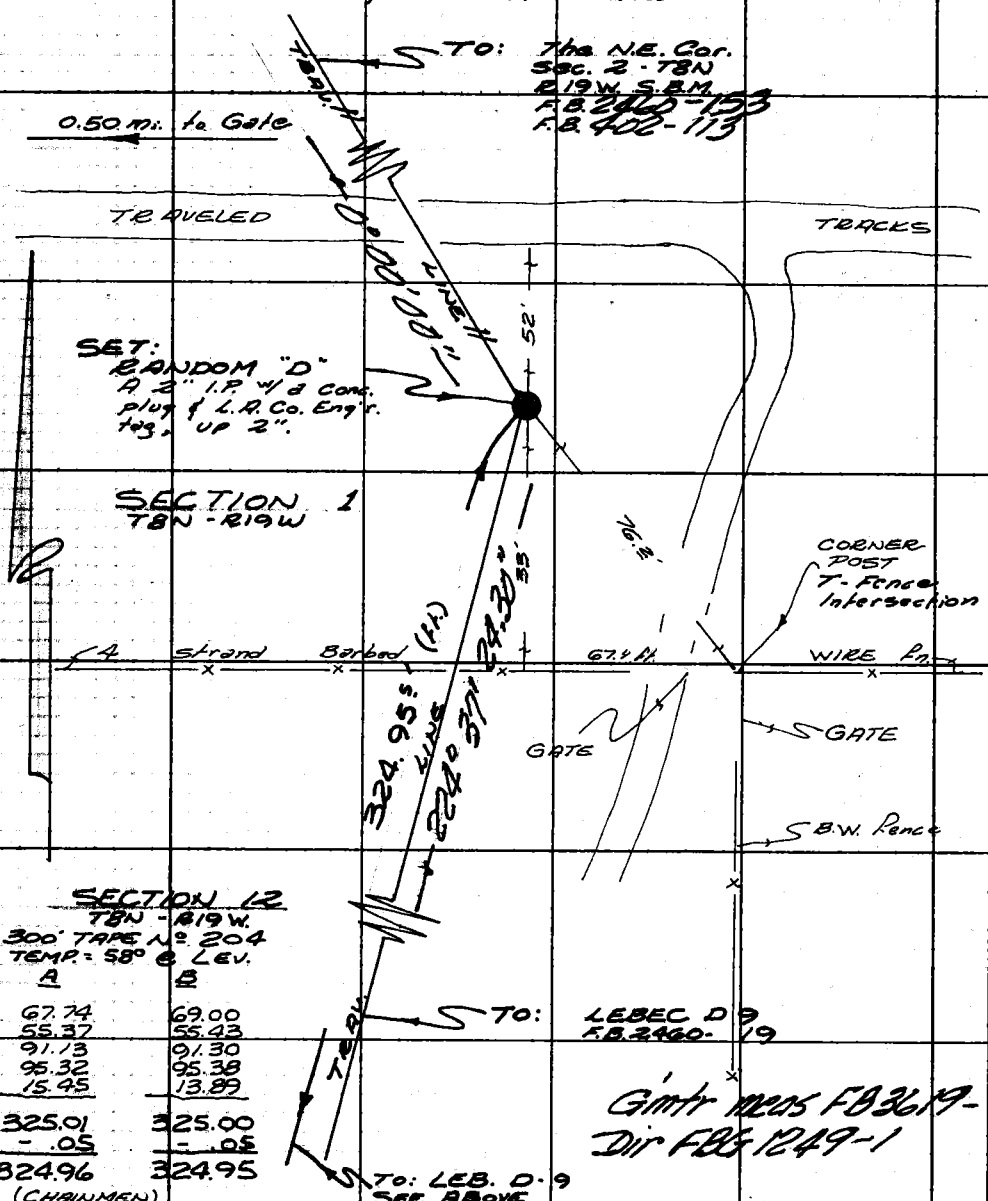
74F309S CE#310 1-65

RANDOM "D"

F. B. 2460 Pg. 154

Los Angeles County

ROUTE: From the FRAZIER PARK offramp on Northbound Golden State Frw., travel W'ly. on Frazier Park Rd. 0.20 mi. to old U.S. 99, turn left (South'ly) and drive 1.2 mi. to an over-pass (over Golden State Frw.), pass over the Frw. turn right and through a gate (open), continue parallel to Frw 0.25 mi., br. left and up-grade, 0.05 mi. to a "Y", br. left and continue up-grade 2.4 mi. to U.S. Gov't. VORTOG Site. Br. right on South side of VORTOG and follow traveled tracks Eastly along top of ridge, to a gate, in a barbed wire fn. About 500' ft. North of the S.E. Cor. of Sec. 2-T8N-R19W.-S.B.M., pass thru. gate & continue East'ly 0.5 mi., to a point 85' t North of a T fence intersection, as indicated below.



SECTION 12
T8N-R19W.
300' TAPE No. 204
TEMP. = 58° @ LEV.

A	B
67.74	69.00
55.37	55.43
91.13	91.30
95.32	95.38
15.45	13.89
325.01	325.00
- .05	- .05
324.96	324.95

(CHAINMEN)
BARNETT & SCHERB

G'mtr meas FB 3619-56
Dir FBG 1249-1

F.B. 2460-19

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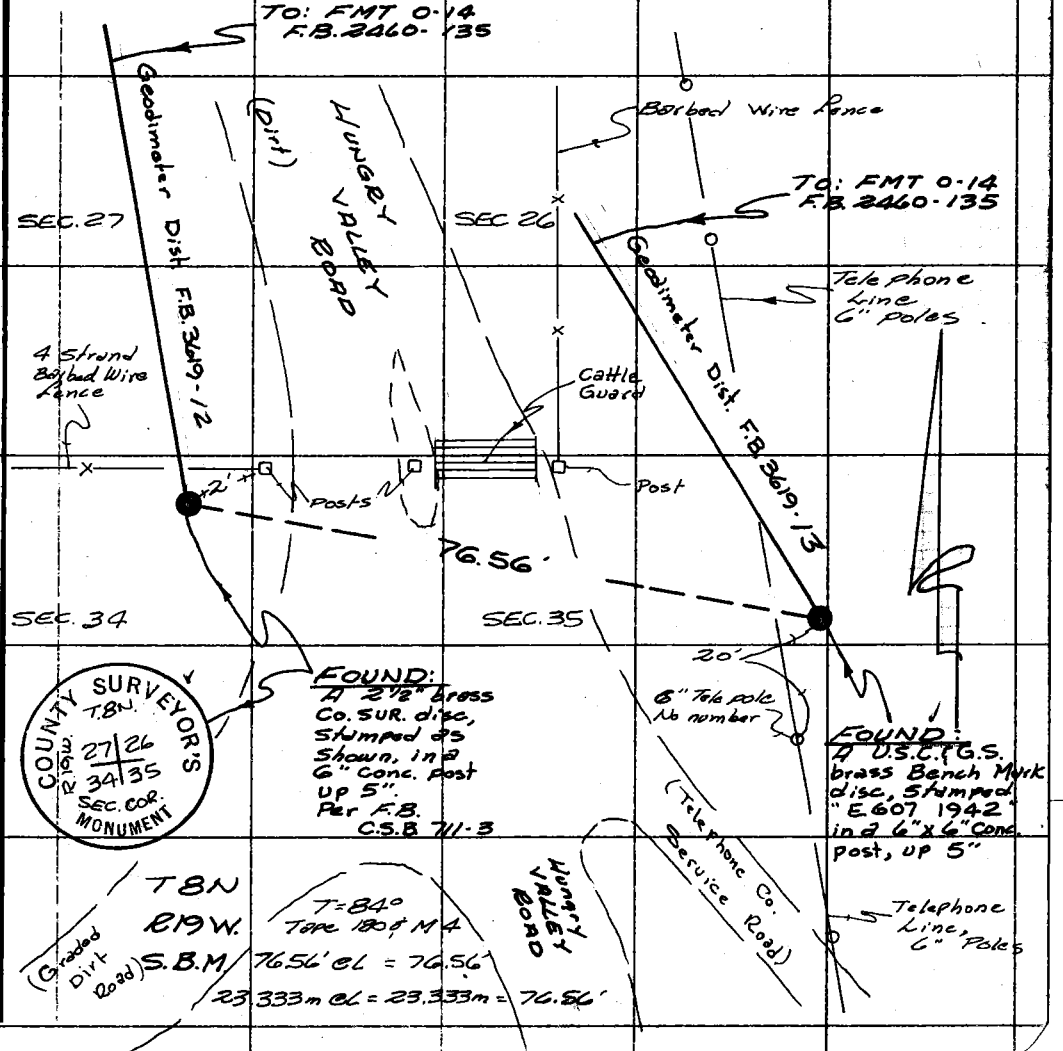
Map No.	JN 0301.00 Tape — Std — °F	
Office Work	Surveyed by J. G. Randall	
Checked	Notes JGR Date Aug-69	
Date	Indexed C. J. SALES DEC 8 '69	

SECTION CORNER & BENCH MARK

ROUTE: From the intersection of Hungry Valley Road w/ Old Hwy. 99 (Peace Valley Rd.) 1 mile West of Gorman, travel South'ly on Hungry Valley Road 3.8 mi. to a point where the road splits, one side through an opening in a E.-W. fence line the other over a cattle guard in the same E.-W. fence line. The Section Cor. is on the right & the B.M. on the left.



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

Do not extend this side of this line.

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

76F309S CE#310 3-68

F. B. 2460 PG. 156

SECTION CORNER

ROUTE: From the intersection of Hungry Valley Rd. w/ old Hwy 99 (~~Reese~~ Peace Valley Road) 1 mile West of Gorman Travel South'ly on Hungry Valley Rd. 2.8 mi. to a Cross Fence (E. & W.), pass through Fence line and turn left on dirt road, travel parallel to Fence (East'ly) 0.25 mi., crossing under telephone lines, to the west'ly bank of a dry wash. Park here and HIKE, parallel to the Fence, East'ly 500'± to the SECTION CORNER.

The N.E. Cor. of Sec. 27 - T8N - R19W S.B.M.

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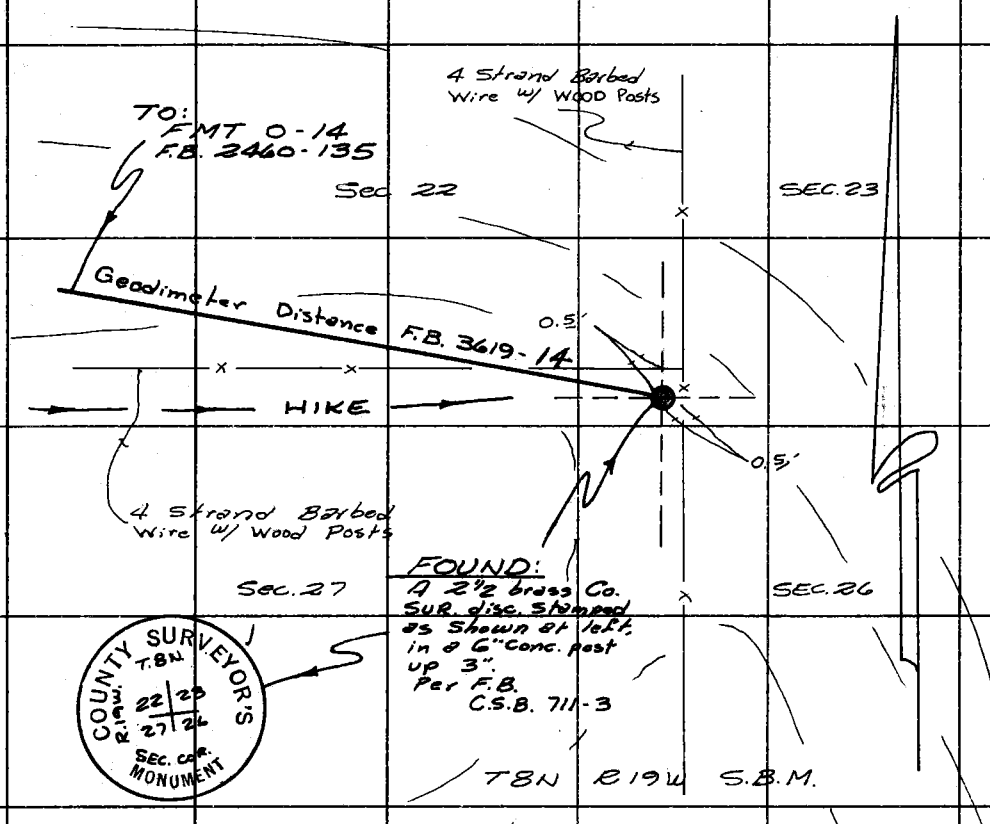
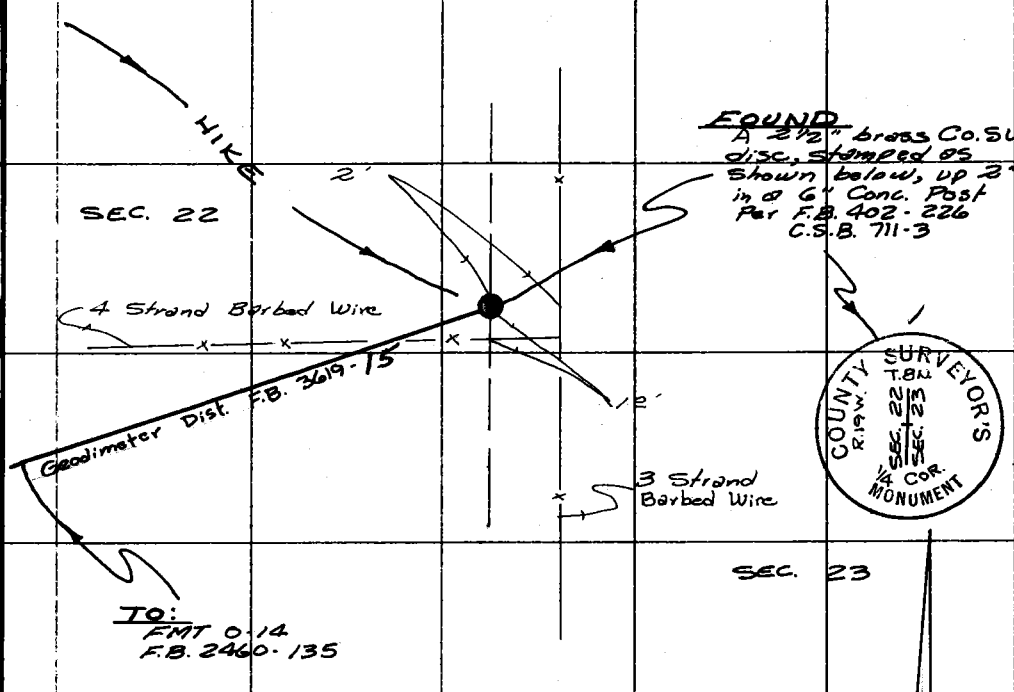


Notes Ck'd by	Survey of N.W. L.A. Co.	F. B. 2460 PG. 157
Map No.	JN 0301.00 Tape — Std — °F	
Office Work	Surveyed by J.G. Randall	
Checked	Notes JGR Date Aug-69	
Date	Indexed C.L. BALLI DEC 8 '69	

ONE QUARTER SECTION CORNER

ROUTE: From the intersection of Hungry Valley Road w/ old Hwy 99 (Peace Valley Rd.), 1 mile west of Gorman, travel South'ly on Hungry Valley Rd. 2.4 mi. to a cross fence. Turn left (East), on a dirt road, north of the fence line, and travel Eastly 0.1 mi. and cross dry wash, Continue 0.1 mi., around sharp turn to the left. Park here the corner is 300' ± S.E.'ly at a "T" fence intersection. About 30' in elevation higher than the road.



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 3-68

F. B. 2460 PG 158

WEST COUNTY BOUNDRY LINE # SECTION LINE INTERSECTION

SET A 1X2 Stk. ℄ N. on line prod. for measurement only

FOUND:

A 2½" Co. Sur. brass disc stamped as shown, in a 6" Conc. Post, up 2". Per F.B. 402-161-240 C.S.B. 711-3

41.02'

186.74' M

145.72 calc.

SET: 1X2 Stk. ℄ N. (wiggle Point)

Wire

0.5'

N 2

297.98'

152.26' M

Edge of Road

℄

L. A. VEN.

HIKE

1889+99.95'

FOUND A 2½" Co. Sur. brass disc, stamped as shown below, in a 6" Conc. Post up 3" Per F.B. 402-225 C.S.B. 711-3

1.2'

SEC. 22 T8N R19W SBM.

Edge of Road

157° - 40' - 00"

180.27' Co.

Co.

Geodimeter Dist. F.B. 3219. 18

TO: RANDOM A F.B. 2460-141

COUNTY SURVEYOR'S MONUMENT T.8N. R.19W. SEC. 22 SEC. 23

COUNTY SURVEYOR'S MONUMENT 15 | 14 22 | 23 T8N R19W

ROUTE: From Hungry Valley Road at Old Hwy 99 (Peace Valley Road) 1 mile West of Gorman. Travel South'ly on Hungry Valley Rd. 2.3 mi., turn left on (E) on traveled tracks across an open field, and follow along a dry creek bed (North side) 0.2 mi., cross the creek bed, and continue (East'ly) 0.15 mi. to the base of a small ridge. Turn right and continue (S.E'ly) up ridge to a cross fence. Park & Hike East to Sta. (Sec. line Int.)

1) 157-40-00
4) 270-40-00
6) 226-00-00
AV) 157-40-00

MEASUREMENTS
TAPE Nº 175 TEMP. = 80°

41.015 @ Lev. = 41.015'
152.26 @ Lev. = 152.26'

187.40' @ 4°-47' = 186.75
187.23' @ 4°-08' = 186.74

SEC. 23 mean = 186.75
0.01
186.74'

180.58' @ 3°-19' = 180.28
180.66' @ 3°-42' = 180.28

mean = 180.28
0.01
180.27

152.26
+ 186.74
339.00
- 41.02
297.98

FOUND: Co. Bdy. Mon. See F.B. 2460-140

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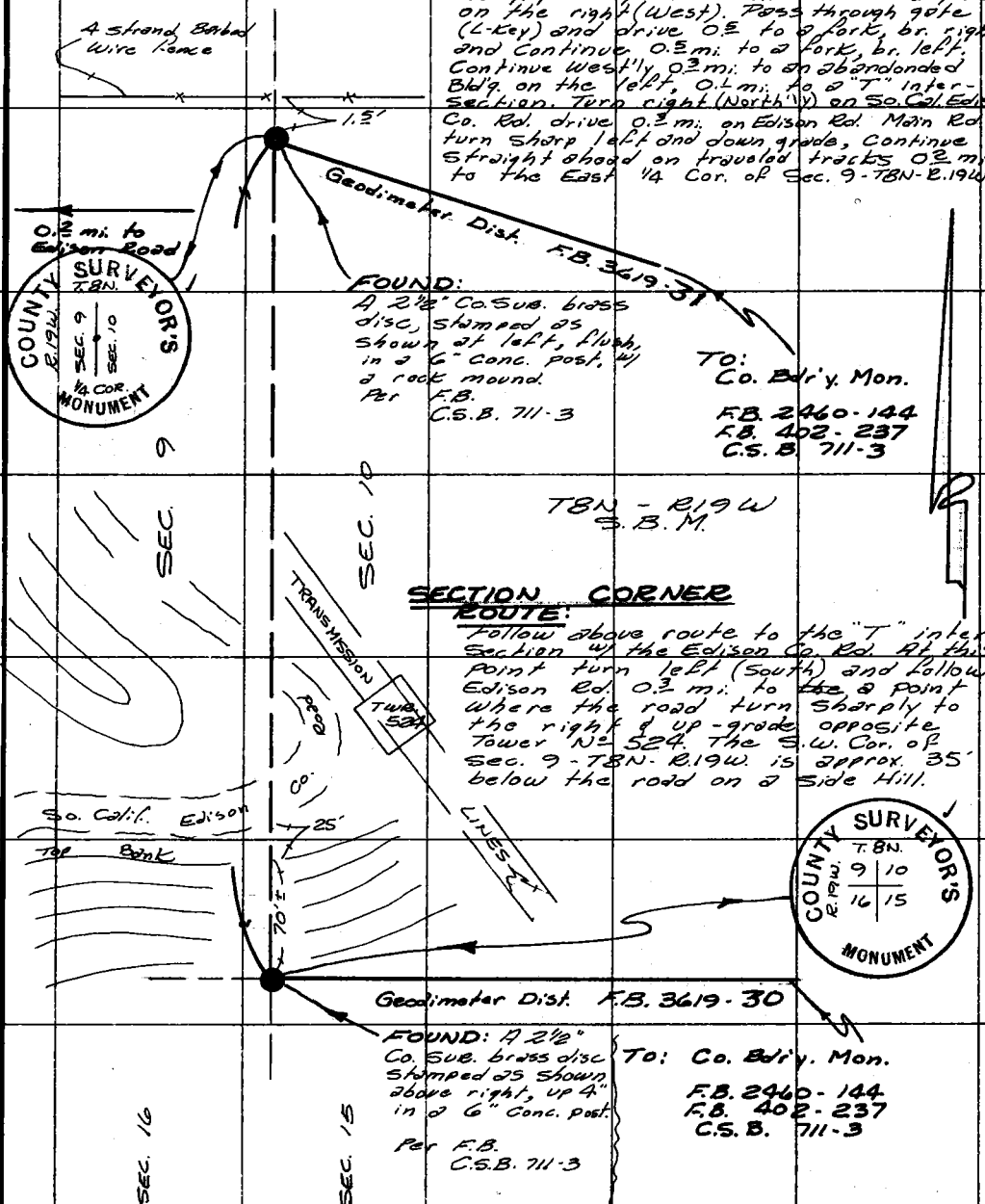
Notes Ck'd by	Survey of A.L.W. L.A.Co.
Map No.	JN0301.00 Tape — Std — °F
Office Work	Surveyed by Randall
Checked	Notes JGR Date Aug.-69
Date	Indexed DEC 8 '69

F. B. 2460 PG. 159

ONE QUARTER SECTION CORNER

ROUTE: From the intersection of Hungry Valley Rd. w/ old Hwy. 99, 1 mile West of Gorman, travel Southerly on Hungry Valley Rd. 0.2 mi. to a locked gate on the right (West). Pass through gate (L-key) and drive 0.2 to a fork, br. right and continue 0.5 mi. to a fork, br. left. Continue Westerly 0.2 mi. to an abandoned Bldg. on the left, 0.1 mi. to a "T" intersection. Turn right (Northerly) on So. Cal. Edison Co. Rd. drive 0.2 mi. on Edison Rd. Main Rd turn sharp left and down grade, continue straight ahead on traveled tracks 0.2 mi. to the East 1/4 Cor. of Sec. 9 - T8N - R.19W.



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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16F3095 C.E.#310 3-68

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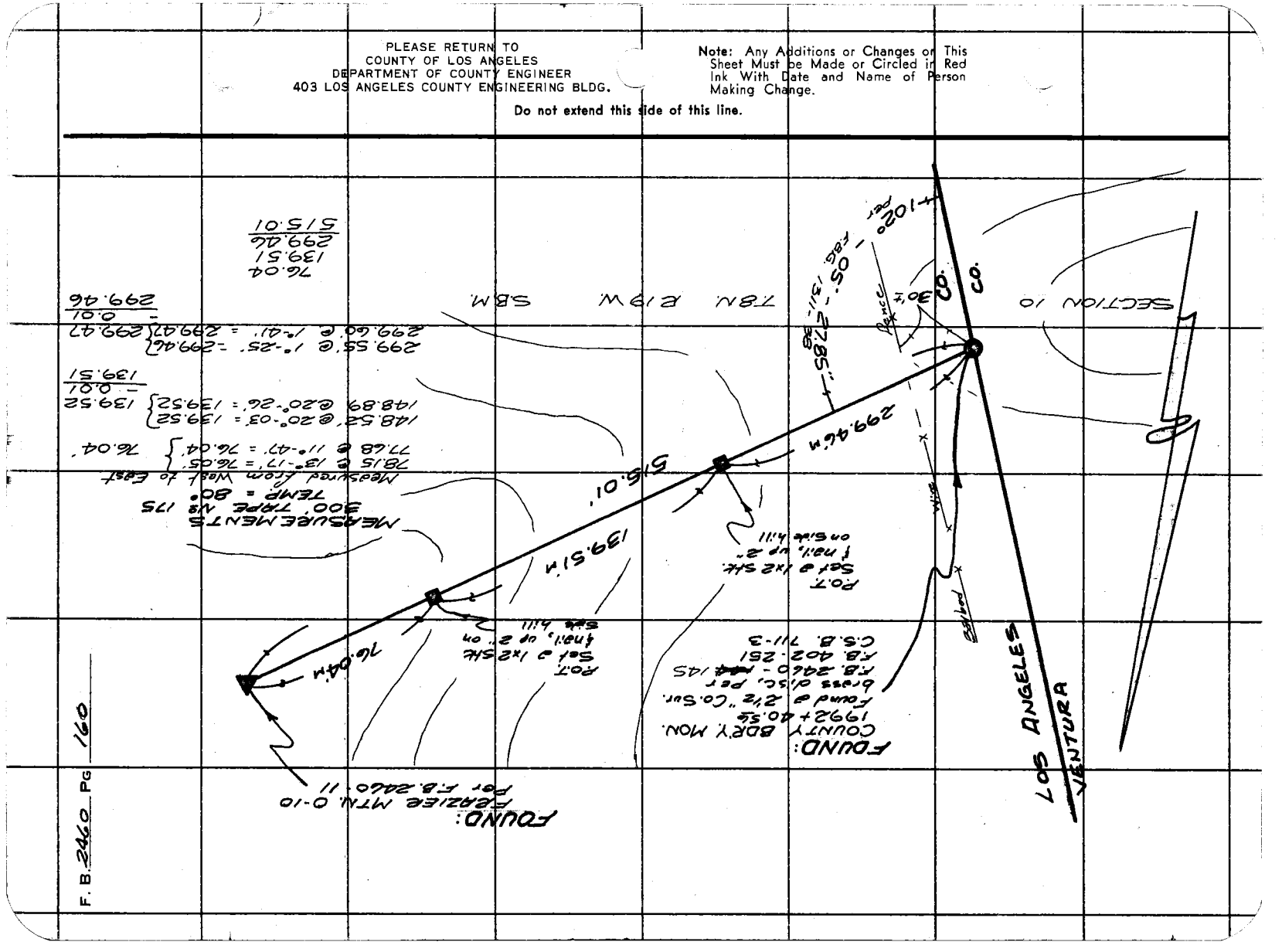
Do not extend this side of this line.



F. B. 2460 PG 160

GEODETIC CONTROL

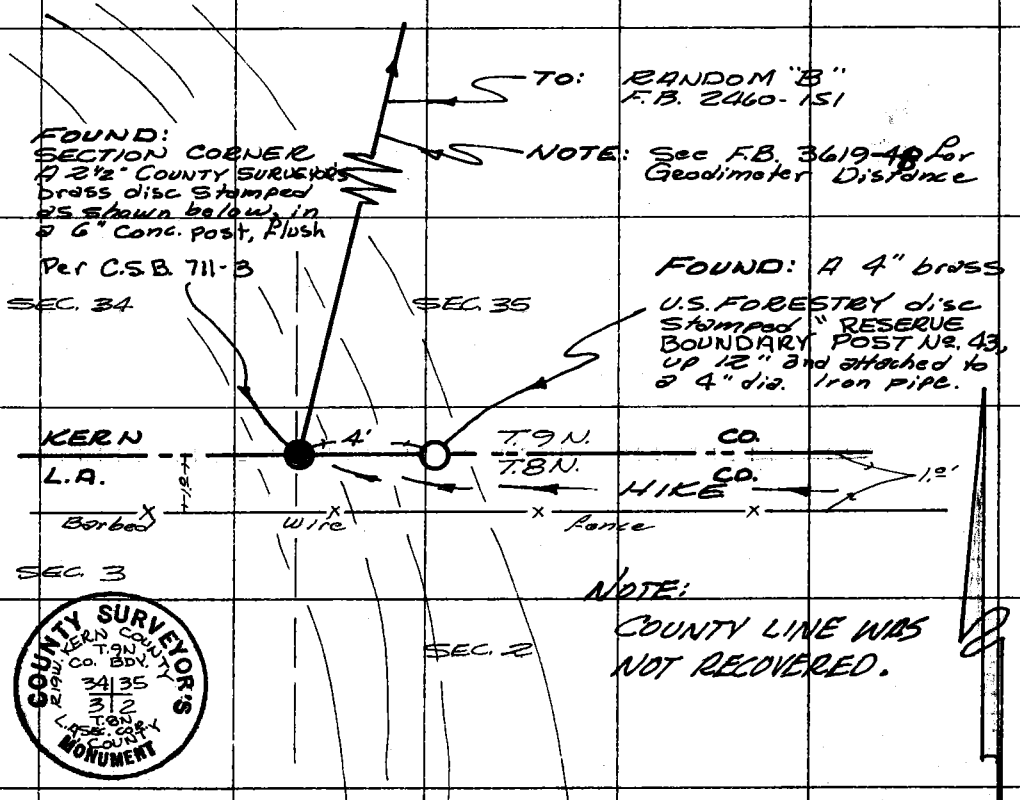
Notes Ck'd by	Survey of N.W.L.A. Co.
Map No.	JN 0301.00 Tape — Std — °F
Office Work	Surveyed by Wilson / Randall
Checked	Notes JGR Date Sep '69
Date	Indexed C. J. GAULT DEC 8 '69

F. B. 2460 PG. 161

SECTION CORNER

NORTH COUNTY LINE

ROUTE: Traveling North on Interstate 5, North of Gorman, turn off on Frazier Park Road off. ramp, br. right and onto frontage road on East'ly side of freeway. Turn left (North) on frontage road and continue to end of pavement, pass through an opening in the fence. Travel North'ly 0.4 mi. on Telephone Co. Road to a stream bank. Turn right and drive along E. bank of stream bank 0.3 mi. Turn right and follow traveled Tracks 0.2 mi., Br. right and follow tire tracks 0.3 mi. up right hand draw to barbed wire fence. Park here and hike West'ly approx. 150' (climb about 75' in Elev.) to the Section Corner.



NOTE: COUNTY LINE WAS NOT RECOVERED.

Note: Any Additions 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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403 LOS ANGELES COUNTY ENGINEERING BLDG.

74F3095 CE#310 3-68

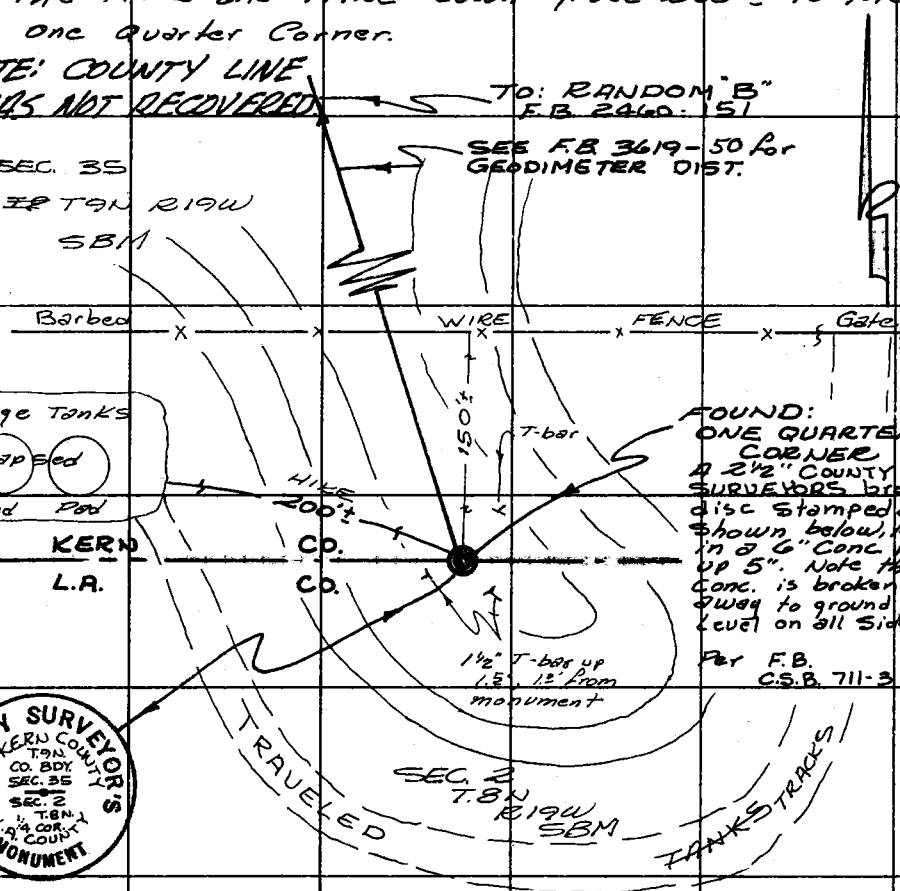
F. B. 2460 PG. 162

ONE QUARTER SECTION COR.
NORTH COUNTY BDRY. LINE

ROUTE:

North bound on Interstate 5, near Lebec, take the Lebec off ramp and travel North 0.1 mi. to the over-ramp and Br. right, Continue North 0.4 mi. to a dirt road on the right. (Bear Canyon Rd.), turn right (S'ly) and drive 0.8 mi. to a "T" intersection with Crain Cyn. Rd. at a gate, br. right and pass house trailers on the left and continue Southerly 0.6 mi. to a "Y", Br. right and travel upgrade 0.65 mi. to the top of the spur. Continue S'W'ly on dirt road 0.3 mi. to a barbed wire fence & gate, pass through gate and drive 400' ± to top of ~~spur~~ ridge. Br. right (W) down grade on Spur to collapsed Storage tanks. Park the truck and HIKE down grade 200' ± to the one quarter Corner.

NOTE: COUNTY LINE WAS NOT RECOVERED



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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.

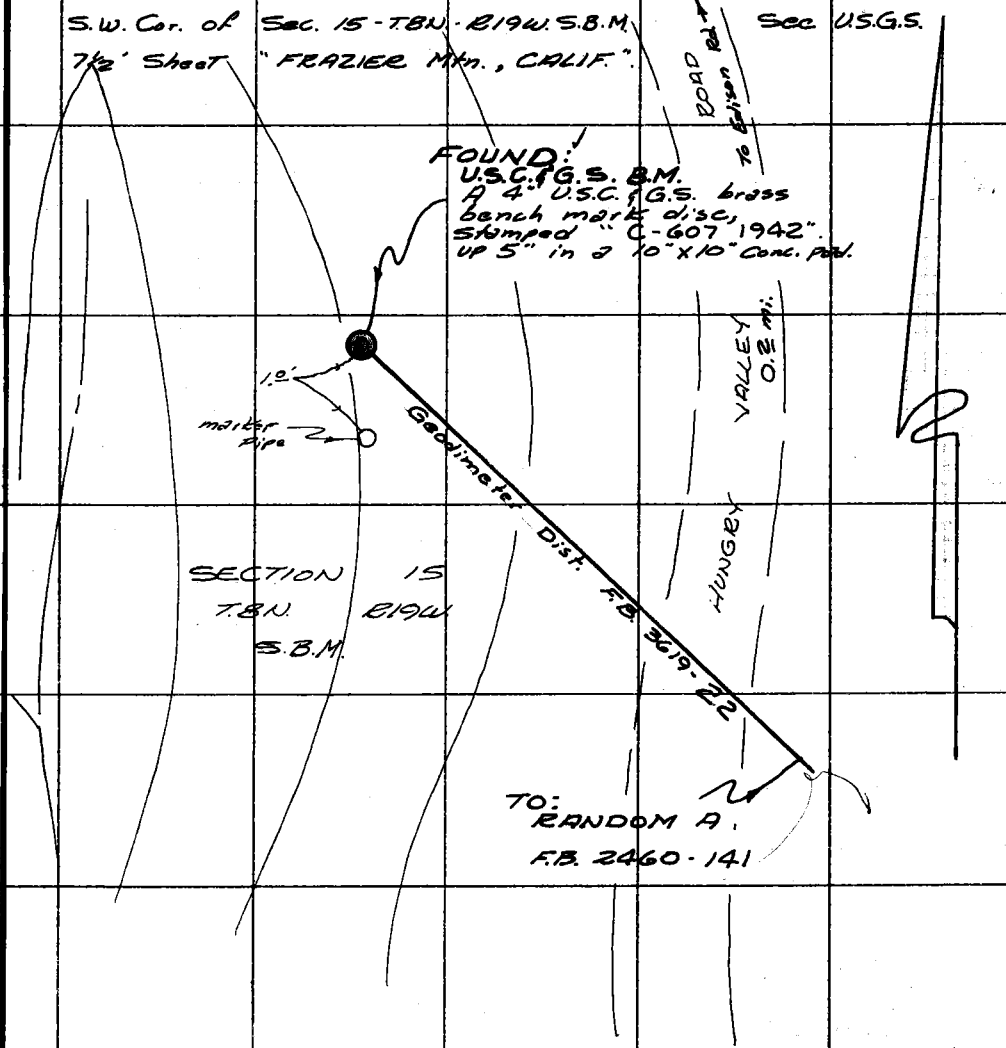
Notes Ck'd by	Survey of N.W. L.A. Co.
Map No.	JN 0301.00 Tape — Std — °F
Office Work	Surveyed by Randall
Checked	Notes JGR Date Aug.-69
Date	Indexed C. T. GAITY DEC 5 '69

F. B 2460 PG. 163

U.S.C.&G.S. BENCH MARK

ROUTE:

From the intersection of Hungry Valley Rd. W/ old Hwy. 99, 1 mile West of Gorman, travel south'ly on Hungry Valley Road passing an intersection with So. Cal. Edison Co Road (Tower line running E.&W.) @ 1.8 mi. Continue South'ly 0.2 mi. on Hungry Valley Road to the B.M. on the right (west) of the road. 2975'± N & 1100'± W. of the S.W. Cor. of Sec. 15 - T8N - R19W. S.B.M. See U.S.G.S. 7½' Sheet "FRAZIER Mtn., CALIF.".



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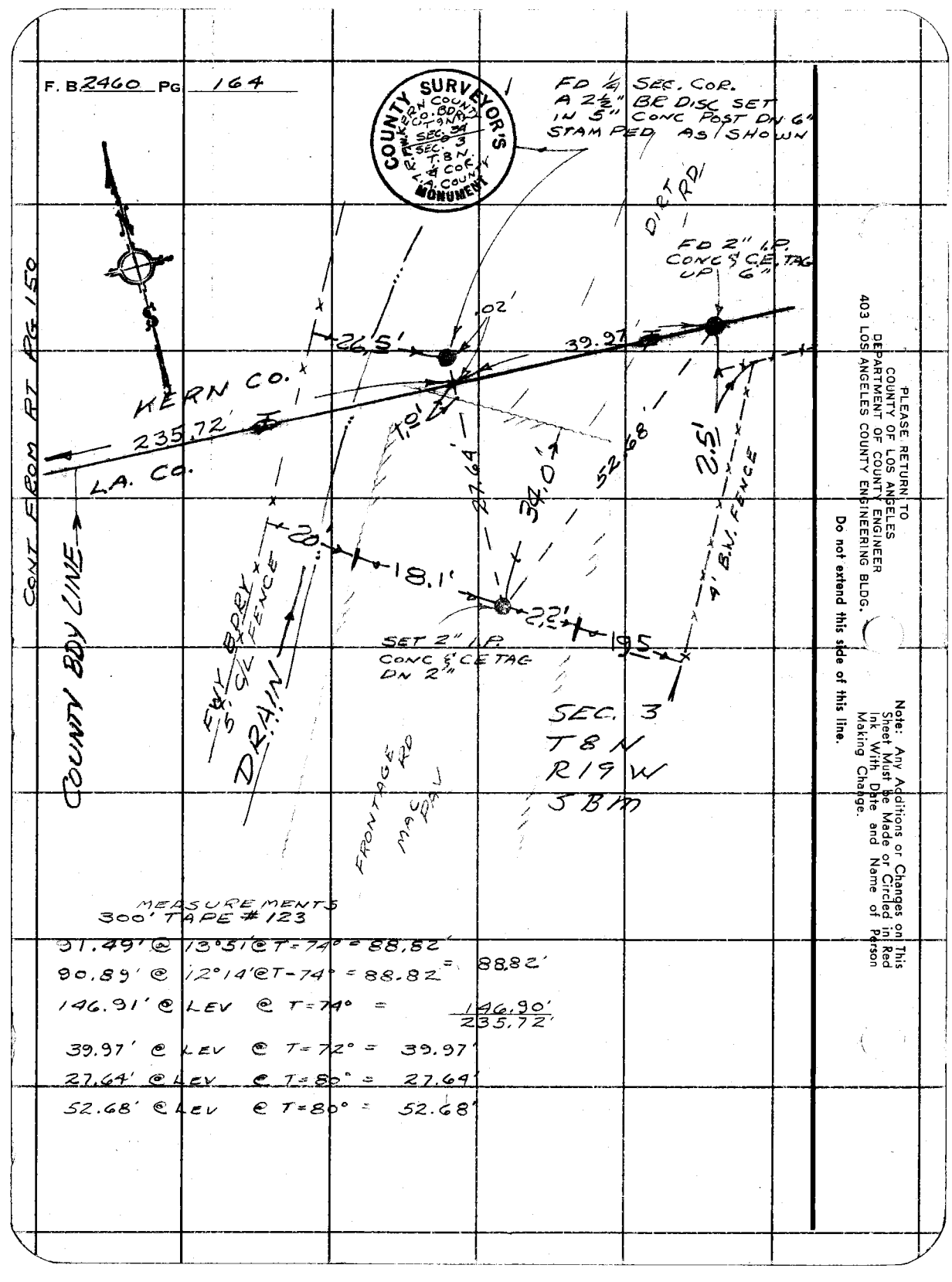
76F3095 CE#310 3-68

F. B. 2460 PG 164



MEASUREMENTS
300' TAPE #123

91.49' @ 13°51' @ T=74° = 88.82'
90.89' @ 12°14' @ T=74° = 88.82'
146.91' @ LEV @ T=74° = 146.90'
235.72'
39.97' @ LEV @ T=72° = 39.97'
27.64' @ LEV @ T=80° = 27.64'
52.68' @ LEV @ T=80° = 52.68'

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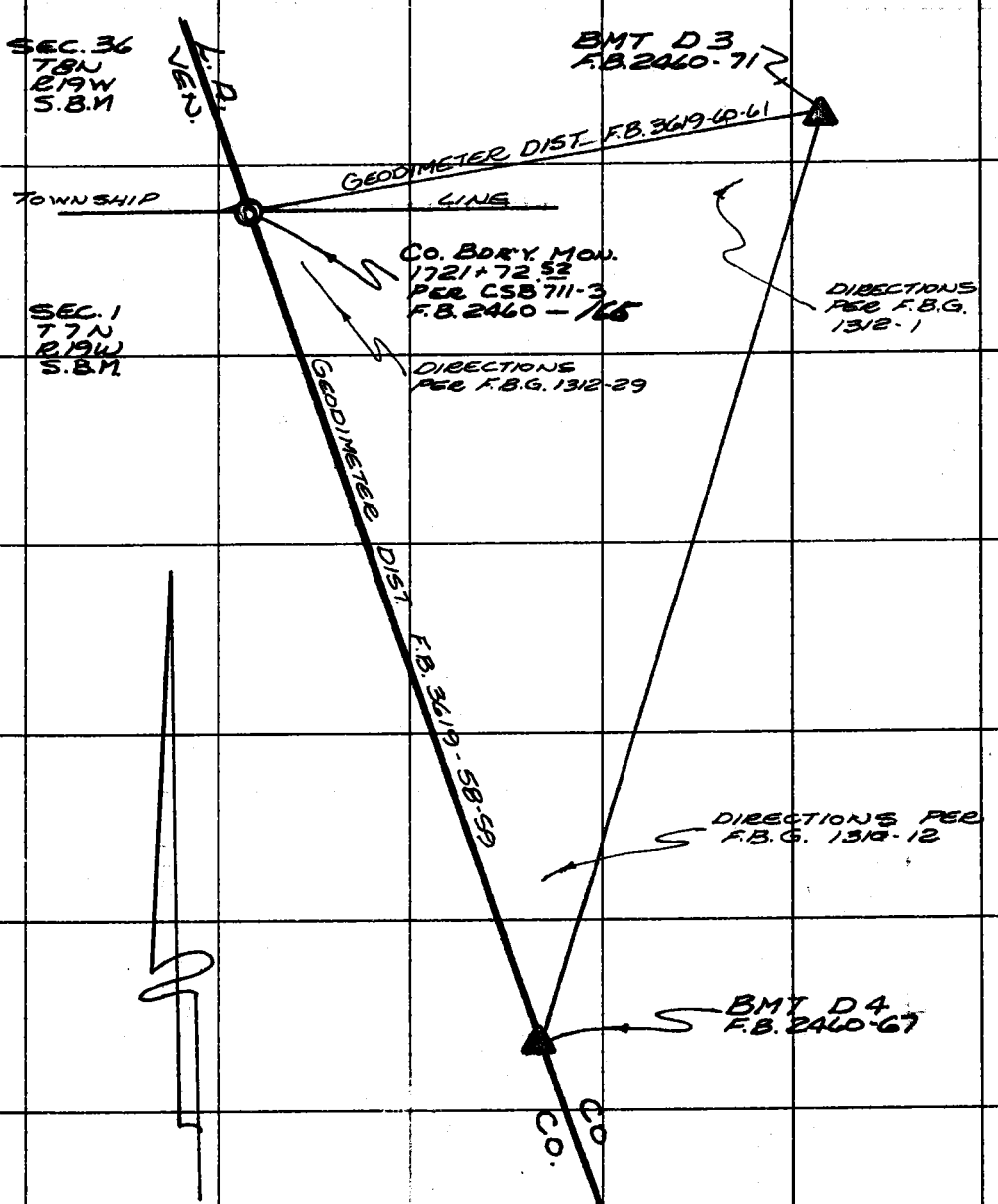
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Hungry Valley Rd.	F. B. 2460 PG. 165
Map No.	JN 0095.23 Tape — Std — °F	
Office Work	Surveyed by RANDALL	
Checked	Notes JGR Date Oct-69	
Date	Indexed C. L. GALLI DEC 8 '69	

WEST COUNTY BOUNDRY LINE



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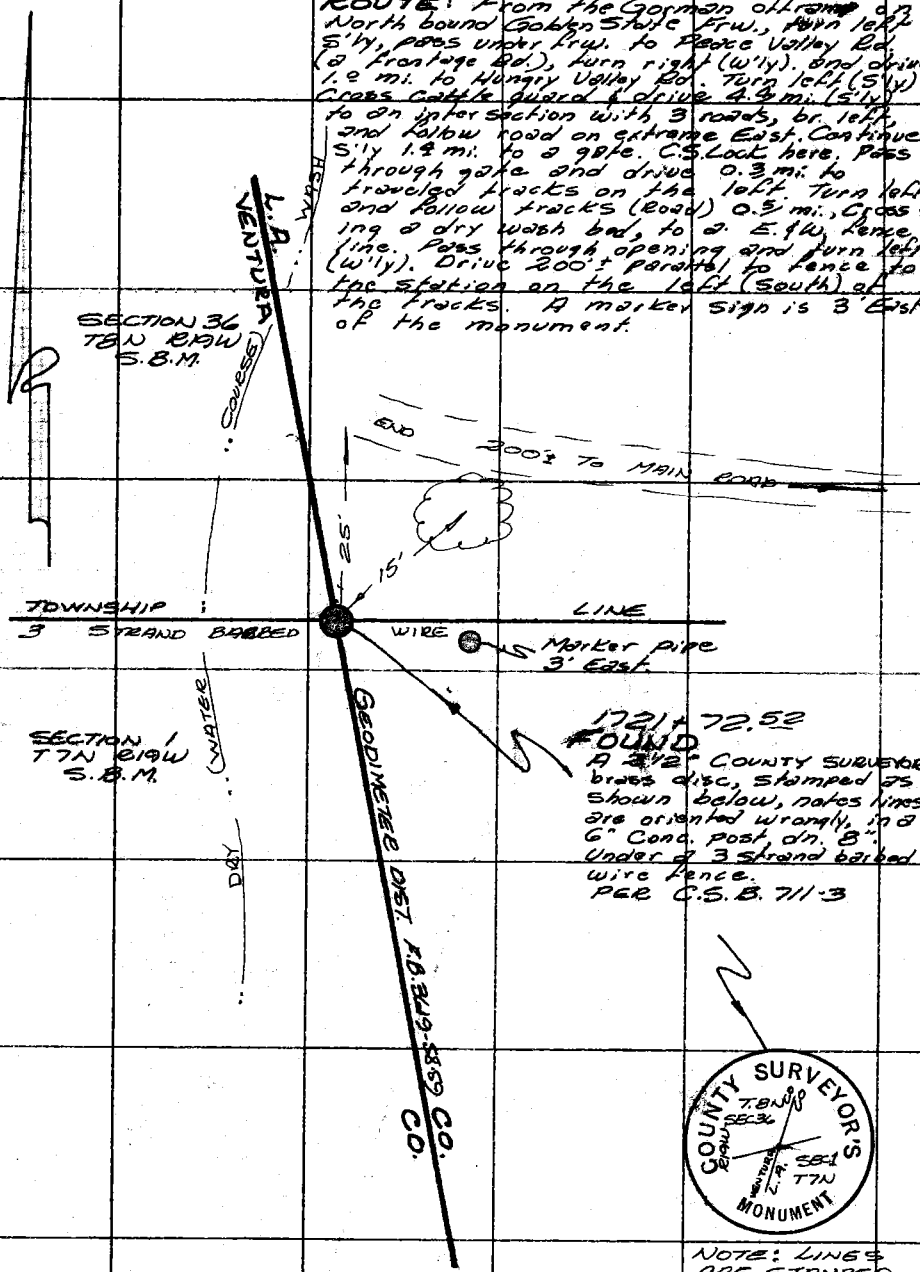
76F3095 CE#310 3-68

F. B. 2406 PG. 166

60

WEST COUNTY BDR'Y MON.

ROUTE: From the Gorman offramp on North bound Golden State Frw., turn left S'ly, pass under Frw. to Peace Valley Rd. (a frontage Rd.), turn right (W'ly). and drive 1.2 mi. to Hungry Valley Rd. Turn left (S'ly) Cross cattle guard & drive 4.5 mi. (S'ly) to an intersection with 3 roads, br. left, and follow road on extreme East. Continue S'ly 1.2 mi. to a gate. C.S. Look here. Pass through gate and drive 0.3 mi. to traveled tracks on the left. Turn left and follow tracks (road) 0.5 mi., Crossing a dry wash bed, to a E.-W. fence line. Pass through opening and turn left (W'ly). Drive 200'± parallel to fence to the station on the left (South) of the tracks. A marker sign is 3' East of the monument.



NOTE: LINES ARE STAMPED AS SHOWN ABOVE.

TO BMT D 4
F.B. 2460 - 67

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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 NW L.A.Co. Control F. B. 2460 Pg. 167
Map No.	J 0301.00 Tape Std °F
Office Work	Surveyed by Wilson-Randall Sept-69
Checked	Notes Date
Date	Indexed C. L. GALL DEC 18 '69

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NORTH WEST L.A. CO. CONTROL

FREEMAN CYN & LOWER HUNGRY VALLEY

JN 0301.00

TIES TO 1/4 & SEC CORNERS

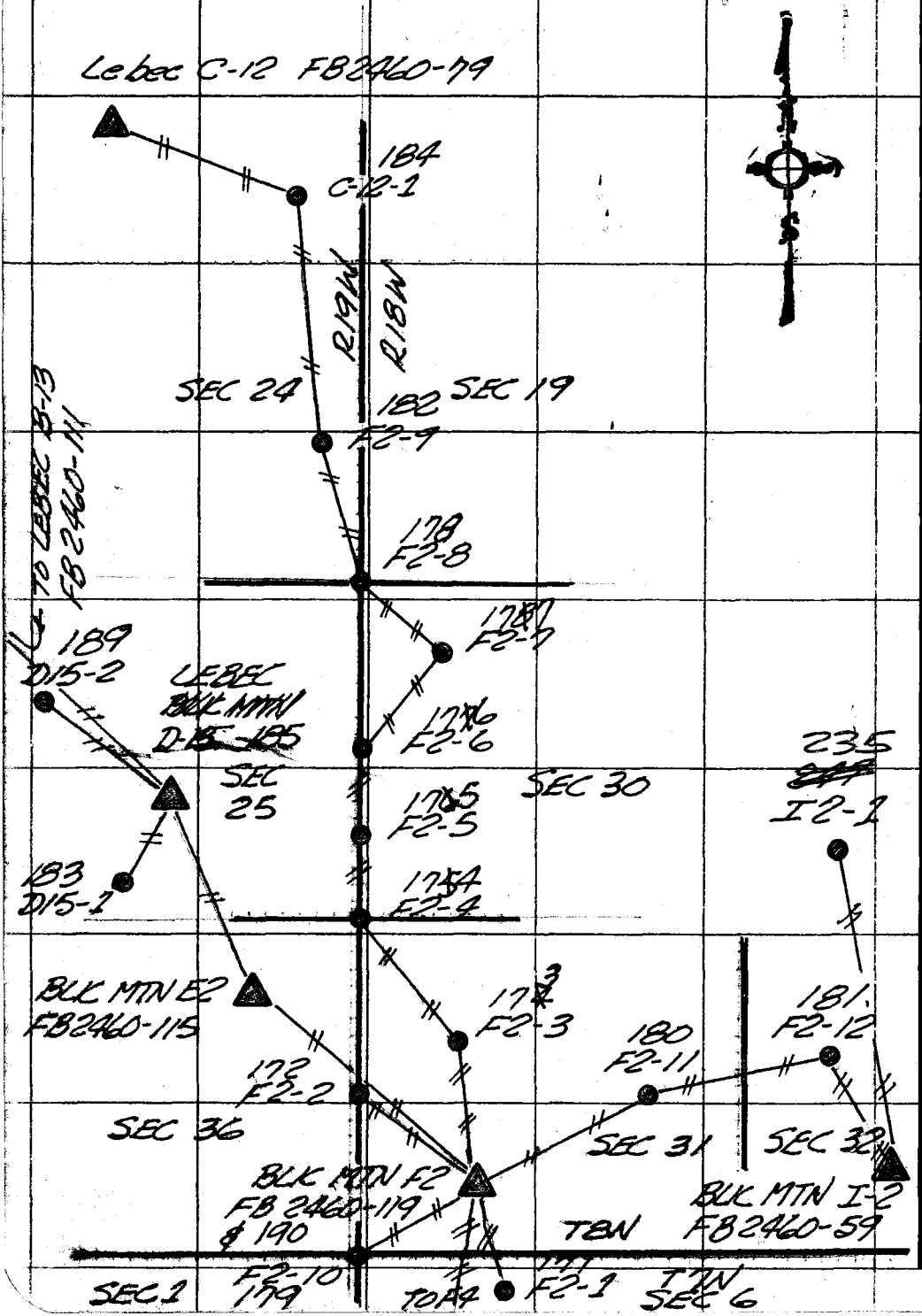
R18W R19W T3N T4N

SEPTEMBER 1969

Wilson	Randall
Adams	Pyle
Barnett	Fisher
Floreck	Scherb

26F3095 CE#310 3-68

F. B. 2460 PG. 168



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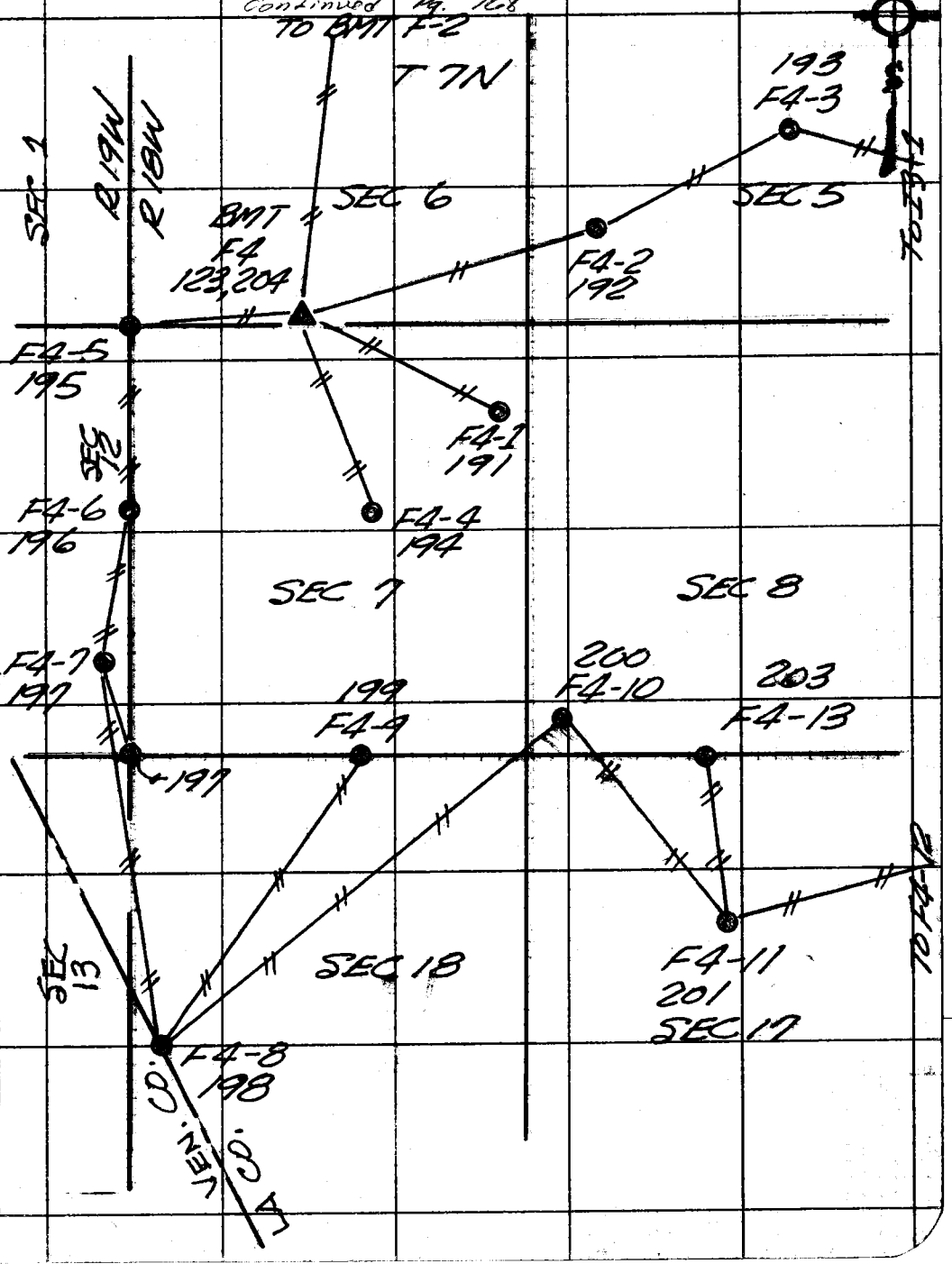
Notes Ck'd by	Survey of NWLACo Control
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RGW JHC
Checked	Notes Date SEPT-69
Date	Indexed C. J. GALLI DEC 18 '69

F. B 2460 PG. 169

Continued Pg. 168



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76F309S CE#310 3-68

F. B. 2460 PG. 170

I3-6
212

BMT I2
59

SEC 33

T8N

T7N

51
BMT K-3

207
BMT
I-3

I3-8
206

BMT J-3 RM № 4
217

SEC 4

211
I3-1

+ Meas.

214

I3-2

+ Meas.

I3-3
213

Meas.

BMT J5-B
221

I3-7
225

I3-4
215

SEC 9

BMT I-5
55

216
I3-5

F4-14
205

SEC 16

F4-12
202

TO F4-13

TO F4-11

GOLDEN STATE HWY

R18W

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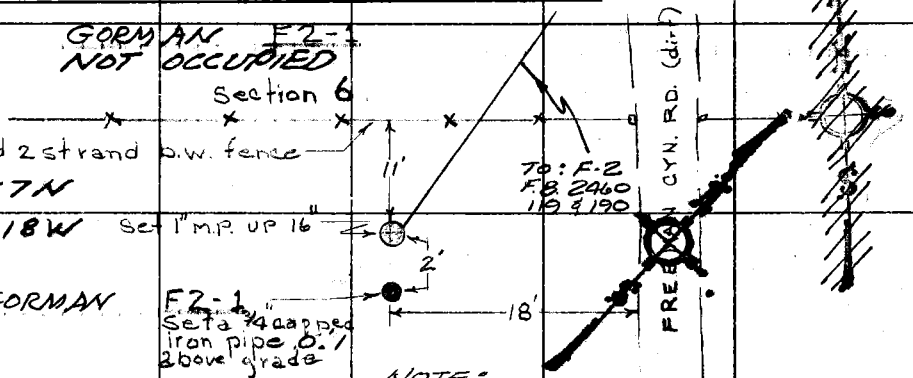
Notes Ck'd by	Survey of N.W. L.A. CO. CONTROL
Map No.	JN 30109 Tape Std °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes C. DYLE Date Sept 69
Date	Indexed D. L. GALLI DEC 18 '69

F. B. 2460 PG. 171

GORMAN F2-1
NOT OCCUPIED



NOTE: See F.B. 3619 for Geodimeter Dist.

AREA: This point is located in the NW portion of LA. County in FREEMAN CYN. 450' ± S. & 1900' ± E of the N.W cor of Sec. 6, T 7N, R 18W. See U.S.G.S. 7½' sheet "BLACK MTN" Quad. 1958.

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS, 600' N of the KINSEY RANCH buildings, pass through a barbed wire gate (C.S. LOCK) and travel N'LY on FREEMAN CYN RD. 1.1 miles to an opening in a b.w. fence. This point is 19'± to the West.

2 Refl's @ ℄ facing F2

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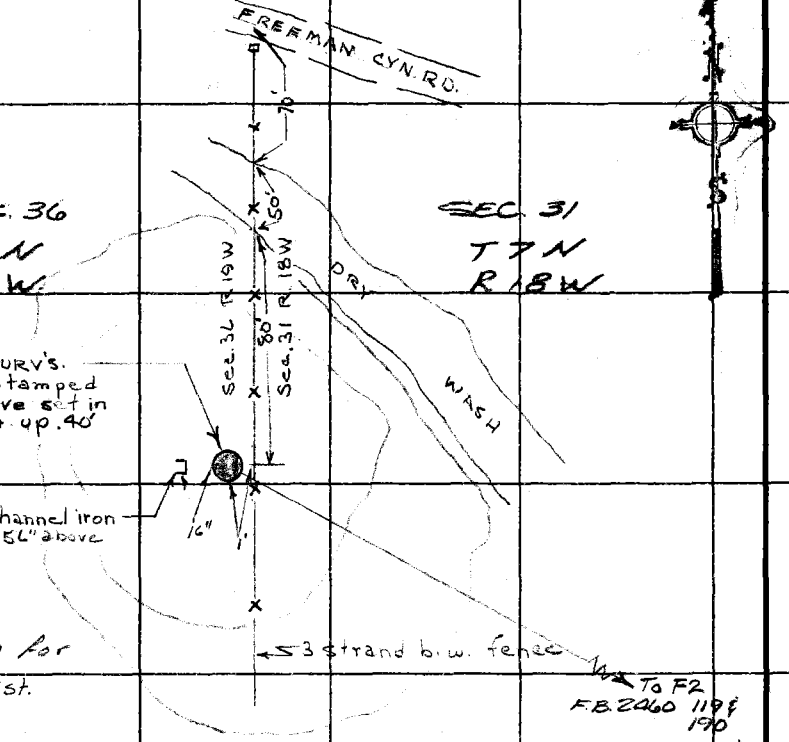
76E3095 CE#310 3-68

F. B. 2460 PG 172

GORMAN
F2-2
NOT OCCUPIED

COUNTY SURVEYOR'S
T8N
R19W | SEC 36 | SEC 31 | R18W
¼ COR.
MONUMENT



AREA: This point is located in the N.W. portion of L.A.CO. in FREEMAN CYN. 2800'± S of the N.W cor. Sec. 31, on line dividing R 19 W. & R 18 W., T 7 N. See USGS 7½' sheet "Black Mtn." Quad 1958

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS., 600' N. of the KINSEY RANCH bldgs, pass through a barbed wire gate (c.s. lock), and travel N.LY. on FREEMAN CYN RD. 1.7 miles to a "Y" bear left (N.W.LY) 0.10 miles to where a fenceline crosses the road. Point is 200'± S. of the inter. of the road & fenceline.

Set 2 ref's @ 6' toward F2

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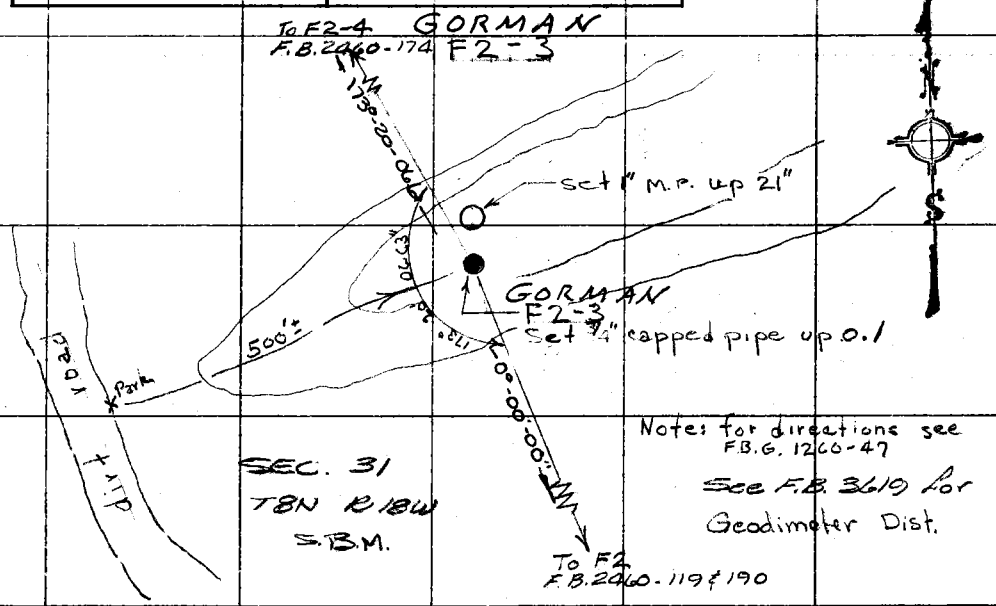
Notes Ck'd by	Survey of N.W. L.A. CO. CONTROL
Map No.	JN 0301-09 Tape Std °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes C. PYLE Date Sept. 69
Date	Indexed D.L. GALLI Date 1-8-69

F. B. 2460 PG. 173



Note: for directions see F.B.G. 1200-47

See F.B. 3619 for Geodimeter Dist.

AREA: This point is located in the N.W. portion of L.A. Co. It is 1900'± S. & 1000'± E. of the N.W. cor of Sec. 31 T.8N., R.18W. See USGS 7½' Sheet "BLACK MTN." Quad 1958

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS., 600' N. of the KINSEY RANCH buildings, pass through a barbed wire gate (c.s. lock) and travel N4Y. 1.7 miles to a "Y" in the road. Bear right (N.ELY) and proceed 0.20 miles up a canyon. Park, and hike up a spur rising to the E. 500'± to the point

Set 2 ref l's @ 6' to F2

Note: Any Additions 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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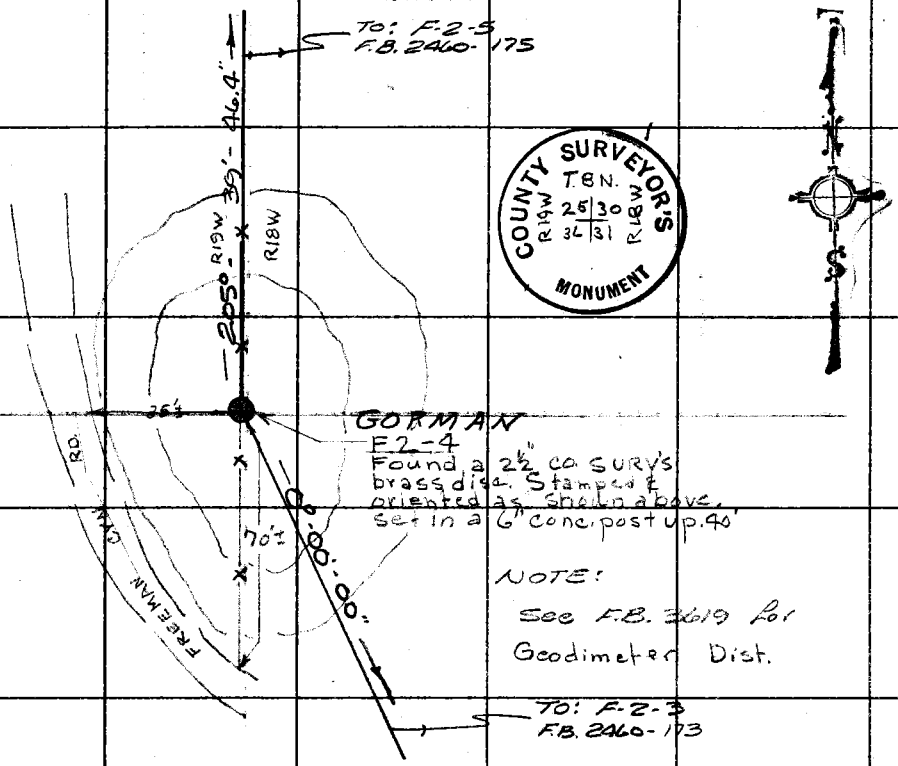
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

F3095 CE#310 3-68

F. B. 2460 PG. 174

GORMAN
F2-4



NOTE:
See F.B. 3619 for Geodimeter Dist.

AREA: This point is located in the N.W. portion of L.A. CO. near FREEMAN CYN. It is a section corner on the line dividing R.19W. & R18W. as shown above. T8N. See U.S.S.S. 7½' sheet "BLACK MTN." Quad. 1958

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS, 600' N. of the KINSEY RANCH buildings, pass through a barbed wire gate (CS LOCK) and travel N.L.Y. on FREEMAN CYN. RD. 1.7 miles to a "Y" in the road. Bear right (N.ELY.) and continue 0.60 miles to where a fenceline crosses the road. The point is 70'± N. of the inter. of the road & fenceline.

SEE F.B.G. 1313-9 FOR DIRECTIONS TO F-2-3 & F-2-5

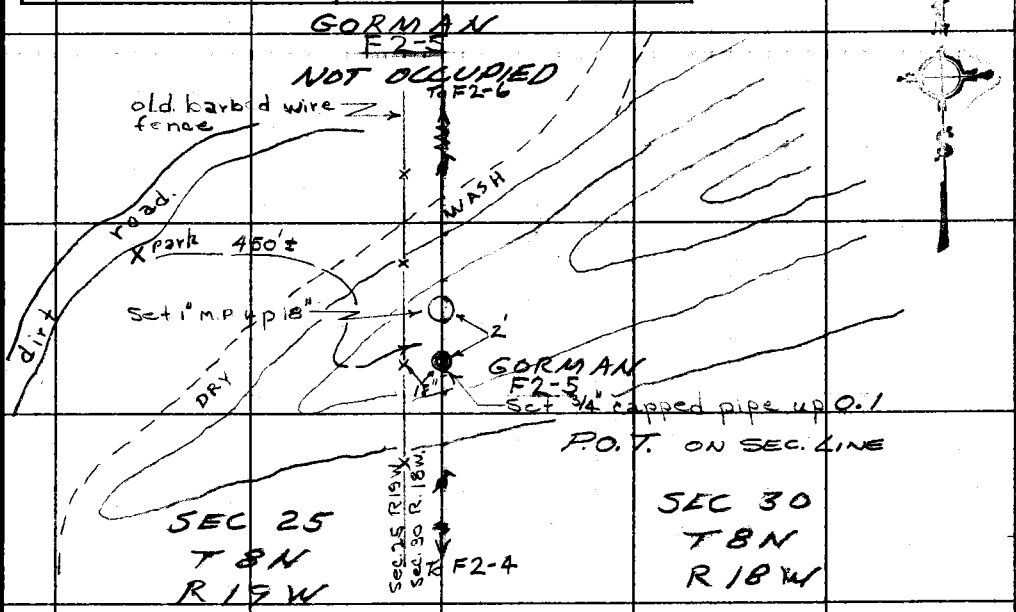
PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend this side of this line.

Notes Ck'd by	Survey of N.W.L.A CO. CONTROL
Map No.	JN Tape Std °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes C. DYLE Date Sept 69
Date	Indexed DLGALLI DEC 18 '69

F. B. 240 PG. 175



AREA: This point is located in the N.W. portion of L.A. co. It is 1400'± N. of the S.W. Cor. of Sec. 30 and on the range line dividing R.19 W. & R.18 W. T8N. See U.S.G.S. 7½' sheet "BLACK MTN." Quad 1958

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS., 600'N. of the KINSEY RANCH buildings, pass through a barbed wire gate (C.S. Lock) and travel NLY. on FREEMAN CYN. Rd. 1.7 miles to a "Y". Bear right (N.ELY) up another CYN. 0.60 miles and pass through an opening in a fenceline, continue on 2.20 miles through another opening in a fenceline. Proceed 0.10 miles further and park. Hike 400'± ELY up a ridge to the point.

Set 2 Refls @ C' to F2-4 & F2-C

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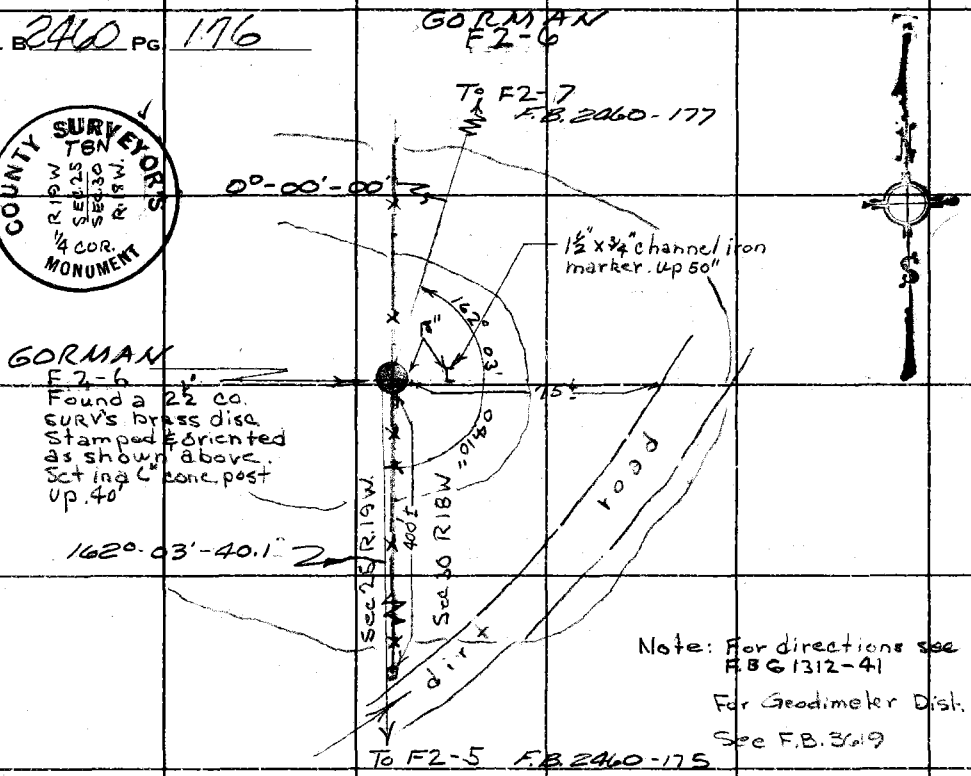
403 LOS ANGELES COUNTY ENGINEERING BLDG.

DoE 3095 CE 2310 3-68

F. B. 2460 PG. 176

COUNTY SURVEYOR'S MONUMENT
T8N
R19W SEC.25
SEC.30 R18W.
1/4 COR.



Note: For directions see F.B. G 1312-41

For Geodimeter Dist. See F.B. 3619

AREA: This point is located in the N.W. portion of L.A. CO. It is a ¼ Sec. Cor. 2700'± S. of the N.W. Cor. of Sec. 30 and on the Range line dividing R19W. & R18W. T8N. as shown above. See USGS. 7½' sheet "BLACK MTN." Quad. 1958

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS., 600' N. of the KINSEY RANCH buildings, pass through a barbed wire gate (C.S. Lock) and travel NLY. on FREEMAN CYN. RD. 1.7 miles to a "Y" in the road. Bear right (NELY) and after 0.60 miles pass through a fenceline. Continue 0.20 miles and pass through another fenceline. Proceed 0.20 miles through the yard of an abandoned homesite. After an additional 0.20 miles arrive at an opening in a fence. Proceed 450'±, park, and hike 75'± W to the point.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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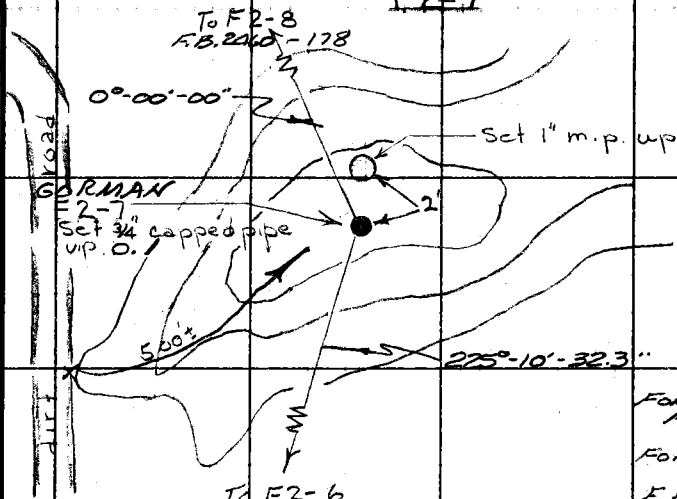
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of N.W. L.A. CO. CONTROL
Map No.	JN 9301.00 Tape Std °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes C. RYLE Date Sept '69
Date	Indexed C.L. GALLI DEC 18 '69

F. B. 2460 PG. 177

GORMAN
F2-7



SEC. 30
T8N R18W
S.B.M.

FOR DIRECTIONS SEE
F.B.G. 1312-47
For Geodimeter Dist. See
F.B. 3619

AREA: This point is located in N.W. L.A. CO. in a canyon N. of FREEMAN CYN. It is 1100'± S & 500'± E. of the N.W. cor. of Sec. 30, T.8N., R.18W. See U.S.G.S. 7½' sheet "BLACK MTN." Quad 1958.

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS., 600' N. of the KINSEY RANCH buildings, pass through a barbed wire gate (C.S. lock) and travel NLY. on FREEMAN CYN RD. 1.1 miles to an opening in a fenceline. Continue on 0.70 miles to a "Y". Bear right (N.ELY) and 0.60 miles further pass through a fenceline. Thence 0.20 miles cross another fenceline, and 0.20 miles more drive through the yard of an abandoned homestead. Proceed .20 miles to yet another fenceline. Continue on 0.30 miles and park. The point is on top of a spur rising to the E. 500'± distance away.

Note: Any Additions 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.

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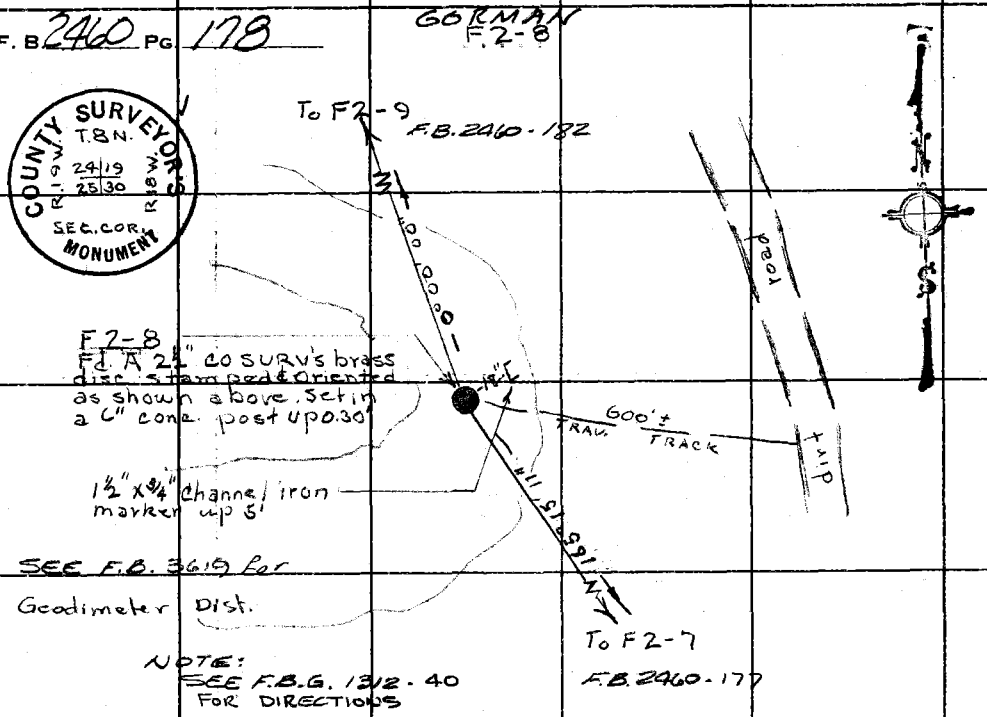
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 C.E.#310 3-68

F. B 2460 Pg. 178

GORMAN
F.2-8



AREA: This point is located in the N.W. portion of L.A. CO. in a CYN. N. of FREEMAN CYN. It is a SEC. COR. on a range line as shown above. See U.S.G.S. 7½' sheet "BLACK MTN." Quad. 1958.

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS., 100' N. of the KINSEY RANCH buildings, pass through a barbed wire gate (ck's lock) and travel NLY. on FREEMAN CYN RD. 1.8 miles to a "Y" in the road. Bear right (N.ELY) and after 0.60 miles pass through a fence line. Continue 0.20 miles and pass through another fence line. Proceed 0.20 miles through the yard of an abandoned homestead. Thence 0.20 miles to another fence line. Travel 0.40 miles and cross the fenceline again and 0.10 miles further turn left (WLY) when the canyon divides and follow the traveled track 600'± to the point.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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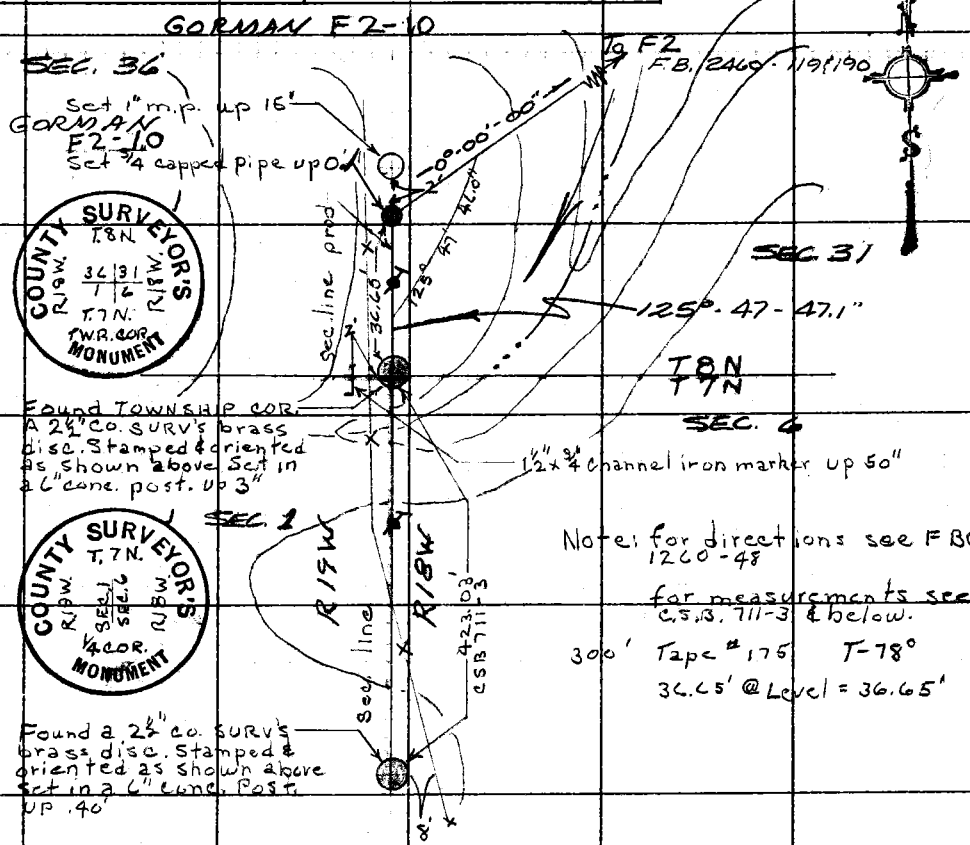
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of N.W.L.A.CO. CONTROL
Map No.	JN0301.00 Tape ___ Std ___ °F
Office Work	Surveyed by J. G. RANDALL
Checked	Notes C. PYLE Date Sept 69
Date	Indexed C. J. GALLI DEC 15 '69

F. B. 2460 PG. 179



Note: for directions see F BG 1260-48

for measurements see C.S.B. 711-3 & below.

300' Tape #175 T-78°

36.65' @ Level = 36.65'

AREA: This point is located in the N.W. portion of L.A.CO. It is 37'± N, & on line prod. dividing R.19W. & R.18W., of the S.W. Cor. of Sec. 31 T.8N, R.18W. See U.S.G.S. 7½' sheet "BLACK MTN" Quad. 1958

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN RDS., 600' N. of the KINSEY RANCH buildings, pass through a barbed wire gate (C.S. lock) and travel NLY. on FREEMAN CYN. RD. 1.1 miles to an opening in a b.w. fence. Continue .25 miles and turn left (W) 200'± before some deteriorating bldg's. Proceed WLY. .20 miles up the small canyon, park and hike 500'± SLY. up a ravine to the point.

Set 4 refl's @ 6' to F2

Note: Any Additions 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.

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

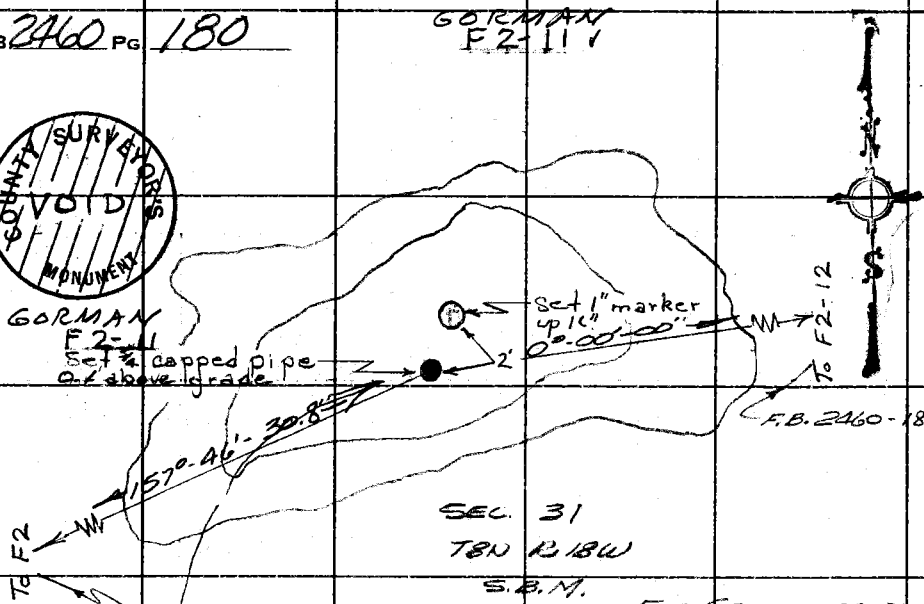
76F309S CE#310 3-68

F. B. 2460 PG. 180

GORMAN
F2-11

COUNTY SURVEYOR'S VOID MONUMENT

GORMAN
F2-11



FOR GEODIMETER DIST.
INTO THIS POINT F.B. 3619

DIR FBG 1313-25

AREA: This point is located in the N.W. portion of L.A. CO. on a ridge running along the W. side of FREEMAN CYN. It is 2300'± N. & 1250'± W of the S.E. COR. of Sec. 31 R.18W. T.8N. See U.S.G.S 7½' sheet "BLACK MTN" Quad 1958.

ROUTE: From the junction of HUNGRY VALLEY & FREEMAN CYN. RDS., 600' N of the KINSEY RANCH buildings, pass through a barbed wire gate (c.s lock) and travel NLY. on FREEMAN CYN. RD. 1.1 miles to an opening in a b.w. fence continue 0.20 miles to a traveled track on the right (W) follow this WLY. 0.50 of a mile to the foot of a spur. Skirt this on the N. side for 1000'± bending in a S.ELY. direction, to the foot of a steep saddle and a ridge rising to the SE., Park and hike up this 400'± to its top. Follow the top in a NLY. direction 800'± to the point.

Set: 2 ref l's @ 6' to F2 & 2 Ref l's @ 4' to F2-12

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DEPARTMENT OF COUNTY ENGINEER
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.

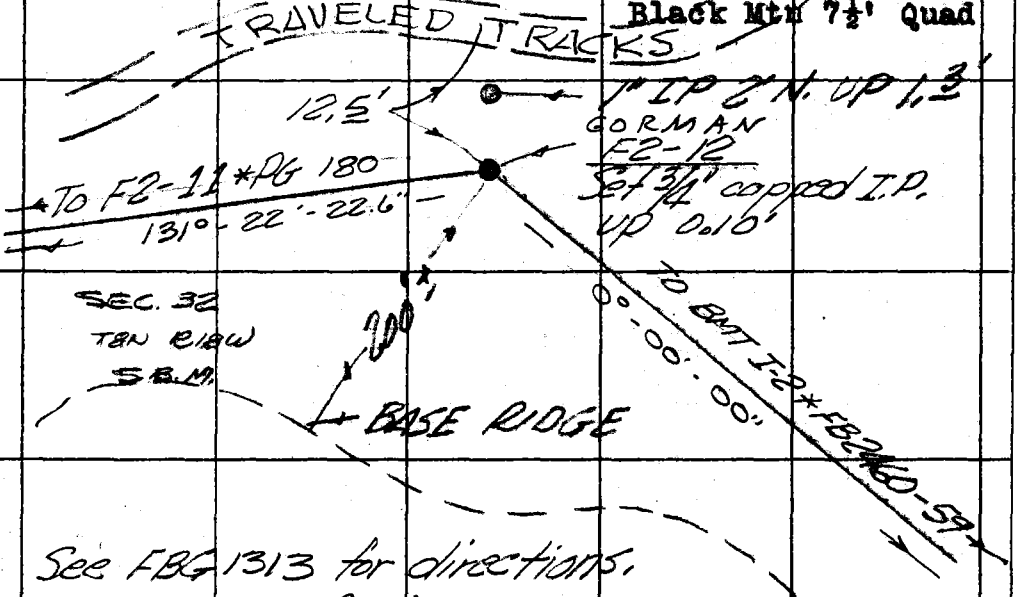
Notes Ck'd by	Survey of NW LA CO. CONTROL F. B 2460 Pg. 181
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by WH/Son
Checked	Notes RLW Date 9-25-69
Date	Indexed C. J. GALLI DEC 1 8 '69

GORMAN

F2-12

AREA: This point is located in the NW portion of LA Co. 1800'±E & 2800'±N of the SW cor of section 32, T8N, R18W, and may be reached from the paved road at the east end of lower Hungry Valley Road and the Interstate 5 Hwy as follows: Travel west, then north on paved road 1.1 miles to end of pav't: continue north 0,2m to Y & bear right: continue nly, thence wly 0.5 m to Y & bear lft (wly): thence west 0.2 m to locked gate (CS): thru gate continue nwly 0.3 m to traveled track on the lft(sly): thence lft 0.1 m to traveled track on lft (sely): thence lft & wly on traveled track 0.3 m to the point.

Black Mtn 7½' Quad



See FBG 1313 for directions.
See FB 3619 for gmtr meas.

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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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

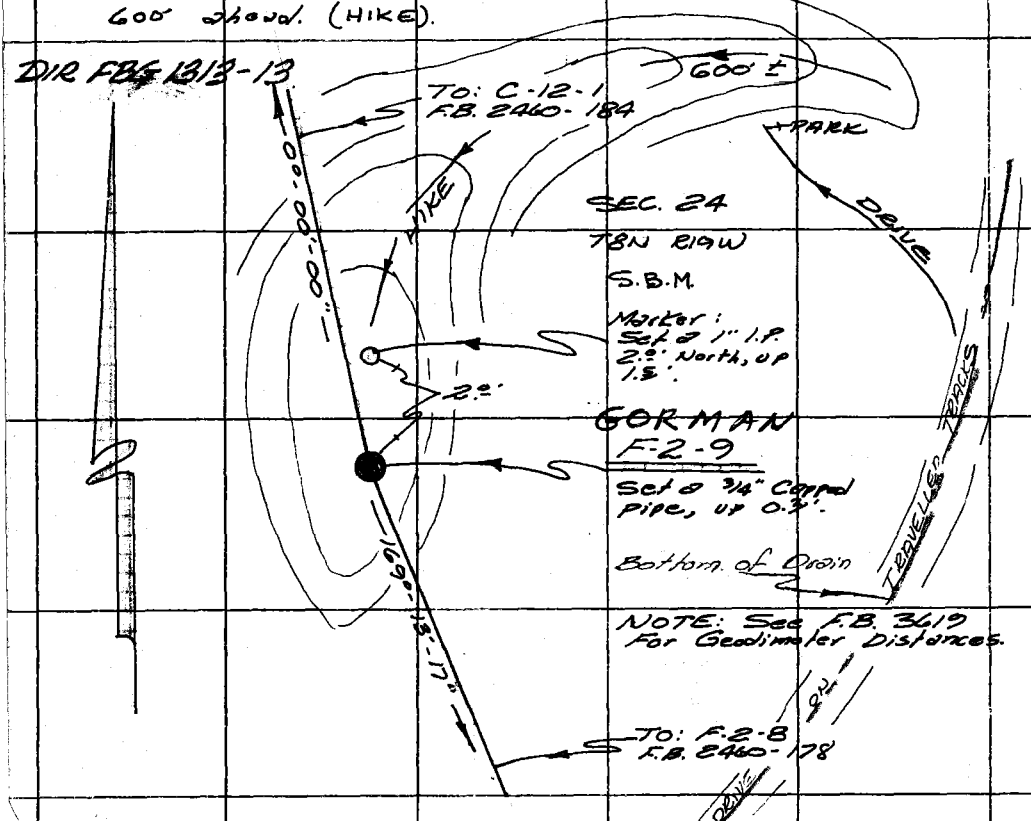
76F3095 CE#310 3-68

GORMAN
F-2-9

F. B 2460 PG 182

AREA & ROUTE:

This point is located in Los Angeles County (N.W. Portion). About 12,000' South of Gorman. East of Freeman Canyon. 480'± West & 1350'± North of the S.E. Cor. of Sec. 24-TBN-B19W.-S.B.M. See U.S.G.S. 7½min. Sheet "LEBEC, CALIF." 1958. From the intersection of Freeman Canyon & Hungry Valley Road (About 600' North of the Kinsey Ranch Bld'gs) Pass through a barbed wire gate and drive North'ly in Freeman Cn. 1.8 mi. on a dirt Road, to a "Y" intersection. Br. right (N.E.'ly) into the Canyon East of Freeman Canyon, and drive N'ly. 1.6 mi. passing through 4 Fence lines, also an abandonded Farm House about 1 mi. from the "Y" intersection, to a point where the Cn. divides. The S.E. Cor. of Sec. 24 is approx. 600' to the West. Br. right (N.E.'ly) and drive along bottom of stream bed 0.3 mi. to a spot where the bottom widens out on the left. Drive out of the bottom and proceed about 0.1 mi. to the foot of a ridge. The point is on the highest part of this ridge approx. 600' ahead. (HIKE).



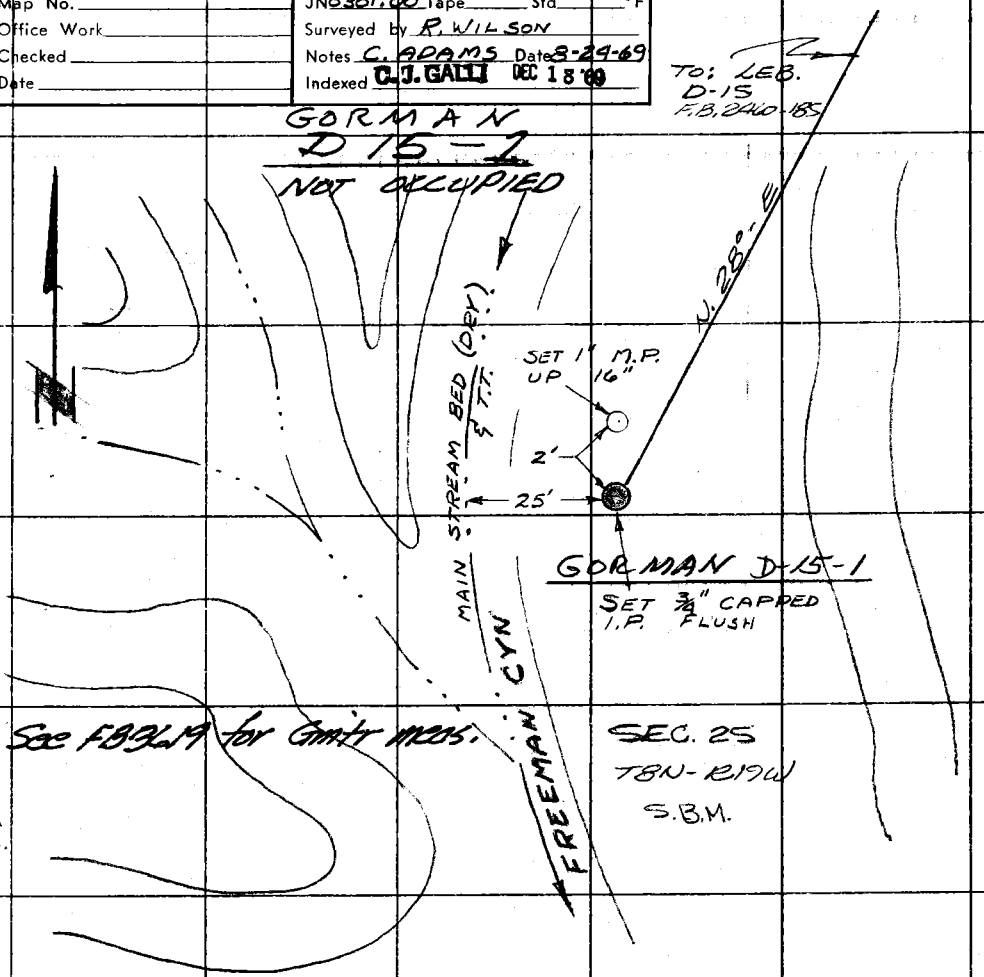
PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by	Survey of N.W. L.A.Co. CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R. WILSON
Checked	Notes C. ADAMS Date 8-29-69
Date	Indexed C.J. GALLI DEC 18 '69

F. B. 2460 PG. 183



AREA: THIS PHOTO CONTROL POINT IS LOCATED IN N.W. LOS ANGELES COUNTY IN FREEMAN CYN. 1100'± N. OF & 2700'± W. OF THE S.E. COR OF SEC. 25, T8N, R19W. USE U.S.G.S. 7½' BLACK MTN. QUAD. SHEET.

ROUTE: FROM THE JUNCTION OF LOWER HUNGRY VALLEY RD & FREEMAN CYN. 600'± N. OF KINSEY RANCH BLDGS, PASS THRU A BARB WIRE GATE (USE C.S. KEY) & FOLLOW DIRT RD & T.T.S UP BOTTOM OF FREEMAN CYN. 1.4 MI. TO ABANDONED BLDGS. CONT. 0.3 MI. TO a "Y" Intersection, Br. left (West'ly) in FREEMAN Canyon. Drive 0.5 to STA. BMT. E-2, on the right, Continue 0.4 mi. to the Point at the junction of two Canyons.

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.

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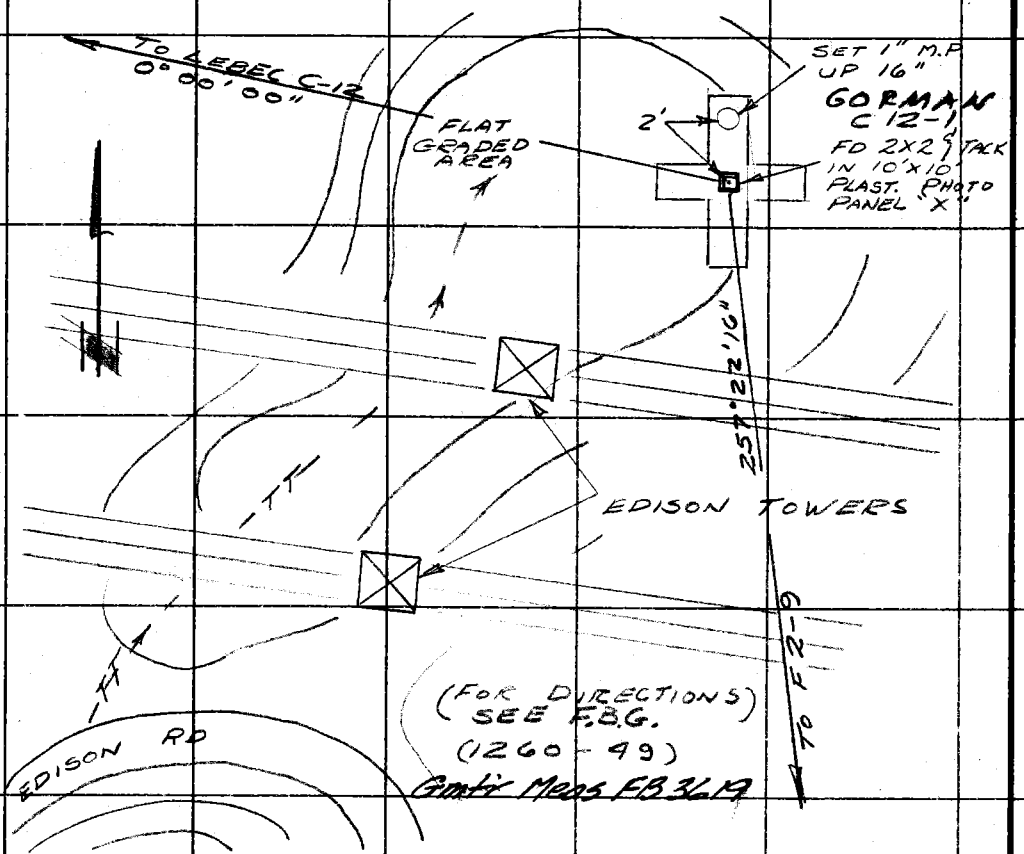
76F309S CE#310 3-68

F. B. 2460 PG. 184

GORMAN
C-12-1

SEC 13
T8N R19W



(FOR DIRECTIONS) SEE F.B.G. (1260-49)

Gmtr Meas FB 36 M

AREA: THIS PHOTO CONTROL POINT IS LOCATED IN N.W. LOS ANGELES COUNTY IN THE GORMAN AREA, 100'± N. OF & 1000' W. OF THE S.E. COR OF SEC 13 T8N, R19W ON A HILL MARKED 4185. USE U.S.G.S. 7½' LEBEC QUAD SHEET

ROUTE: From the Gorman offramp on North bound Interstate 5, turn left, pass under the Frw. (S'ly) to the frontage Rd. South of the Frw., turn right & drive W'ly 1.1 mi. to Hungry Valley Rd., on the left (So.). Turn left and drive along dirt road 1.1 mi. to Southern Calif. Edison Co. Transmission line. Turn left (East) onto Power line Rd.. Travel 2.2 mi. to a gate, with an L-Lock, Pass through gate and continue along Power line Road 1.9 mi.. The point is on the North Side of the Transmission Line.

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

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GEODETIC CONTROL

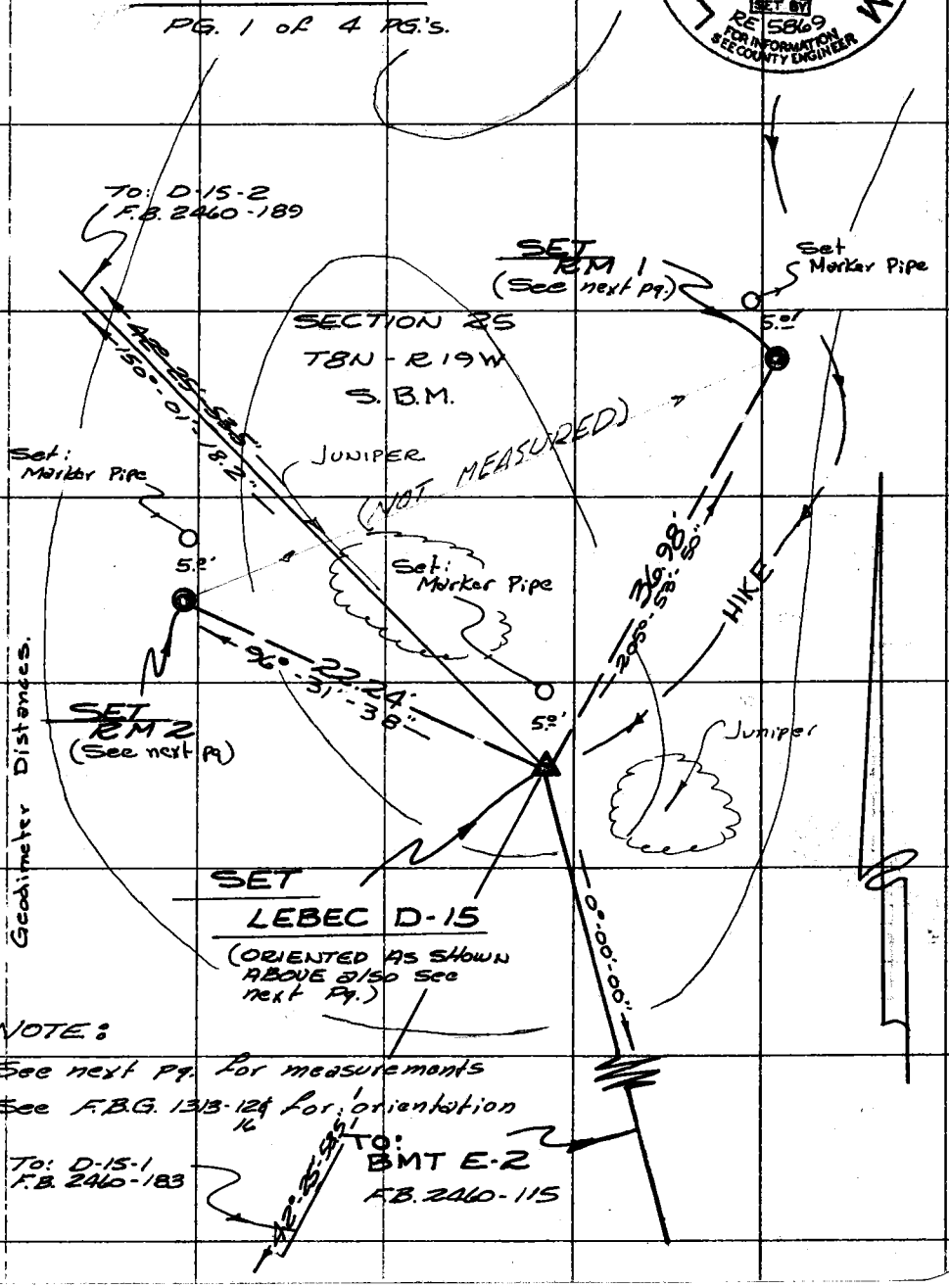
Notes Ck'd by	Survey of N.W.L.A. Co.
Map No.	JN 0201.00 Tape — Std — °F
Office Work	Surveyed by Wilson / Randall
Checked	Notes JGR Date 24-Sep-69
Date	Indexed C.T. GALLI DEC 15 '69

F. B. 2460 PG. 185

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LEBEC D-15

PG. 1 of 4 PG's.

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LEBEC D 15
1969
SET BY
RE 5869
FOR INFORMATION
SEE COUNTY ENGINEER



NOTE: See F.B. 3619 for Geodimeter Distances.

NOTE:
See next Pg. for measurements
See F.B.G. 13B-12 for orientation

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.

F&F 3095 C-E #3.10 3-68

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LEBEC D-15

F. B 2460 PG 186

MEASUREMENTS:

300' TAPE Nº 204 TEMP = 82° 50 MTR. TAPE Nº M-3

36.98'	= 36.98'	@ Lev.	11.269m	= 11.269m = 36.974'
22.24'	= 22.24'	@ Lev.	6.779m	= 6.779m = 22.24'

AREA: This TRAVERSE Station is located in Los Angeles County in the Freeman Canyon Area of N.W. L.A. Co., on a ridge on the East Side of Freeman Canyon, 15,400'± S'ly from the German School, 4,900'± E'ly. from the L.A.-Ventura Co. line. Also 2250'± West & 2100'± North of the SE. Cor. of Sec. 25 - T8N - R-19W. See U.S.G.S. 7½ min. Sheet "LEBEC, CALIF.".

ROUTE: From the Intersection of Hungry Valley Rd. and Freeman Cyn. Rd. (600'± No. of the Kinsey Ranch Bld'gs.), travel North'ly on Freeman Cyn. Rd. ~~0.5~~ 1.3 mi. to ruins of old Bld'g on the left, Continue North'ly ~~0.8~~ 0.4 mi. to a "Y" intersection, Br. Rt. and Cont. 0.6 mi. and pass through a N. & S. Fence line, Continue North'ly 0.3 mi. to a E. & W. Fence, pass through fence and turn left (west) then drive parallel to the same E-W fence line 0.2 mi. to a N. & S. Fence line, pass through opening then continue West'ly 0.3 mi. to approx. 200' ~~East~~ South of an E. & W. Fence line. Turn left and drive up steep bank to top of a low ridge, turn left at top and drive south'ly along ridge top on traveled tracks 0.1 mi. to the station, past a small saddle.

STATION MARK: A 4" L.A. Co. Sur. Cont. System brass traverse disc stamped "LEBEC D 15 1969 RE 5869", in a 7½" Conc. post up 3". A marker pipe was set 5' North.

No SUB SURFACE MARK WAS SET.

CONTINUED ON PG. 3 of 4 PG'S.

PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
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.

GEODETIC CONTROL

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

Survey of N.W. L.A. Co.
JN 2801.00 Tape — Std — °F
Surveyed by Wilson / Rundell
Notes JGE Date 24 Sep 69
Indexed L. L. GALLI DEC 18 '69

F. B. 2460 PG. 187

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

LEBEC D 15

Pg. 3 of 4 pgs.

REFERENCE MARKS:

№ 1: A 2½" L.A. Co. Eng'r. brass disc, stamped "LEBEC D 15 RM 1 1969 RE 5869" in a 6" Conc. post up 4".

№ 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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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

F 3095 C.E. 3.10 3-68

L. A. COUNTY SURVEY CONTROL SYSTEM

F. B. 2460 PG. 188

TRAVERSE STATION

LEBEC D 15

Pg 4 of 4 Pg's.

PLEASE RETURN TO
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DEPARTMENT OF COUNTY ENGINEER
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.

1700' E 1800' S

Notes Ck'd by	Survey of NWLACo Control
Map No.	JN 030[illegible] Tape Std °F
Office Work	Surveyed by RCW JR
Checked	Notes Date
Date	Indexed C. L. GALLI DEC 18 '69

F. B. 2460 PG. 189

GORMAN

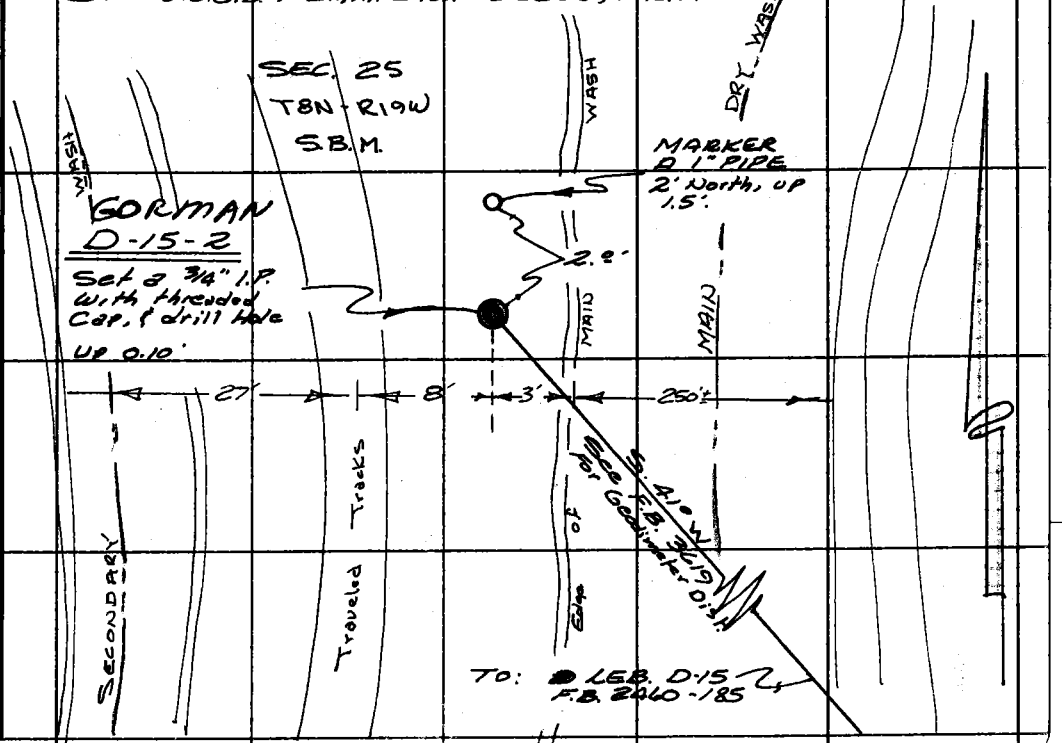
D15-2

AREA & ROUTE: NOT OCCUPIED

This point is located in Los Angeles County, In Freeman Canyon 1700'E. & 1800'S. of the N.W. Cor. of Sec. 25-T8N-R19W S.B.M. NOTE BELOW.

From the Intersection of Freeman Canyon & Hungry Valley Rd. (about 600' North of the Kinsey Ranch Bldg's.) pass through a barbed wire gate and drive North'ly in Freeman Canyon to an abandonded Farm on the right (West), continue North'ly 0.4 mi. to a "Y" intersection. Br. left (West'ly) and drive 0.5 mi. to station BMT. E-2 on the right, Continue in Freeman Canyon 1.0 mi. to a point where the traveled tracks leave the deep wash, turn left (West'ly) and drive 0.4 mi then follow canyon bottom North'ly 0.2 mi. to the point on the right (East) of the traveled tracks.

SEE U.S.G.S. 7½ min. Sheet "LEBEC, CALIF." - 1958



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.

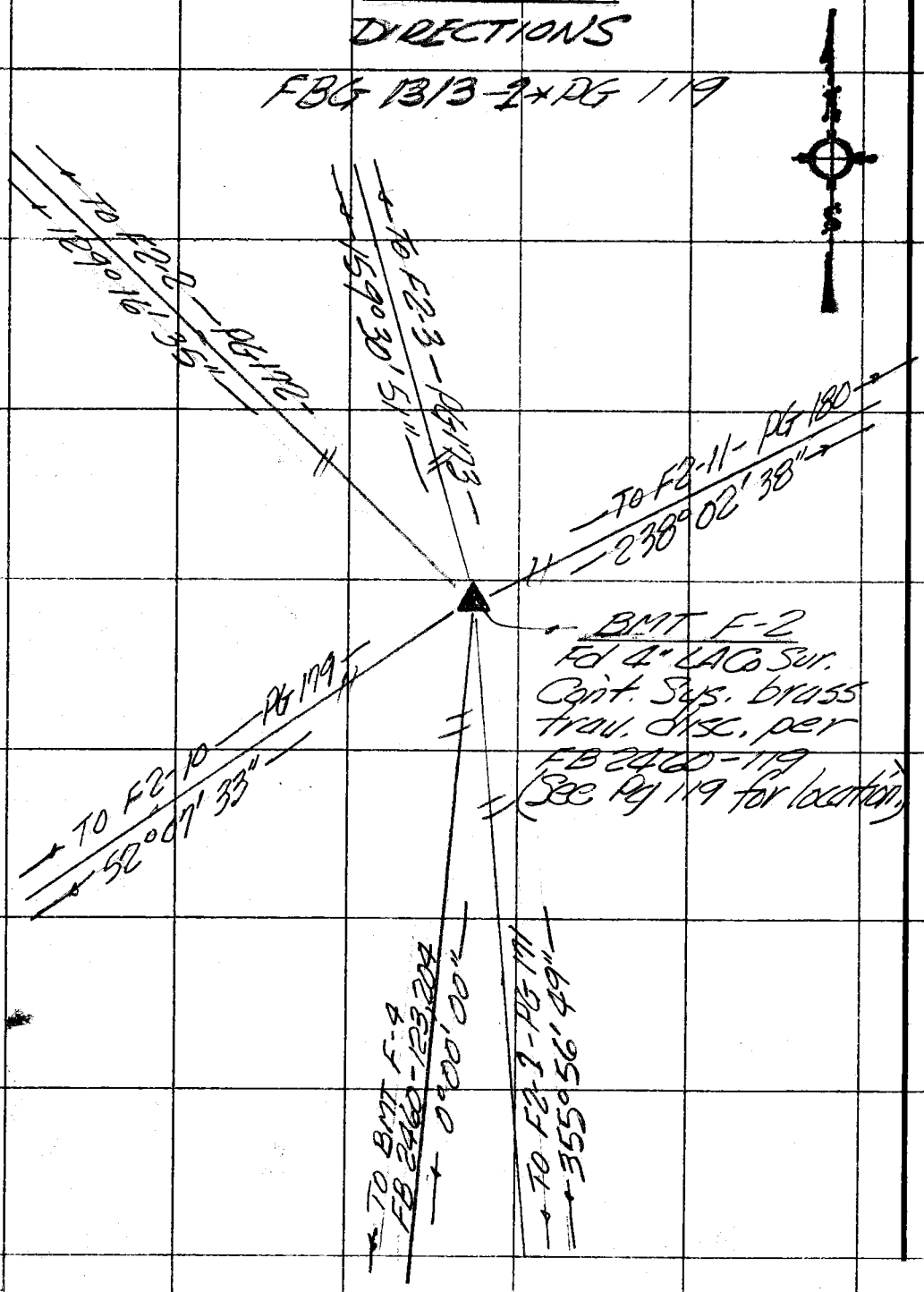
16F309S CE#310 3-68

F. B. 2460 PG. 190

BMT F-2

DIRECTIONS

FBG 1313-2 * PG 119



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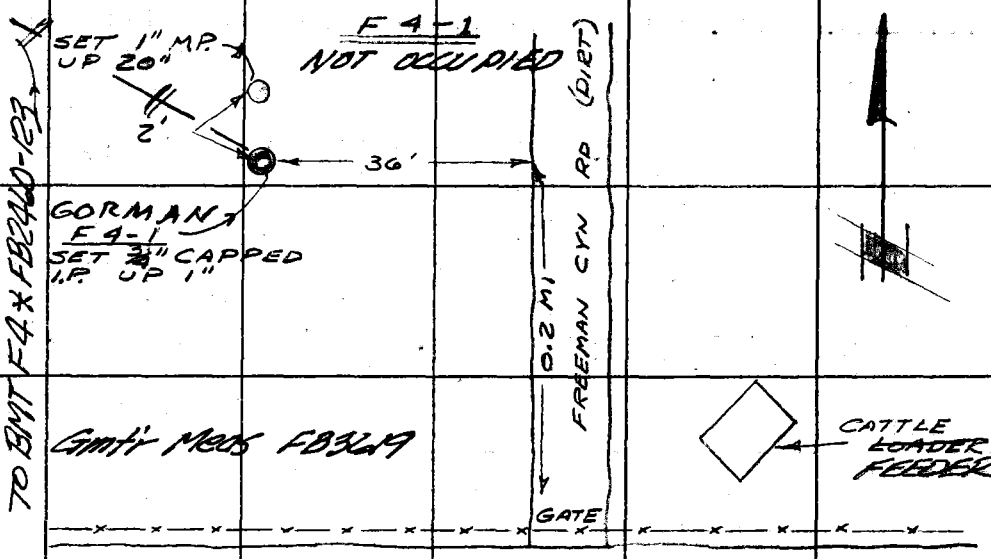
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of N.W. L.A. Co. CONTROL
JN 230100 Tape Std °F
Surveyed by R. WILSON
Notes C. ADAMS Date 8-20-69
Indexed C. L. GALLI DEC 15 '69

F. B. 2400 PG. 191

SEC 7
T 7N R 18W

GORMAN



AREA: THIS PHOTO CONTROL POINT IS LOCATED IN N.W. LOS ANGELES COUNTY, IN LOWER HUNGRY VALLEY, 1700'± W. OF & 900'± S. OF THE N.E. COR OF SEC 7, T 7N, R.18 W. USE U.S.G.S. 7½' BLACK MTN QUAD SHEET.

ROUTE: FROM THE JUNCTION OF LOWER HUNGRY VALLEY RD & FREEMAN CYN (600' N. OF KINSEY RANCH BLDGS, PASS THRU BARB WIRE GATE (USE C.S. KEY) & TRAVEL 0.2 MI. N. TO POINT (4 REFC 6' TO F-4)

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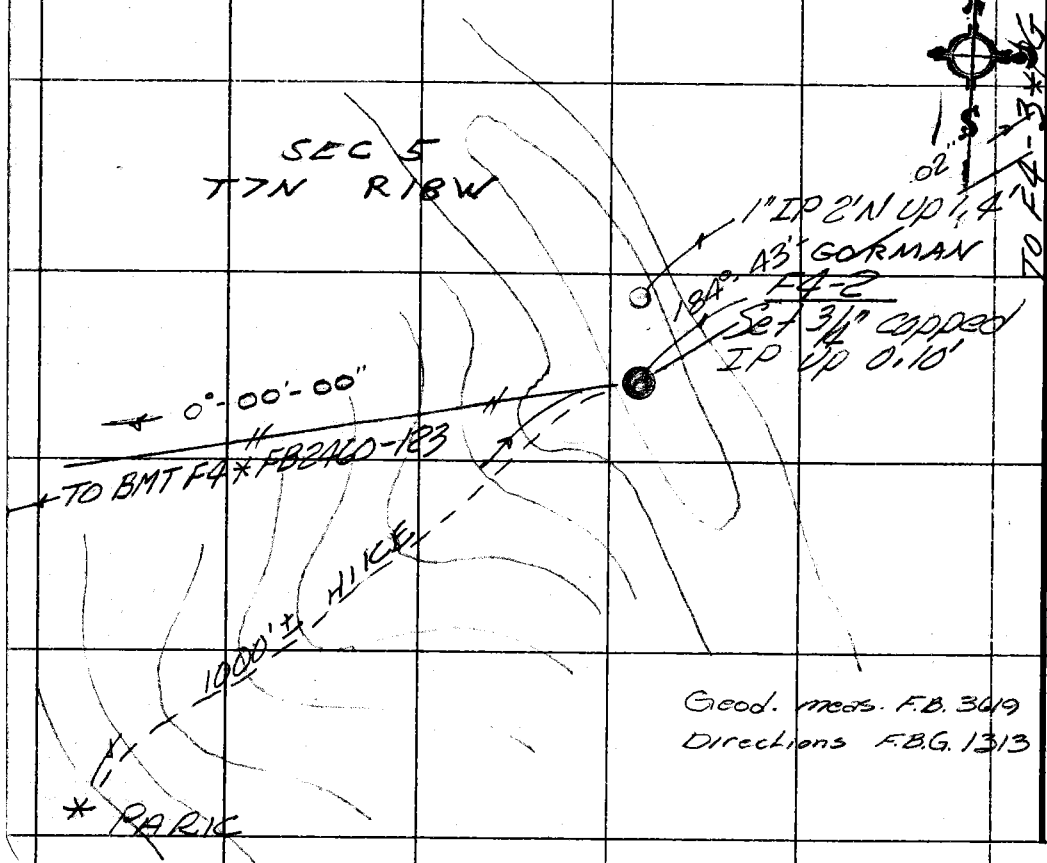
16F3095 C.E.#310 3-68

F. B. 2460 PG. 192

GORMAN F4-2'

AREA: This point is located in the NW portion of LA Co. 650'±N & 600'±E of the SW corner of sec 5 T7N, R18W, and may be reached from the intersection of Hungry Valley and Freeman Cyn roads, (600'N of Kinsey Ranch bldgs) pass thru barbed wire gate (CS Lock) and travel up Freeman Cyn on traveled tracks 0.5 m to gas line crossing: ~~turn right (swly) along gas line right of way~~ 0.3 miles: bear lft (nely) and follow tracks along bottom and up ridge to the right 0.4 m to high brush: park and hike thru brush and up ridge nely to bare ridge: continue nely to top of nude hill and the point. (1000'± from truck.) ~~Black Mtn 7½' quad sheet.~~

(4 REF TO F-4 @ 6' & 2 REF TO F4-3 @ 7')



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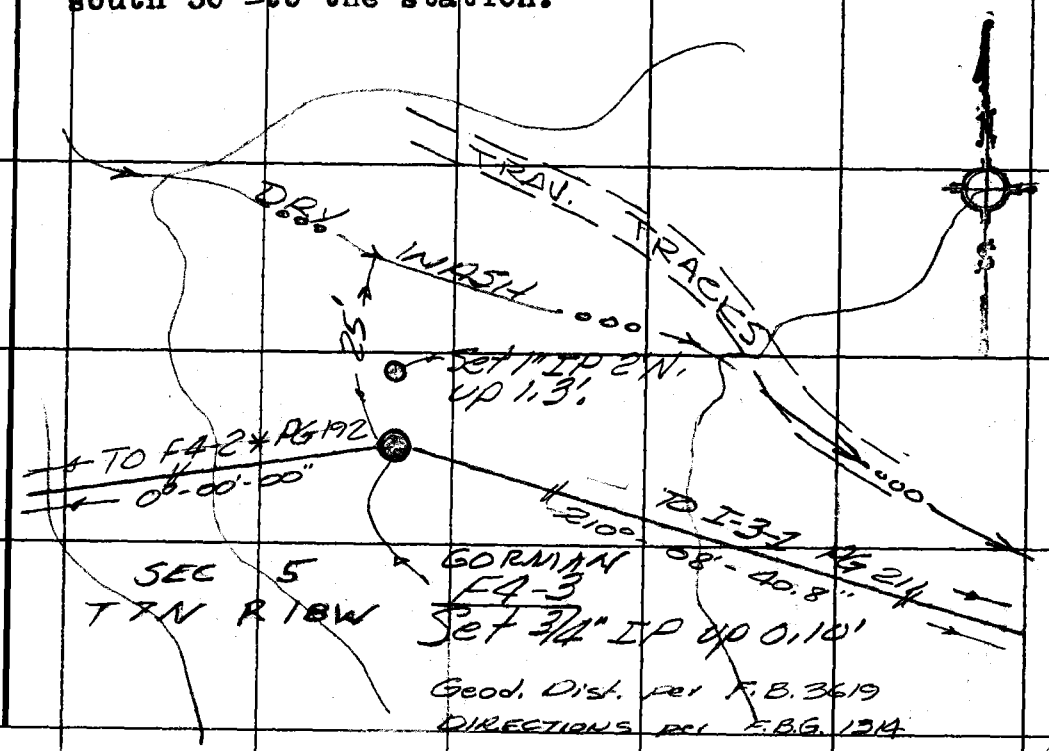
Notes Ck'd by	Survey of N.W. LAC Control
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by Watson
Checked	Notes RCW Date 9-26-69
Date	Indexed C.J. GALLI DEC 18 '69

F. B. 2460 PG. 193

GORMAN
F4-3

AREA: This station is located in the NW portion of LA Co 2650'±E & 1250'±N of the SW Corner of section 5, T7N, R18W, near the bottom of a dry wash and may be reached form the intersection of Old Hwy XX 99 and Copco Ave by traveling north on Hwy 99 0.5 miles to a paved road on the lft: turn lft (W) 0.2 miles, thence north 0.6 miles to a dirt road on the right(W): thence west 350'± to a cabin: turn lft (S) 350'± & pass thru wood gate: continue south 300' and turn right (W) thur fence: thence 0.15 miles to "Y" & keep straight (W) ascend slight slope and continue 0.15 miles to a fence line gate: pass thru and follow traveled tracks wly up bottom 0.3 miles to a point where the tracks leave the bottom; Park and hike ~~s/w~~ south 30'± to the station.



Geod. Dist. per F.B. 3619
DIRECTIONS per F.B.G. 1314

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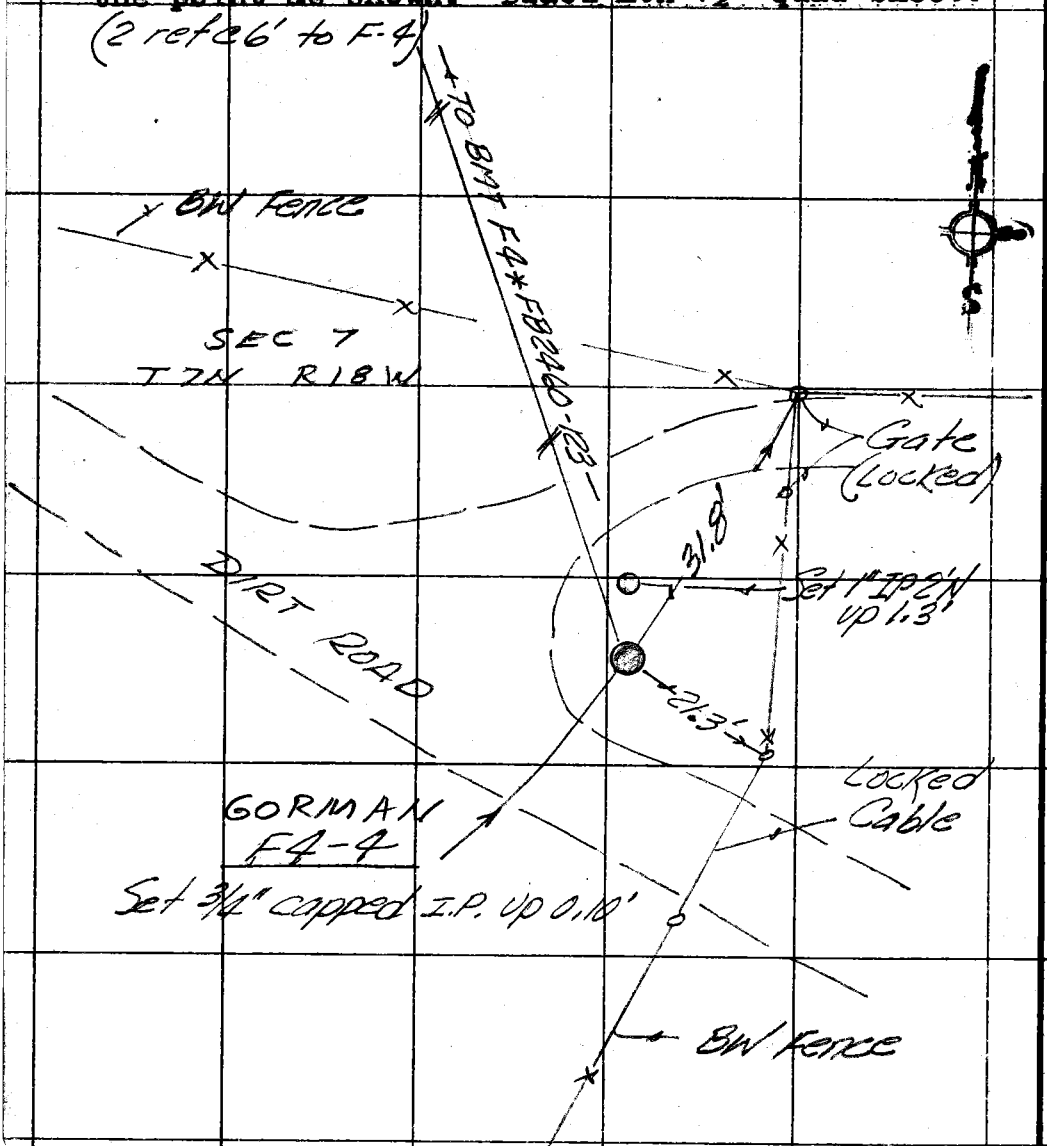
76F309S CE#310 3-68

F. B. 2460 Pg. 194

GORMAN
F4-4 NOT OCCUPIED

AREA: This station is located on the NW portion of LA Co 2500'±E & 2600'±N of the SW corner of section 7, T7N, R18W, and may be reached from the intersection of Hungry Valley and Freeman Cyn rds (600' N of Kinsey Ranch bldgs) by traveling w'ly on Hungry Valley Rd 0.5 miles to a dirt road on the lft: turn sharp lft and travel sely 0.2 miles to a locked cable across the road and the point as shown. Black Mtn 7½' quad sheet.



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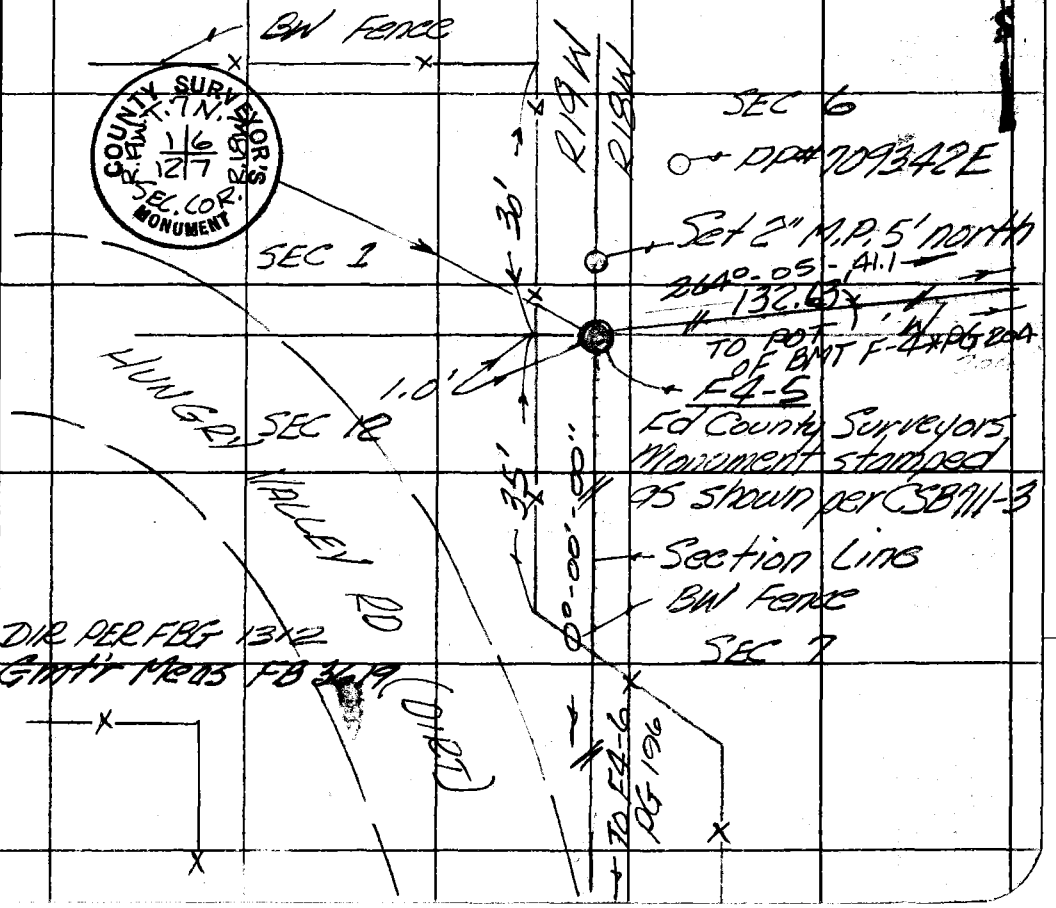
Notes Ck'd by	Survey of NW LA Control	F. B. 2460 Pg. 175
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by Wilson	
Checked	Notes RCW Date 9-25-69	
Date	Indexed C. J. GALLI DEC 18 [illegible]	

GORMAN
F4-5

AREA: This station is located in the NW portion of LA Co and is the section corner common to sections 6,7,1,& 12, T7N, R18W, R19W, and on the range line. The point may be reached from the intersection of Hungry Valley and Freeman Cyn rds (600' N of Kinsey Ranch bldgs) by traveling west on Hungry Valley Rd 0.8 miles to the intersection of Buck Cyn Rd: thence right (N) on ~~Buck Cyn~~ Hungry Valley Rd 0.3 miles toa curve in the road. The point is 30' south of a fence junction as shown. Black Mtn 7½' quad sheet.



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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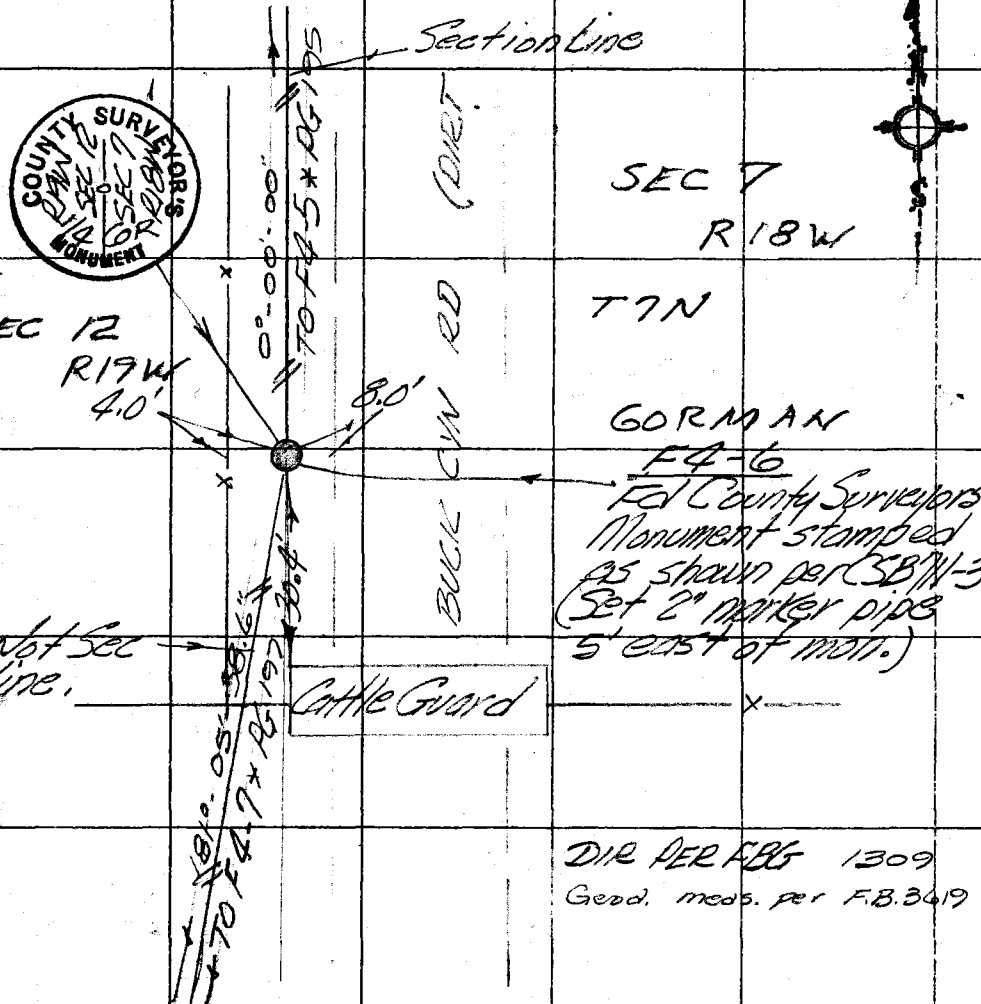
76F3095 CE#310 3-68

F. B. 240 PG 196

GORMAN
F4-6

AREA: This station is located in the NW portion of LA Co and is the ¼ section corner between sections 7 & 12, R18W, R19W, on the range line. The point may be reached from the intersection of Hungry Valley and Freeman Cys Rds (6008 N of Kinsey Ranch Bldgs) by traveling west on Hungry Valley road 0.8 miles to the junction of Bu ck Cyn Road: turn lft (S) and travel upgrade 0.3 miles to a cattle guard. The point is 30.4' ± north of the cattle guard as shown. Black Mtn 7½' quad sheet.



DIR PER FB 1309
Geod. meas. per F.B. 3619

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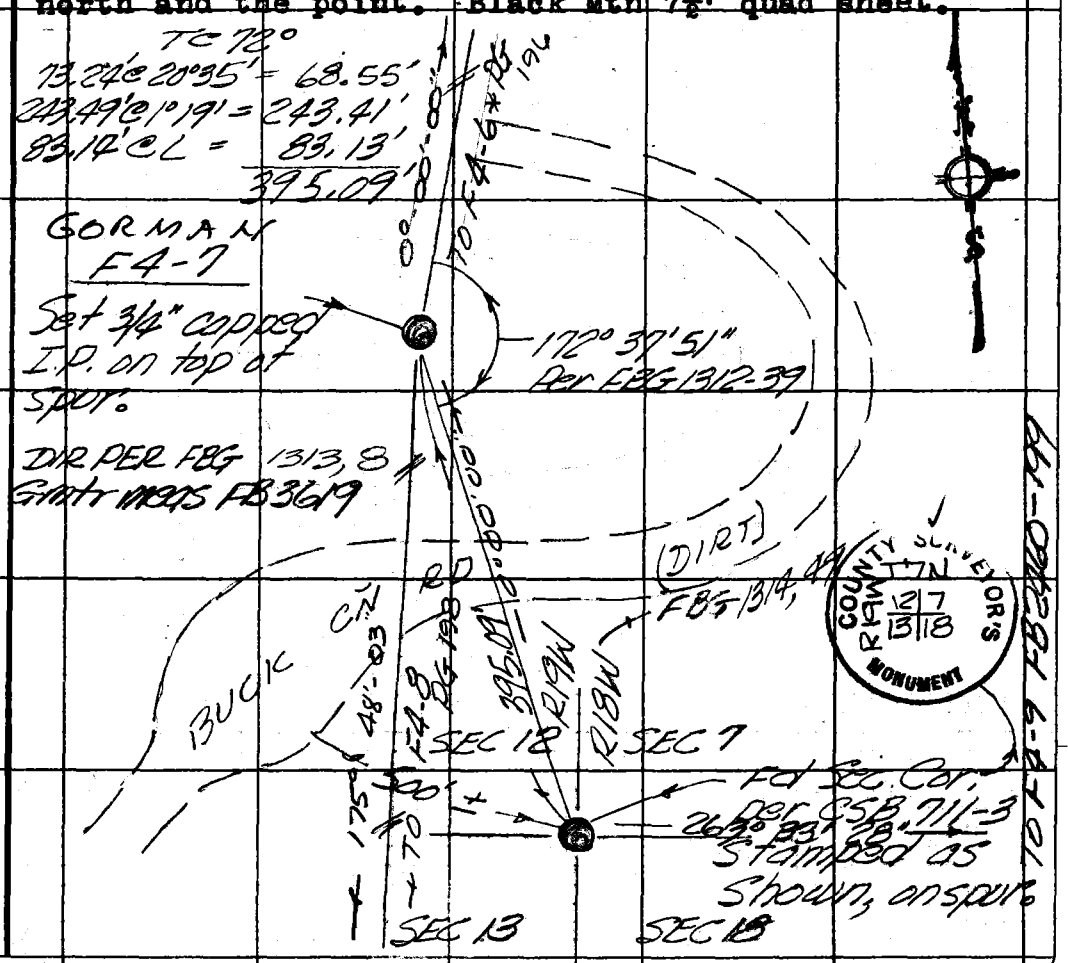
Notes Ck'd by	Survey of NW LA Co Control
Map No.	JN 0301.00 Tape 175 Std 84 °F
Office Work	Surveyed by Wilson
Checked	Notes RCW Date 9-24-69
Date	Indexed C.L. GALLI DEC 18 69

F. B. 2460 PG. 197

GORMAN
F4-7

AREA: This station is located in the NW portion of LA Co 395' N of the SW corner of section 7, T7N, R18W, R19W, slightly west ~~to~~ of the section line. The point may be reached from the intersection of Hungry Valley and Freeman Canyon Roads by traveling west on Hungry Valley Rd 0.8 miles to the junction of Buck Cyn Rd; turn lft (S) and travel upgrade, crossing cattle guard, for 1.1 miles just past a sharp curve in the road. Park and hike 30' up to the top of a small ridge to the north and the point. Black Mtn 7½' quad sheet.



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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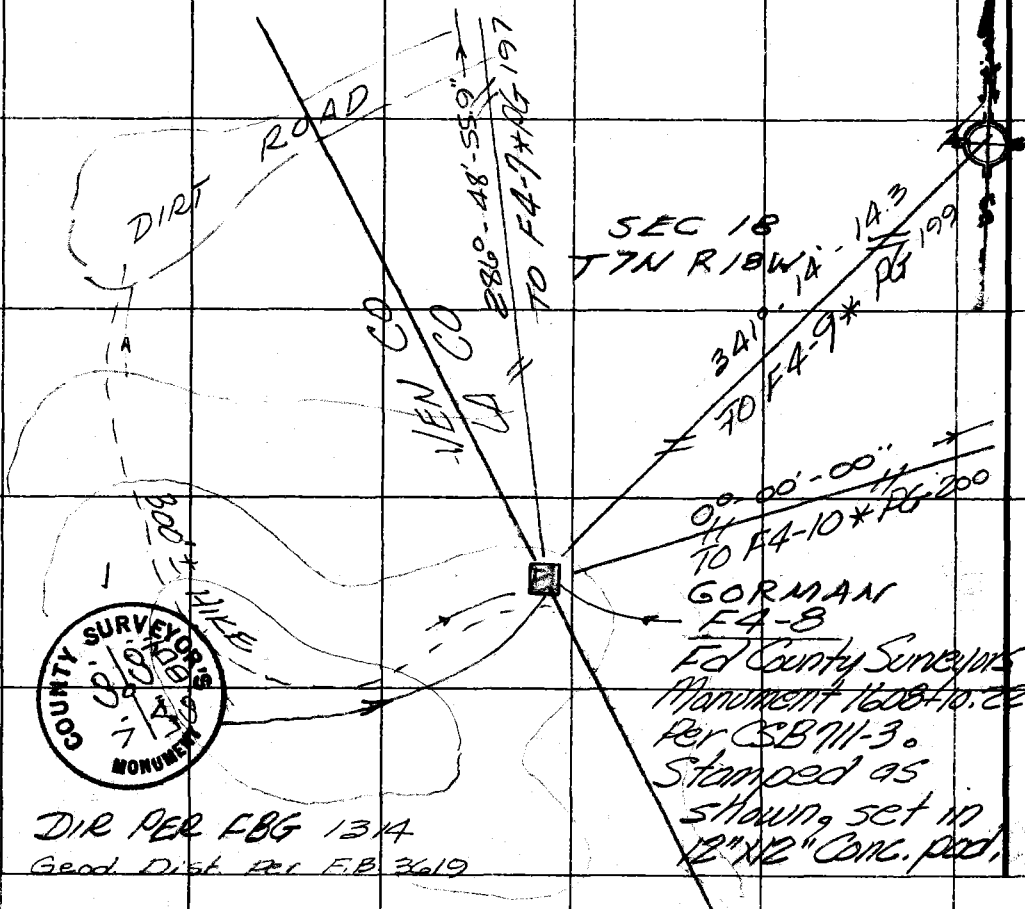
76F309S CE#310 3-68

F. B 2460 PG. 198

GORMAN F4-8

AREA: This station is located in the NW portion of LA Co on the LA VEN Co line at station 1608+10.22 per CSB 711-3 and is 350'± N & 150'± E of the west ¼ cor of section 18, T7N, R18W, R19W. The point may be reached from the intersection of Hungry Valley and Freeman Cyn Rds (600' N of Kinsey Ranch bldgs) by traveling west on Hungry Valley Rd 0.8 Miles to the junction of Buck Cyn Rd: Thence lft (S) on Buck Cyn Rd 0.8 miles upgrade to a draw and traveled tracks on the lft: thence lft (E) down a spur 0.8 miles to a fenced dirt road: thence right (S) on dirt road, which changes direction to s'wly 1.0 miles to the end of the road at a dirt bank. Hike up to the top 300' to the monument, slightly east of the highest point as shown. Black Mtn 7½' quad sheet.



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Notes Ck'd by	Survey of NW LA Co Control
Map No.	JN 0301.00 Tape 224 Std 84 °F
Office Work	Surveyed by Wilson
Checked	Notes ROW Date 9/26/69
Date	Indexed C.J. GALLI DEC 18 '69

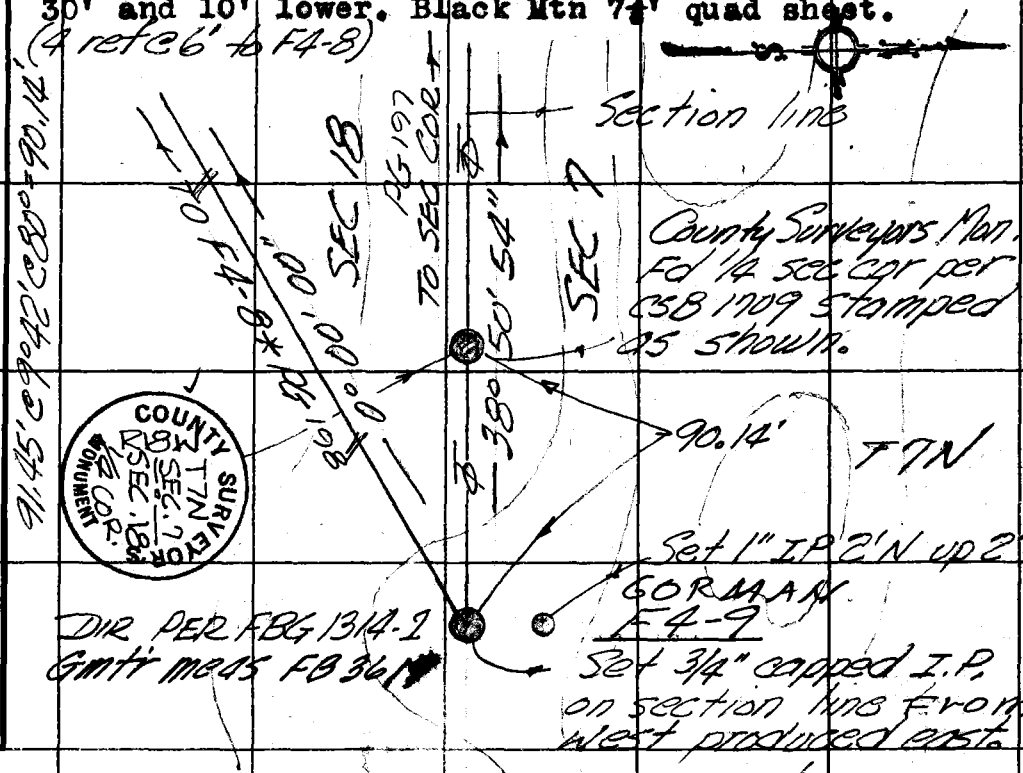
F. B. 2460 Pg. 199

GORMAN

F4-9

AREA: This station is located in the NW portion of LA Co and is the ¼ section corner between sections 7 & 18, T7N, R18W, per CSB 1709 and may be reached from the intersection of Hungry Valley and Freeman Cyn Rds (600' N of Kinsey Ranch Bldgs) by traveling west on Hungry Valley Rd 0.8 miles to the junction of Buck Cyn Rd: thence lft (S) on Buck Cyn Rd 0.8 miles upgrade to a draw and traveled tracks on the lft: thence lft (E) down a draw and spur 0.8 miles to a fenced dirt road: turn right (S) on dirt road, which changes direction to s'wly 0.35 miles to the end of a fence line on the right (N) leave road and pass around end of fence and travel cross country 0.2 miles to the top of a small spur: turn right (E) and travel top of spur 0.1 miles to high point. The point is to the lft 30' and 10' lower. Black Mtn 7½' quad sheet.

(4 ref @ 6' to F4-8)



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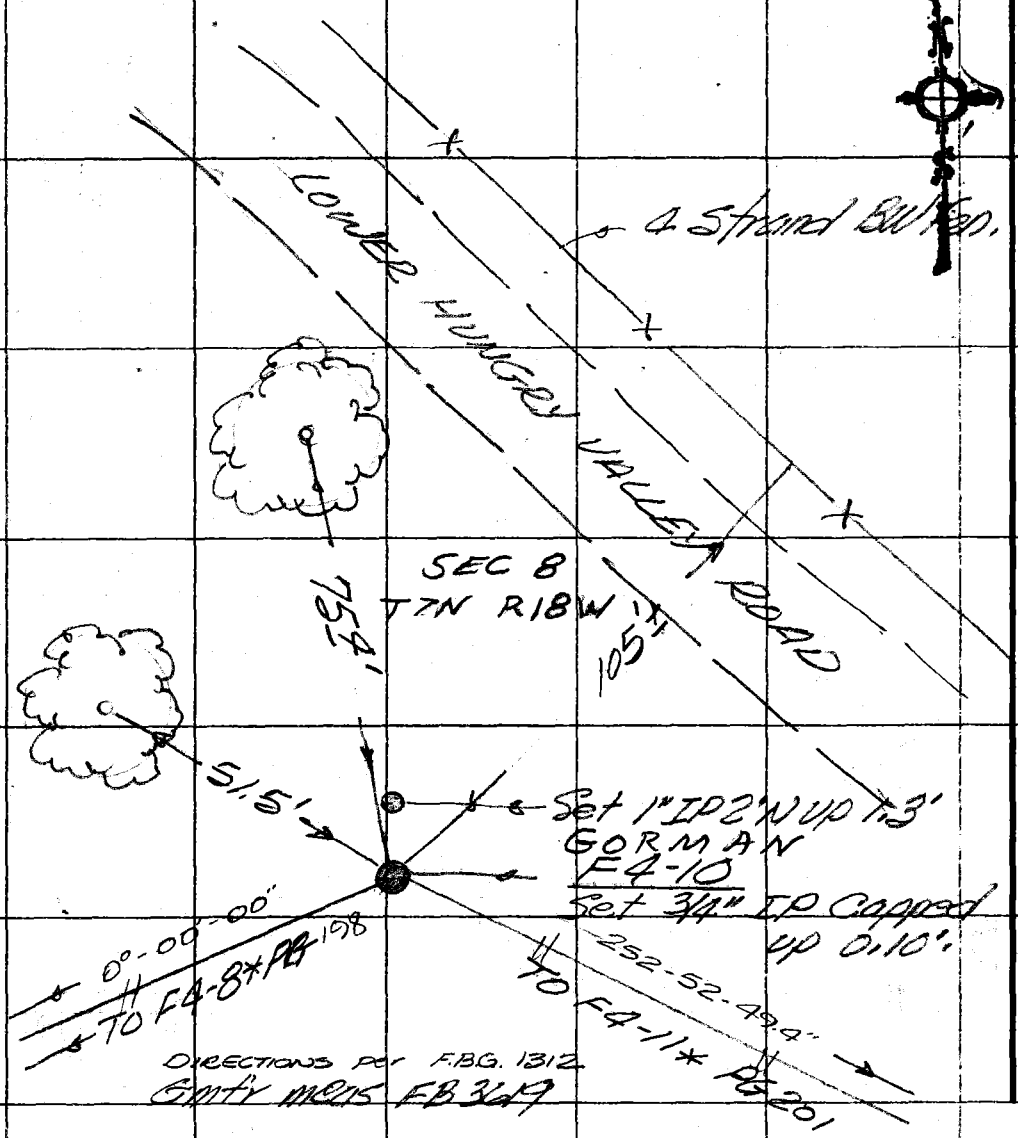
76F309S CE#310 3-68

F. B. 2460 PG 200

GORMAN

F4-10

AREA: This station is located in the NW portion of LA Co 1600'±E and 350'±N of the SW cor of section 8, T7N, R18W, & 105' SW of Hungry Valley Rd as shown and may be reached from the intersection of Hungry Valley and Freeman Cyn Rds by traveling south east on Hungry Valley Rd 0.8 miles. The point is on the right (sw'ly). Black Mtn 7½' quad sheet.



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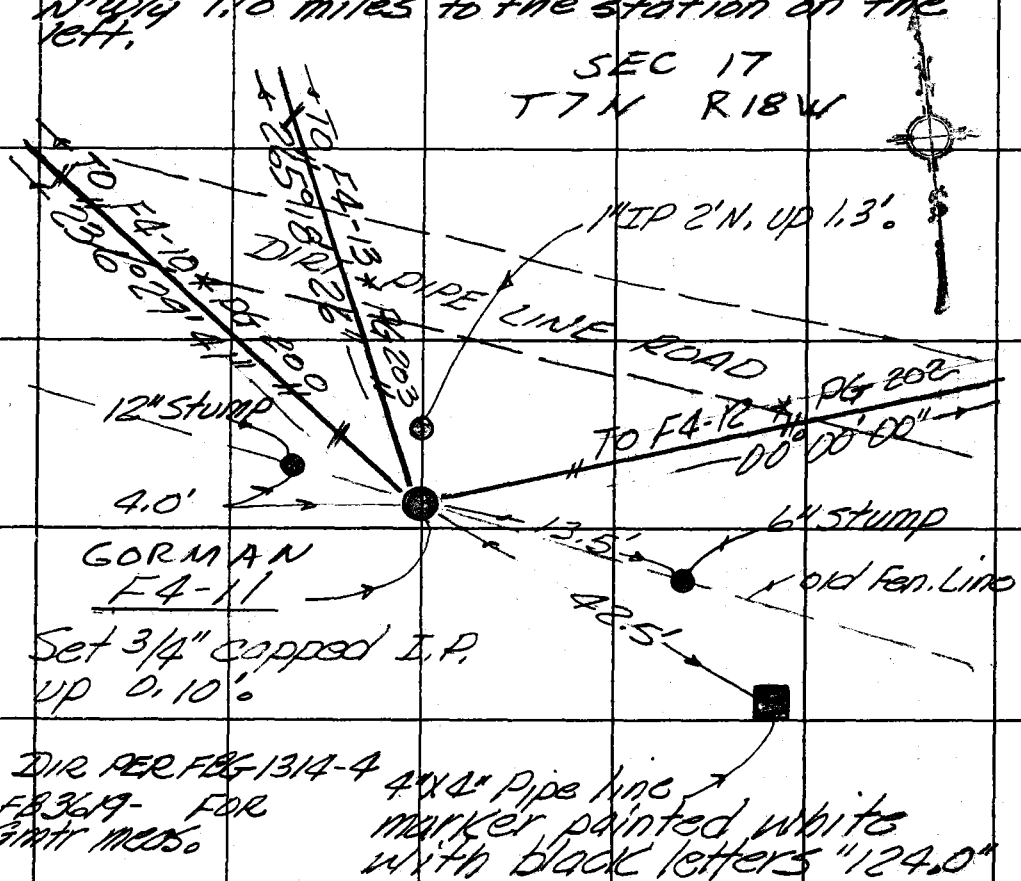
Notes Ck'd by	Survey of NWLA Co Control F. B. 2460 PG. 201
Map No.	JN Tape Std °F
Office Work	Surveyed by Wilson
Checked	Notes RCW Date 9-29-69
Date	Indexed C. L. GALLI DEC 15 69

GORMAN
F4-11

AREA: This station is located in the NW portion of LA Co 2150' W and 1300' S of the north east corner of section 17, T7N, R18W, (Lower Hungry Valley) and may be reached from old Hwy 99 at the road maintenance station located at 42800 north golden state hwy as follows: cross bridge and 500' north turn lft across highway and pass thru locked gate (L- Key): follow dirt road ~~n~~/ n'ly 0.2 miles and cross bridge: continue n'ly 1.~~4~~2 miles and cross second bridge: continue n'ly 0.4 miles & pass thru open gate: thence N'wly 1.10 miles to the station on the left.



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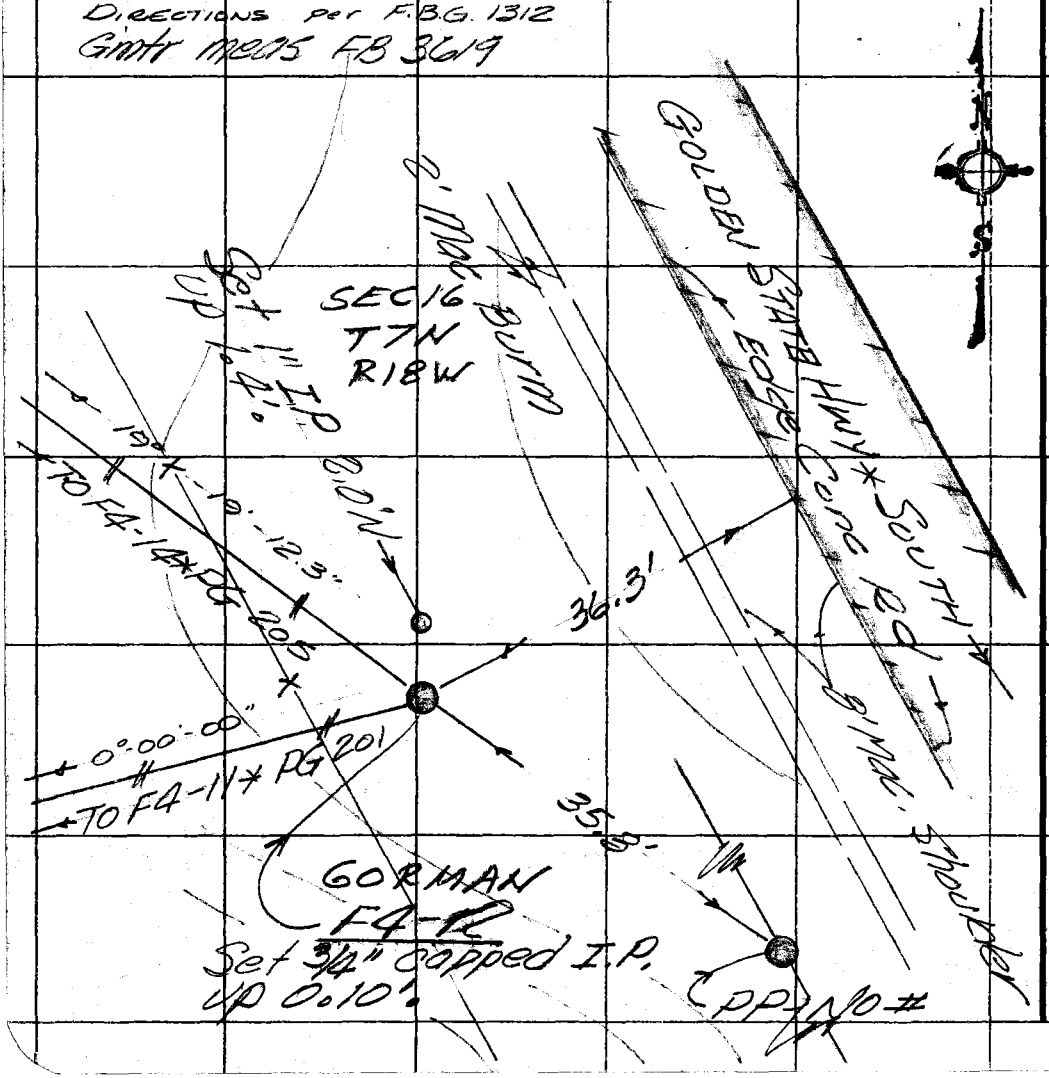
76F309S CE#310 3-68

F. B 2460 PG. 202

GORMAN
F4-12'

AREA: This station is located in the NW portion of LA Co. 1900'±E and 1000'±S of the NW corner of section 16, T7N, R 18W, and may be reached from the intersection of Copco Road and Golden State Hwy (99) by traveling s'ly on Golden State Hwy 0.2 miles. The point is 36' w'ly from the edge of the traveled road as shown. Black Mtn 7½' quad sheet.

DIRECTIONS per F.B.G. 1312
Gmtr meas FB 3619



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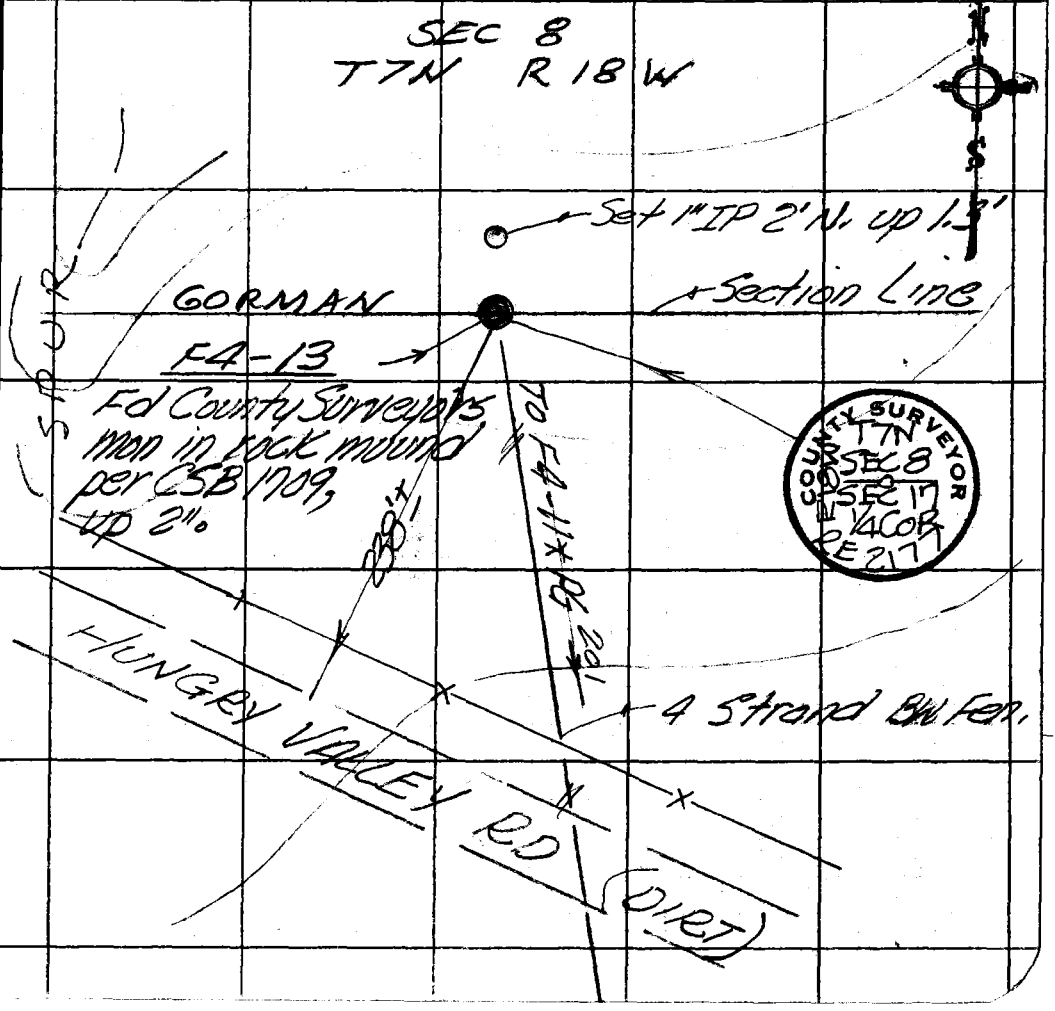
Notes Ck'd by	Survey of N/W LA Co Control
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by Wilson
Checked	Notes KCW Date 9-30-69
Date	Indexed C. L. GALLI DEC 18 '69

F. B. 2460 PG. 203

GORMAN
F4-13
NOT OCCUPIED

AREA: This station is located in the NW portion of LA Co and is the ¼ section corner between sections 8 & 17, T7N, R18W, and may be reached from the intersection of Hungry Valley and Freeman Cyn Rds (600' N of Kinsey Ranch bldgs) by traveling s'ely on Hungry Valley Road 1.0 miles to a small open area to the 1ft between two ridges. The corner is 240'±n'ely from the road. Black Mtn 7½' quad sheet.



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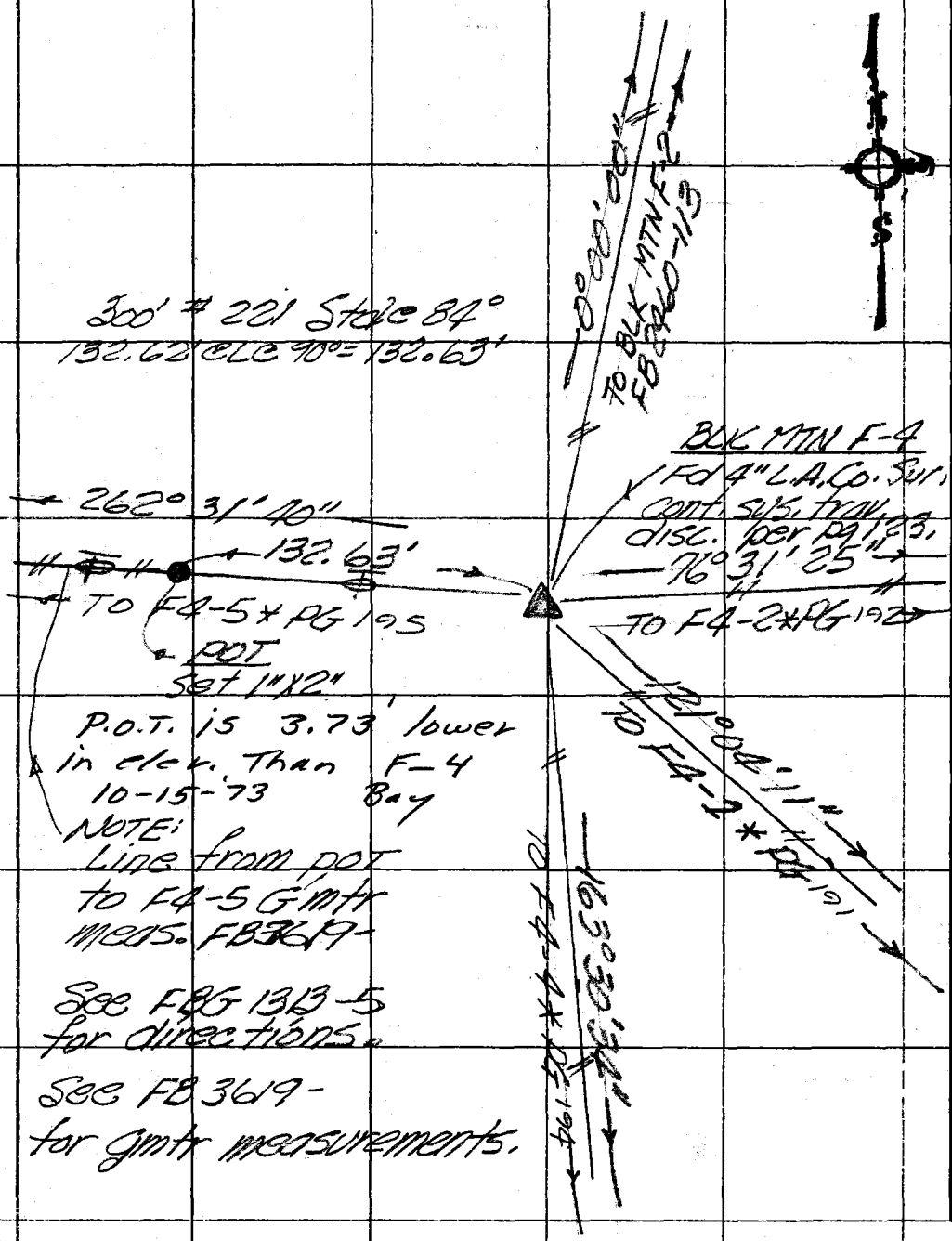
76F309S CE#310 3-68

F. B 2460 PG 204

DIRECTIONS @ BLACK MTN F-4'

See FB 2460-123 FOR LOCATION



P.O.T. is 3.73' lower in elev. Than F-4
10-15-73 Bay

NOTE:
Line from POT to F4-5 Gmtr meas. FB 3619-

See FBG 1313-5 for directions.

See FB 3619- for gmtr measurements.

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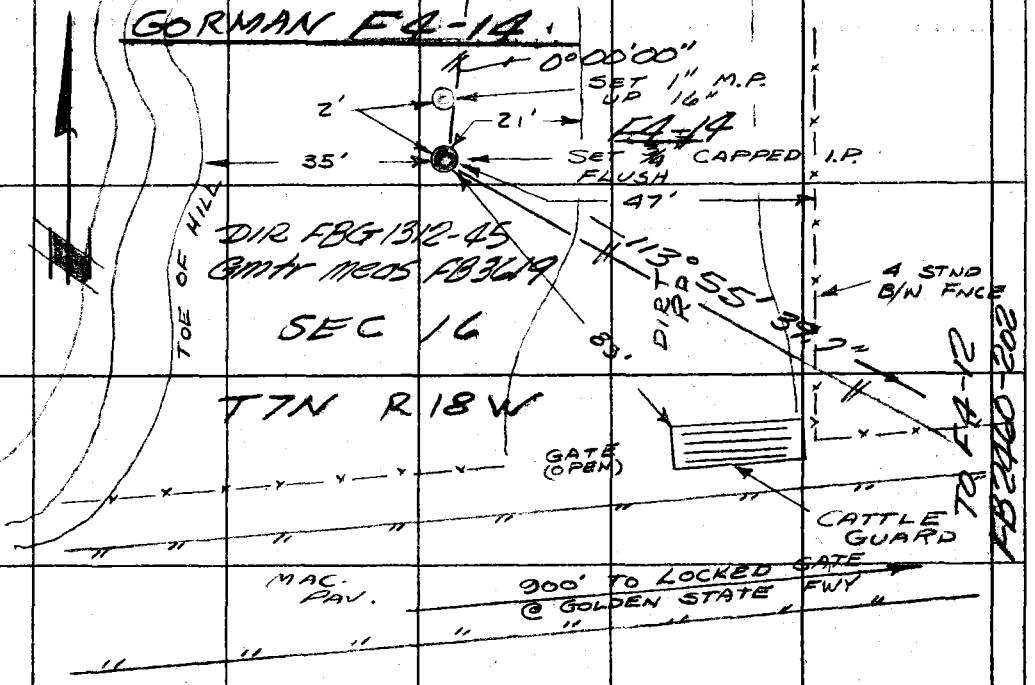
Notes Ck'd by	Survey of N.W. L.A. Co. CONTROL F. B. 2460 Pg. 205
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. WILSON
Checked	Notes C. ADAMS Date 8-20-68
Date	Indexed D. J. GALLI DEC 18 '68

TO I3|-4 FB2460-215

GORMAN F4-14



AREA: THIS PHOTO CONTROL POINT IS LOCATED IN N.W. LOS ANGELES COUNTY, IN LOWER HUNGRY VALLEY 700'± S. OF & 1000'± E. OF THE N.W. COR OF SEC 16, T.7N., R.8 W. USE U.S.G.S. 7½' BLACK MTN QUAD SHEET.

ROUTE: FROM THE JUNCTION OF GOLDEN STATE FWY & LOWER HUNGRY VALLEY RD TRAVEL W,Ly ACROSS A CATTLE GUARD 0.15 MI TO A "Y" TURN LFT (S,Ly) & TRAVEL 0.3 mi TO 2ND CATTLE GUARD. POINT IS 90'± N.W.Ly OF CATTLE GUARD.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

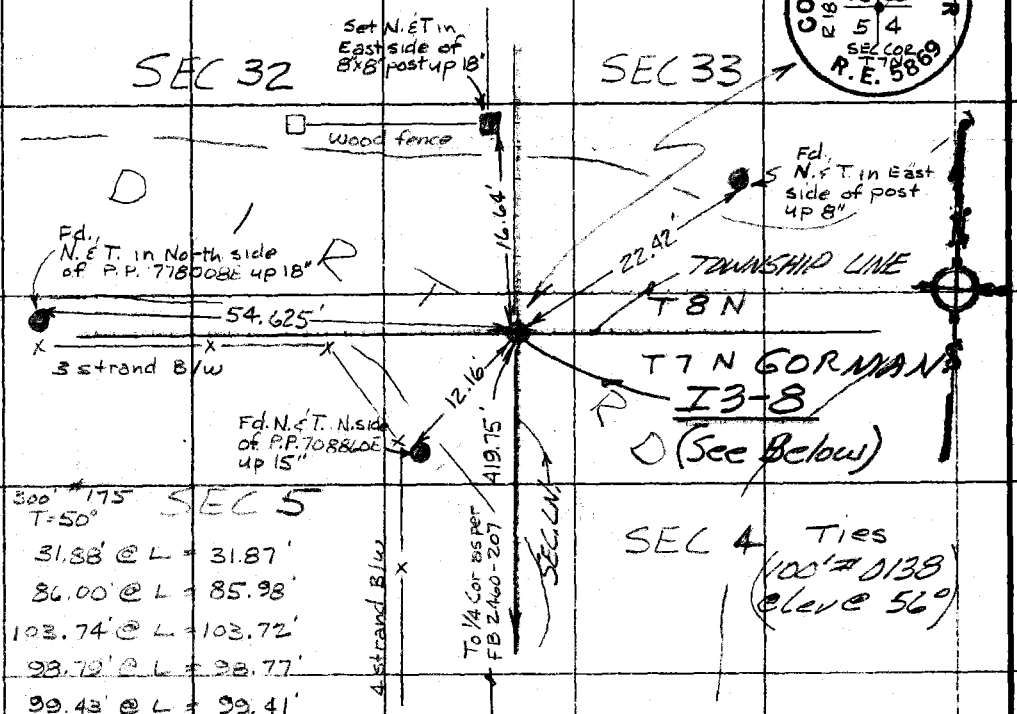
16F309S CE#310 3-68

F. B 2460 Pg 206

GORMAN

I 3-8

COUNTY ENGINEER
T 8 N
R 18 W | 32 | 33 | 5 | 4 | SEC COR T 7 N
R.E. 5869



300 # 175
T = 50°

31.88' @ L = 31.87'
86.00' @ L = 85.98'
103.74' @ L = 103.72'
98.79' @ L = 98.77'
99.43' @ L = 99.41'
419.75

AREA: This photo control point is located in N.W. Los Angeles County, and is the N.W. Cor of Section 4, T7N, R18W. Use U.S.G.S. 7½' Black Mtn. Quad sheet.

ROUTE: From the junction of old Hwy 99 & Copco, travel N. on old Hwy 99 0.5 mi., thence left (W) on Peace Valley Rd. 0.2 mi, thence Rt (N) 1.0 mi. to end of pavement, continue N. 0.1 mi on dirt rd. to corner.

MARK: Fd a 2½" LA Co. Engr. brass disc stamped as shown above, down 1' and set in a 6" conc. post, per CSB 1709.

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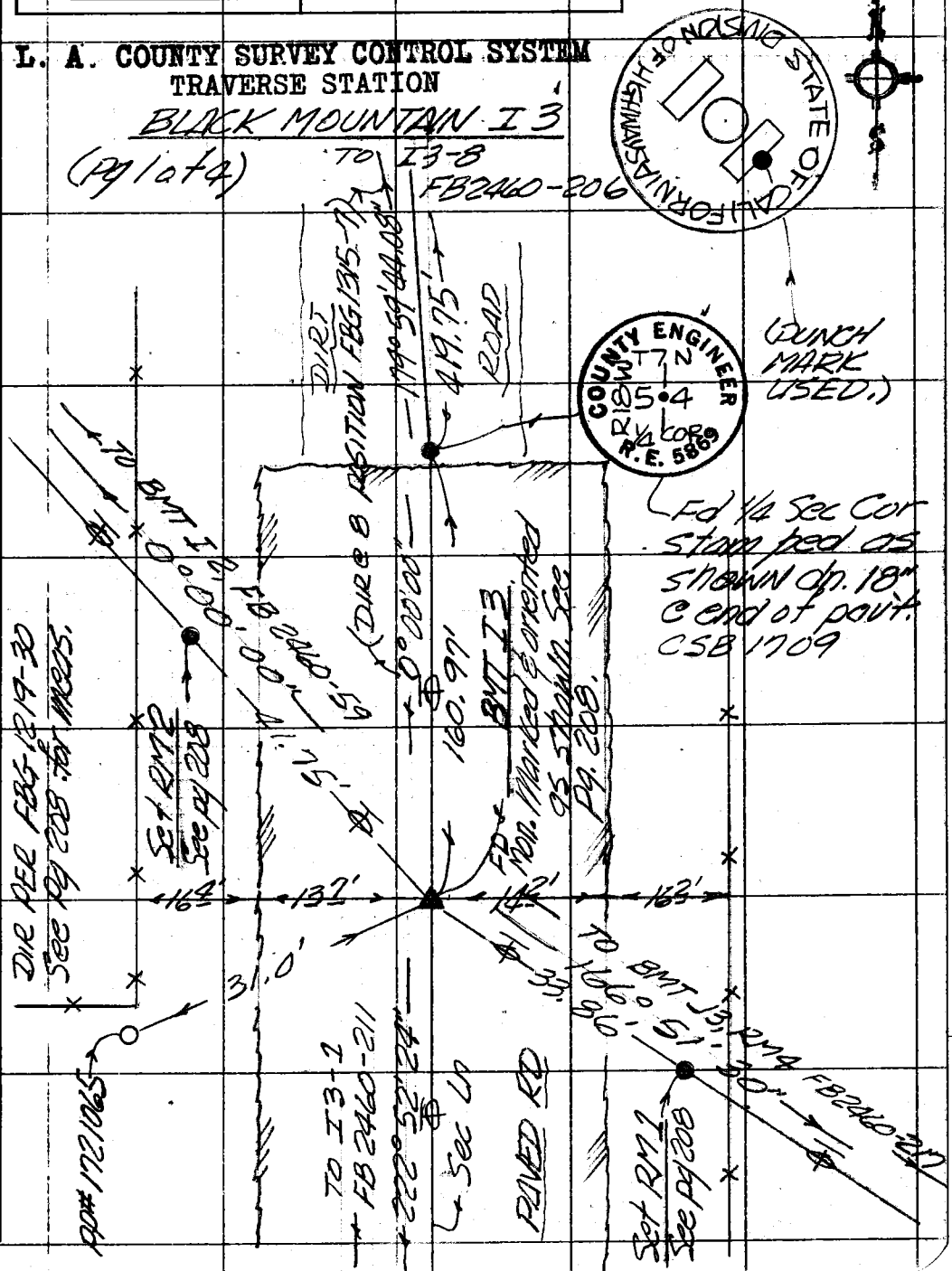
Notes Ck'd by	Survey GEODETIC CONTROL
Map No.	JN 0201.08 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 1-28-69
Date	Indexed C. L. GALLI DEC 18 '69

F. B 2460 PG. 207

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BLACK MOUNTAIN I 3

(Pg 1 of 4)



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76F309S CE#310 3-68

L A COUNTY SURVEY CONTROL SYSTEM

F. B. 2460 PG. 208

TRAVERSE STATION
GEODETIC CONTROL
BLACK MOUNTAIN I 3
(pg 2 of 4)

MEASUREMENTS

300' #221	Level at 48° 50 Mtr M3
~~75.14' = 75.12'~~	~~22.903m = 22.897m = 75.12'~~
41.76' = 41.75'	12.729m = 12.726m = 41.75'
33.87' = 33.86'	10.325m = 10.322m = 33.86'
161.01' = 160.97'	

AREA: This traverse station is located in the NW portion of Los Angeles County, in the Gorman area, 160.97' south of the ¼ section corner between sections 4 & 5, T7N, R18W and is on the section line.
Black Mtn 7½' quad sheet.

ROUTE: From the junction of Copco Rd. and Golden State Hwy, travel north on Golden State Hwy 0.5 miles to a paved road on the left: Cross over south bound lanes and travel west 0.2 miles, then north 0.9 miles to the station located in the middle of the paved road, 161' south of the end of pav't.

STATION MARK: A State of California Division of Highways 2½" brass disc with no stamping except a punch mark off center, which was used, set in conc. down 10", and protected by a cast iron cap flush with the pav't.

REFERENCE MARKS:

RM 1: A 4" LA County Survey Control System brass reference mark disc stamped "BLACK MTN I-3 RM 1 1969 RE 5869" and set in a 6" conc. post up 1". The RM was set on line to BMT J 3, RM No 4.

RM 2: Same as RM 1, except stamped "RM 2" and set on line to BMT I 2.

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

Survey GEODETIC CONTROL F. B. 2460 PG. 209
JN 032.22 Tape Std °F
Surveyed by R. C. Wilson
Notes R. C. Wilson Date 1-28-69
Indexed C. L. GALLI DEC 13 '69

L A COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BLACK MOUNTAIN I 3

(pg 3 of 4)

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76F309S CE#310 3-68

F. B. 2460 PG. 210

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BLACK MOUNTAIN I3

(Pg 4 of 4)

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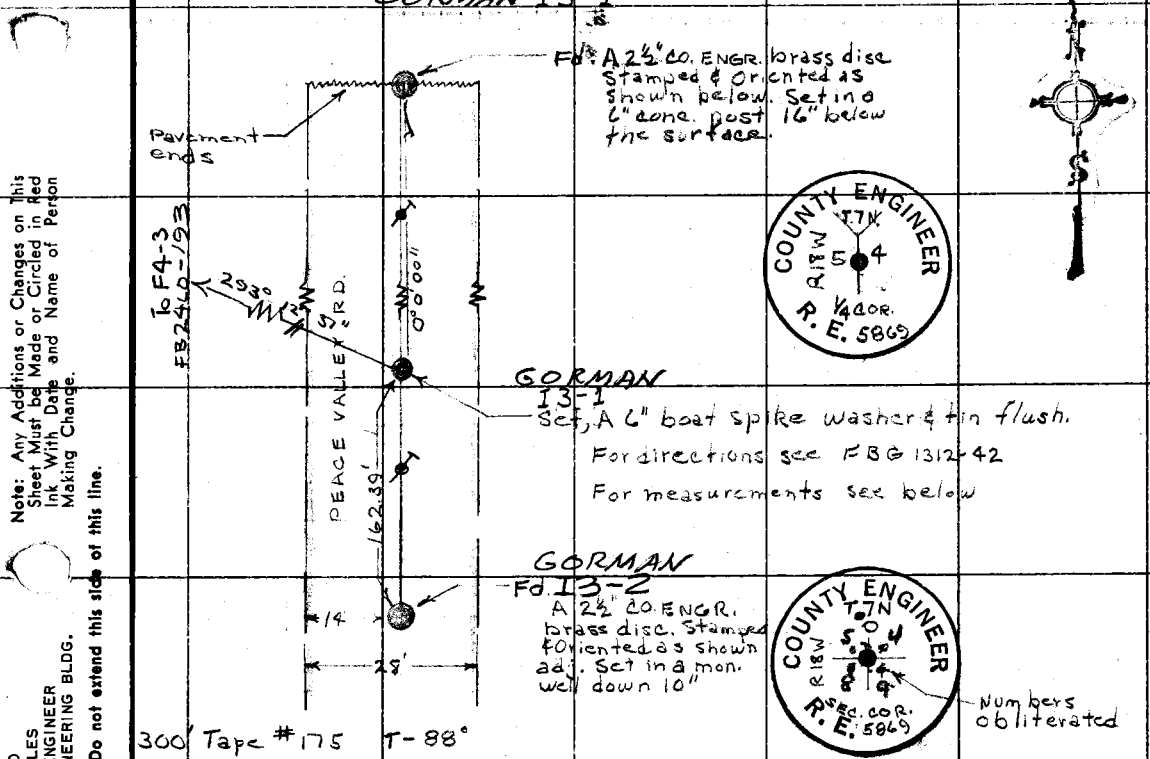
Notes Ck'd by	Survey of N.W. L.A. CO. CONTROL
Map No.	UN 9301 Loc. Tape 175 Std 88 °F
Office Work	Surveyed by RANDALL
Checked	Notes C. PYLE Date Sept 1969
Date	Indexed D.L. GALLI DEC 18 '69

F. B. 2460 PG. 211

GORMAN I3-1



300' Tape #175 T-88°

162.39' @ Level = 162.39'

AREA: This point is located in N.W. L.A. CO. in PEACE VALLEY on the approximate ℄ of PEACE VALLEY RD. 162'± N. & 20' E. of W. of the S.W. Cor. of Sec. 4, T7N, R18W. See USGS 7½' sheet "BLACK MTN." Quad. 1958

ROUTE: From the junction of old HWY. 99 & COPCO travel N. on 99 for 0.50 miles, turn left (W) onto PEACE VALLEY RD. and after 0.20 miles turn right (NLY). Proceed 0.50 miles + 162' and alight at the point.

NOTE: See F.B.G. 1312-42 For DIRECTIONS
Gmtr Meas FB 3619

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76F3095 CE#310 3-68

GORMAN

F. B. 2460 PG 212

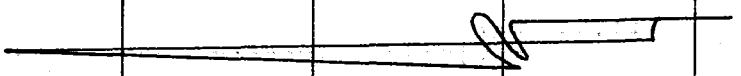
I-3-6

NOT OCCUPIED

AREA & ROUTE:

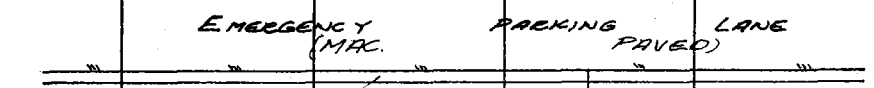
This point is located in the N.W. Portion of Los Angeles County, In the Caswell Area. 1250'± West of a North - South Boundry Line of The Angeles National Forest, 1350'± East & 2300'± South of the N.W. Cor. of Sec. 33, T8N - R18W. S.B.M. See U.S.G.S. 7½ min. Sheet "BLACK MTN, CALIF" 1958.

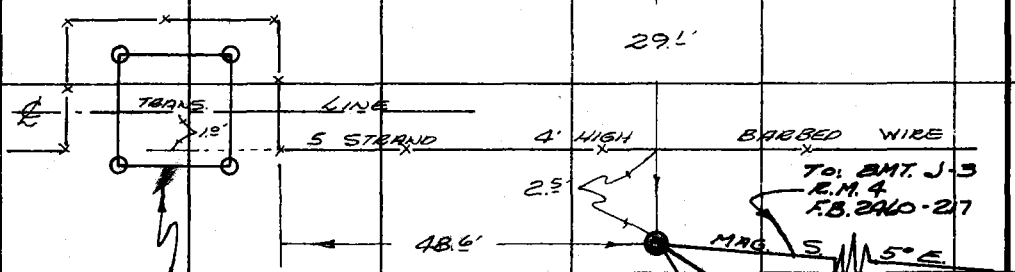
Drive 1.9 miles South on Interstate 5, From Quail Lake Road, Station is on the West edge of Frw. R/W.



INTERSTATE 5

1.9 mi. to Quail Lake Road





TO: BMT. J-3
R.M. 4
F.B. 2460-217

S.C. EDISON CO.
TRANSMISSION
TOWER, (No Number)

GORMAN
I-3-6

FOUND:
A U.S.C.&G.S. BENCH
MARK DISK, Stamped
As shown at left.

TO: BMT. I-3
F.B. 2460-207
(See F.B. 3619 For Geodimeter Dist.)

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Geodetic Control

Notes Ck'd by	Survey of N.W. LA Co
Map No.	JNO 30100 Tape 175 Std 84 °F
Office Work	Surveyed by Wilson / Randall
Checked	Notes JDR Date 28 Jan 69
Date	Indexed C. L. GALLI DEC 1 5 '69

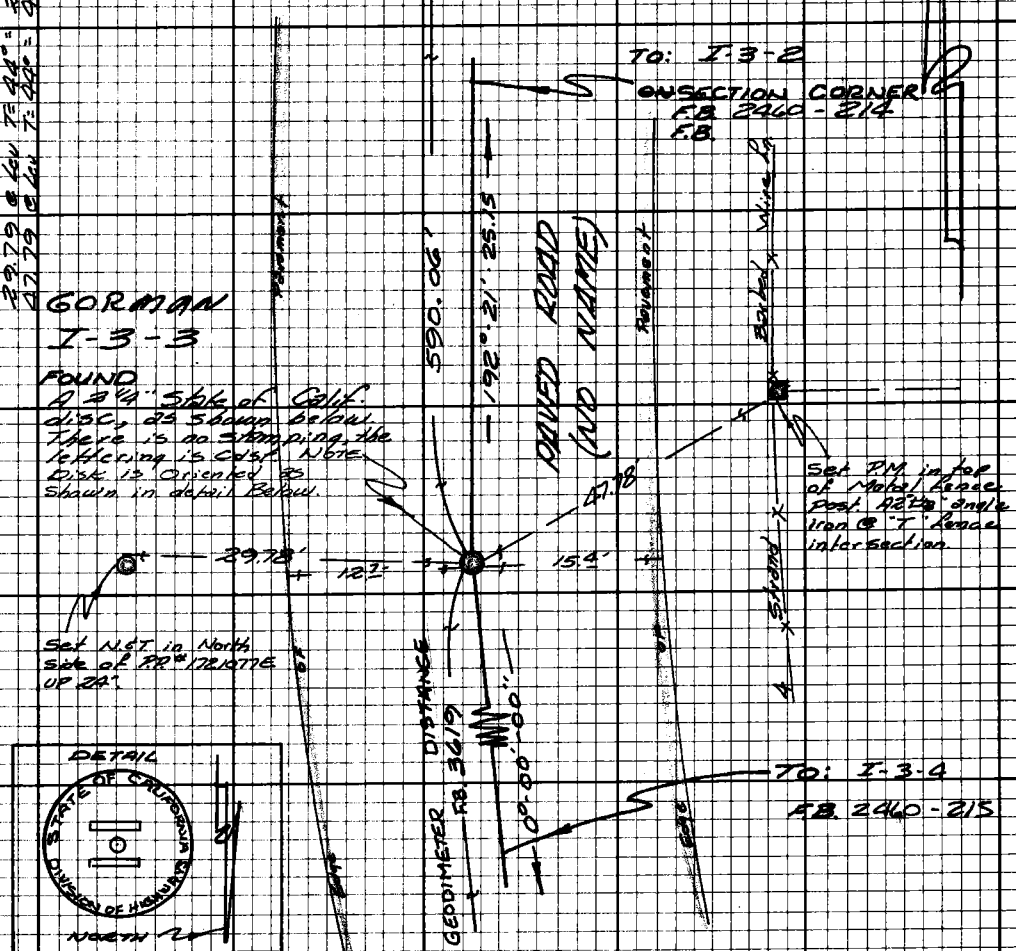
F.B. 2460 PG. 213

GORMAN I-3-3

NOTE: See F.B.G. 1314-38 for directions.

CONTINUED BOTTOM PG. 214

TAPE No. 175
29.79 @ Lev T=44° = 29.78'
47.79 @ Lev T=44° = 47.78'



ROUTE

From Copco Rd & Hwy 99 follow 99 N. 0.5 miles to paved rd on 1 ft. - turn [illegible] & follow paved rd wly, [illegible] wly 0.4 miles to the point.

TO I-3-4 Pg. 215

FOR DIRECTIONS SEE F.B.G. 1314

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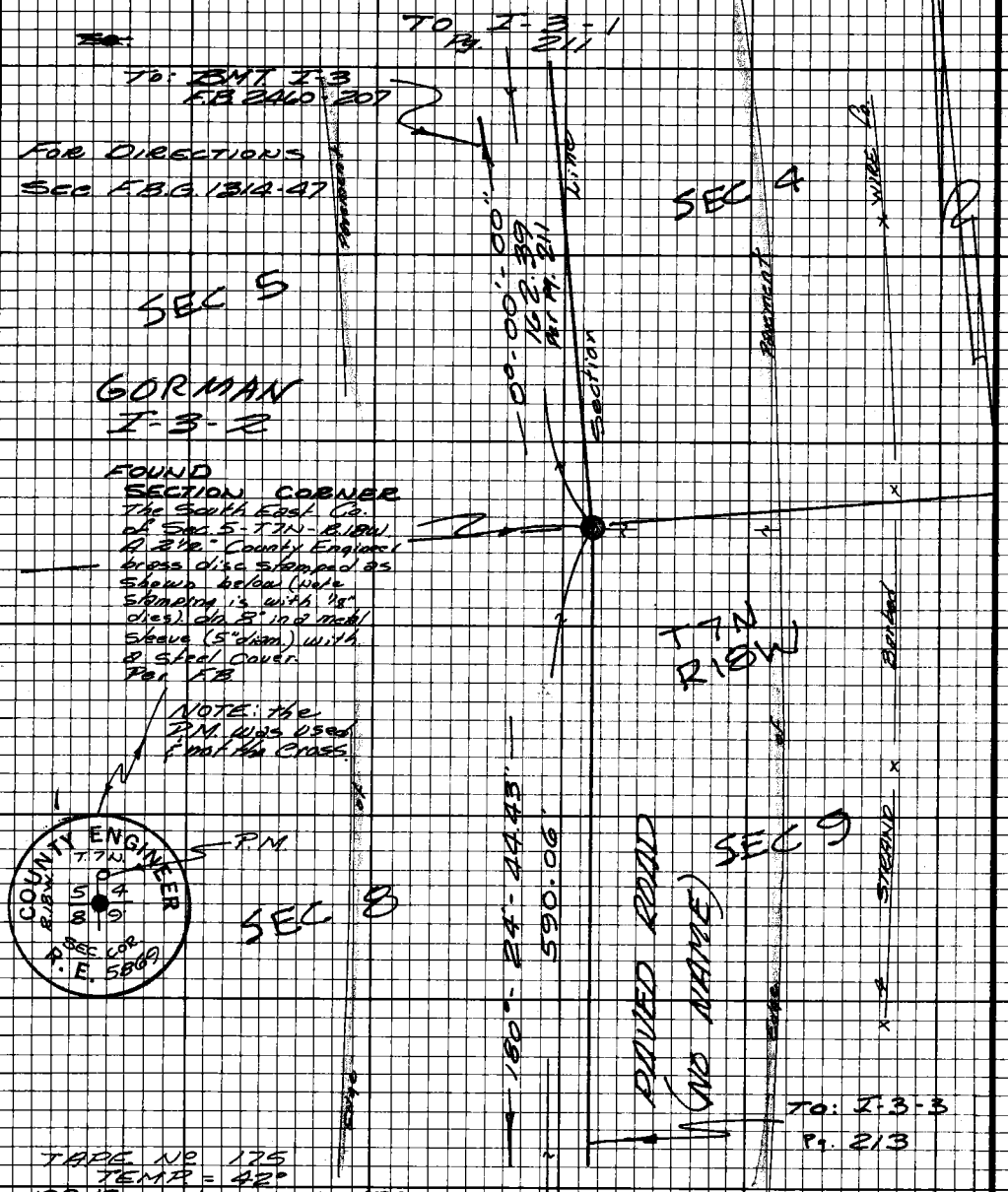
76E3098 CE#310 9.67

F.B. 2460 Pg. 214

GORMAN
I-3-2

NOTE: See pg. 213 for route



TAPE No 175
TEMP = 42°

198.13 @ Lev.	199.475
200.145 " "	199.75
191.91	190.955
590.185	590.180
-0.16	-0.16
590.025	590.020
+0.04	+0.04
590.065	590.060

Above (left) measurement was made to the + at the center of the brass disc. The +0.04' is to the P.M., which is the actual Section Corner.

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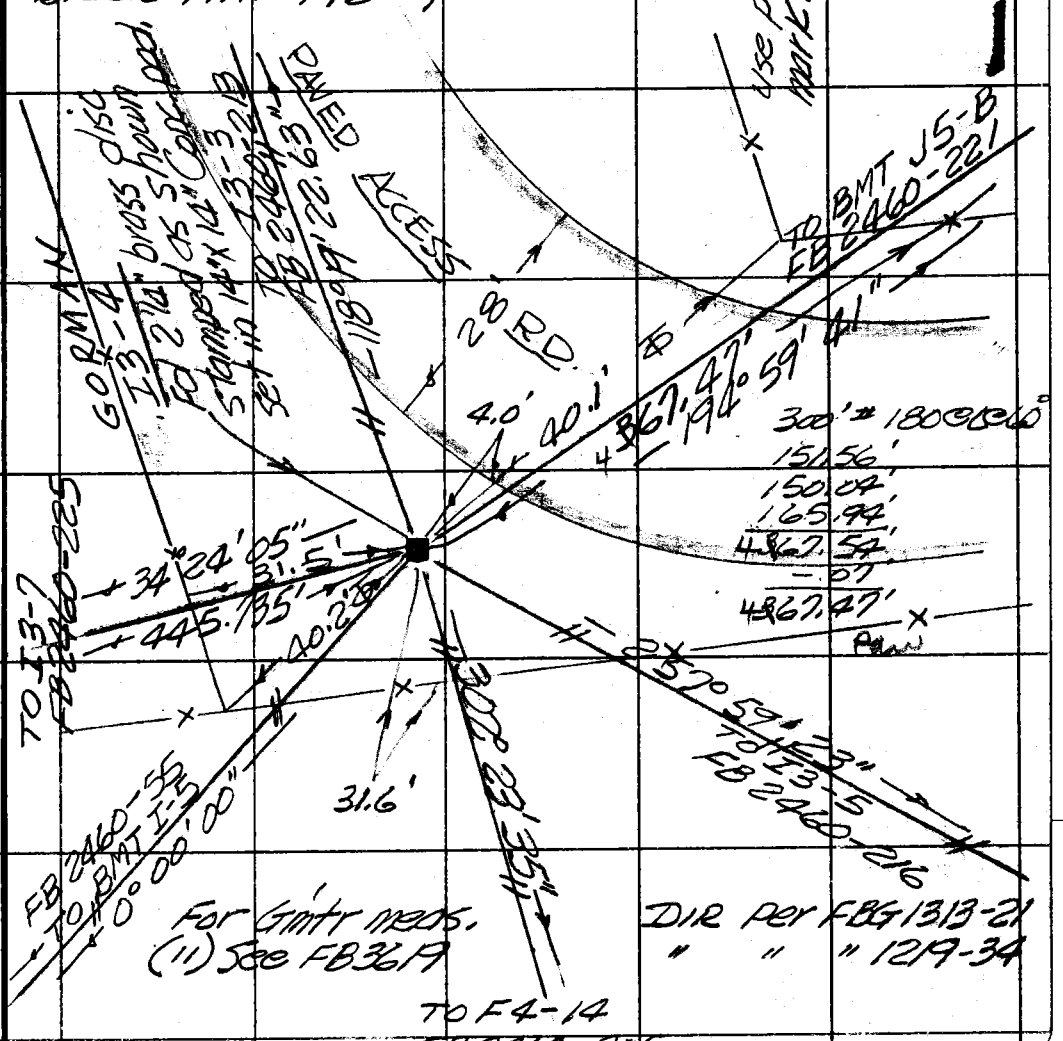
Notes Ck'd by	Survey of Geod. Control
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RW Date 1-28-69
Date	Indexed C. L. GALLI DEC 18 '69

F. B. 2460 PG. 215

STATE OF CALIFORNIA DIVISION OF HIGHWAYS

GORMAN I3-4'

ROUTE: From Hwy 99 @ Copco Rd. travel n'ly on 99 0.5 miles to paved rd to 1ft (W) turn 1ft to bend in rd to pt. on the 1ft. 445'E of the west 1/4 cor. of sec. 9, T7N, R19W
Black Mtn 7 1/2' Quad sheet



For Gmtr meas. (11) See FB 3619

DIR Per FBG 1313-21
" " " 1219-34

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76F309S CE#310 3-68

F. B. 2460 PG. 216

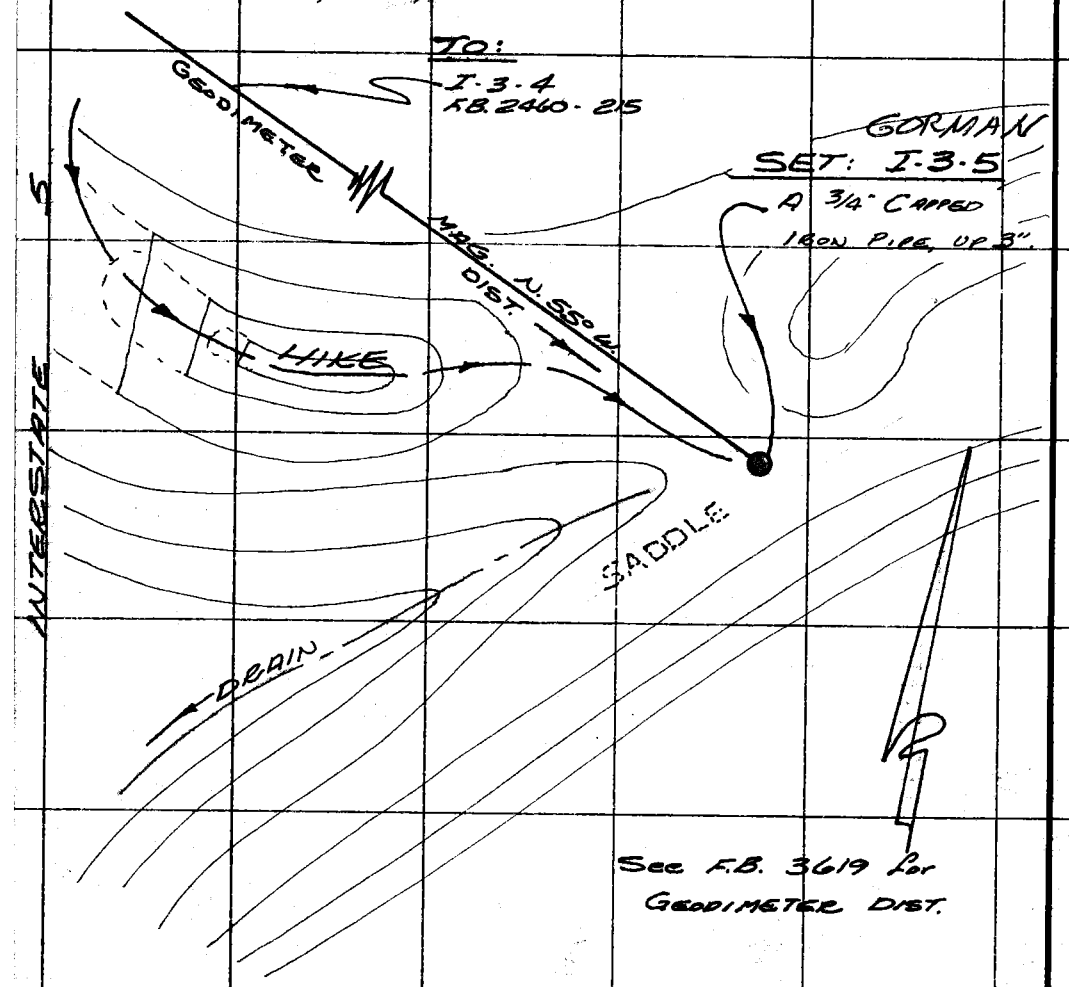
GORMAN
I-3-5

ROUTE & AREA: NOT OCCUPIED

This point is located in Los Angeles County (N.W. Portion), in the Angeles National Forest, Castaic Area, 1800'± East of a North-South Boundry line of the National Forest. 300'± North & 1800'± West of the S.E. Cor. of Sec. 9-7N, R18W. S.B.M. See U.S.G.S. 7½ min. Sheet "BLACK MTN., CALIF." 1958.

North bound on Interstate 5 @ Copco Rd. offramp, turn right (East) on Copco Rd and park just East of the Frw. Hike Southily (parallel to the Frw. fence) to the bottom of a cut slope. Walk up cut slope, Eastly direction about 300' to the top, then continue 300'± to a saddle. The point is in this saddle at the head of a fairly large drain.

TO:
I-3-4
F.B. 2460-215



See F.B. 3619 for GEODIMETER DIST.

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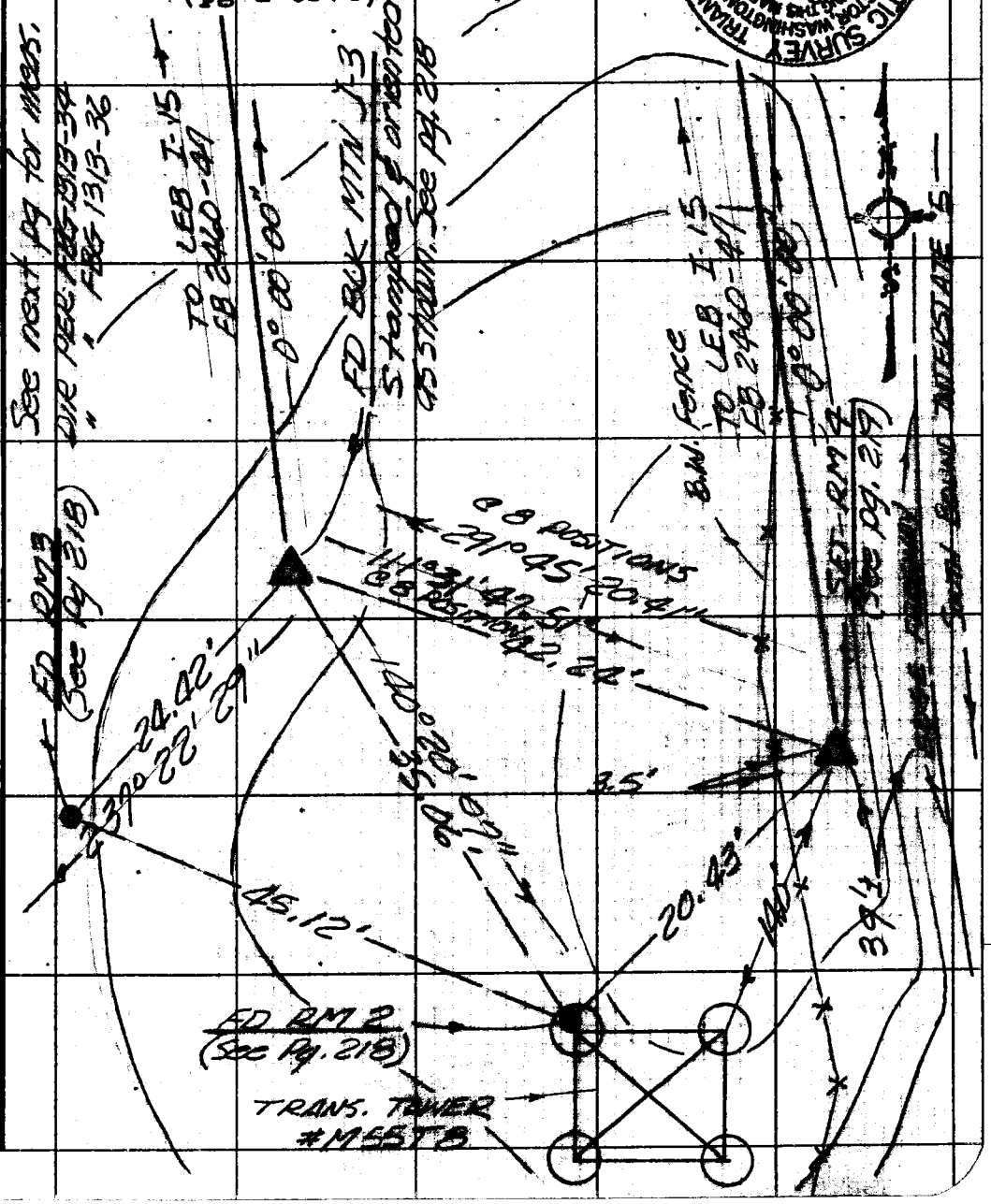
Notes Ck'd by	Survey of Geodetic Control
Map No.	0301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 1/22/69
Date	Indexed C.L. GALLI DEC 18 '69

F. B. 2460 PG. 217

LA COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLACK MOUNTAIN J 3
(pg 1 of 4)



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76F309S CE#310 3-68

LA COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLACK MOUNTAIN J 3
(pg 2 of 4)

F. B 240 PG 218

MEASUREMENTS

300' #221	Level at 56°	50 Mtr M3
35.07' = 35.06'	10.690m = 10.687m	= 35.06'
24.42' = 24.42'	7.445m = 7.445m	= 24.42'
45.13' = 45.12'	13.756m = 13.753m	= 45.12'
	Level at 48°	
~~20.44' = 20.43'~~	~~6.231m = 6.228m~~	~~= 20.43'~~
42.25' = 42.24'	12.879m = 12.876m	= 42.24'

AREA: This triangulation station is located in the NW portion of LA county 5 miles ± s'ely from Gorman, 1200' ± S and 900' ± E of the ~~NW corner of section 4, T7N, R18W, and is~~ marked "2993" on the Black Mountain 7½' USGS quad sheet.

ROUTE: Travel north on Highway 99 from Castaic to the Quail Road off-ramp: (~~0.2 miles n'ly from the Highway 138 junction and 5 miles ± south of Gorman~~) turn right on Quail Lake Rd to the southbound on ramp of the freeway; enter freeway and travel south on Highway 99 2.5 miles to a small knob on the right at the west edge of the freeway. ~~the station is located on the w'ly side of~~ this knob, 41' ± NW of steel trans. tower #M55t8.

STATION MARK: A 4" USC&GS brass triangulation disc stamped "BANK# 2 1949" up 4" and set in a 12"x12" conc pad.

REFERENCE MARKS: RM 1 has been destroyed.

RM2: A 4" USC&GS brass reference mark disc stamped "BANK# NO2 1949" and set in the NW conc. tower footing.

RM3: A 4" USC&GS brass reference mark disc stamped "BANK # no3 1949" up 4" and set on a 2" iron pipe.

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Notes Ck'd by	Survey of Geodetic control
Map No.	JN 0301.00 Date Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 1/22/69
Date	Indexed C.L.GALLI Oct 18 69

F. B. 2460 PG. 219

LA COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
BLACK MOUNTAIN J3
(pg 3 of 4)

RM4: A 4" LA County Survey Control System brass reference mark disc stamped "BLACK MTN J 3 RM4 1969 RE5869" flush and set in a 6" conc. post.

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76F3095 CE#310 3-68

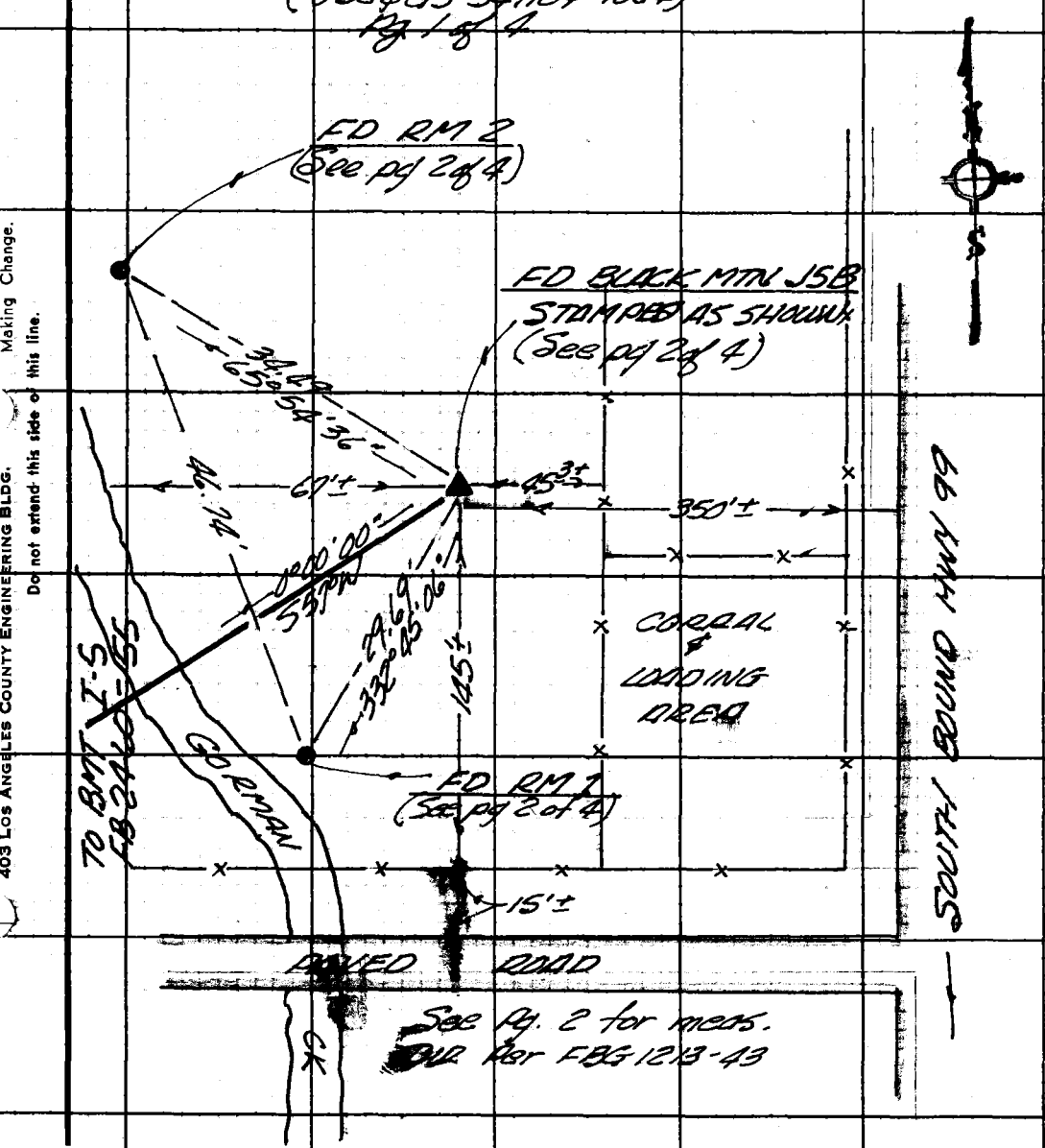
Notes Ck'd by	Survey of Geodetic Cont.
Map No.	JN 0301.00 Tape Std. °F
Office Work	Surveyed by [illegible]
Checked	Notes RDW Date 10.17.68
Date	Indexed G.L. GALLI DEC 13 '68

F. B. 2460 221

U.S. COAST & GEODETIC SURVEY
TRIANGULATION STATION
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C.
$250 FINE OF IMPRISONMENT FOR DISTURBING THIS MARK
DELOS
1965

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN J5B
(USC&GS 341184-1024)
Pg 1 of 4



See Pg. 2 for meas.
Dir Per FBG 1213-43

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76F309S CE#310 1-65

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B 240 Pg. 222

BLACK MTN J5B

Pg. 2 of 4

Measurements

300' # 221	Level C. 70° Temp.	50 Mtr. M-3
34.49' = 34.49'	10.515m = 10.515m =	34.49'
46.74' = 46.74'	14.245m = 14.245m =	46.74'
29.69' = 29.69'	9.049m = 9.049m =	29.69'

Desc: This triangulation station is located in L.A. Co. about 7 miles south of Gorman, 2550'± South and 1000'± east of the N.W. Cor. Sec 9 T7N R18W, 350'± W of south bound Hwy 99 and marked "BM DELOS 2888" on Black Mountain 7½' Quad.

Route: From Castaic travel north on Hwy 99 to Whitaker Summit - continue north 10.0 miles to cross-over & paved road to the left (W) turn left 350'±. Station is 150'± north of fence line, and 67'± east of Gorman Creek.

Station Mark: a 4" USC&GS brass Triangulation disc stamped "DELOS 3 1965" up 5" and set in a 14" conc. post. No record of sub-surface mark.

Reference Marks:

No 1: a 4" USC&GS brass ref. mark disc stamped "DELOS 3 NO 1 1965" up 2" and set in a 14" conc. post.

No 2: Same as NO 1, except stamped "NO 2"

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Notes Ck'd by	Survey of Geodetic Cont.	F. B. 2460 PG. 223
Map No.	JN 0391.00 Tape Std. °F	
Office Work	Surveyed by RCW Ilson	
Checked	Notes RCW Date 10-17-68	
Date	Indexed D. L. GALLI DEC 18 '68	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN JSB
(USC&GS 341184-1024)
Pg 3 of 4

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76F309S CE#310 1-65

F. B. 2460 Pg. 224

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

BLACK MTN. J-5B
Pg. 4 of 4 Pgs.

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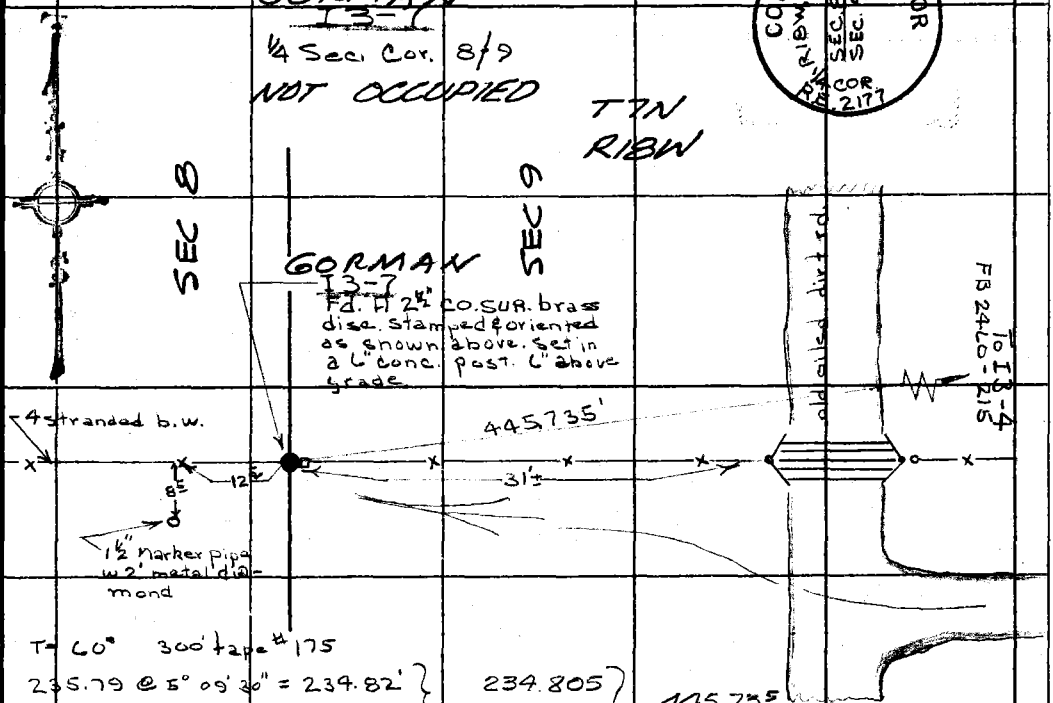
Notes Ck'd by	Survey of NW LAC Control
Map No.	JN 020.00 Tape Std °F
Office Work	Surveyed by RCW JGR
Checked	Notes C. PYLE Date 11/69
Date	Indexed C. J. GALLI DEC 18 '69

F. B. 2460 PG. 225

COUNTY SURVEYOR
R18W T7N
SEC 8
SEC 9
1/4 COR
RE 2177

GORMAN
I3-1
1/4 Sec. Cor. 8/9
NOT OCCUPIED

T7N
R18W



T= 60° 300' tape #175

235.79 @ 5° 09' 30" = 234.82'
235.74 @ 4° 59' = 234.81'
210.96' @ 0° 0' = 210.93'

234.805
210.93

445.735

This Mon. is located in the PEACE VALLEY area of N.W. L.A.CO. It is a ¼ sec. cor. on the line dividing Sec 8 & Sec 9, R18W, T7N See USGS. 7½' sheet "BLACK MTN." CALIF. Quad. 1958.

From the junction of COPCO & GOLDEN STATE HWY #5, travel Nly. on GOLDEN STATE HWY. 0.50 miles to its junction with HUNGRY VALLEY RD. Turn Left (Wly.) on HUNGRY VALLEY RD. and proceed 0.10 miles to a "T" intersection and a cattleguard on the North side of the rd. The ¼ sec. Cor. is 31' West of the cattleguard.

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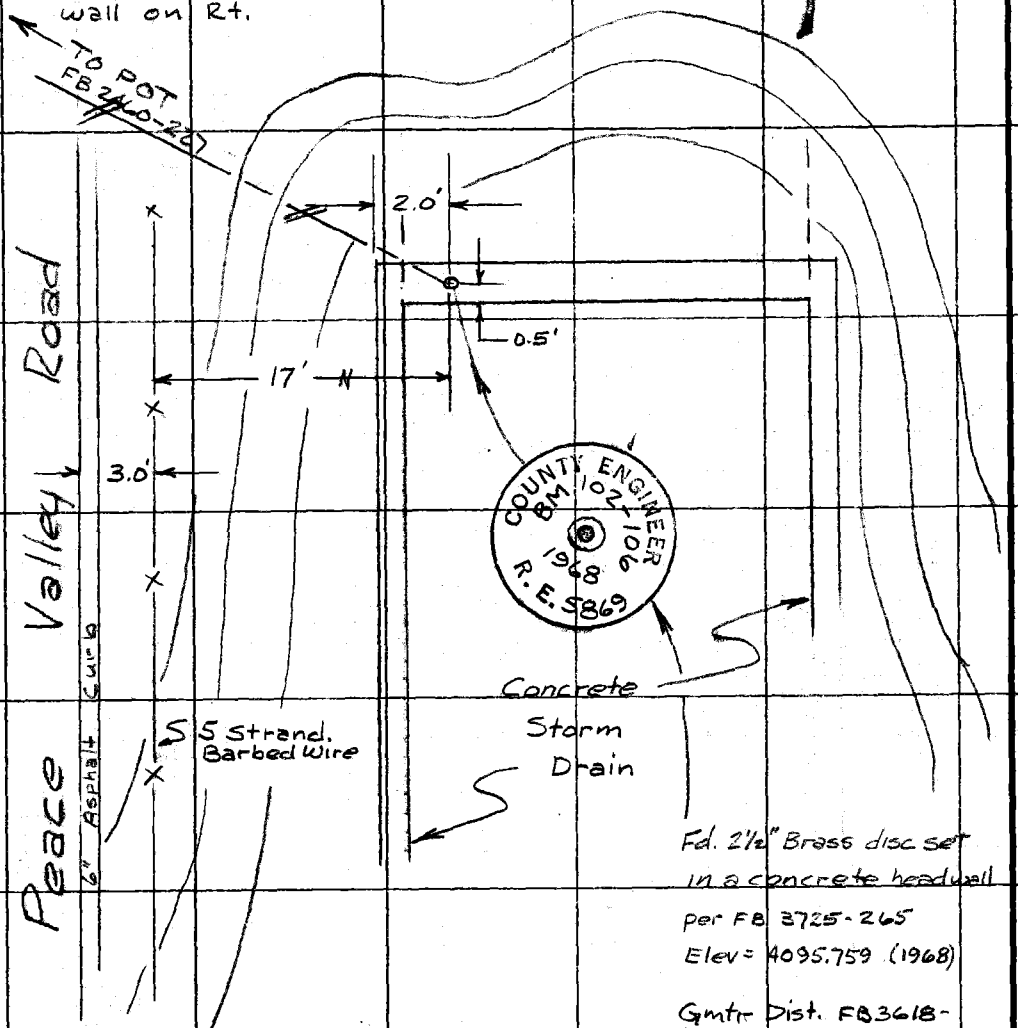
16F309S CE#310 3-68

F. B. 2460 PG 226

BM 102-106'

AREA: This bench mark is located in Los Angeles County, in the Gorman area, in the N.E. Cor of Section 15 T8N, R19W, 1900'± S. of N. Sec line & 600'± W of the E sec. line. Use U.S.G.S. 7½' Lebec Quad.

ROUTE: From the Gorman offramp of the Golden State Fwy. take the frontage Rd. on the S. side of Fwy. (Peace Valley Rd.) 2.2 mi w'ly & N.W'ly to a gate on Lft. (to ENT 0-18) continue 250'± N'ly on Peace Valley Rd to bench mark in concrete head wall on Rt.



Fd. 2½" Brass disc set in a concrete headwall per FB 3725-265
Elev = 4095.759 (1968)

Gmtr Dist. FB 3618-

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Notes Ck'd by	Survey of NW LACo Control
Map No.	JN 030100 Tape 0175 Std 68 °F
Office Work	Surveyed by RCW JGR
Checked	Notes RCW Date 9-30-69
Date	Indexed C. J. GALLI DEC 18 [illegible]

F. B 2460 PG 227

FMT N-10A

U.S.G.S. RANDOM NO 1

AREA:
2 miles ± west of Gorman, 1000'± E & 1950'± S of NW COR SEC 10, T8N, R19W

NOTE: RANDOM 1 IS 1.96' HIGHER IN ELEV. THAN POT.

5 MIN HIKE

TO FMT 0-10
FB 2460-11
Gmtr FB 3618-109, 110

POT
Set 1"x2"
TO BM 102-106
FB 3725-265
FB 2460-226
Gmtr Dist
& V4 FB 3618-111

31.92 @ 54° @ Lev.

262° 49' 12.77"
31.92'

FMT N-10A

Fd U.S.G.S. RANDOM 1
4" BRASS DISC SET IN 1.5' DIA CONC. PAD UP 4" STAMPED AS SHOWN.

TO LEBEC A-12
FB 2460-91
0° 00' 00"

GEOLOGICAL SURVEY
U.S. COOPERATION WITH
LOS ANGELES COUNTY
ELEVATION
RANDOM NO 1
FEET
DOLLARS FINE
FOR DISTURBING THIS MARK

DIR PER FBG 1309-27

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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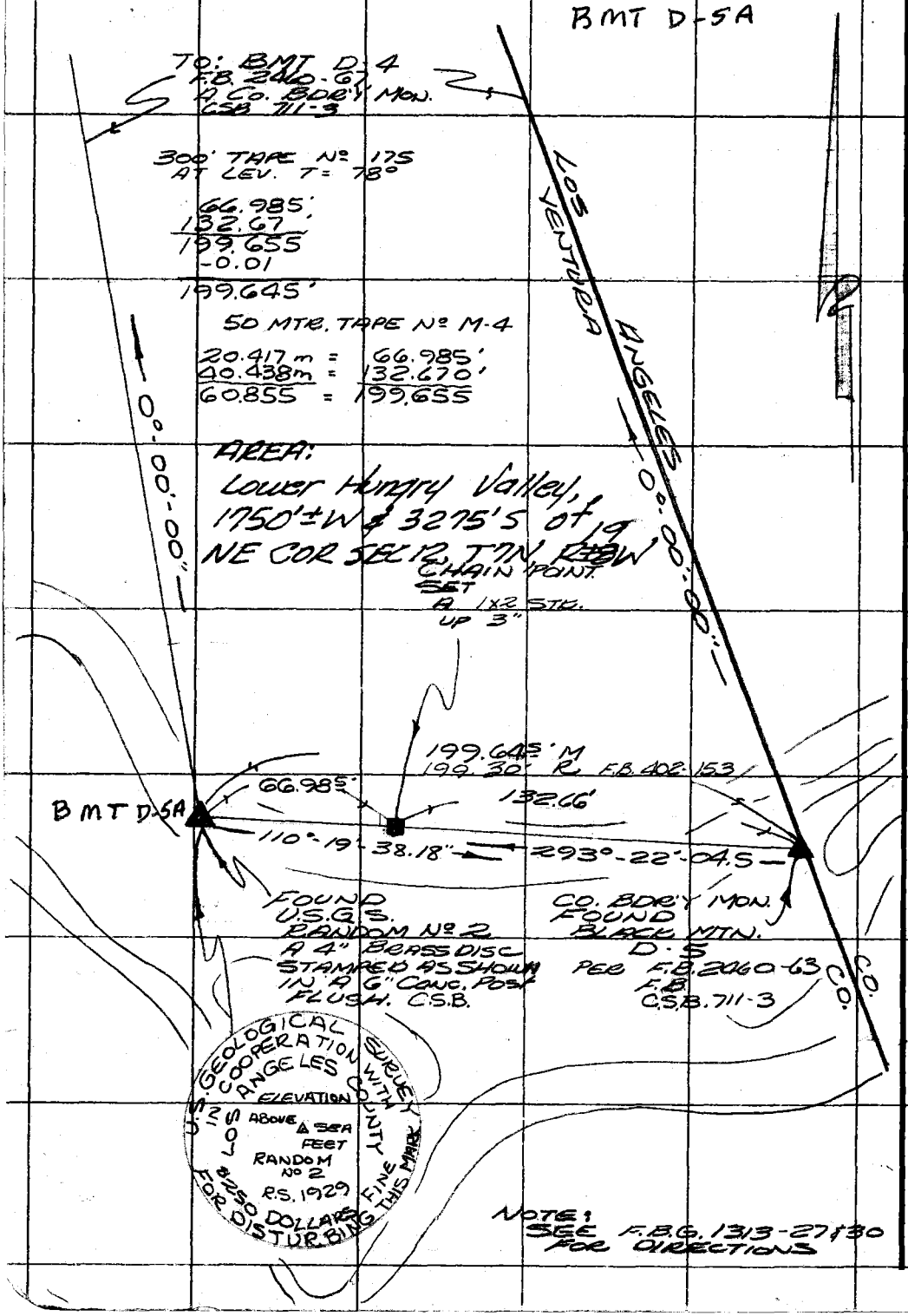
16F309S CE#310 3-68

F. B. 2460 PG 228

U.S.G.S. RANDOM No 2'



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F.B. 2460 Pg. 229

Profile No. _____ X-Sec.

Notes Red _____ Date _____ Notes Chkd. _____

Plotted _____ Date _____ Checked _____ Date _____

Job No. 030100 Division No. _____

Survey of GEODETIC CONTROL

Survey by R WILSON Notes ADAMS Date 9-23-69

Map No. _____ Indexed _____ Date _____

LEVELS FROM
U.S.C.&G.S. DELOS 3
TO
GORMAN I3-4

J.N. 0301.00
9-23-69

WILSON
ADAMS
PYLE
FISHER

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

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76-L-293 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.		
DEL[illegible] 3				2892.524	FD U.S.C.&G.S. 1ST ORDER B.M. DELOS #3 PER QUAD 341184 PG 16 PG 221	1964 1ST ORDER ELEV - 2892.524 ✓
	3528	2896052				
DELOS 3 RM. 1			4203	2891849	.852 ELEV = 2891.840 ✓	PER QUAD 341184 PG 16
	5161	2897010				
DELOS 3 RM 2			3904	2893106	.109 ELEV = 2893.102 ✓	PER QUAD 341184 PG 16
	1811	2894917				
DELOS 2 R.M. 2			10542	2884375	.380 ELEV = 2884.368 ✓	PER QUAD 341184 PG 16
	9058	2893433				
T.P.			4846	2888587		
GORMAN I3-4	5935	2894522				
			2718	2891804	.812 FD STATE OF CALIFORNIA DIV OF HWY 2½ BR DISC SET IN 12"x12" CONC PAD PG 215	
	1979	2893783				
T.P.			5506	2888277		
	6892	2895169				
DELOS 3			2656	2892513	.524 ELEV = 2892.524 ✓ PG 221	PER QUAD 341[illegible] PG 16

2.0 43

F.B. 2460 Pg. 230
Job No. 030100 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of GEODETIC CONTROL Date ____ Date ____ No. ____
Survey By R. WILSON Notes ADAMS Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C.L. GALLI Date ____ Date ____ No. ____

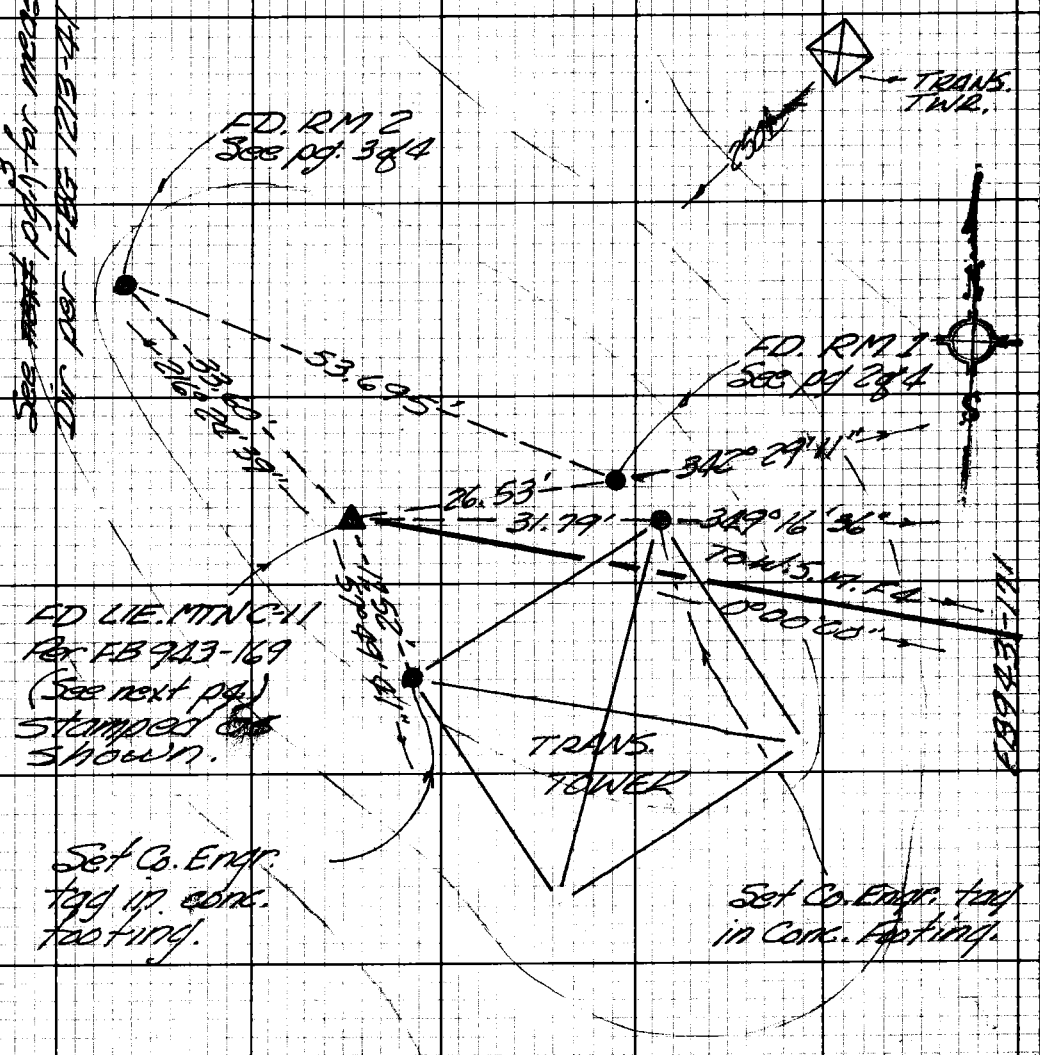
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	Jr. [illegible] Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 10-68
Date	Indexed [illegible] DEC 1 8 [illegible]

F.B. 2460 PG. 231

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LIEBRE MTN C-11
(USC&GS 341184-1011)
PG 1 of 4

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
RESERVOIR
LIE. MTN
C-11
1965
SET BY
L.A. CO. ENGR. RE. 5[illegible]
FOR INFORMATION SEE COUNTY ENGINEER



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403 Los Angeles County Engineering Bldg.

76F3098 CE#310 9-67

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F.B. 2460 Pg. 232

LIEBRE MTN C-11 PG 2 of 4

AREA: This triang. sta. is located in L.A. Co. in Angeles Forest about 11 miles north & 6 miles west of Castaic. 150' ± E & 150' ± N of NE cor. sec. 36, T7N R18W, 700' ± SW of old Ridge Route Rd, & at Reservoir Summit marked "Δ 3974" on 7½' Liebre Mtn Quad sheet.

ROUTE: From Castaic travel N. on Hwy 99 to Whitaker Summit. Continue N. 5.6 miles to a dirt rd. on the rt. & sign "RESERVOIR SUMMIT 4.0 MILES" turn rt (E) and travel graded rd 0.5 mile ely & upgrade to new freeway under construction - pass under freeway thru conc. sub-structure - continue ely & upgrade on graded rd. 1.6 miles to fenced gas valve on lft & graded rd. on rt. (@ about highest point in elev. on rd.) turn sharp rt (wly) & follow upgrade 0.1 mile to trans. tower & station @ highest point in elevation.

STATION MARK: A 4" L.A. Co. Sur. Cont. Sys. brass triang. disc stamped "RESERVOIR LIE. MTN C-11 1965 L.A. CO. ENGR. R.E. 5869" up 4" and set in rough conc. pad about 15"x15". No record of sub-surface mark being set.

REFERENCE MARKS:

No 1 = A 4" USC&GS brass ref. mark disc stamped "RESERV. IR NO 1 1948" (struck over) up 2" & set in (old twr footing) 24"x24" conc. pad.

Con't next pg.

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Notes Ck'd by	Survey of GEODETIC CONTROL F. B. 2460 PG. 253
Map No.	JN 03600 Tape Std. °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 10-68
Date	Indexed C. L. GALLI DEC 13 '68

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LIEBRE MTN C-11
(USC&GS 341184-1011)
PG 3 of 4

NO 2 - A 4" USC&GS brass ref. mark disc stamped "RESERVOIR NO 2 194 Ø1" (struck over) up 5" & set in 10"x10" conc. pad.

Two County Engr. tags were set in conc. trans. twr footings as shown on pg. 1, one in N.E. footing & one in SW footing.

MEASURMENTS

300#221	LEVEL @ 58°	50 MTR M3
33.61' = 33.60'	10.243 m = 10.240 m = 33.60'	
53.705' = 53.695'	16.369 m = 16.366 m = 53.69'	
26.53' = 26.53'	8.087 m = 8.087 m = 26.53'	
31.80' = 31.79'	9.692 m = 9.689 m = 31.79'	
17.52' = 17.52'	5.340 m = 5.340 m = 17.52'	

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26F309S CE#310 1-65

F. B. 380 Pg. 234

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

Sierra Mtn. C-11

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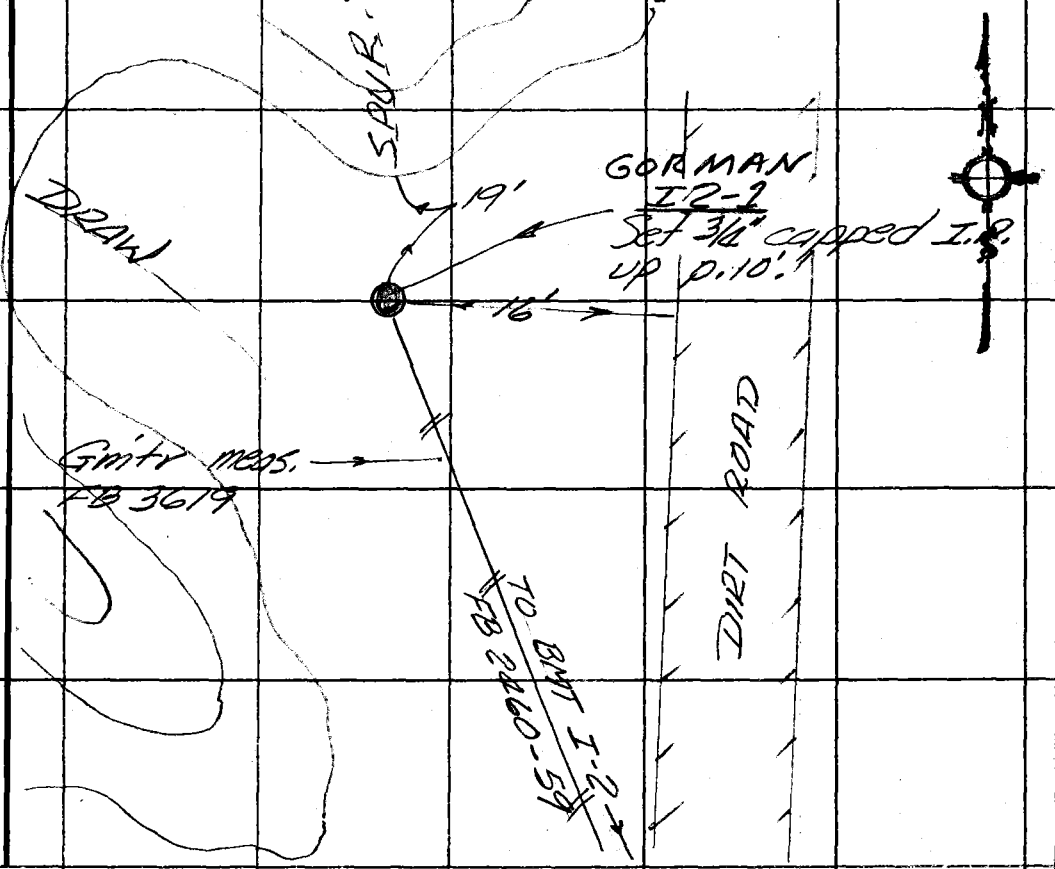
Notes Ck'd by	Survey of N.W. Co. Cont.
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by Wilson
Checked	Notes RW Date
Date	Indexed C. L. GALLI DEC 1 8 '69

F. B. 2460 PG. ~~249~~ 235

GORMAN
I2-1
NOT OCCUPIED

AREA: This point is located in the NW portion of LA County 500' E & 2700' S of the NW corner of section 29, T8N, R18W, and may be reached from the paved road at lower Hungry Valley Rd and Interstate 5 as follows: travel west, then north on paved rd. 1.1 miles to end of pavement: continue north 0.2 miles to Y and bear right: continue n'ly, thence w'ly 0.5 miles to Y and bear lft: thence w'ly 0.2 miles to locked gate: (CS lock) thru gate continue ~~nw'ly~~ nw'ly 0.8 miles to T intersection: continue nw'ly (straight) 0.3 miles to Y; bear right and continue n'ly 0,2 miles to the point on the lft.



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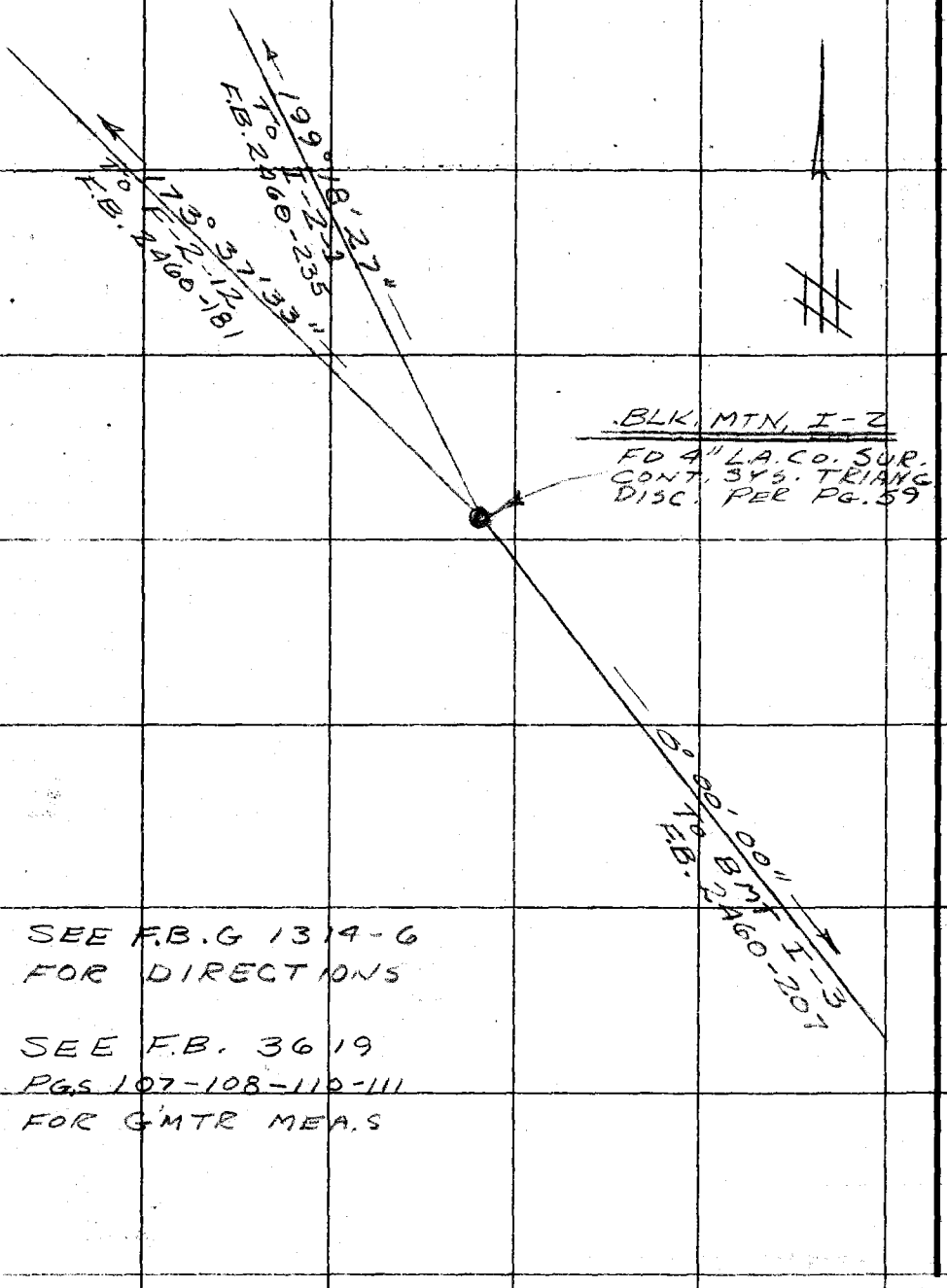
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE#310 3-68

F. B. 2460 PG 236

DIRECTIONS @ BMT I-2 (SEE F.B. 2460-59 FOR LOCATION)



SEE F.B. G 1314-6
FOR DIRECTIONS

SEE F.B. 3619
PGS 107-108-110-111
FOR G'MTR MEAS

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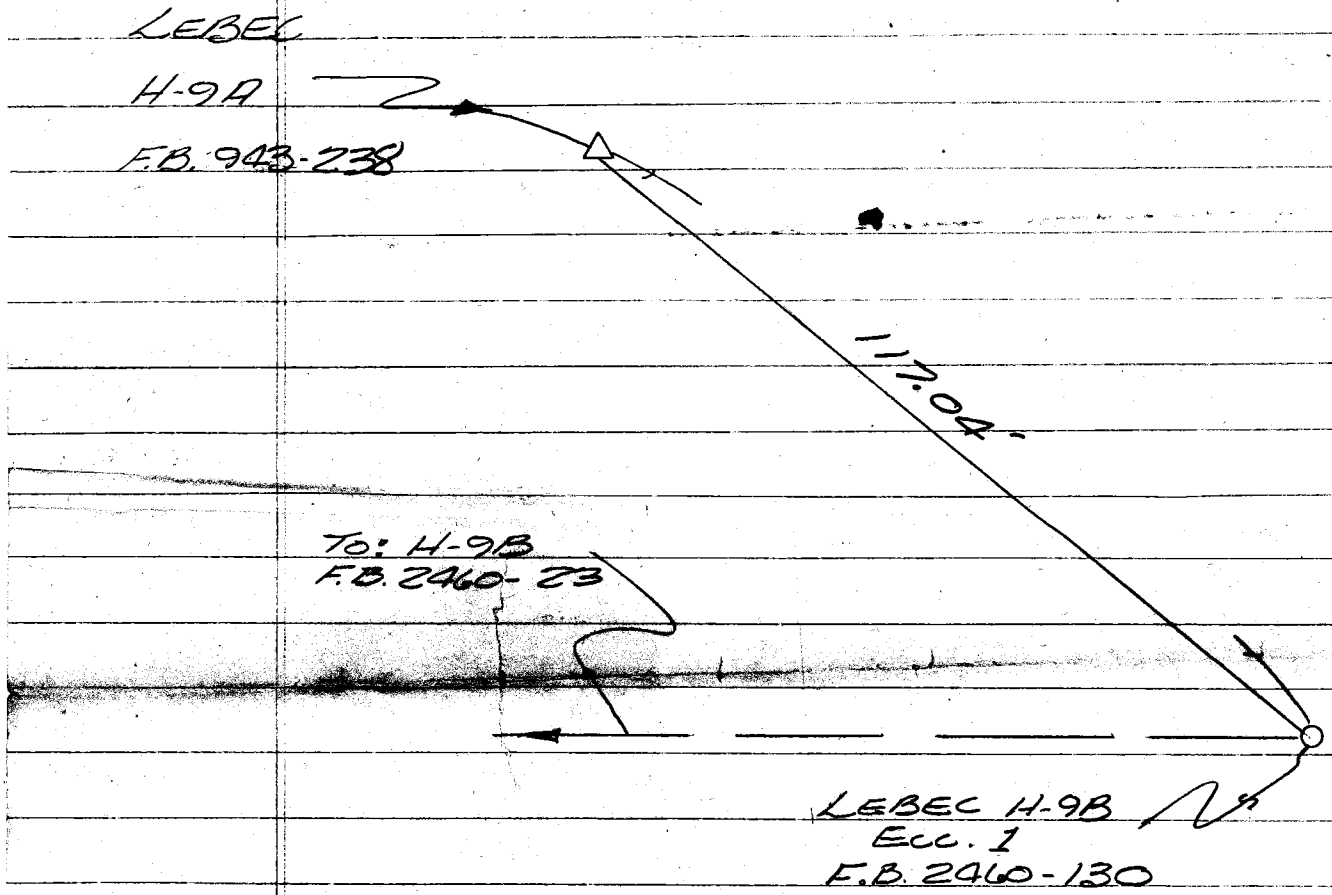
DISTANCE

BETWEEN:

H-9B Ecc 1

& H-9A



TEMP. 52°

J.N. 0301.00

7-OCT-1969

300' TAPE № 175 50m/m TAPE M-6

117.06' = 117.04' 35.679m = 35.673m = 117.04'

PYLE

ADAMS

SCHERB

FLOREK