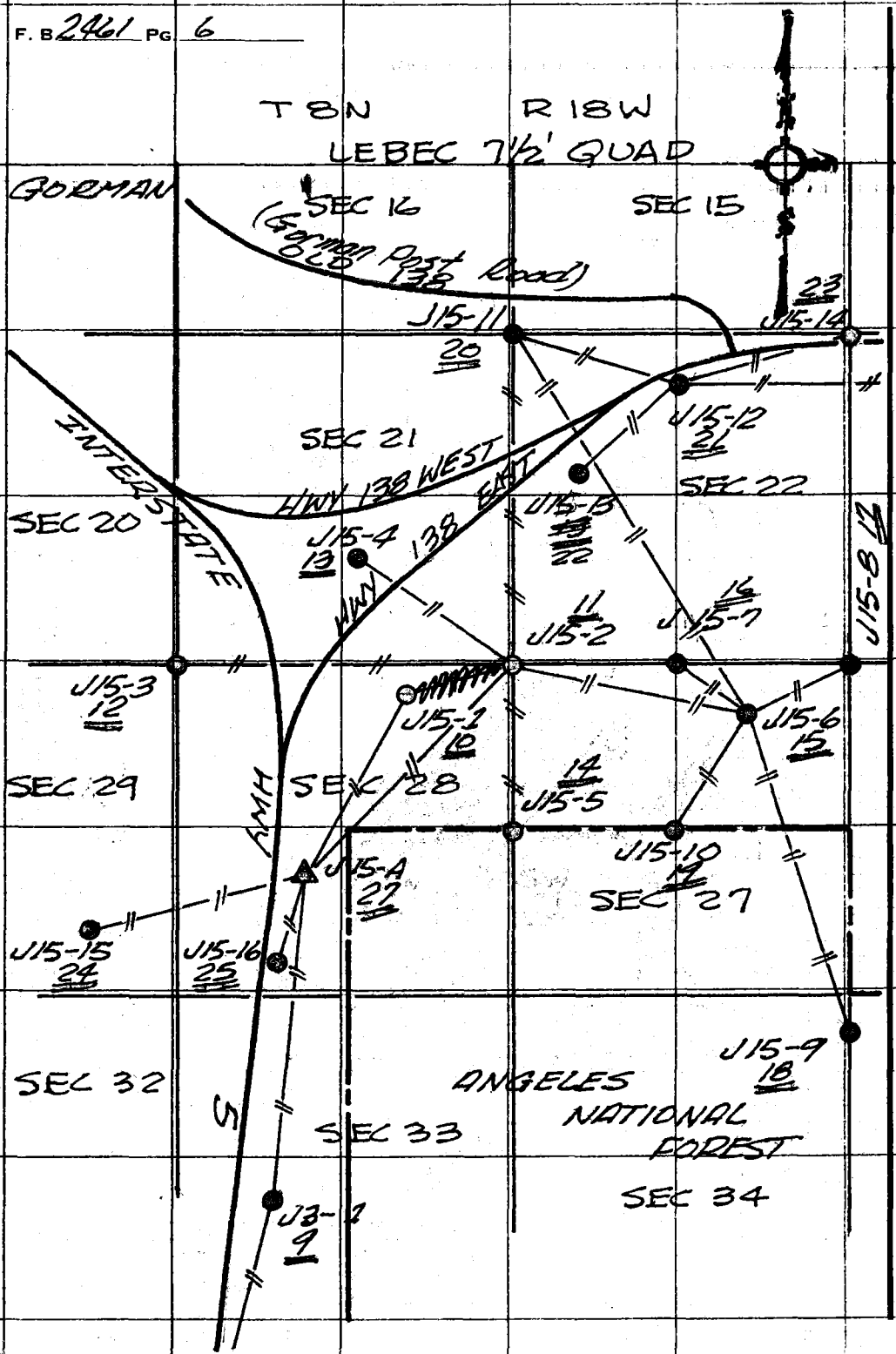
F. B 2461 PG 6



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ch'd by	Survey of H.V. ROAD
Map No.	JN 0097.52 Tape Std °F
Office Work	Surveyed by Wilson
Checked	Notes Date 12-69
Date	Indexed C. J. GALLI JAN 7 '70

F. B. 2461 Pg. 5

HUNGRY VALLEY ROAD
PHOTO CONTROL &
SECTION LINE TIES
JN 0097.52
DEC '69

Wilson
Adams
Pyle
Barnett
Fisher
Florek
Scherb

Microfilmed Jan '86

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16P3095 CE#310 3-68

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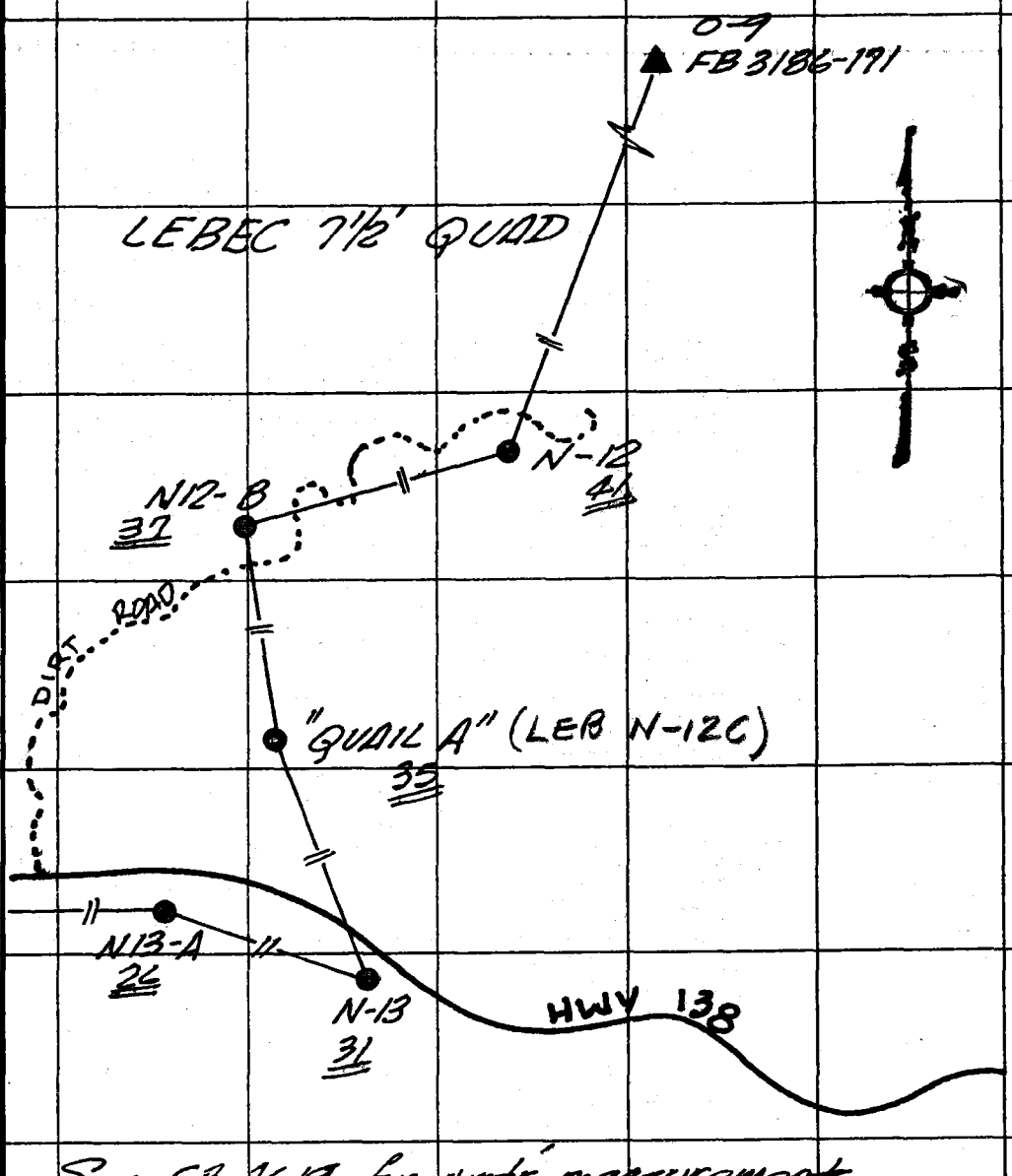
Map No.	JN 0301.00 Tape Std. °F
Office Work	Surveyed by RCWilson
Checked	Notes RW Date 12-4-69
Date	Indexed C. J. GALLI JAN 7 70

F. B 2461 PG. 7



See FB 3619 for gmtr measurements.

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76F309S CE#310 3-68

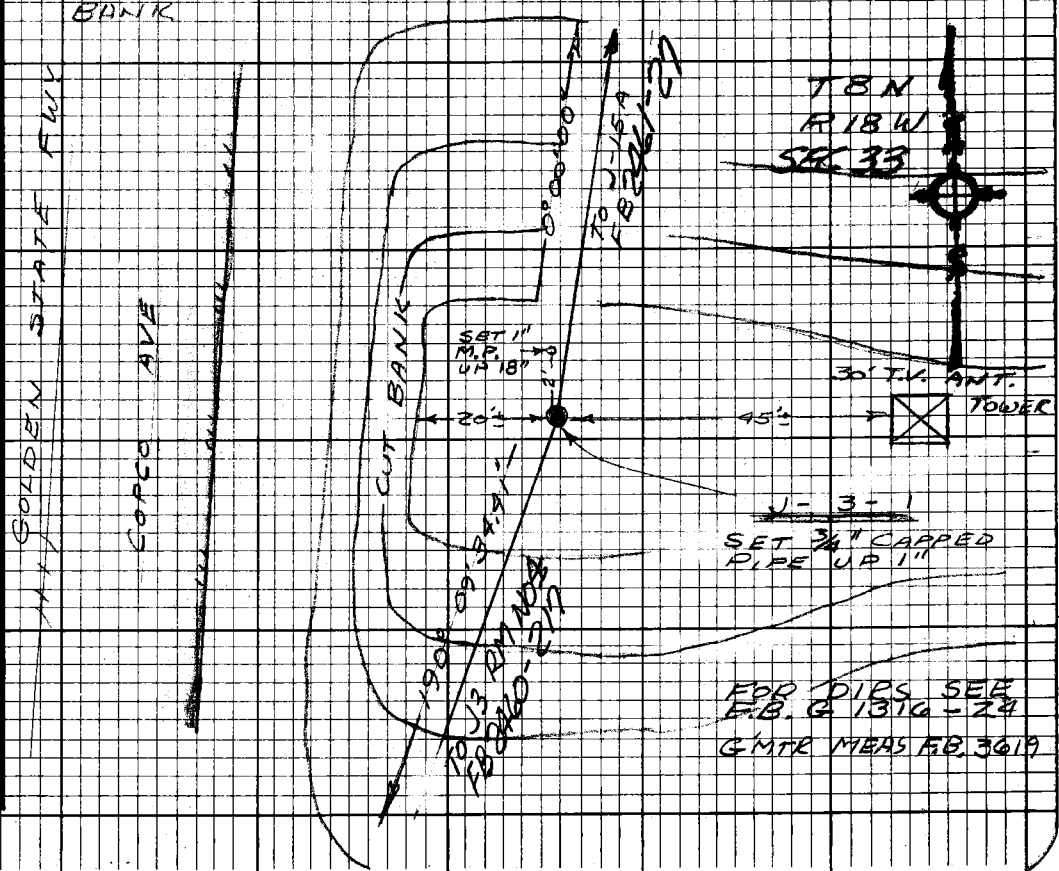
Notes Ck'd by	Survey of N.W. L.A. Co. Photo
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 12-4-69
Date	Indexed C. J. GALLI JAN 7 70

F.B. 2461 Pg. 9

GORMAN
J-3-1

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION, 1700'± E. OF & 2300'± N. OF THE S.W. COR OF SEC 33, T8N R18W. 300'± E. OF GOLDEN STATE FWY. USE U.S.G.S. 7½' BLACK MTN. QUAD SHEET

ROUTE: FROM THE GOLDEN STATE FWY TRAV E.LY ON QUAIL LAKE RD 0.3 MI THEN TN RT ON COPCO AVE & TRAV S.LY, PARALLEL TO FWY, 1.7 MI THENCE TN LFT & TRAV E.LY 0.2 MI ALONG S. SIDE OF PLOWED FIELD. TN RT (S.LY) & FOLLOW RD UP TO TOP OF RIDGE 0.1 MI. PARK & HIKE 800'± W.LY ALONG RIDGE TO POINT @ TOP OF FWY CUT BANK



FOR DIRS SEE F.B. G 1316-24
G'MTR MEAS F.B. 3619

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76F3098 CE#310 9-67

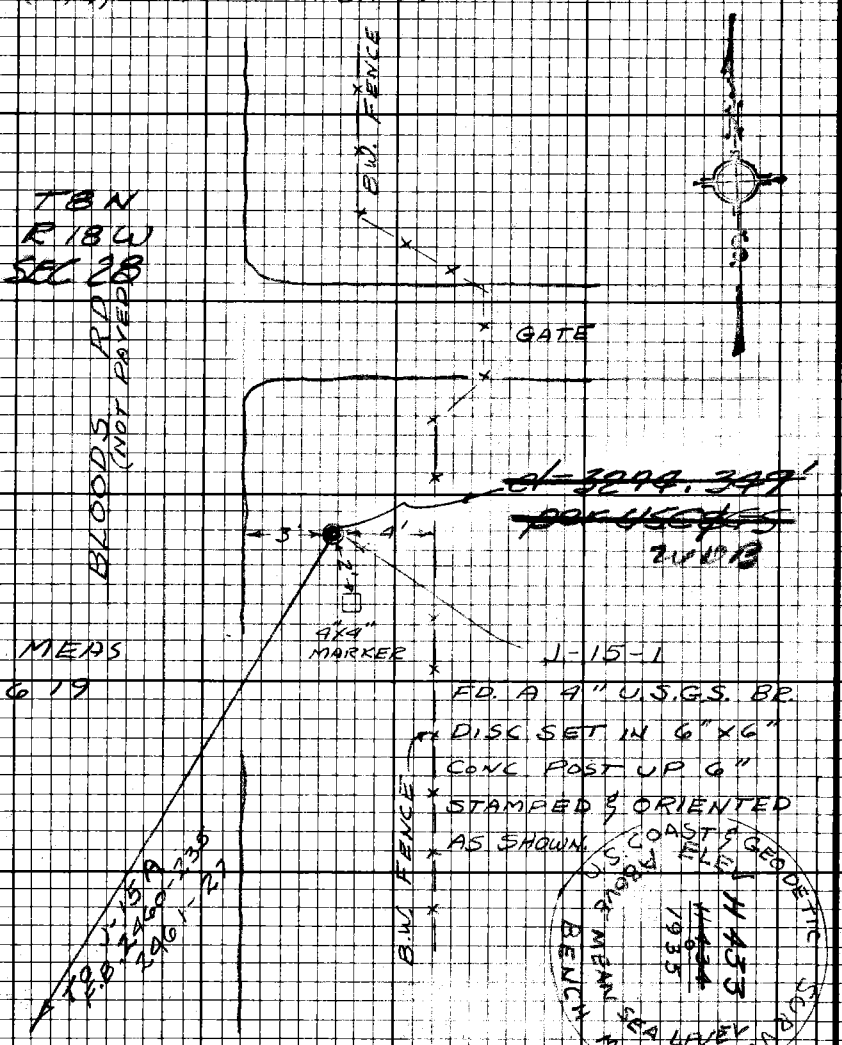
F.B. 2961 Pg. 10

GERMAN

J-15-1 (NOT OCCUPIED)

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY: IN THE N.W. Co AREA 300± S. OF ℄ 1350 W. OF THE N.E. COR SEC. 28, T8N, R18W. POINT IS MARKED "BM 3213" ON USGS 7½' LEBEC QUAD SHEET.

ROUTE: FROM THE GOLDEN STATE FWY, TRAVEL ELY ON QUAIL LAKE RD 0.5 MI TO END OF PVMT. THENCE BEAR LFT. (EAST) ON E. HUNGRY VALLEY RD 0.05 MI TO BLOODS RD TN. RT (S,LY) 0.1 MI TO POINT.



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Notes Ck'd by ______ Survey of N.W. Co PHOTO CONT F.B. 2461 Pg 11
Map No. ______ JN 030100 Tape ______ Std ______ °F
Office Work ______ Surveyed by R. WILSON
Checked ______ Notes ADAMS Date 11-28-69
Date ______ Indexed C. J. GALLI JAN 7 '70

GORMAN
J-15-2

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION. THE S.W. COR SEC 22, T8N, R18W. LEBEC 7½' QUAD SHEET.

ROUTE: FROM THE GOLDEN STATE FWY TRAV. E,LY ON QUAIL LAKE RD 0.5 MI TO END OF PVMT THEN BEAR LFT ON E. HUNGRY VAL RD (DIRT) 0.4 MI TO CATTLE GRD, PASS OVER CAT GRD THEN TRAV 200±, TN SHARP RT TO TOP OF LOW HILL

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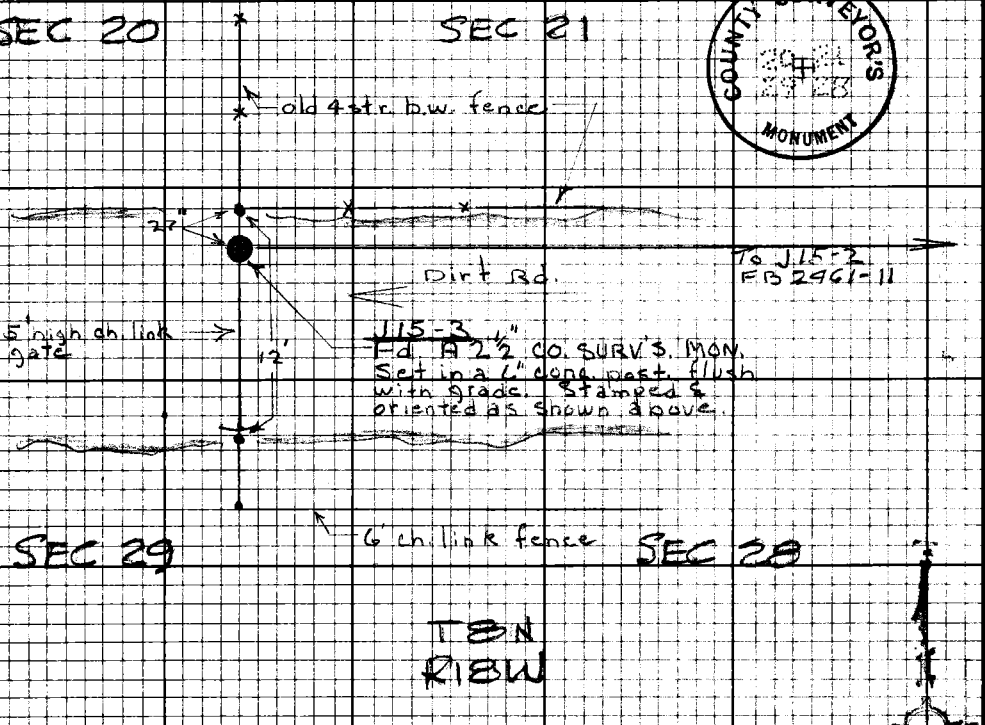
76F3098 CE#810 9-167

F.B. 2961 Pg 12

GORMAN
V-15-3 (NOT OCCUPIED)

This point is located in the NW portion of L.A. Co. in the PEACE VALLEY area. From the GOLDEN STATE FWY. overcrossing of QUAIL LAKE RD., travel WLY 100' on Quail Lake Rd., to its junction with PEACE VALLEY RD. Turn left (SLY.) on Peace Valley Rd. 0.15 miles to a dirt rd. on the right. (West) Follow this 0.30 miles to a chain link gate. The mon. is 2ft Sq. of the N. gate post and under the gate It is a Sec. Cor in T8N, R18W. See U.S.G.S. 7½' sheet "LEBEC" Quad. 1958.



COUNTY SURVEYOR'S MONUMENT

G'MTR. MEAS. FB 3619

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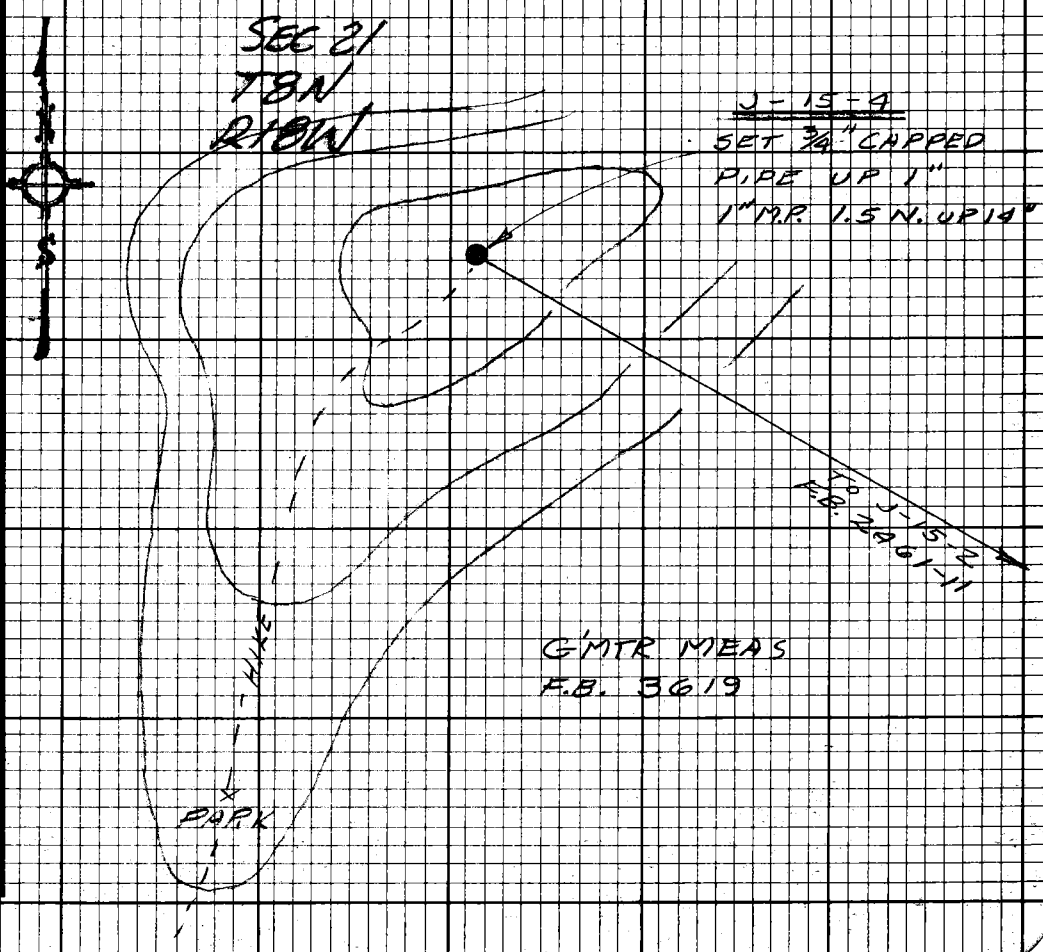
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 11-26-69
Date	Indexed C. J. GALLI JAN 7 70

F.B. 2461 PG. 13

GORMAN (NOT OCCUPIED)
J-15-4

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION, ON A HILL 1600'± N. OF & 2300'± W. OF THE S.E. COR SEC 21 T8N R18W. USE USGS 7½' LEBEC QUAD SHEET.

ROUTE: FROM THE GOLDEN STATE FWY TRAVEL E,LY ON QUAIL LAKE RD 0.2 MI THEN TN LFT (N,LY & E,LY) ON T.T. TO TOP OF RIDGE (4 WHEEL DR) TN LFT (N,LY) @ TOP OF RIDGE & DRIVE 400'± PARK & HIKE 400'± TO HIGHEST POINT ON RIDGE



G'MTR MEAS
F.B. 3619

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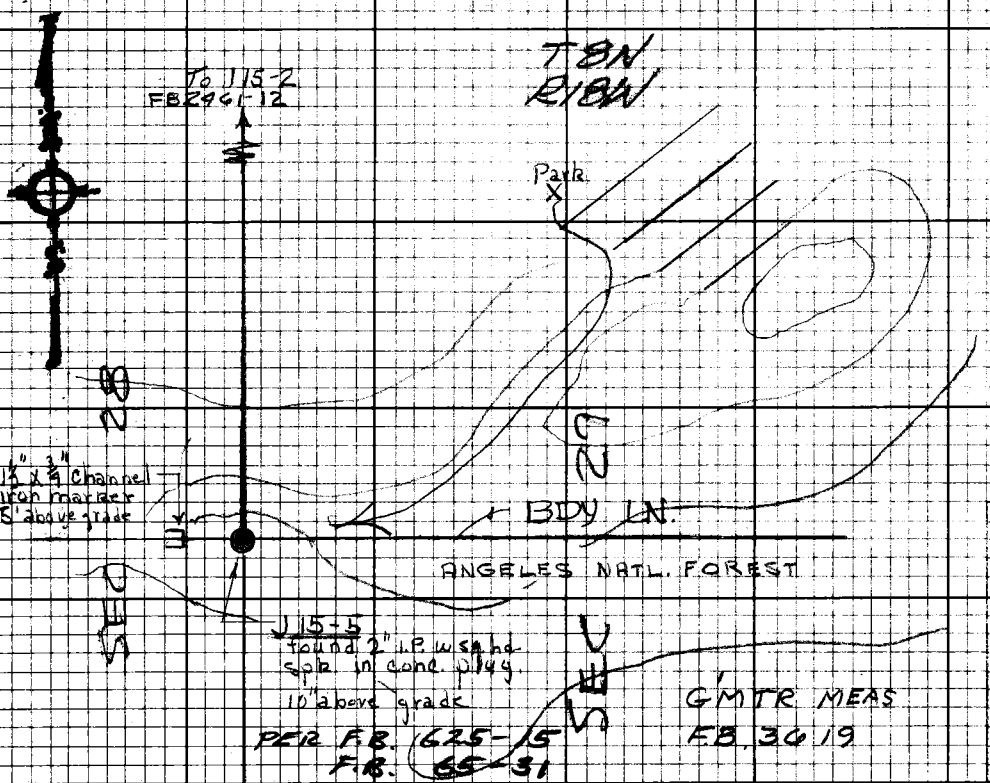
75F3098 CE#310 9-67

F.B. 2961 Pg 14

GORMAN (NOT OCCUPIED)
J-15-5

This point is located in the N.W portion of L.A co. in the PEACE VALLEY AREA. It is a 1/4 sec. cor. set on the inter. of the sec. line with the ANGELES NATIONAL FOREST BDY. Sec. 28|27, T8N, R16W. Sec USGS. 7½' sheet "LEBEC" Quad. 1958.

From the inter. of GOLDEN STATE FWY. & QUAIL LAKE RD. Travel ELY. on Quail Lake Rd. 0.50 miles to pavements end. Bear left (E) on E. Hungry Valley and continue 0.50 miles to a gate (usually open) proceed 0.30 miles and pass over a canal. Thence SLY. 0.30 miles along the East side of the canal to a cut bank. Turn left (ELY) 200'± to a travelled track ascending the side of the cut. Mount this to the first level. Park here and contour around to the South, To the top of a spur #700'. The point is 40'± S of the top of the spur.



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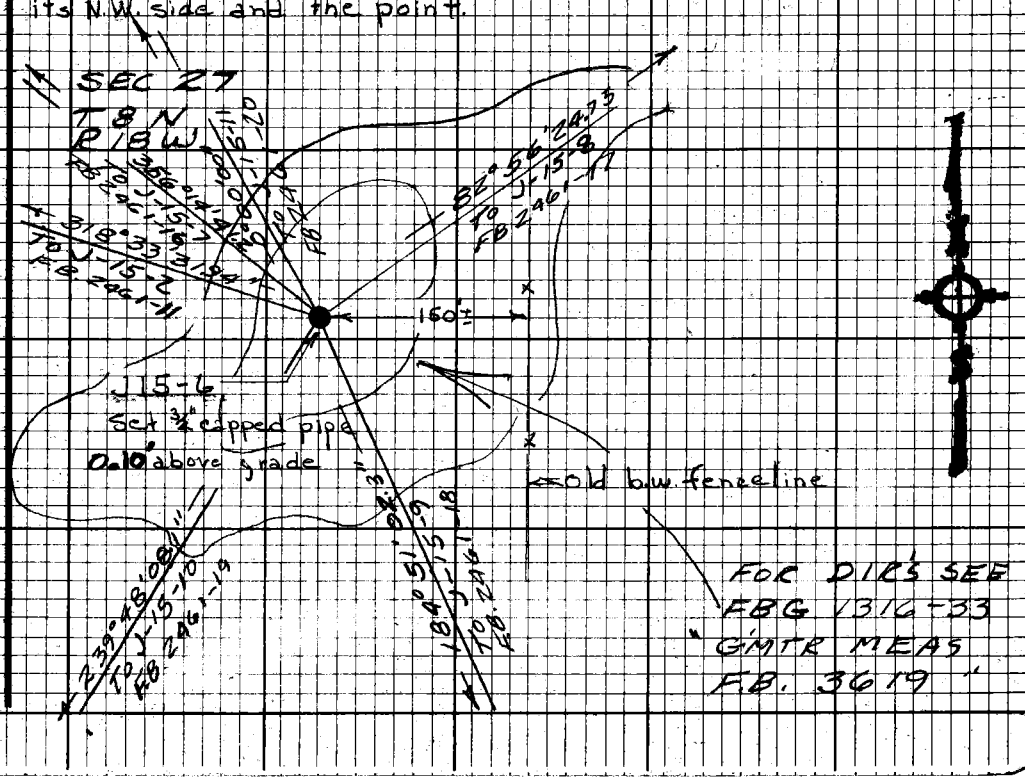
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by PHILSON
Checked	Notes RYLE Date 12-2-69
Date	Indexed C.J. GALLI JAN 7 '70

F.B. 2461 PG. 15

GORMAN (NOT OCCUPIED)
J15-6

AREA: This point is located in N.W.L.A. CO. in the vicinity of QUAIL LAKE. It is 1350' S & 1800' W of the N.E. Cor. of Sec. 27, T8N, R18W. See USGS 7½' sheet "LEBEC" Quad. 1958.

ROUTE: From the GOLDEN STATE FWY, travel ELY. on QUAIL LAKE RD. 0.50 miles to pavements end. Bear left on HUNGRY VALLEY RD. ELY. then SLY. 0.80 miles to a canal (under const.). Pass over canal & travel along S. side 0.10 miles, then turn left, 150'± further turn Right and continue 0.15 miles, pass through a gate and 0.30 miles further another gate. Proceed 0.35 miles to a gate and 100'± past it turn left (NLY.) thence 0.20 miles to a "Y" bear left (NWLY.) and 0.20 miles more reach the top of a ridge. Travel NWLY. across a field 0.30 miles to a knob on its N.W. side and the point.



FOR DIR'S SEE
FBG 1316-33
"GMTR MEAS
F.B. 3619"

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Placed on Dir. Dw. W.S. No.
Sketch on Geo. Desc. Card

75F3098 CE#310 9.67

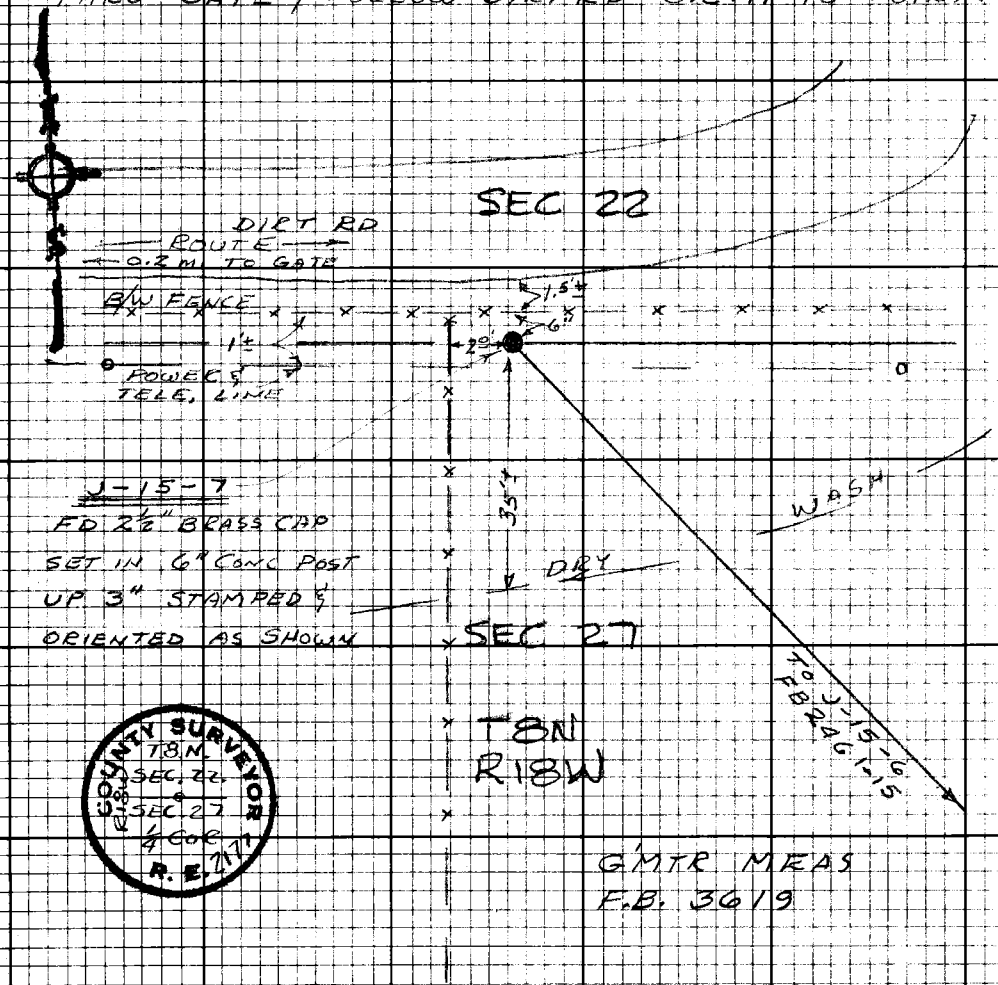
F.B. 2961 Pg. 16

GORMAN (NOT OCCUPIED)

J-15-7

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION. THE N. ¼ COR OF SEC 27, T8N, R18W. LEBEC 7½' QUAD SHEET.

ROUTE: FROM THE GOLDEN STATE FWY. TRAV E,LY ON QUAIL LAKE RD 0.5 MI. TO END OF PVMT, THENCE BEAR LEFT (E.) ON E. HUNGRY VALLEY RD (DIRT). FOLLOW RD E,LY & S,LY 0.8 MI. TO CANAL (UNDER CONST) PASS OVER CANAL & TRAV ALONG S. SIDE 0.1 MI THEN TN. LFT. FOR 300'± TO A C/L GATE (EDISON LOCK). PASS THRU GATE & FOLLOW DIRT RD 0.2 MI TO POINT.



GMTR MEAS
F.B. 3619

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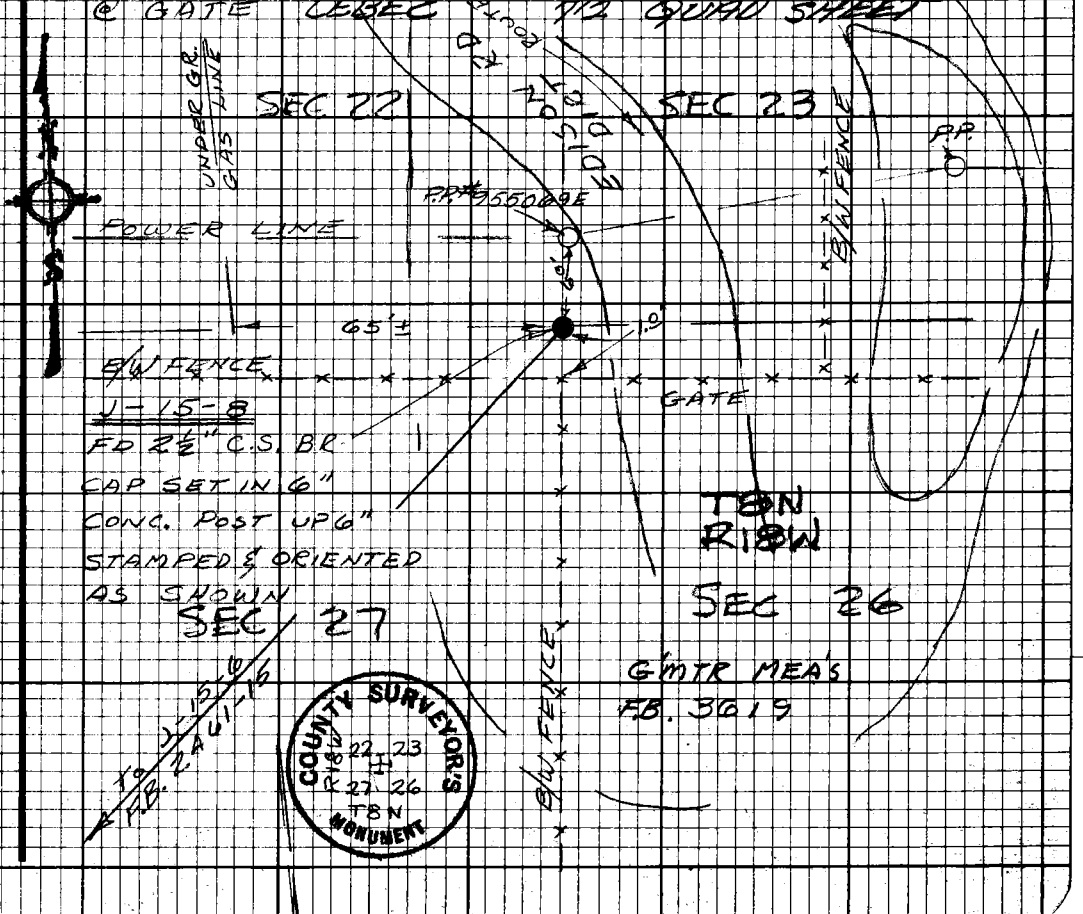
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 12-1-69
Date	Indexed C. J. GALLI JAN 7 70

F.B. 2461 Pg. 17

GORMAN
J-15-8 (NOT OCCUPIED)

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY. THE S.W. COR, SEC 23, T8N R18W.

ROUTE: FROM THE GOLDEN STATE FWY, TRAVEL E. ON ANTELOPE VAL FWY (HWY 138) 2.5 MI. TO GATE ON RT. PASS THRU GATE (UNLOCKED) & FOLLOW DIRT RD S,LY 0.25 MI TO "Y". BEAR LFT & CONT. 0.3 MI TO CATTLE GUARD. TURN RT (WLY) BEFORE CAT. GRD, & CONT. 0.65 MI TO "T" INT. TN LFT. (S,LY) THEN CONT 0.35 MI TO 4 WAY INT. TN RT THENCE LFT (SLY & UPHILL) ON EDISON RD. FOLLOW EDISON RD 0.35 MI TO SEC COR @ GATE LEBEC 7½' QUAD SHEET



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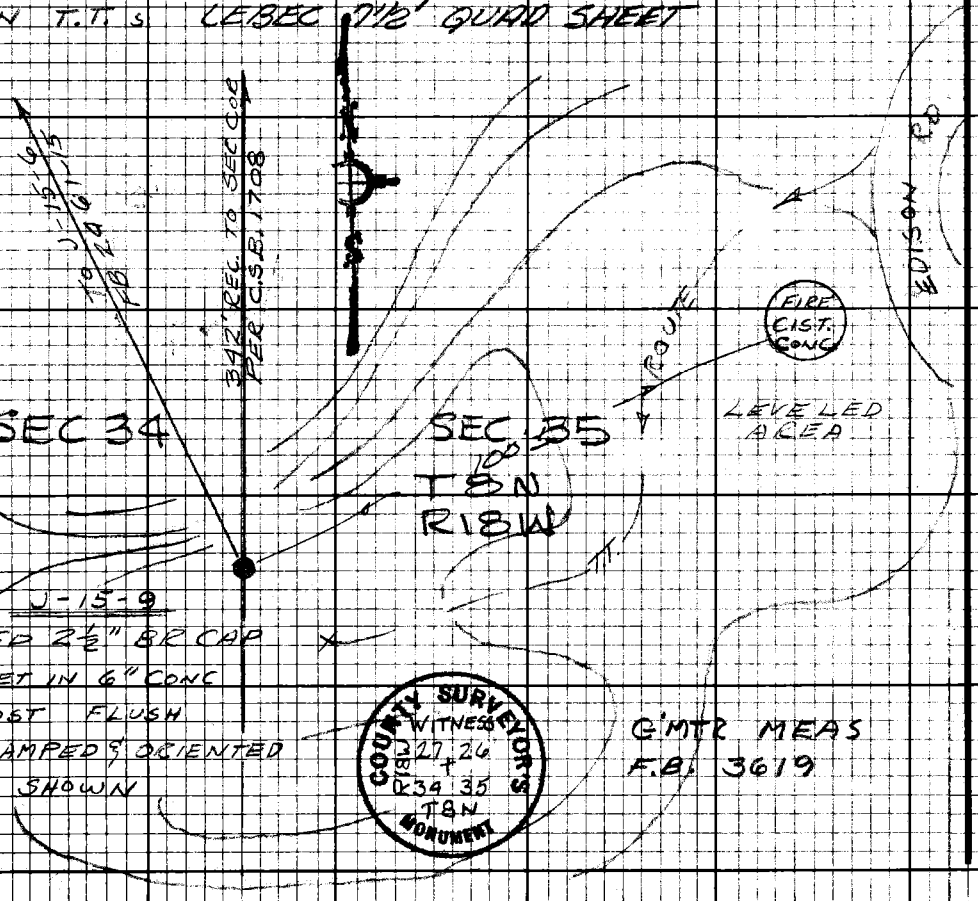
75F3098 CE#310 9.67

F.B. 2461 Pg 18

GORMAN
J-15-9 (NOT OCCUPIED)

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY. IN THE N.W. CO AREA. A W.T. COR. 342'± S. OF THE S.W. COR SEC 26 T8N, R18W.

ROUTE: FROM THE GOLDEN STATE FWY TRAV. ELY ON QUAIL LAKE RD 0.5 MI TO END OF PVMT. THENCE BEAR LFT (E.) ON E. HUNGRY VALLEY RD (DIRT) FOLLOW RD (E,LY & S,LY) 0.8 MI TO CANAL (UNDER CONST) PASS OVER CANAL & TRAV. ALONG S. SIDE 0.1 MI THEN TN LFT. TRAV 180'± THEN TN RT. CONT 0.3 MI TO GATE ("L" LOCK) 0.3 MI TO 2ND GATE (OPEN) 0.3 MI TO 3RD GATE (OPEN) 0.4 MI TO 4TH GATE (NO LOCK) 0.4 MI TO 5TH GATE @ ANGELES NAT. FOREST BDRY ("L" LOCK) PASS THRU GATE & TRAV 150'± THEN MAKE SHARP RT TN (W,LY) & FOLLOW EDISON RD 0.6 MI TO FIRE CIST. ON RT PT IS 100'± PAST CIST ON T.T.'s LEBEC 7½' QUAD SHEET



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Office Work
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Date

Survey of N.W.L.A.CO
Traverse Tape Std. °F
Surveyed by R WILSON
Notes ADAMS Date 12-1-69
Indexed G.L.GALLI JAN 7 70

F.B. 2961 PG. 19

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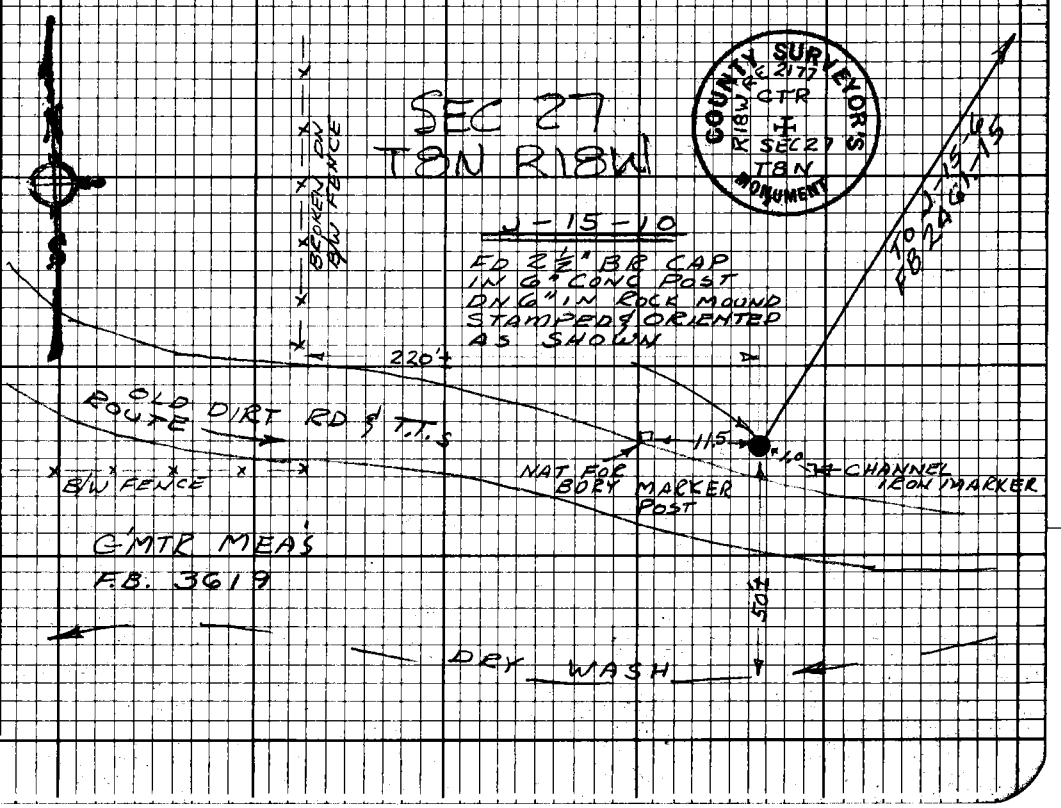
Printed on Both Sides
Punched on Both Sides
Stacked on Both Ends

GORMAN (NOT OCCUPIED)

1-15-10

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION. THE CENTER OF SEC 27, T8N, R18W, USGS 7½' QUAD

ROUTE: FROM THE GOLDEN STATE FWY, TRAV E,LY ON QUAIL LAKE RD 0.5 MI TO END OF PVMT, THENCE BEAR LFT (E.) ON E. HUNGRY VALLEY RD. FOLLOW DIRT RD E,LY THEN S,LY 0.8 MI TO CANAL (UNDER CONST) PASS OVER CANAL & TRAV ALONG S. SIDE 0.1 MI, THEN TN LFT TRAV 180'± THEN RT, CONT 0.3 MI TO GATE PASS THRU GATE & CONT. 0.3 MI TO T.T. ON RT FOLLOW T.T. 0.1 MI TO GATE IN BROKEN DN FENCE, THEN 220' ELY TO POINT



REF3098 CE#810 9.67

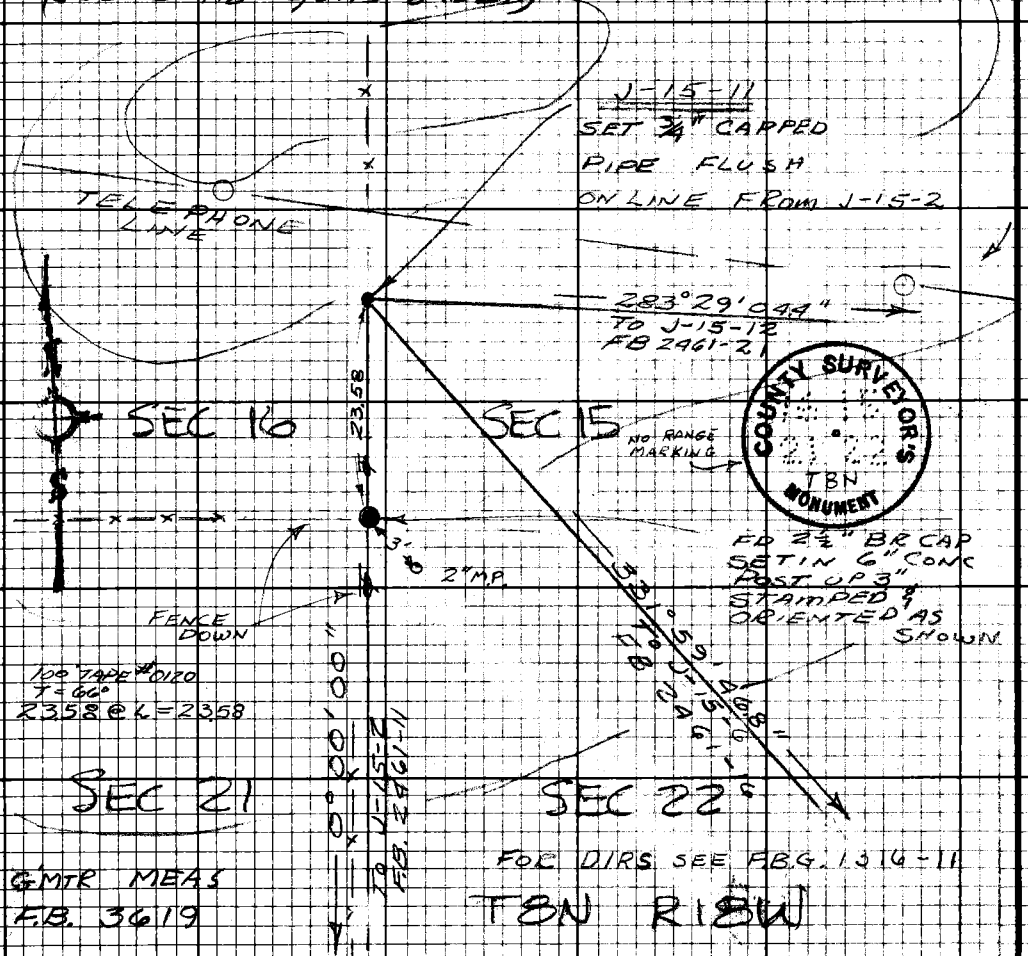
F.B. 2961 Pg 20

GORMAN
J-15-11

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION OF THE S.W. COR SEC 15, T8N, R18W (ON LINE ROAD FROM SOUTH) 28.53 N. OF

ROUTE: FROM THE GOLDEN STATE FWY TRAVEL E.LY ON HWY 138 (LANCASTER PALMDALE FWY) 1.9 MI TO GORMAN POST RD. TN LFT (N.LY) 0.65 M. TO T.T. ON LFT. TN & TRAV ON HILL 125' ± TO WIRE GATE. PASS THRU GATE & FOLLOW T.T.'s S.E.LY ALONG POWER LINE 0.1 mi TO TELEPHONE LINE. TN RT & FOLLOW TELE. LINE 0.1 mi. TO POINT @ INTER. OF FENCES

(LEBEC 15' QUAD SHEET)



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Office Work
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Date

Survey of NW. L.A.Co PHOTO
JN 43012 Tape Sht "F"
Surveyed by KUNTSON
Notes APAMP 5 Date 12-1-67
Indexed D.T. GALLI JN 7-70

F.B. 2461 Pg. 21

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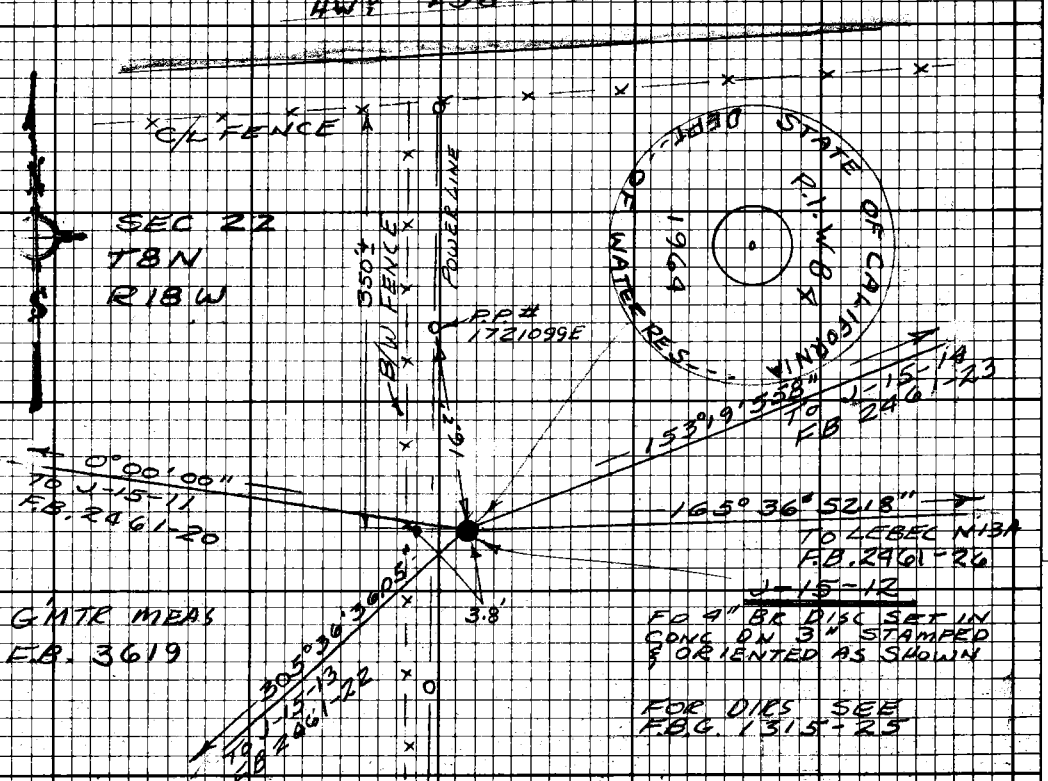
GORMAN
J-15-12

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION, 650'± S. OF & 2650'± W. OF THE N.E. COR SEC 22, T8N, R18W USE USGS 7½' LEBEC QUAD SHEET

ROUTE: FROM THE GOLDEN STATE FWY TRAVEL E,LY ON HWY 138 2.75 MI TO GATE ON RT PASS THRU GATE (UNLOCKED) & TRAV S,LY ON DIRT RD 0.05 MI TO "Y". BEAR RT 75° TO END "Y" BEAR RT 0.2 MI T 3RD "Y". BEAR RT 0.75 MI TO FENCE LINE. TN RT (N,LY) ALONG FENCE 0.05 MI TO POINT.



Stock on Red Desc. Card
Pieces on Rev. Bk. U.S.G.S.
Sheet on Red Desc. Card
Added on Red Desc. Card

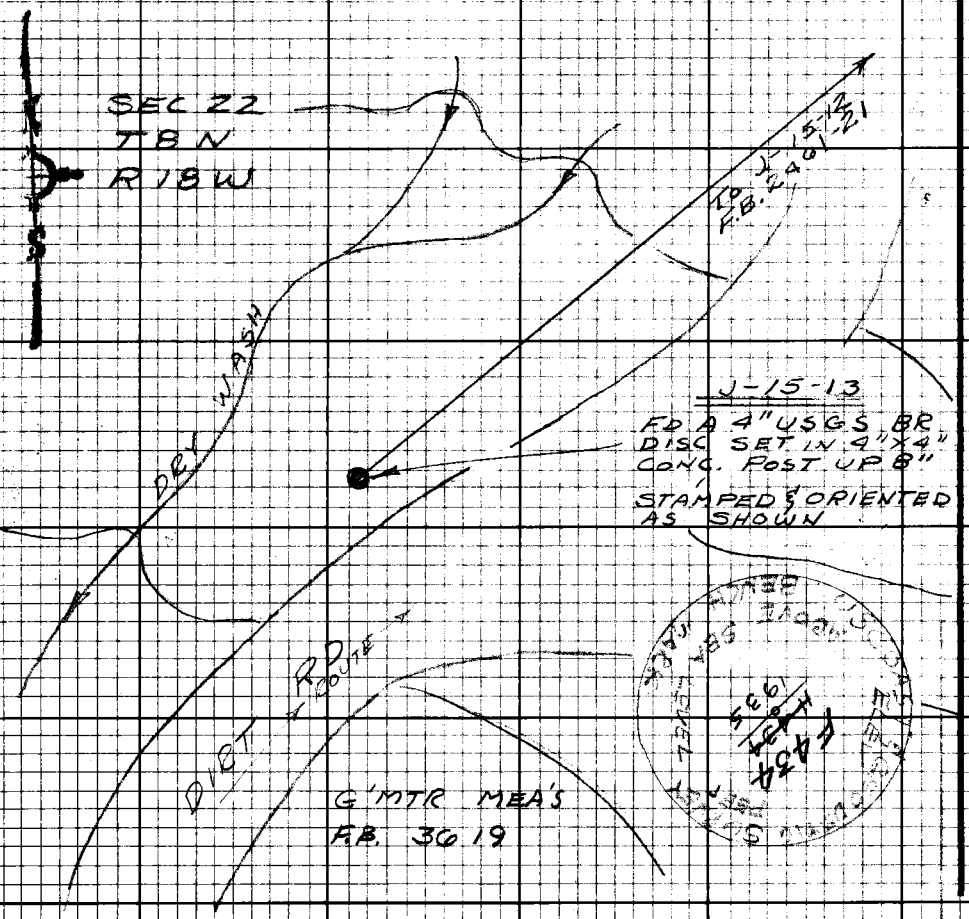
TRP3088 CE#310 9-67

F.B. 2961 Pg. 22

GORMAN J-15-13 (NOT OCCUPIED)

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY. IN THE N.W. Co AREA, 1100'± E. OF & 2050'± S. OF THE N.W. COR OF SEC 22, T8N, R18W. POINT IS MARKED "BM 3267 ON USGS 7.½" LEBEC QUAD SHEET.

ROUTE: FROM THE GOLDEN STATE FWY TRAVEL E.LY ON QUAIL LAKE RD 0.5 MI TO END OF PVMT. THENCE BEAR LFT (EAST) ON E. HUNGRY VALLEY RD 0.35 MI TO CATTLE GUARD @ RD. INTER. TN LFT (N.LY) & FOLLOW DIRT RD 0.7 MI TO POINT



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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 R.WILSON
Checked	Notes A DAMS Date 12-1-69
Date	Indexed C.J. GALLI JAN 7 '70

F.B. 2461 PG. 23

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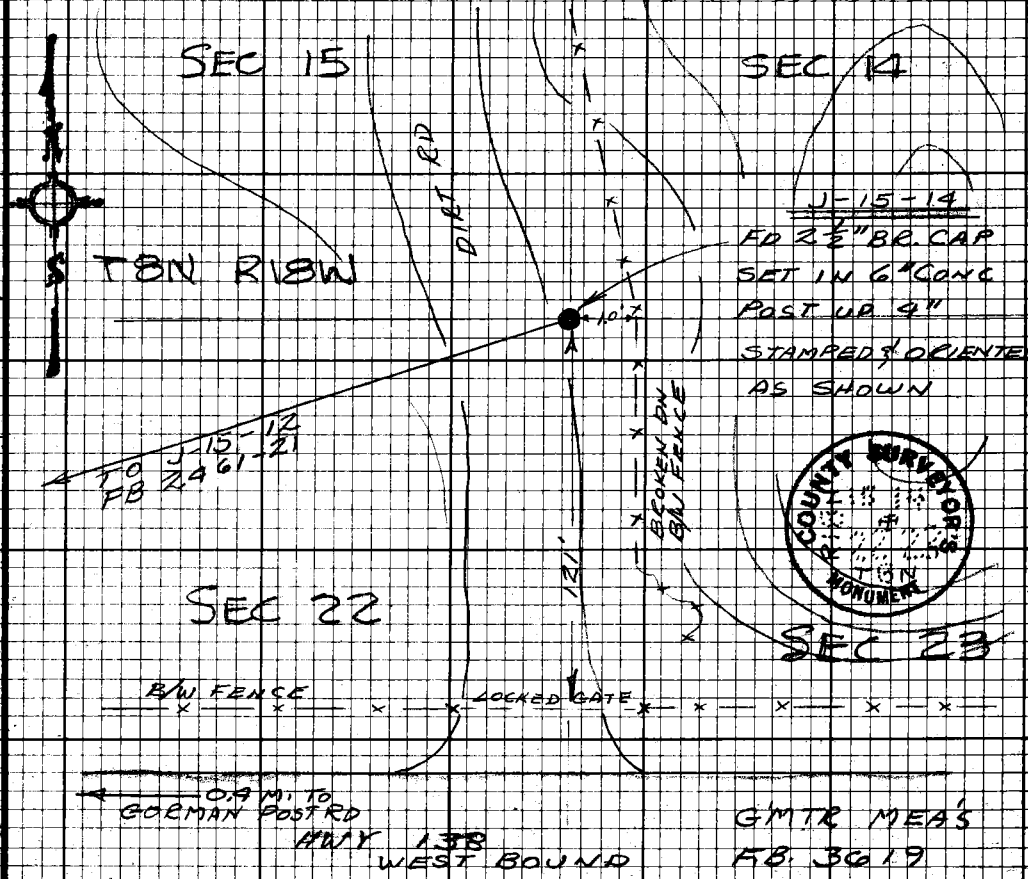
Placed on U.S. Quad. Sts.
Placed on Mar. Div. V.S. No.
Sketch on Doc. Desc. Card

GORMAN (NOT OCCUPIED)
J-15-14

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION. THE S.E. COR SEC 15, T8N, R18W. (EBEC 7½' QUAD SHEET.

ROUTE: FROM THE GOLDEN STATE FWY, TRAV, ELY ON HWY 138 2.3 MI TO GATE ON LFT (N,L,X) USE "L" KEY & PASS THRU GATE. PT IS 121' N. OF FENCE LINE.



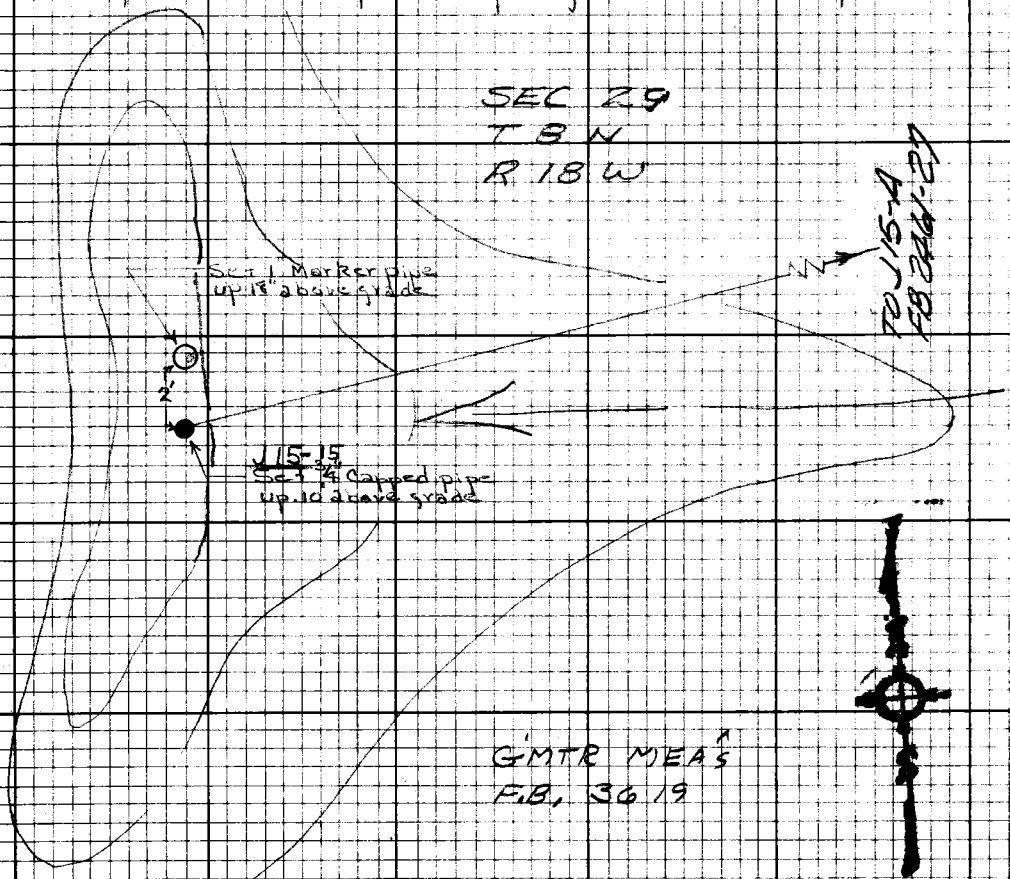
76F3098 CE#310 9-67

F.B. 2461 Pg 24

GORMAN
J15-15 (NOT OCCUPIED)

AREA: This point is located in the N.W portion of L.A. Co. in PEACE VALLEY. It is 1000'± N. & 1150'± W of the S.E. COR. of SEC. 29, T8N, R18W. See U.S.G.S 7½' sheet "BLACK MTN" Quad. 1958.

ROUTE: From the inter. of GOLDEN STATE FWY & QUAIL LAKE RD., travel WLY. 200'± on QUAIL LAKE RD. to its junction with PEACE VALLEY RD. Turn left (SLY.) on PEACE VALLEY RD. and proceed 0.80 miles to pavements end. Turn Right (WLY) on a dirt rd. and pass through a gravel quarry and wind up a canyon 0.80 miles to an EDISON tower site. Park & hike S.WLY. up a sharp ridge 1200'± to the point.



Set 4 Plastic refl's @ C' to J15A

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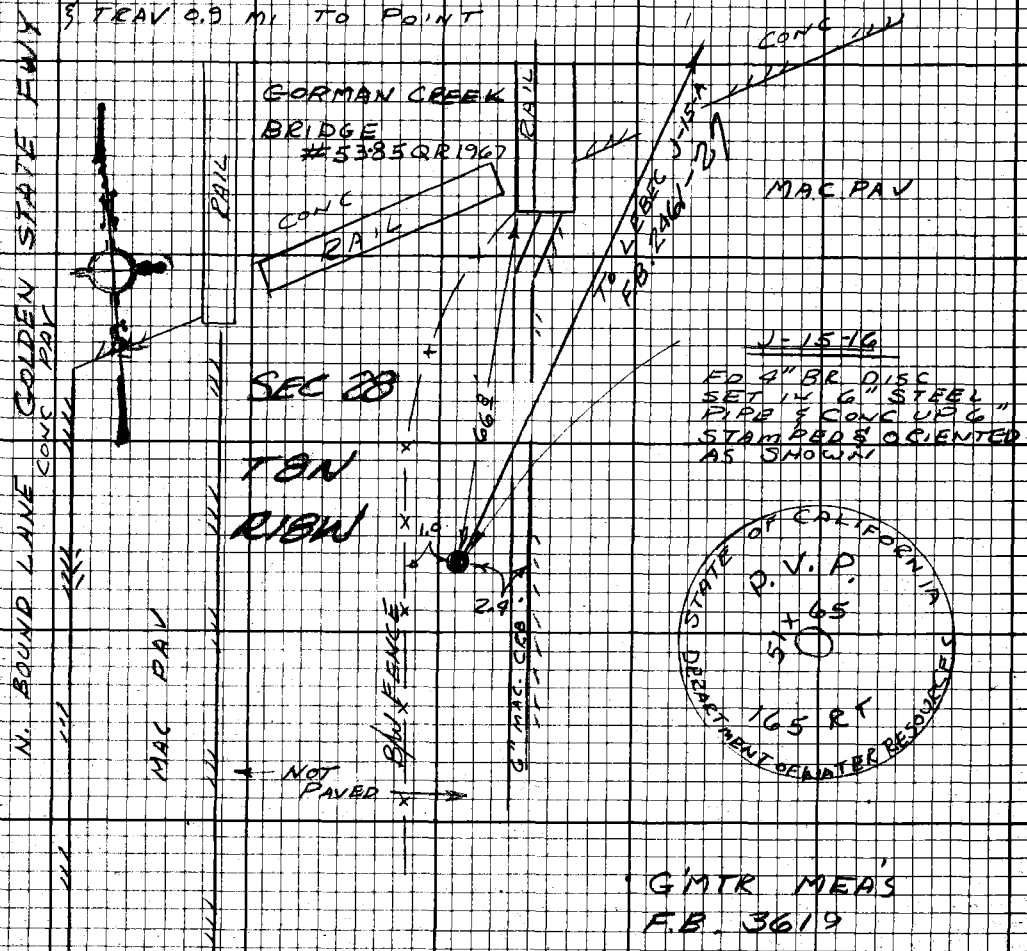
Notes Ck'd by	Survey of N.W. LA CO. PHOTO
Map No.	JN050100 Tape Std. °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 12-2-69
Date	Indexed C. J. GALLA JAN 7 70

F.B. 2461 PG. 25

GORMAN
J-15-16 (NOT OCCUPIED)

AREA: THIS POINT IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION, BETWEEN THE N. BOUND LANE OF THE GOLDEN STATE FWY & THE E. FRONTAGE RD IN SEC 28, T8N, R18W, 1100'± N. OF THE S. SEC LINE. BLACK MTN 7½' QUAD. SHEET.

ROUTE: FROM THE GOLDEN STATE FWY, TRAV E. ON QUAIL LAKE RD 0.3 MI THEN TN RT ON COPCO AVE & TRAV 0.9 MI TO POINT



G'MTR MEA'S
F.B. 3619

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Placed on U.S. Quad. Sets
Placed on Div. W.S. No.
Sketch on Sec. Desc. Card

76F3098 CE#810 9-67

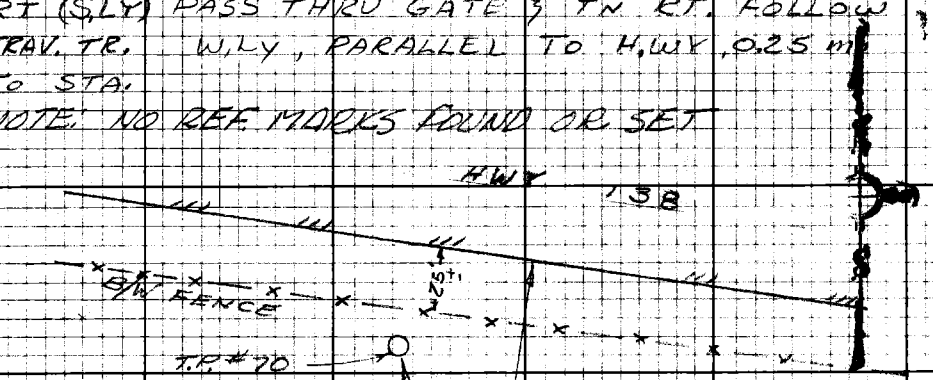
F.B. 2461 Pg 26

LEBEC N-13A ✓

AREA: THIS STATION IS LOCATED IN LOS ANGELES COUNTY IN THE N.W. PORTION, 550'± S. OF & 700'± E. OF THE N.W. COR OF SEC 23, T8N, R18W. USE USGS 7½' LEBEC QUAD SHEET.

ROUTE: FROM GOLDEN STATE FWY @ HWY 138 OFF RAMP TRAVEL E,LY ON 138 (FWY) 2.1 MI. TO END OF FWY. CONT. E. 0.35 MI TO GATE ON RT (S,LY) PASS THRU GATE & TN RT. FOLLOW TRAV. TR. W,LY, PARALLEL TO H,WY, 0.25 MI TO STA.

NOTE: NO REF MKS FOUND OR SET



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Notes Ck'd by

Map No.

Office Work

Checked

Date

Survey of Geodetic Control

JN 0321.00 Tape Std °F

Surveyed by Burlison

Notes Rew Date 10-19-68

Indexed D.L. GALLI JAN 7 '70

F. B. 2461 PG. 271

Listed on Index Card
Placed on U.S. Quad Sht.
Placed on Can. Sh. W.S. No.
Sketch on Coordinate 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
NEVE Z
1965

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC J 15 A
(USC&GS 341184-1033)

Pg. 1 of 4

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76F309S CE#310 1-65

F. B. 2961 Pg. 28 L

A. COUNTY SURVEY CONTROL SYSTEM TRIANGULATION STATION

LEBEC J 15 A

Pg 2 of 4

Measurements

300' # 221	level @ 72° Temp.	50 Mtr. 113
38.83' = 38.83'	11.835 m = 11.835 m =	38.83'
191.40' = 191.39'	58.336 m = 58.333 m =	191.38'
206.96' = 206.94'	63.078 m = 63.072 m =	206.93'

AREA: This triangulation station is located in L.A. Co. 4.8 mile sely from Gorman, 2900'± south and 2150'± east of the NW cor Sec 28 T8N R18W and 100'± east of the north bound lanes of the Golden State Fwy (Hwy 99) Lebec 7½' Quad Sheet.

ROUTE: From the north bound Golden State Fwy & Quail Lake Rd. off ramp Turn right (sely) on Quail Lake Rd. and travel 0.3 mile to Hwy 138 overpass - turn right on frontage rd. and travel sly parallel to freeway 0.65 mile. The station is on the ely side of frontage rd 39'± from pavt.

STATION MARK: a 4" USC&GS brass triangulation disc stamped "NEVE 2 1965" flush and set in a 14" conc. post.

REFERENCE MARKS:

No 1: Searched for and not found

No 2: a 4" USC&GS brass ref. mark disc stamped "NEVE 2 NO 2 1965" flush and set in a 14" conc. post.

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Notes Ck'd by	Survey of Geodetic Control	F. B. 2461 PG. 29
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by [illegible]	
Checked	Notes RAW Date [illegible]	
Date	Indexed C. L. GALLI JAN 7 '70	

Noted on Geo. Index Card
Placed on [illegible] Quad. Shts.
Placed on [illegible] W.S. No.
Sketch on Geo. Desc. Card

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC J 15A

Pg 3 of 4

BM W432. a 4" USC&GS brass bench mark disc stamped "W432. 1935" up 12" and set in a 6"x6" conc. post.

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76F309S CE#310 1-65

F. B 2461 Pg. 30

L A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC J-15 A

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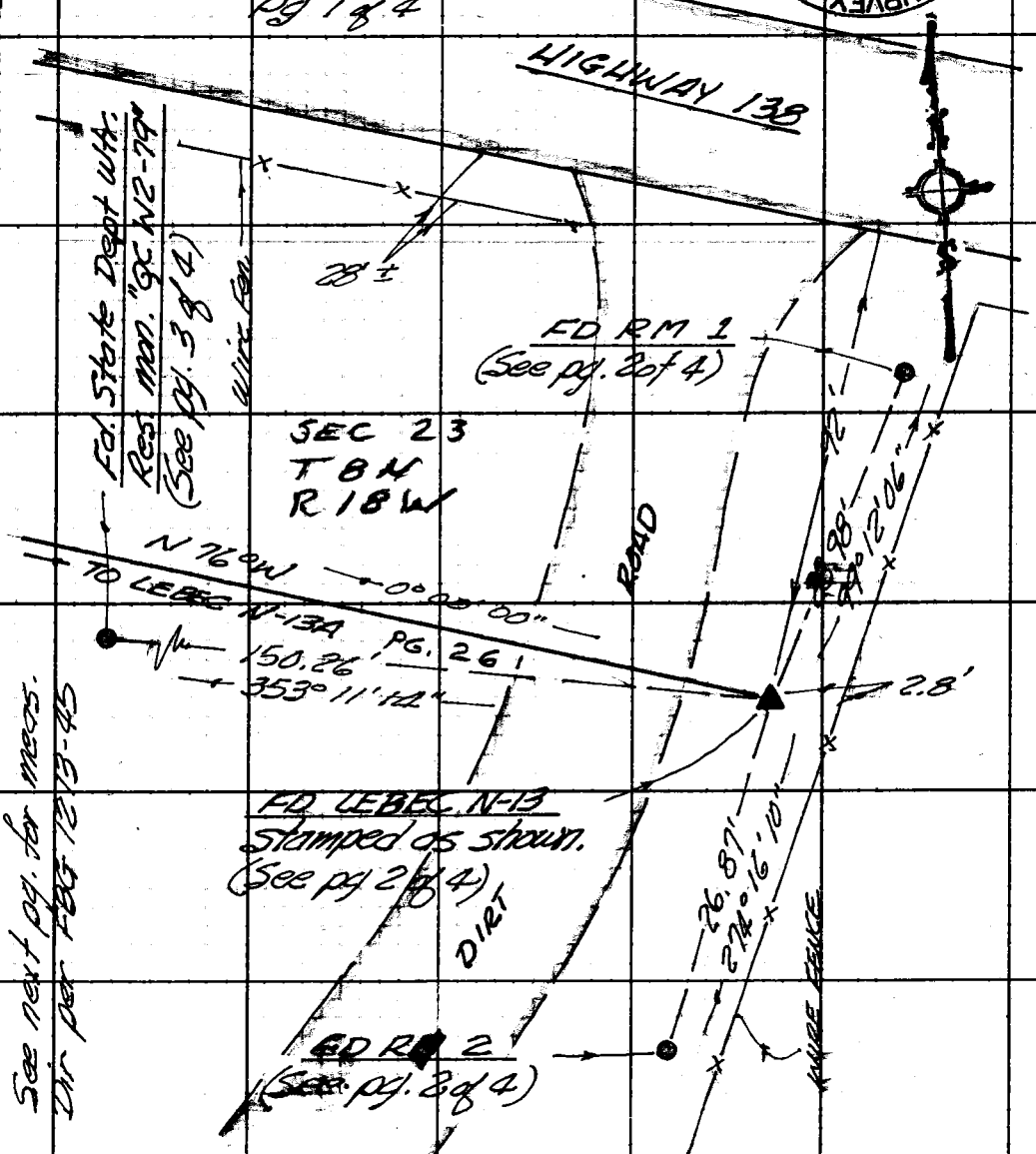
Notes Ck'd by	Survey of Geodetic Control	F. B. 2461 PG. 3/1
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by Bowidson	
Checked	Notes BWP Date 10-19-68	
Date	Indexed C. J. GALLI JAN 7 '70	

Mated on Geo. Mess. Card
Placed on U.S. Geod. Shts.
Placed on Sur. Mv. W.S. No.
Sketch on Geo. Mess. Card

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC N 13
(USC&GS 341184-)
Pg 1 of 4



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76F309S CE#310 1-65

F. 2461 Pg. 32

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC N 13

Pg 2 of 4

Measurements

300' # 221	Level @ 72° Temp.	50 Mtr M3
28.98' = 28.98'	8.834 m = 8.834 m =	28.98'
26.87' = 26.87'	9.190 m = 9.190 m =	26.87'
150.27' = 150.27'	45.801 m = 45.798 m =	150.26'

AREA: This triangulation station is located in L.A.Co. 3 miles ± east and 1.5 miles ± south of Gorman, 2000' ± E & 900' ± S of the NW cor. of sec. 23 T8N R18W and 90' ± south of Hwy 138. Lebec 7½' Quad Sheet.

ROUTE: From Golden State Fwy at Hwy 138 offramp: travel e'ly on highway 138 (fwy) 2.1 mile to end of freeway; continue east 0.35 mile to gate on the right (s'ly) station is inside gate 92' ± from edge of pavmt and 3' ± from fence line.

STATION MARK: a 4" USC&GS brass triang. disc stamped "QUAIL-F 1964" up 1" and set in a 12"x12" conc. pad. There is a drill hole in the disc off center. The center was used. No record of sub-surface mark being set.

REFERENCE MARKS:

No 1: a 4" USC&GS brass ref. mark disc stamped "QUAIL-F No 1 1964" up 1" and set in a 14" conc. post.

No 2: Same as No 1, except up 2" and stamped "No 2".

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Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by Rewilson	
Checked	Notes RW Date 10-18-68	
Date	Indexed C. T. GALLI JAN 7 '70	

Added on Index Card
Placed on U.S. Quad. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Dup. Desc. Card

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC N13 (Pg 3 of 4)

ADD'L MARK:
a 4" brass disc stamped " STATE OF CAL DEPT WAT RES QC W2-79 1968" up 6" and set in a 6" conc. post.

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76F309S CE#310 1-65

F. B. 2461 Pg. 34

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC N-13

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Notes Ck'd by	Survey of N.W. LA. CO. PHOTO
Map No.	JN030100 Tape Std °F
Office Work	Surveyed by R. WILSON
Checked	Notes ADAMS Date 12-4-69
Date	Indexed C.L. GALL JAN 7 70

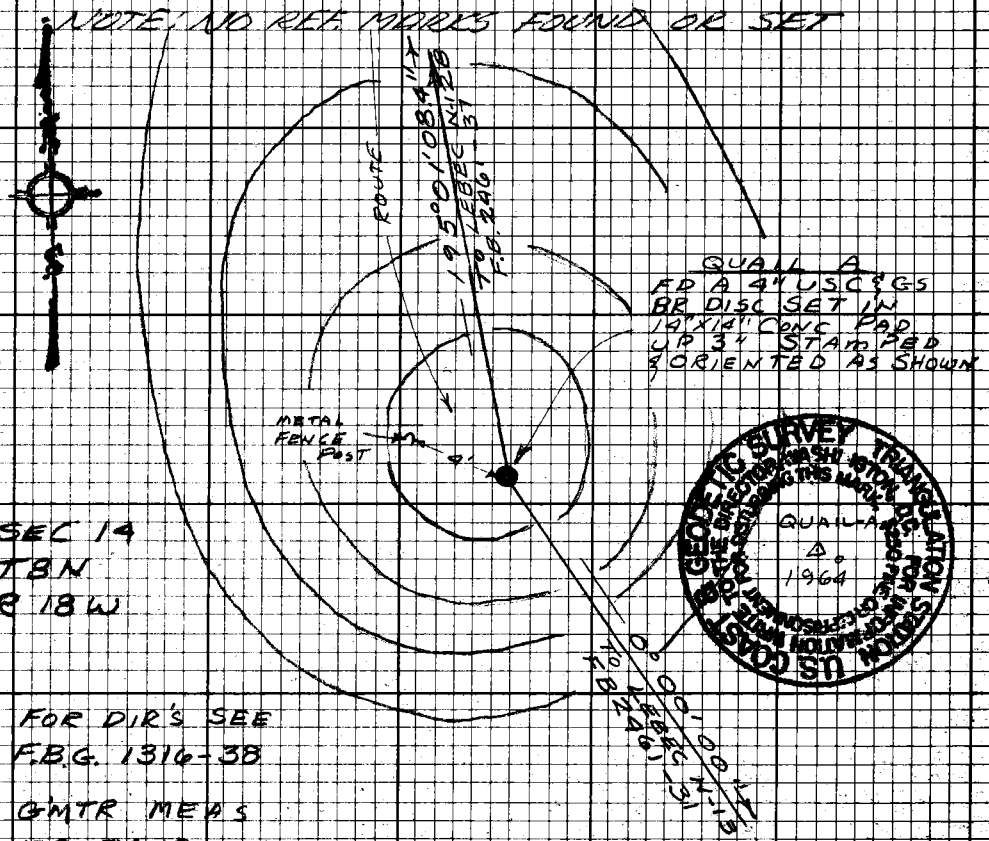
F.B. 2461 PG. 35

GORMAN
QUAIL "A" (LEB N-12C)

AREA: THIS STATION IS LOCATED IN LOS ANGELES COUNTY, IN THE N.W. PORTION, 200'± N. OF & 1200'± E. OF THE S.W. COR SEC 14, T8N, R18W. USE USGS 7½' LEBEC QUAD. SHEET.

ROUTE: FROM THE GOLDEN STATE FWY, TRAV E.LY ON HWY 138, 2.1 MI TO GATE ON LFT (N.LY) USE "L" KEY & PASS THRU GATE. FOLLOW DIRT RD 0.3 MI TO FENCE LINE TN RT (S.LY) & FOLLOW FENCE LINE 0.15 MI TO TOP OF RIDGE, THEN DN. RIDGE TO STATION.

NOTE: NO REF. MARKS FOUND OR SET



SEC 14
T8N
R 18W

FOR DIR'S SEE
F.B.G. 1316-38

G'MTR MEAS
F.B. 3619

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75F3098 CE#310 9-67

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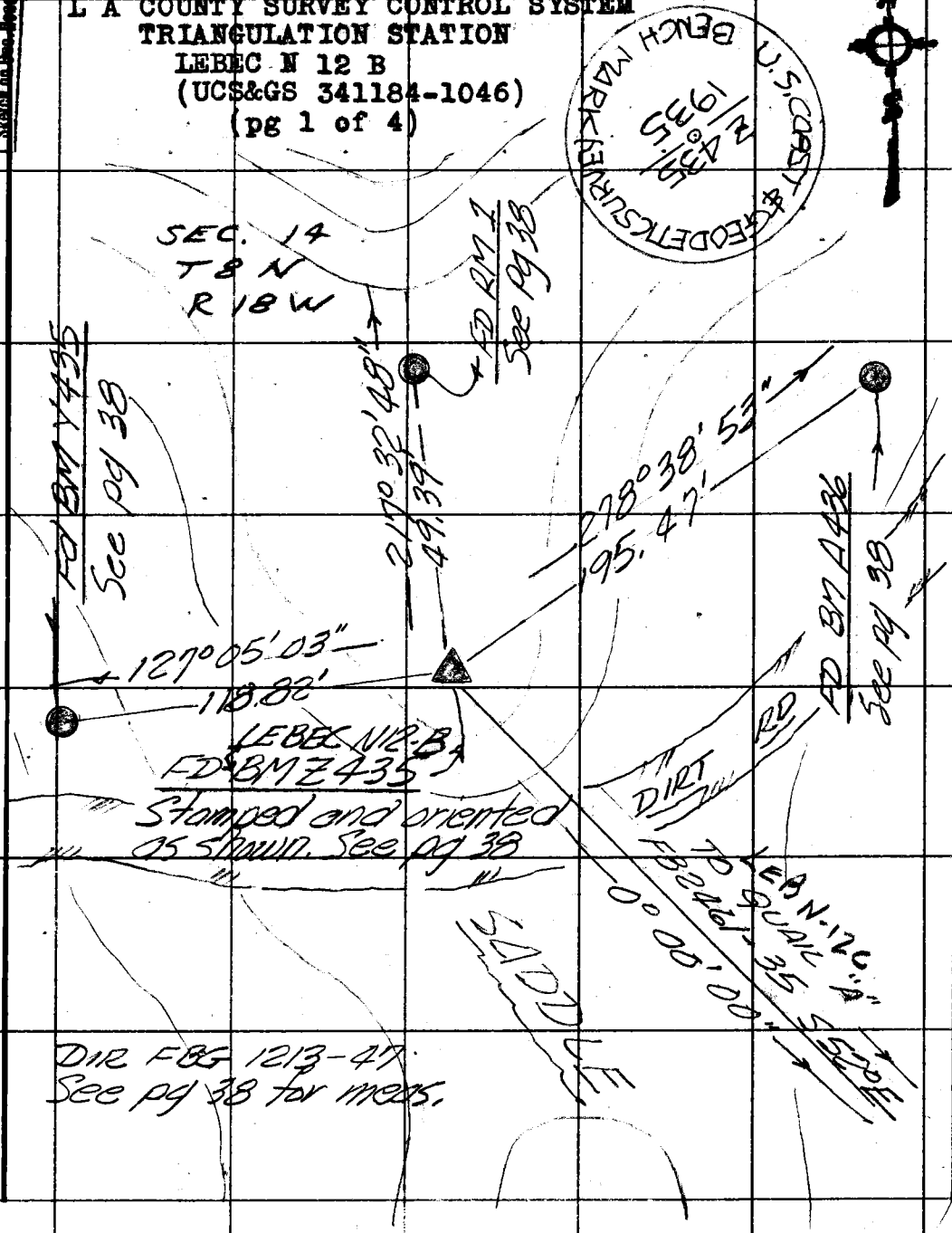
Map No.	Job 0301.00 Type Std °F
Office Work	Surveyed by Wilson
Checked	Notes Wilson Date 10/21/68
Date	Indexed C.J. GALLI JAN 7 70

F. B. 2461 PG. 37

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

L A COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC N 12 B
(UCS&GS 341184-1046)
(pg 1 of 4)



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76F309S CE#310 3-68

F. B. 2460 Pg 38

L A COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC N 12 B
(USC&GS 341184-1046)
(pg 2 of 4)

MEASUREMENTS

300'#221		Level at 70		50 Mtr M3
49.39'	49.39'	15.054m	15.054m	49.39'
195.49'	195.47'	59.583m	59.577m	195.46'

120.64 9 55 56 118.82'
36.873m 10 50 03 36.210m 118.81'

AREA: This triangulation station is located in the NW portion of LA County in the Gorman area, 1000' E and 1100' N of the SW corner of section 14, T8N, R18W. Lebec 7½' Quad sheet.

ROUTE: From the Golden State Freeway at the Highway 138 turnoff, travel 2.1 miles east on 138 to the end of the freeway and a gate on the left (N): pass thru gate (L key) and travel n'ly upgrade 0.4 miles to summit and saddle, the station on the left.

STATION MARK: A 4" USC&GS brass bench mark disc stamped "Z435 1935" and set in a 6"X6" conc. post up 6" above grd.

REFERENCE MARKS:

RM 1: A 4" USC&GS brass bench mark disc stamped "RM NO 1 Z435 1938" and set in a 6"X6" conc. post up 8".

BMA436: A 4" USC&GS brass bench mark disc stamped "A 436 1935" and set in a 6"X6" conc. post up 6".

BMY435: A 4" USC&GS brass bench mark disc stamped "Y 435 1935" and set in a 6"X6" conc post up 6".

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Map No.	JN Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Note R. C. Wilson Date 10/21/68
Date	Indexed C. J. GALLI JAN 7 '70

F. B. 2461 PG. 39

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Sketch on Geo. Box Card

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC N12-B

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

F. B 2461 PG 40

LEBEC N12-B

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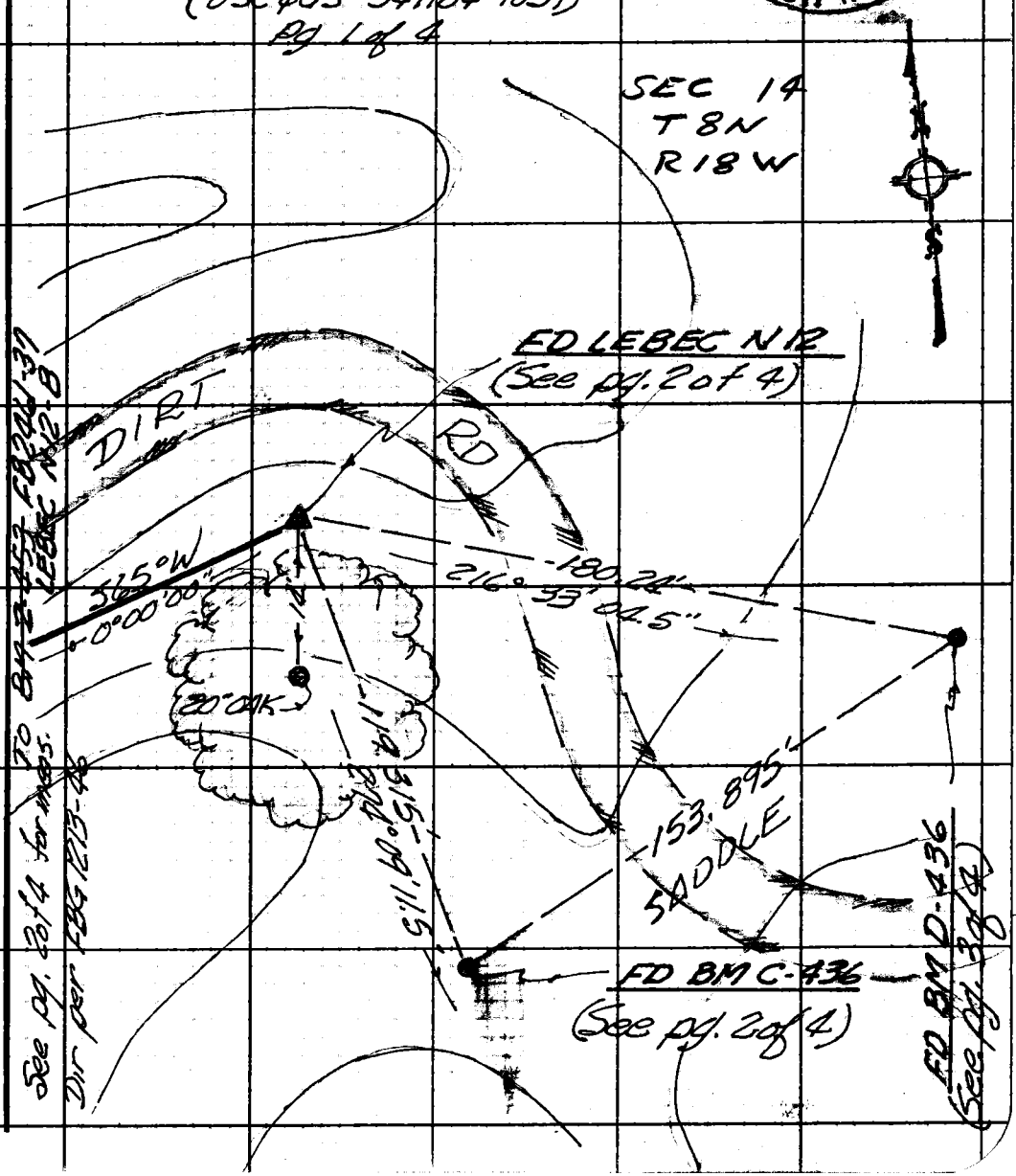
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by Bill Wilson	
Checked	Notes BW Date 10-21-68	
Date	Indexed C. J. GALLI JAN 2 '70	

US COAST & GEODETIC SURVEY TRIANGULATION STATION
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C. GEOPHYSICAL MARK
QUAIL 1938

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC N 12
(USC&GS 341184-1037)
Pg 1 of 4



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

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76F309S CE#310 1-65

F. B. 241 PG. 42

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC N-12
(Pg. 2 of 4)

Measurements

200' #221	Level @ 68° Temp.	58 Mtr M3
180.26' = 180.24'	54.946 m = 54.940 m =	180.25'
119.325 = 119.315'	36.370 m = 36.367 m =	119.315'
153.915 = 153.~~905~~ 895'	49.910 m = 49.904 m =	153.895'

AREA: This triang. sta. is located in L.A. Co 5 1/8 mile ± east and 1 1/4 mile ± south of Gorman, 1900' ± east and 1650' ± north of the NW cor. of Sec 23, T8N, R19W, marked "QUAK Δ BM 3563" on Lebec 7 1/2' Quad.

ROUTE: From Golden State Fwy at Highway 138 turn off - travel 2.4 mile east on 138 to end of freeway and a gate on the left (N) pass thru gate and travel up-grade (only) on traveled road 0.6 miles to the highest saddle and the station on the right, 14' north of a 20" Oak tree.

STATION MARK: a 4" USC&GS brass triang. disc stamped "QUAK 1938" up 1" and set in a 10"x10" conc. pad. USC&GS sta. card describes a "standard brass disk" sub-surface mark (34/124-1032)

REFERENCE MARKS:

BM D-436: a 4" USC&GS bench mark disc stamped "D436 1935" up 2" and set in a 6"x6" conc. post.

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Office Work
Checked
Date

Survey of Geodetic Control F. B. 2461 PG. 43
JN 030.00 Tape Std °F
Surveyed by RCW Wilson
Notes RCW Date 10-20-68
Indexed C. J. GALLI JAN 7 '70

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

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
LEBEC N 12
(Pg. 3 of 4)

BM C-436: a 4" USC&GS brass bench mark disc stamped "C436 1935" up 5" and set in a 6"x6" conc. post.

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76F309S CE#310 1-65

F. B. 2461 Pg. 44 L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

LEBEC N-12

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Map No.	JN 301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 5-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B 2461 PG. 45

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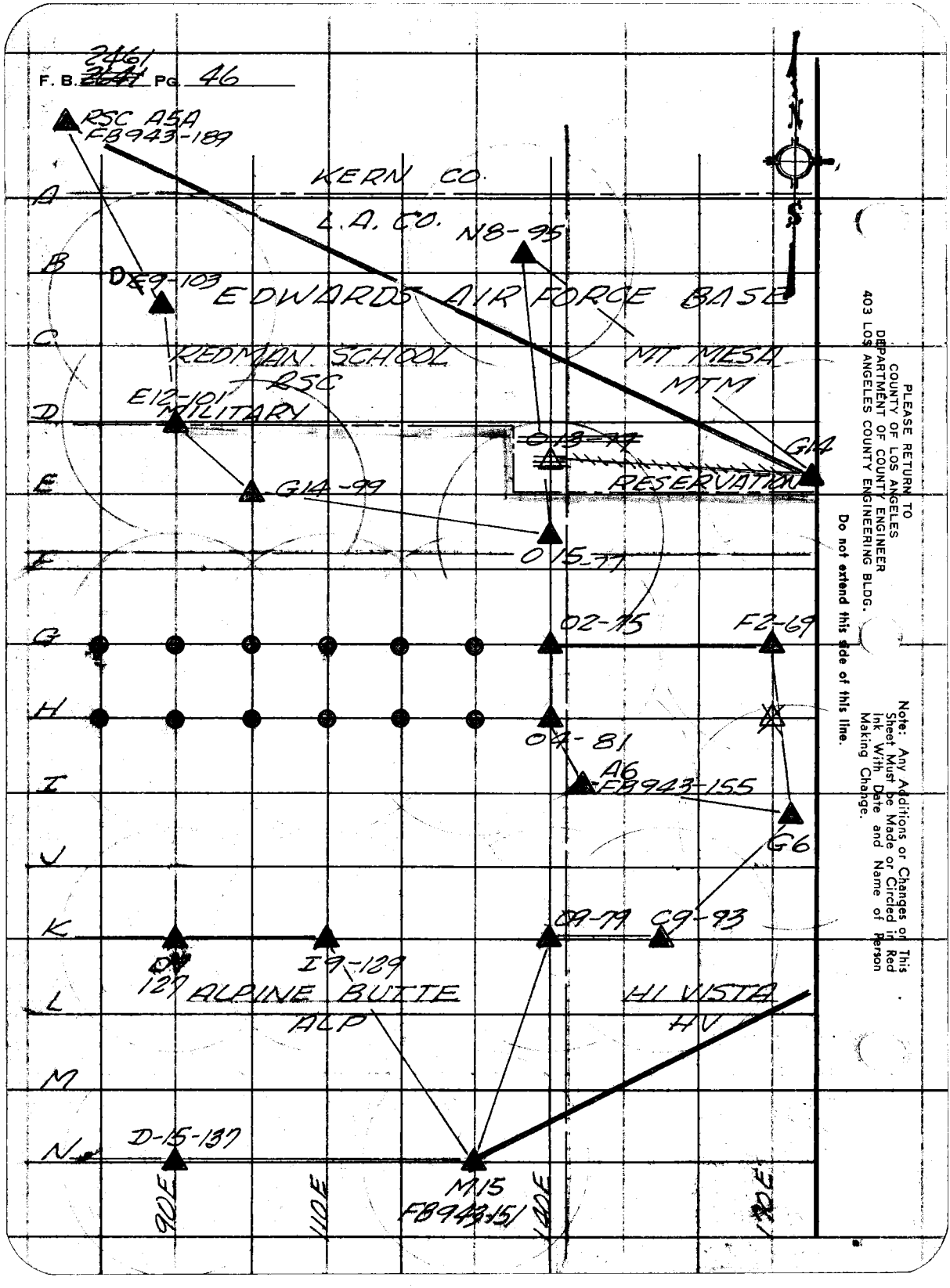
GEODETIC CONTROL
NE PORTION OF ANTELOPE VALLEY

JN 0301.00
MAY 1972

WILSON
KYLE
BARNETT
FISHER
FLOREK
MARTINEZ
COCKERHAM

76F309S CE#310 3-69


F. B. 2461 2641 Pg. 46
RSC A5A FB943-189
KERN CO.
L.A. CO.
N8-95
D89-103
EDWARDS AIR FORCE BASE
REDMAN SCHOOL
RSC
MT MESA
MTM
E12-101
MILITARY
G14
G14-99
RESERVATION
015-77
02-115
F2-69
02-81
A6
FB943-155
G6
09-79
C9-93
D
127
I9-129
ALPINE BUTTE
ALP
HI VISTA
HV
D-15-137
M15
FB943-151
A
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130E
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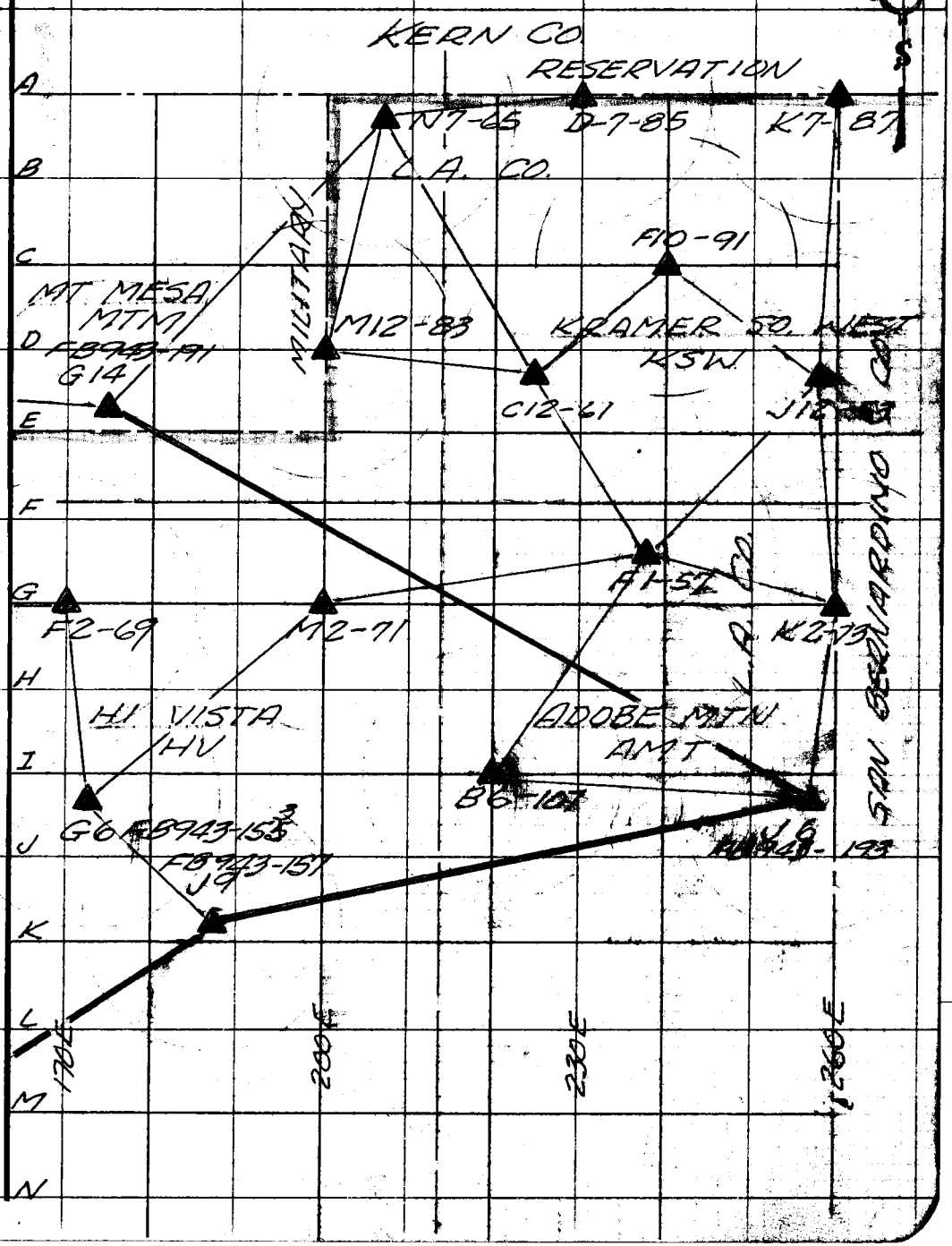
Notes Ck'd by	Survey of Geodetic Control
Map No.	Jn 0301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 5-72
Date	Indexed C. J. GALLI JUN 23 72

F. B. 2461 PG. 41



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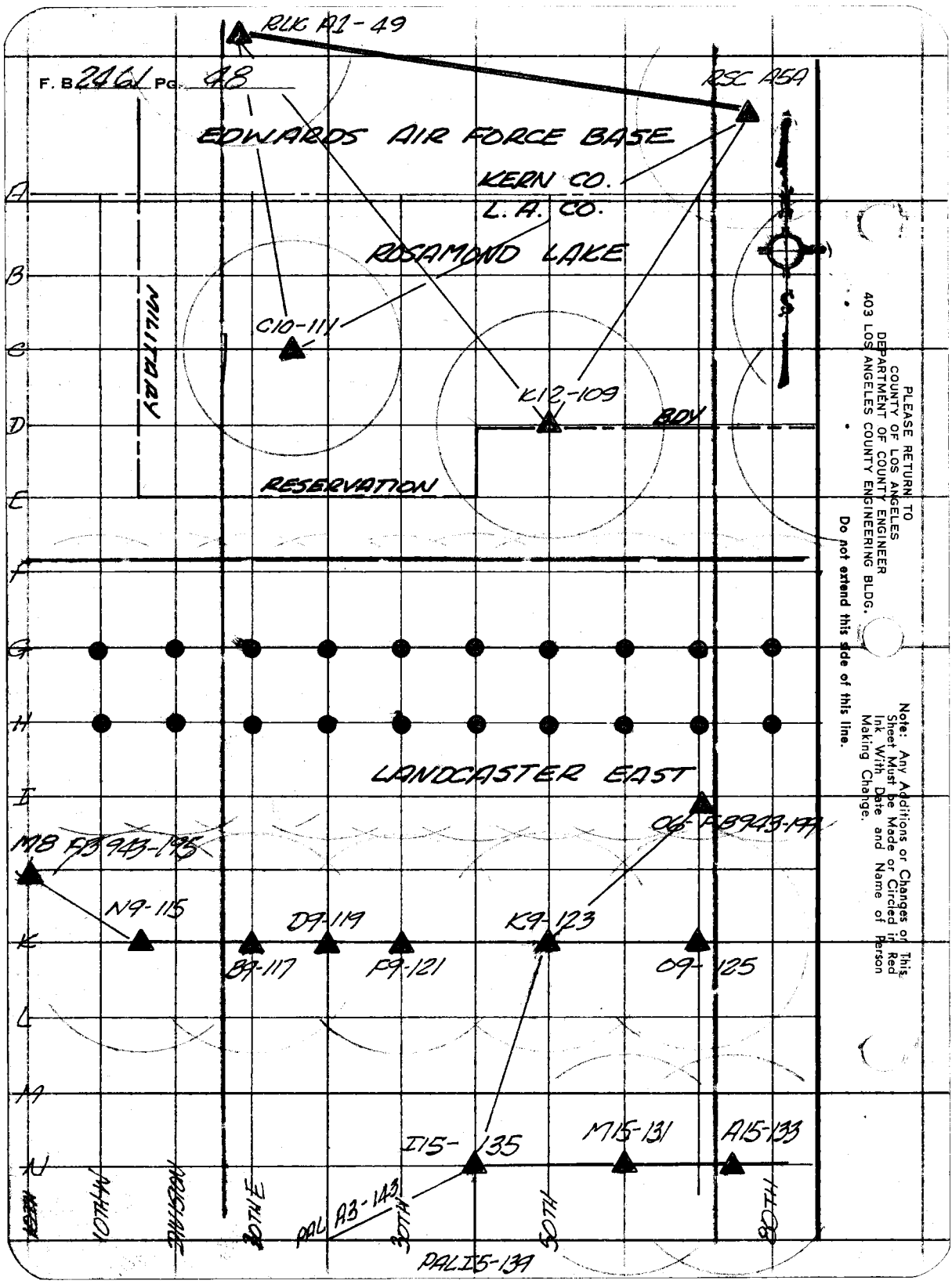
76F309S CE#310 3-69


RLK A1-49
F. B 246 Pg. 48
RSC A5A
EDWARDS AIR FORCE BASE
KERN CO.
L. A. CO.
ROSAMOND LAKE
MILITARY
C10-111
K12-109
BDY
RESERVATION
LANCASTER EAST
M8 FB 943-195
N9-115
D9-119
K9-123
B9-117
F9-121
09-125
I15-135
M15-131
A15-133
10TH W
ACACIA
30TH E
PAL A3-143
30TH
50TH
60TH
PAL I5-139
PLEASE RETURN TO
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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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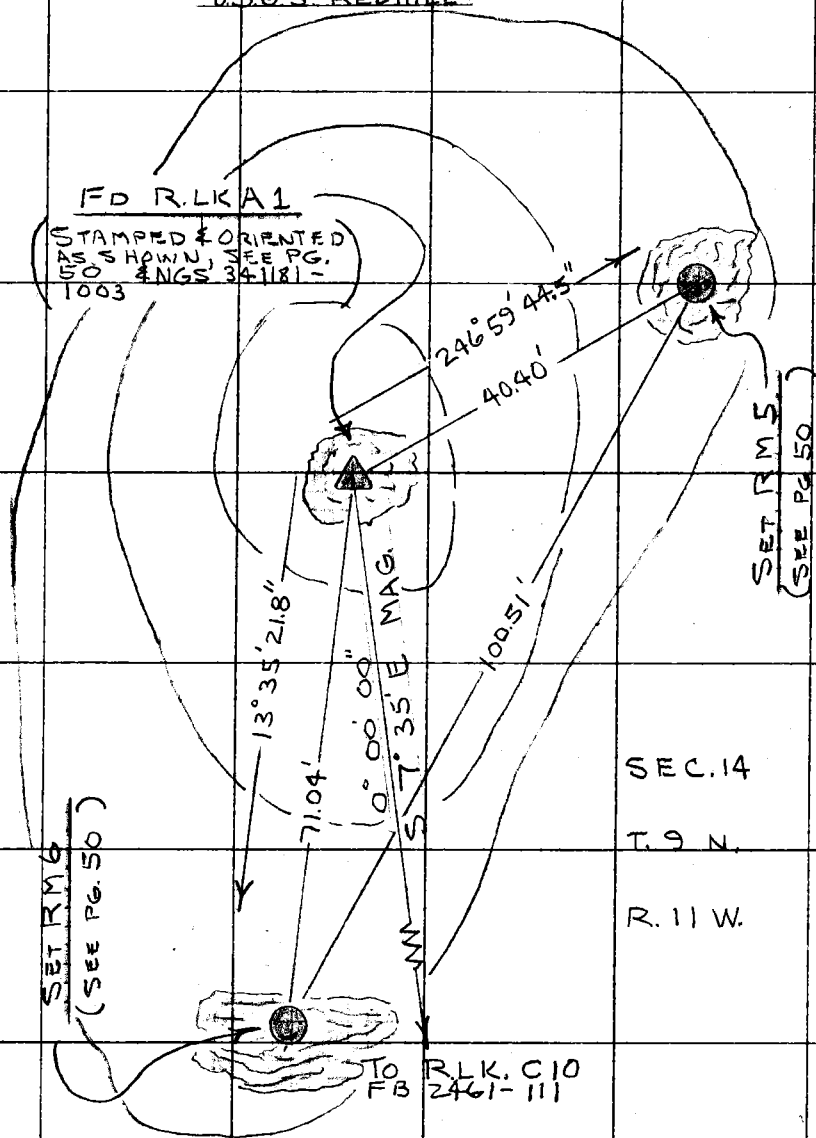
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std. °F
Office Work	Surveyed by R. C. WILSON
Checked	Notes C. PYLE Date 5/1/72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 49

U.S. GEOLOGICAL SURVEY REDHILL BM 1929

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ROSAMOND LAKE A1
U.S.G.S. "REDHILL"



DIRECTIONS - FBG 1370-21
MEASUREMENTS - SEE NEXT PG.

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76F309S CE#310 3-69

F. B. 2461 PG. 50

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ROSAMOND LAKE A1

50 MTR # 3 MEASUREMENTS 300' TAPE # 139

LEV. @ 91°

12.314 M =	12.314 M = 40.40'	40.40' = 40.40'
21.653 M =	21.653 M = 71.04'	71.04' = 71.04'
30.636 M =	30.636 M = 100.51'	100.51' = 100.51'

AREA

THIS TRI. STA. IS IN KERN CO., WITHIN THE BOUNDARY OF EDWARDS AIR FORCE BASE., ADJACENT TO THE NORTH W'LY. COR. OF ROSAMOND LAKE. IT IS ATOP A HILL MARKED "REDHILL" 1750' ± N & 1250' ± W OF THE S.E. COR. OF SEC. 14, T. 9 N., R. 11 W. SEE USGS. 15' SHEET "ROSAMOND, CALIF." QUAD. 1964

LAKE

ROUTE

FROM ITS INTER. WITH SIERRA HWY (ROUTE 14), TRAVEL EAST ON ROSAMOND BLVD. 1.3 MILES TO A PAVED ROAD ON THE LEFT (N.) FOLLOW THIS 0.15 MILE TO AN UNMAINTAINED PAVED ROAD BEARING RIGHT. FOLLOW THIS E'LY. AROUND A BARRICADE AND ALONG THE BASE OF A HILL 1.8 MILES TO A DIRT RD. ON THE LEFT. FOLLOW THIS N'LY. 0.2 MILE TO ANOTHER DIRT RD. ON THE LEFT PROCEED W'LY. ASCENDING A HILL 0.45 MILE TO TOP OF HILL AND STATION SITE.

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Office Work	Surveyed by R C WILSON
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Date	Indexed C. J. GALLI JUN 23 72

F. B. 2461 PG. 51

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L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ROSAMOND LAKE A1

STATION MARK

A 4" U.S.G.S. BRASS BENCH MARK DISC. STAMPED: "REDHILL 1929", CEMENTED IN A NATIVE ROCK OUTCROPPING 4" BELOW GRADE.

SUB SURFACE MARK

NO RECORD OF ANY MARK BEING SET

REFERENCE MARKS

RM 1 To RM 4: SEARCHED FOR AND NOT FOUND.

RM 5: A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED: "ROSAMOND LAKE A1 RM 5 1972 RE 7078". BONDED FLUSH IN AN 18" DIA. NATIVE ROCK OUTCROPPING WHICH IS 6" ABOVE GRD. AND 4'± LOWER IN ELEV. THAN CTR. STA.

RM 6 IDENTICAL TO "RM 5" EXCEPT STAMPED "RM 6". BONDED IN A LARGE ROCK OUTCROPPING 3" BELOW THE SURFACE. IT IS 5'± LOWER IN ELEV. THAN THE CTR. STA.

76F309S CE#310 3-69

F. B. 2461 Pg. 52

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ROSAMOND LAKE A1

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Office Work	Surveyed by RCW
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Date	Indexed C. J. GALLI JUN 23 72

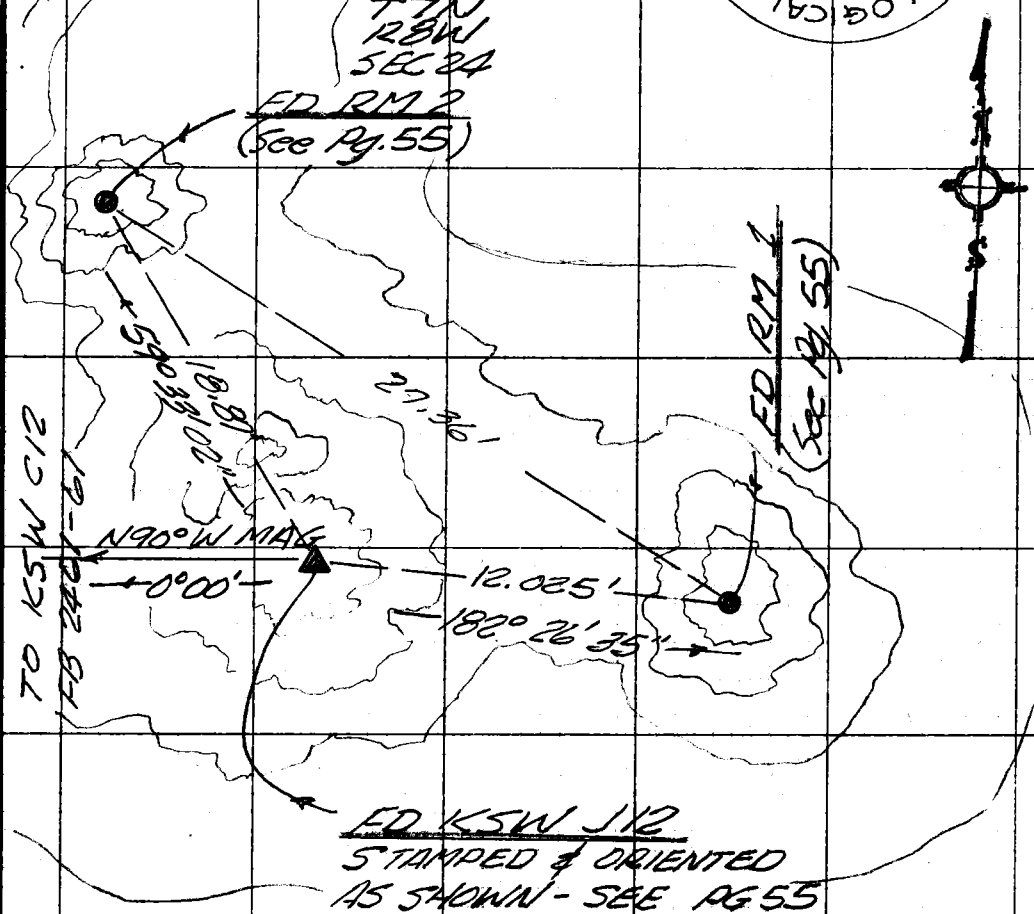
F. B. 2461 PG. 531

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

GEOLOGICAL SURVEY
IN COOPERATION WITH
LOS ANGELES COUNTY
ELEVATION
JAQUES SEA
FEET
RS 1929
SUNDAY LINE
250 DOLLARS FINE
FOR DISTURBING THIS MARK

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

KRAMER SO WEST J12
(NGS 341174-1010)



DIR PER FBG 1370-23
SEE NEXT PG. FOR MEAS.

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76F309S CE#310 3-69

F. B 2461 PG. 54

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

KSW - 112

300' #221 — MEASUREMENTS — 50 MTR M6

LEVEL @ 1200'T

12.025' = 12.025'	3.667m = 3.667m =	12.03'
18.87' = 18.87'	5.753m = 5.753m =	18.875'
27.36' = 27.36'	8.341m = 8.341m =	27.365'

AREA: THIS TRIANG. STA. IS LOCATED IN THE NE PORTION OF L.A. CO. 1200' ± W & 650' ± SO OF THE NE COR SEC 24, T7N, R.8W & MARKED "3340 SUNDAY" ON 15" KRAMER, CAL" QUAD SHEET

ROUTE: FROM ITS INTER. WITH AVE G, TRAVEL N. ON 260TH EAST 2.3 MILE TO GRADED CROSS ROAD: TURN LFT (W) 0.2 MILE TO T T ON RT: TURN RT (N) AND FOLLOW UP SMALL CYN 0.4 MILE: TURN LFT (W) ON T T 0.2 MILE TO TOP OF SPUR: TURN RT (N) & THEN LFT (E) AND FOLLOW AROUND BASE OF SPUR 0.4 MILE UP DRAW. PARK AND HIKE EAST TO SADDLE, THEN NORTH UP SPUR TO HIGH POINT & STA IN ROCK OUTCROP. 20 MIN. HIKE.

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Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 55

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GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

KSW J12

STATION MARK:

A 4" USGS BRASS TRIANG. DISC STAMPED " IN COOPERATION WITH LOS ANGELES COUNTY RS 1929 SUNDAY" CMTD FLUSH IN LARGE ROCK OUTCROP. NO SUB-SURFACE MARK.

REFERENCE MARKS:

RM 1 - A 4" USCGS BRASS REF MARK DISC STAMPED" SUNDAY USGS LAC NO 1 1940" CMTD FLUSH IN LARGE ROCK OUTCROP.

RM 2 - SAME AS RM 1, EXCEPT STAMPED "NO 2".

76F309S CE#310 3-69

F. B. 2461 Pg. 56

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

KSW J12

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Office Work	Surveyed by R.C. WILSON
Checked	Notes C. PYLE Date 5/4/72
Date	Indexed C. J. GALLI JUN 23 '72

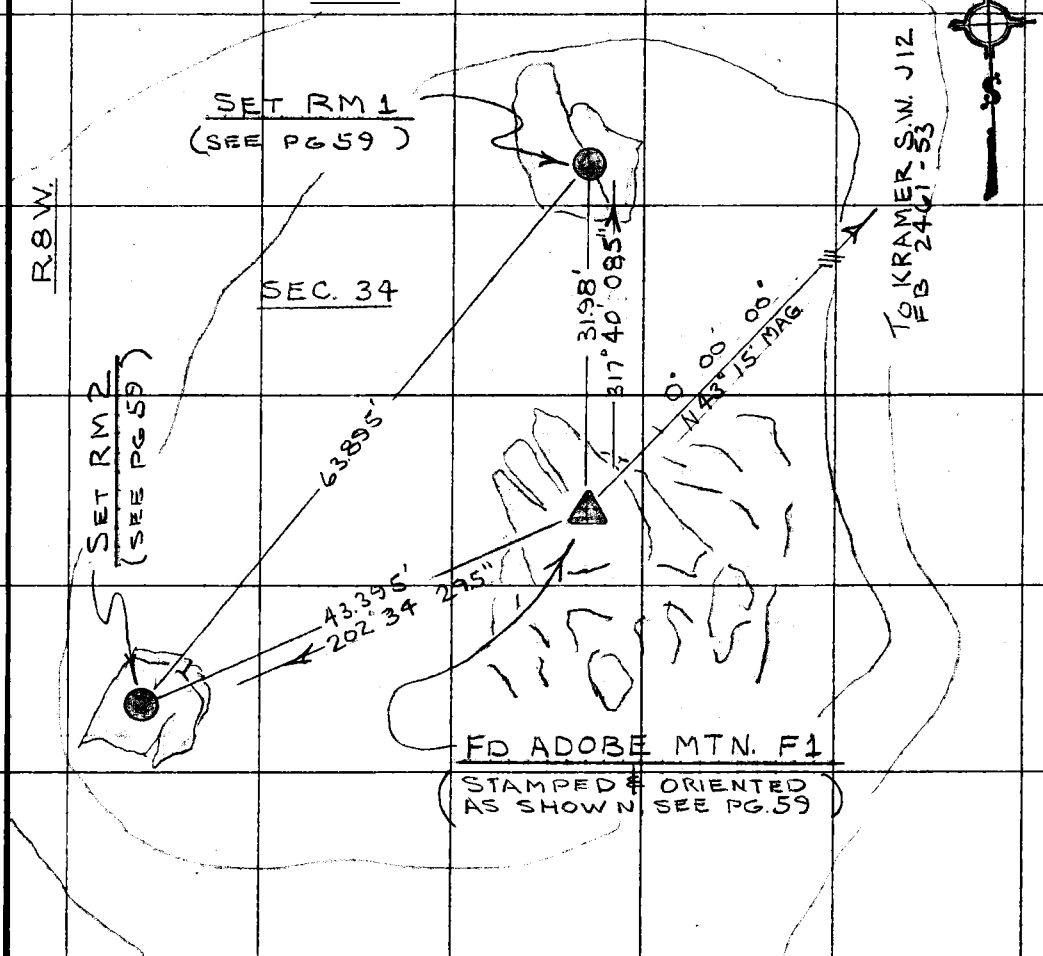
F. B. 2461 PG. 57

US GEOLOGICAL SURVEY IN COOPERATION WITH LOS ANGELES COUNTY ELEVATION 1 ABOVE SEA LEVEL RS 1929 MONDAY 250 DOLLARS FINE FOR DISTURBING THIS MARK

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

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ADOBE MTN. F1
(USGS MONDAY)
T. 8 N.



MEASUREMENTS - SEE NEXT PAGE
DIRECTION - FBG 1370-2

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2461 Pg. 58

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ADOBE MTN. F 1

50 MTR # M6 — MEASUREMENTS — 300' TAPE # 221

LEV. @ 64'

9.747 M = 9.747 M = 31.98'	31.975' = 31.975'
13.228 M = 13.225 M = 43.39'	43.41' = 43.40'
19.477 M = 19.474 M = 63.90'	63.90' = 63.89'

AREA THIS TRI. STA. IS IN L.A. CO. IN THE VICINITY OF "HIVISTA" ADJACENT TO "EL MIRAGE VALLEY". IT IS 3200' ± N & 950' ± W OF THE S.E. COR. OF SEC. 34, T.8N., R.8W. SEE U.S.G.S. 15' SHEET "SHADOW MTNS. CALIF." QUAD. 1942.

ROUTE FROM ITS INTER. WITH 200TH ST. E. TRAVEL E. ON AVE "G" 3.9 MILES TO A DIRT RD. ON THE LEFT (N.) FOLLOW THIS 0.5 MILE TO A HIGH ROCKY KNOB VISIBLE TO THE EAST AND THE STATION SITE.

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Office Work	Surveyed by R. C. WILSON
Checked	Notes C. PYLE Date 5/4/72
Date	Indexed C. J. GALLI JUN 23 72

F. B. 2461 PG. 59

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

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ADOBE MTN. F1

STATION MARK

A 4" U.S.G.S. BRASS TRI. STA. DISC STAMPED "IN COOPERATION WITH LOS ANGELES COUNTY RS 1929 MONDAY". SET FLUSH IN A LARGE PLUTONIC (GRANITE) ROCK OUTCROPPING.

SUB SURFACE MARK

NO RECORD OF ANY BEING SET

REFERENCE MARKS

RM 1

A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "ADOBE MTN F1 RM1 1972 RE 7078". BONDED FLUSH IN THE TOP OF A 4'x6' GRANITE BLDR. 20" ABOVE GRD.

RM 2

IDENTICAL TO RM1 EXCEPT STAMPED "RM 2". SET IN 6'x12' GRANITE OUTCROP.

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2461 Pg. 60

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ADOBE MTN F 1

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Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 5-22-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 61

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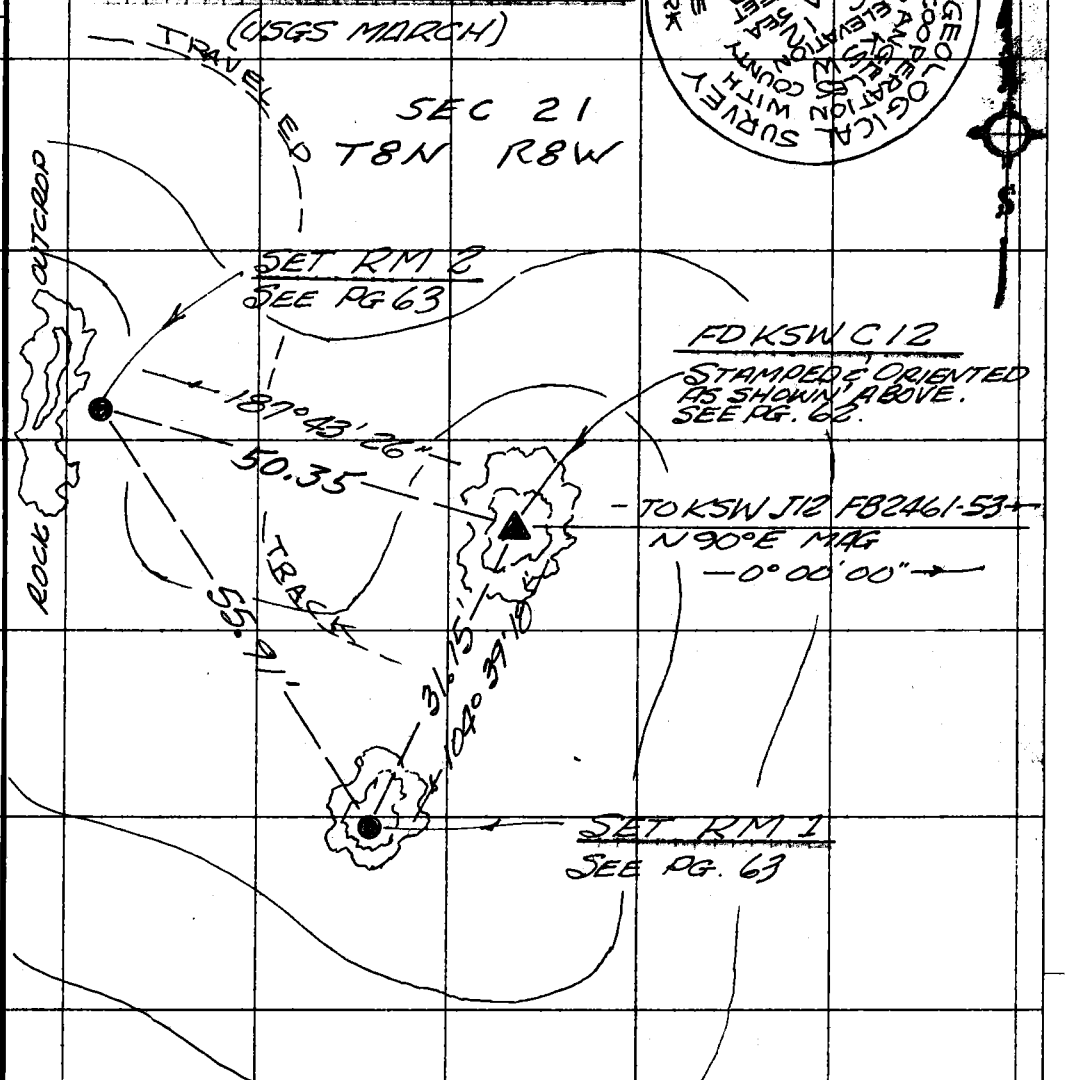
GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

KRAMER SO. WEST C-12

(USGS MARCH)



See next pg. for meas.
Dir. per. FBG 1370-12

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76F309S CE#310 3-69

F.B. 2461 PG. 62

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
KRAMER SO. WEST C12

300'# 139 **MEASUREMENTS** 50 MTR M3

31.15' = 31.15'	9.490m = 9.490 = 31.15'
50.35' = 50.35'	15.346m = 15.346m = 50.35'
55.91' = 55.91'	17.043m = 17.043m = 55.915'

AREA:

THIS TRIANG. STA. IS LOCATED IN THE N.E. PORTION OF L.A. CO. 2800'± W & 700'± S OF THE NE COR SEC 21, T8N, R8W ON A ROCKY BUTTE MARKED "MARCH △" PER "KRAMER, CAL" 15' QUAD. SHEET.

ROUTE:

FROM ITS INTER. WITH AVE G, TRAVEL N. ON 220TH ST EAST 2.6 MILE TO A GRADED DIRT RD ON THE RT (E): TURN RT & TRAVEL E 0.3 MILE TO A GRADED DIRT RD ON THE LFT (N): TURN LFT & TRAVEL N 0.1 MILE TO RD. TO RT (E) TURN RT 0.1 MILE TO TRAVELED TRACK ON LFT (N) TURN LFT AND FOLLOW T.T. N, THENCE E 0.2 MILE TO TOP OF BUTTE & THE STATION.

STATION MARK:

A 4" USGS BRASS TRIANG. DISC STAMPED "KSW C12 RS 1929 MARCH" CEMENTED FLUSH IN 2'X2' ROCK OUTCROP.

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Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 63

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GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
KRAMER SO. WEST C12

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED " KRAMER SO. WEST C12 RM1 1972 RE 7078" CEMENTED FLUSH IN ROCK OUTCROP.

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

76F309S CE#310 3-69

F. B. 2461 PG. 64

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

KRAMER SO. WEST C12

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Office Work	Surveyed by RC Wilson
Checked	Notes RCW Date 5-19-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 65'

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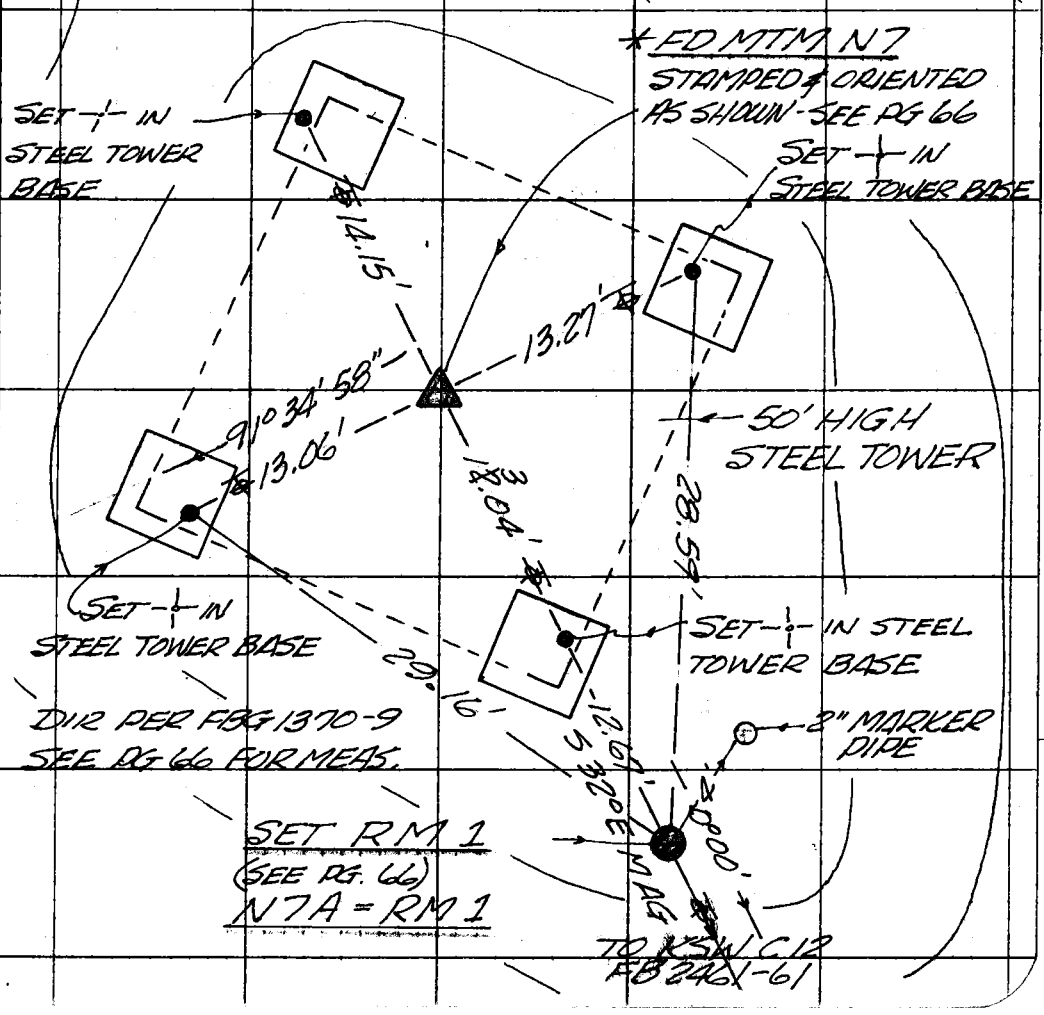
* USE CAUTION AT THIS STA. DUE TO MANY OPEN VERTICAL SHAFTS.

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

MT MESA N 7
MT MESA N 7A
(USGS PROSPECT)
SEC 6
T8N
R8W

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



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F. B. 2461 PG. 66

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

MTM N7

T@ 60° @ L	MEASUREMENTS	T@ 60° @ L
300' # 221		50 MTR M6
28.59' = 28.59'		8.714 m = 8.714 m = 28.59'
29.16' = 29.16'		8.889 m = 8.889 m = 29.16'
13.04' = 13.04'		7.837 m = 7.837 m = 25.71'
12.67' = 12.67'		13.06' = 13.06' 14.15' = 14.15'
25.71'		13.27' = 13.27'

AREA: THIS TRIANG. STA. IS LOCATED IN THE N.E. PORTION OF LOS ANGELES CO. 1600' ± W. & 2100' ± S. OF THE N.E. COR. OF SEC 6 T8N R8W AND MARKED "SHAFTS TUNNEL 2718 Δ" PER "ROGERS LAKE" 15' QUAD SHEET.

ROUTE: FROM THE INTER. OF 200TH ST EAST & AVE B: FOLLOW TRAVELED TRACK NE TOWARD LOW RIDGE WITH 50' STEEL OBSERVATION TOWER 1.0 MILE TO TOP OF RIDGE: TURN LFT (NW) 500' ± ALONG RIDGE TO TWR & STATION LOCATED UNDER CTR OF TOWER.

STATION MARK:
A 4" USGS BRASS TRIANG. DISC STAMPED "PROSPECT RS 1929" UP 6" UNDER CTR OF 50' STEEL OBSERVATION TOWER & SET IN 14" X 14" CONC. PAD. NO RECORD OF SUB-SURFACE MARK.

REFERENCE MARKS:

MTM N7A = RM 1:
A 4" L.A. CO. SUR. CON. SYS. BRASS REF MARK DISC STAMPED "MT MESA N7 RM 1 1972 RE 7078" UP 2" & SET IN 8" CONC. POST, AND ON LINE TO KSW C-12

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Office Work	Surveyed by RCWILSON
Checked	Notes RCW Date 5-19-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 67

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GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
MT MESA N 7

ADDITIONAL TIES:

Φ TIES SET AS SHOWN ON PG 65.

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76F309S CE#310 3-69

F. B. 2461 PG. 68

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

MT MESA N 7

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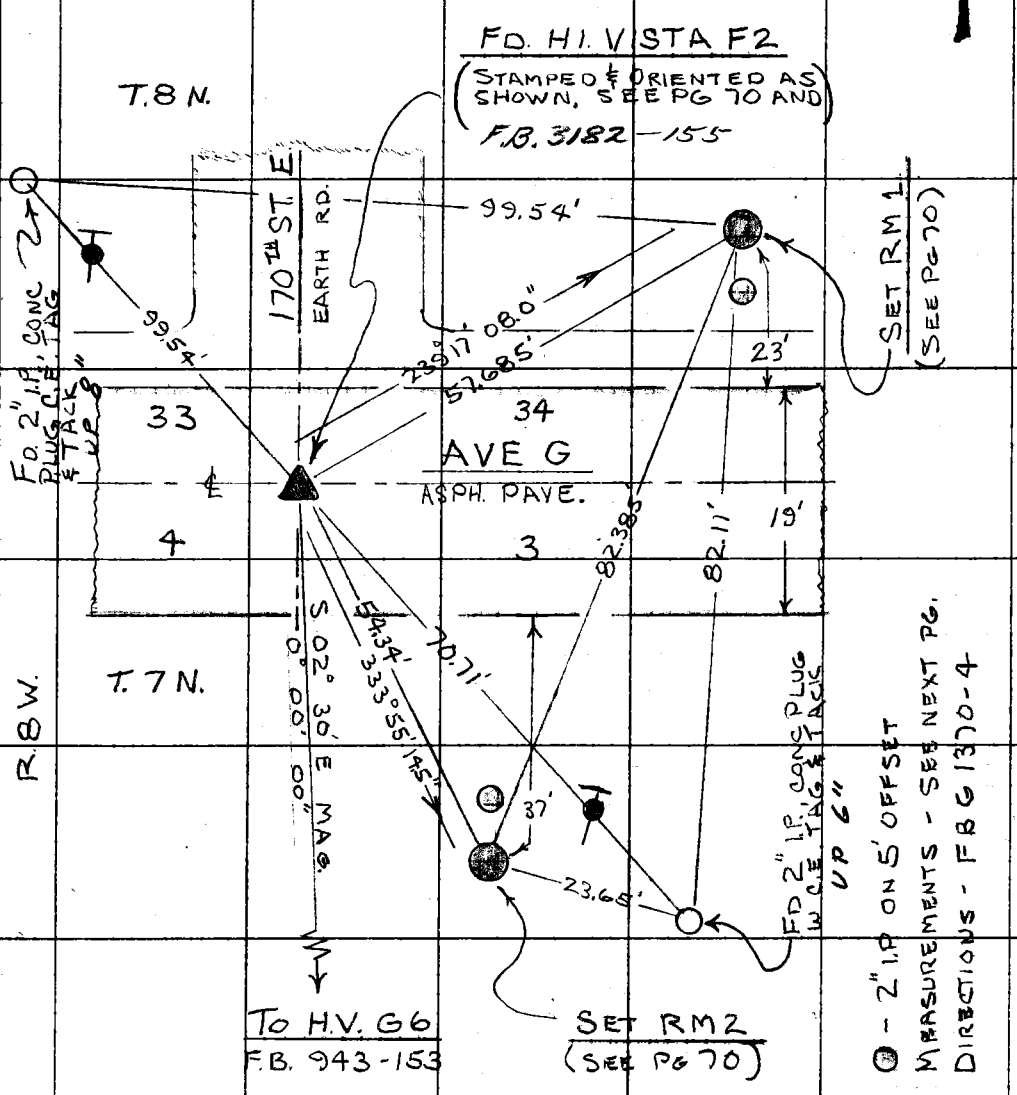
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C. PYLE Date 5/16/72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 69

COUNTY SURVEYOR R8W T8N 33 34 4 3 T7N RE2177

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

HI VISTA F2
(BM 124-6)
1967 el = 2932.357



○ - 2" I.P. ON 5' OFFSET
MEASUREMENTS - SEE NEXT PG.
DIRECTIONS - FBG 1370-4

Noted on Geo. Desc. Card
Placed on U.S. Geol. Shts.
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76F309S CE#310 3-69

F. B. 2461 PG 70

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HI VISTA F2

50 MTR # M6 | MEASUREMENTS | 300' TAPE # 221

LEVEL @ 62°

17.587 M = 17.584 M =	57.69'	57.69' = 57.68'
16.566 M = 16.563 M =	54.34'	54.35' = 54.34'
25.112 M = 25.109 M =	82.39'	82.39' = 82.38'
		70.71' = 70.70'
		70.72' = 70.71'
		99.55' = 99.54'
		82.12' = 82.11'
		23.65' = 23.65'

AREA & ROUTE

THIS TRAVERSE STA. IS IN L. A. CO., IN THE "ANTELOPE VALLEY" AT THE INTER. OF AVE G & 170TH ST EAST.

STATION MARK

A 2½" BRASS COUNTY SURVEYOR DISC STAMPED "33 34 4 3 T8N T7N R8W RE2177" SET IN A 6" CONC. POST WHICH IS IN A MON. WELL 22" BELOW PAVE. SURFACE. NO RECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

R.M.1 A 4" L.A. CO. SUR. CONT SY. BRASS REF. MARK DISC, STAMPED: "HI VISTA F2 RM 1 1972 RE 7078" SET IN AN 8" CONC POST 2" ABOVE GRD.

RM2 IDENTICAL TO RM1 EXCEPT STAMPED "RM 2".

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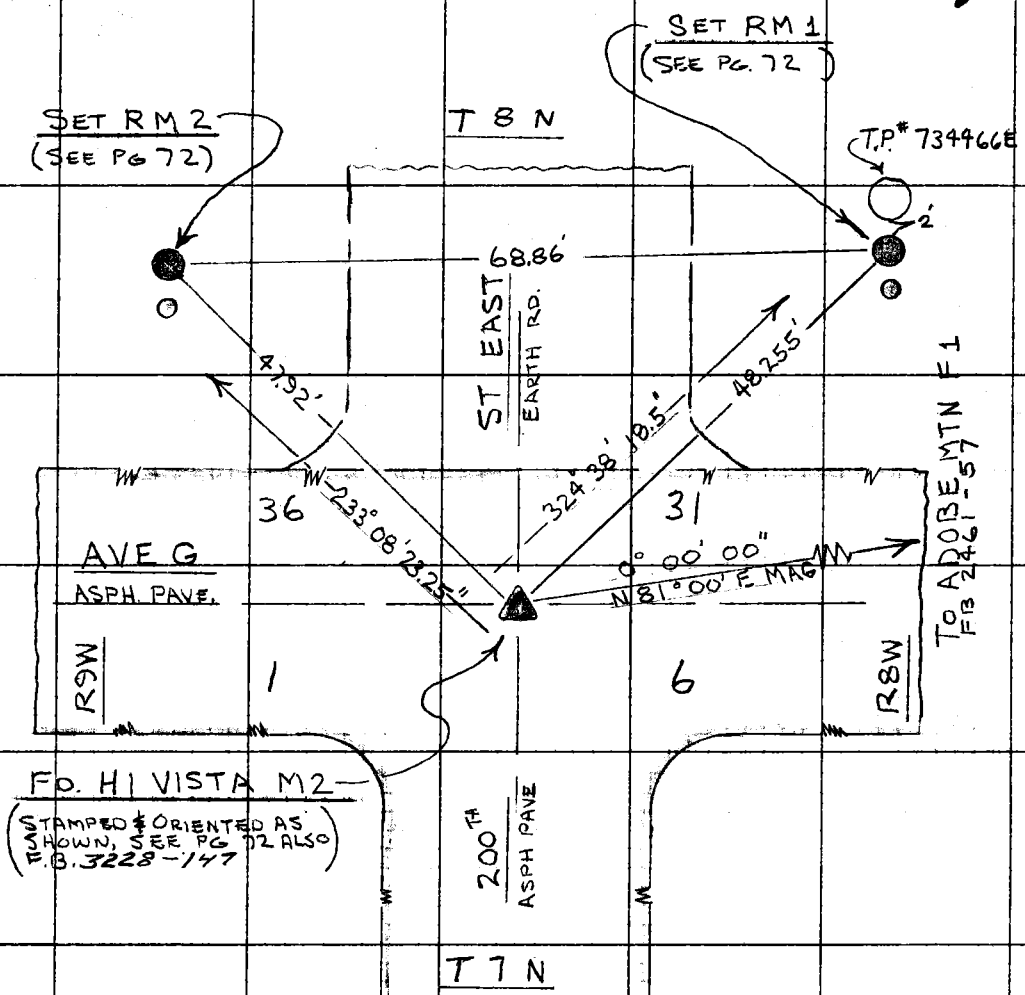
Office Work	Surveyed by R.C. WILSON
Checked	Notes C. PYLE Date 5/17/72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 71-

COUNTY SURVEYOR'S MONUMENT R9W T8N 36 31 1 6 T7N 1927 R8W

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HIVISTA M2



● — 2" MARKER PIPE SET 2' OFF

DIRECTIONS — FBG 1370-5

MEASUREMENTS - SEE NEXT PG.

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76F309S CE#310 3-69

F. B. 2461 Pg. 72

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HI VISTA M2

50 MTR. * M's MEASUREMENTS 300' TAPE 221

LEV @ 70'

14.795 M = 14.795 M = 48.24' 48.25' = 48.25'
14.606 M = 14.606 M = 47.92' 47.92' = 47.92'
20.992 M = 20.989 M = 68.86' 68.87' = 68.86'

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AREA & ROUTE

THIS TRAVERSE STA. IS IN L.A.CO., IN THE N.E. PORTION OF THE "ANTELOPE VALLEY, ADJACENT TO "HI VISTA". IT IS THE INTER. OF 200TH ST EAST & AVE. G.

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT BRASS DISC STAMPED "3C 31 6 1 T8N T7N R9W R8W 1927" SET IN A 6" CONC POST WHICH IS IN A MON. WELL 15" BELOW PAVED SURFACE. NO RECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

B.M.1: A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "HI VISTA M2 RM 1 1972 RE 7078". SET IN A 8" CONC. POST WHICH IS 2" ABOVE GRD.

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

Notes Ck'd by	Survey of GEODETIC CONTROL
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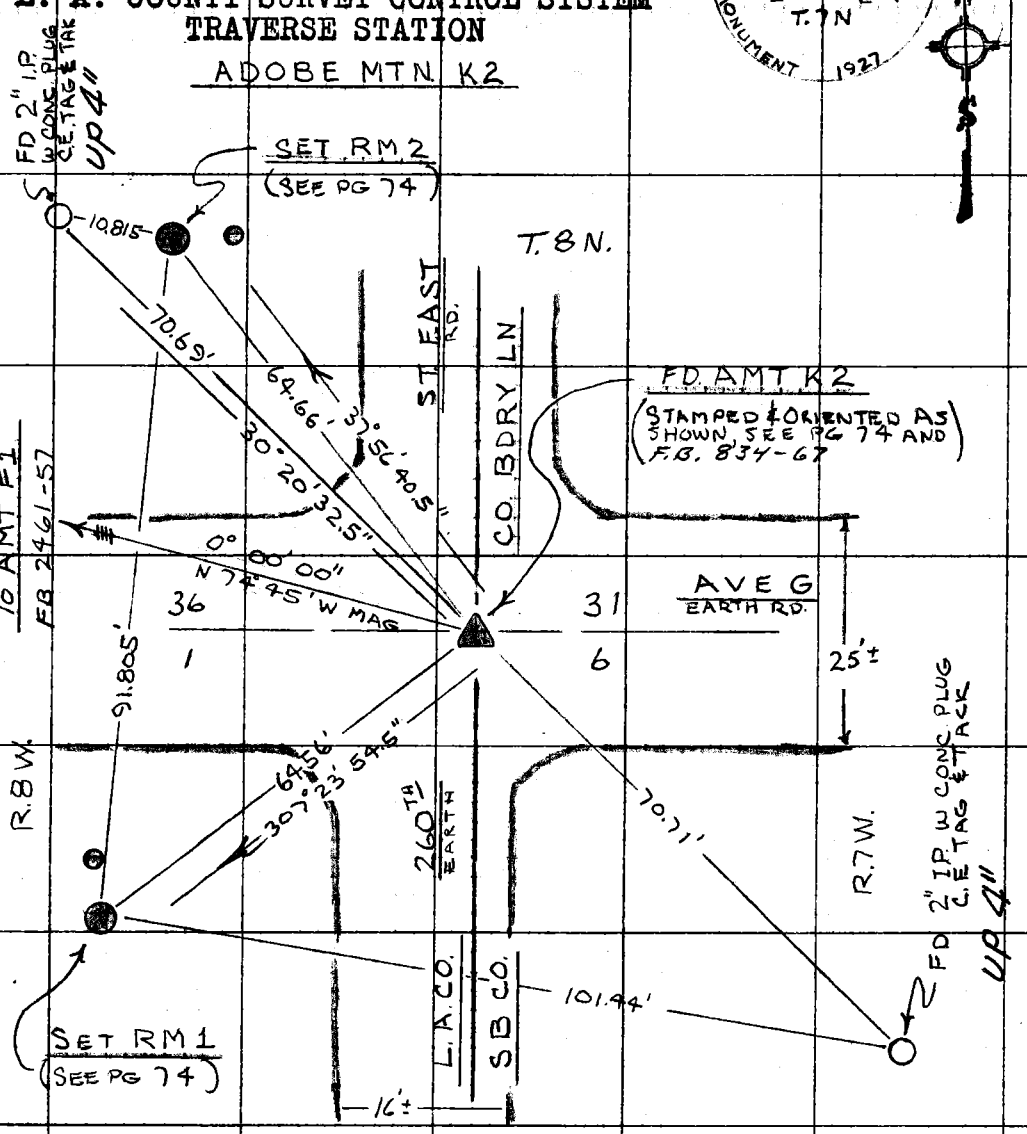
Office Work	Surveyed by R C WILSON
Checked	Notes C. PYLE Date 5/11/72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 73

COUNTY SURVEYOR
L.A. COUNTY S.P. COUNTY
T.8 N
R.8 W 36 31 6 R.7 W
T.7 N
MONUMENT 1927

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN. K2



⊗ — 2" MARKER PIPE SET 5' OFF.
MEASUREMENTS — SEE NEXT PG.
DIRECTIONS — FBG 1370-7

Noted on Map Index Card
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Placed on Cor. Div. W.S. No.
Sketch on Geo. Desc. Card

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76F3095 CE#310 3-69

F. B. 2461 PG. 74

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN K2

50 MTR. # M6 | MEASUREMENTS | 300' TAPE # 221

LEV @ 62°

19.680 M = 19.677 M = 64.56'		64.57' = 64.56'
19.713 M = 19.710 M = 64.665'		64.665' = 64.655'
27.988 M = 27.985 M = 91.81		91.81' = 91.80'
		101.45' = 101.44
		70.72' = 70.71'
		70.70' = 70.69'

STATION MARK

A 2½" BRASS DISC STAMPED: "COUNTY SURVEYOR MONUMENT L.A. COUNTY S.P (cap sic) COUNTY 36 31 6 T. 8 N T. 7 N R. 8 W R. 7 W 1927". SET IN A 6" CONC. POST WHICH IS 3" BELOW GRD. NO RECORD OF ANY SUB-SURFACE MARK.

AREA & ROUTE

THIS TRAVERSE STA. IS IN THE "ANTELOPE VALLEY" PORTION OF L.A. CO. IN THE VICINITY OF "EL MIRAGE VALLEY". IT IS THE INTER. OF AVE "G" & 260 TH ST EAST (L.A./S.B. CO LINE)

REFERENCE MARKS

RM 1 A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "ADOBE MTN K2 RM 1 1972 RE 7028" SET IN A 8" CONC POST WHICH IS 2" ABOVE GRD.

RM 2 IDENT. TO "RM 1", EXCEPT STAMPED: "RM 2".

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Map No.	JN 0301.00 Tape 139/M6 Std °F
Office Work	Surveyed by RC Wilson
Checked	Notes DH Fisher Date 5-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 75

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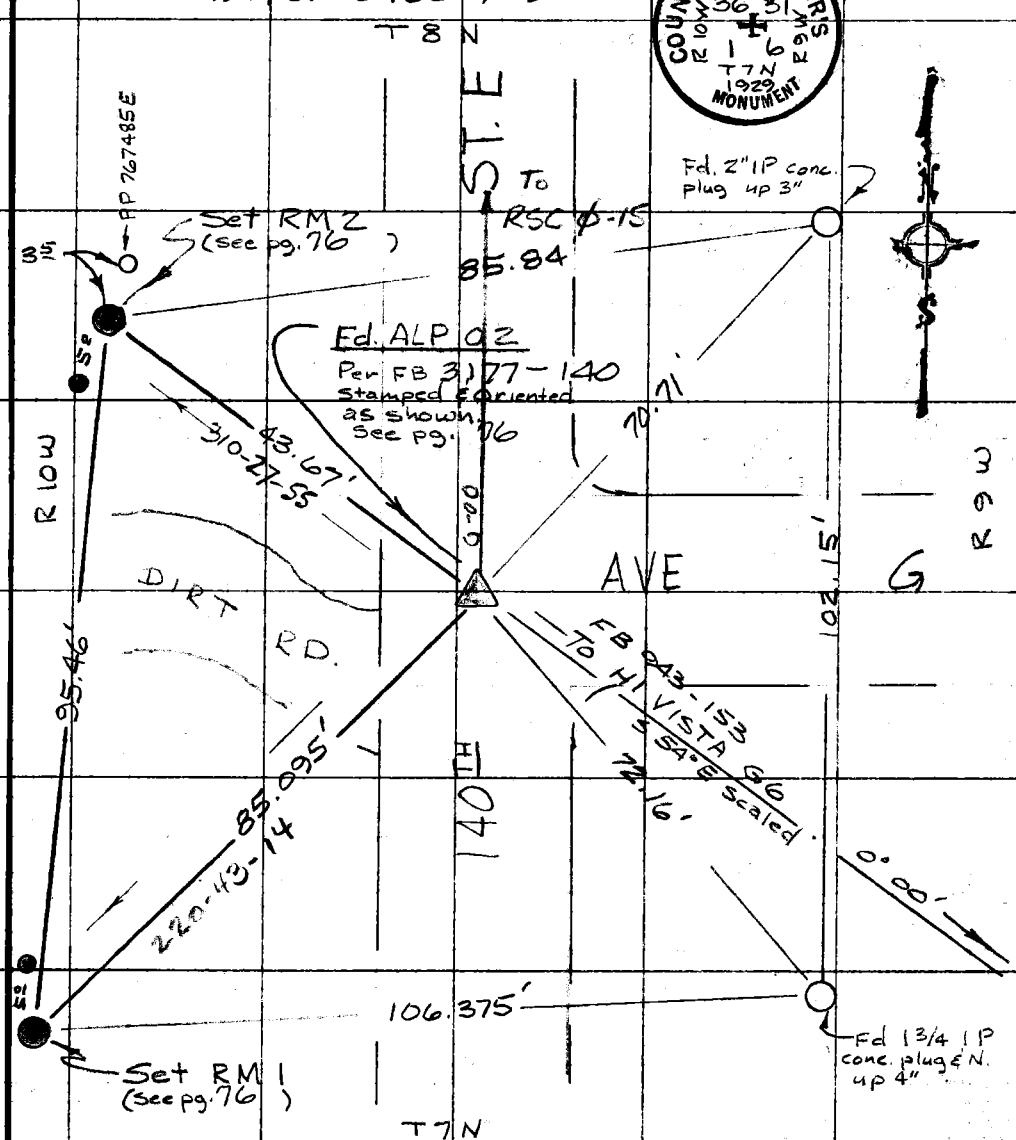
Sketch on Geo. Desc. Card

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

ALPINE BUTTE 02
(BM 106-108A)
1967 el = 2450.709



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76F309S CE#310 3-69

GEODETIC CONTROL

F. B 2461 Pg. 76

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

ALPINE BUTTE 0 2

300' # 139 @ 90° MEASUREMENTS SOM # M

85.095' = 85.095'	25.937M = 25.937M = 85.095'
43.67' = 43.67'	13.312M = 13.312M = 43.674'
95.46' = 95.46'	29.096M = 29.096M = 95.459'

AREA

This Traverse Station is located in the Antelope Valley at the intersection of 140TH St E & Avenue G

STATION MARK

A 2½" L.A. County "Surveyor's Monument" brass disc stamped "36 31 6·1 T8N T7N R9W R10W 1929" Dn. 24", set in a 6" conc. post and protected by a cast iron cover.

REFERENCE MARKS

RM 1 A 4" L.A Co Survey Control System Reference Mark brass disc. Stamped "ALPINE BUTTE 0 2 RM 1 1972 RE 7078" Set in a 6" conc. post up 2"

RM 2 Same as RM 1 except stamped "RM 2"

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Office Work	Surveyed by R.C. WILSON
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Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 77

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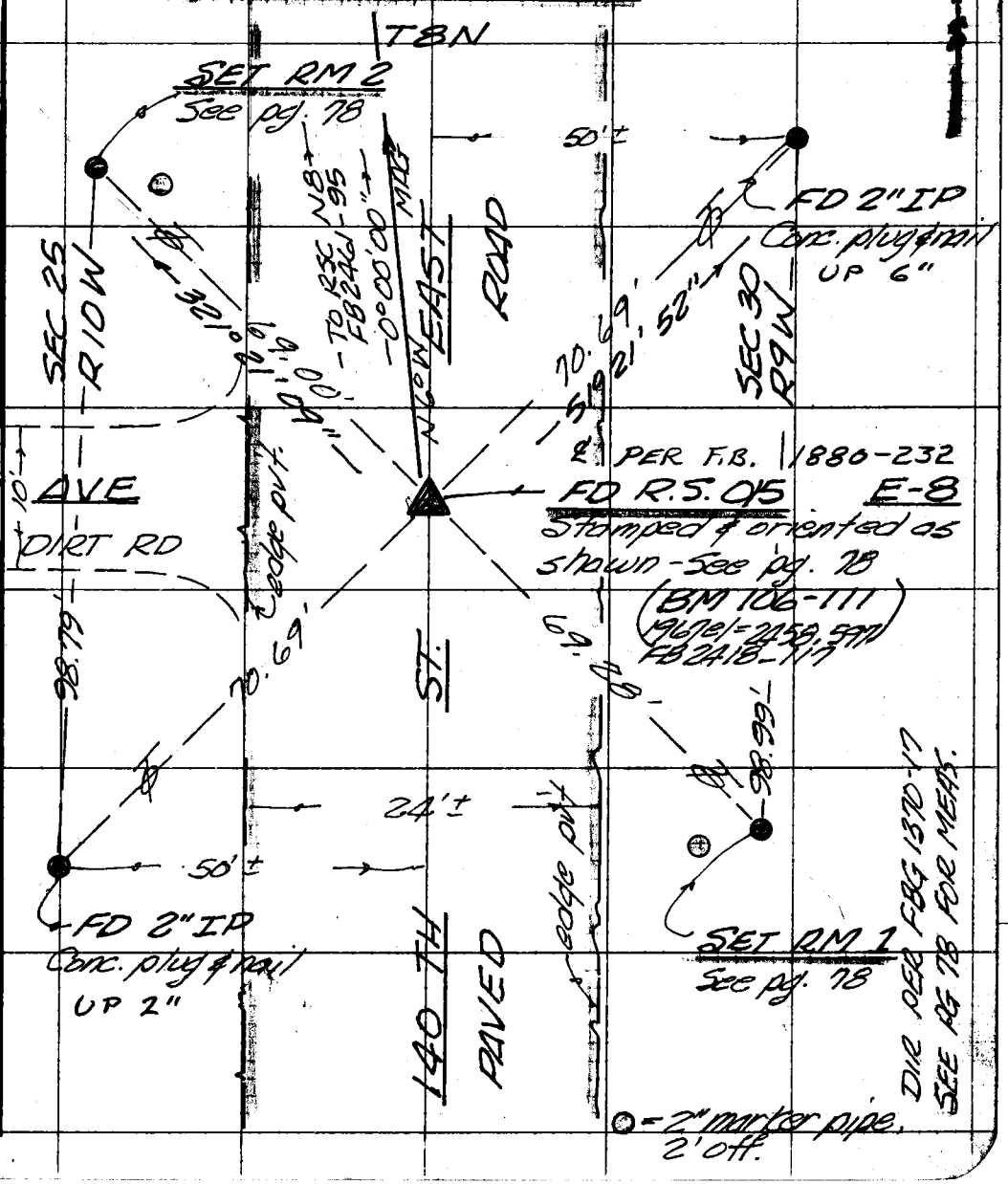
GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

REDMAN SCHOOL 015



76F309S CE#310 3-69

F. B 2461 Pg. 78

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION

REDMAN SCHOOL 015

300' # 221 MEASUREMENTS 50 MTR M6

70.69' @ 84° = 70.69'
70.69' " " = 70.69'
98.79' " " = 98.79'
69.01' @ 70° = 69.00' 21.034m @ 70° = 21.031m = 69.00'
69.29' " " = 69.28' 21.120m " " = 21.117m = 69.28'
99.00' " " = 98.99'

AREA:

THIS TRAV. STA. IS LOCATED IN THE NE PORTION OF L.A. CO. IN THE ANTELOPE VALLEY AND IS THE INTER. OF 140TH ST EAST & AVE E-8.

STATION MARK:

A 2½" "COUNTY SURVEYOR MONUMENT" BRASS DISC STAMPED "25 + 30 1/4 SEC. COR. T8N R9W R10W" dp 22" in paved rd. & protected by a Cast Iron cover.

REFERENCE MARKS:

RM1: A 4" L.A.CO. Sur. Cont. Sys. brass ref. mark disc stamped "REDMAN SCHOOL 015 RM 1 1972 RE 7078" up 2" & set in An 8" conc. post.

RM2: Same as RM 1, except stamped "RM2". & # to RM1:

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Checked	Notes C. PYLE Date 5/23/72
Date	Indexed C. J. GALLI JUN 2 3 72

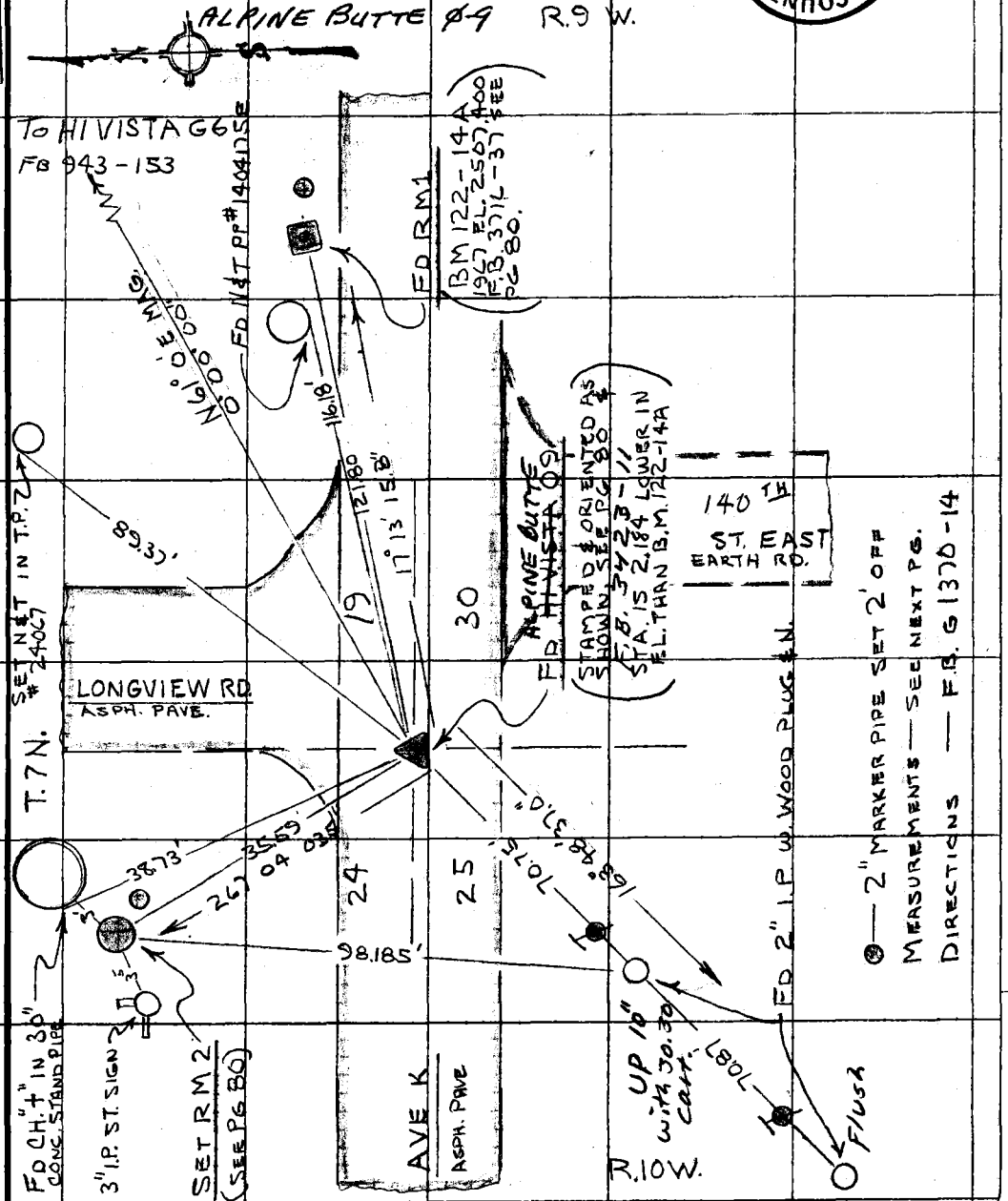
F. B. 2461 PG. 79'

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

~~HI VISTA~~ 09

ALPINE BUTTE Ø-9 R.9 W.



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76F309S CE#310 3-69

F. B. 2961 PG 80

L. A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION

~~HI VISTA 09~~
ALPINE BUTTE Ø-9

50 MTR * M6 | MEASUREMENTS | 300' TAPE * 221

LEV @ 88'

37.124 M = 37.124 M = 121.80
10.848 M = 10.848 M = 35.59

121.80' = 121.80'
35.59' = 35.59'
70.75' = 70.75'
70.87' = 70.87'
98.185' = 98.185'

AREA & ROUTE

THIS TRAVERSE STA. IS IN N.E. L.A. CO. IN THE "ANTELOPE VALLEY" AREA. IT IS THE INTER. OF 140TH ST. E. & AVE K.

STATION MARK

A 2½" COUNTY SURVEYOR MONUMENT BRASS DISC STAMPED: "24 19 30 25 T.7N. R.10W. R.9W. 1925" SET IN A 6" CONC. POST WHICH IS IN A MON. WELL 17" BELOW THE PAVED SURFACE. NO RECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

RM 1 A 2½" L.A. CO. ENGR. "BUTTON TOP" BRASS B.M. DISC, STAMPED: "B.M. 122-14A 1966 5869" SET IN A 12" X 12" CONC. PAD, 3" ABOVE GRD.

RM 2
A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "~~HI VISTA 09~~ ALPINE BUTTE Ø-9 RM 2 1972 RE 7078" SET IN A 8" CONC. POST WHICH IS 3" ABOVE GRD.

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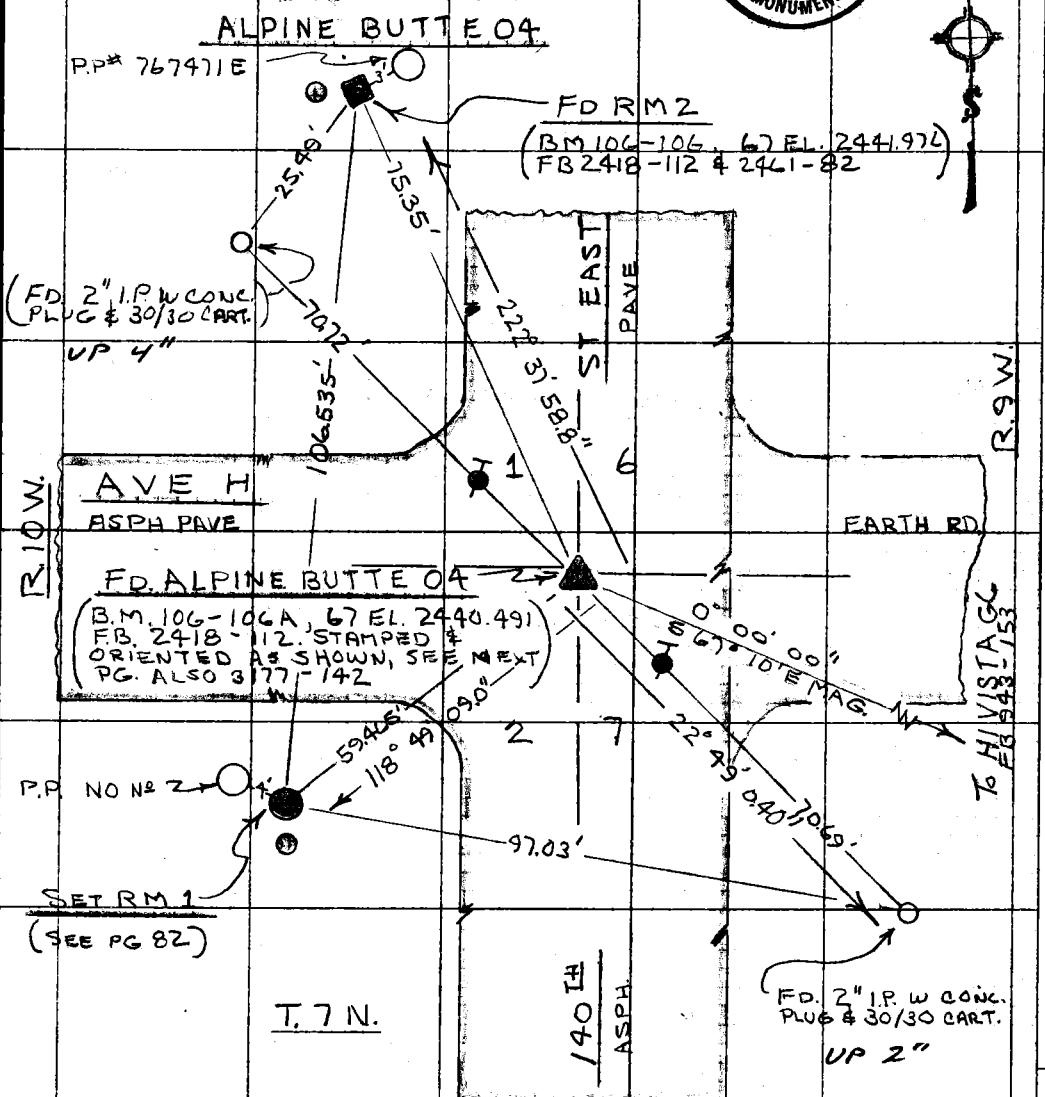
Checked	Notes C. PYLE Date 5/23/72
Date	Indexed C. J. GALLI JUN 23 72

F. B. 2461 PG. 81

COUNTY SURVEYOR'S MONUMENT R.10 W. R.9 W. T 7 N 1 6 2 7

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION



● — 2" MARKER PIPE SET 2' OFF

DIRECTIONS — FBG 1370-16

MEASUREMENTS — SEE NEXT PG.

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76F309S CE#310 3-69

F. B. 2961 Pg. 82

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ALPINE BUTTE 04

50 MTR # MG — MEASUREMENTS — 300' TAPE # 221

LEV. @ 74°

18.126 M = 18.126 M = 59.468' — 59.465' = 59.465'

22.966 M = 22.962 M = 75.35' — 75.35' = 75.35'

~~32.479 M = 32.476 M = 106.55'~~ — ~~106.54' = 106.53'~~

70.72' = 70.72'

97.04' = 97.03'

LEV @ 88°

70.69' = 70.69'

32.473 M = 32.473 M = 106.54' — 106.53 = 106.53

AREA & ROUTE

THIS TRAVERSE STA. IS IN THE N.E. PORTION OF L.A. CO WITHIN THE "ANTELOPE VALLEY", IN THE VICINITY OF "ALTA VISTA" IT IS THE INTER. OF 140TH ST. EAST & AVE H.

STATION MARK.

A 2½" COUNTY SURVEYOR'S MONUMENT" BRASS DISC STAMPED: "1 C 7 2 T 7N R. 9 W. R 10W. SET IN A 6" CONC. POST IN A MON. WELL 15" BELOW PAVED SURFACE. IT IS B.M. 106-106A. NO RECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

RM 2

A 2½" COUNTY ENGINEER "BUTTON TOP" BRASS BENCH MARK DISC STAMPED: "B.M. 106-106 1959 R E 5869" SET IN A 12"x12" CONC. PAD WHICH IS 8" ABOVE GRD.

RM 1

A 4" L.A. CO SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "ALPINE BUTTE 04 RM 1 1972 R.E. 7078". SET IN A 8" CONC. POST, FLUSH WITH GRD.

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Office Work	Surveyed by RCW
Checked	Notes RCW Date 5-18-72
Date	Indexed C. J. GALLI JUN 23 72

F. B. 2461 PG. 83'

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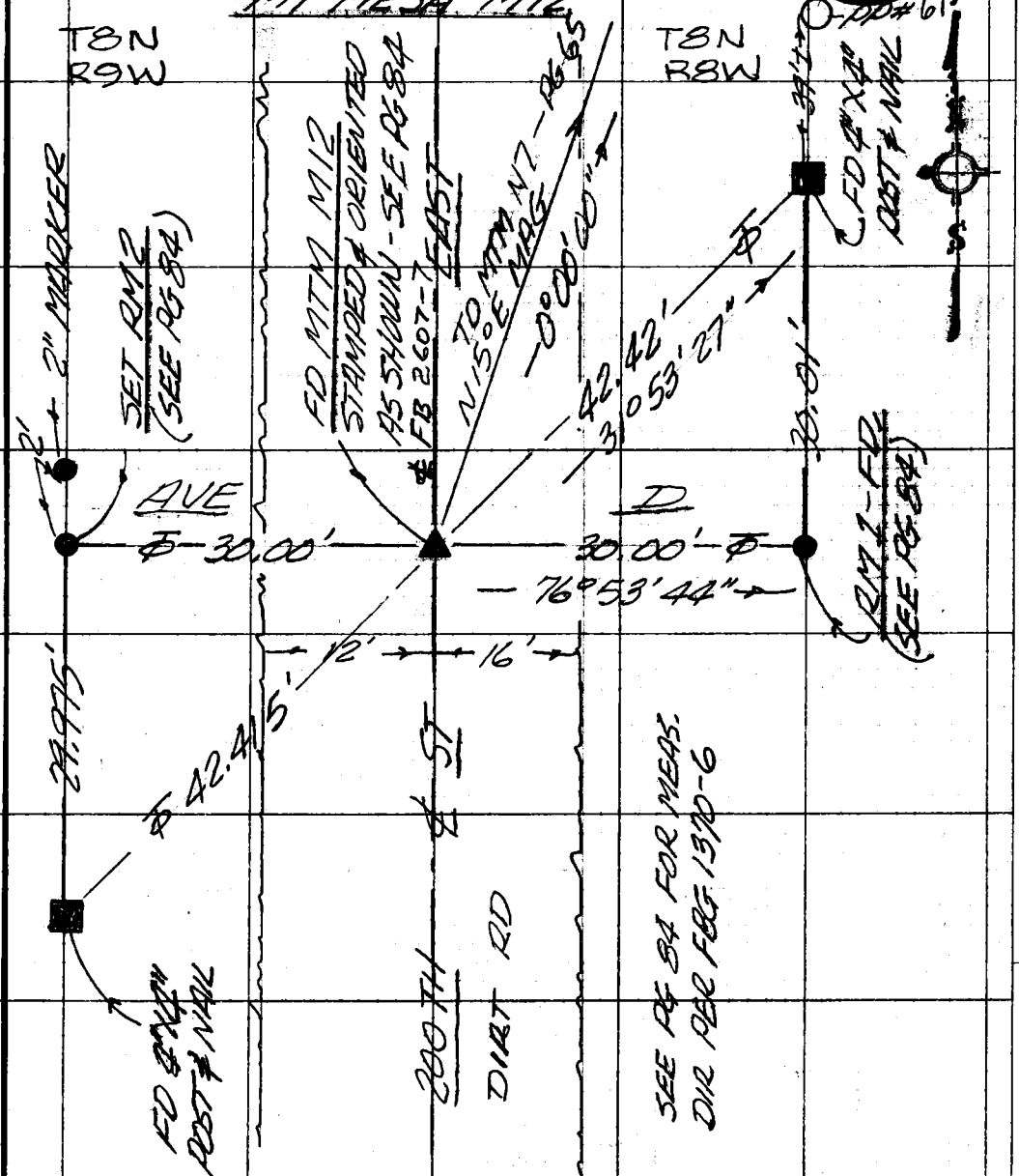
Sketch on Geo. Desc. Card

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

MT MESA M12



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CE#310 3-69

F. B. 2461 PG. 84

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

MTM M12

T.18°@ LEV 300'± 221

30.00' = 30.00'
29.975' = 29.975'
30.01' = 30.01'
42.415' = 42.415'
42.00' = 42.00'

MEASUREMENTS

T.18°@ LEV 50 MTR M6

9.144m = 9.144m = 30.00'

AREA & ROUTE:

THIS TRAV. STA. IS LOCATED IN THE N.E. PORTION OF L.A. CO. AND IS THE INTER. OF 200TH ST EAST & AVENUE D.

STATION MARK:

A 2½" "COUNTY SURVEYOR MONUMENT" BRASS DISC STAMPED "13 18 19 24 R.8W. R.9W. T.8N. 1927" DN. 18" AND SET IN A 6" CONC. POST. FB

REFERENCE MARKS.

RM 1: A 2" IP WITH L.A. CO. ENGR. TAG SET IN CONC PLUG UP 3"

RM 2: A 4" L.A.CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "MT MESA M12 RM2 1972 RE7078" UP 4" & SET IN A 8" CONC. POST, AND ⊥ FROM RM 1.

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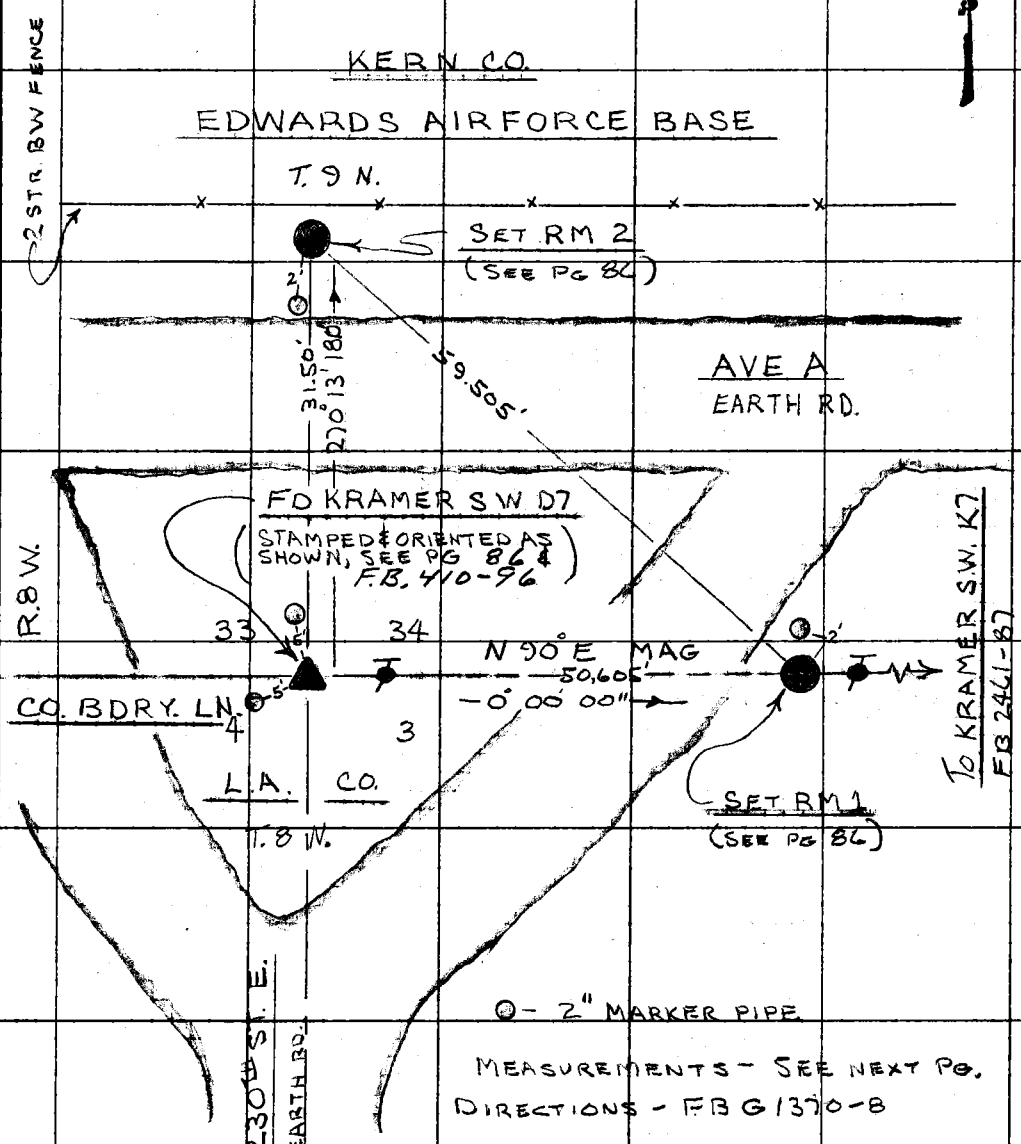
Office Work	Surveyed by R. C. WILSON
Checked	Notes C PYLE Date 5/18/72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 85

KERN COUNTY
T. 9 N.
R. 8 W.
33 34
4 3
1925
T. 8 N.
LOS ANGELES COUNTY

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
KRAMER SW D7



O - 2" MARKER PIPE

MEASUREMENTS - SEE NEXT PG.

DIRECTIONS - FB G 1370-8

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

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76F309S CE#310 3-69

F. B. 2461 Pg. 86

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
KRAMER SW D7

50 MTR # M6 | MEASUREMENTS | 300' TAPE # 221

LEV @ 69°

15.429M = 15.426M = 50.61'	50.61' = 50.60'
9.601M = 9.601M = 31.50'	31.50' = 31.50'
18.140M = 18.137M = 59.50'	59.52' = 59.51'

STATION MARK

A 2½" BRASS DISC STAMPED: "KERN COUNTY LOS ANGELES COUNTY 33 34 3 4 T 9 N. T.8N. R.8W. 1925" SET IN A 6" CONC. POST WHICH IS 5" ABOVE GRD.

AREA & ROUTE

THIS TRAVERSE STA. IS IN THE "ANTELOPE VALLEY" PORTION OF L.A. CO. IN THE VICINITY OF "EDWARDS AIR FORCE BASE" IT IS THE INTER. OF 230TH ST EAST & AVE A (L.A. CO/KERN CO. BDRY)

REFERENCE MARKS

R.M. 1 A 4" L.A.CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "KRAMER SW D7 RM1 1972 RE 7078" SET IN A 8" CONC POST, FLUSH WITH GRD. SET TANGENT TO K.S.W. K7.

R.M. 2 IDENTICAL TO "RM1" EXCEPT STAMPED "RM2" NOT TANGENT TO ANOTHER STA.

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RC Wilson
Checked	Notes RCW Date 5-18-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B 2461 PG. 87

Noted on Geo. Desc. Card
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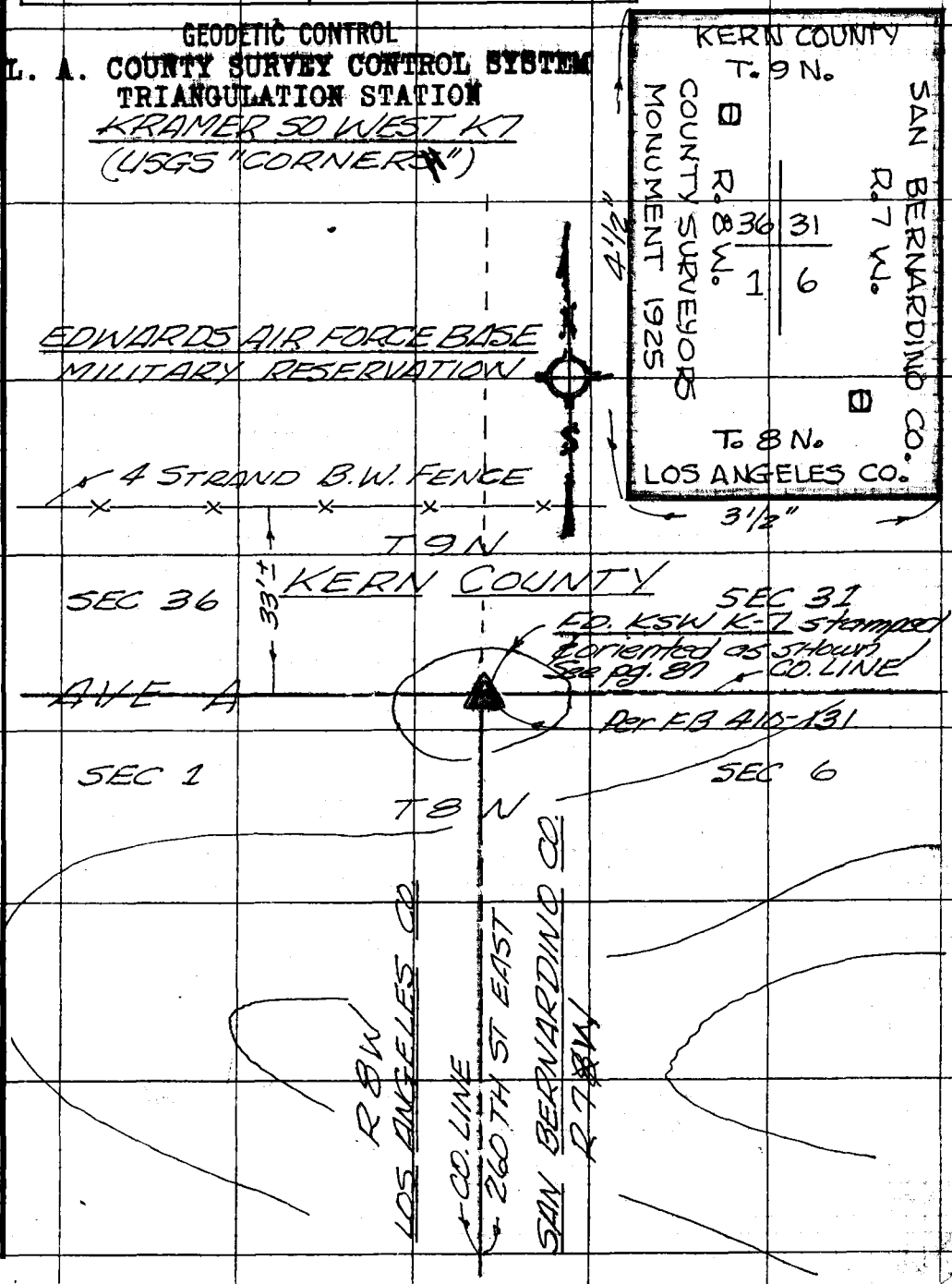
GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
KRAMER SO WEST K7
(USGS "CORNERS")



76F309S CE#310 3-69

F. B. 2461 Pg. 88

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
KRAMER SO. WEST K7

AREA: THIS TRIANG. STATION IS LOCATED AT THE N.E. CORNER OF LOS ANGELES COUNTY IN THE ELY PORTION OF ANTELOPE VALLEY MARKED " CORNER 29 10 Δ" PER "KRAMER, CAL." 15' QUAD. SHEET.

ROUTE:

FROM ITS INTER. WITH AVE G, TRAVEL N. ON 230TH ST EAST 7 MILES TO AVE A AT THE KERN CO. LINE: THEN FOLLOW T.T. EAST ALONG EDWARDS AIR FORCE BASE FENCE LINE 3 MILES TO THE STATION, WHICH IS THE COMMON COR. OF L.A., KERN, & SAN BERNARDINO COUNTIES.

STATION MARK:

A 3½" x 4½" COPPER SHEET STAMPED " KERN COUNTY, SAN BERNARDINO CO. LOS ANGELES CO. COUNTY SURVEYORS MONUMENT 1925 T. 9 N. R. 7 W. R. 8 W. 36 31 6 1 " BOLTED TO THE TOP OF A 18" X 18" CONC. BASE, WHICH PROJECTS 10" ABOVE GRD.
NO REFERENCE MARKS OR WITNESS CORNERS SET THIS DATE, 5-18-72.

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 5-18-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 89

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
KRAMER SO. WEST K7

Noted on Geo. Index Card
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76F309S CE#310 3-69

F. B 2461 Pg. 90

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

KRAMER SO. WEST K17

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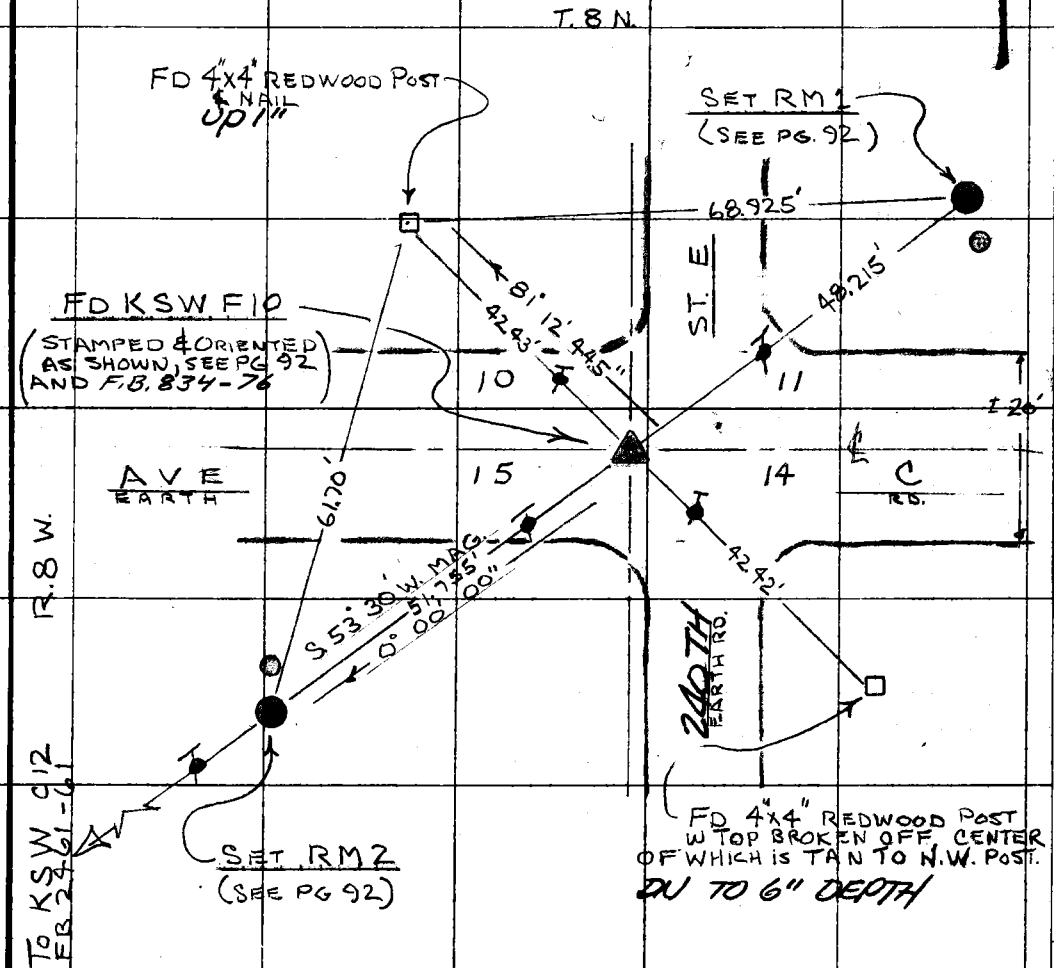
Office Work	Surveyed by R. C. WILSON
Checked	Notes C PYLE Date 5/19/72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 91

COUNTY SURVEYOR'S MONUMENT R.8 W. T.8 N. 10 11 15 14

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
KRAMER SW F10



⊙ — 2" MARKER PIPE ON 2' OFFSET

MEASUREMENTS - SEE NEXT PG.

DIRECTIONS - FBG 1370-10

Noted on Geo. Index Card
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76F309S CE#310 3-69

F.B. 2461 PG 92

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
KRAMER SW F10

50 MTR.* M6 | MEASUREMENTS | 300' TAPE* 221

LEV. @ 64°

14.701 M = 14.698 M = 48.22
15.778 M = 15.775 M = 51.755

48.22' = 48.21'
51.74' = 51.75'
68.935' = 68.925'
61.71' = 61.70'
42.44' = 42.43'

STATION MARK

A 2½" CO. SURVEYOR'S BRASS MON. DISC STAMPED " 10 11 14 15 T.8N. R.8W. SET IN A 6" CONC. POST WHICH IS 10" BELOW GRD. NO RECORD OF ANY SUB-SURFACE MARK.

AREA & ROUTE

THIS TRAVERSE STA. is IN THE "ANTELOPE VALLEY" PORTION OF L.A. CO., IN THE VICINITY OF "EL MIRAGE VALLEY". IT IS THE INTER. OF 210TH ST EAST & AVE "C".

REFERENCE MARKS

RM 1 A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK STAMPED "KRAMER SO WEST F10 RM 1 1972 RE 7078" SET TAN. TO "RM 2" & "KSW C12". SET IN A 8" CONC POST FLUSH WITH GRD.

RM 2 IDENT TO "RM 1", EXCEPT STAMPED "RM 2". ALSO TAN. TO "K.S.W. C12".

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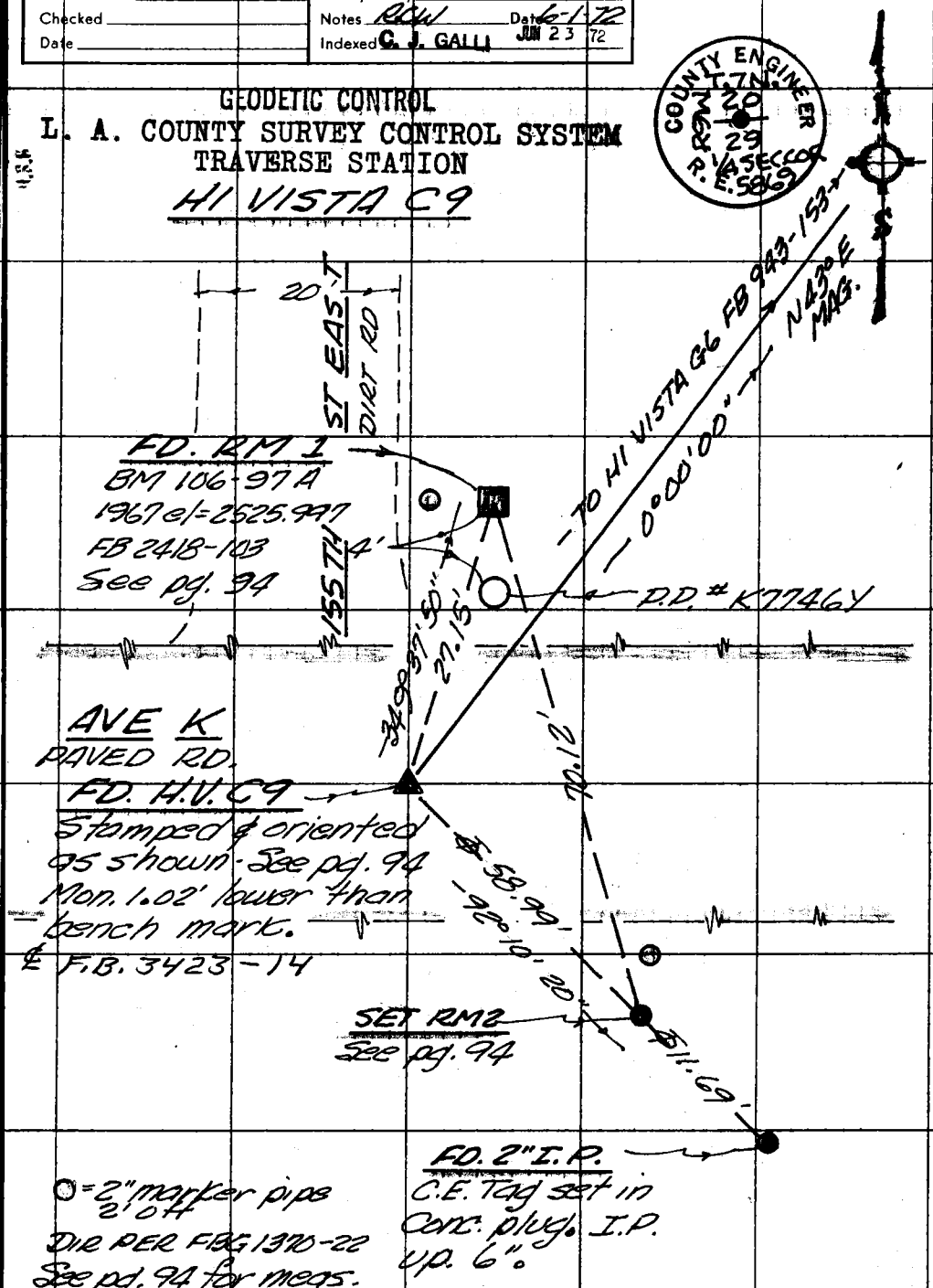
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 6-1-72
Date	Indexed C. J. GALLI JUN 23 72

F. B. 2461 PG. 93

Noted on Index Card
Placed on S. Quad. Sht.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HI VISTA C9



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76F309S CE#310 3-69

F. B. 2461 Pg. 94

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HI VISTA C9

300' # 221

MEASUREMENTS 50 MTR M6

Level @ 96°T

27.15' = 27.15' | 8.276m = 8.276m = 27.15'

58.99' = 58.99' | 17.981m = 17.981m = 58.99'

70.11'@98°T = 70.12' | 21.368m@98°T = 21.371m = 70.115'

11.69' = 11.69'

AREA: This trav. sta. is located in the N.E. portion of L.A. Co. in the Antelope Valley and is the inter. of AVE K & 155 TH ST EAST.

STATION MARK: A 2½" CO. ENGR. brass cap [redacted] stamped "20 — 29 1/4 SEC. COR T. 7N. R. 9W. 5869" dn. 10" in paved rd., set in a 6" conc. post, & protected by a cast iron cover.

REFERENCE MARKS:

RM 1: A 2½" brass bench mark disc, button knocked off, stamped "BM 106-97A 1959 5869" flush and set in a 12"x12" conc. pad.

RM 2: A 4" L.A. Co. Sur. Cont. sys. brass ref. mark disc stamped "HI VISTA C9 RM2 1972 RE 7078" up 2" & set in a 8" conc. post, ⊕ to A 2" I.P.

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Checked	Notes RCW Date 5-25-72
Date	Indexed C. J. GALLI JUN 23 '72

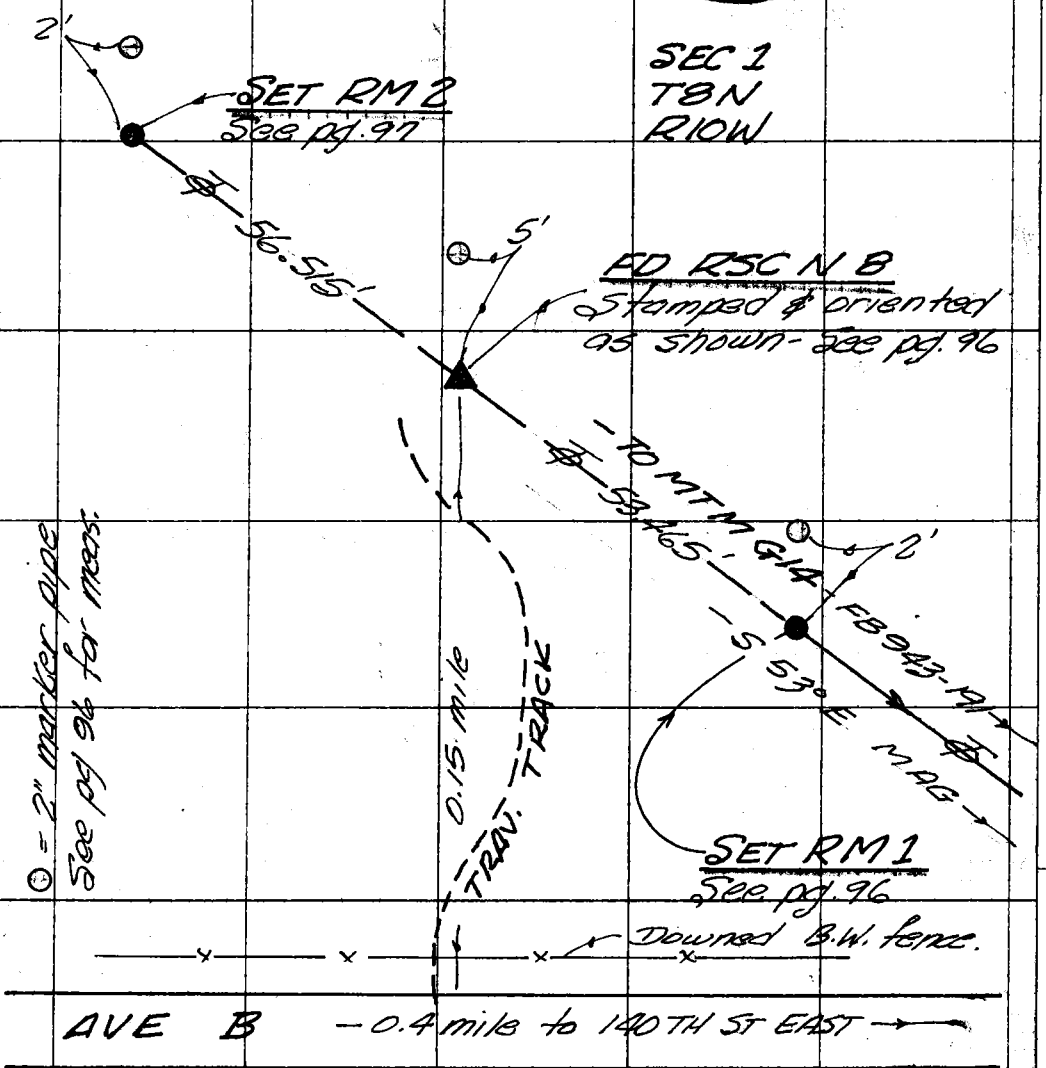
F. B. 2461 PG. 95'

Noted on Geo. Index Card
Placed on Geo. Quad. Strip
Placed on Sec. Div. W.S. No.
Sketch on Geo. Desc. Card

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
REDMAN SCHOOL N8
(NGS 341174 - 1007)

U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C.
$250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK.
HOLLY
1947



⊙ = 2" marker pipe
See pg 96 for meas.

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76F309S CE#310 3-69

F. B. 2161 Pg. 96

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

REDMAN SCHOOL N8

300' # 221

MEASUREMENTS 50 MTR M16

Level @ 82° F

53.465' = 53.465' 16.296m = 16.296m = 53.465'

56.515' = 56.515' 17.228m = 17.228m = 56.52'

AREA:

THIS TRIANG. STA. IS LOCATED IN THE N.E. PORTION OF L.A.CO. ON THE EDWARDS AIR FORCE BASE MILITARY RESERVATION 0.4± MILE W. & 0.15± MILE N. OF THE INTER. OF 140TH ST EAST & AVE B MARKED "HOLLY △" PER "ROGERS LAKE, CAL" 15' QUAD SHEET.

STATION MARK:

A 4" U.S.C.&G.S. brass triang. disc stamped "HOLLY 1947" up 4" & set in a 12"x12" conc. pad.

SUB-SURFACE MARK was set per NGS sta. card 341174 - 1007.

REFERENCE MARKS:

RM 1: A 4" L.A.Co. Sur. Cont. Sys. brass ref. mark disc stamped "REDMAN SCHOOL N8 RM 1 1972 RE 7078" up 2", set on line to MT Mesa C.14, and set in a 8" conc. post.

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 6-25-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 97

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

REDMAN SCHOOL N8

RM 2: Same as RM 1, except stamped "RM 2" and on line from MT Mesa G14.

Noted on Geo. Desc. Card
Placed on U.S. Geod. Shts.
Placed on Sur. Div. W.S. No.
Sketch on Geo. Desc. Card

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76F309S CE#310 3-69

F. B. 2461 Pg. 98

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
REDMAN SCHOOL NB

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Office Work	Surveyed by RCWILSON
Checked	Notes RCW Date 5-26-72
Date	Indexed C. J. GALLI JAN 23 '72

F. B. 2461 PG. 99

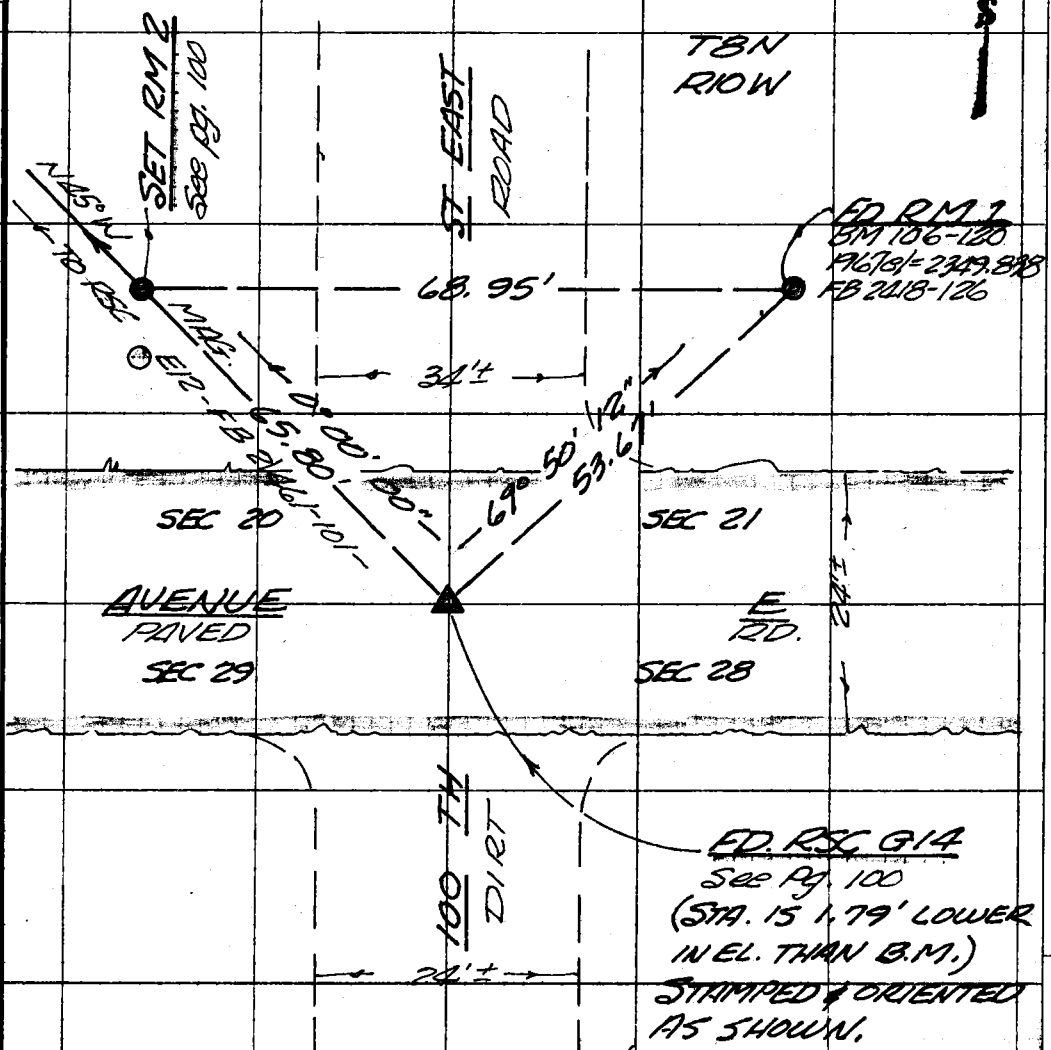
Noted on Ge... Box Card
Placed on U... Quad Sht.
Placed on Sur. Div. W. S. No.
Sketch on Geo. Desc. Card

COUNTY SURVEYOR'S T8N 20 21 29 28 R10W MONUMENT

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

REDMAN SCHOOL G14



DIR PER FBG 1370-18
SEE PG 100 FOR MEAS.
⊙ = 2" MARKER PIPE 2' OFF.

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76F309S CE#310 3-69

F. B. 2461 Pg. 100

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
REDMAN SCHOOL G14

300' #221 MEASUREMENTS 30 MTR M6
LEVEL @ 84°T

53.67' =	53.67'	16.361m = 16.361m = 53.68'
65.80' =	65.80'	20.056m = 20.056m = 65.80'
68.95' =	68.95'	21.016m = 21.016m = 68.95'

AREA: THIS TRAV. STA. IS LOCATED IN THE NE PORTION OF LA CO IN THE ANTELOPE VALLEY AND IS THE INTERSECTION OF AVE E & 100 ST EAST

STATION MARK:

A 2½" "COUNTY SURVEYORS MONUMENT" BRASS DISC STAMPED " 20 21 28 29 T8N R10W" ON 17 " IN PAVED RD. & PROTECTED BY A CAST IRON COVER.

REFERENCE MARKS: L.A. CO. ENGR.

RM 1: A 2½" BUTTON TOP BRASS B.M. DISC STAMPED " BM 106-120 1959 RE 5869" UP 6" & SET IN A 12"X12" CONC. PAD.

RM 2: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED " REDMAN SCHOOL G14 RM2 1972 RE 5869" FLUSH & SET IN AN 8" CONC. POST, ON LINE TO RSC E12.

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Checked	Notes RCW Date 5-26-72
Date	Indexed C. J. GALLI JUN 23 '72

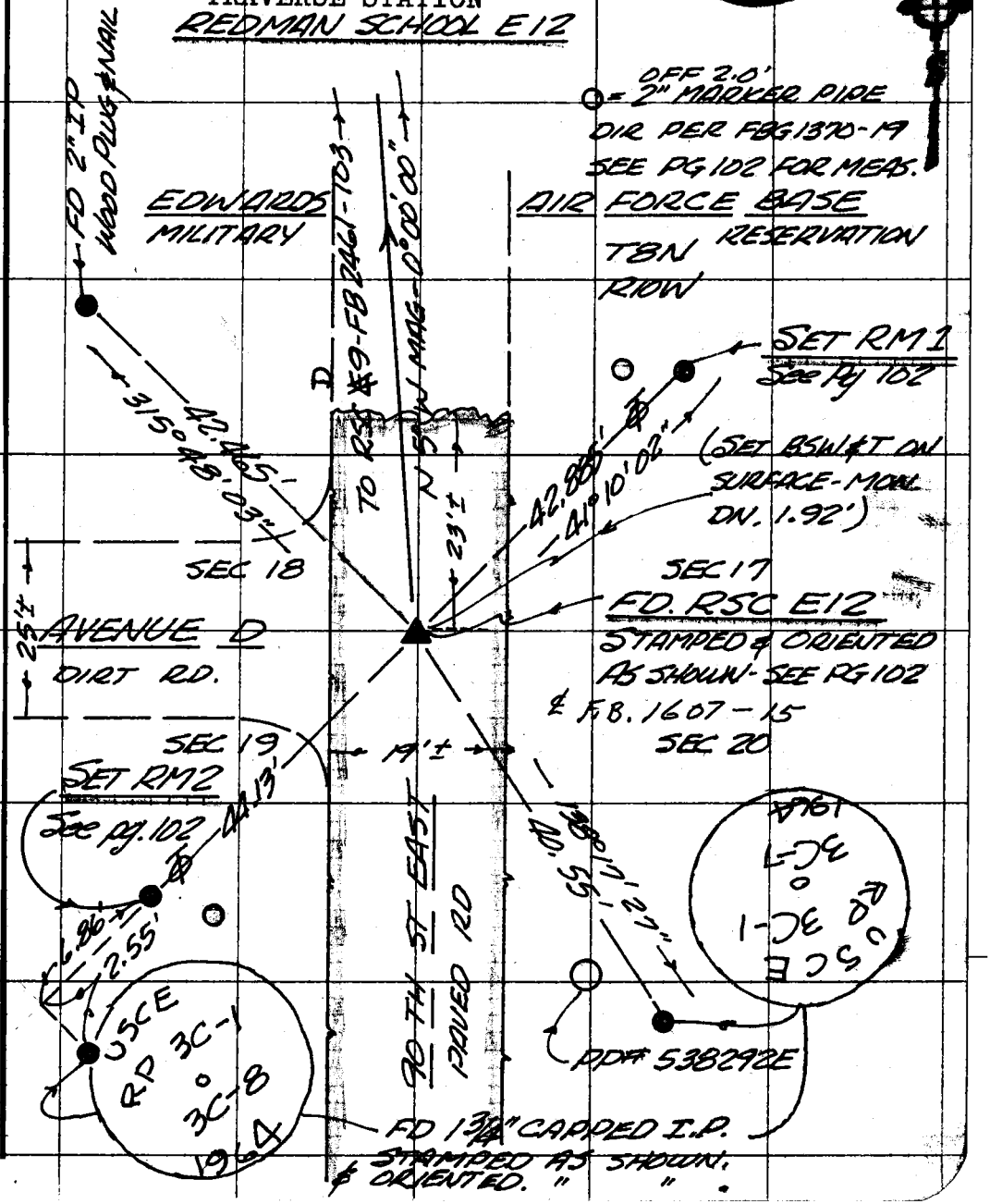
F. B. 2461 PG. 101

COUNTY SURVEYOR'S T8N 18 17 19 20 R10W

Noted on Geodetic Card
Placed on U.S.C.&G.S. Quad. Shts.
Placed on Sheet W.S. No.
Sketch on Geodetic Card

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
REDMAN SCHOOL E12



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76F309S CE#310 3-69

F. B 2461 Pg. 102

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
REDMAN SCHOOL E12

LEVEL @ 96°T

300' # 221	MEASUREMENTS	50 MTR M6
42.885' = 42.885'	RM1 13.079m = 13.073m =	42.89'
44.13' = 44.13'	RM2 13.451m = 13.451m =	44.13'
42.465' = 42.465'	2" IP	
40.55' = 40.55'	13/4" CAPPED	
6.86' = 6.86'		
2.55' = 2.55'		

AREA: THIS TRAV. STA. IS LOCATED IN THE NE PORTION OF LA CO IN THE ANTELOPE VALLEY AND IS THE INTER. OF AVENUE D AND 90TH STREET EAST.

STATION MARK:
A 2½" "COUNTY SURVEYORS MONUMENT" BRASS DISC STAMPED " 18 17 20 19 T8N R10W " dp. 1.92' BELOW SURFACE OF PAVT, & SET IN 6" CONC. POST.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. BRASS REF. MARK DISC STAMPED "REDMAN SCHOOL E12 RM1 1972 RE 2078" UP 2" & SET IN AN 8" CONC. POST.

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

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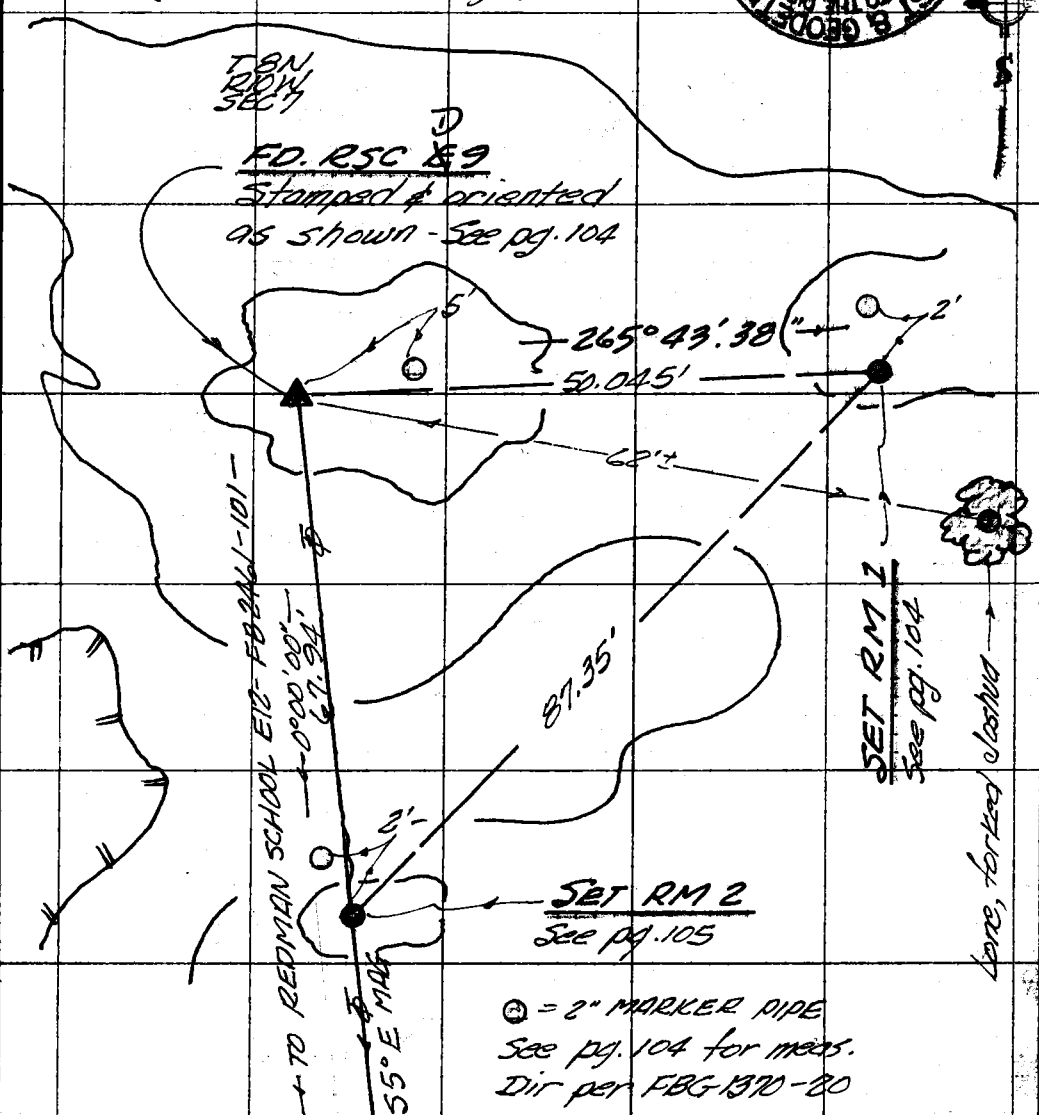
Office Work	Surveyed by RC Wilson
Checked	Notes RCW Date 5-30-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 109 ~~46~~

Noted on Geo. Index Card
Placed on U.S. Geod. Sta.
Placed on Geo. Dist. W.S. No.
Sketch on Geo. Desc. Card

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
REDMAN SCHOOL ~~#~~ D 9
(NGS 341174-1006)



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76F309S CE#310 8-69

F. B. 2461 Pg. 104

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
REDMAN SCHOOL #9

300' # 221

MEASUREMENTS

50 MTR M6

LEVEL @ 92°F

50.045' = 50.045'	15.256m = 15.256m = 50.05'
67.94' = 67.94'	20.708m = 20.708m = 67.94'
87.35' = 87.35'	26.624m = 26.624m = 87.35'

AREA: THIS TRIANG. STA. IS LOCATED IN L.A. CO. 1.3 MILE ± SOUTH OF THE CO. LINE, 200' ± WEST OF THE EAST LINE OF SEC 7, T8N, R10W, IN THE ANTELOPE VALLEY, & IS MARKED "ELM Δ" PER "ROGERS LAKE, CAL" 15' QUAD. SHEET. STA. IS ON EDWARDS AIR FORCE BASE.

ROUTE: From its inter. with AVE D, travel N. ON 90TH ST EAST 1.7 mile to a low sand dune on the lft (W) and the sta.

STATION MARK:

A 4" USC&GS brass triang. disc stamped "ELM 1947" up 6" & set in a 12"x12" conc. pad. Sub-surface mark was set per NGS 341174-1006.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SYS. brass ref. mark disc stamped "REDMAN SCHOOL D#9 RM 1 1972 RE 7078" up 6", and set in an 8" conc. post, and on line to RSC E12.

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Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 5-30-72
Date	Indexed C. J. GALLI JUN 2 3 '72

F. B 2461 PG. 105

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

REDMAN SCHOOL #9
D

RM 2: Same as RM1, except stamped "RM2" and not on line to RSC E12.

Noted on Geodetic Card
Placed on U.S. Quad Sht.
Placed on Survey W.S. No.
Sketch on Geo. Data Card

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76F309S CE#310 3-69

F. B 2461 Pg. 106

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

REDMAN SCHOOL E 9

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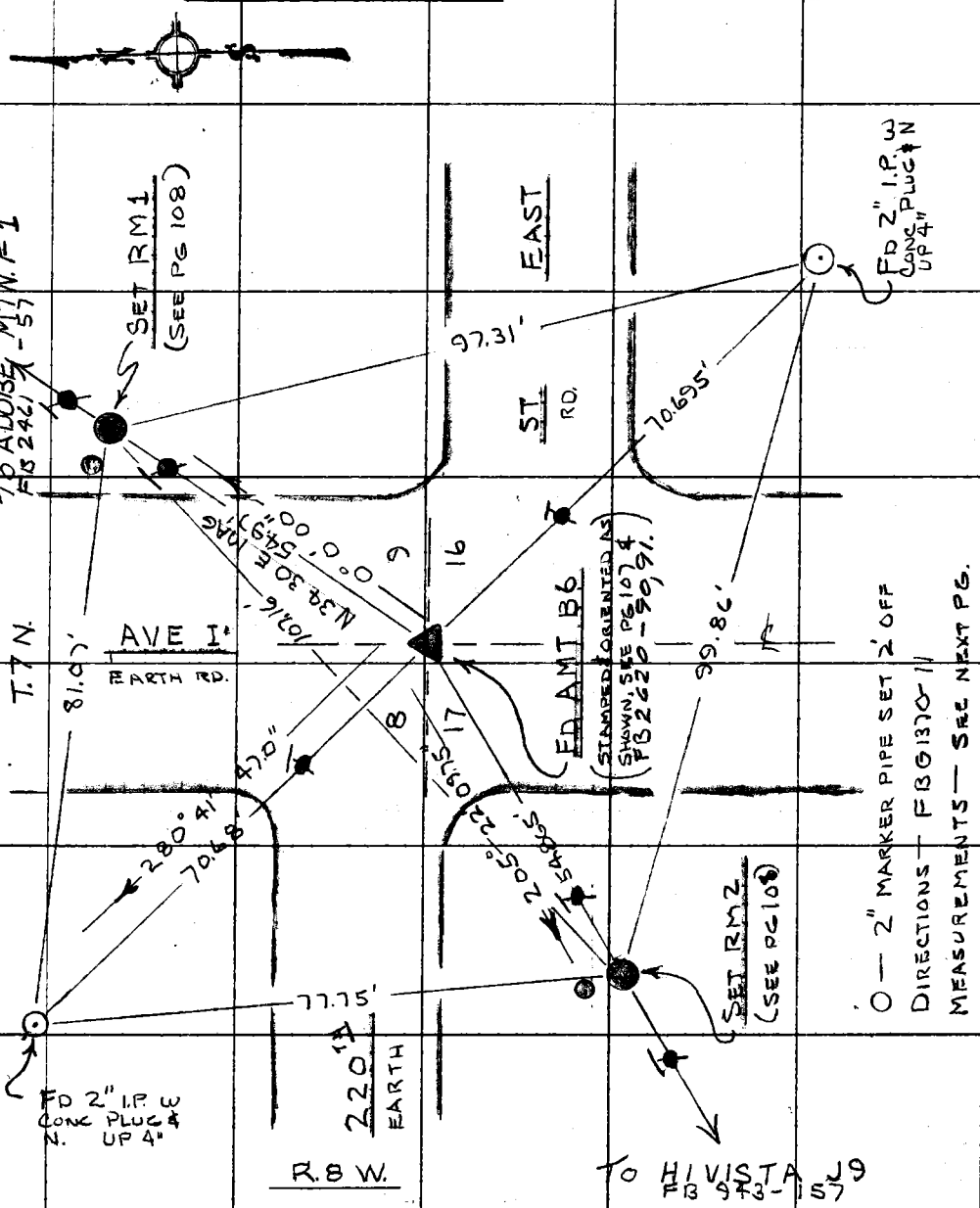
Office Work	Surveyed by R.C. WILSON
Checked	Notes C. PYLE Date 5/22/72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 107

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

COUNTY SURVEYOR'S MONUMENT

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN B6



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76F309S CE#310 3-69

F. B 2461 Pg. 108

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN B6

50 MTR. # M6 | MEASUREMENTS | 300' TAPE # 221

LEV. @ 82°

16.756M = 16.756M = 54.973'
16.724M = 16.724M = 54.868'
32.663M = 32.663M = 107.16

54.965' = 54.965'
54.865' = 54.865'
107.165' = 107.165'
70.68' = 70.68'
70.695' = 70.695'
81.07' = 81.07'
97.31' = 97.31'
99.86' = 99.86'
77.75' = 77.75'

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT" BRASS DISC STAMPED: "8 9 16 17 T. 7 N. R. 8 W." SET IN A 6" CONC. POST WHICH IS 10" BELOW GRD. NO RECORD OF ANY SUB-SURFACE MARK.

AREA & ROUTE

THIS TRAVERSE STA. IS LOCATED IN THE N.E. PORTION OF L.A. CO. IN THE ANTELOPE VALLEY AND IS THE INTERSECTION OF AVE "I" & 220TH ST. EAST.

REFERENCE MARKS

RM 1 A 4" L.A.CO. SUR CONT. SY. BRASS REFERENCE MARK DISC STAMPED "ADOBE MT B6 RM 1 1972 RE 7078". SET IN A 8" CONC POST, TAN. TO AMI. F 1. I.T IS 3" ABOVE GRD.

RM 2 IDENT. TO "RM 1" EXCEPT STAMPED "RM 2". SET TAN. TO HI VISTA J 9

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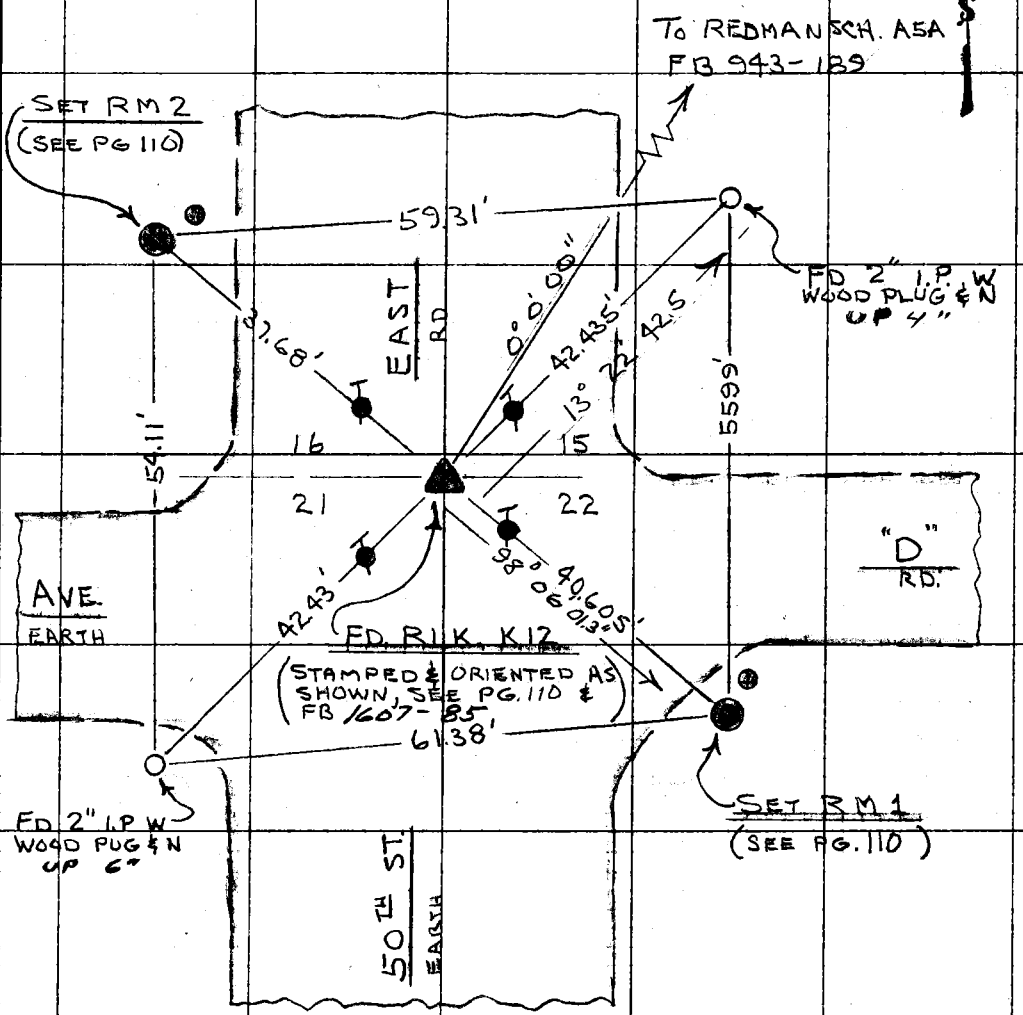
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes C PYLE Date 5/30/72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 109

COUNTY SURVEYOR'S MONUMENT
T. 8 N.
R. 11 W.
16 18
21 22

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ROSAMOND LAKE K12



● — 2" MARKER PIPE SET 2' OFF

MEASUREMENTS — NEXT PG.

DIRECTIONS — FBG 1370-25

Noted on Geo. Index Card
Placed on Geo. Quad. Sht.
Placed on Surv. W.S. No.
Sketch on Geo. Desc. Card

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76F309S CE#310 3-69

F. B. 2461 Pg. 110

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

ROSAMOND LAKE K12

50 MTR. M6 — MEASUREMENTS — 300' TAPE # 221

LEV @ 100'

12.377 M = 12.377 M = 40.607'	40.605' = 40.605'
11.486 M = 11.486 M = 37.684	37.68' = 37.68'
	42.43' = 42.43'
	42.435' = 42.435'
	61.37' = 61.38'
	54.10' = 54.11'
	59.30' = 59.31'
	55.98' = 55.99'

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AREA & ROUTE

THIS TRAVERSE STA IS IN L.A. CO., IN THE N.E PORTION OF "ANTELOPE VALLEY". IT IS THE INTER OF 50TH ST. EAST & AVE "D".

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT BRASS DISC STAMPED: "LC 15 22 21 T. 8 N. R. 11 W." SET IN A 6" CONC. POST 1C" BELOW GRD. NORECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "ROSAMOND LAKE K12 RM 1 1972 RE 1078" SET IN A 8" CONC. POST, TAN. TO "RM 2", AND FLUSH WITH GRD.

RM 2 IDENT TO, AND TAN TO, "RM 1" EXCEPT STAMPED "RM 2". IT IS 3" ABOVE GRD.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 5-31-72
Date	Indexed C. J. GALLI JUN 23 72

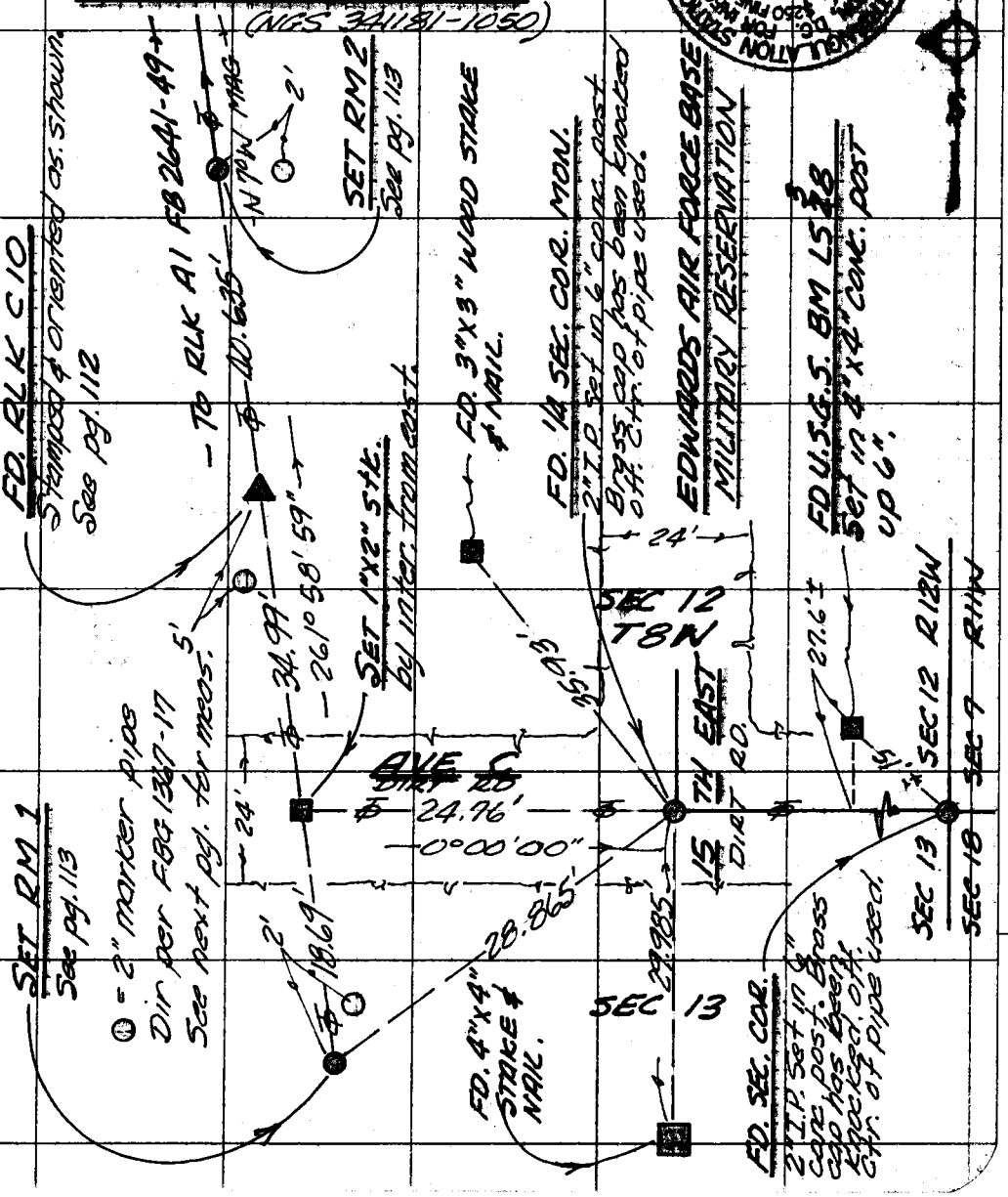
F. B. 2461 PG. 111

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

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ROSAMOND LAKE C10
(NGS 341181-1050)



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76F309S CE#310 3-69

F. B. 2461/2647 Pg. 112

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ROSAMOND LAKE C 10

300' # 221 MEASUREMENTS 50 MIR M6
LEVEL @ 45° F

29.985' = 29.985'		
28.865' = 28.865'		
24.76' = 24.76'		
35.93' = 35.93'		
34.99' = 34.99'	10.666m = 10.666m = 34.99'	
18.69' = 18.69'	5.697m = 5.697m = 18.69'	
40.635' = 40.635'	12.386m = 12.386m = 40.635'	

AREA: This triang. sta. is located in the N. portion of L.A. Co. 2 miles S. of the Co. line, 2.7 miles east of Sierra Hwy, 25' ± W. & 35' ± N. of the inter. of AVE C & 15TH ST. EAST, & marked "BIRCH Δ" per Rosamond Lake, Cal. 15' quad.

ROUTE: From its intersection with Sierra Hwy, travel east on AVE C to 15TH ST EAST (2.7 ± miles) to the sta. on the left.

STATION MARK: A 4" USC&GS brass triang. disc stamped "BIRCH 1947" up 6" & set in 12"x12" conc. pad. SUB-SURFACE mark was set per NGS 34/181-1050.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RC Wilson
Checked	Notes RCW Date 5-31-72
Date	Indexed C. J. GALLI JUN 23 '72

F. B. 2461 PG. 113

Noted on Geo. Desc. Card
Placed on U.S. Geod. Shts.
Placed on Surv. W.S. No.
Sketch on Geo. Desc. Card

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GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ROSAMOND LAKE C10

REFERENCE MARKS:

RM 1: A 4" L.A. Co. Sur. Cont. Sys. brass ~~RM~~ ref. mark disc stamped "ROSAMOND LAKE C10 RM1 1972 RE 7078" up 2" on line from RLK A1 & set in an 8" conc. post.

RM 2: Same as RM 1, except stamped "RM 2" & on line to RLK A1.

76F309S CE#310 3-69

F. B. 2461 Pg. 114

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

ROSAMOND LAKE C10

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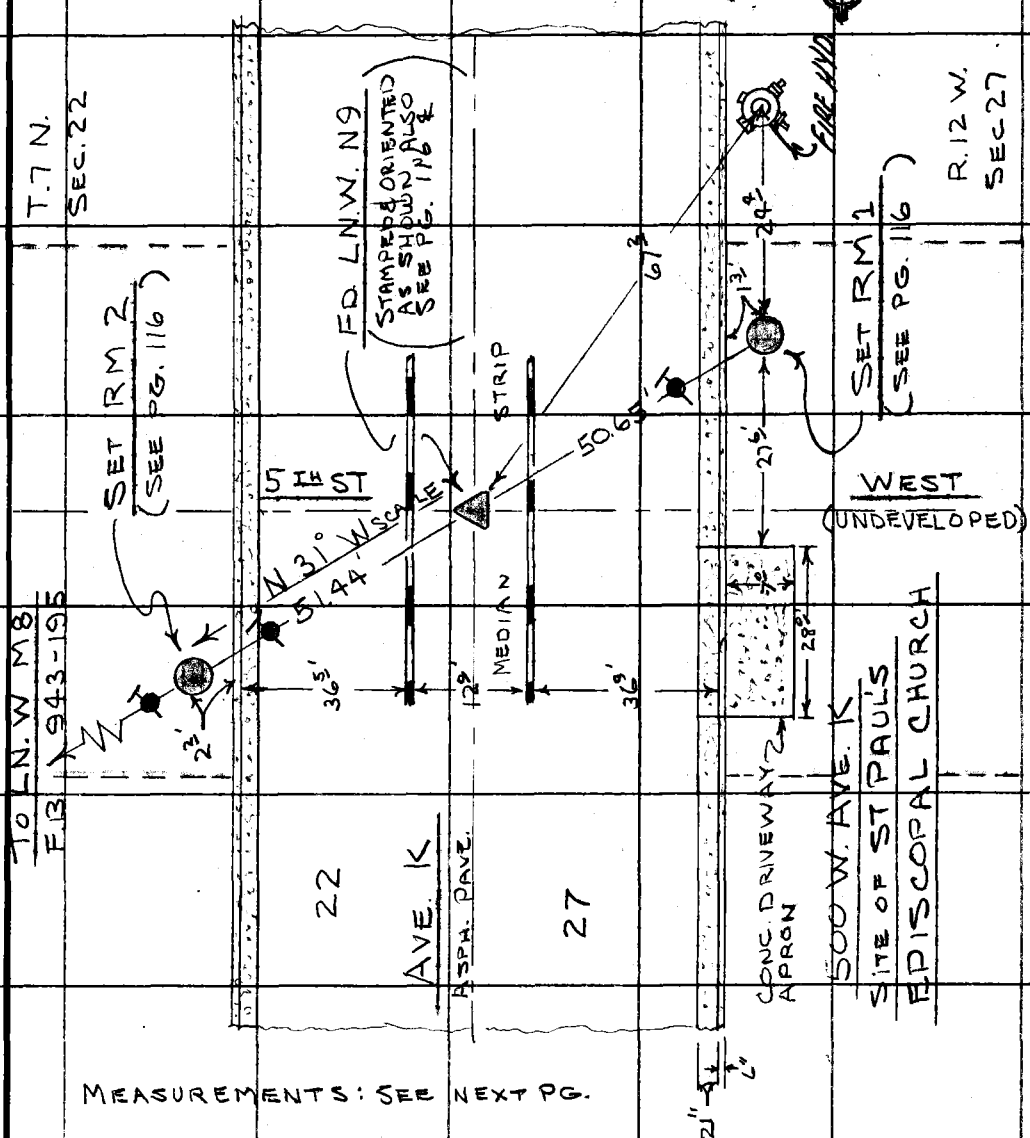
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C.A. PYLE Date 9/7/72
Date	Indexed L. M. PALMER JUN 21 1974

F. B. 2461 PG. 115

COUNTY SURVEYOR'S MONUMENT T. 7 N. 22 27 R. 12 W. SEC. COR.

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LANCASTER WEST N9



MEASUREMENTS: SEE NEXT PG.

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

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76F309S CE#310 3-69

F. B. 2461 PG. 116

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LN.W. N9

50 MTR # M6 MEASUREMENTS 300' TAPE # 221

T - 88°

15.439 M = 15.439 M @	LEV. = 50.65'	50.65' = 50.65'
15.678 M = 15.678 M @	LEV. = 51.436'	51.44' = 51.44'

AREA

THIS TRAVERSE STA. IS IN NORTHERN L.A.CO. IN THE VICINITY OF "LANCASTER" AT THE INTER OF AVE K & 5TH ST. W. . IT IS A 1/4 SEC COR. BETWEEN SEC'S 22 & 27 T.7N., R 12W. SEE USGS 15' SHEET "LANCASTER CALIF." QUAD. 1958.

STATION MARK.

A 2½" BRASS "COUNTY SURVEYORS MONUMENT" DISC STAMPED "22, 27, 1/4 SEC. COR. T. 7 N. R. 12 W." SET IN A 6" CONC POST WHICH IS IN A MON. WELL 1.65' BELOW THE CAST IRON COVER THAT IS FLUSH WITH THE PAVED SURFACE. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

R.M. 1 : A 4" L.A.CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC " STAMPED "LANCASTER WEST N9 RM 1 1972 RE 7078" SET IN AN 8" CONC POST WHICH IS LEVEL WITH THE ADJACENT CURB. IT IS TAN. TO "RM 2" AND "LN.W. M8".

R M 2 : IDENT TO "RM 1" EXCEPT STAMPED "RM 2". IT IS TAN TO "RM 1" AND LN.W. M8

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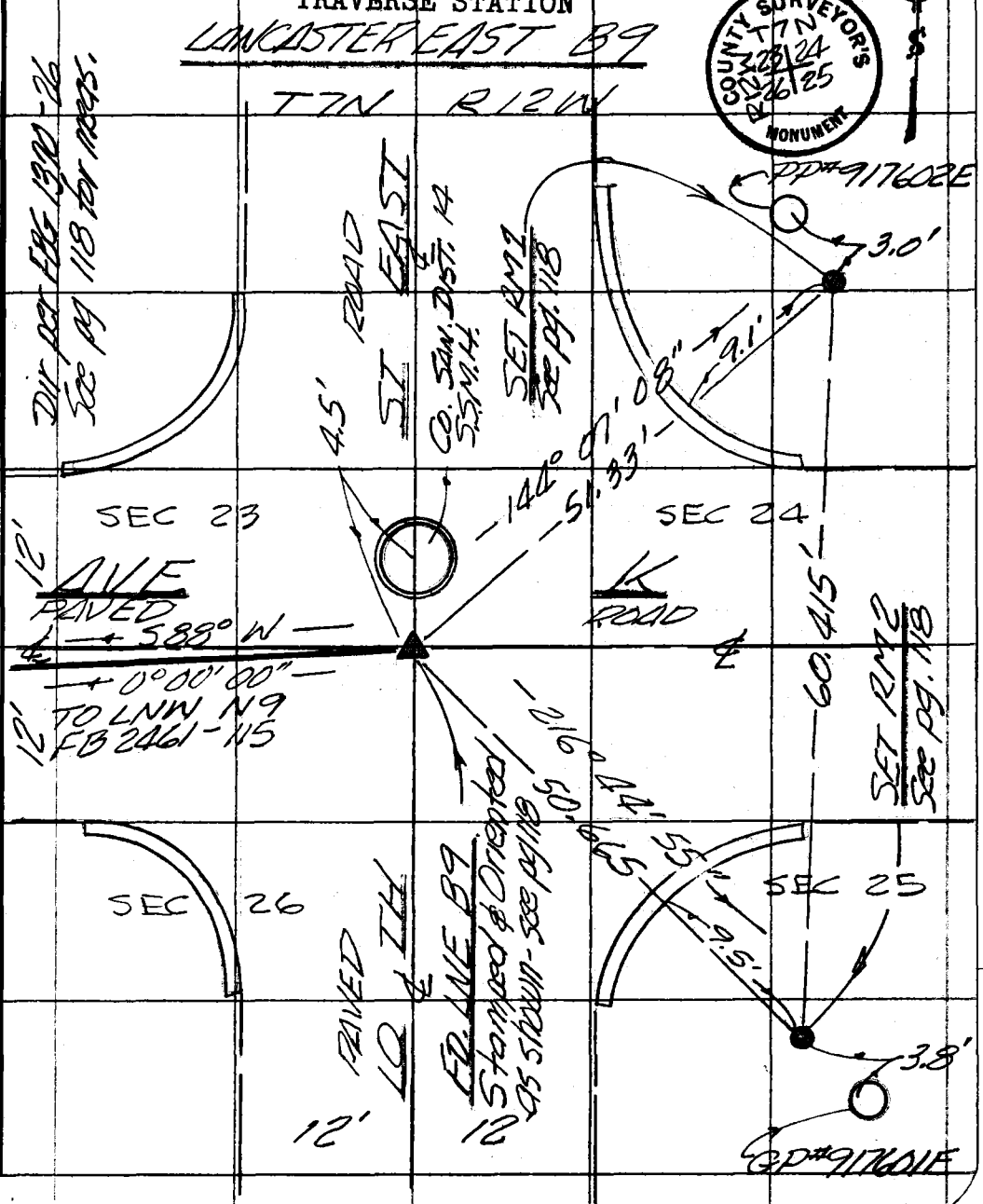
Map No.	JN 031.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 9-7-72
Date	Index T. M. PALMERI JUN 21 1974

F. B 2461 PG. 117

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LANCASTER EAST B9



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76F309S CE#310 3-69

F. B 2461 PG. 118

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LANCASTER EAST 89

300' #221 MEASUREMENTS 50 MTR M6

T92° 51.33' = 51.33' 15.648m = 15.648m = 51.32'
T92° 50.665' = 50.665' 15.444m = 15.444m = 50.67'
T98° 60.405' = 60.415' 18.411m = 18.414m = 60.41'

AREA: This trav. sta. is located in the N. portion of L.A. Co. in the Antelope valley, east of the town of Lancaster, and is the intersection of Avenue K & 10th St East.

STATION MARK:
A 2½" "COUNTY SURVEYORS MONUMENT" BRASS DISC stamped "23|24 T7N 26|25 R12W" dn. 25" ℄ protected by a cast iron cover. No sub-surface mark set.

REFERENCE MARKS:

R.M. 1 - A 4" L.A.Co. Sur. Cont. 5½. Brass ref. mark disc stamped "LANCASTER EAST 89 1972 RM 1 RE 7078" up 4" ℄ set in a 8" conc. post.

RM 2 - Same as RM 1, except stamped "RM 2"

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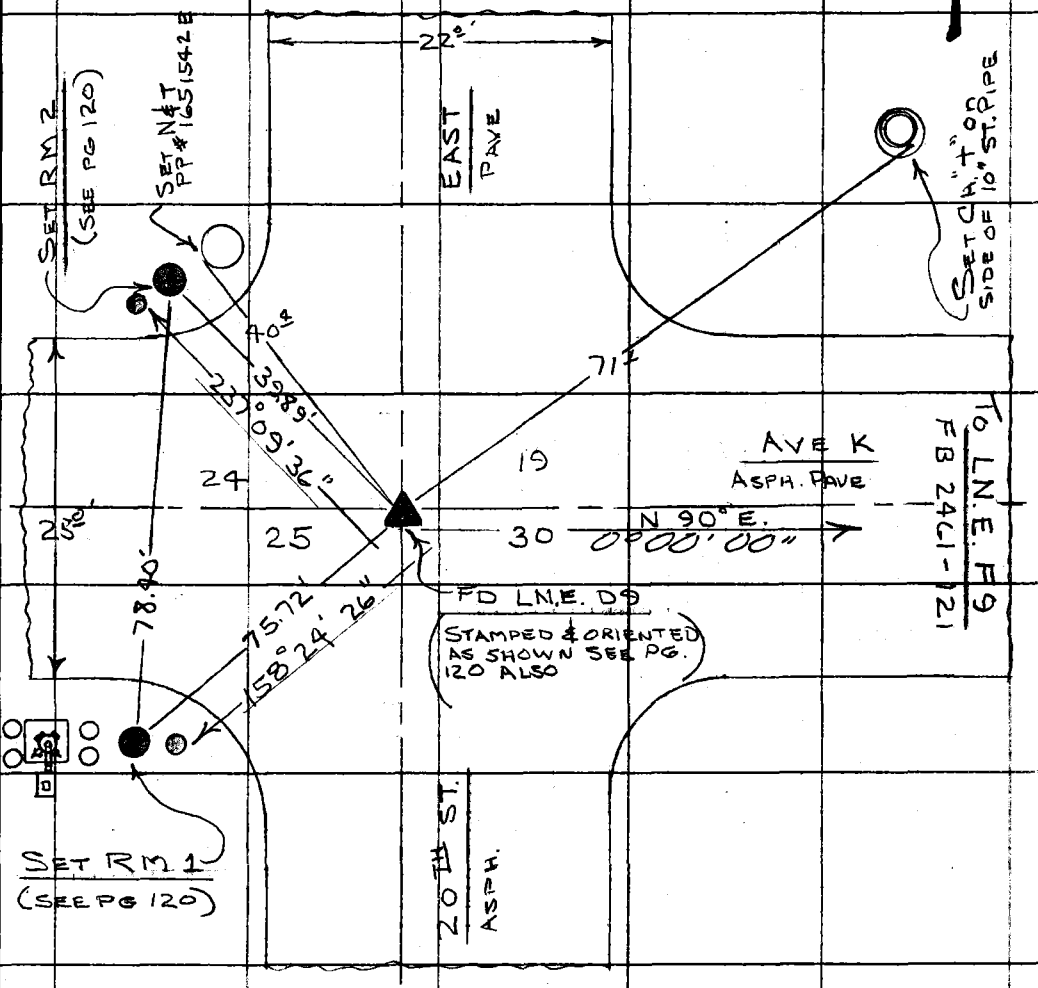
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 9/8/72
Date	Indexed L. M. PALMERI JUN 21 1974

F. B. 2461 PG. 119

COUNTY SURVEYOR'S MONUMENT R. 12 W. T. 7 N. 24 19 25 30 1930

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER EAST D9



MEASUREMENTS: SEE PG 120

● = 2" MARKER PIPE SET 2' OFF

DIRECTIONS: FBG 1370-27

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76F309S CE#310 3-69

F. B. 2461 PG 120 L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

L.N.E. D9

50 MTR # M6 MEASUREMENTS 300' TAPE # 221

LEVEL @ T- 92°

23.079 M =	23.079 M =	75.72'	T- 88°	75.72' = 75.72'
12.241 M =	12.241 M =	39.89'	T- 8C°	39.89' = 39.89
23.895 M =	23.895 M =	78.40'		78.40' = 78.40

AREA THIS TRAVERSE STA. IS IN NORTHERN L.A. CO. IN THE "ANTELOPE VALLEY" EAST OF THE TOWN OF "LANCASTER" AND IS THE INTER. OF 20TH ST. E. & AVE K. SEE U.S.G.S 15' SHEET "LANCASTER CALIF." QUAD. 1958

STATION MARK

A 2½" "COUNTY SURVEYORS MONUMENT" BRASS DISC STAMPED " $\frac{24}{25}\frac{19}{30}$ T. 7 N. R. 12 W. 1930" SET IN A 6" CONC. POST WHICH IS IN A MON. WELL 1.40' BELOW THE CAST IRON CAP THAT IS FLUSH WITH THE PAVED SURFACE. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM1 A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "LANCASTER EAST D9 RM 1 1972 RE 7078" SET IN AN 8" CONC POST WHICH IS 3" ABOVE GRD.

RM 2 IDENT. TO "RM 1", EXCEPT STAMPED "RM 2".

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23.D

Notes Ck'd by	Survey of GEODETIC CONTROL
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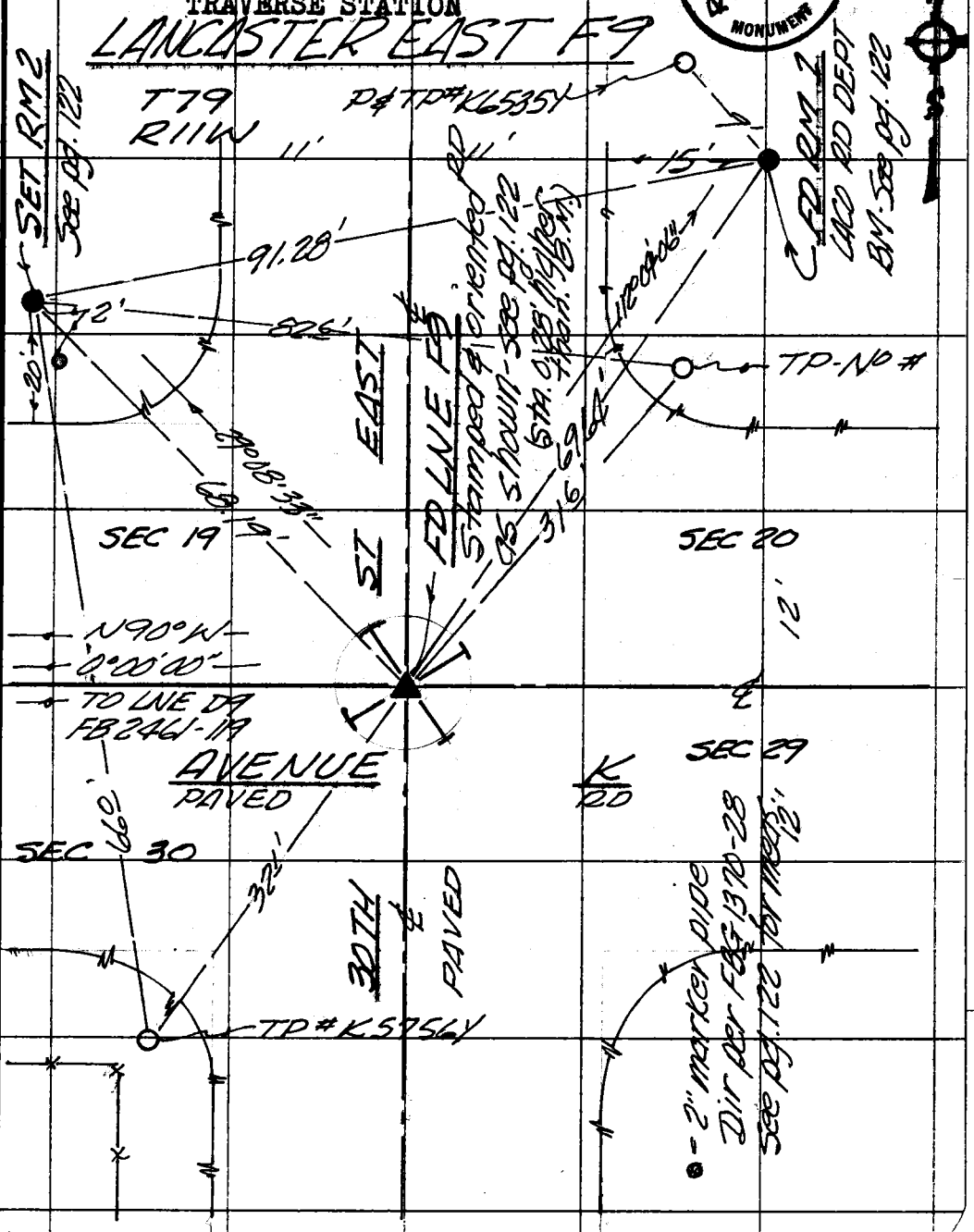
Office Work	Surveyed by R. C. Wilson
Checked	Notes RWW Date 9-8-72
Date	Indexed I. M. PALMERI JUN 21 1974

F. B 2461 PG. 121

COUNTY SURVEYOR'S MONUMENT
RWW T7N 19 20 30 29

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION



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76F309S CE#310 3-69

F. B. 2461 PG. 122

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER EAST F9

300' #221

Measurements 50 MTR MG

T 92° 69.64' = 69.64' 21.227m = 21.227m = 69.64'
T 89° 68.19' = 68.19' 20.783m = 20.783m = 68.19'
T 90° 91.23' = 91.23' 27.820m = 27.820m = 91.27'

AREA: This trav. sta. is located in the N. portion of LACO in the Antelope Valley east of the town of Lancaster, and is the inter. of Avenue K & 30TH ST. EAST.

STATION MARK: A 2 1/2" "COUNTY SURVEYORS MONUMENT" brass disc stamped "# 19|20 / 30|29 T 7N R11W" dn. 1.4' and protected by a cast iron cover.

REFERENCE MARKS:

RM 1: A 2" brass disc stamped "LACO RD DEPT 1972 B.M." set in a 4" conc. post dn 0.6' & protected by a 13"x13"x13" triangular cast iron cover.

RM 2: A 4" L.A. CO. SUR. CONT. S'VS. brass ref. mark disc stamped "LANCASTER EAST F9 1972 RM2 RE ~~584~~ 7078" up 2" & set in a 8" conc. post.

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Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. Pyle Date 9/11/73
Date	Index L. M. PALMER JUN 21 1974

F. B. 2461 PG. 123

COUNTY SURVEYOR'S MONUMENT T. 7 N. R. 11 W. 21 22 28 27 1974

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER EAST K9

T. 7 N. R. 11 W.

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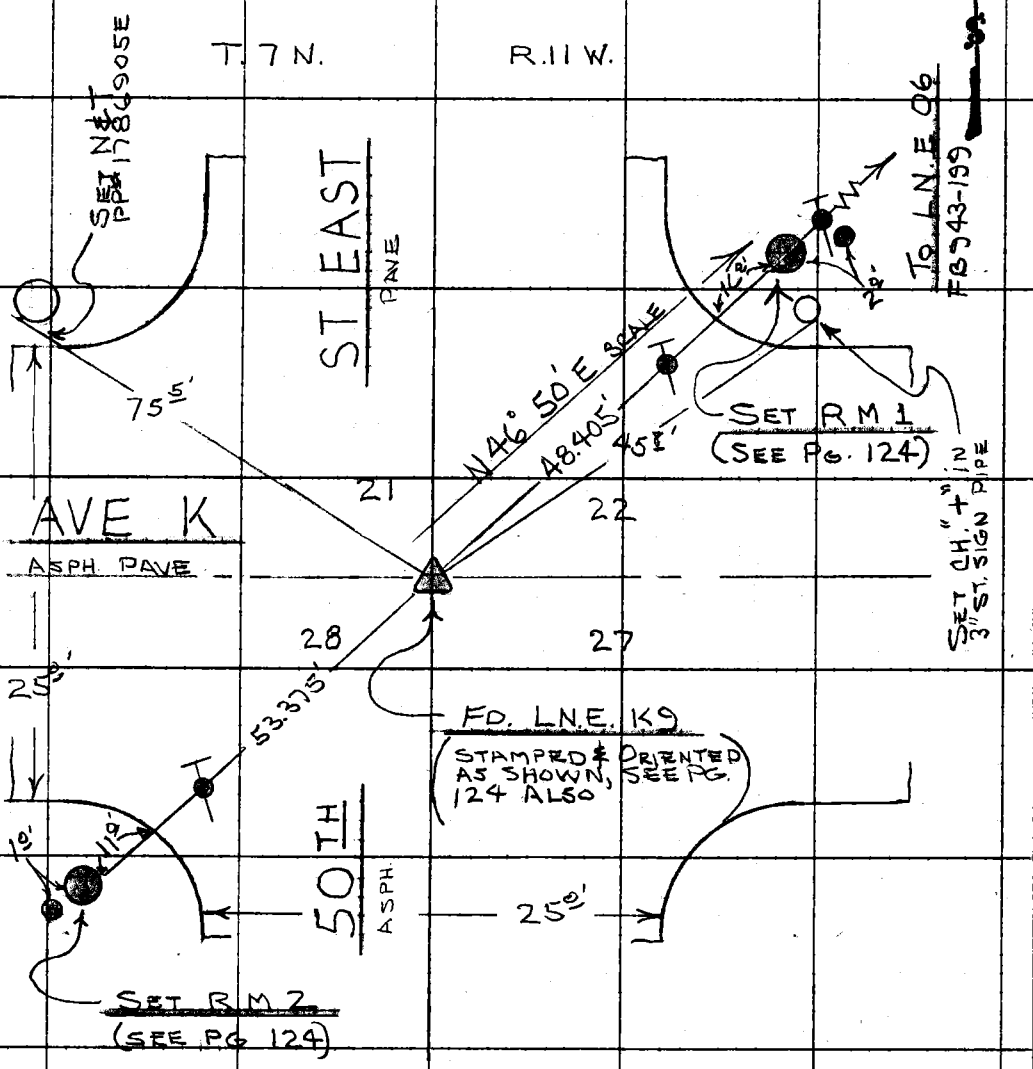

MEASUREMENTS: SEE NEXT PG.

● = 2" MARKER PIPE

76F309S CE#310 3-69

F. B. 2461 PG. 124

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER EAST K9

50 MTR # M3 MEASUREMENTS 300 TAPE * 139

14.753 M = 14.753M = 48.40' T-70° 48.405' = 48.405
16.269 M = 16.269M = 53.375' T-70° 53.375' = 53.375'

AREA:
THIS TRAVERSE STA. IS IN THE ANTELOPE VALLEY PORTION OF NORTHERN L.A. CO., EAST OF THE TOWN OF LANCASTER. IT IS THE INTER. OF AVE K & 50TH ST. EAST. SEE U.S.G.S. 15' SHEET "LANCASTER CALIF" QUAD. 1958.

STATION MARK
A 2½" "COUNTY SURVEYOR'S MONUMENT" BRASS DISC STAMPED 21|22 28|27 T. 7 N. R. 11 W. 1927". SET IN A MON. WELL 1.3' BELOW THE CAST IRON COVER WHICH IS FLUSH WITH THE PAVED SURFACE. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS
RM 1: A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "LANCASTER EAST K9 1972 RM 1 RE 7078" SET IN AN 8" CONC. POST WHICH IS 2" ABOVE GRD. SET TAN. TO LN.E K9, LN.E. K9 RM 2, & LN.E. 09.

RM 2: IDENT. TO "RM 1" EXCEPT STAMPED "RM 2". SET ON TAN. PROD FROM L.N.E. K9, LNE. K9 RM 1 & LN.E. 09

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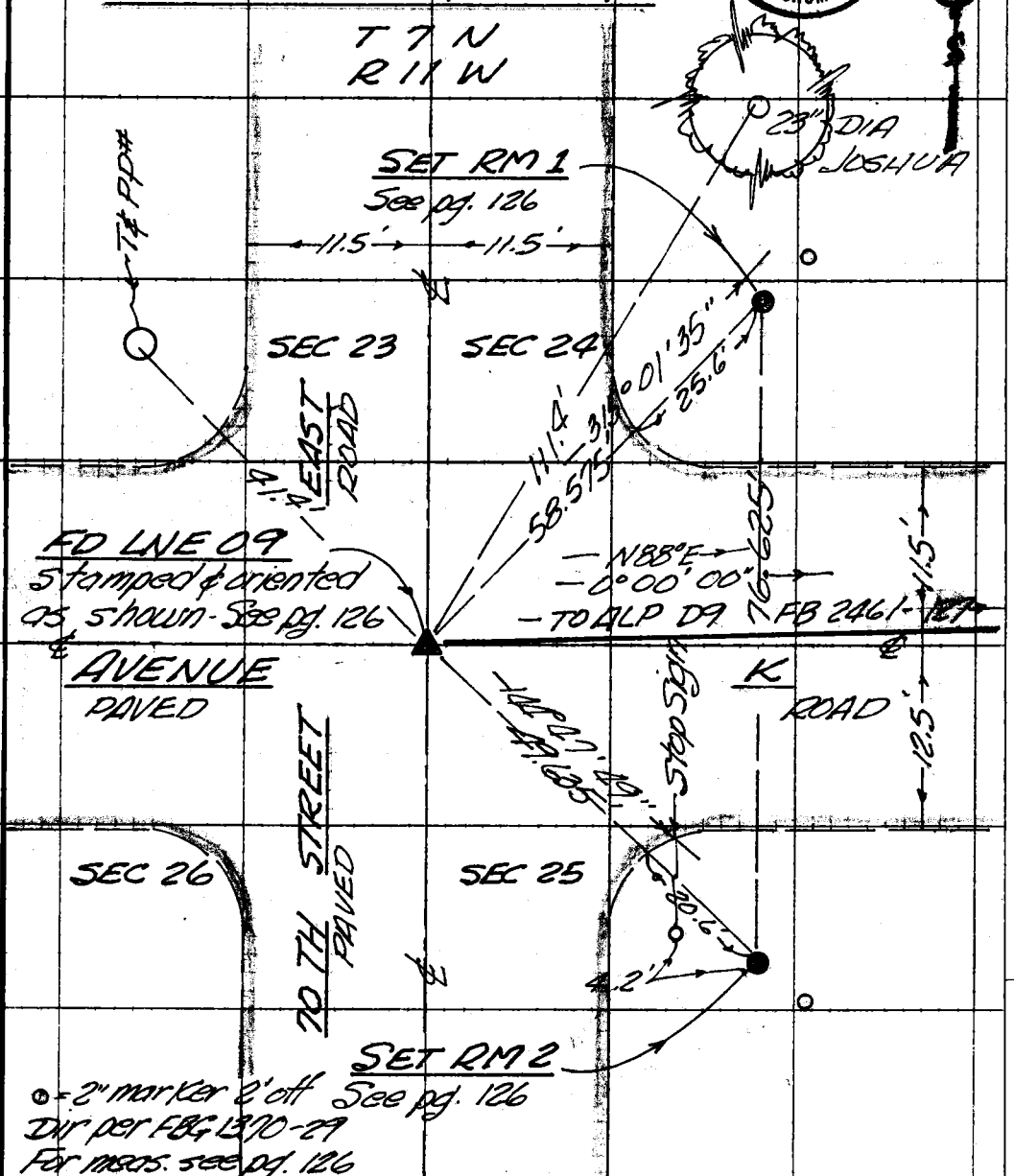
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 9-11-72
Date	Index J. M. PALMER JUN 21 1974

F. B. 2461 PG. 125

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER EAST 09



COUNTY SURVEYOR'S MONUMENT
T7N
R11W
23 24
26 25

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 2461 PG. 126 L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LANCASTER EAST 09

300' # 139 MEASUREMENTS 50 MTR M3

T@77° 58.575'=58.575' 17.856m=17.856m=58.58'
" 49.635'=49.635' 15.130m=15.130m=49.64'
" 76.625'=76.625' 23.355m=23.355m=76.625'

AREA: This ~~tra~~ av. sta. is located in the N. portion of L.A.Co. in the Antelope Valley east of the town of Lancaster 7 miles+ and is the intersection of Avenue K & 70TH Street East.

STATION MARK:
A 2½" "COUNTY SURVEYOR MONUMENT" brass disc stamped " ~~23~~ 24 T7N R11W" 26 25
dn. 1.8' & protected by a cast iron cover. No sub-surface mark.

REFERENCE MARKS:

RM 1: A 4" L.A. Co. Sur. Cont. Sys. brass ref. mark disc stamped "LANCASTER EAST 09 1972 RM 1 RE 7078" up 2" and set in a 8" conc. post.

RM 2: Same as RM 1, except stamped "RM 2" and up 1".

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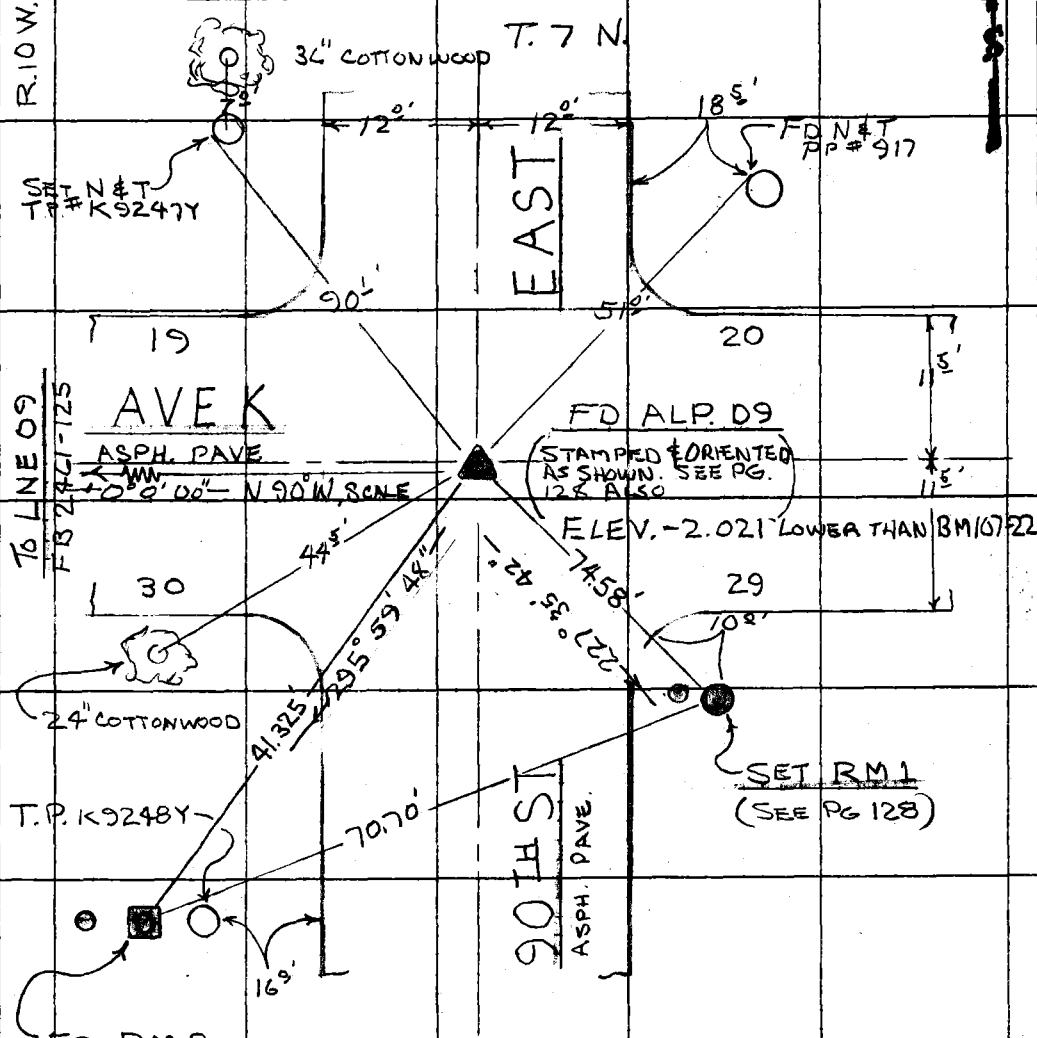
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 9/12/72
Date	Indexed M. PALMERI JUN 21 1974

F. B. 2961 PG. 127

COUNTY SURVEYOR'S MONUMENT T. 7 N. R. 10 W. 19 20 29 1924

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ALPINE BUTTE D9

R.10 W. T. 7 N.



● — 2' MARKER PIPE SET 2' OFF

MEASUREMENTS : SEE PG. 128

DIRECTIONS : FBG 1370-30

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

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

16F309S CE#310 3-69

F. B. 2461 PG. 128 **L. A. COUNTY SURVEY CONTROL SYSTEM**
TRAVERSE STATION
ALP. D9

50 MTR. # M6		MEASUREMENTS	300' TAPE # 221
		LEVEL @ 65°	
12.598 M =	12.595 M =	41.32'	41.335' = 41.325'
22.735 M =	22.732 M =	74.58'	74.59' = 74.58'
21.551 M =	21.548 M =	70.695'	70.71' = 70.70'

AREA

THIS TRAVERSE STA. IS IN THE ANTELOPE VALLEY PORTION OF NORTHERN L.A. CO., EAST OF THE TOWN OF LANCASTER. IT IS THE INTER. OF AVE K & 90TH ST. EAST. SEE CORPS OF ENGRS. U.S. ARMY 15' SHEET "ALPINE BUTTE CALIF." QUAD 1943

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT" BRASS DISC STAMPED: "19|20 30|29 T.7 N. R.10 W. 192[illegible]". SET IN A MON. WELL 1.70' BELOW THE CAST IRON COVER WHICH IS RECESSED 0.30' BELOW PAVED SURFACE. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM1 A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED: "ALPINE BUTTE D9 1972 RM1 RE7078." SET IN AN 8" CONC. POST WHICH IS FLUSH WITH GRADE.

RM2 A 2½" COUNTY ENGINEER BRASS "BUTTON TOP" BENCH MARK DISC STAMPED "B.M. 107-22 1961 5869". SET IN A 12" x 12" CONC. POST WHICH IS FLUSH WITH GRADE.

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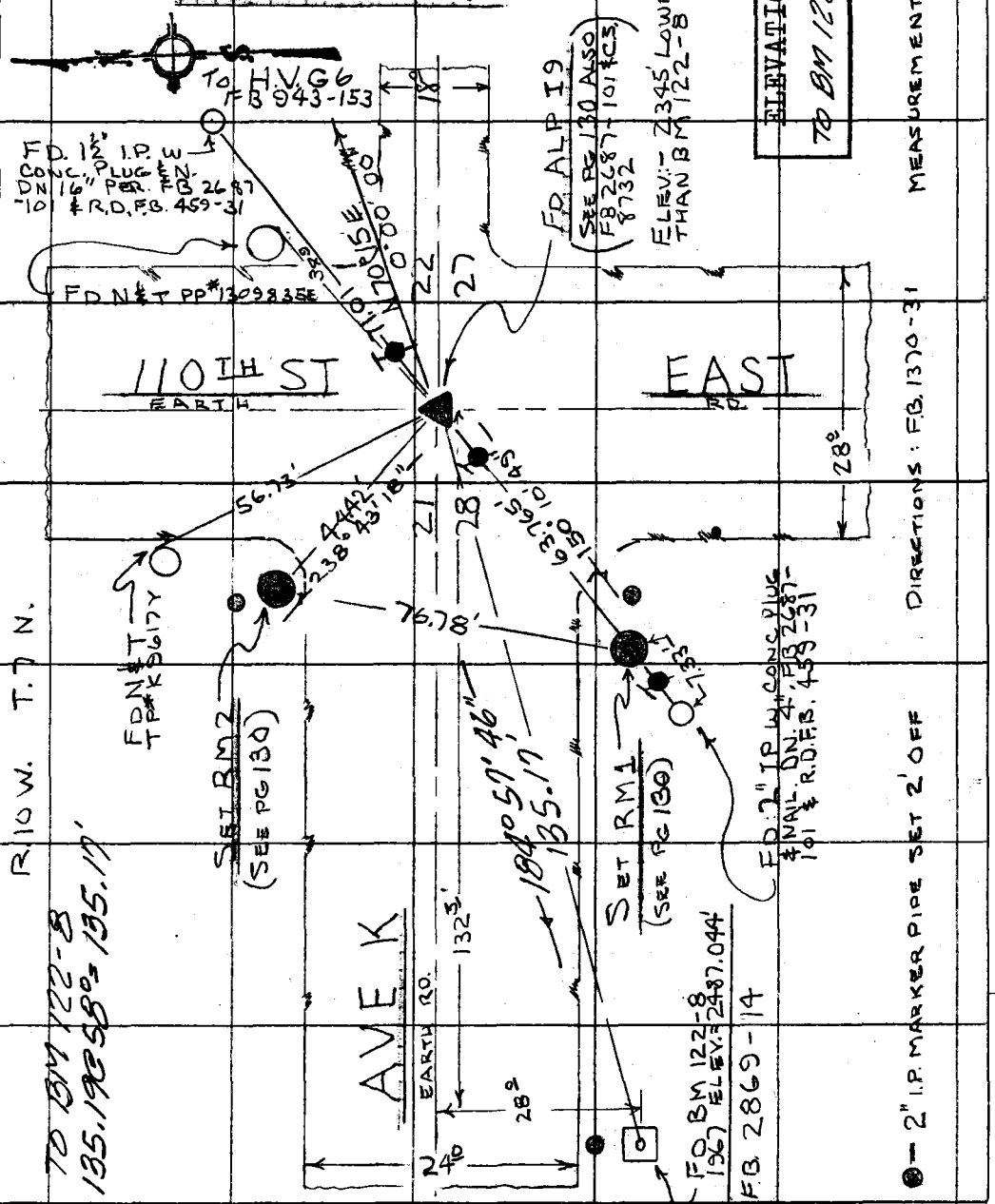
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 9/12/72
Date	Indexed I. M. PALMERI JUN 21 1974

F. B. 2461 PG. 129

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ALPINE BUTTE I9



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26F309S CE#310 3-69

F. B. 2461 PG. 130

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ALP I9

50 MTR # M6 — MEASUREMENTS — 300' TAPE # 221

LEVEL @ T-90°

19.436 M = 19.436 M = 63.765'
13.538 M = 13.538 M = 44.416'
23.403 M = 23.403 M = 76.78'

63.765' = 63.765'
44.42' = 44.42'
76.775' = 76.775'

LEVEL @ T-72°

71.02' = 71.01'
56.73' = 56.725'
71.10' = 71.10'

AREA:

THIS TRAVERSE STA. IS IN THE ANTELOPE VALLEY PORTION OF NORTHERN L.A. CO., EAST OF THE TOWN OF LANCASTER. IT IS THE INTER. OF 110TH ST. EAST & AVE. K. SEE CORPS OF ENGINEERS, U.S. ARMY 15' SHEET "ALPINE BUTTE CALIF." QUAD. 1943.

STATION MARK

A 2" I.P. WITH CONC. PLUG, RCE TAG (1630), & NAIL. DN. 12" BELOW GRD. NO EVIDENCE OF CO. SUR. MON WAS FOUND. 2" I.P. FITS TIES PER FB 2687-101.

REFERENCE MARKS

RM1 A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED: "ALPINE BUTTE I9 1972 RM 1 RE 7078". SET IN AN 8" CONC. POST WHICH IS 4" ABOVE GRD. SET TAN TO ALP I9 & A 1½" R.P. TO THE N.E..

RM 2 IDENT TO RM 1 EXCEPT STAMPED "RM 2" NOT TAN. TO ANY OTHER POINT.

BM 122-8 A 2½" CO. ENGR. BUTTON TOP BRASS BENCH MARK DISC STAMPED "B.M. 122-8 1961 RE 5869" UP 6" & SET IN A 12"X12" CONC. PAD.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 9-13-72
Date	Index T. M. PALMER JUN 21 1974

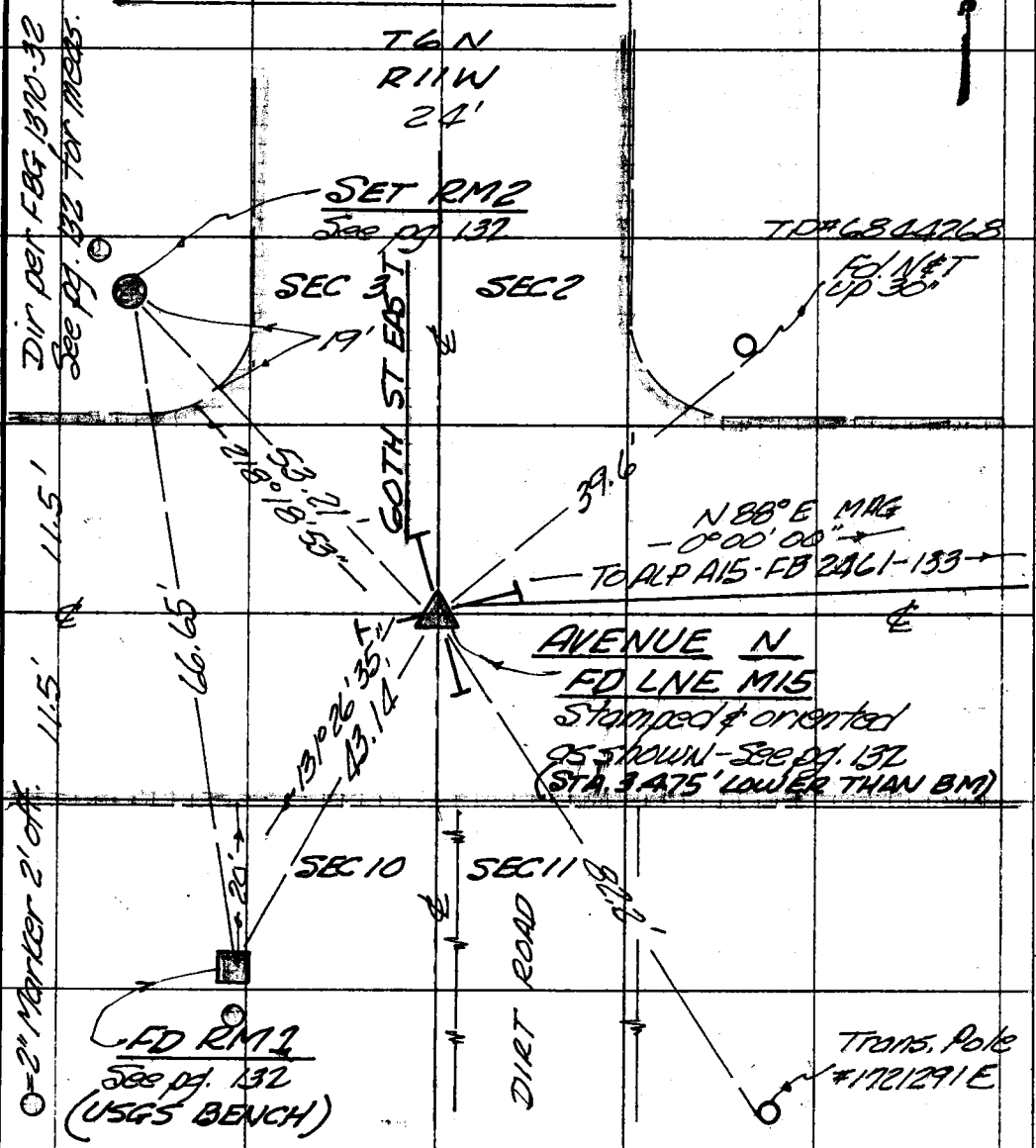
F. B 2461 PG. 130

COUNTY SURVEYOR'S MONUMENT
T. 6 N.
R. 11 W.
3 2
10 11
1927

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LANCASTER EAST M15



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76F309S CE#310 3-69

F. B 2461 PG 132

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER EAST M1S

300' # 139

Measurements	50 MTR M3
	Level @ 65° T
43.15' = 43.14'	13.154m = 13.151m = 43.145'
53.22' = 53.21'	16.221m = 16.218m = 53.21'
66.66' = 66.65'	20.319m = 20.316m = 66.65'

AREA: This trav. sta. is located in the N. portion of L.A. Co. in the Antelope Valley NE of the town of Palmdale 6 miles ± and is the intersection of Avenue N & 60 Th St East.

STATION MARK: A 2½" "COUNTY SURVEYORS MONUMENT" brass disc stamped "3/10 2/11 T. 6N. R. 11W. 1927." dn. 2.1' ¢ protected by a cast iron cover. No sub-surface mark.

REFERENCE MARKS:

RM1: A 4" U.S.G.S. brass disc stamped "LOS ANGELES COUNTY LS 28 1929" up 3" ¢ set in a 12"x12" conc. pad.

RM2: A 4" L.A. Co. Sur. Cont. Sys. brass ref. mark disc stamped "LANCASTER EAST M1S 1972 RM2 RE 7078" up 4" ¢ set in a 8" conc. post.

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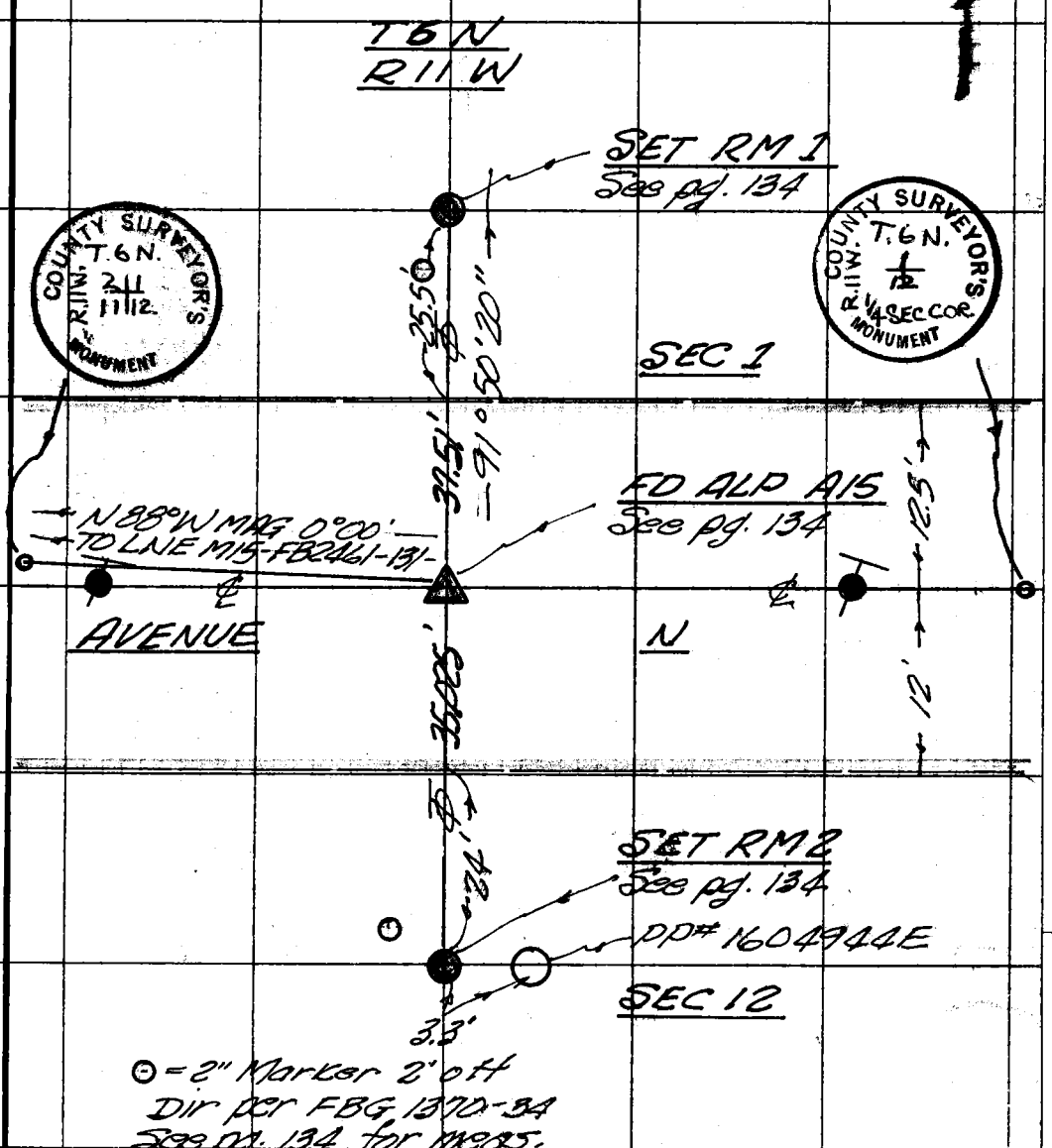
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes R. C. Wilson Date 9-14-72
Date	Indexed L. M. PALMER JUN 21 1974

F. B. 2461 PG. 133

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

ALPINE BUTTE A15



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76F309S CE#310 3-69

F. B. 2461 PG. 134

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ALPINE BUTTE A15

300' # 139 Measurements 50 Mtr. M3

Level @ 68°T

37.51' = 37.51' 11.432m = 11.432m = 37.505'

35.025' = 35.025' 10.675m = 10.675m = 35.025'

AREA: This trav. sta. is located in the N. portion of L.A. Co. in the Antelope Valley 3.5± miles N & 7.0± miles E. of the town of Palmdale, a point on line between Sec 1 & Sec 12, T6N, R11W, 0.2± miles east of 70Th St E, & on the ℄ of Avenue N.

STATION MARK: A large boat spk washer & tin flush in pavement. No other mark set this date 9-13-72 RWV.

REFERENCE MARKS:

RM 1: A 4" L.A. Co SUR. CONT. SYS. brass ref. mark disc stamped "ALPINE BUTTE A15 1972 RM 1 RE 7078" up 2" & set in a 8" conc. post.

RM 2: Same as RM 1, except stamped "RM 2", up 4" & ⊕ to RM 1.

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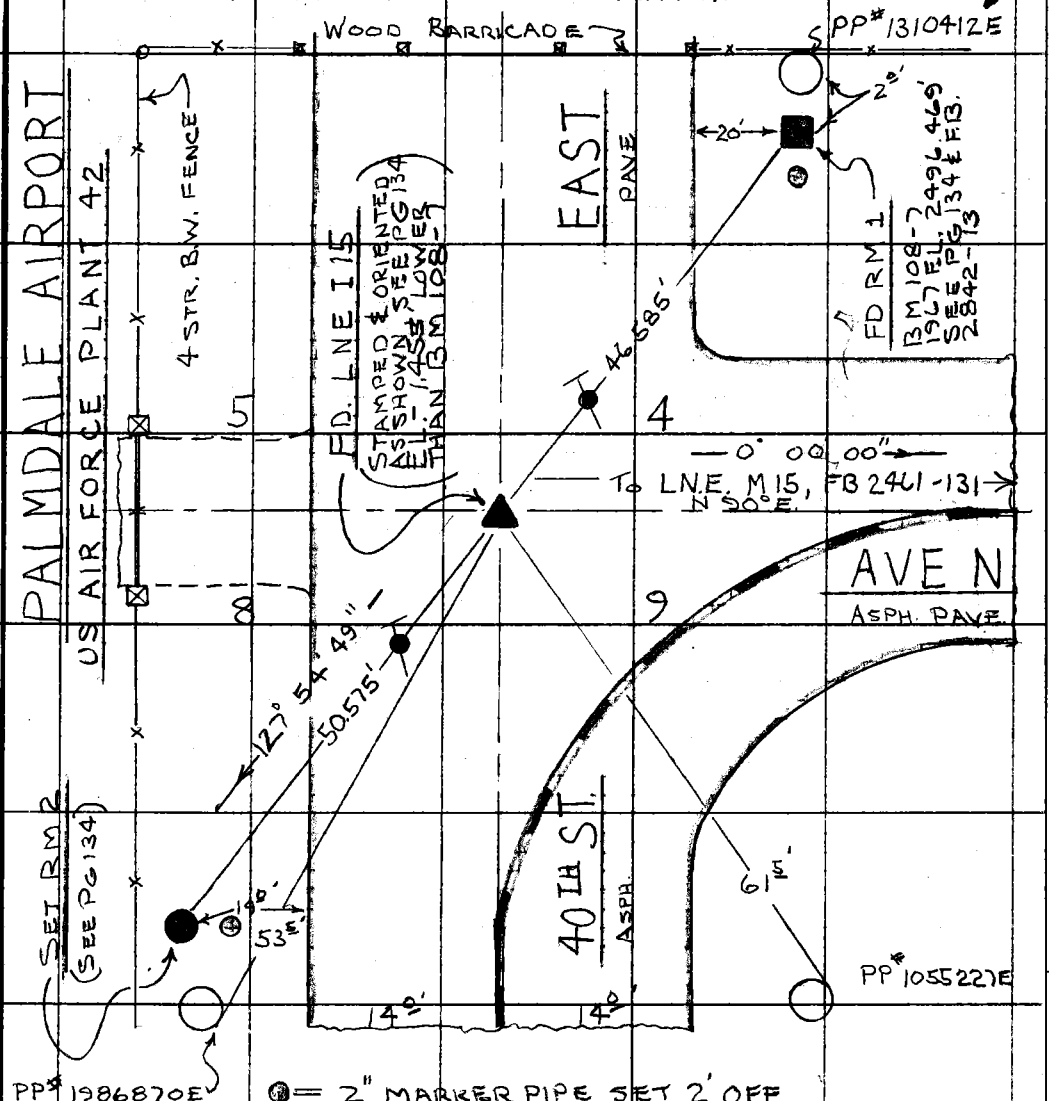
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 9/13/72
Date	Indexed E. M. PALMERI JUN 21 1974

F. B. 2461 PG. 135

COUNTY SURVEYOR'S MONUMENT R. 11 W. 5 4 8 9 T. 6 N. 1926

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LANCASTER EAST I 15



● = 2" MARKER PIPE SET 2' OFF
DIRECTIONS: FB G 1370-33
MEASUREMENTS: SEE PG 134

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

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76F309S CE#310 3-69

F. B. 2461 PG 136 **L. A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION**

LNE I 15

50 MTR M6 MEASUREMENTS 300' TAPE #221

LEVEL @ I-86

15.416 M = 15.412 M = 50.575' 50.57' = 50.57'
14.200 M = 14.200 M = 46.59' 46.585' = 46.585'

AREA

THIS TRAVERSE STA. IS IN NORTHERN L.A.CO. ADJACENT TO THE "PALMDALE AIRPORT". IT IS THE INTER. OF AVE N & 40TH ST. EAST. SEE U.S.G.S. 15' SHEET "LANCASTER CALIF." QUAD. 1959

STATION MARK.

A 2½" "COUNTY SURVEYORS MONUMENT" BRASS DISC STAMPED "5,4 / 8,9 T.6N. R.1W. 1926" SET IN A CONC. POST WHICH IS 18" BELOW THE PAVED SURFACE. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM 1 A 2½" COUNTY ENGINEER BRASS "BUTTON TOP" BENCH MARK DISC STAMPED "B.M. 108-7 1961 5860" SET IN A 12"X12" CONC. PAD, 2" ABOVE GRD. IT IS TAN. TO LNE. I 15 & RM 1

RM 2 A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "LANCASTER EAST I 15 1972 RM 2 RE 7078" SET IN A 8" CONC. POST WHICH IS 1" ABOVE GRD. SET ON TAN. PROD FROM RM 1 AT LNE. I 15.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RCW
Checked	Notes RCW Date 9-14-72
Date	Indexed T. M. PALMER JUN 21 1974

F. B 2461 PG. 137

GEODETIC CONTROL

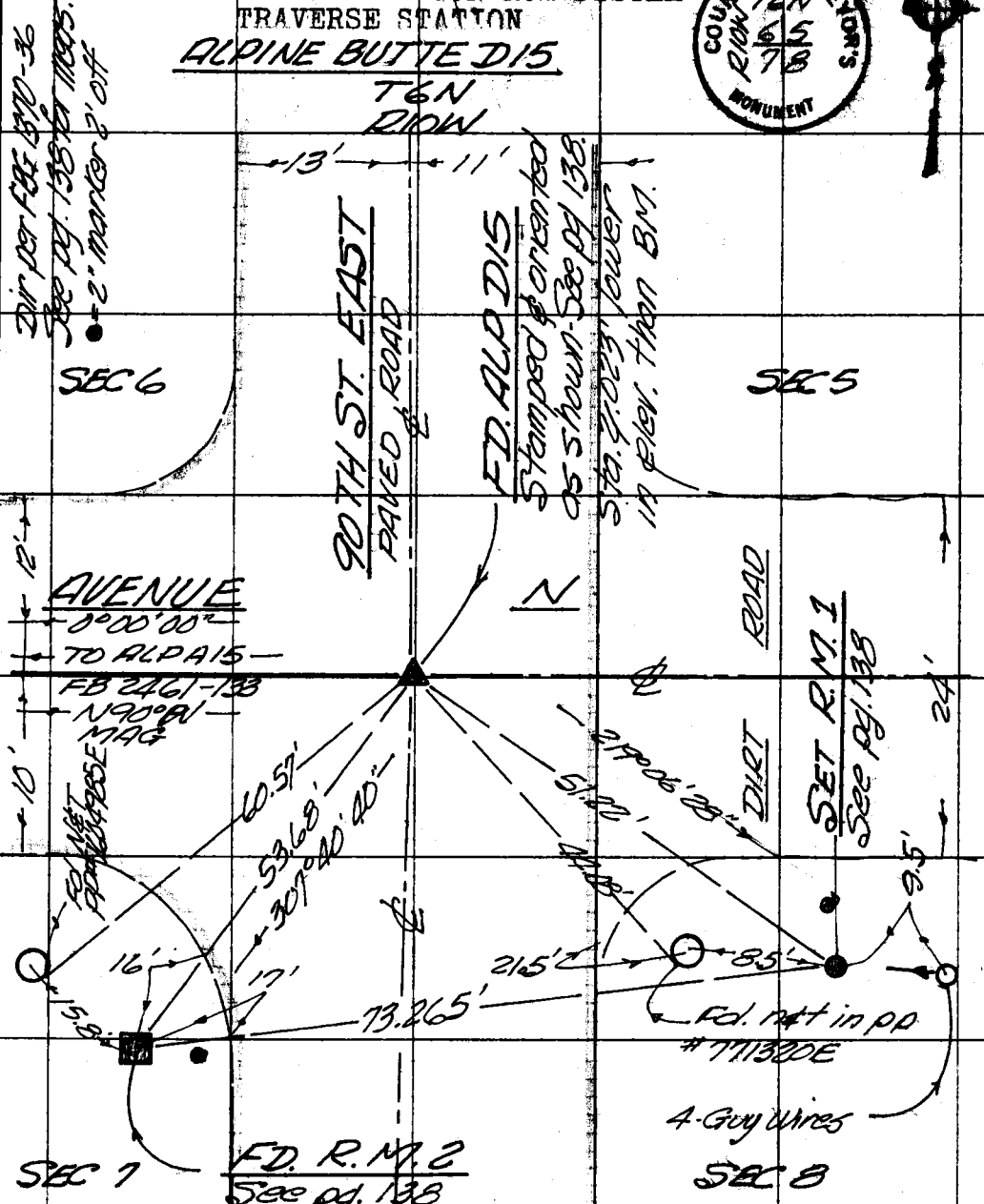
L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

ALPINE BUTTE D15

T6N

R10W



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76F309S CE#310 3-69

F. B 2461 PG 138

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ALPINE BUTTE D15

300' #139	TE72° Measurements	50 Mtr M3
51.22' = 51.22'	15.614m = 15.614m = 51.22'	
53.68' = 53.68'	16.365m = 16.365m = 53.68'	
73.265' = 73.265'	22.333m = 22.333m = 73.265'	
60.[illegible]' = 60.57'		
44.[illegible]' = 44.08'		

AREA: This trav. sta. is located in the N portion of L.A.Co. in the Antelope Valley, 3.5± miles N & 9.0± miles E of the town of ~~Ea~~ Palmdale, and is the inter. of Avenue K & 90 Th St East.

STATION MARK: A 2½" "COUNTY SURVEYORS MONUMENT" brass disc stamped "6|5 7|8 T6N R10W" dn. 6" below pav't & protected by a cast iron cover.

REFERENCE MARKS

RM1: A 2½" L.A.Co. SUR. CONT. SYS. brass ref. mark disc stamped "ALPINE BUTTE D15 1972 RM1 RE 7078" up 4" & set in a 8" conc. post.

RM2: A 2½" L.A. CO. ENGR. button top brass bench mark disc stamped "BM 107-16 1961 5869" up 6" & set in a 12"x12" conc. pad.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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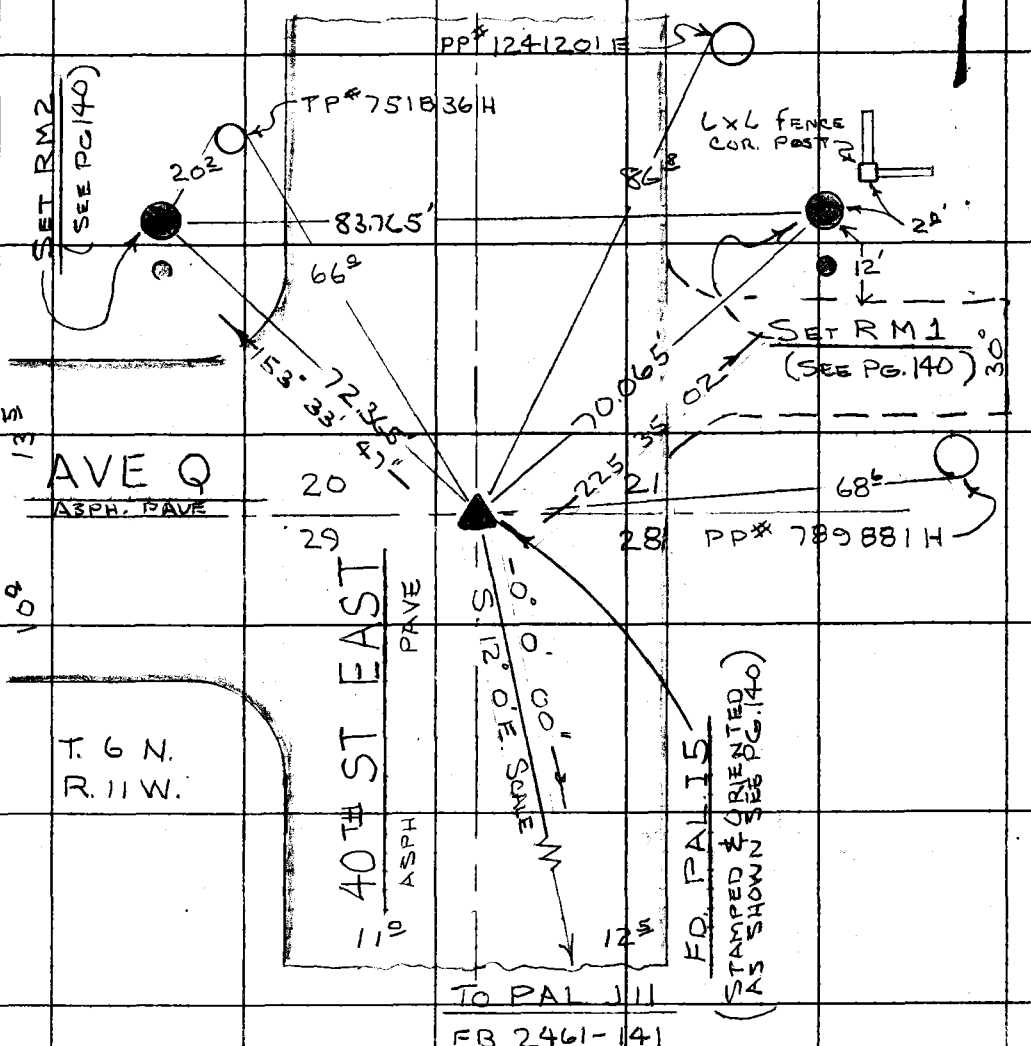
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 9/18/72
Date	Index L. M. PALMER JUN 21 1974

F. B. 246 PG. 139

COUNTY SURVEYOR'S MONUMENT T. 6 N. R. 11 W. 20 21 29 28 1826

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
PALMDALE 15



● — 2" MARKER PIPE SET 2' OFF

MEASUREMENTS : SEE NEXT PG.

DIRECTIONS : FB G1370-38

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

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16F309S CE#310 3-69

F. B. 2461 PG. 140 **L. A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION**

PAL I 5

50 MTR. # M3 **MEASUREMENTS** 300' TAPE # 39

LEVEL @ 72°

21.360 M =	21.357 M =	70.068'	70.07' = 70.06'
22.060 M =	22.057 M =	72.365'	72.37' = 72.36'
25.535 M =	22.532 M =	83.766'	83.77' = 83.76'

AREA: THIS TRAVERSE STA. IS IN THE "ANTELOPE VALLEY" PORTION OF L.A. CO., EAST OF THE TOWN OF "PALMDALE". IT IS THE INTER. OF AVE Q & 40TH ST. EAST SEE U.S.G.S. 15' SHEET "LANCASTER CALIF". QUAD. 1959.

STATION MARK A 2½" COUNTY SURVEYORS MONUMENT" BRASS DISC STAMPED " $\frac{20}{29}\frac{21}{28}$ T.6N. R.11W. 1972"

SET IN A 6" CONC POST WHICH IS IN A MON. WELL 12" BELOW THE CAST IRON COVER THAT IS FLUSH WITH THE PAVED SURFACE. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR CONT. SY. BRASS REFERENCE MARK DISC STAMPED: " PALMDALE IS 1972 RM 1 RE 707 B". SET IN AN 8" CONC POST 3" ABOVE GRD.

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

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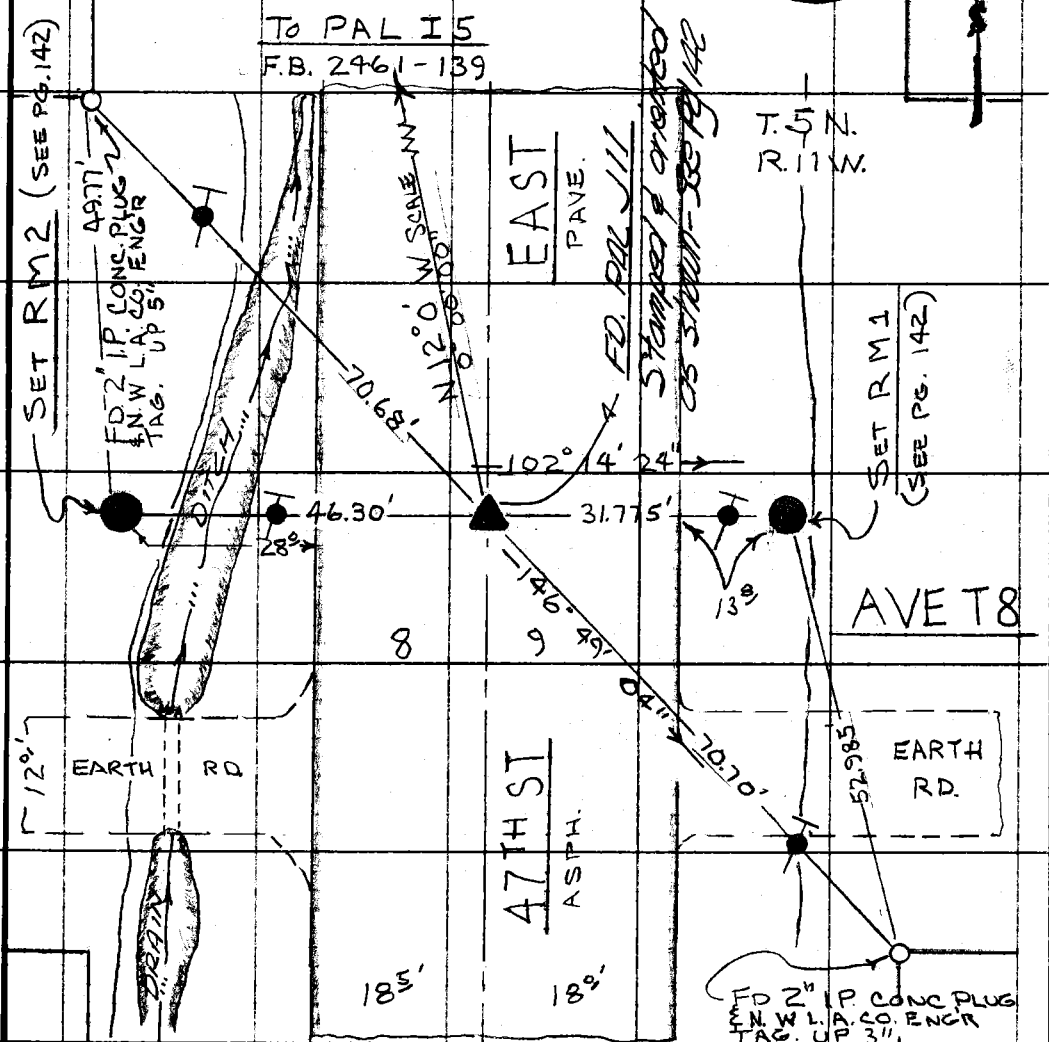
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 9/14/72
Date	Indexed J. M. PALMERI JUN 21 1974

F. B. 2461 PG. 141

COUNTY ENGINEER T5N R11W 8 9 1/4 COR. R. E. 5869

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
PALMDALE J11

TO PAL I5
F.B. 2461-139



● = 2" MARKER PIPE SET
DIRECTIONS: FBG 1370-35
MEASUREMENTS: SEE PG 142

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 3-69

F. B. 2461 PG. 142

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
PAL. J 11

50 MTR. M3 — MEASUREMENTS — 300' TAPE 139

14.113 M = 14.113 M = 46.30'	T-89° LEVEL	46.30' = 46.30'
9.684M = 9.684M = 31.775'	T-92° LEVEL	31.775' = 31.775'
	T-92° 52.985' = 52.985'	70.68' = 70.68'
	49.77 = 49.77'	70.70' = 70.70'

AREA

THIS TRAVERSE STA. IS IN THE "ANTELOPE VALLEY" PORTION OF NORTHERN L.A.CO., S.ELY. OF THE TOWN OF "PALMDALE" IT IS THE INTER. OF 47TH ST. EAST & AVE. T 8. SEE USGS 15' SHEET "LANCASTER CALIF." QUAD 1959

STATION MARK

A 2½" COUNTY ENGINEER RE BRASS DISC STAMPED "8 9 ¼ COR. T5N R11W 5869" SET IN A MON. WELL 8" BELOW THE CAST IRON COVER WHICH IS FLUSH WITH THE PAVED SURFACE. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM 1 A 4" L.A.CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "PALMDALE J11 1972 RM 1 RE 7018" SET IN AN 8" CONC POST WHICH IS 3" ABOVE GRD SET TAN. TO PAL. J11 & RM 2

RM 2 IDENT. TO "RM 1" EXCEPT STAMPED "RM 2". SET TAN. TO PAL. J11 & RM 1.

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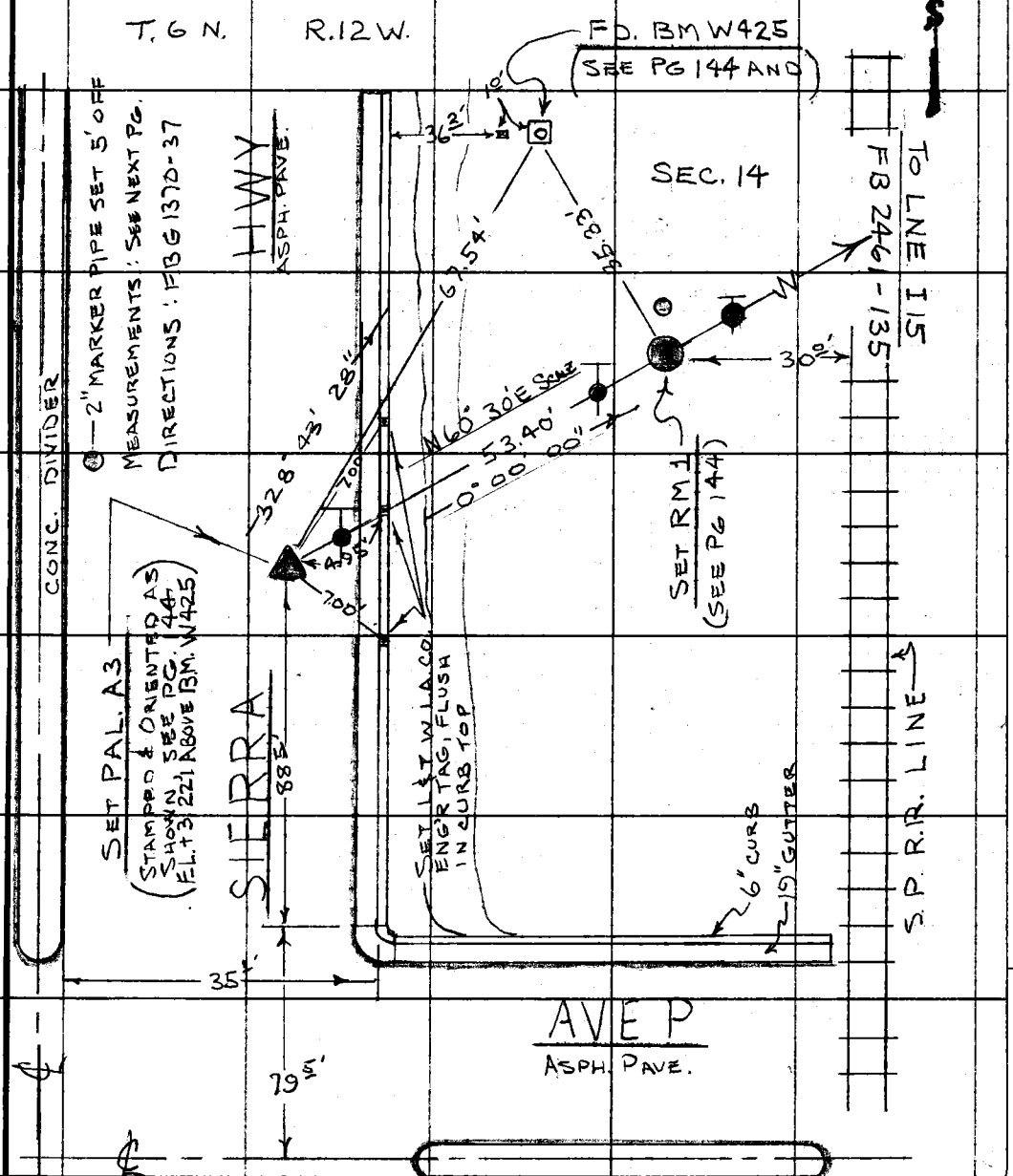
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 9/15/72
Date	Index L. M. PALMER JUN 21 1974

F. B. 246 PG. 143

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
PALMDALE A3



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76F309S CE#310 3-69

F. B. 2461 PG 144 L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

PAL. A3

50 MTR # M3 MEASUREMENTS 300' TAPE # 139

LEVEL @ 90°

16.277 M =	16.277 M = 53.40'	53.40' = 53.40'
20.588 M =	20.588 M = 67.54'	67.54' = 67.54'
10.768 M =	10.768 M = 35.33'	35.33' = 35.33'

AREA

THIS TRAVERSE STA IS IN THE "ANTELOPE VALLEY" PORTION OF NORTHERN L.A. CO ADJACENT TO "PALMDALE AIRPORT" "U.S.A.F. PLANT 42". IT IS 168' N & 30' E OF THE INTER OF "SIERRA HWY & AVE P". SEE U.S.G.S. 20' SHEET "LANCASTER CALIF." QUAD. 1959.

STATION MARK

SET 6" BOLT SPR. WASHER & TIN, FLUSH IN PAVED SURFACE. NO OTHER MARK SET.

REFERENCE MARK

R.M. 1 A 4" L.A.CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "PALMDALE A3 1972 RM1 RE 7078" SET IN AN 8" CONC. POST WHICH IS 2" ABOVE GRD. SET TAN. TO PAL. A3 & LNE. I 15

BENCH MARK: A 4" U.S. COAST & GEODETIC SURVEY BRASS BENCH MARK DISC STAMPED "W 425 1933" SET IN A 6" CONC PAD THAT IS 6" BELOW GRD.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed R. C. Wilson
Checked	Notes C. A. PYLE Date 9/8/72
Date	Index L. M. PALMERI JUN 21 1974

F. B. 2461 PG. 145

U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION SAHARA 1938 U.S.C.&G.S. FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C. DISTURBING THIS MARK. PENALTY FOR WILLFUL DESTRUCTION OR IMPRISONMENT

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

PALMDALE A2

USC&GS "SAHARA"

T. 6 N. R. 12 W.

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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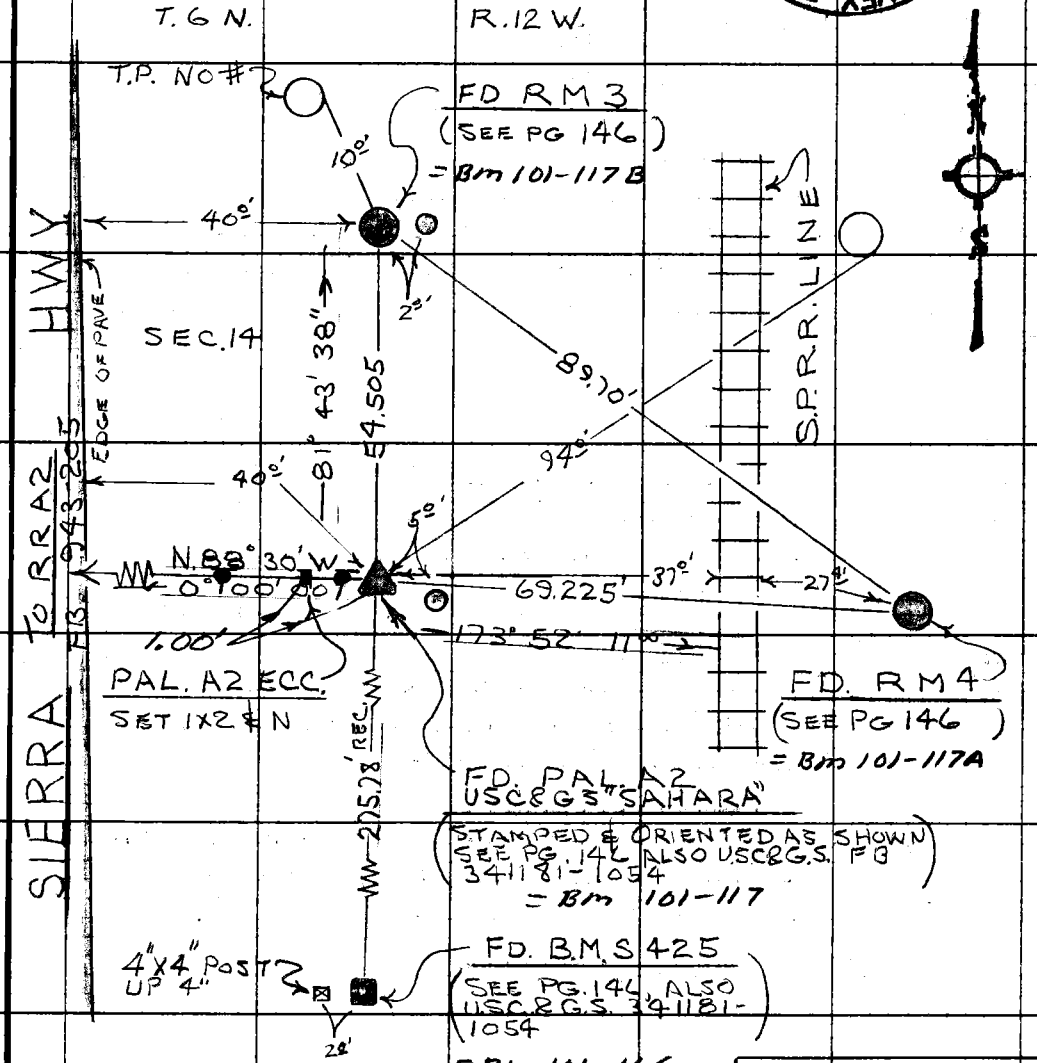
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.



⊙ — 2" MARKER PIPE

MEASUREMENTS: SEE NEXT PG.

DIRECTIONS: FBG 1370-39

A-2 ECC. IS 0.25 LOWER THAN A-2

F. B. 2461 PG. 146

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
PALMDALE A2

50 MTR # M3 | MESUREMENTS | 300' TAPE # 139

LEVEL @ 82°

21.100 M =	21.100 M =	69.225'	69.22' = 69.22'
27.340 M =	27.340 M =	89.70'	89.70' = 89.70'
16.614 M =	16.614 M =	54.507'	54.505' = 54.505'

AREA: THIS TRIANGULATION STATION IS IN THE "ANTELOPE VALLEY" PORTION OF L.A. CO., ADJACENT TO THE "LOCKHEED HANGAR" AT "PALMDALE AIRPORT." IT IS 0.80 MILE N. OF AVE. P, ON THE S.P.R.R. RIGHT-OF WAY. SEE U.S.G.S. 15' SHEET "LANCASTER CALIF." QUAD. 1959.

STATION MARK

A 4" U.S.C.&G.S. BRASS TRIANGULATION STATION DISC STAMPED "SAHARA 1938". SET IN A 10" CONC. PAD. WHICH IS 6" ABOVE GRD. NO RECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

RM 3 A 4" U.S.C.&G.S. BRASS REFERENCE MARK DISC STAMPED: "SAHARA NO 3 1938". SET IN A 10" CONC. POST WHICH IS 5" ABOVE GRD.

RM 4 IDENT TO RM 3, EXCEPT STAMPED "NO 4". SET IN A 10" CONC. PAD WHICH IS IN A 5' DIA. EARTH CONE 20" ABOVE SURROUNDING GRD.

RM 1 & RM 2: OUT

BENCH MARK A 4" U.S.C&G.S. BRASS BENCH MARK DISC STAMPED: "S 425 1935" SET IN A 6" CONC. POS WHICH IS 12" BELOW GRD.

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Notes Ck'd by	Survey of
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by
Checked	Notes C. A. PYLE Date 9/18/72
Date	Indexed L. M. PALMERI JUN 21 1974

F. B. 2461 PG. 147

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
PALMDALE AZ

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76F309S CE#310 3-69

F. B. 2471 PG 148

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
PALMDALE AZ

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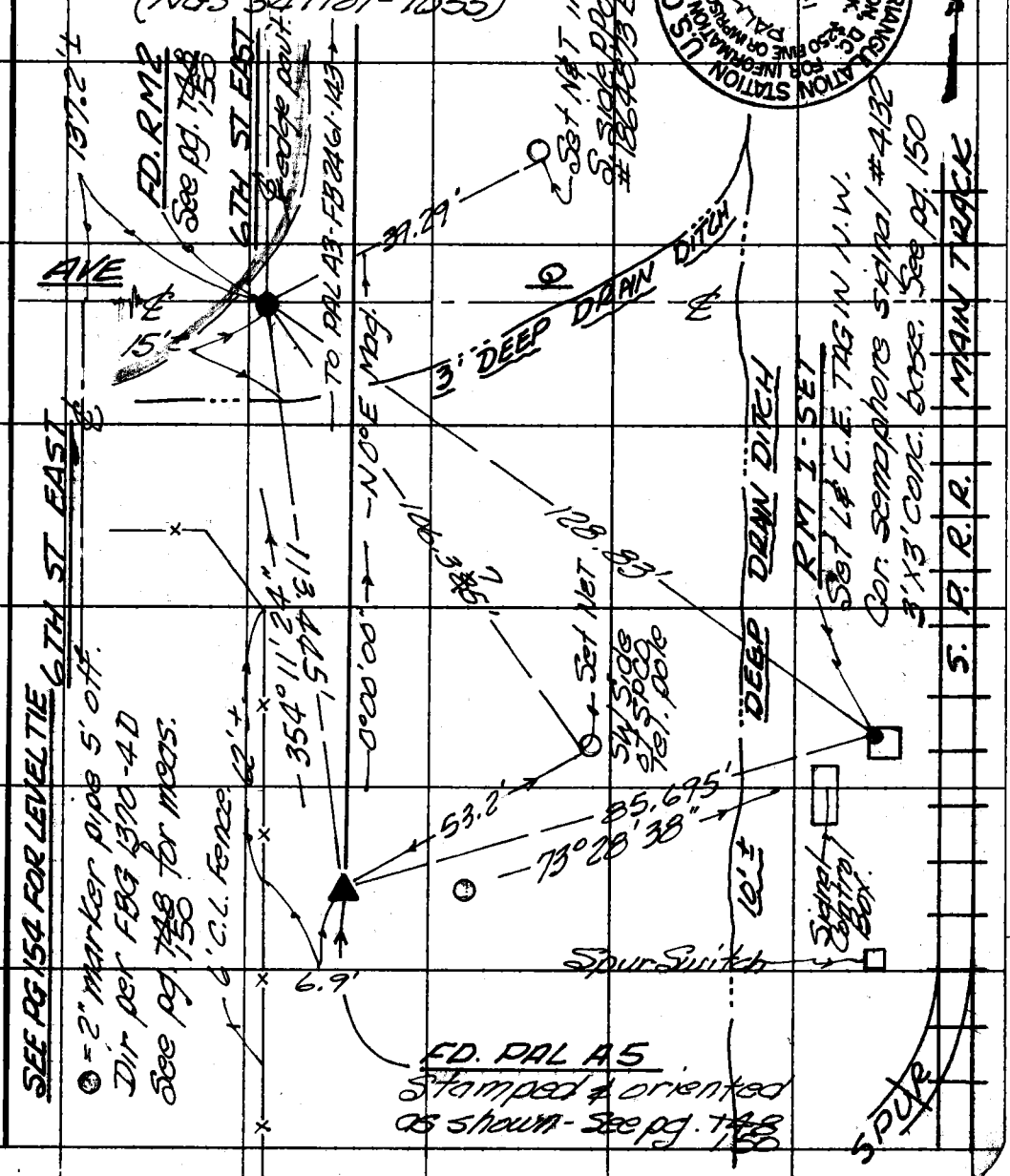
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RW
Checked	Notes RW Date 9-19-72
Date	Index T. M. PALMERI JUN 21 1974

F. B 2461 PG. 1

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
PALMDALE A5
(NGS 341181-1055)



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76F309S CE#310 3-69

F. B. 2461 PG. 150

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

PALMDALE A-5

300 #139 LEVELED 76° MEASUREMENTS 50 MTR M3

85.695' = 85.695' 26.120m = 26.120m = 85.695'
128.84' = 128.83' 39.273m = 39.270m = 128.82'
113.455' = 113.445' 34.582m = 34.579m = 113.445'
39.29' = 39.29'
106.385' = 106.375'

AREA: This triang. sta. is located in the N. portion of L.A.Co. in the city of Palmdale, 113' ± So. of the ℄ of Avenue Q, & 92' W. of the west rail of the S.P.R.R. main line tracks, & on the approx ℄ produced South of 6TH ST EAST.

STATION MARK:
A 4" USC&GS brass triang. disc stamped "PALMDALE 2 1958" up 2" ⌀ set in a 9"x9" conc. pad.

SUB-SURFACE MARK:

Set per NGS 341181-1055 - No description.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JB 0301.00 Tape Std °F
Office Work	Surveyed by RW
Checked	Notes RW Date 9-19-72
Date	Indexed E. M. PALMER JUN 21 1974

F. B 2461 PG. 151

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
PALMDALE A-5

REFERENCE MARKS:

RM 2: A 2½" L.A. CO. ENGR. brass CAP stamped "RE 5869 ⊕" dn 10" and set in a 6" conc. post.

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

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76F309S CE#310 3-69

F. B 2461 PG. 152

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

PALMDALE AS

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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.

F.B. 2461 Pg. 153

Profile No. ____ X-Sec. No. ____ | Notes Red ____ Date ____ Notes Chkd. ____ Date ____ | Plotted ____ Date ____ Checked ____ Date ____ | Job No. ____ Division No. ____ | Survey of GEODETIC CONTROL | Survey by R.C. WILSON Notes C.A. PYLE Date 9-19-72 | Map No. ____ Ind. M. PALMER Date JUN 21 1974

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.

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

ELEVATION DIFF.
BETWEEN
PALMDALE A5 & B.M. G426

9-19-72

R. WILSON P.C. II
R. COCKERHAM T
E MARTINEZ ϕ
C PYLE ⊡

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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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

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STATION	B. S.	H. I.	F. S.	ELEV.	
PAL A5	4.55[illegible]	104.557		100.000	U.S.C.&G.S. "PALMDALE 2" F.B. 2461-149
PAL A5 RM2			5.543	99.014	2½" C.E. MON. BRASS DISC. "5869" DN 4" FB 2461-49
TP	2.124	100.972	5.709	9[illegible]	R.C. COLA CAP IMBEDDED IN ROAD SURFACE
BMG 426	6.021	100.868	6.125	9[illegible]	U.S.C.&G.S. B.M. G 426 1935 6x6 CONC. 3" ABOVE GRD.
TP	6.241	104.555	2.554	98[illegible]4	4"x4" CONC. PAD FLUSH WITH GRD. (N.W. COR.)
PAL A5			4.542	100.013	EL. 100.000' ASSUMED. - SEE LINE 1

F.B. 2461 Pg. 154

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

Survey of GEODETIC CONTROL Date ____ Date ____ No. ____

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

Indexed T. M. PALMERI Date JUN 21 1974 Date ____ Date ____ No. ____

76F309S CE#310 3-69

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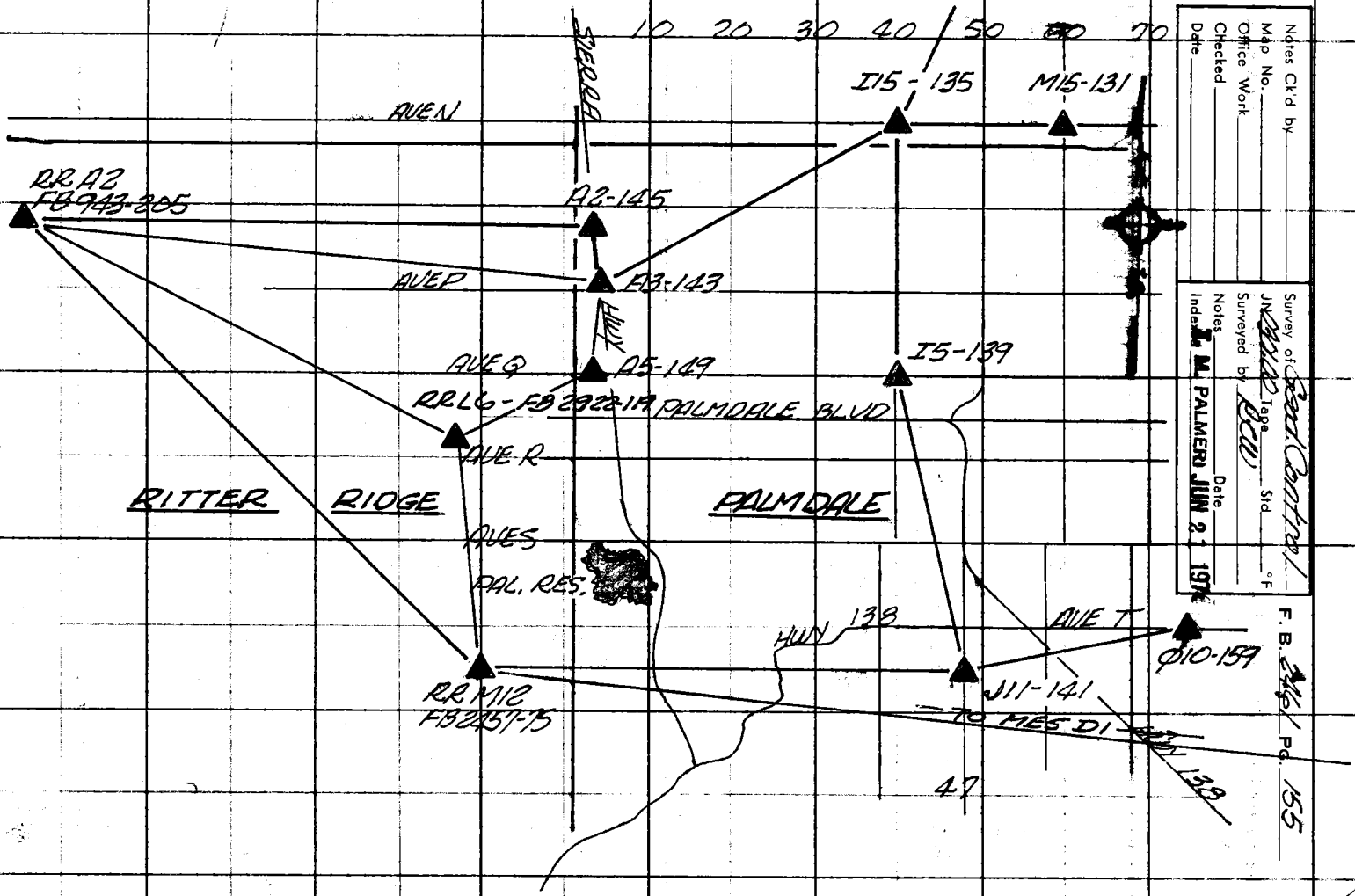

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Good Control
JN 24410 Tape Std °F
Surveyed by RCW
Notes Date
Index J. M. PALMERI JUN 21 1974

F. B. 2461 Pg. 155

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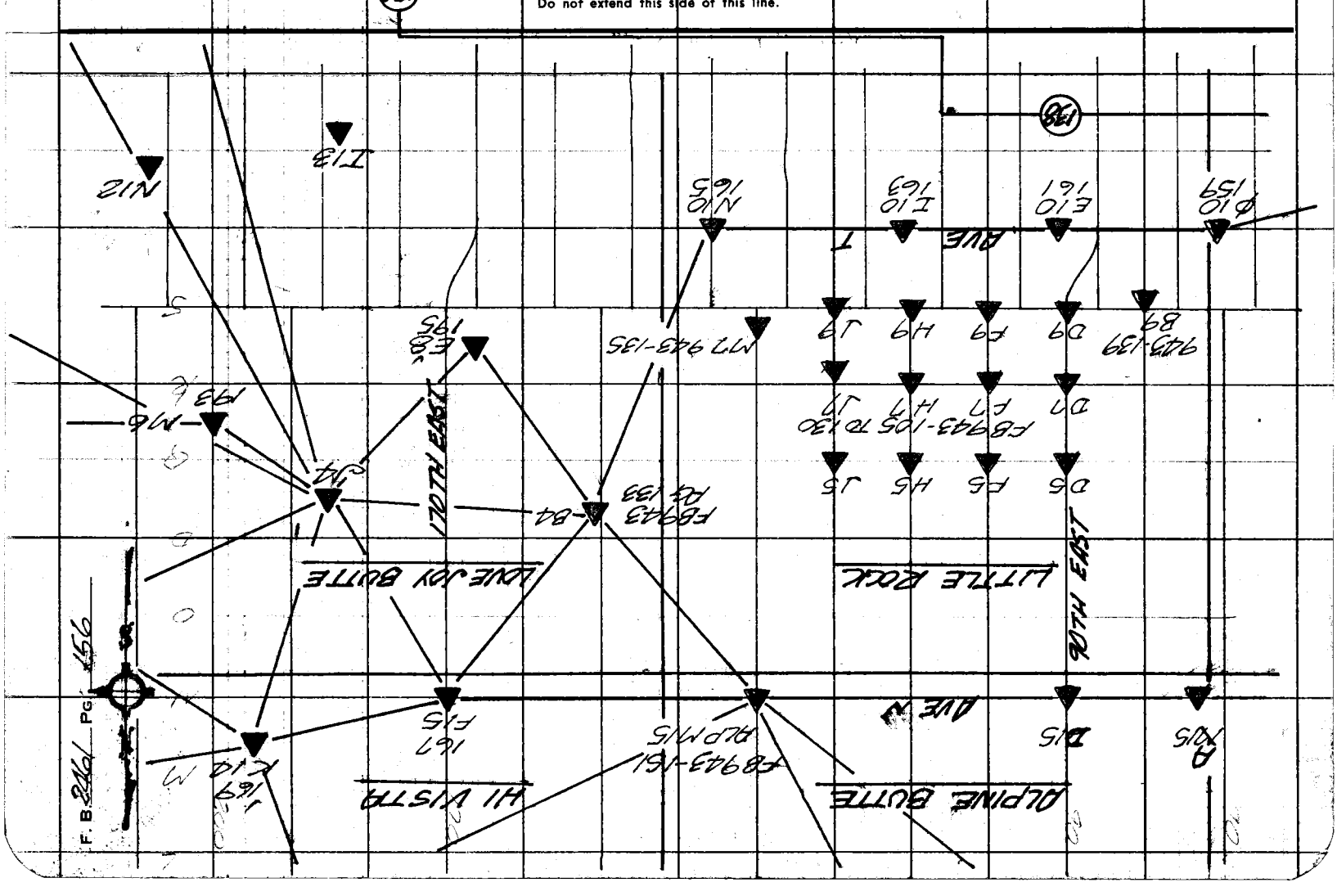
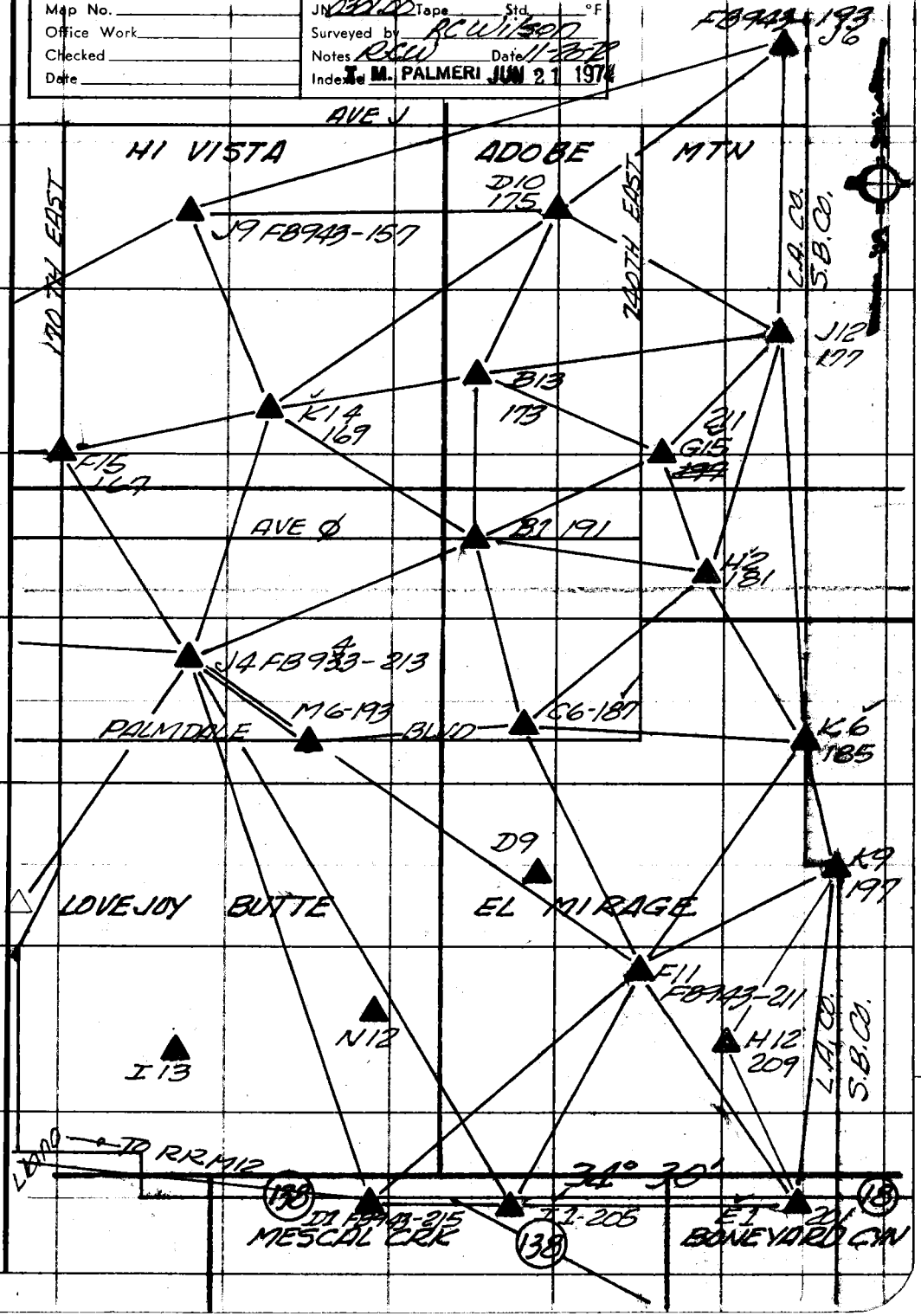


Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape Std. °F
Office Work	Surveyed by RC Wilson
Checked	Notes RCW Date 11-20-72
Date	Indexed T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 157



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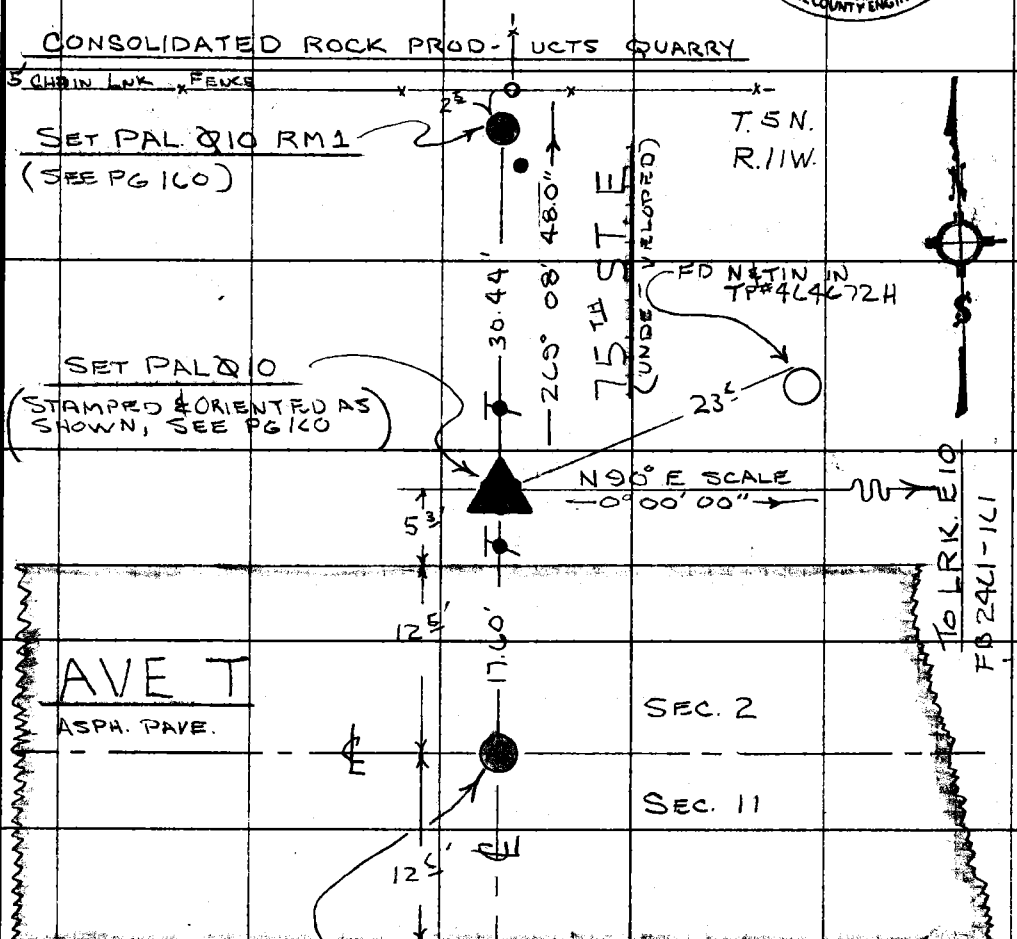
CE#310 3-69

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes C.A. PYLE Date 11/16/72
Date	Indexed T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 159

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
PALMDALE 010
1972
SET BY
RE 7078
FOR INFORMATION SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
PALMDALE Ø10



DIRECTIONS: FBG 1370-47

MEASUREMENTS – SEE NEXT PG.

● – 2" MARKER PIPE SET 1' OFF

COUNTY ENGINEER
T. 5 N.
R. 11 W.
2
11
1/4 COR.
R. E. 5869

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

CE#310 3-69

F. B. 2461 PG 160

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
PALMDALE 0 10

50 METER MC MEASUREMENTS 300' TAPE = 221

LEVEL @ 48°

9.281 M = 9.278 M = 30.44' 30.45' = 30.44'

5.364 M = 5.364 M = 17.60' 17.595' = 17.595'

AREA & ROUTE

THIS TRAVERSE STA. IS IN THE "ANTELOPE VALLEY" PORTION OF L.A. CO. IN THE VICINITY OF "FOUR POINTS". IT IS ON AVE T, 1.73 MILES EAST OF ITS INTER. WITH "PEARBLOSSOM HWY" & "FORT TEJON RD." IT IS 17' N. OF THE 1/4 COR. ON LINE BETWEEN SEC. 2 \ SEC. 11 T. 5N. R. 11W., WHICH IS THE ℄ OF AVE T. SEE U.S.G.S. 15' SHEET "LANCASTER CALIF." QUAD. 1958.

STATION MARK

A 4" L.A. CO. SUR. CONT. SY. BRASS TRAVERSE STATION DISC STAMPED " PALMDALE 010 1972 RE 7078 " SET IN AN 8" CONC. POST WHICH IS FLUSH WITH GRD. SET TANGENT TO PAL 0 10 RM. 1 & PAL 0 10 RM 2. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM. 1 : A 4" "L.A. CO SUR CONT. SY. BRASS REFERENCE MARK" DISC STAMPED " PALMDALE 0 10 RM 1 1972 RE 7078". SET IN AN 8" CONC. POST WHICH IS 2" ABOVE GRD. SET ON TANGENT PROD. FROM PAL 010 R.M. 2 THROUGH PAL 010

RM 2 : A 2½" BRASS COUNTY ENGINEER DISC STAMPED : 2/11 1/4 COR. T. 5N. R. 11W. RE 5849". SET IN A 6" CONC POST WHICH IS IN A MON. WELL 0.70' BELOW THE PAVED SURFACE. SET TANGENT TO PAL 0 10 & PAL 0 10 RM 1

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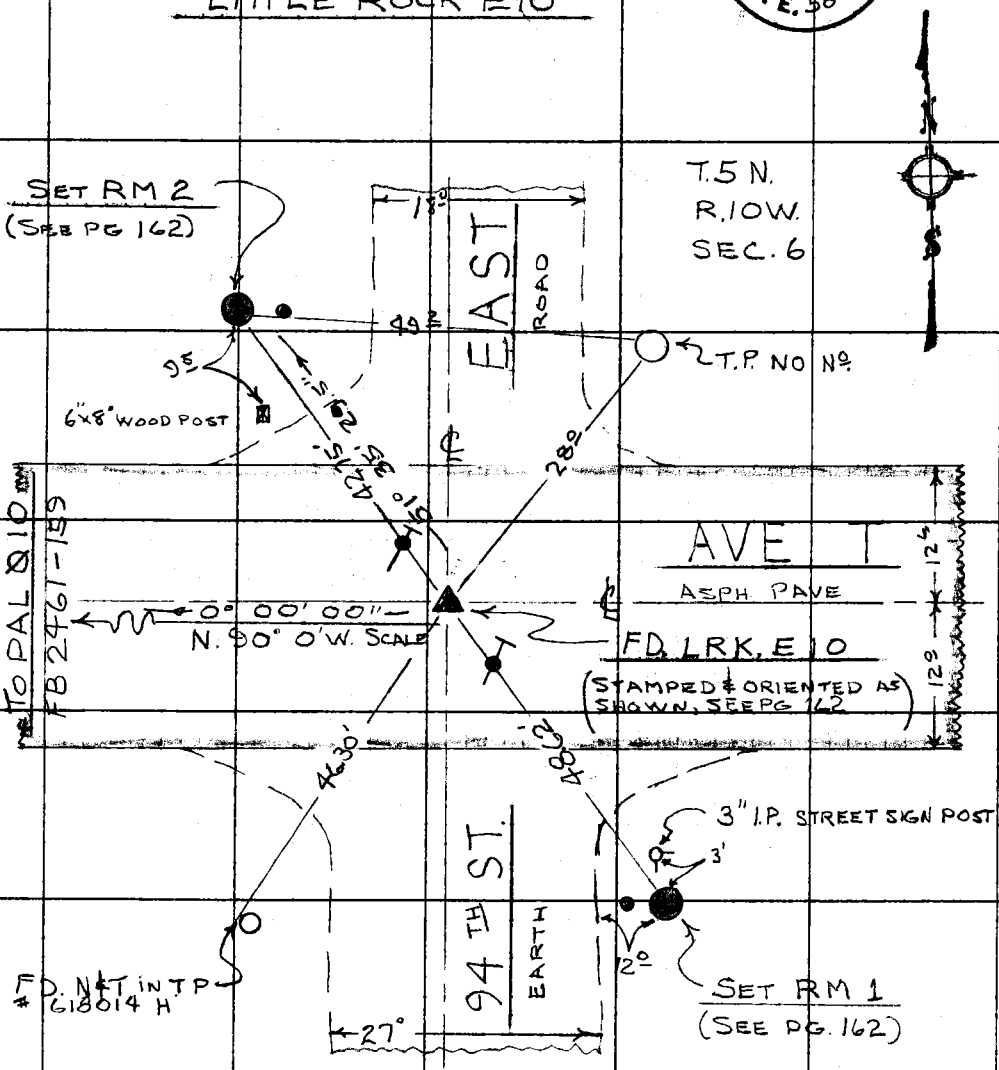
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes C. A. PYLE Date 11/30/72
Date	Index M. PALMERI JUN 21 1974

F. B. 2461 PG. 161

COUNTY ENGINEER
R. E. 5869

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE ROCK E 10



MEASUREMENTS: SEE PG. 162
DIRECTIONS: FB G 1370-49
● — 2" MARKER PIPE SET 2' OFF

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6F309S CE#310 3-69

F.B. 2461 PG. 162

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE ROCK E10

50 MTR MG — MEASUREMENTS — 300' TAPE 221

LEVEL @ 52'

13.033 M = 13.030 M = 42.75'
14.822 M = 14.819 M = 48.618

42.755' = 42.745'
48.63' = 48.62'
46.31' = 46.30'

AREA & ROUTE

THIS TRAVERSE STA. IS IN THE "ANTELOPE VALLEY" PORTION OF L.A. CO. IN THE VICINITY OF "LITTLE ROCK". IT IS THE INTER. OF 94TH ST. EAST. & AVE T. A CORNER ON LINE BETWEEN SEC 6 / SEC 7, T5N, R10W. SEE USGS 15' SHEET "ALPINE BUTTE CALIF." QUAD. 1943.

STATION MARK

A 2½" BRASS "COUNTY ENGINEER DISC" STAMPED "5869" SET IN A 6" CONC POST WHICH IS IN A MON. WELL 10" BELOW THE PAVED SURFACE. NO RECORD OF ANY SUB-SURFACE MARK HAVING BEEN SET.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "LITTLE ROCK E10 RM 1 1972 RE7078" SET IN A 8" CONC. POST WHICH IS 2' ABOVE GRD. SET TANGENT TO LRK E10 & LRK E10 RM2.

RM 2: IDENT. TO RM 1 EXCEPT STAMPED "RM 2" SET BY TAN. PROD FROM LRK E10 RM 1 THROUGH LRK E10.

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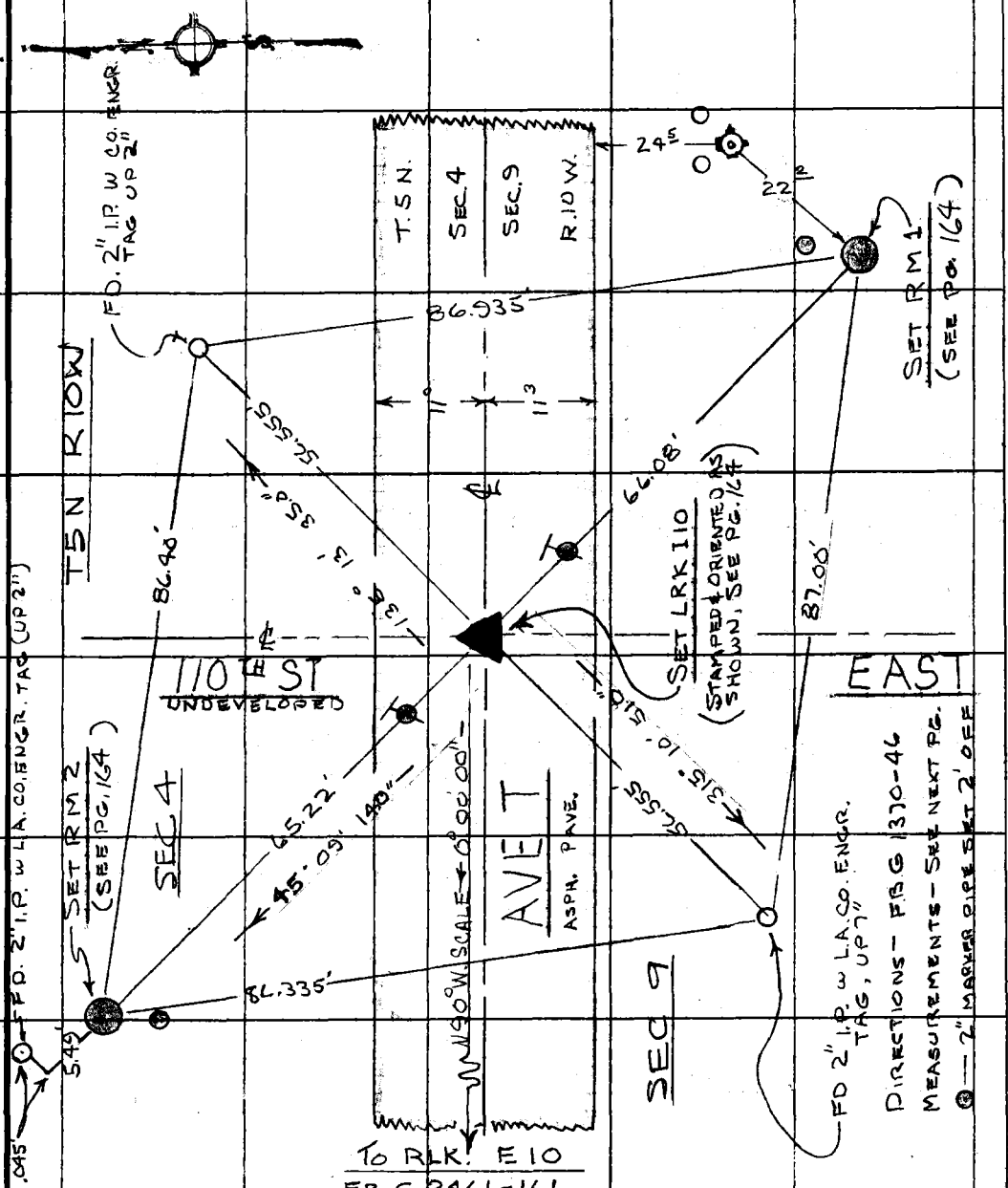
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C. APYLE Date 11/15/72
Date	Indexed T. M. PALMER JUN 21 1974

F. B. 2461 PG. 163

COUNTY SURVEYOR T. 5 N. R. 10 W. 4 9 RE 2177

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE ROCK I 10



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76F309S CE#310 3-69

F. B. 2461 PG. 164

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE ROCK I 10

50 MTR. MG. MEASUREMENTS 300' TAPE # 221

LEVEL @ 58°

19.883 M = 19.880 M = 65.22'
20.145 M = 20.142 M = 66.08'

65.23' = 65.22'
66.09' = 66.08'
86.345' = 86.335'
86.945' = 86.935'
56.565' = 56.555'

AREA & ROUTE

THIS TRAVERSE STA. IS IN L.A. CO. WITHIN THE "ANTELOPE VALLEY," IN THE VICINITY OF "PEARBLOSSOM." IT IS THE INTER. OF AVE. T & 110TH ST E. SEE USGS 15' SHEET "ALPINE BUTTE CALIF." QUAD. 1943.

STATION MARK

A 2½" BRASS "COUNTY SURVEYOR MON." DISC STAMPED: " 4 9 1/4 COR. T.5 N. R.10 W. R.E. 2177". SET IN A 6" CONC. POST WHICH IS IN A MON. WELL 8" BELOW THE PAVED SURFACE. NO RECORD OF SUB-SURFACE MARK BEING SET. MON. WELL COVER IS FLUSH WITH PAVED SURFACE

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED "LITTLE ROCK I 10 RM 1 1972 RE 7078". SET IN A 8" CONC. POST WHICH IS 1" ABOVE GRD. SET TANGENT TO LRK. I10 & LRK I10 R.M. 2

RM2: IDENT. TO RM1 EXCEPT STAMPED "RM 2". SET TANGENT TO LRK I 10 & LRK I 10 RM. 1

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Office Work
Checked
Date

Survey of GEODETIC CONTROL
JN 0331.00 Tape Std °F
Surveyed by RCW
Notes ROW Date 11-16-72
Indexed M. PALMER JUN 21 1974

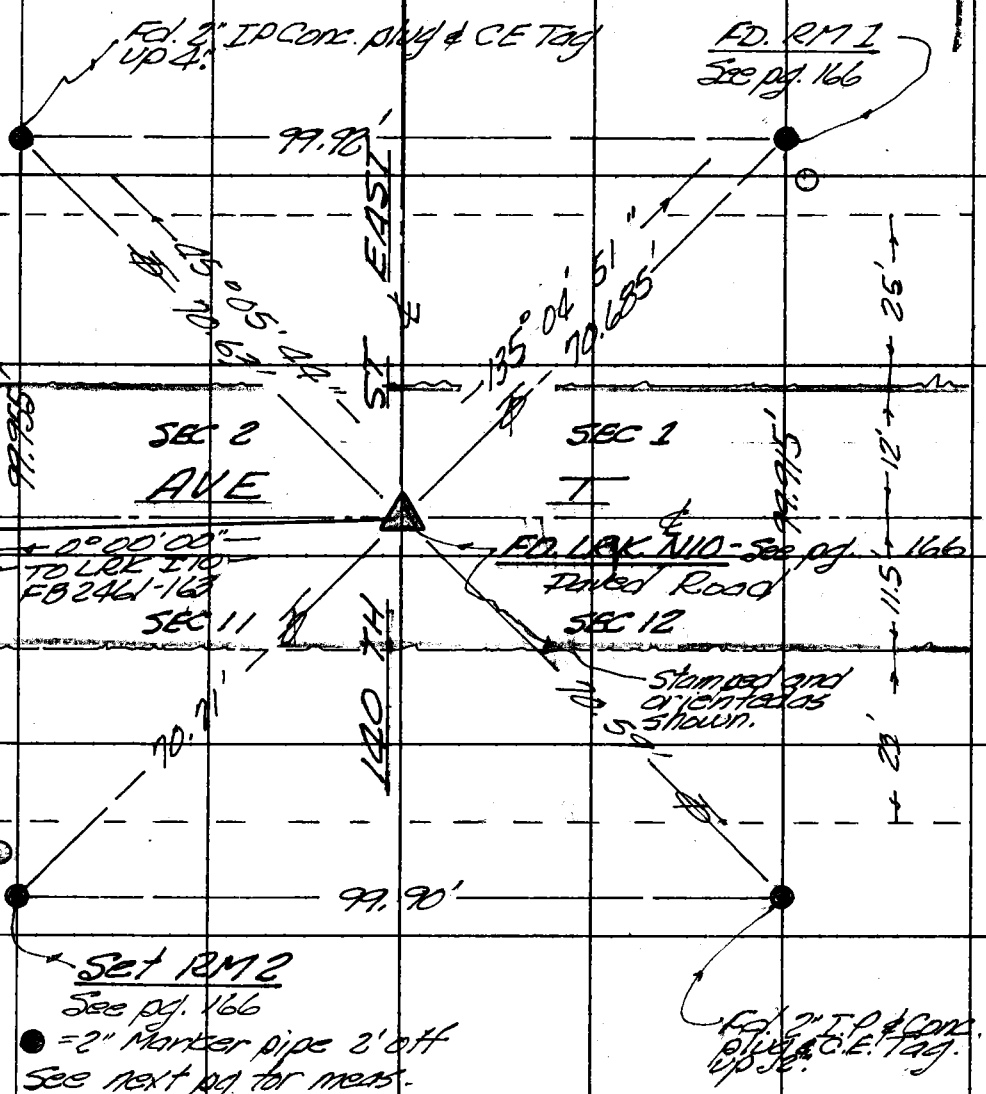
F. B. 2461 PG. 165

COUNTY SURVEYOR'S T5N R10W 11 12 MONUMENT

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE ROCK N 10

T5N R10W



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

16F309S CE#310 3-69

F. B. 2641 PG. 166

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LITTLE ROCK N10

300' # 221 Measurements 50 mtr M6

Level @ 58° Temp.

70.695' = 70.685' 21.548m = 21.545m = 70.685'
70.72' = 70.71' 21.554m = 21.551m = 70.705'
70.64' = 70.63' 99.92' = 99.90' 99.94' = 99.92'
70.60' = 70.59' 99.935' = 99.915' 99.975' = 99.955'

AREA: This traverse sta. is located in the N. portion of L.A. County, in the ely portion of Antelope Valley, in the vicinity of Pearblossom, and is the intersection of AVE T & 140TH ST EAST.

STATION MARK:
A 2½" "COUNTY SURVEYORS" brass disc stamped "T5N R10W 2 11 12" dn. 1.1' & protected by a cast iron cover. No sub-surface mark set.

REFERENCE MARKS:
RM 1: A 2" IRON pipe, conc. plug & C.E. tag up 4".

RM 2: A 4" L.A. Co. Sur. Cont. Sys. brass ref. mark disc stamped "LITTLE ROCK N10 RM2 1972 RE 7078" up 4", ~~and~~ set in a 8" conc. post, and tangent to RM 1.

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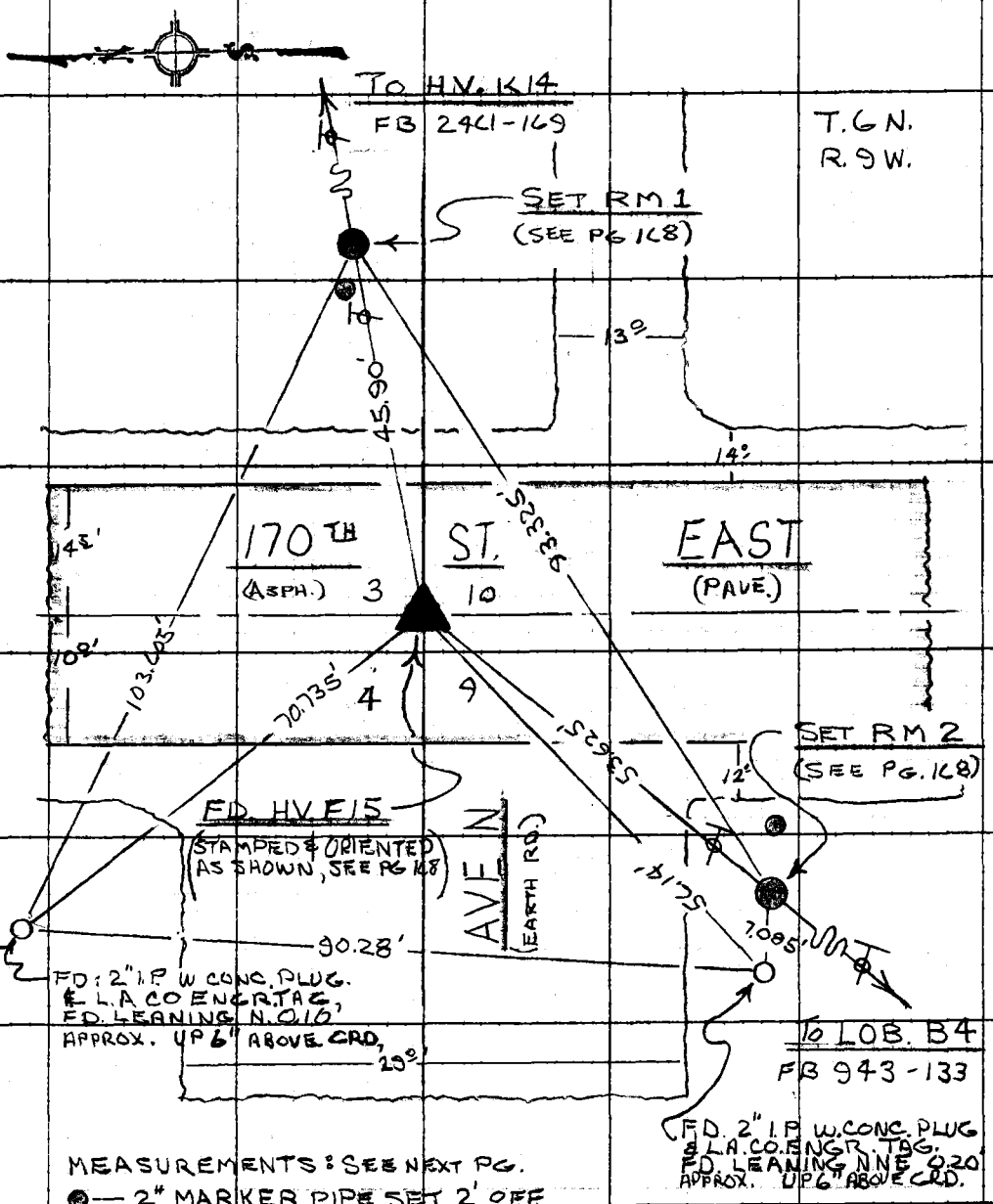
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C. APYLE Date 12/13/1974
Date	Indexed T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 167

COUNTY SURVEYOR'S MONUMENT T6N R9W 4 3 9 10

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HI VISTA F15



MEASUREMENTS: SEE NEXT PG.

● — 2" MARKER PIPE SET 2' OFF

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 2421 Pg 168

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

HIVISTA F15

50 MTR* M3 MEASUREMENTS 300' TAPE* 139

LEV @ 44°

13.993M = 13.990M = 45.90'	45.905' = 45.895'
16.348M = 16.345M = 53.625'	53.635' = 53.625'
28.454M = 28.448M = 93.33'	93.345' = 93.325'
T - 62°	
52.15' = 52.14'	103.615' = 103.605'
90.29' = 90.28'	70.745' = 70.735'

AREA & ROUTE

THIS TRAVERSE STA. IS IN THE EASTERN "ANTELOPE VALLEY" PORTION OF L.A. CO. IN THE VICINITY OF "WILSONA SCHOOL". IT IS A COR. OF SEC. 4, 3 9, 10, T6N, R9W. WHICH IS THE INTER. OF 170TH ST. E & AVE. N. SEE USGS. 15' SHEET "ALPINE BUTTE CALIF." QUAD. 1945.

STATION MARK

A 2½" COUNTY SURVEYOR'S MONUMENT" BRASS DISC STAMPED " 4 3 T6N R9W " SET IN A 6" CONC. POST WHICH IS IN A 9 10 MON. WELL 20" BELOW THE CAST IRON COVER THAT IS FLUSH WITH PAVED SURFACE. NO RECORD OF ANY SUB-SURFACE MARK HAVING BEEN SET.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SURVEY CONTROL SYSTEM BRASS REFERENCE MARK DISC STAMPED "HIVISTA F15 RM1 1972 RE 7078". SET IN AN 8" CONC. POST, FLUSH WITH GRD. IT IS SET ON TAN. BETWEEN HIVISTA F15 & HIVISTA K14

RM 2: IDENTICAL TO RM 1 EXCEPT STAMPED "RM 2" SET ON TAN. BETWEEN HIVISTA F15 & LOVEJOY BUTTE B4

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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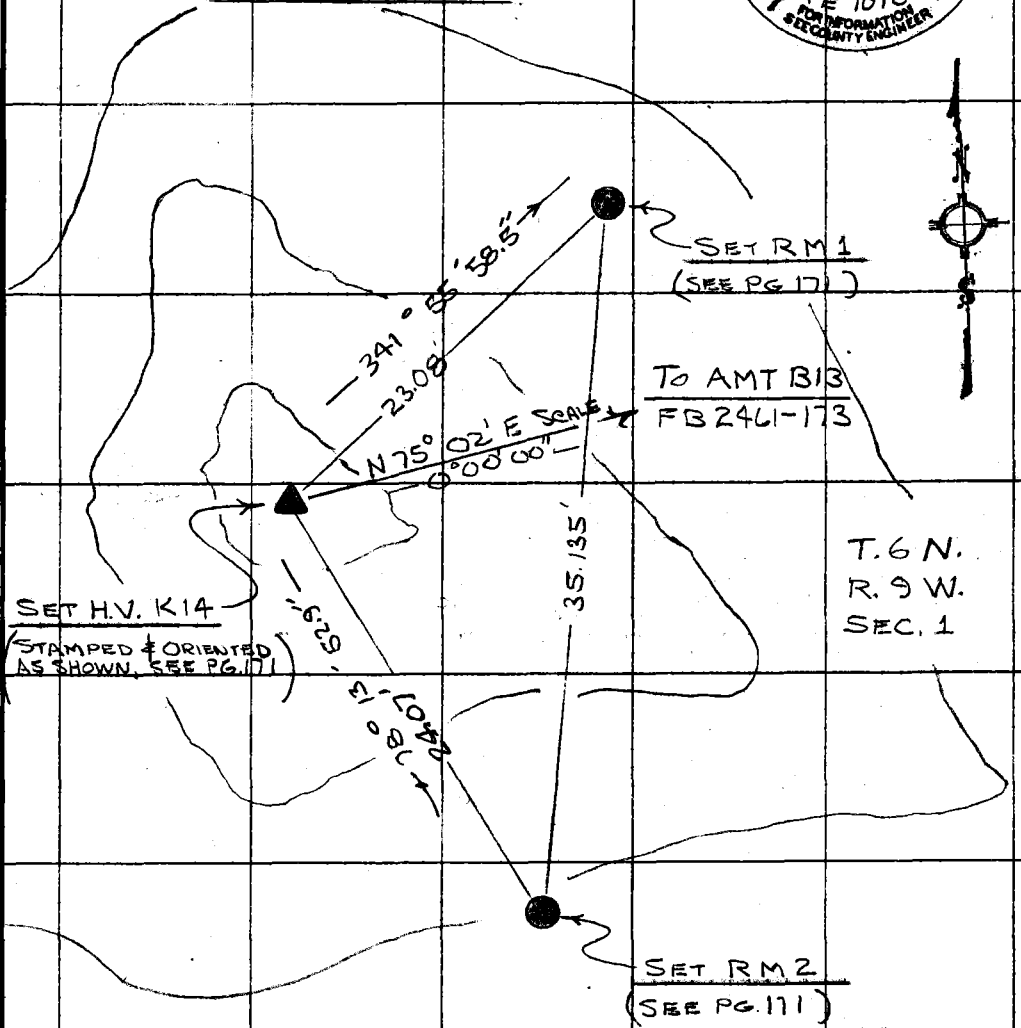
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes CAPYLE Date 12/7/72
Date	Indexed M. PALMERI JUN 21 1974

F. B. 2461 Pg. 169

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HI VISTA K14

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HI VISTA K14
1972
SET BY RE 7018
FOR INFORMATION SEE COUNTY ENGINEER



DIRECTIONS : F.B.G 1880-22
MEASUREMENTS : SEE NEXT PG.

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16F309S CE#310 3-69

F. B. 2461 PG 170

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
HI VISTA K14

50 MTR* MB MEASUREMENTS 300' TAPE* 139

LEV. @ 48°

7.039 M = 7.036 M = 23.085'	23.09' = 23.08'
7.338 M = 7.335 M = 24.065'	24.08' = 24.07'
10.712 M = 10.709 M = 35.134'	35.15' = 35.14'

AREA

THIS TRAVERSE STATION IS IN THE EASTERN ANTELOPE VALLEY PORTION OF L. A. CO., IN THE VICINITY OF "WILSONA SCHOOL". SET ON A SMALL BUTTE MARKED WITH A MINE SYMBOL AT ELEV. 2735'. IT IS 2854'± S. & 2100'± E. OF THE N.W. COR OF SEC. 1, T. 6N./T. 7N., R. 9W., SEE U.S.G.S 15' SHEET "ALPINE BUTTE CALIF." QUAD. 1943.

ROUTE.

FROM ITS INTER. WITH AVE "O" TRAVEL N. ON 195TH ST. E. 1.0 MILE TO AVE N CONTINUE N.W.LY ON TRAVELED TRACKS 0.60 MILE TO THE BASE OF A BUTTE PROCEED UPGRADE 0.15 MILE TO THE SUMMIT AND THE STATION SITE.

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2461 Pg. 171
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by R C WILSON	
Checked	Notes C.A. PYLE Date 12/7/72	
Date	Indexed L. M. PALMER JUN 21 1974	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
H1 VISTA K14

STATION MARK

A 4" L.A. CO. SUR. CONT. SYSTEM BRASS TRAVERSE STATION DISC STAMPED "HIVISTA K14 1972 RE 7078". SET IN AN 8" CONC. POST WHICH IS 3" ABOVE GRD.

SUB SURFACE MARK

NONE SET.

REFERENCE MARKS : RM 1

A 4" L.A. CO. SUR. CONT. SYSTEM BRASS REFERENCE MARK DISC STAMPED "HIVISTA K14 RM1 1972 RE 7078" SET IN AN 8" CONC POST WHICH IS IN A ROCK MOUND 3" ABOVE GRD.

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

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16F309S CE#310 3-69

F. B. 2461 PG. 172

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

HI VISTA K14

PLEASE RETURN TO
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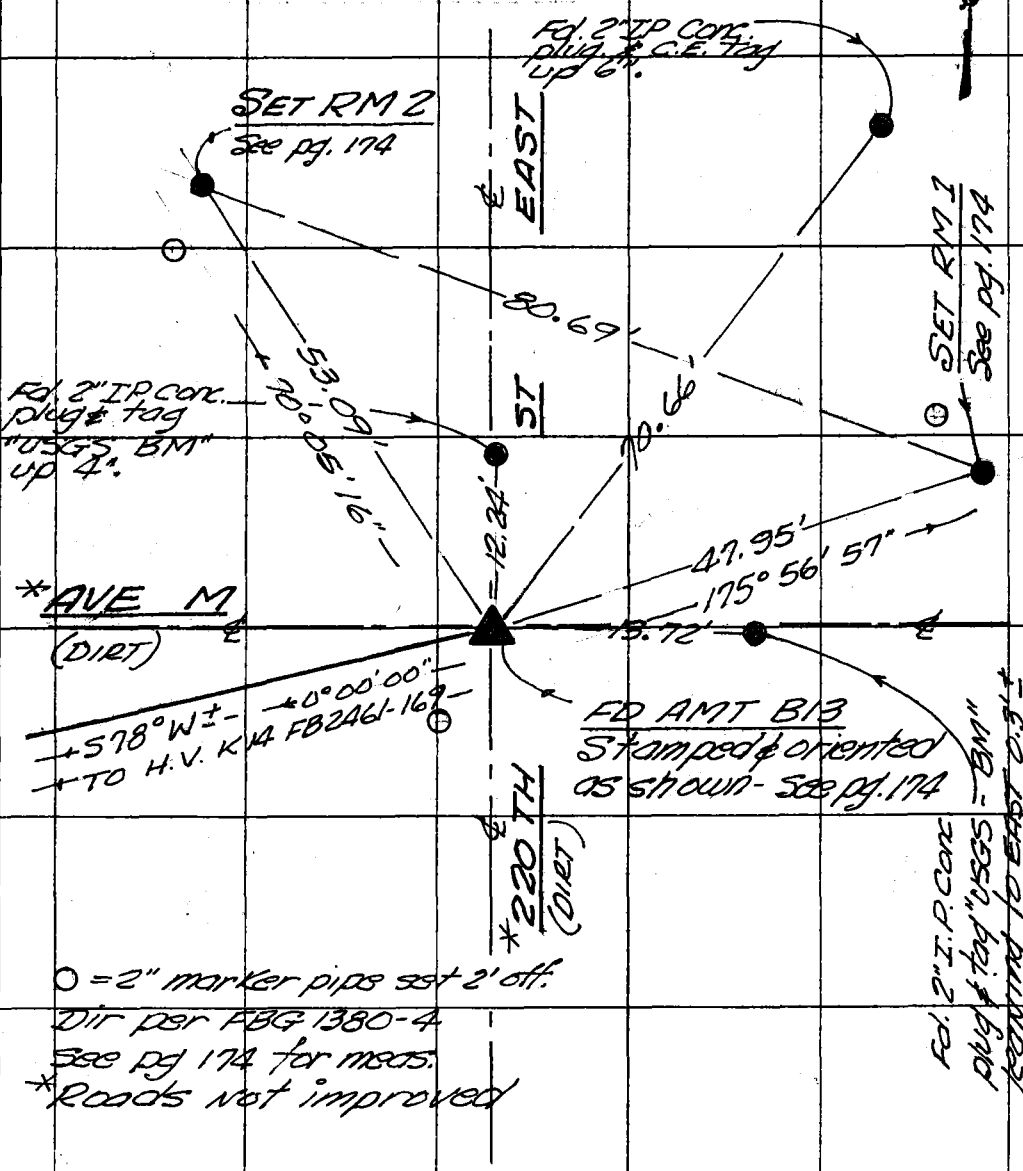
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 12-14-72
Date	Index L. M. PALMERI JUN 21 1974

F. B. 2461 PG. 173

COUNTY SURVEYOR'S MONUMENT T7N R8W 32 33 5 4 T6N

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN B13



O = 2" marker pipe set 2' off.
Dir per FBG 1380-4
See pg 174 for meas.
*Roads not improved

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76F309S CE#310 3-69

F. B. 2461 PG 174

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN B-13

300' #139	Level @ 42°	MEASUREMENTS SOMTR M3
47.96'	= 47.95'	14.618m = 14.615m = 47.95'
53.10'	= 53.09'	16.189m = 16.184m = 53.10'
80.71'	= 80.69'	24.601m = 24.595m = 80.69'

AREA: This trav. sta. is located in the NE portion of L.A. Co. 4.0 miles W. of the L.A.-S.B. Co. line & may be reached by traveling N (T.I.) from its intersection with Ave O on 220 T/ St. East 2.0 miles, & is the inter. of 220 E & AVE M.

STATION MARK: A 2½" "COUNTY SURVEYORS MONUMENT" brass disc stamped "T.7N. T.6N. R.8W. 32 33 5 4" on ¼" ø set in a 6" conc. post. No ½ surface mark.

REFERENCE MARKS:

RM 1: A 4" L.A.Co. Sur. Cont. sys. brass ref. mark disc stamped "ADOBE MTN B 13 RM 1 1972. RE ~~5826~~ 7018" up 2" ø set in a 8" conc. post.

RM 2: Same as RM 1, except stamped "RM 2".

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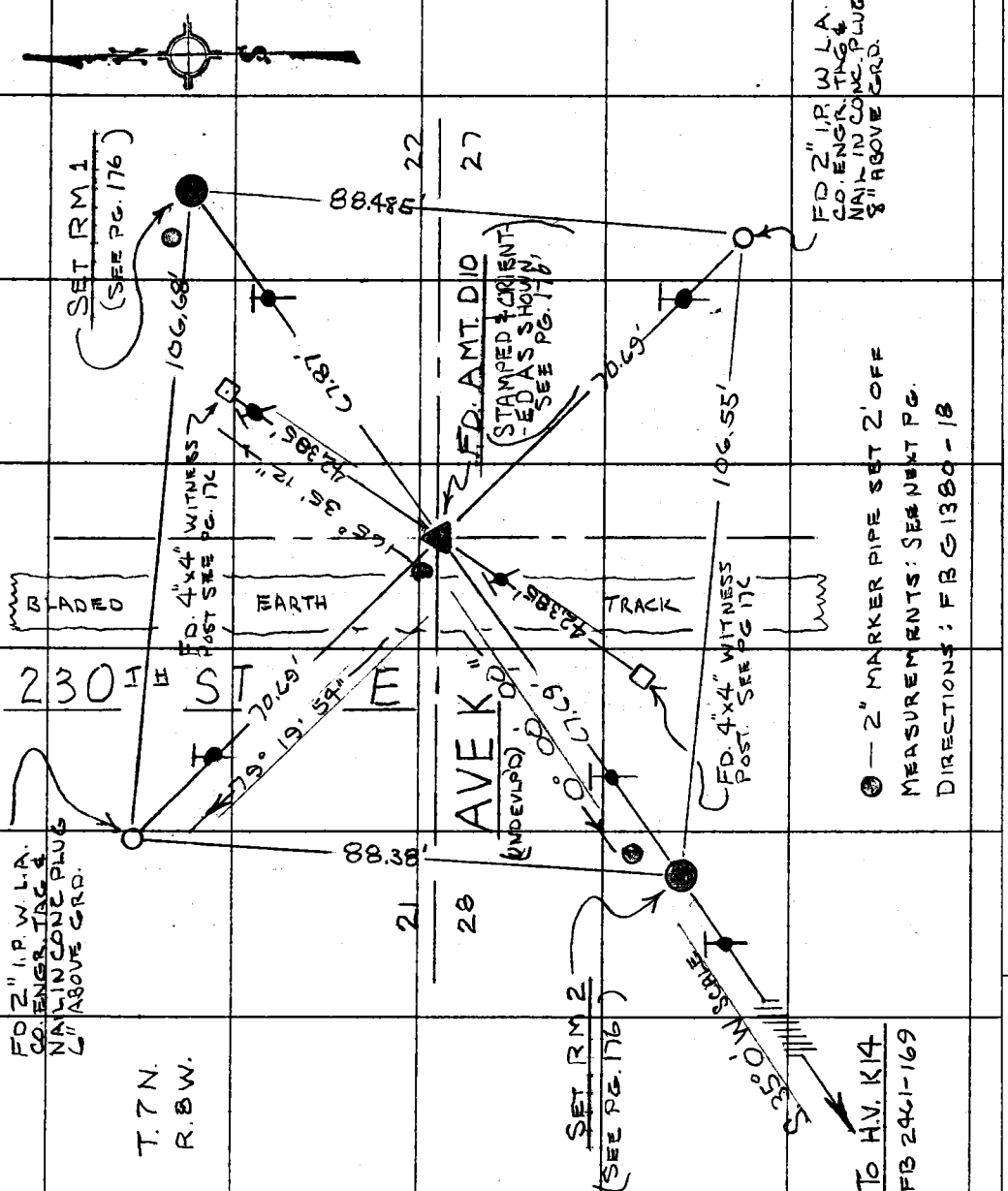
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 1/8/73
Date	Indexed L. M. PALMER JUN 21 1974

F. B. 2461 PG. 175

COUNTY SURVEYOR'S MONUMENT T.7N. R.8W. 21 22 28 27

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN D10



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76F309S CE#310 3-69

F. B. 2461 PG 176

L. A. COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION

ADOBE MTN D10

50 MTR # M3 MEASUREMENTS 300' TAPE # 139

LEVEL @ 45°

20.692 M = 20.686 M =	67.867'		67.89' = 67.87'
20.637 M = 20.631 M =	67.69'		67.71' = 67.69'
42.395' = 42.385'	42.395' = 42.385'		106.71' = 106.68'
88.505' = 88.485'			106.58' = 106.55'
88.40' = 88.38'	70.71' = 70.69'		70.71' = 70.69

AREA & ROUTE: THIS TRAVERSE STA. IS IN THE "MOJAVE DESERT" PORTION OF N. E. L.A. CO. IN THE VICINITY OF "WALTON PLACE." IT IS A COR. OF SEC. 21, 22, 27, 28, T. 7 N., R 8 W. WHICH IS THE INTER OF 230TH ST. E. & AVE K. SEE U.S.G.S. 15' SHEET "SHADOW MTN S. CALIF." QUAD. 1942.

STATION MARK: A 2½" COUNTY SURVEYOR'S MONUMENT BRASS DISC STAMPED "21 22 / 28 27 T. 7 N. R. 8 W.", SET IN A 6" CONC. POST WHICH IS 080' BE- LOW GRD. NO RECORD OF ANY SUB-SURFACE MARK HAVING BEEN SET.

REFERENCE MARKS:

RM 1: A 4" L.A. CO. SUR. CONT. SY. BRASS REFERENCE MARK DISC STAMPED: "ADOBE MTN D10 RM 1 1973 RE 7078". SET IN AN 8" CONC. POST WHICH IS 8" ABOVE GRD. SET BY TAN. PROD. FROM H.V. K14 THROUGH A.M.T. D10 RM 2 & A.M.T. D10

RM 2: IDENTICAL TO "RM 1" EXCEPT STAMPED: "RM 2". SET ON TAN. BETWEEN A.M.T. D10 & H.V. K14, ALSO TAN. TO A.M.T. D10 RM 1

WITNESS POSTS: 2-4"x4" WOODEN POSTS INSCRIBED: "COUNTY SURVEYOR'S WITNESS CORNER". WITH A NAIL SET IN THE TOP. SET TAN. TO EACH OTHER AND ARE 8" ABOVE GRD.

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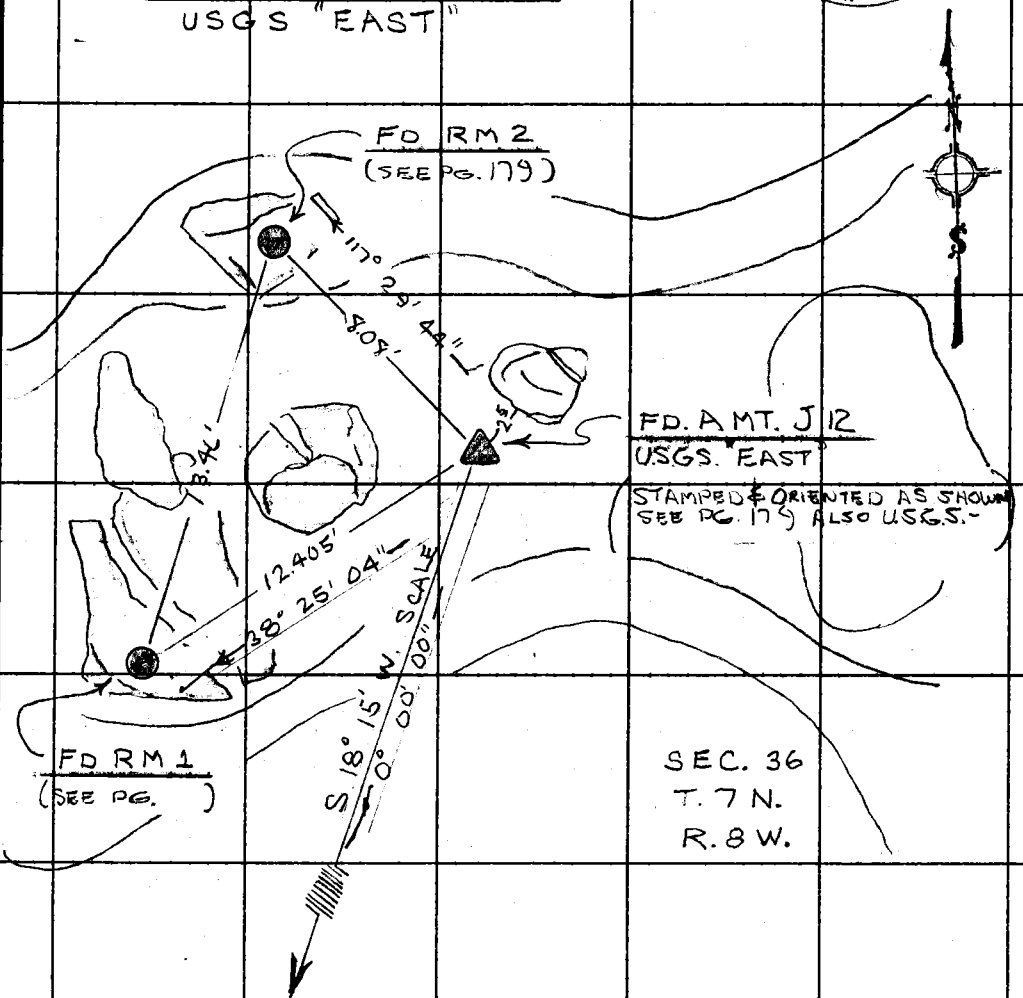
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 12/19/73
Date	Indexed J. M. PALMERI JUN 24 1974

F. B. 2461 PG. 177

U.S. GEOLOGICAL SURVEY OPERATION WITH COUNTY IN LOS ANGELES ELEVATION ABOVE SEA LEVEL IN FEET 1929 DATUM 250 DOLLARS FINE FOR DISTURBING THIS MARK

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ADOBE MOUNTAIN J 12
USGS "EAST"



To EMI. H2
FB 2401-181

DIRECTIONS : FB G 1380-9
MEASUREMENT : SEE NEXT PG.

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

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 2461 PG. 178 L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

ADOBE MOUNTAIN J 12

50 MTR* MEASUREMENTS 300' TAPE#

LEV @ T 60°

2.463 M = 2.463 M = 8.08'	8.08' = 8.08'
3.782 M = 3.782 M = 12.408'	12.405' = 12.405'
4.102 M = 4.102 M = 13.458'	13.46' = 13.46'

AREA

THIS TRIANG STA. IS IN THE "MOJAVE DESERT" PORTION OF EASTERNMOST L.A. CO. IN THE VICINITY OF "MIRAGE LAKE." IT IS 2900'± N. & 800'± W. OF U.S.G.S. "TOWNSHIP" WHICH IS THE COR OF SEC'S 36, 31, T. 7N. \ T. 6N., R8W \ R7W. AND IS ON LINE BETWEEN L.A. \ S.B. COUNTIES. SEE U.S.G.S. 15' SHEET "SHADOW MTNS. QUAD. 1942.

ROUTE

FROM ITS INTER WITH AVE. P TRAVEL N. ON 260TH ST. E. (L.A. \ S.B. CO LINE) 2.3 MILES TO A SWEEPING TURN TO THE RT. (E.) LEAVE GRADED EARTH RD. AND CONTINUE N. ON TRAVELED TRACKS 0.50 MILE TO A "Y", BEAR LEFT (N.WLY) AND WIND THROUGH AN AREA WITH MANY HOMESTEAD CABINS. AFTER 0.20 MILE PASS TURNOFF TO USGS "TOWNSHIP", 0.10 MILE FURTHER EXIT HOMESTEAD AREA, PASS OVER FLAT SPUR AND SKIRT (NLY.) ALONG BOTTOM OF A N.S. DIRECTION BUTTE FOR 0.40 MILE. TURN RT. (WLY) & BEGIN TO ASCEND BUTTE 0.20 MILE TO A BARE ROUNDED SUMMIT. MAKE A SHARP TURN ELY. AND DESCEND A FLAT SPUR 200' TO A ROCKY OUT-CROPPING AREA AND THE STATION SITE.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 12/19/72
Date	Indexed L. M. PALMERI JUN 21 1974

F. B. 2401 PG. 179

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ADOBE MOUNTAIN J 12

STATION MARK

A 4" U.S. GEOLOGICAL SURVEY IN COOPERATION WITH L.A. COUNTY BRASS DISC. STAMPED "EAST RS 1929". CEMENTED FLUSH IN A NATIVE ROCK OUTCROPPING. IT IS 2.5' FROM THE S. FACE OF A BLDR 3' IN DIA. & 2.5' HIGH.

SUB-SURFACE MARK

NONE SET

REFERENCE MARKS

RM 1 : A 4" U.S.G.S. BRASS REFERENCE MARK DISC STAMPED: "EAST 1 1955" CEMENTED FLUSH IN THE TOP OF A 2'x5' GRANITE BLDR.

RM 2 : IDENTICAL TO "1" EXCEPT STAMPED "2". SET IN A 2'x3'x3' TRIANG SHAPED GRANITE BLDR.

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76F309S CE#310 3-69

F. B. 2461 PG. 180

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
ADOBE MOUNTAIN J12

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes C. A. PYLE Date 12/6/72
Date	Indexed L. M. PALMER JUN 21 1974

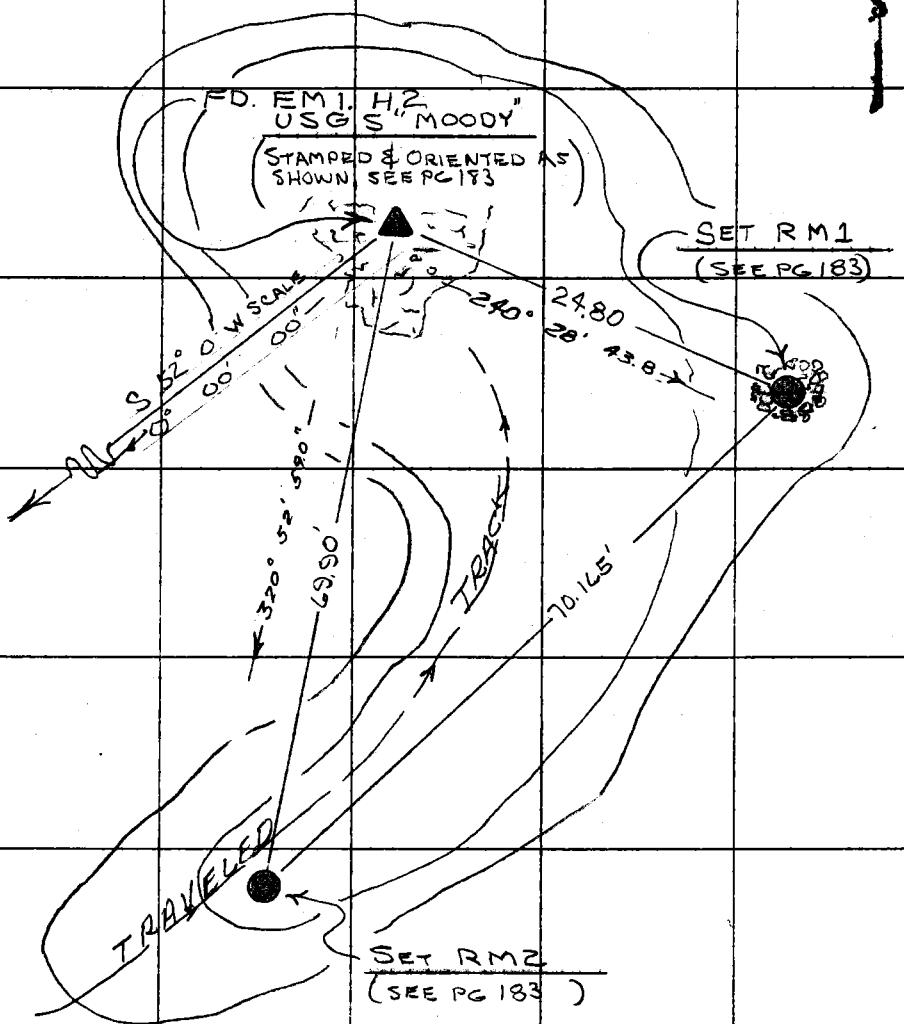
F. B. 2461 PG. 181

A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE H2
(U.S.G.S. "MOODY")

SEC. 14
T. 6 N.
R. 8 W.

DIRECTIONS: FB 1380-15

MEASUREMENTS: SEE NEXT PG.



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16F309s CE#310 3-69

F. B. 2461 PG. 182 L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE HZ

50 MTR * M3 MEASUREMENTS 300' TAPE * 139

Lev. @ 50'

7.562 M =	7.559 M =	24.80'	24.81' = 24.80'
21.313 M =	21.307 M =	69.90'	69.92' = 69.90'
21.393 M =	21.387 M =	70.165'	70.185' = 70.165'

AREA.

THIS TRIANG. STA. IS IN THE EASTERN "ANTELOPE VALLEY" PORTION OF L. A. CO., IN THE VICINITY OF "MOODY SPRINGS." IT IS 2250' N & 1250' W OF THE S.E. COR. OF SEC 14, T6N., R8W. SEE U.S.G.S 15' SHEET "SHADOW MOUNTAINS CALIF." QUAD. 1942

ROUTE.

FROM ITS INTER. WITH 240TH ST E. TRAVEL EAST ON AVE. P" 0.75 MILE TO A TRAVELED TRACK ON THE LEFT (N). FOLLOW THIS NLY. 0.20 MILE TO THE BASE OF A SADDLE, CONTINUE UPGRADE 0.05 MILE TO THE TOP OF THE SADDLE, CONTINUE ON T.T. NLY. 0.20 MILE AROUND THE BASE OF RIDGE TO A SADDLE, TURN RT. (ELY.) ON T.T. 0.05 MILE TO A DRAW AT THE BASE OF A SHARP STEEP SPUR, PROCEED SLY. THEN ELY. UP A STEEP RIDGE 0.15 MILE TO THE TOP AND THE STATION SITE.

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Map No.	JN 2301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 12/6/72
Date	Index M. PALMERI JUN 21 1974

F. B. 2401 PG. 183

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE H2

STATION MARK

A 4" USGS IN COOPERATION WITH LOS ANGELES COUNTY BRASS DISC STAMPED: "MOODY RS 1929" CEMENTED FLUSH IN A 3'x4' NATIVE ROCK OUTCROPPING.

SUB-SURFACE MARK

NONE WAS SET

REFERENCE MARKS

RM 1 : A 4" L.A. CO. SUR. CONT. SYSTEM BRASS REFERENCE MARK DISC STAMPED "ELMIRAGE H2 RM1 1972 RE 7078" SET IN AN 8" CONC. POST WHICH IS 4" ABOVE A SURROUNDING ROCK MOUND.

RM 2: IDENTICAL TO RM 1, EXCEPT STAMPED "RM 2". SET FLUSH WITH GRD. NO ROCK MOUND.

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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10F309S CE#310 3-69

F. B. 2461 PG 184

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

EL MIRAGE HZ

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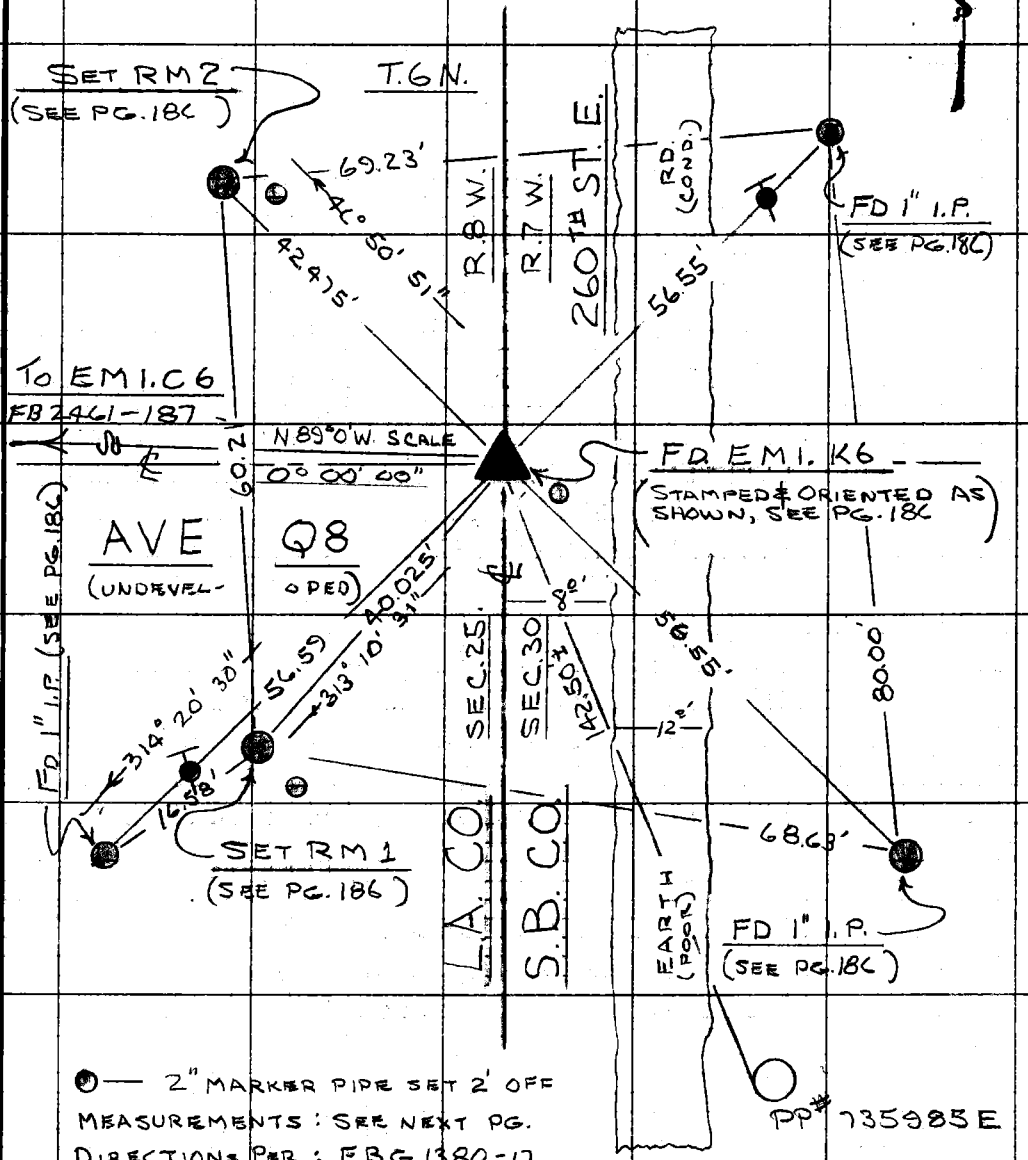
Map No.	JN0301.00 Tape Std. °F
Office Work	Surveyed by R C WILSON
Checked	Notes C. A. PYLE Date 12/6/72
Date	Indexed L. M. PALMERI JUN 21 1974

F. B. 2461 PG. 185

COUNTY SURVEYORS T. 6 N. 4 SEC. CORR. 25+30 B.M. 1-22 MONUMENT

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE K6



● — 2" MARKER PIPE SET 2' OFF

MEASUREMENTS: SEE NEXT PG.

DIRECTIONS PER: FBG 1380-17

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

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76F309S CE#310 3-69

F. B. 2461 PG. 186

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE 1K6

50 MTR # 193 MEASUREMENTS 300' TAPE # 139

Lev. @ 54°

18.355 M =	18.352 M = 60.21'	60.22' =	60.21'
12.950 M =	12.947 M = 42.48'	42.48' =	42.47
12.202 M =	12.199 M = 40.02'	40.035' =	40.025'
	16.58' = 16.58'	56.56' =	56.55'
69.25' @ 42° =	69.23' 56.60' = 56.59'	56.56' =	56.55'
	80.02' @ 42° = 80.00	68.65' @ 42° =	68.63'

AREA & ROUTE

THIS TRAVERSE STA. IS UPON THE L.A. \ SAN BER. CO. BDRY. LINE, IN THE EASTERN PORTION OF THE "ANTELOPE VALLEY", IN THE VICINITY OF "BLACK MTN." IT IS THE INTER. OF 260TH ST. E. & AVE Q8. WHICH IS THE 1/4 COR. ON LINE BETWEEN SEC 25 \ SEC 30 T. 6N., R. 8W. \ R. 7 W. SEE U.S.G.S 15' SHEET "SHADOW MTNS CALIF." QUAD. 1942

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENT BRASS DISC STAMPED: "L.A. COUNTY S.B. COUNTY 25 + 30 1/4 SEC. COR. R.7W. R.8W. T.6N. B.M. 1.22." SET IN A 6" CONC POST WHICH IS 4" ABOVE GRD.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR. CONT. SYSTEM BRASS REFERENCE MARK DISC STAMPED "EL MIRAGE 1K6 RM 1 1972 RE 7078" SET IN AN 8" CONC POST WHICH IS FLUSH WITH GRD.

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

OTHER MARKS: THREE S.B. CO. BRASS R.P. TAGS STAMPED "S.B. CO. R.P. SURV.", SET IN 1" IRON PIPES WITH A BRASS NAIL IN A CONC PLUG. ALL PIPES ARE 2" ABOVE GRD.

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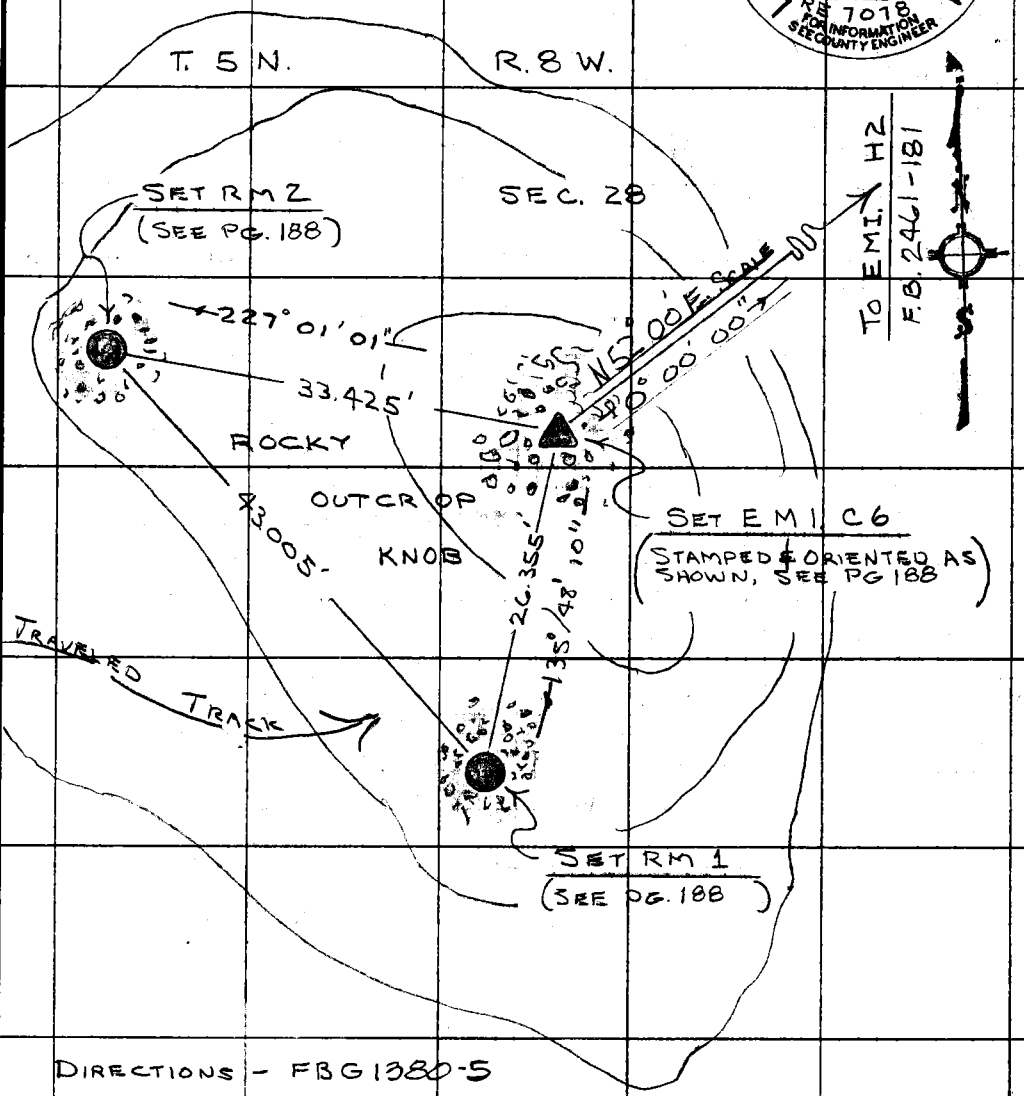
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.0 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 12/4/72
Date	Indexed L. M. PALMER JUN 21 1974

F. B. 2461 PG. 187

L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE C6
1972
SET BY
RE 7078
FOR INFORMATION
SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE C6



DIRECTIONS - FB G1380-5
MEASUREMENTS - SEE NEXT PG.

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10F309s CE#310 3-69

F. B. 241 Pg. 188

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE C6

50 MTR. MG MEASUREMENTS 300' TAPE #139

10.191 M =	10.188 M = 33.425'	LEV. @ 45°	33.43' = 33.42'
8.036 M =	8.033 M = 26.355		26.365' = 26.355'
13.113 M =	13.110 M = 43.012		43.015' = 43.005'

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AREA & ROUTE

THIS TRAVERSE STATION IS IN THE "ANTELOPE VALLEY" PORTION OF L.A. CO. IN THE VICINITY OF THE "VANDERBURG RANCH." IT IS 2250' ± S & 1750' ± E. OF THE N.W. COR. OF SEC. 28, T. 5N., R. 8W. SEE U.S.G.S. 15' SHEET "SHADOW HILLS CALIF" QUAD. 1942

FROM ITS INTER. WITH 215TH ST. E. TRAVEL ELY. ON AVE. Q8 (PALMDALE BLVD.) 0.75 MILE TO TRAVELED TRACKS ON THE LEFT (N) FOLLOW THESE 0.10 MILE NLY. ASCENDING TO A SADDLE, TURN RT. ELY AND ASCEND A SIDEHILL 0.10 MILE TO STATION SITE.

STATION MARK

A 4" L.A. CO. SUR. CONT. SYSTEM BRASS TRAVERSE STATION DISC STAMPED "EL MIRAGE C6 1972 RE 7078" SET IN AN 8" CONC. POST WHICH IS FLUSH WITH GRD. NO SUB-SURFACE MARK WAS SET.

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR. CONT. SYSTEM. BRASS REFERENCE MARK DISC STAMPED "EL MIRAGE C6 RM 1 1972 RE 7078" SET IN AN 8" CONC. POST WHICH IS 5" ABOVE GRD.

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 12/14/72
Date	Indexed T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 189

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

EL MIRAGE C6

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16F309S CE#310 3-69

F. B. 2461 PG. 190 L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

EL MIRAGE C6

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Map No.	JN 030100 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C.A. PYLE Date 12-4-72
Date	Indexed M. PALMER JUN 21 1974

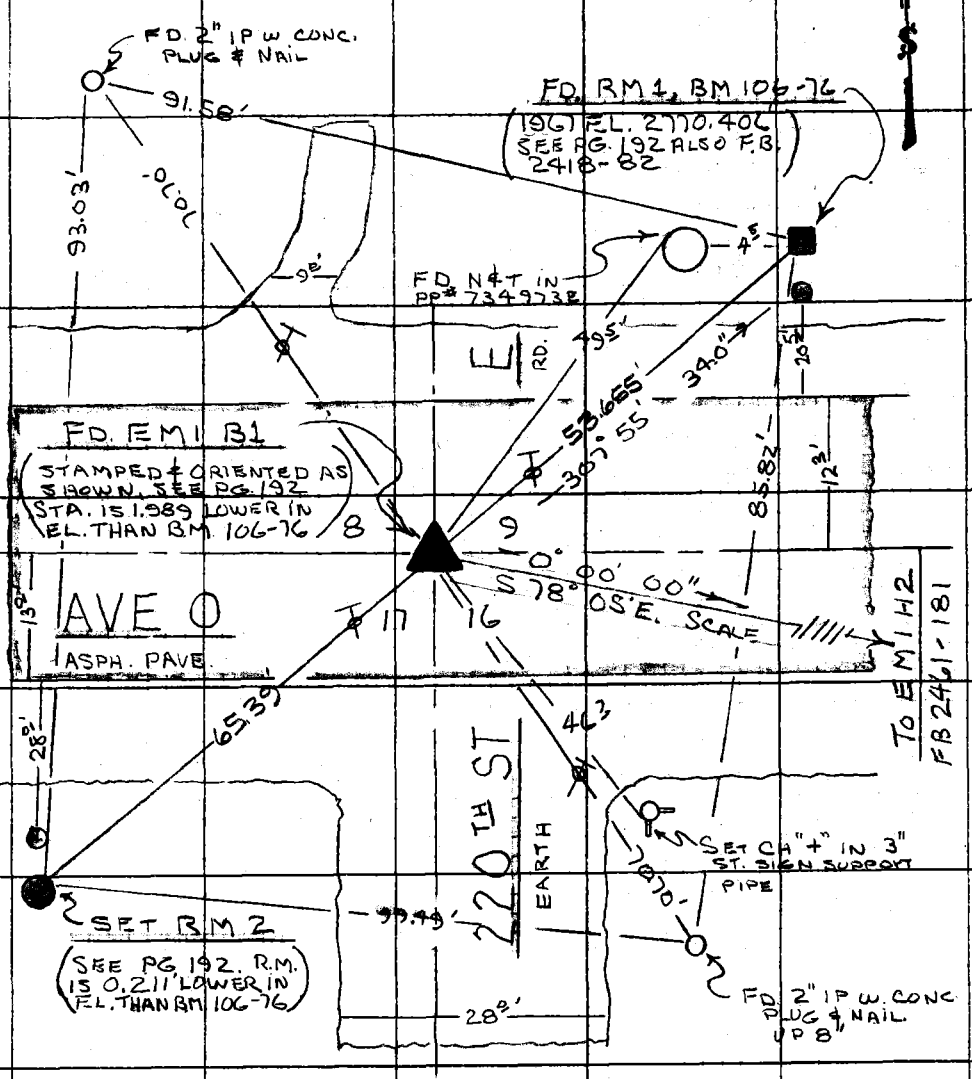
F. B. 2461 PG. 191

COUNTY SURVEYOR'S MONUMENTS

L. A. COUNTY SURVEY CONTROL SYSTEM

TRAVERSE STATION

EL MIRAGE B1



DIRECTIONS : FB G1380-12

MEASUREMENTS : SEE NEXT PG.

⊙ — 2" MARKER PIPE SET 2' OFF

T.G.N.

R.8W.

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F. B. 2461 PG 192

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE B1

50 MTR #	MEASUREMENTS	300' TAPE #
	LEV. @ T-68°	
19.934M = 19.931M = 65.39'	65.40' = 65.39'	85.83' = 85.82'
16.357M = 16.354M = 53.655'	53.665' = 53.655'	70.71' = 70.70'
	99.50' = 99.49'	91.59' = 91.58'
		93.04 = 93.03'

AREA & ROUTE

THIS TRAVERSE STA. IS IN THE "MOJAVE DESERT" PORTION OF EASTERN L.A. CO. IN THE VICINITY OF "ELLER SLOUGH". IT IS A COR OF SEC. 8, 9, 17, 16 T.6N., R.8W. WHICH IS THE INTER. OF 220TH ST. E. & AVE O. SEE U.S.G.S. 15' SHEET "SHADOW MOUNTAINS CALIF." QUAD. 1942

STATION MARK

A 2½" COUNTY SURVEYORS MONUMENTS BRASS DISC STAMPED "8 & 9 T 6N R8W". SET IN A 6" CONC. POST IN A MON. WELL 17 K 1' BELOW THE CAST IRON COVER WHICH IS 1½" BELOW THE PAVED SURFACE.

REFERENCE MARKS

RM 1 : A 2½" COUNTY ENGINEER BUTTON TOP BRASS BENCH MARK DISC STAMPED "BM 106-76 1958 5869". SET IN A 12" x 12" CONC. PAD WHICH IS 8" ABOVE GRD. IT IS TAN. TO EMI B1 & EMI B1 R.M.2.

RM2 : A 4" L.A. CO. SUR. CONT. SYSTEM BRASS REFERENCE MARK DISC STAMPED "EL MIRAGE B1 RM2 1972 RE7078" SET IN AN 8" CONC. POST WHICH IS 4" ABOVE GRD. SET BY TAN. PRODUCED FROM EMI. B1 R.M1 THROUGH EM1. B1.

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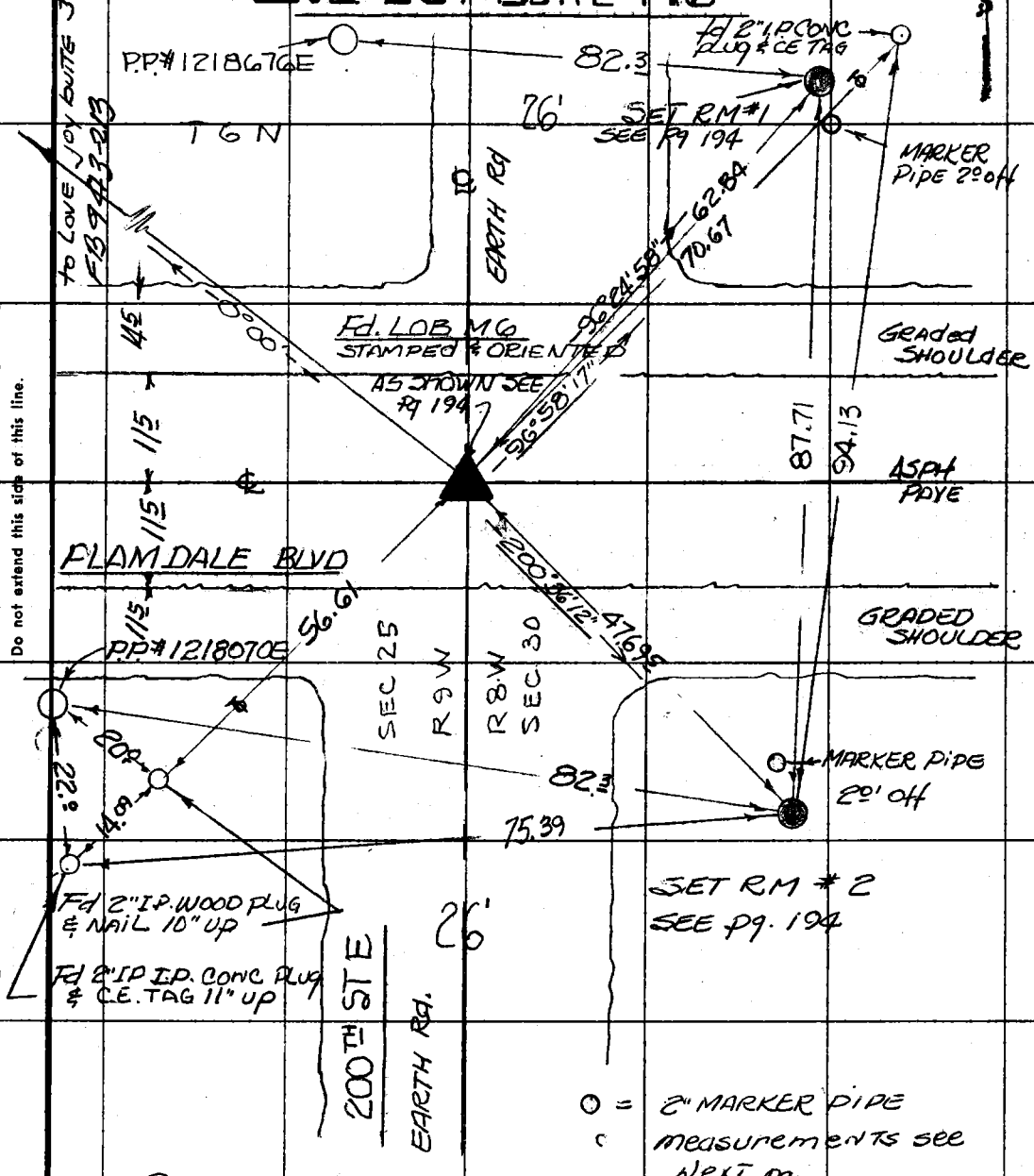
76F309S CE#310

Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2161 PG. 193
Map No.	JN 0301.00 Tape Std °F	
Office Work	Surveyed by RC WILSON	
Checked	Notes E. Martinez Date 12-18-72	
Date	Indexed I. M. PALMERI JUN 21 1974	

COUNTY SURVEYOR'S T.6W 1/4 SEC. COR. 25 & 30 R9W R8W MONUMENT

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LOVE JOY BUTTE M6



DIRECTIONS: FB 1380-8

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 2461 PG. 194 L. T.

COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LOVE JOY BUTTE M6

50 METER # M3 MEASUREMENTS 300' TAPE # 139

LEV. @ 50'

19.158 = 19.155 = 62.844	14.09 = 14.09	62.85 = 62.84
26.740 = 26.734 = 87.709	7.86 = 7.86	87.73 = 87.71
14.541 = 14.538 = 47.696		47.705 = 47.695
		56.62 = 56.61
		70.69 = 70.67
		94.15 = 94.13

AREA & ROUTE

THIS TRAVERSE STA IS IN L.A.CO. IN THE S.E PORTION OF ANTELOPE VALLEY. IT IS THE INTERSECTION OF 200TH ST E & RAMDALE BLVD.

STATION MARK

A 2½" "COUNTY SURVEYORS MONUMENT" BRASS DISC STAMPED: "E5 30 1/4 SEC COR R9W T6N R8W." SET IN A 6' CONC POST 9" BELOW GR. IN A CAP & WELL. NO RECORD OF SUB SURFACE MARK SET.

REFERENCE MARK

RM #1 A 4" LA CO SUR CONT. SY. BRASS REFERENCE MARK DISC STAMPED "LOVE JOY BUTTE M6 RM 1 1972 RE. 7078", SET IN A 8" CONC POST THAT IS 2" ABOVE GR.

RM # 2

IDENT. TO RM1 EXCEPT STAMPED "RM 2" AND IS FLUSH WITH GR.

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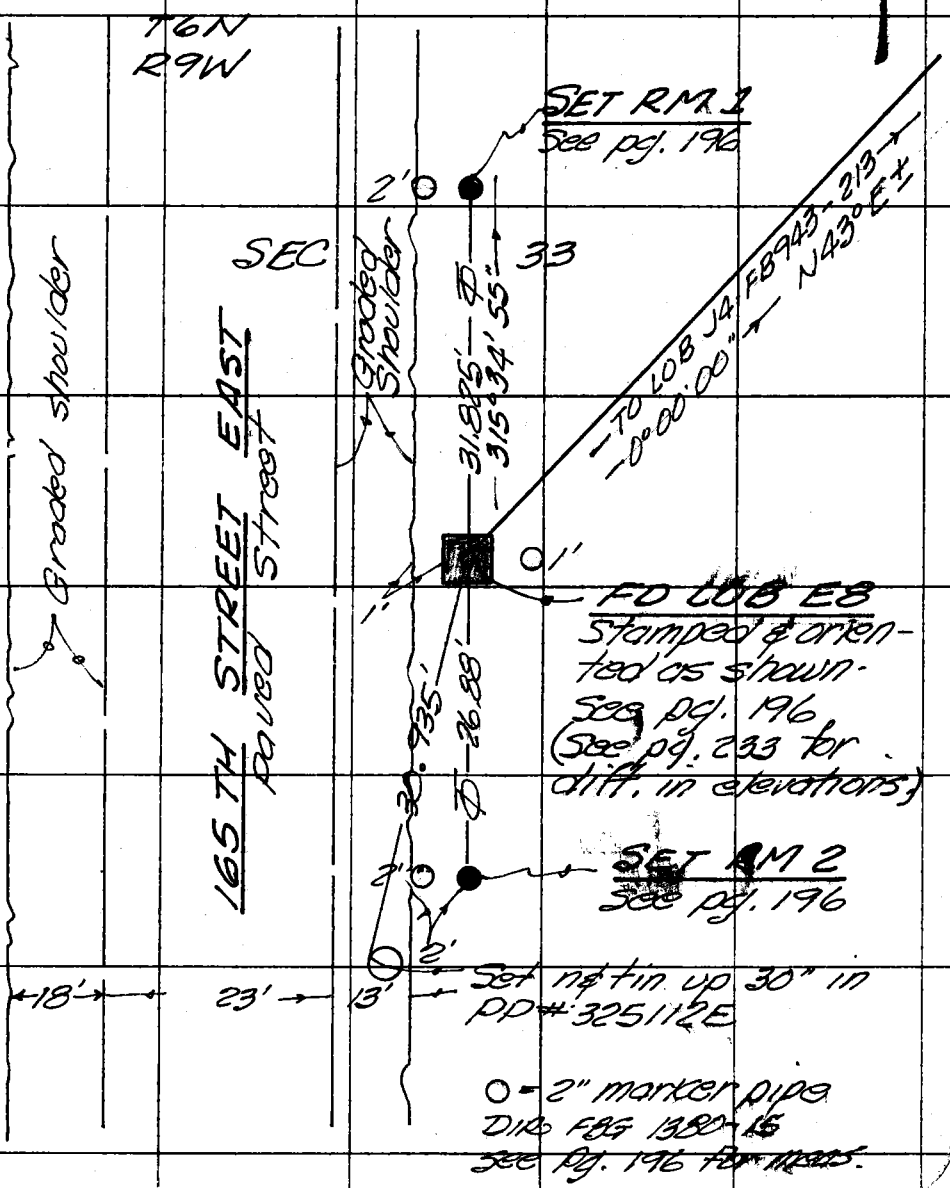
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 12-13-76
Date	Indexed L. M. PALMERI JUN 21 1974

F. B. 2461 PG. 195

COUNTY ENGINEER BM 109-17 1961 R. E. 5869

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
LOVEJOY BUTTE E8



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

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76F309S CE#310 3-69

GEODETIC CONTROL

F. B. 2461 PG. 196 L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

LOVEJOY BUTTE EB

300' # 139 Level @ 39° Measurements 50 mtr M3

31.835' = 31.825' 9.705m = 9.702m = 31.83'
26.89' = 26.88' 8.196m = 8.193m = 26.88'
30.945' = 30.935'

AREA: This trav. sta. is located in the N.E. portion of L.A. Co. in the Antelope Valley and may be reached by traveling north from its inter with Avenue S on 165 Th St. east 0.45 miles to the sta. on the right, 14' E. of the E. edge of pavement. Near the ctr of sec 33 T6N R9W.

STATION MARK: A 2½" CO. ENGR. button top brass bench mark disc stamped "BM 109-17 1961" up 2" & set in a 12"x12" conc. pad. No sub-surface mark.

REFERENCE MARKS:

RM1: A 4" L.A. CO. SUR. CONT. SYS. brass ref. mark disc stamped "LOVEJOY BUTTE EB RM1 1972 RE 7078" flush and set in a 8" conc. post.

RM2: Same as RM1, except stamped "RM2".

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std. °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 12-14-72
Date	Index L. M. PALMERI JUN 21 1974

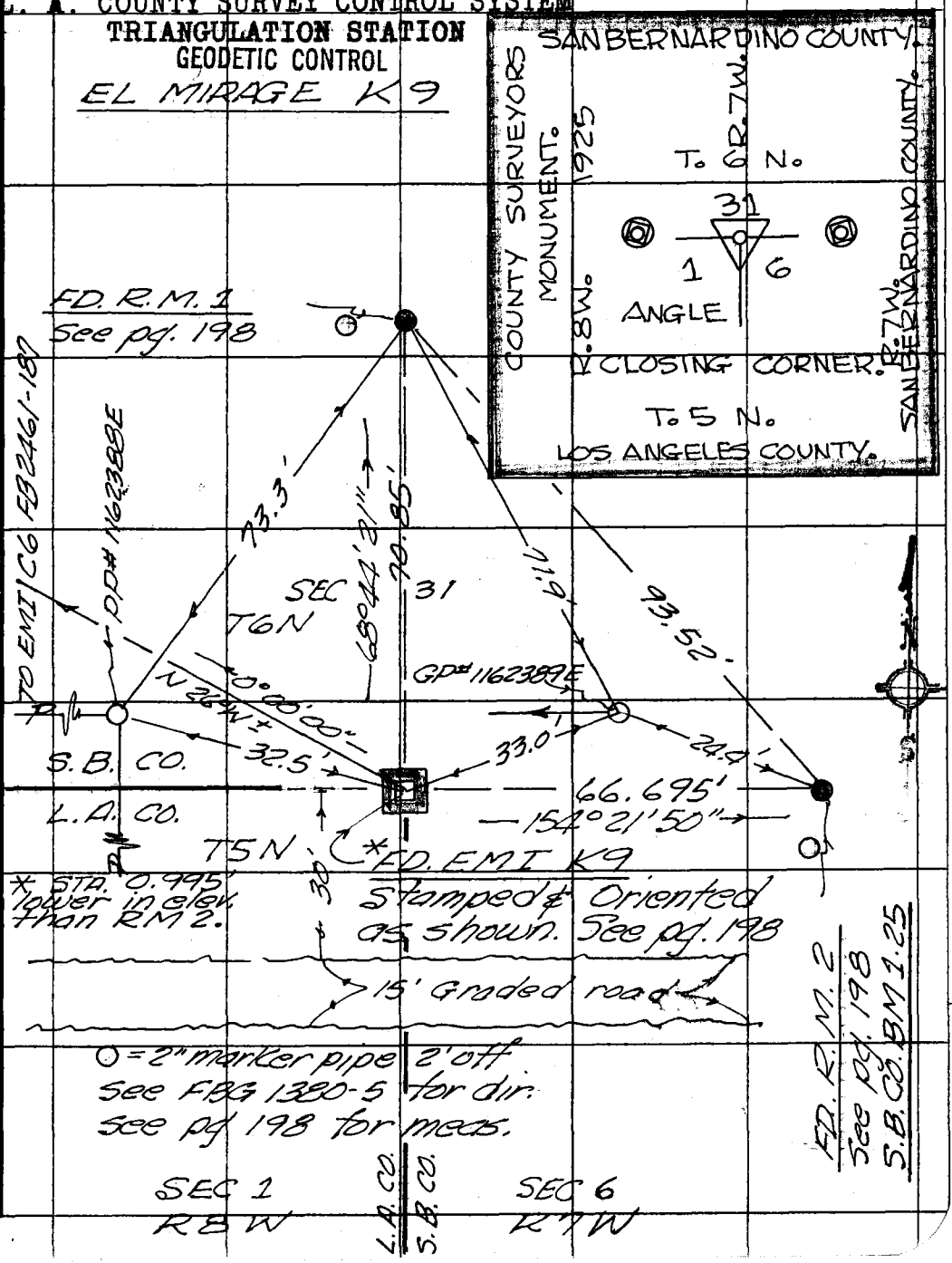
F. B. 2461 PG. 197

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

GEODETIC CONTROL

EL MIRAGE K9



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76F309S CE#310 3-69

F. B. 2461 PG. 198

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

EL MIRAGE K9

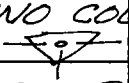
300' #221	Le 50°	Measurements	50 Mtr M6 Le 50°
70.87' =	70.85'	21.600 m = 21.594 m =	70.845'
66.695' =	66.675'	20.327 m = 20.321 m =	66.670'
93.54' =	93.52'	28.510 m = 28.504 m =	93.515'

AREA: This triang. sta. is located in the NE portion of L.A. Co. in the ely portion of Antelope Valley and is the closing cor. between R7W, R8W, T5N & T6N, Sec's 1 & 6, and a common cor. with SAN BERNARDINO COUNTY.

ROUTE: From its intersection with Palmdale Blvd (AVE Q8) travel south on 235TH ST East 1.0 mile to Ave R8; thence east 0.5 mile to 240Th St. East; thence south 0.5 mile to Ave S; thence east 2.6 mile to the sta. on the left. (Dirt roads)

ALT. From Hwy 18 & 267TH± (L.A.-S.B. Co line) travel north on t. tracks 4.0 mile to the station.

STATION MARK:

A 5"X5" copper plate stamped "COUNTY SURVEYORS MONUMENT. R.8W. 1925 SAN BERNARDINO COUNTY. R.7W. T.6N. 31  1 6 ANGLE CLOSING CORNER. T.5N. LOS ANGELES COUNTY. R.7W. SAN BERNARDINO COUNTY."

(CON'T 199)

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Map No.
Office Work
Checked
Date

Survey of GEODETIC CONTROL
JN 2331.00 Tape Std °F
Surveyed by RC WILSON
Notes RCW Date 2-4-77
Index Ted M. PALMERI JUN 21 1974

F. B. 2461 PG. 199

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE K9

STATION MARK: (CONT)

5"X5" copper plate bolted to a 18"X18" CONC. MASS, (30"x30" @ base) 22" HIGH. No sub-surface mark.

REFERENCE MARKS:

RM 1: A 4" U.S.C.&G.S. brass ref. mark disc stamped "ANGLE L.A.C. U.S.G.S. NO. 1 1934" up 8" & set in a 12"X12" conc. pad.

RM 2: Same as RM 1, except stamped "NO. 2 B.M. 1.25" & up 4". (This mark is San Bernardino Co. Surveyors Bench Mark 1-25.)

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76F309s CE#310 3-69

F. B. 2461 PG 200

GEODETIC CONTROL
L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE K9

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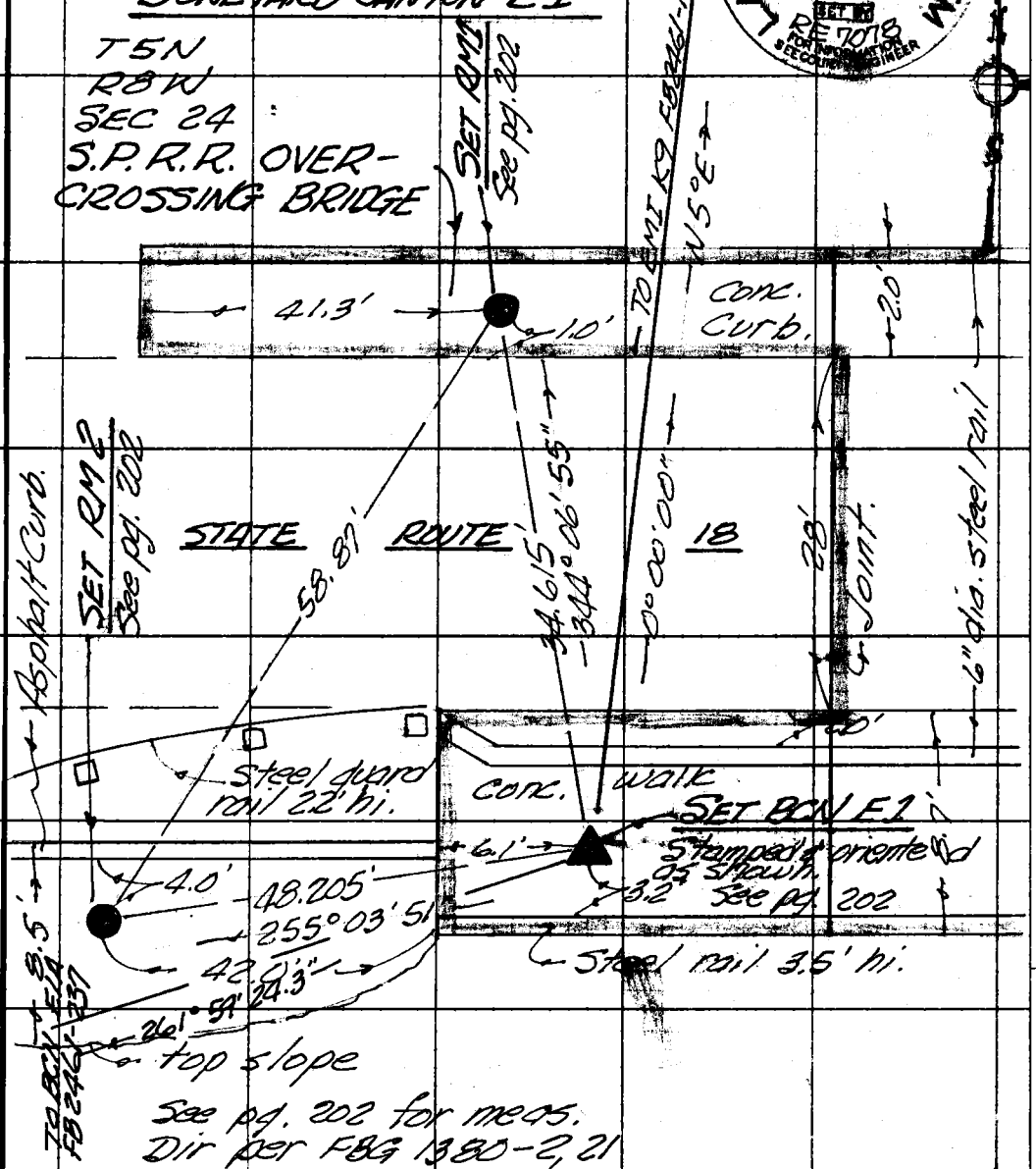
Notes Ck'd by	Survey of Geod. Control
Map No.	JN 2301.02 Tape Std °F
Office Work	Surveyed by RC WILSON
Checked	Notes RCW Date 12-12-72
Date	Indexed T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 201

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BONEYARD CANYON E1



L.A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BONEYARD CANYON
E1
972
SET BY
RE 7078
FOR INFORMATION SEE COUNTY ENGINEER

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76F309S CE#310 3-69

F. B. 2461 PG. 202

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

BONEYARD CANYON E 1

300' #221 Measurements 50 MTR M6

Level @ 47°

34.625' = 34.615' 10.553m = 10.550m = 34.615'
48.215' = 48.205' 14.697m = 14.694m = 48.205'

Level @ 42°

58.89' = 58.87' 17.951m = 17.945m = 58.875'

AREA: This trav. sta. is located in the NE portion of L.A. Co. 0.2 miles west of the L.A. - S.B. Co. line on the S.W. abutment of a conc. RR overcrossing bridge on State Route 18, 4.4 miles east of the junct. with State Route 138.

STATION MARK: A 4" L.A. Co. Sur. Cont. Sys. brass trav. disc stamped "BONEYARD CANYON E1 1972 RE 7078" bonded to conc. bridge abutment. No sub-surface mark set.

REFERENCE MARKS:

RM1: A 4" L.A. Co. Sur. Cont. sys. brass ref. mark disc stamped "BONEYARD CANYON E 1 1972 RM 1 RE 7078" bonded to N. conc. curb of R.R. overcrossing bridge

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Notes Ck'd by	Survey of Geod. Control
Map No.	Job 031.02 Tape Std °F
Office Work	Surveyed by RC Wilson
Checked	Notes RCW Date 12-12-72
Date	Indexed T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 203

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BONEYARD CANYON E1

RM 2: Same as RM 1, except stamped "RM 2" & up 2", & set in a 8" conc. post, 42'± west of the SW corner of the RR bridge.

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76F309S CE#310 3-69

F. B. 2461/PG. 204

GEODETIC CONTROL

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BONEYARD CANYON E 1

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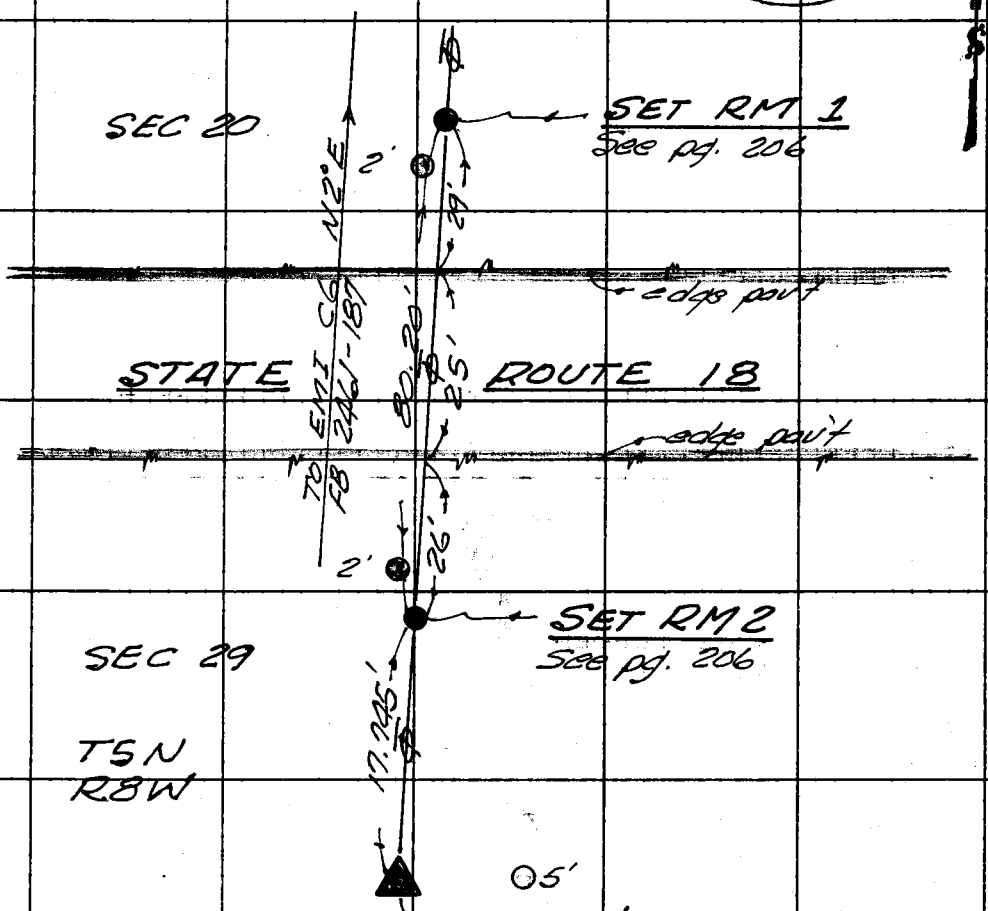
Notes Ck'd by	Survey of GEOD. CONTROL
Map No.	JN 0301.02 Tape Std. °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes RCW Date 12-12-72
Date	Indexed E. M. PALMERI JUN 21 1974

F. B. 2461 PG. 205

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
K1046
MESCAL CRK
I 1
1960
1976
SET BY
RE 7078
FOR INFORMATION SEE COUNTY ENGINEER

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
MESCAL CREEK I 1



○ - 2" marker pipe set
See pg. 206 for 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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16F309S CE#310 3-69

F. B. 2461 PG. 206

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
MESCAL CREEK I 1

300' 221

Measurements 50 Mtr M6

Level @ 35° Temp.

80.23' = 80.20' 24.457m = 24.448m = 80.21'

17.755' = 17.745' 5.411 m = 5.408 m = 17.745'

AREA: This traverse station is located in the NE portion of L.A. Co. 56.5' ± S. of the ℄ of state Hwy 18, 4.5 miles ± ~~west~~ of the L.A. - S.B. Co. line, ± 0.2 mile east of the junction of state Hwy 138.

STATION MARK: A 4" L.A. CO. SUR. CONT. SYS. brass triang. disc stamped "K 1046 1960" with "MESCAL CRK I 1 1972 RE 1078" added to cap 12-12-72 up 4" ± set in a 12"x12" conc. pad. No record of sub-surface mark.

REFERENCE MARKS:

RM 1: A 4" LA CO SUR CONT SYS brass ref. mark disc stamped "MESCAL ~~CREEK~~ CREEK I 1 RM 1 1972 RE 1078" up 4" ± set in a 8" conc. post ± on line to EMI C 6.

RM 2: Same as RM 1, except stamped "RM 2".

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Notes Ck'd by	Survey of GEOD. CONTROL
Map No.	JN 230.00 Tape Std °F
Office Work	Surveyed by RGWILSON
Checked	Notes RGW Date 12-27
Date	Indexed T. M. PALMER JUN 21 1974

F. B 246 / PG. 207

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
MESCAL CREEK I 2

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

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76F309s CE#310 3-69

F. B. 2461 PG. 208

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

MESCAL CREEK I 1

PLEASE RETURN TO
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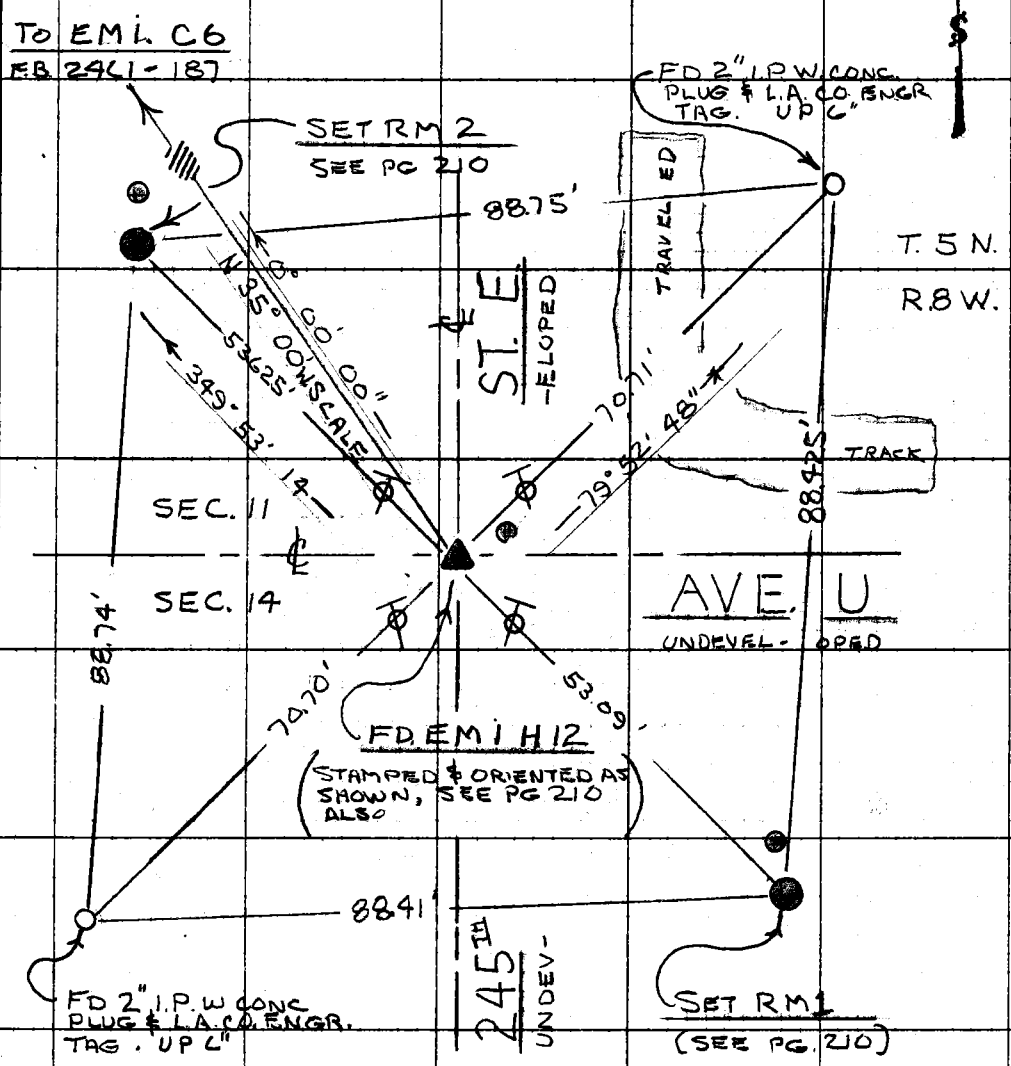
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN030100 Tape Std. °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 12/21/72
Date	Index L. M. PALMER JUN 21 1974

F. B. 2461 PG. 209

COUNTY SURVEYOR T.5N. R.8W. 11 14 1/4 COR. R.E. 329

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE H12



DIRECTIONS: FB G1380-13

MEASUREMENTS: SEE NEXT PG.

● - 2" MARKER PIPE SET 1' OFF

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

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.

76F309S CE#310 3-69

F. B. 2461 PG. 210

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE H12

50 METER MG MEASUREMENTS 300' TAPE 221

LEVEL @ T 68°

16.184 M = 16.181 M = 53.09'	53.10' = 53.09'
16.347 M = 16.344 M = 53.62'	53.635' = 53.625'
70.72' = 70.71'	70.71' = 70.70'
88.75' = 88.74'	88.42' = 88.41'
88.435 = 88.425'	88.72' = 88.75'

AREA & ROUTE

THIS TRAVERSE STATION IS IN THE "MOJAVE DESERT" PORTION OF N.E. L.A.CO. IN THE VICINITY OF "THREE SISTERS BUTTES." IT IS THE INTER. OF 245TH ST. EAST & AVE "O". SEE USG.S. 15' SHEET "SHADOW MOUNTAINS CALIF", QUAD. 1942.

STATION MARK

A 2½" BRASS COUNTY SURVEYOR DISC STAMPED: "11/14 ¼ COR. T.5N., R.8W. R.E. 329". SET IN A 6" CONC POST WHICH IS 2" ABOVE GRD. NO RECORD OF ANY SUB-SURFACE MARK BEING SET.

REFERENCE MARKS

R.M.1 : A 4" L.A.CO. SUR. CONT. SY BRASS REFERENCE MARK DISC STAMPED: "EL MIRAGE H12 RM 1 1972 RE 7078" SET IN AN 8" CONC. POST WHICH IS 3" ABOVE GRD. SET TAN. TO EMI. H12 & EMI. H12 R.M. 2.

R.M.2 : IDENTICAL TO "RM 1" EXCEPT STAMPED "RM 2". SET BY TAN. PROD. FROM "RM 1" THROUGH EMI H12.

OTHER MARKS: 2 - 2" IRON PIPES, SHOWN & DESCRIBED ON Pg. 209.

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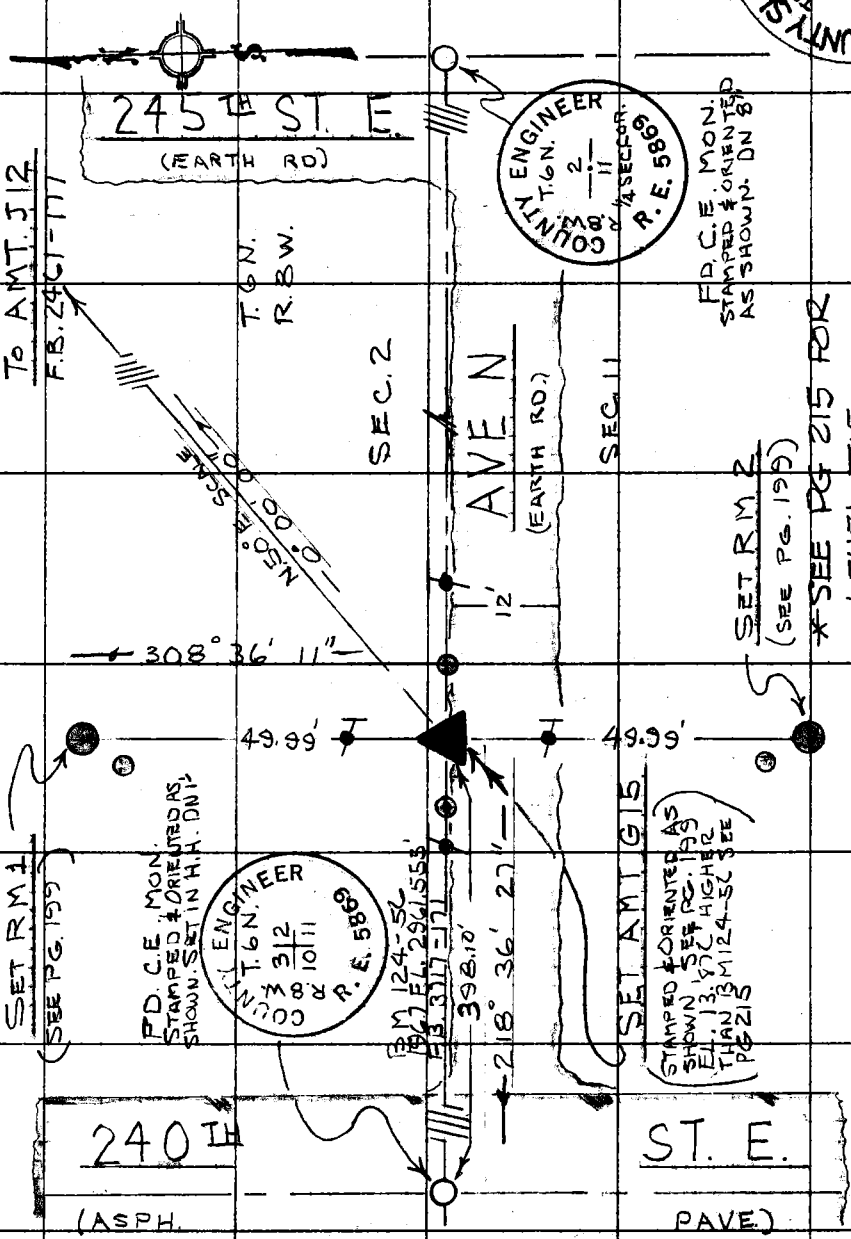
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R. C. WILSON
Checked	Notes C. A. PYLE Date 12/8/72
Date	Index T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 211

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN. G15



⊙ — 2" MARKER PIPE SET 4' OFF AMT G15
& 2' OFF RM1 & RM2

MEASUREMENTS: SEE NEXT PG.

DIRECTIONS: F.B.G 1380-1

LA COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN G15
1972
SET BY
RE 7078
FOR INFORMATION
SEE COUNTY ENGINEER

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76F309S CE#310 3-69

F. B. 2461 PG. 212

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN. G15

50 MTR # | MEASUREMENTS | 300' TAPE # 139

LEV @ T 47°

15.240M = 15.237M = 49.99'
15.242 M = 15.239M = 49.995'

50.00' = 49.99'
50.00' = 49.99'

398.20' @ 0°0', T-44° = 398.10

AREA

THIS TRAVERSE STATION IS IN THE EASTERN "ANTELOPE VALLEY" PORTION OF L.A. CO., IN THE VICINITY OF "FLLER SLOUGH" IT IS ON LINE DIVIDING SEC. 2/ SEC. 11, 400' ± E. OF THE N.W. COR. OF SEC 11, T.6N., R.8W., SEE U.S.G.S. 15' SHEET "SHADOW MOUNTAINS, CALIF." QUAD. 1942.

ROUTE

FROM ITS INTER. WITH 240TH ST. E. TRAVEL ELY ON AVE N 400' ± TO STATION SITE ALONG N. EDGE OF RD.

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301-00 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes C A PYLE Date 2/3/72
Date	Index L. M. PALMER JUN 21 1974

F. B. 2461 PG. 213

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
ADOBE MTN. G15

STATION MARK

A 4" L.A. CO. SURVEY CONT. SYSTEM BRASS TRAVERSE STATION DISC STAMPED "ADOBE MTN G15 1972 RE7078", SET IN AN 8" CONC. POST WHICH IS 4" ABOVE GRD. SET ON TAN. BETWEEN COR. SEC. 3/2/10/11 T.1N., R.8W. & 1/4 COR. 2/11 T.1N., R.8W.

SUB SURFACE MARK

NONE SET

REFERENCE MARKS

RM 1: A 4" L.A. CO. SUR. CONT. SYSTEM BRASS REFERENCE MARK DISC STAMPED: "ADOBE MTN G15 RM 1 1972 RE 7078" SET IN AN 8" CONC. POST WHICH IS 4" ABOVE GRD. SET TAN. TO AMT. G15 & AMT. G15 R.M. 2 AT A DISTANCE OF 49.99' N. OF AMT. G15

RM 2: IDENT TO RM 1 EXCEPT STAMPED "RM 2" SET BY TAN. PROD. FROM AMT. G15 RM 1 THROUGH AMT G15. SET 49.99' S. OF AMT. G15.

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76F309S CE#310 3-69

F. B. 2461 PG 214

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

ADOBE MTN. GIS

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F. B. 2461 Pg. 215

Profile No. ____ X-Sec. No. ____
Notes Red ____ Date ____ Notes Chkd. ____ Date ____
Plotted ____ Date ____ Checked ____ Date ____
Job No. 0301.00 Division No. 11
Survey of Geodetic Control
Survey by RC Wilson Notes DHF Date 12-8-72
Map No. ____ Indexed T. M. PALMER Date JUN 21 1974

ELEVATION DIFF
BETWEEN
SEC. COR. 2,8,10,11 T6N R8W (BM 124-56)
AND
ADOBE MTN GIS

RC Wilson
DH Fisher
RG Blanchard

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

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

Do not extend notes this side of this line.

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403 Los Angeles County Engineering Bldg.

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

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

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F.B. 2461 Pg. 216 Job No 03201.00 Division No. 11 Notes Red Plotted Profile
Survey of Geodetic Control Date 12-8-72 Date No. X-Sec.
Survey by RC Wilson Notes DHE Notes Chkd Checked No.
Indexed L. M. PALMERI Date JUN 21 1974 Date Date

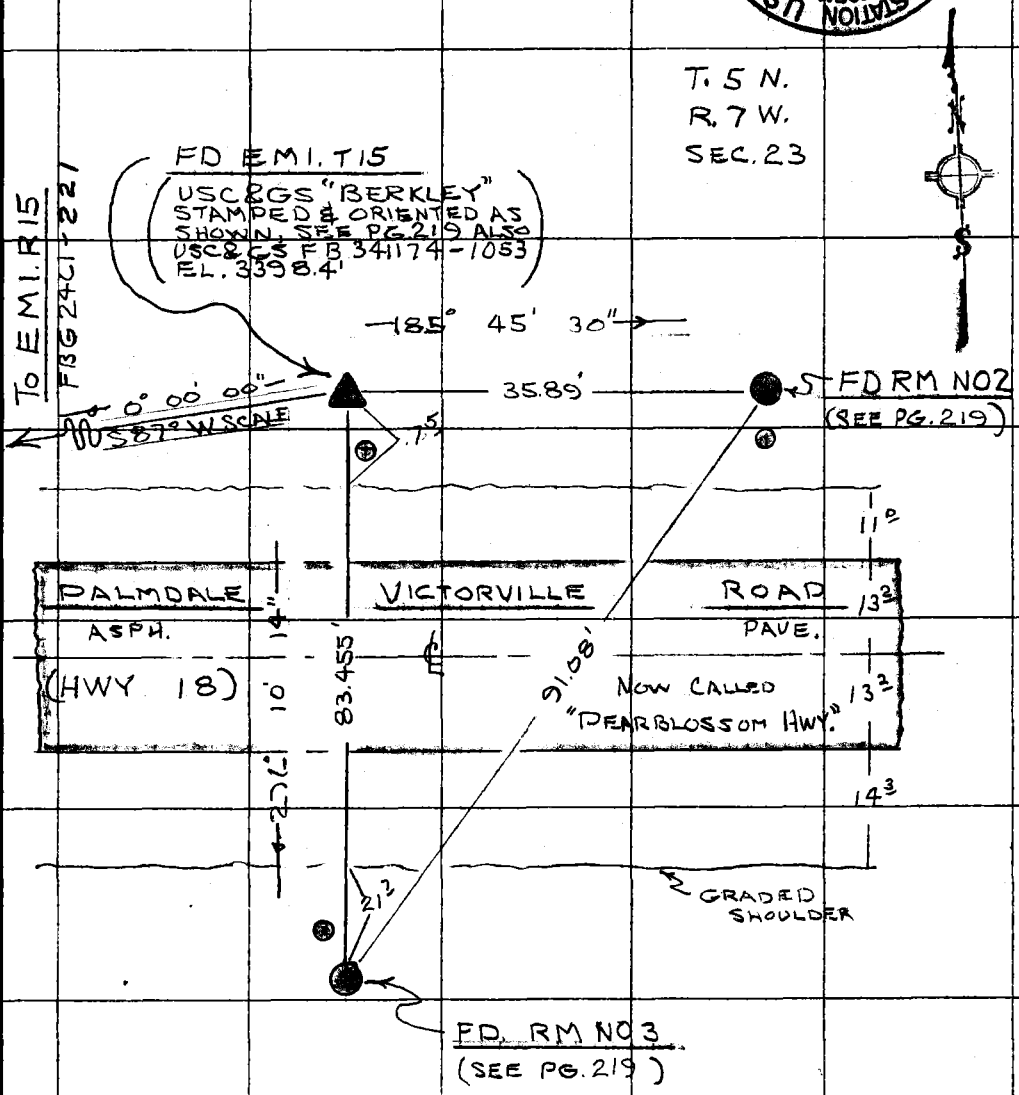
STATION	B. S.	H. I.	F. S.	ELEV.		
BM	11.448	111.448		100.000	Sec. Cor. 2,8,10,11 T6N R8W 2½" Brass Disc Dn. 13"	
TP	6.546	116.524	1.469	109.978		
AMT G.15	2.523	116.396	2.651	113.873	L.A. Co. Survey Control Sys. 4" Brass Disc. FB	
TP	2.522	112.501	6.417	109.979		
TP	3.216	107.722	7.995	104.506		
BM			7.728	99.994	Elev. 100.000' Assumed	See line 1

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 12/15/72
Date	Indexed I. M. PALMERI JUN 21 1974

F. B. 2461 PG. 217

U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION
WRITE TO THE DIRECTOR, WASHINGTON, D.C. FOR INFORMATION
$250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK.
BERKLEY 1945

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE T 15
U.S.C.& G.S. "BERKLEY"



DIRECTIONS: FB 1380-7

⊙ - 2" MARKER PIPE SET 4' OFF EMI. T15, 2' OFF RM'S.

MEASUREMENTS: SEE NEXT PG.

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76F309S CE#310 3-69

F. B. 2461 PG. 218

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE T 15

SG. MTR # M6 MEASUREMENTS 300' TAPE # 221

LEV. @ T = 40°

10.942 M = 10.939 M = 35.89'	35.895' = 35.885'
25.442 M = 25.436 M = 83.45'	83.48' = 83.46'
27.769 M = 27.760 M = 91.08'	91.11' = 91.08'

AREA

THIS TRIANGULATION STA. IS IN S.B. CO., IN THE VICINITY OF "PHELAN" IT IS 32'± N. OF THE ℄ OF "PALMDALE-VICTORVILLE RD." (HWY. 18). IT IS 875'± S. & 600'± E. OF THE N.W. COR. OF SEC. 23, T. 5N., R. 7W. SEE U.S.G.S 15' SHEET "SHADOW MOUNTAINS CALIF." QUAD. 1942

ROUTE

FROM ITS JUNCTION WITH "ANTELOPE HWY." (138 EAST) TRAVEL ELY. ON "PEARBLOSSOM HWY" (18 EAST) 4.4 MILES TO THE L.A CO\S.B. CO BDRY. LINE. PROCEED ELY. 4.4 MILES TO THE STATION SITE. STATION IS 32' ± N. OF HWY. 18 ℄.

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Notes Ck'd by	Survey of GEODETIC CONTROL
~~Map No.~~	JN0301C0 Tape Std. °F
Office Work	Surveyed by R.C. WILSON
Checked	Notes C.A. PYLE Date 12/5/72
Date	Indexed L. M. PALMERI JAN 21 1974

F. B. 2461 PG. 219

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE T 15

STATION MARK

A 4" U.S.C&G.S. BRASS TRIANGULATION STATION DISC STAMPED: "BERKLEY 1965" SET IN A 12" CONC. POST WHICH IS 4" ABOVE GRD.

SUB-SURFACE MARK

SET PER. U.S.C&G.S. FB 341174 - 1053

REFERENCE MARKS

RM 1: NOT FOUND

RM 2: A 4" U.S.C&G.S. BRASS REFERENCE MARK DISC STAMPED: "BERKLEY NO 2 1965". SET IN A 10"X10" CONC. PAD WHICH IS 2" ABOVE GRD.

RM 3: IDENTICAL TO RM 2 EXCEPT STAMPED: "RM NO 3 1965" SET IN A 12" CONC. POST WHICH IS 6" ABOVE GRD.

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76F309s CE#3103-69

F. B. 2461 PG. 230

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE T 15

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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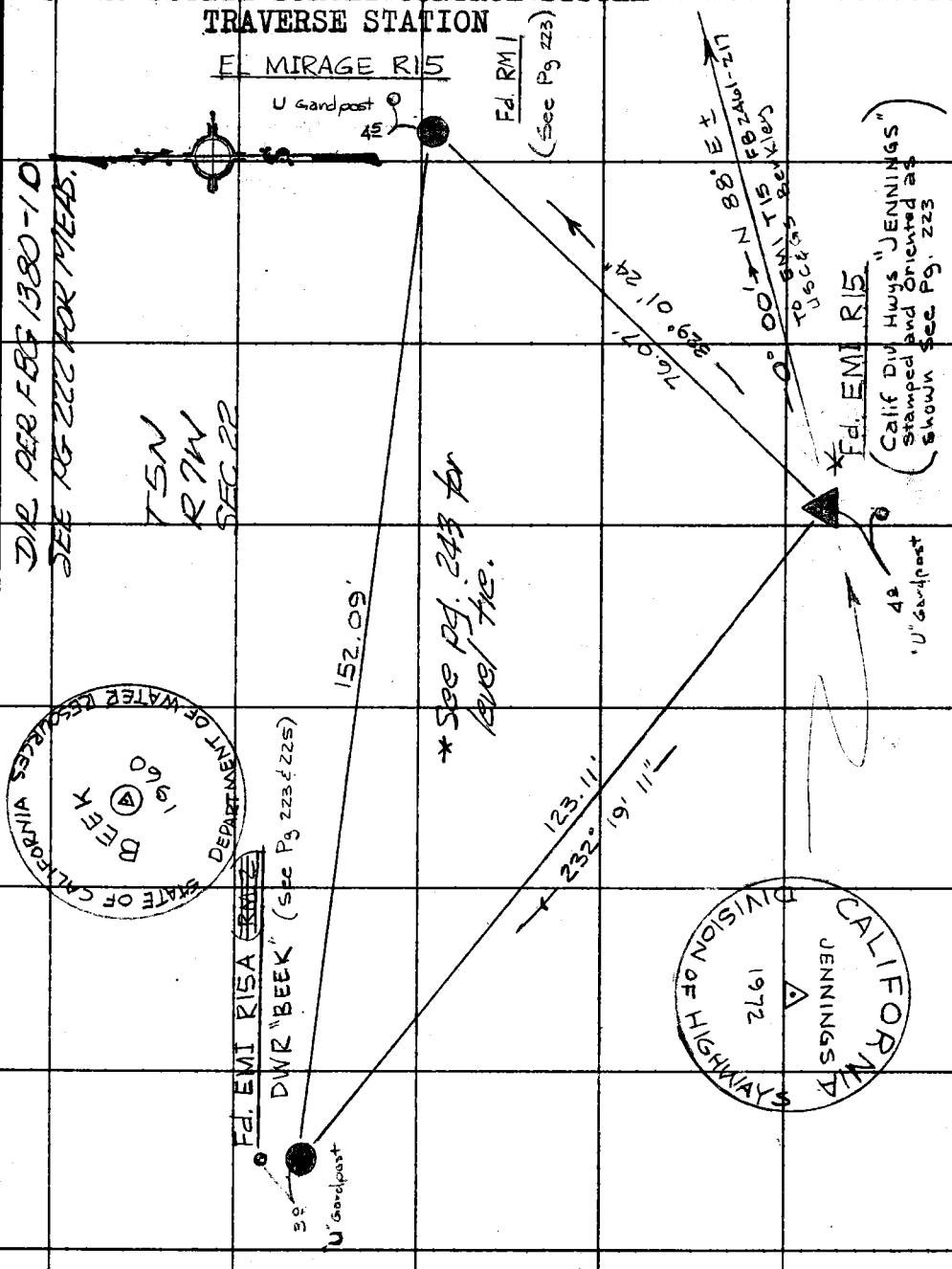
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes DHFisher Date 12-20-72
Date	Indexed J. M. PALMER JUN 21 1974

F. B. 2461 PG. 221

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION



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76F309S CE#310 3-69

F. B. 2461 PG. 222

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE R15

50 MTR. #M3 — MEASUREMENTS — 300' #139

LEVEL @ 64°

37.530 M =	37.524 M =	123.110'	123.13' = 123.11'
23.191 M =	23.188 M =	76.076'	76.08 = 76.07'
46.364 M =	46.358 M =	152.093'	152.11' = 152.09'

AREA

This Traverse station is in S. B. Co., in the vicinity of Phelan. It is 400'± S. of the ℄ of Palmdale-Victorville Rd. (Hwy. 18). Station is near the center of Sec. 22 T5N R7W.

ROUTE

From its junction with Antelope Hwy. (138 East) travel E'ly on Pearblossom Hwy. (18 East) 8.7 miles to the station site. Station is 400'± S. of Hwy. 18 ℄.

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Map No.	JN ____ Tape ____ Std ____ °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes DH Fisher Date 12-21-72
Date	Indexed L. M. PALMER JUN 21 1974

F. B. 2461 PG. 223

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

EL MIRAGE R15

STATION MARK

A 4" California Division of Highways brass disc stamped: "JENNINGS 1972" Set in a 14" octagonal concrete pad which is flush with the ground.

SUB-SURFACE MARK

NO RECORD OF SUB-SURFACE MARK.

REFERENCE MARKS

RM 1: A 4" Calif. Div. of Hwys. brass disc stamped: "JENNINGS RM NO1 1972." Set in a 14" octagonal concrete pad which is 2" above ground.

EMI R15A

~~RM 2~~: A 4" State of California Department of Water Resources brass disc stamped: "BEEK 1960" set in a 9½" concrete post which is 2" above ground. (aka EL MIRAGE R15A see FB 2461 - 225)

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

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76F309S CE#310 3-69

F. B 2461 PG. 224

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

EL MIRAGE R15

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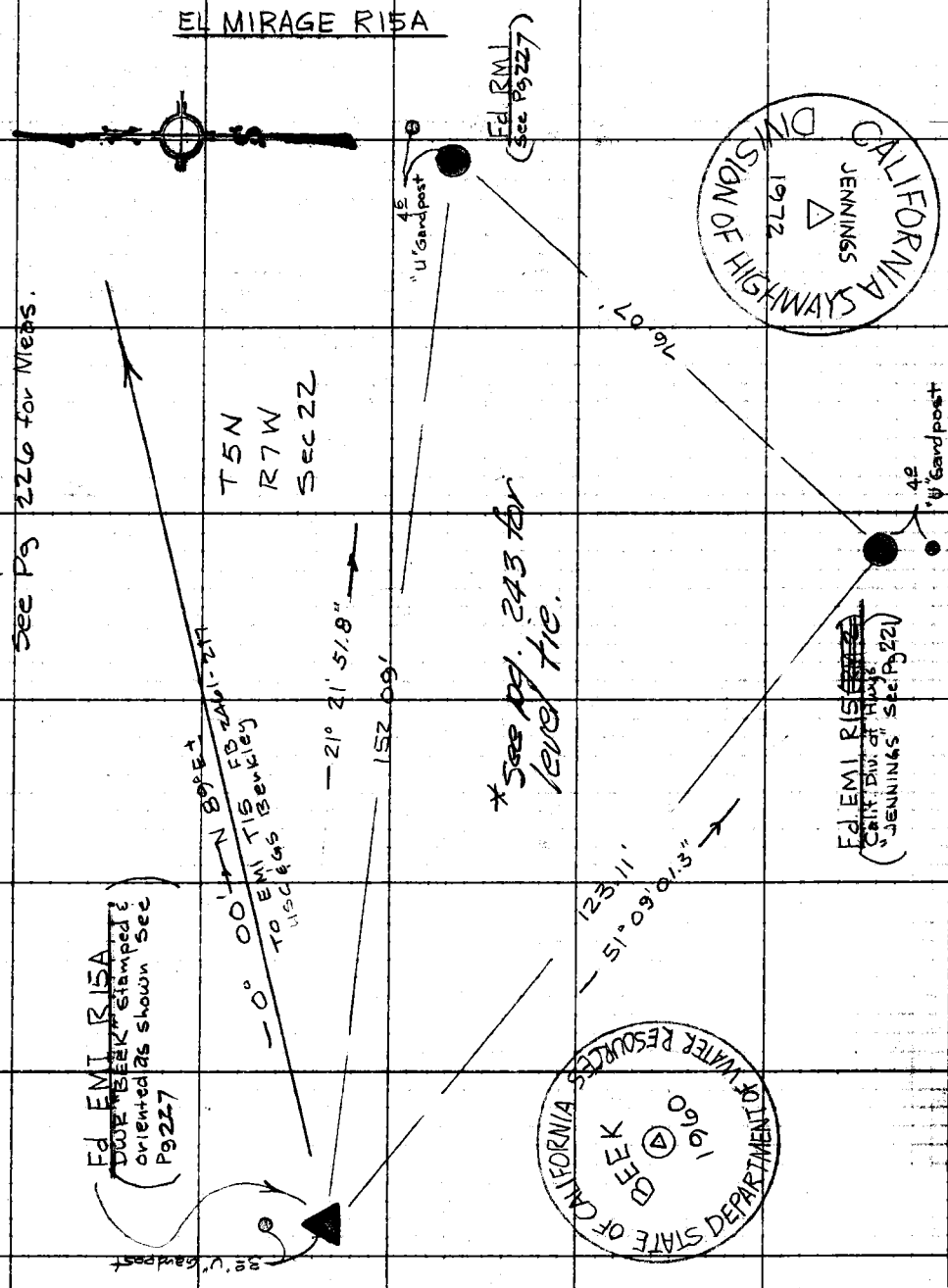
Map No.	JN Tape Std °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes DHFisher Date 12-21-72
Date	Index T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 225

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE R15A



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76F309S CE#310 3-69

F. B. 2461 Pg. 226

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

EL MIRAGE R/SA

50 MTR. # M3 MEASUREMENTS 300' # 139

LEVEL @ 64°

37.530M =	37.524M =	23.110'	123.13' = 123.11'
23.191M =	23.188M =	76.076'	76.08' = 76.07'
46.364M =	46.358M =	152.093'	152.11' = 152.09'

AREA

This Traverse station is in S. B. Co., in the vicinity of Phelan. It is 350'± S. of the ℄ of Palmdale-Victorville Rd (Hwy 18). Station is near the center of Sec 22 T5N R7W

ROUTE

From its junction with Antelope Hwy (138 East) travel E'ly on Pearblossom Hwy (18 East) 8.2 miles to the station site. Station is 350'± S. of Hwy 18 ℄.

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Notes Ck'd by	Survey of GEODETIC CONTROL
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Office Work	Surveyed by R. C. Wilson
Checked	Notes ____ Date ____
Date	Index T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 227

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
EL MIRAGE RISA

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

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STATION MARK

A 4" State of California Department of Water Resources brass disc stamped: "BEEK 1960" Set in a 9½" concrete post which is 2" above ground.

SUB-SURFACE MARK

No record of sub-surface mark.

REFERENCE MARKS

RM 1: A 4" Calif. Div. of Hwys. brass disc stamped: "JENNINGS RM NO 1 1972" Set in a 14" octagonal concrete pad which is 2" above ground

RM 2: A 4" Calif. Div. of Hwys brass disc stamped: "JENNINGS 1972" Set in a 14" octagonal concrete pad which is flush with the ground (aka ELMIRAGE RIS) (see pg 221)

76F309S CE#310 3-69

F. B. 2461 PG 228

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

EL MIRAGE R15A

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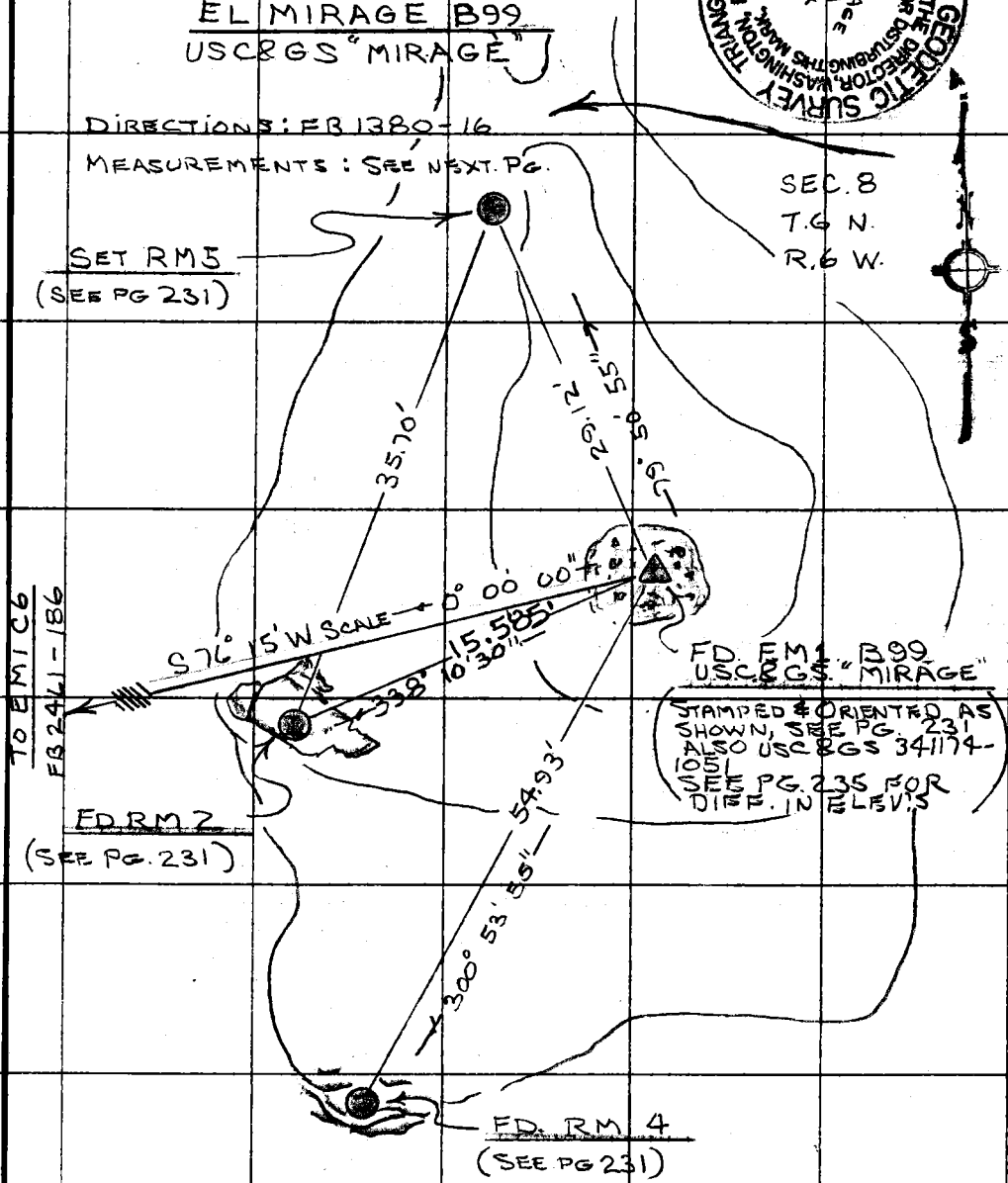
Map No.	JN0301.00 Tape Std °F
Office Work	Surveyed by R C WILSON
Checked	Notes C.A. PYLE Date 12/15/72
Date	Index T. M. PALMERI JUN 21 1974

F. B. 2461 PG. 229

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

EL MIRAGE B99
USC&GS "MIRAGE"



TRIANGULATION STATION U.S. COAST & GEODETIC SURVEY
FOR INFORMATION WRITE TO THE DIRECTOR, WASHINGTON, D.C. $250 FINE OR IMPRISONMENT FOR DISTURBING THIS MARK.
MIRAGE 1934

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

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76F309S CE#310 3-69

F. B 246 PG 230 L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

EMIRAGE B99

50 MTR. M3 MEASUREMENTS 300' TAPE. 139

LEV. @ 37°

8.879 M = 8.876 M = 29.12' 29.13' = 29.12'

10.994 M = 10.881 M = 35.70' 35.71' = 35.70'

4.751 M = 4.751 M = 15.587' @ 54° T 15.585' = 15.585'

17.077 M = 17.071 M = 56.00' (SLOPE DIST.) 56.03' = 56.00'
= 54.93' LEVEL 54.93' LEVEL

AREA: THIS TRIANG STA. IS IN THE "MOJAVE DESERT" PORTION OF "SAN BERNARDINO CO" IN THE VICINITY OF "MIRAGE LAKE". IT IS ATOP OF A HILL MARKED 3450, AMONG THE "SHADOW MTNS." SET 2,350' ± N. & 10' ± W. OF THE S.E. COR. OF SEC. 8, T6N, R6W. SEE U.S.G.S. 15' SHEET "SHADOW MTNS. CALIF." QUAD. 1942.

ROUTE: FROM ITS INTER. WITH 260TH ST. E. (L.A.CO. \ S.B.CO. BDRY. LINE) TRAVEL ELY. ON AVE "P" 7.05 MILES TO A DIRT RD. ON THE LEFT (N.) FOLLOW THIS NLY. 1.0 TO AN INTER. WITH AN EARTH RD. TURN RT. AND PROCEED ELY 0.40 MILE TO "T" INTER @ BASE OF SMALL KNOB, THENCE RT. (SLY.) 300' TO A JUNCTION, BEAR LEFT, THENCE 0.40 MILE TO THE BASE OF A HILL. TURN LEFT (NLY.) AND FOLLOW THE ROAD 0.50 MILE ACROSS SAND AND SHALE COVERED HILLSIDE TO THE BASE OF A RIDGE RISING TO THE EAST. PROCEED ELY. UP AND OVER A DOME SHAPED KNOB 0.10 MILE TO SMALL SADDLE, TURN LEFT (NLY.) AND DESCEND 300' TO THE BOTTOM OF A DRAW, BEAR RT (N.WLY.) AND TRAVEL UP THE NARROW WASH-BOARD RUTTED BOTTOM ASCENDING 0.30 MILE TO A SADDLE AT THE TOP OF A RIDGE. DESCEND ELY. 0.02 MILE TO THE CONFLUENCE OF TWO SMALL DRAWS. CROSS THE BOTTOM AND ASCEND A LOW SPUR RISING S.W.LY. 0.10 MILE TO THE TOP OF A RIDGE. ASCEND THE RIDGE 0.20 MILE S.WLY. TO A SADDLE. TURN RT. (W.LY.) AND ASCEND STEEP SLOPE (F.W.D. VEHICLE NECESSARY) 200' TO THE SUMMIT AND THE STATION SITE.

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Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 2461 PG. 231
Map No.	JN0301.00 Tape Std °F	
Office Work	Surveyed by RCWILSON	
Checked	Notes C. A. PYLE Date 12/15/72	
Date	Indexed L. M. PALMER JUN 21 1974	

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
EL MIRAGE BB99

STATION MARK

A 4" U.S.C&G.S. BRASS TRIANGULATION STATION DISC STAMPED " MIRAGE 1934" SET IN A 12"x12" CONC. PAD WHICH IS PROTRUDING 4" ABOVE A LARGE SHALE ROCK OUT-CROPPING.

SUB-SURFACE MARK

NO RECORD OF ANY HAVING BEEN SET

REFERENCE MARKS

RM 1: DESTROYED, PER 1965 RECOVERY BY J.J.L. F.B. 341174-1051

RM 2: A 4" U.S.C&G.S BRASS REFERENCE MARK DISC STAMPED: " MIRAGE NO 2 1934" CEMENTED FLUSH IN A NATIVE ROCK OUT-CROPPING, APPROX. 24"x36". IT IS 3.54' LOWER IN ELEV. THAN THE STATION MARK.

RM 3: IS THE AZIMUTH MARK, 200 YDS.± SOUTH AT A LOWER POINT ON THE RIDGE. GEOD. AZIMUTH 346° 38' 11.6". NOT RECOVERED AT THIS TIME

RM 4: IDENTICAL TO "RM 2" EXCEPT STAMPED: " NO # 4" CEMENTED FLUSH IN A ROCK OUT-CROPPING APPROX. 18"x30". IT IS 10.95' LOWER IN ELEV. THAN THE STATION MARK.

RM 5: A 4" L.A. CO. SUR CONT. SY. BRASS REFERENCE MARK DISC STAMPED: " EL MIRAGE BB 1 RM 5 1973 RE 7078". SET IN AN 8" CONC. POST WHICH IS 8" ABOVE GRD & SURROUNDED BY A ROCK MOUND. IT IS 3.67' LOWER IN ELEV. THAN THE STATION MARK.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

16F309S CE#310 3-69

F. B. 2461 PG. 232

L. A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION

EL MIRAGE B99

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Profile	Notes Red	Plotted	Job No. 030102	Division No. 11	F.B. 2461	Pg. 233
No.	Date	Date	Survey of Geodetic Control			
X-Sec.	Notes Chkd.	Checked	Survey by RCW	Notes RCW	Date 1-4-73	
No.	Date	Date	Map No.	Indexed T.M. PALMERI	Date JUN 21 1974	

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

DIFF. IN ELEVATION
BETWEEN
LOVEJOY BUTTE F8
AND
RM1 & RM2

Wilson
Fisher ⊼
Martinez ϕ

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.		
BM 109-17	4 050	104 050		100 000	LA CO BM 109-17 in 2½" BRASS DISC set 12"X12" pad. Pg. 195	
RM 1	4 543	103 944	4 649	99 401	See pg. 195	
RM 2	4 025	104 107	3 862	100 082	" " "	
BM 109-17			4 107	100 000	El = 100.000 per line 1 above	

F. B. 2461 Pg. 234 Job No. 30100 Division No. 4 Notes Red Plotted Profile
Survey of Geodetic Control Date 1-4-73 Date No. X-Sec.
Survey by RLW Notes RLW Notes Chkd. Checked No.
Indexed L. M. PALMERI Date JUN 21 1974 Date Date

F.B. 2461 Pg. 235

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____
Date ____ Date ____ Survey of GEODETIC CONTROL
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by R. C. Wilson Notes C. PYLE Date 1-4-73
Date ____ Date ____ Map No. ____ Indexed T. M. PALMERI Date JUN 21 1974

ELEVATION DIFF.
BETWEEN
EM.1.B99 & RM2, RM4 + RM5

R WILSON P.C. II
D. FISHER
R. COCKERHAM
J. FLOREK

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

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV. (Assumed)		
EMI.B99	0.44	100.44		100.00	USC&GS "MIRAGE" 341174-1051, FB 2461-229	
EMI.BB1 RM.2	..		3.54	96.90	4" USC&GS BRASS R.M. DISC IN OUTCROP.	341174-1051 FB 2461-229
EMI.BB1.RM.5	..		4.11	96.33	4" L.A.CO. SUR. CONT. SY. BRASS R.M. DISC IN 6" CONC. POST	FB 2461-229
TP	1.41	95.91	5.94	94.50	SHARP POINTED ROCK	
EMI.BB1 RM4	..		6.86	89.05	4" USC&GS BRASS R.M. DISC IN ROCK SHELF	341174-1051 FB 2461-229

FOR REDUCTION OF TAPE DISTANCES ONLY

F.B. 2461 Pg. 23C

Survey of GEODETIC CONTROL Job No. Division No. Notes Red Plotted Profile
Survey by R. C. Wilson Notes C. A. Pyle Date Date No. X-Sec.
Indexed T. M. PALMER Date JUN 21 1974 Notes Chkd. Checked Date No.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.06 Tape Std. °F
Office Work	Surveyed by R. C. Wilson
Checked	Notes C. A. PYLE Date 1/15/73
Date	Indexed L. M. PALMER JUN 21 1974

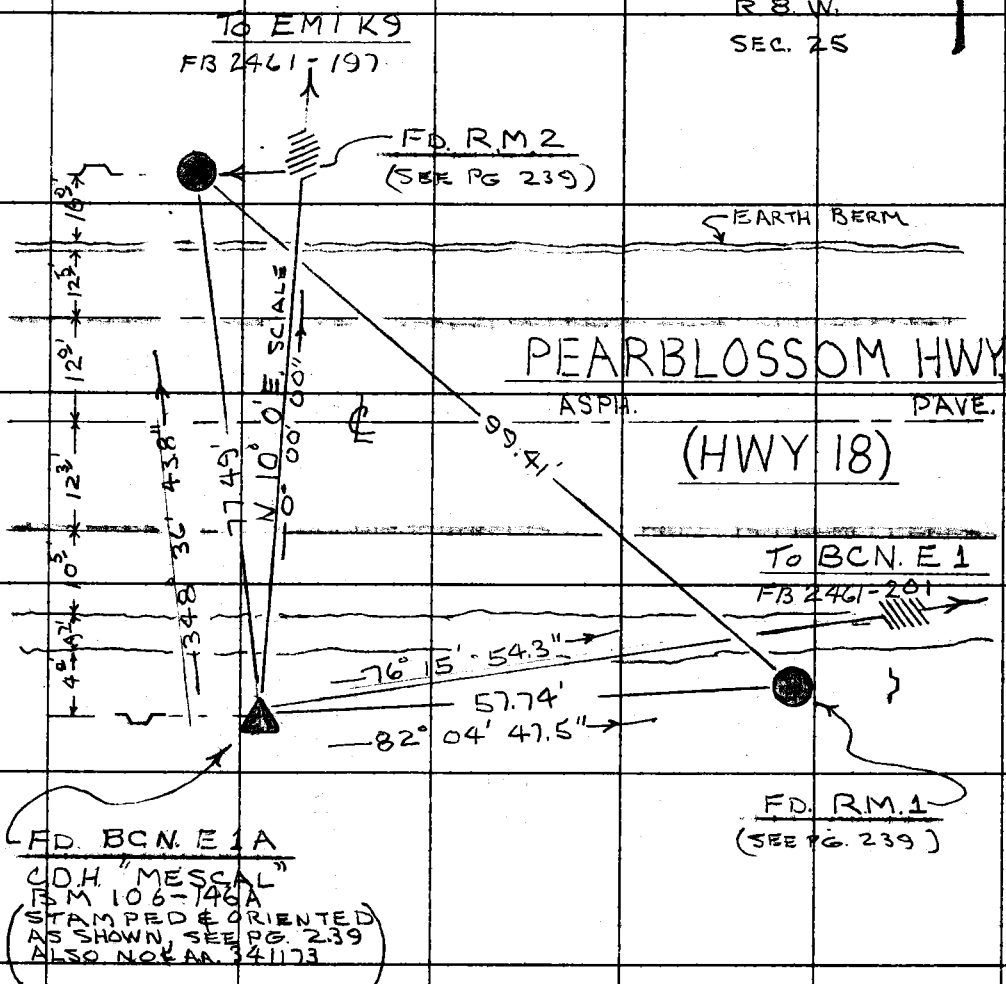
F. B. 2461 PG. 237

CALIFORNIA DIVISION OF HIGHWAYS MESCAL 1972

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BONEYARD CYN. E1A
CALIF. DIV. OF HWYS. "MESCAL"

T. 5 N.
R. 8 W.
SEC. 25



SEE PG 241 FOR R.M. ELEV. DIFF'S.
DIRECTIONS: FBG 1380-19
MEASUREMENTS: SEE NEXT PG.
"⌣" = FLYING "U" SHAPED STEEL MARKER PIPE SET 4' OFF.

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76F309S CE#310 3-69

F. B. 2461 PG 238

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BCN. E1A

50 MTR.# M3 MEASUREMENTS 300' TAPE # 139

Lev. @ 59°

17.602 M =	17.599 M =	57.74'	57.75'	= 57.74'
23.622 M =	23.619 M =	77.49'	77.50'	= 77.49'
30.306 M =	30.300 M =	99.41'	99.43'	= 99.41'

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AREA

THIS TRAVERSE STA. IS IN THE "MOJAVE DESERT" PORTION OF N.E. L.A. CO. IN THE VICINITY OF THE "SMITH RANCH". IT IS 35± S & 3000± W. OF THE N.E. COR. OF SEC. 25, T.5N., R.8W. A COR. ON THE L.A./S.B. CO. BDRY LINE. SEE U.S.G.S 15' SHEET "SAN ANTONIO CALIF." QUAD. 1942.

ROUTE

FROM ITS JUNCTION WITH "ANTELOPE HWY" (138 EAST) TRAVEL ELY. ON "PEARBLOSSOM HWY," 3.7 MILES TO THE STATION SITE. STATION IS 36.5'± S OF THE ℄ OF HWY. 18.

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

Survey of GEODETIC CONTROL
JN 0301.00 Tape Std °F
Surveyed by D. C. Wilson
Notes C. APYLE Date 11/5/73
Indexed M. PALMER JUN 21 1974

F. B. 2461 PG. 239

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION
BCN. E1A

STATION MARK

A 4" CALIF. DIV. OF HWYS. BRASS DISC STAMPED: "MESCAL 1972" SET IN A 14" (ACROSS) OCTAGONAL SHAPED CONC. PAD, WHICH IS 2" ABOVE GRD.

SUB-SURFACE MARK

NONE SET

REFERENCE MARKS

RM 1: A 4" CALIF. DIV. OF HWYS. BRASS REFERENCE MARK DISC STAMPED: "MESCAL RM NO 1 1972" SET IN A 14" (ACROSS) DIAGONAL SHAPED CONC. PAD WHICH IS 1" ABOVE GRD.

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

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16F309S CE#310 3-69

F. B. 2361 Pg 240

L. A. COUNTY SURVEY CONTROL SYSTEM
TRAVERSE STATION

BCN E1A

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F.B. 2461 Pg. 241

Profile No. | Notes Red | Plotted | Job No. 0301.00 | Division No.
Date | Date | Survey of GEODETIC CONTROL
X-Sec. No. | Notes Chkd. | Checked | Survey by RCW | Notes RMC | Date 1-15-73
Date | Date | Map No. | Indexed T. M. PALMERI | Date JUN 21 1974

BONEYARD CANYON
E 1 A

DIFFERENCE IN ELEVATION
RM1 & RM2

JOB No. 0301.00
1-15-73

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

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76-L-298 CE 307 2-63

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F. B. 2461 Pg. 242

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

Survey of _____ Notes Cockerham Date 1-15-73 Date _____ No. _____ X-Sec.

Survey by WILSON Notes _____ Notes Chkd. _____ Checked _____ No. _____

Indexed J. M. PALMER Date JUN 21 1974 Date _____ Date _____

STATION	B. S.	H. I.	F. S.	ELEV.		
BM106-146A	3.212	103.212		100.000		Assumed elevation
RM1	3.554	103.058	3.708	99.504		
RM2	4.657	103.145	4.570	98.488		
BM106-146A			3.135	100.010		T Fisher

F.B. 2461 Pg 23

Profile No. | Notes Red | Plotted | Job No. 0301.00 Division No. 11
Date | Date | Survey of Geodetic Control
X-Sec. No. | Notes Chkd. | Checked | Survey by R.C. Wilson Notes D.H. Fuss Date 1-17-73
Date | Date | Map No. | Index T. M. PALMERI Date JUN 21 1974

DIFFERENCE IN ELEVATION
FOR

EL MIRAGE R15 & R15A

0301.00 1-17-73

COCKERHAM T
FISHER
FIOREK /

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

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76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.		
BM 704-45	6 268	106 268		100 000	2½" Brass disc 6" conc post San Bernadino Co. Surveyor	"BENCH MARK NO. 704-45 1968"
T.P.	8 950	111 960	3 258	103 010		
RM 1	6 800	112 316	6 444	105 516	EMI R15 (JENNINGS) RM 1	Calif Div. Hwys FB 2461-221
EMI R15	2 503	112 829	1 990	110 326	EMI R15 (JENNINGS)	Calif Div. Hwys FB 2461-221
EMI R15A	0 635	110 170	3 294	109 535	EMI R15A (BEEK)	Calif Dept Water Res. FB 2461-221
T.P.	3 733	106 750	7 153	103 017		
BM 704-45			6 741	100 009	Assumed 100,000' see line 1 above	

F.B. 2461 Pg. 244 Job No. 301.00 Division No. 11 Notes Red Plotted Profile
Survey of Geodetic Control Date 1-17-73 Date No. X-Sec.
Survey by R.C. Wilson Notes DH Fisher Notes Chkd. Checked No.
Indexed T. M. PALMERI Date JUN 21 1974 Date Date