tes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 5
p No.	JN 0302.01 Tape 131 24D Std 84 °F
fice Work	Surveyed by R.L. STRADER
cked	Notes R.L.S. Date 5-77
w 11-23-77	Indexed by SEP 29 1977

AZUSA AREA SECTION LINES

J.N. 0302.01

etracement of Section 21 and retracement of a
ion of Section 22 in T.1N., R.10W, and re-
ment of any lost or obliterated corners.
etracement of Rancho Azusa Duarte Line from intersection
West line of Section 21 to re-established Station #8,
ecovery of these corners in conjunction with above
tioned survey. All recovered monuments are in
condition.

S.W. Cor. Sec. 23, T.1N., R.10W per C.S.B. 908-1,
C.S. 7999-1, F.B. 1199-82, 83.
West 1/4 Cor. Sec. 23, T.1N., R.10W. per F.B. 405-22,
F.B. 1199-99
South 1/4 Cor. Sec. 23, T.1N., R.10W. per F.B. 1199-83,
R.S. 79-69

rence

105
773
772-1
73
745
481
146
b. 22671
ontrol
478-47
a-50
ontrol
734
94

Survey Party

R. Strader
J. Falsey
D. Boxeth
E. Moya

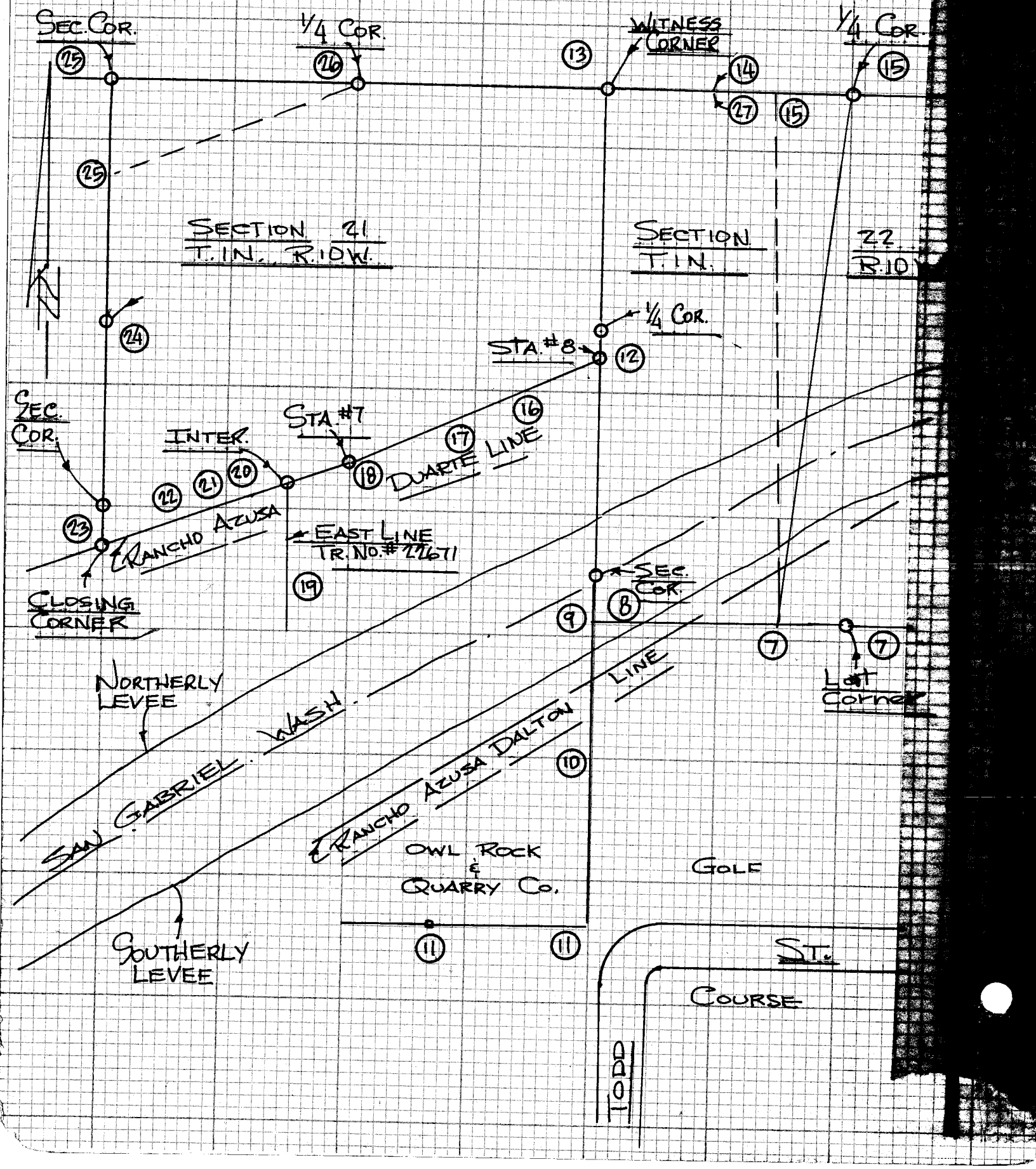
Extra Crew for '2' Helicopter Flights

V. Crowe
H. Spriggs
M. Wacker
N. Smith
P. Beasley
R. Moore

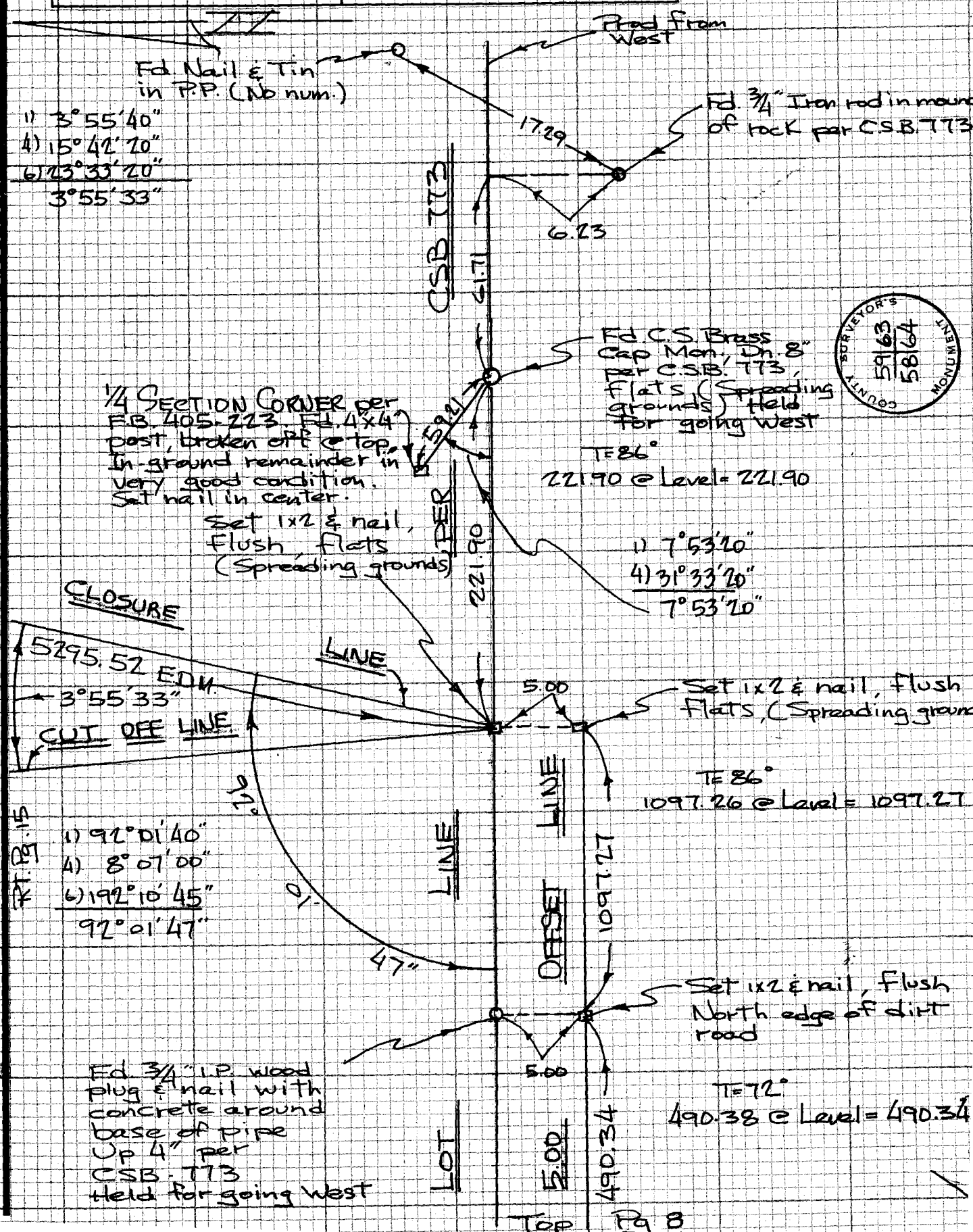
Microfilmed 90-dy.

F.B. 4407 PG. 6

INDEX MAP



Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 7
Map No.	JN 0302.0 Tape 131 Std 84 °F
Office Work	Surveyed by R.L. STRADER
Checked	Notes R.L.S. Date 3-11-77
Date 11-23-77	Indexed T. M. PALMERY SEP 29 1977



COUNTY SURVEYOR'S MONUMENT 59/63 58/64

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

W.S. 47 B-1

Do not extend notes this side of this line

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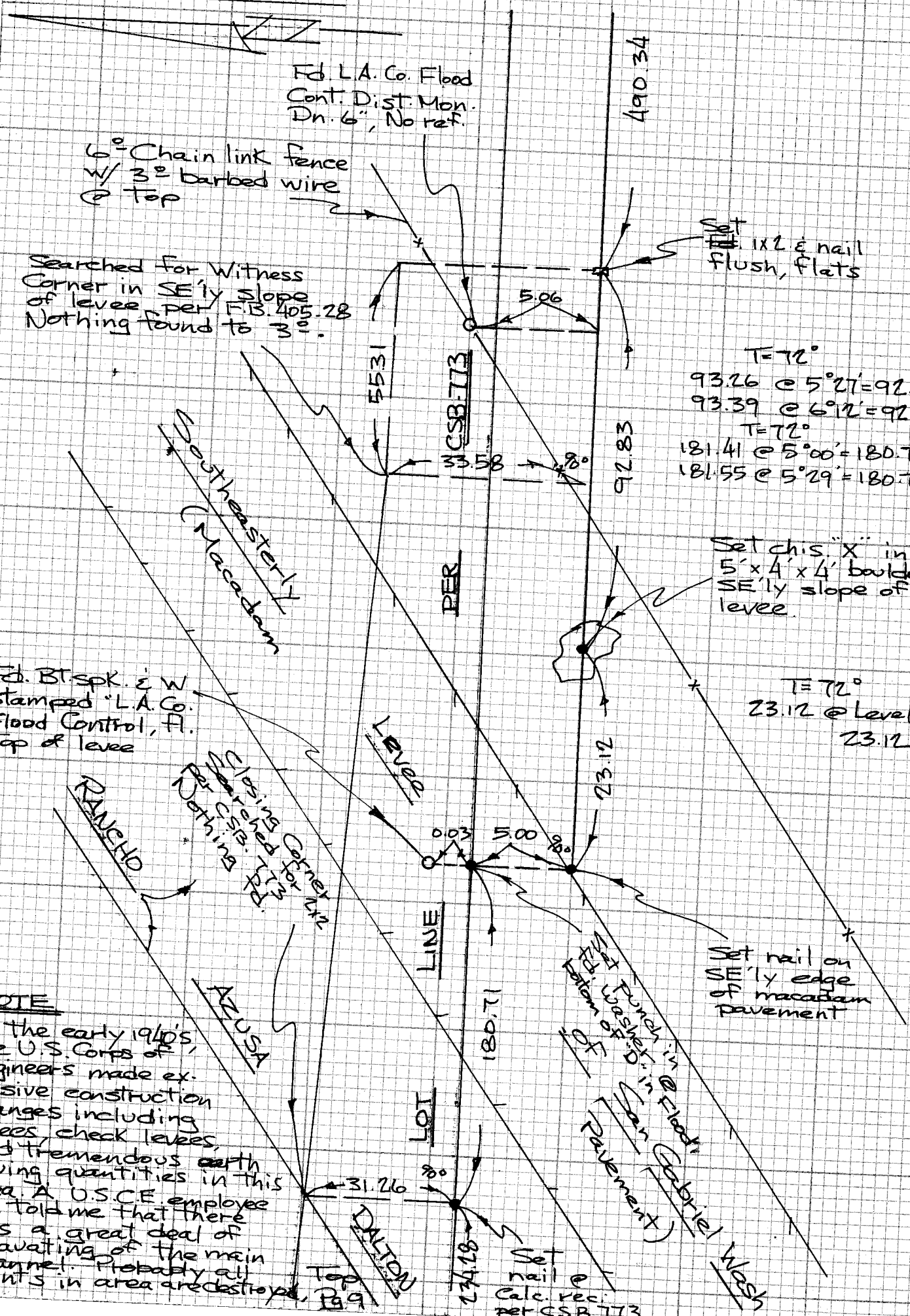
CENTERLINE NOTES
CE 310
76F3095-4/73

F.B. 4407 PG. 8

Bot Pg 7



NOTE

the early 1940's, e U.S. Corps of gineers made ex- sive construction anges including ees, check levees, d tremendous earth ving quantities in this a. A U.S.C.E. employee told me that there s a great deal of avating of the main annel. Probably all nts in area are destroyed.

CE 310
76F3095-4/73

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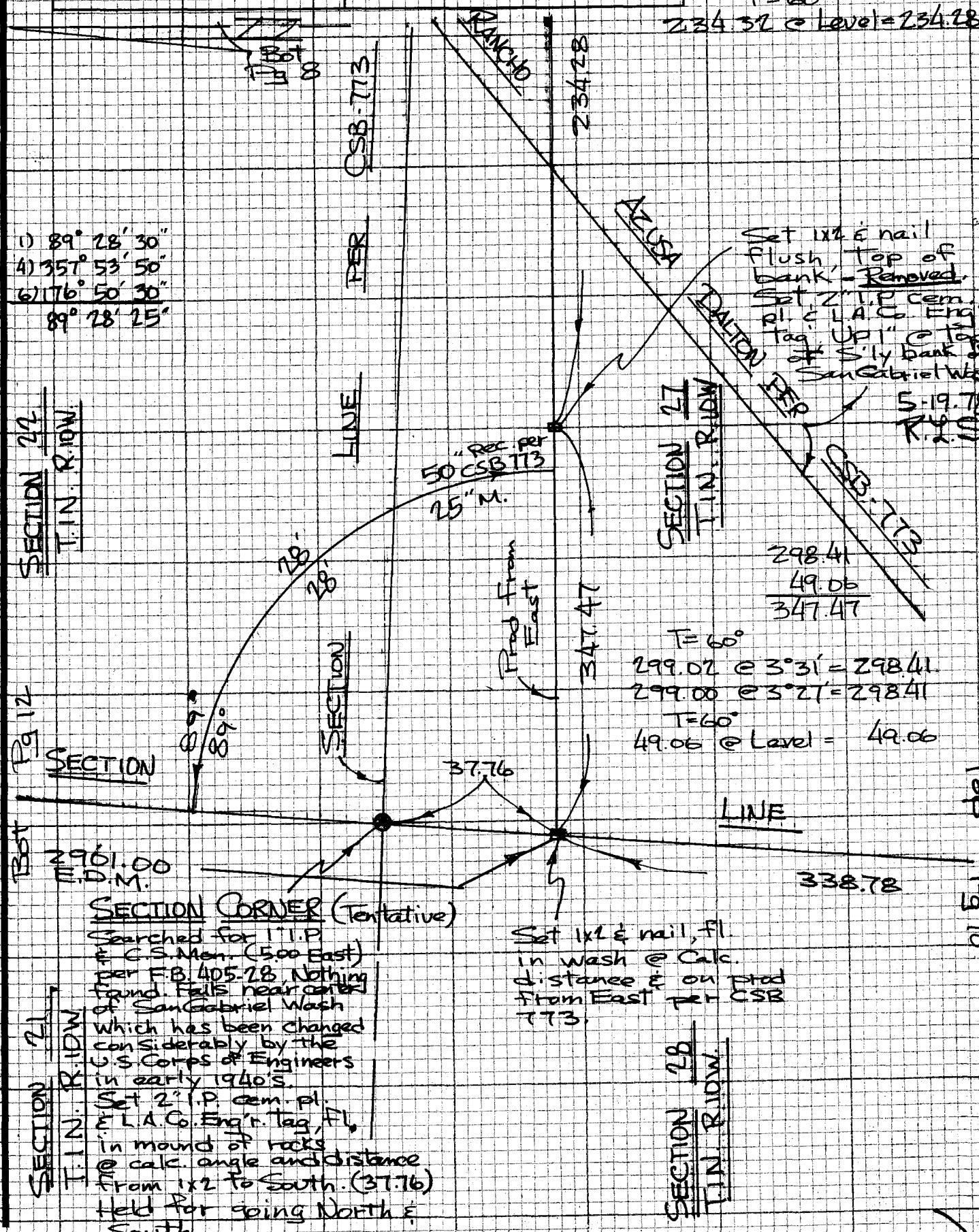
Notes Ck'd by E. Duvernay
Map No.
Office Work
Checked
Date 11/23/77

Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 9
JN 0302.01 Tape 131 Std 84 °F
Surveyed by R.L. STRADER
Notes R.L.S. Date 3-15-77
Indexed L. M. PALMER SEP 29 1977



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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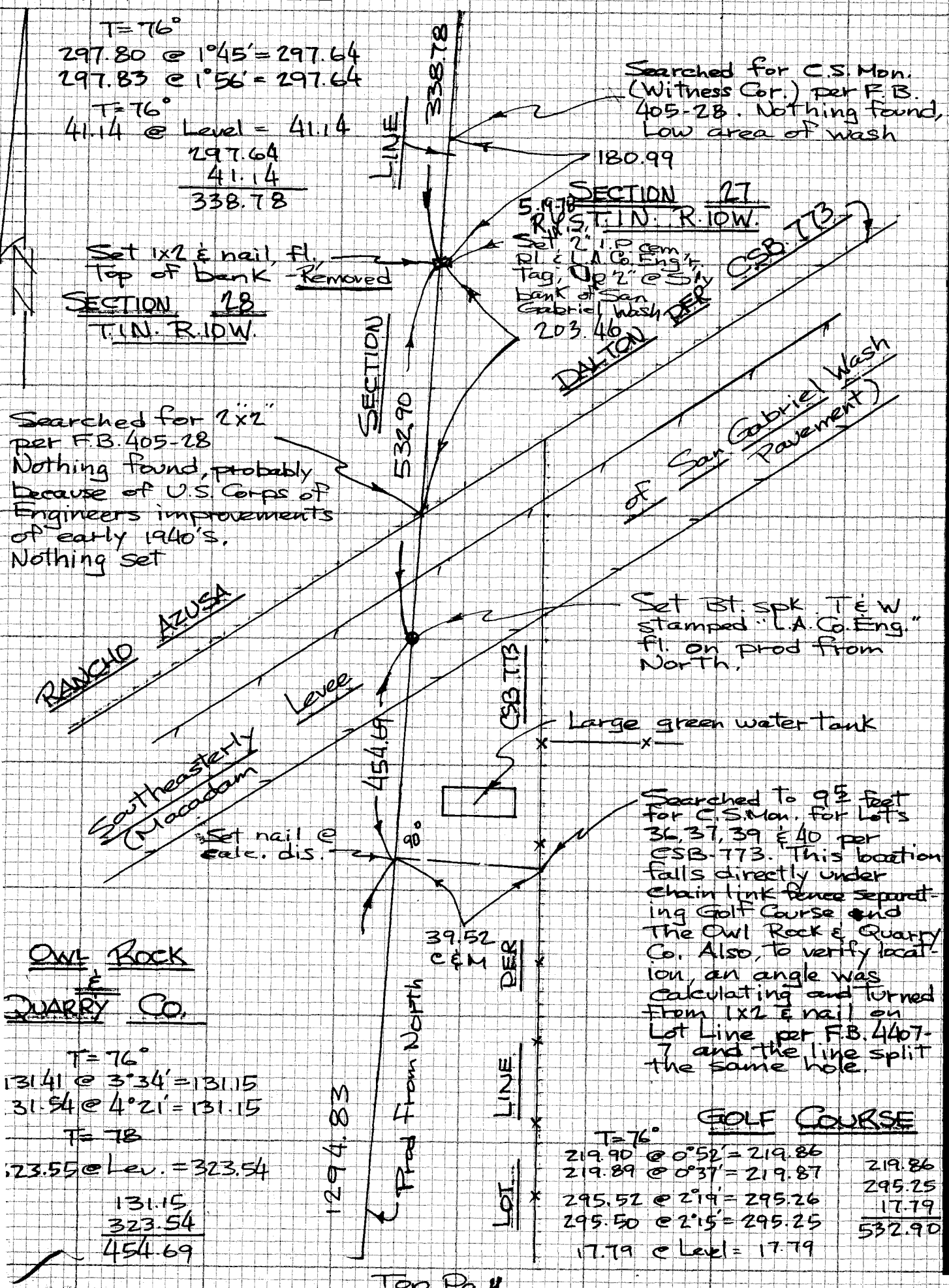
CE 310
76F3095-4/73

F.B. 4407 PG. 10

Rt Pg 9



Top Pg 11

CE 310
76F3095-4/73

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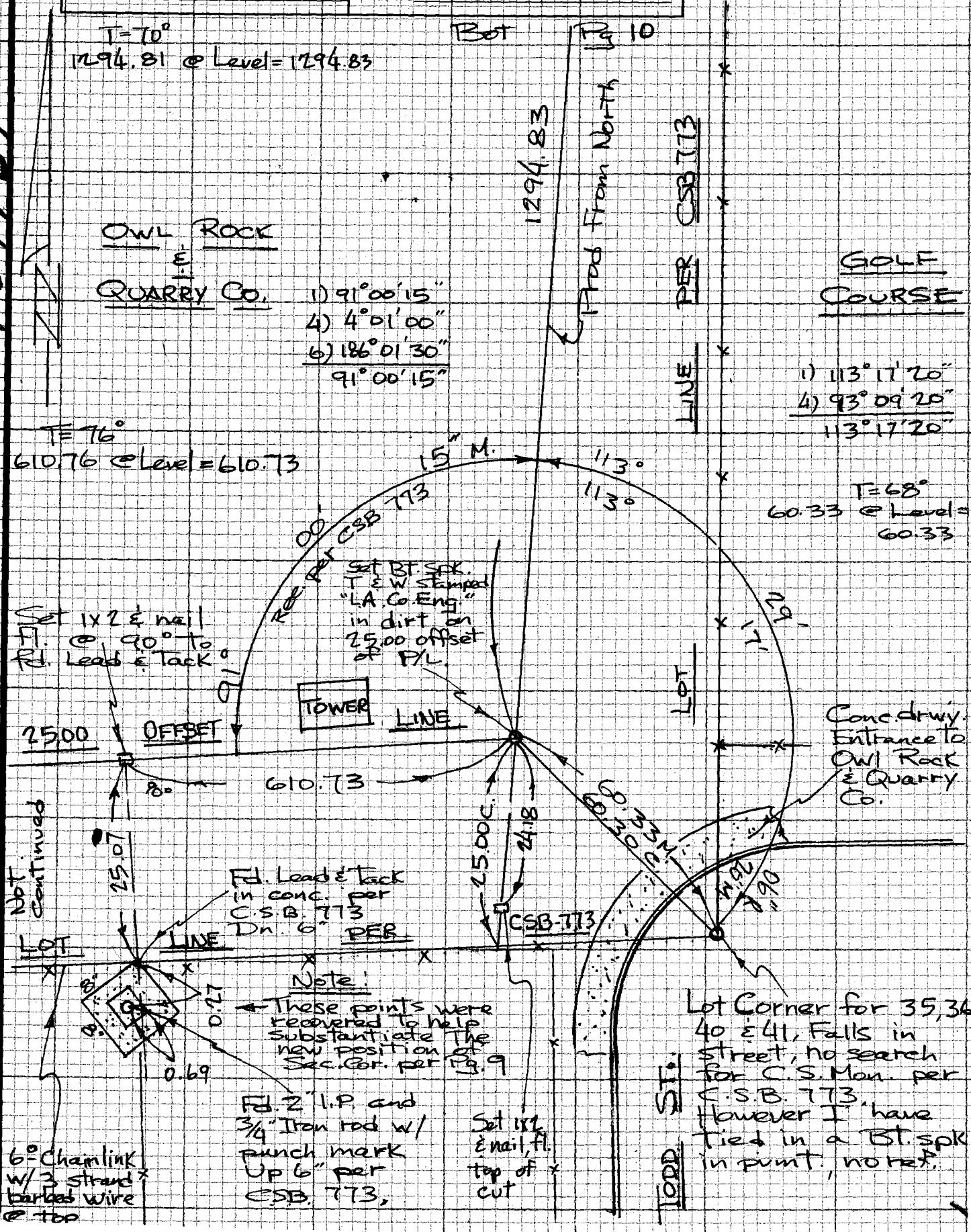
WS 47 B-1

Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 11
Map No.	JN 0702.01 Tape 0260 Std 68 °F
Office Work	Surveyed by R.L. STRADER
Checked	Notes R.L.S. Date 3-22-77
Date 11-23-77	Indexed E. M. PALMERI SEP 29 1977



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CENTERLINE NOTES
CE 370
76F3095-4/73

F.B. 4407 PG. 12

T=62 Remeasured 5-24-78 RLS

123.46 @ 32°33' = 104.05
123.82 @ 32°48' = 104.06
T=62
117.88 @ Lev. = 117.86

T=64°
227.72 @ 19°43' = 214.34
227.52 @ 19°34' = 214.35
T=64°
7.56 @ Level = 7.56

214.35
7.56
221.91

Set Lead & L.A. Co. Eng'r. Tag in Top of 3" x 3" x 4" boulder.

Note
Searched for all points in vicinity of reservoir per C.S.B. 772. Nothing found. Estimates of fill dirt in this area range from 15' to 50'.

Bot Pg 13

2086.04 E.P.M.

LINE

FISH CYN. CREEK

Set 2" I.P. cem. pl. & L.A. Co. Eng'r. Tag Fl. in benched-out area of spur

0.03

Set 1x2 & nail Fl., top of spur (Removed)

SECTION 22
T.1N. R.10W.

GUN RANGE

W5471 B-1

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CE 310
75F 3095 4 '73

5-24-78 RLS
Set 2" I.P. cem. pl. & L.A. Co. Eng'r. Tag Fl. on sidehill w/ 2" marker pipe 3' w'ly.

1/4 SECTION CORNER (TENTATIVE)
Nothing found of 2" I.P. or Co. Sur. Mon. Witness Corners per C.S.B. 772. Set 2" I.P. cem. pl. & L.A. Co. Eng'r. tag, Dn. 2" in fence post footing by proportion and on line between re-established Sec. Cor. to South and 0.38' East of Sec. Cor. (Wit.) to North, per F.B. 473-155, 157. 1969 flood and subsequent earth filling in area have probably either destroyed or covered up original points. See Walsh-Forkert Civil Engineers Inc. Plat Survey, Drawing No. A-841-1.

End of fence

30°

221.91

117.86

30.95

3.00

90°

59.93 rec.

Set 1x2 & nail, flush

73.9 BL

Set 1x2 & nail

57.99 C.E.M.

C.E.M. 3.57

Set Lead & L.A. Co. Eng'r. tag in top of 2" x 3" x 3" boulder

Set 1x2 & nail (Removed)
Set 2" I.P. cem. pl. & L.A. Co. Eng'r. Tag, Dn. 6"

SECTION 21
T.1N. R.10W.

1) 57°04'50"
4) 228°19'30"
6) 342°29'20"
57°04'53"

5-24-78 RLS

Bot Pg 16

~~48.96~~
188.96

AZUSA LINE

RANCHO DUARTE

57°

04'

53"

SECTION LINE

45.0'±

OFFSET

STATION No. 8
RANCHO AZUSA DUARTE (Tentative) Nothing found of 2" I.P. & Brass Cap per C.S.B. 772. Set 2" I.P. cem. pl. & L.A. Co. Eng'r. Tag, Dn. 20" directly under fence post rec. dis. 59.93' from 1/4 Sec. Cor. and on re-established line.

6" Chain link fence and approx. Rancho Line

3.00

3.00

2901.08 E.P.M.

T=68°
58.00 @ Level = 57.99

Set 1x2 & nail flush. For angle turning only

Lt Pg 9

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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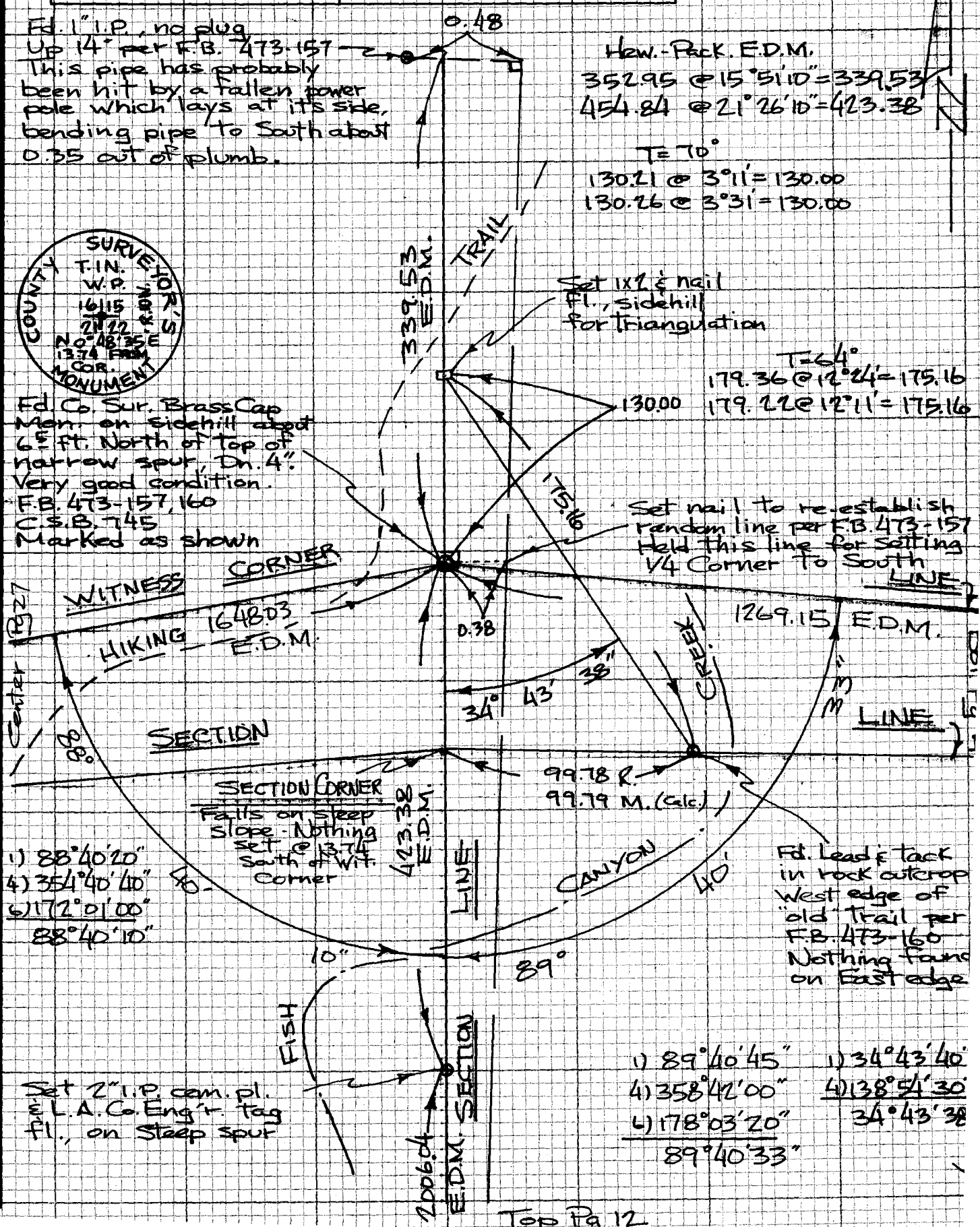
Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 13
Map No.	JN 030201 Tape 240 Std 84 °F
Office Work	Surveyed by R.L. STRADER
Checked	Notes R.L.S. Date 5-4-77
Date 11-23-77	Indexed L. M. PALMERI SEP 29 1977



Top Pg 12

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WS 13, C-4

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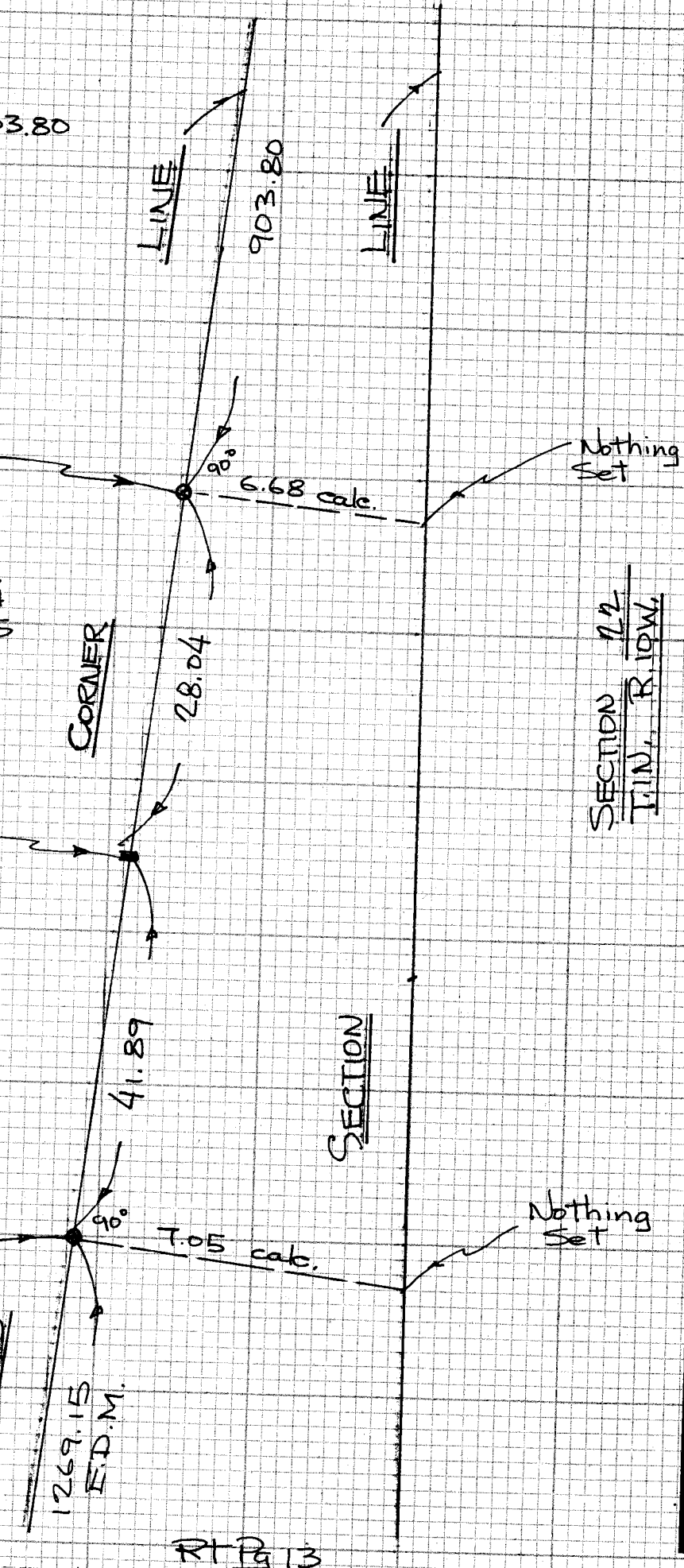
CENTERLINE NOTES
CE 310
76F3095-4/73

Bot Pg 15

F.B. 4407 PG. 14

Hew.-Pack. E.D.M.
930.74 @ 13°49'10" = 903.80



Set 2" I.P. cem. pl. & L.A. Co. Eng'r. Tag, Up 2" on East side of main ridge approx. 9° feet below Summit, w/2" marker pipe 5° North.

SECTION 15
T.1N. R.10W.

T = 72°
29.42 @ 17°39' = 28.04
29.18 @ 16°00' = 28.05

Set 1x2 & nail, Up 4", Top of main ~~sp~~ ridge

T = 72°
42.59 @ 10°23' = 41.89
42.48 @ 9°31' = 41.90

Note: See F.B. 4407-27 for prod point from West (1" I.P.)

et 2" I.P. cem. pl. & L.A. . Eng'r. Tag, Up 2" on est side of main ridge pprox. 10 feet below ummit. This point ees directly to Witness rner in bottom of Fish xn. Set 2" marker pipe 5° North.

Hewlett-Packard E.D.M.
22.96 @ 33°34'50" = 1268.79
rrection applied = + 0.06
. angle over 30° 1268.85
Bracket to Barber Pole = + 0.30
1269.15

RT Pg 13

CE 310
76F3095 1/73

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Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 15
Map No.	JND302.01 Tape 240 Std 84 °F
Office Work	Surveyed by R. L. STRADER
Checked	Notes R.L.S. Date 5-11-77
Date 11-23-77	Indexed L. M. PALMERI SEP 29 1977

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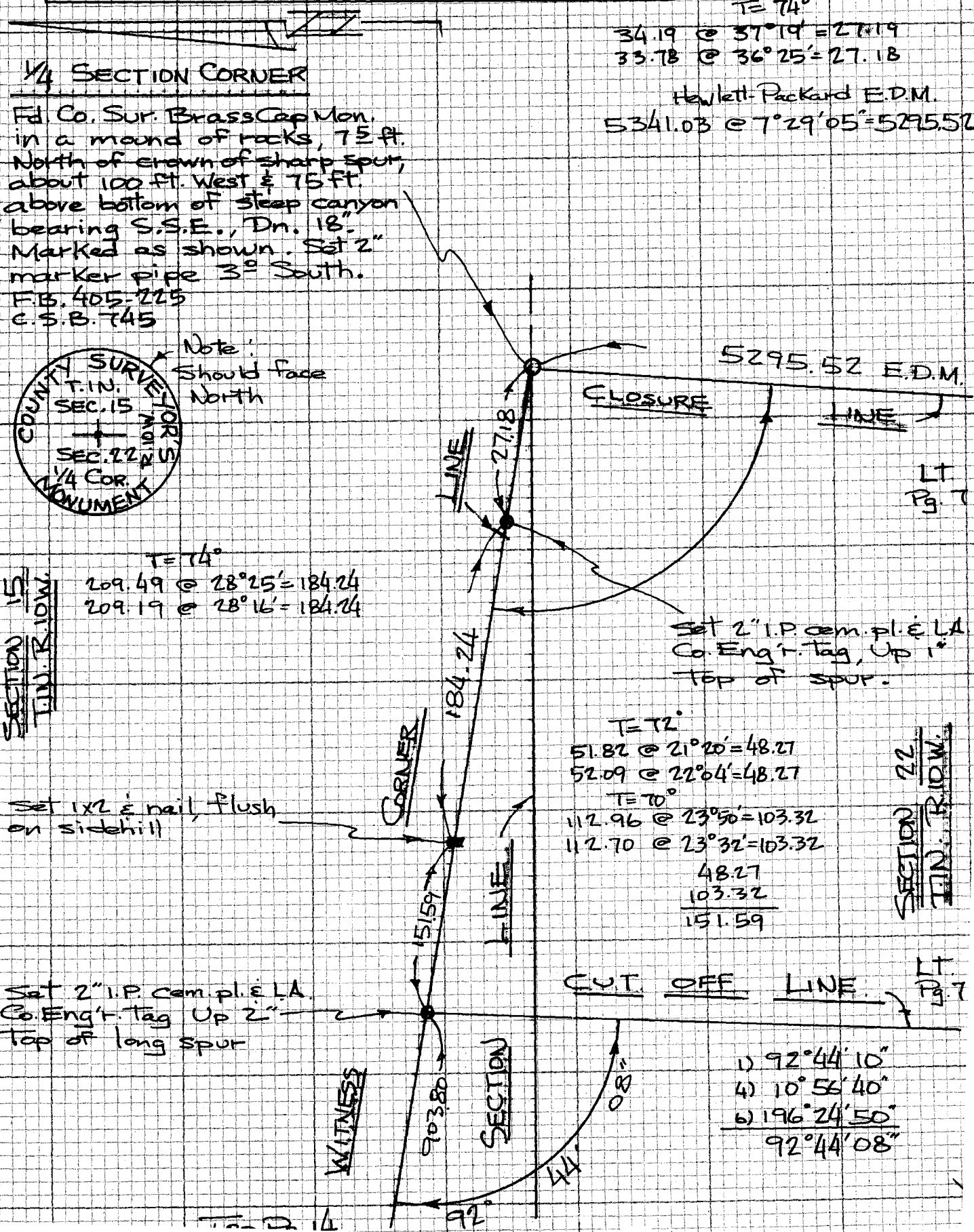
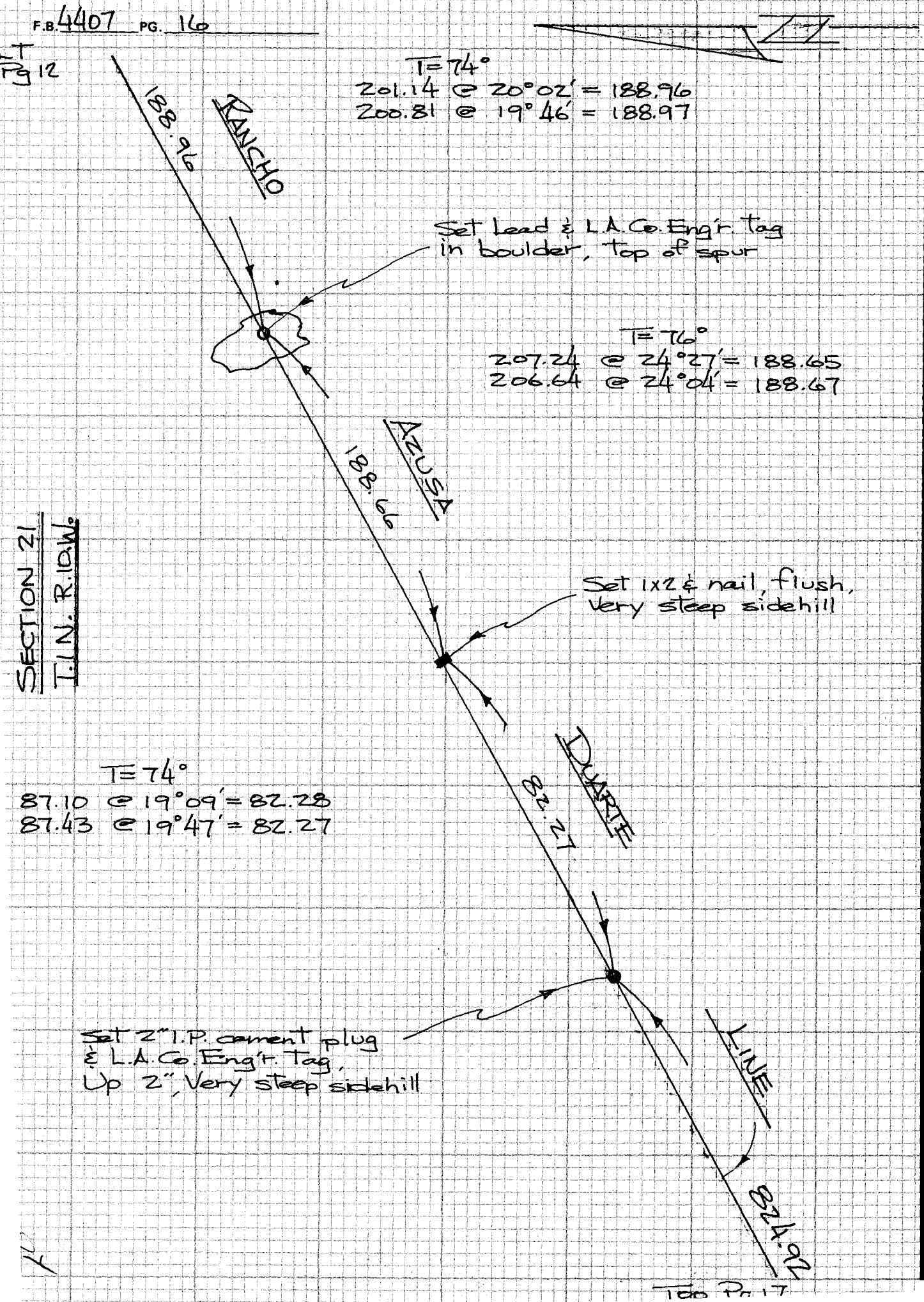
76F-3095-4/73



Pg 12



SECTION 21
T.1N. R.10W.

Top Pg 17

CE 310
76F3095-4/73
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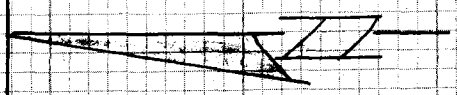
Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 17
Map No.	JN D302.01 Tape 186 Std 84 °F
Office Work	Surveyed by R.L. STRADER
Checked	Notes R.L.S. Date 5-17-77
Date 11-23-77	Indexed L. M. PALMERI SEP 29 1977



Bot Pg 16

Hewlett-Packard E.D.M.
840.30 @ 10°58'40" = 824.92

824.92 E.D.M.

RANCHO

19.10

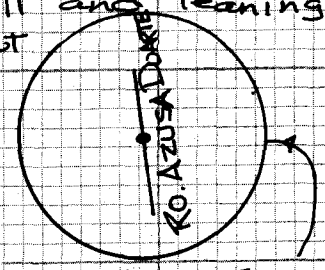
0.10

611.69 E.D.M.

AZUSA

Set 2" I.P. cem. plug & L.A. Co. Eng'r. Tag, flush on sidehill approx. 300' in elevation above Fish Cyn. Road.

Fd. 2" I.P. w/ Brass Cap marked as shown, Up 6" on sidehill and leaning downhill about 1 to 2 tenths out of plumb. No ref.



FRIEL & THOMASSON stamped on South Rim

SECTION 21
T.1N. R.10W.

Set 2" I.P. cem. pl. & L.A. Co. Eng'r. Tag Up 2" on Sidehill

Hewlett-Packard E.D.M.
612.27 @ 2°29'40" = 611.69
118.75 @ 9°07'10" = 117.25
411.84 @ 14°36'00" = 398.54

DUARTE

117.25 E.D.M.

LINE

Set 2" I.P. cem. pl. & L.A. Co. Eng'r. Tag Up 2" on Sidehill

398.54 E.D.M.

Top Pg 18

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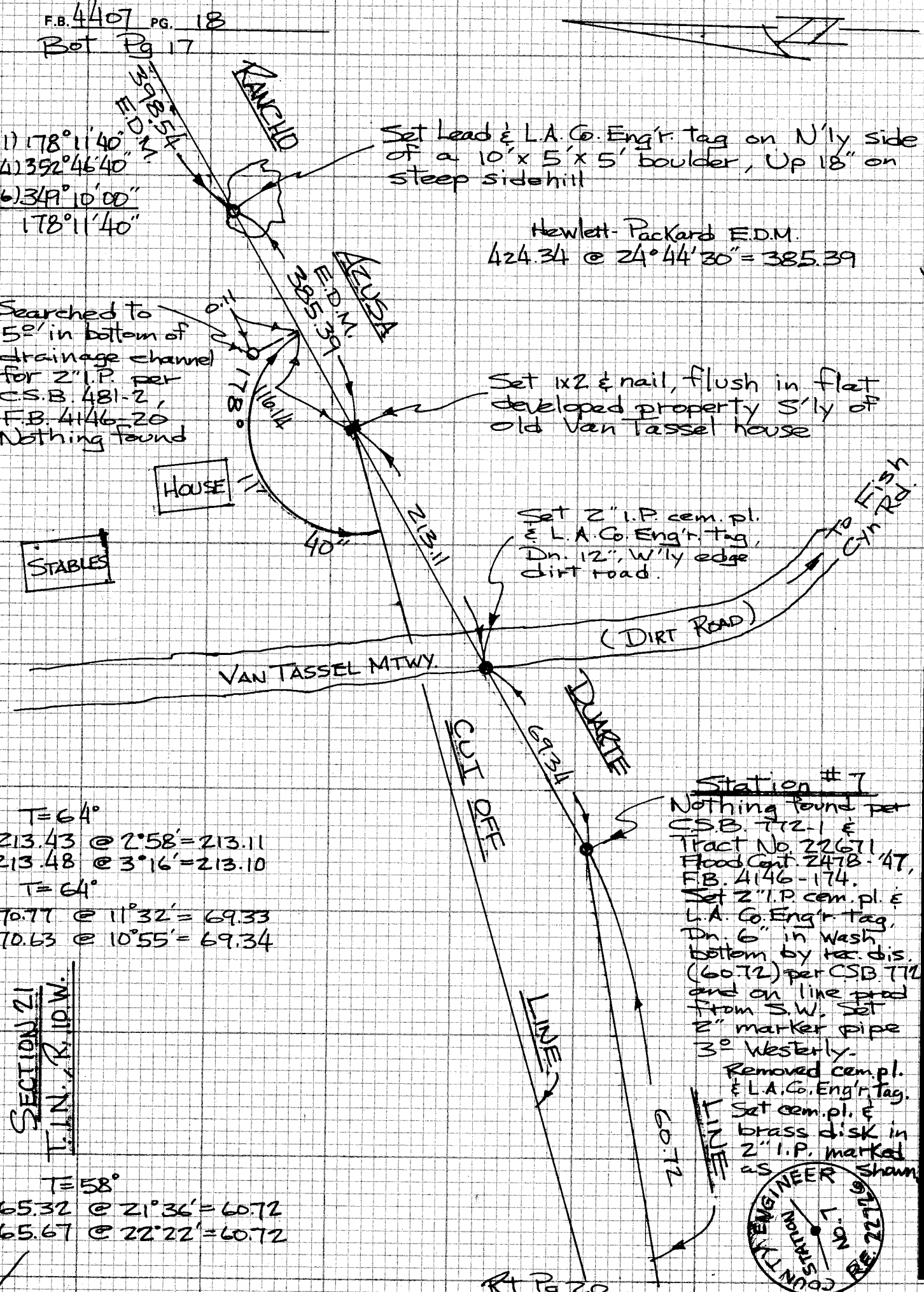
CENTERLINE NOTES
CE 310
76F-3095-4/73

F.B. 4407 PG. 18

Bot Pg 17



T = 64°
213.43 @ 2°58' = 213.11
213.48 @ 3°16' = 213.10
T = 64°
70.77 @ 11°32' = 69.33
70.63 @ 10°55' = 69.34

SECTION 21
T. 1 N., R. 10 W.

T = 58°
65.32 @ 21°36' = 60.72
65.67 @ 22°22' = 60.72

CE 310
76F 3095-4 '73

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Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 19
Map No.	JN 0302.01 Tape 131 Std 84 °F
Office Work	Surveyed by R.L. STRADER
Checked	Notes R.L.S. Date 4-18-77
Date 11-23-77	Indexed L. M. PALMERI SEP 29 1977

Bot Pg 20

T=80°
17.49 @ Level = 17.49
T=80°
63.18 @ Level = 63.18

CITY OF AZUSA BOUNDARY LINE

CITY OF DUARTE BOUNDARY LINE

CITY OF DUARTE BOUNDARY LINE

253.83

63.19 rec.
63.18 meas.

Fd. 1½" (I.D.) I.P. cem. pl. & R.C.E. # 10915 tag, Dn. 22" back side of conc. sidewalk per Tract No. 22671

Fd. 2" (I.D.) I.P. wood pl. & R.E. # 8122 fl, leaning 0.93 N. & 0.24 W. of final position. Set same pipe on prod & 17.49 from Northeast. No ref. Tract No. 22671 calls for 2" I.P. (This field has been disked)

17.49 R&M

BROOKRIDGE ROAD

Fd. 2" (I.D.) I.P. cem. pl. & R.C.E. # 10915 Tag, Dn. 24" per Tract No. 22671

288.16

LINE

Note discrepancy with record distance per Tract No. 22671 (287.80)

Fd. 1½" (I.D.) I.P. cem. pl. & R.C.E. # 10915 Tag. Dn. 14", back side of conc. sidewalk per Tract No. 22671. Pipe fd. 0.03 West of line.

TRACT No. 22671

T=74°
48.90 @ 13°05' = 47.63
48.59 @ 11°26' = 47.63
T=74°
240.93 @ 3°15' = 240.52
240.98 @ 3°22' = 240.54

47.63
240.53
288.16

54.79

Fd. Lead & Tack in conc. curb No ref.

13.15

T=74°
54.79 @ Level = 54.79

T=74°
13.15 @ Level = 13.15

FALLCREEK ROAD

Fd. 1½" (I.D.) I.P. cem. pl. & R.C.E. # 10915 Tag, Dn. 6", back side of conc. sidewalk per Tract No. 22671 Held for line to North

LOT

LOT 2 C.S.B. 481

LOT 1 SEC. 21
T. 1 N. R. 10 W.

LOT CORNER
2" I.P. per CSB 481 not found.
Flood Control Brass Cap Mon. per Tract No. 22671 not found to 4°
Also see L.S. 29-50

C.S.B. 481

LOT 1 SEC. 28
T. 1 N. R. 10 W.

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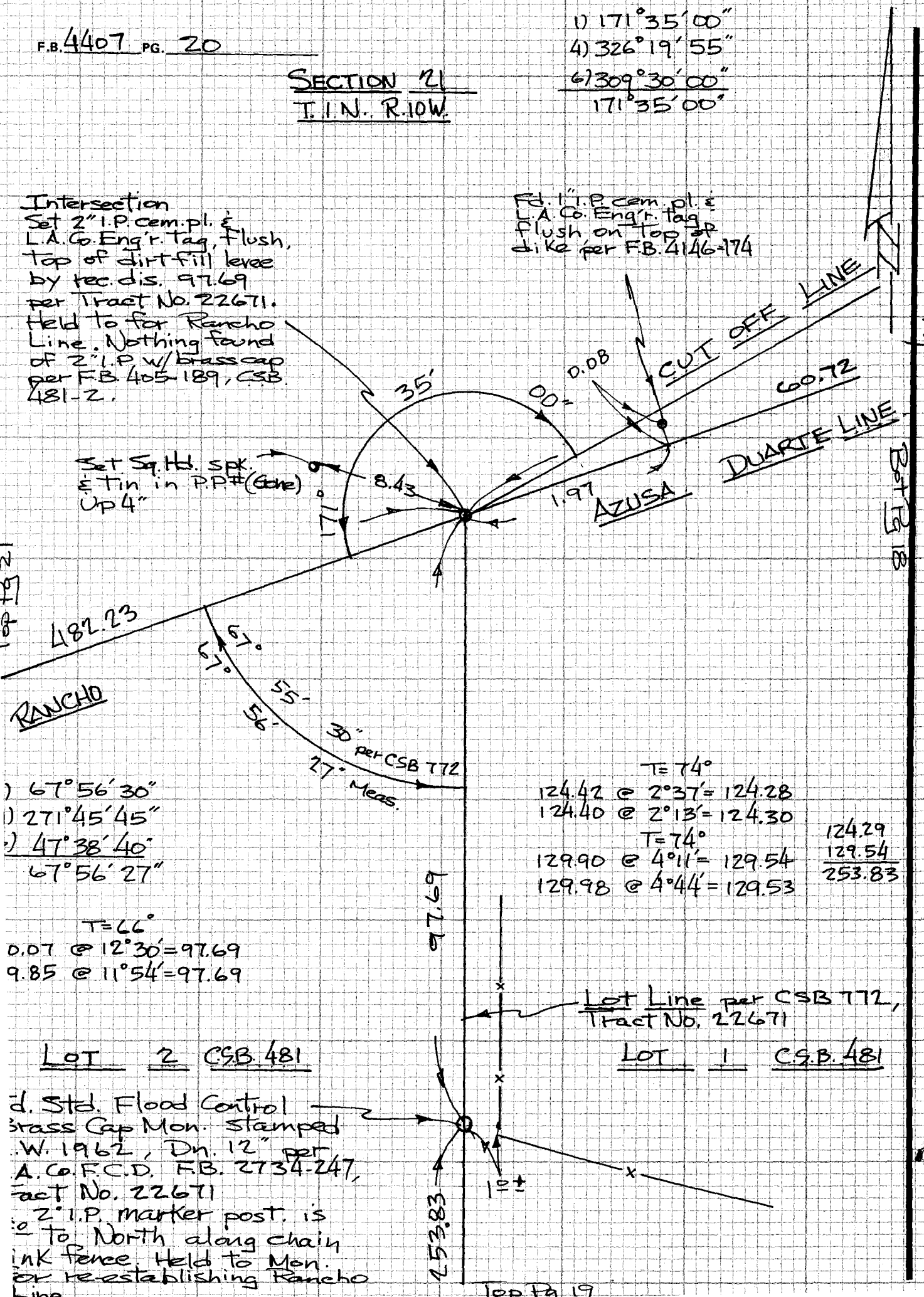
CENTERLINE NOTES
CE 310
76F3095-4/73

F.B. 4407 PG. 20

SECTION 21
T.1.N. R.10W.

1) 171°35'00"
4) 326°19'55"
6) 309°30'00"
171°35'00"



) 67°56'30"
) 271°45'45"
) 47°38'40"
67°56'27"

T=66°
0.07 @ 12°30'=97.69
9.85 @ 11°54'=97.69

T=74°
124.42 @ 2°37'=124.28
124.40 @ 2°13'=124.30
T=74°
129.90 @ 4°11'=129.54
129.98 @ 4°44'=129.53

124.29
129.54
253.83

Lot Line per CSB 772, Tract No. 22671

LOT 2 CSB 481

LOT 1 CSB 481

d. Std. Flood Control
Brass Cap Mon. stamped
.W. 1962, Dn. 12" per
.A. Co. F.C.D. F.B. 2734-247,
Tract No. 22671
2" I.P. marker post. is
to North along chain
ink fence. Held to Mon.
for re-establishing Rancho
Line

CE 310
76F3095-4/73

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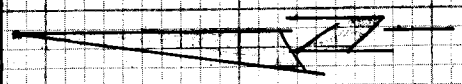
Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 21
Map No.	JN 0302.01 Tape 186 Std 84 °F
Office Work	Surveyed by R.L. STRADER
Checked	Notes R.L.S. Date 5-5-77
Date 11-23-77	Indexed L. M. PALMER SEP 29 1977



Lt Pg 20

482.23

Set 1x2 & nail, flush in field

T=64°
299.71 @ 4°12' = 298.87
299.63 @ 4°00' = 298.86
T=70°
183.67 @ 3°11' = 183.37
183.61 @ 2°53' = 183.36

183.36
298.87
482.23

T=66°
243.90 @ 1°34' = 243.78
243.87 @ 1°15' = 243.78
T=70°
65.44 @ 6°08' = 65.06
65.38 @ 5°39' = 65.05

RANCHO

243.78

Fd. 3"x4" redwood remains (no nail) with perimeter concrete per F.B. 405-108, 112, C.S.B. 972 flush in cactus sidehill. Set cement plug & L.A.Co. Eng'r. Tag in center (East-West direction) and 0.01 North of center on line between re-established points held to on Rancho Line.

SECTION 21
T.1N., R.10W.

AZUSA

65.05

35.54
~~29.51~~

Fd. 2" I.P. cem. pl. & brass nail, Dn. 6" on benched nose of cactus hillside 7'± above toe of slope per F.B. 4146-173, F.C. 2478-143.

Set 1x2 & nail, flush on cactus sidehill

T=72°
201.14 @ Level = 201.12

DUARTE

201.12

Set 2" I.P. cem. pl. & L.A.Co. Eng'r. tag flush on cactus sidehill

T=72°
299.61 @ 4°33' = 298.65
299.65 @ 4°38' = 298.65
T=72°
105.93 @ 5°26' = 105.44
106.07 @ 6°10' = 105.45

298.65
105.45
404.10

LINE

404.10

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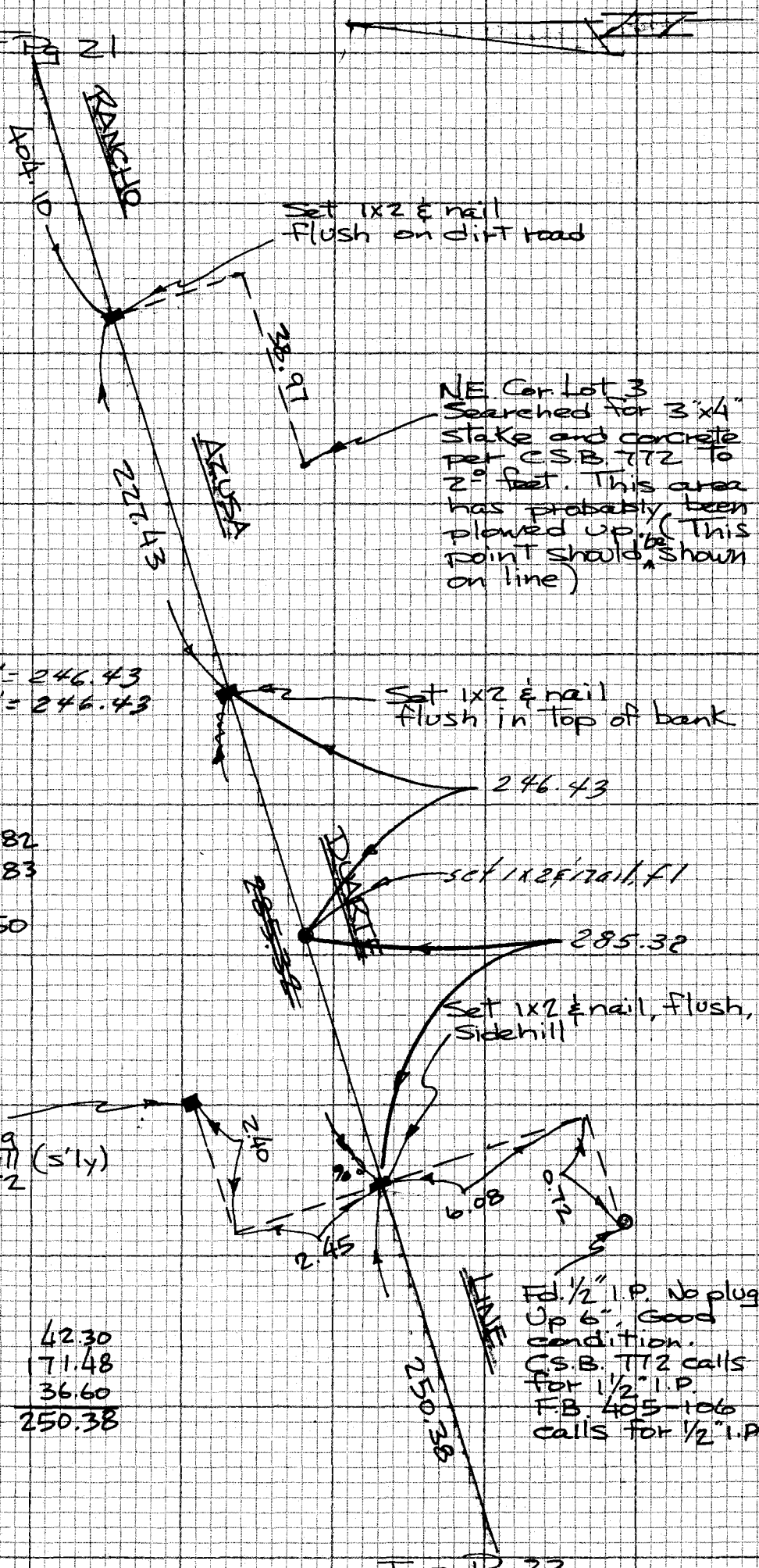
CENTERLINE NOTES
CE 310
76F-3095-4/73

F.B. 4407 PG. 22

Bot Pg 21



T=72°
122.75 @ 1°31' = 122.70
122.81 @ 2°18' = 122.70
T=72°
104.74 @ Level = 104.73

122.70
104.73
227.43

R.L.S.
246.48 @ 1°03" = 246.43
246.51 @ 1°19" = 246.43

SECTION 21
T.1N. R.10W.

T=74°
213.91 @ 1°36' = 213.82
213.93 @ 1°37' = 213.83
T=76
71.50 @ Level = 71.50

213.82
71.50
285.32

T=62°
42.44 @ 4°32' = 42.30
42.41 @ 3°58' = 42.30
T=62°
172.53 @ 6°17' = 171.47
172.50 @ 6°08' = 171.49
T=62°
36.76 @ 7°57' = 36.60
36.81 @ 6°09' = 36.60

42.30
171.48
36.60
250.38

CE 310
76F3095-73

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Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES
Map No.	JN 0302.01 Tape 186 Std 84 °F
Office Work	Surveyed by R. L. STRADER
Checked	Notes R.L.S. Date 5-5-77
Date 11-23-77	Indexed L. M. PALMER SEP 29 1977

F.B. 4407 PG. 23

Bot Pg 22

COUNTY ENGINEER 28 POT. RO A.D. R.E. 5969

Set 2" I.P. cement plug & L.A.Co. Eng'r. tag, flush, on cactus sidehill

Fd. Co. Eng'r. Brass Cap Mon. flush, on cactus sidehill w/2" marker pipe 2° East, per F.B. 1894-208. Mon. is marked as shown.

T=78°
159.29 @ 6°14' = 158.34
159.22 @ 6°00' = 158.34

T=78°
8.60 @ Level = 8.60

158.34
8.60
166.94

N 50°38' RANCHO

AZUSA

43" M.
10" R.

0.07

0.3' C.S.B. 745

1) 68°03'40"
4) 272°14'50"
6) 48°22'15"
68°03'43"

CLOSING CORNER

Falls under conc. block wall w/12" conc. footing, no furthur search. Set LA Co. Eng'r. tag in cement on top of block wall @ rec. distance of 103.33 & on line prod from North per C.S.B. 772-1, C.S.B. 745, F.B. 1894-200, 208.

BETTYHILL

House

House

DEERLANE DR.

SECTION LINE

186.84

103.33 REM

3.23

Set 1x2 & nail, flush, for turning angle

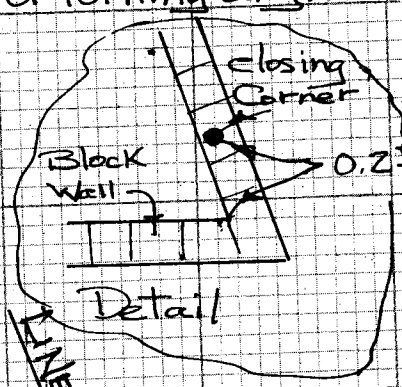
3.00 OFFSET

Bot Pg 24

T=70°
105.64 @ 12°01' = 103.32
105.79 @ 12°22' = 103.33

T=84°
248.18 @ 6°18' = 246.68
248.32 @ 6°36' = 246.67

RUBATE LINE



COUNTY SURVEYOR T. 1 N. R. 10 W. 20 21 29 28 R.E. 21

Fd. Co. Sur. Brass Cap Mon. on sidehill, flush, w/2" marker pipe 2° South, per F.B. 405-128B, F.B. 1894-200, 208. Mon. is marked as shown and is in very condition.

No Search for Mons. Sw'ly of Closing Corner because of residential housing, F.B. 1894-208

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CENTERLINE NOTES CE 310 76F-3095-4/73

Bot Pg 25

F.B. 4407 PG. 24

T=80°
53.20 @ 8°00' = 52.682
53.33 @ 8°56' = 52.683

Calc. 1882.585

2015.51 E.D.M.

0.90

1.92

Fd. 1½ I.P wood plug (No nail) Up 1" on side hill. No ref.

COUNTY ENGINEER T.1N. R.10W. 20 21 1/4 COR. R.E. 22726

1/4 SECTION CORNER (Pending Analysis)
Set Co. Eng'r. Brass Cap Mon., Up 1" by single proportion meas. with 2" marker pipe 3' to West.

$\frac{x}{2640} \cdot \frac{5282.63}{5280} = 2641.315$

SECTION LINE

52.685

LA 2

(5) (5)

Fd. 2" I.P. cem. pl. & L.A. Co. Eng'r. Tag flush, on side slope, 7'± N. of N. edge of dirt road, per F.B. 4146-66

SECTION 20
T.1N., R.10W.

43.68

T=80°
43.68 @ Level = 43.68

TASSEL

P.O.S.T.
Fd. 1" I.P. cem. plug & L.A. Co. Eng'r. tag, Dn. 10" per F.B. 4146-66

SECTION 21
T.1N., R.10W.

T=80°
36.56 @ Level = 36.56

36.56

MTWY.

Fd. Co. Eng'r. Brass Cap Mon., Dn. 18" per F.B. 1894-201 (P.O.T. #2), F.B. 4146-66, 67. Mon. is on left edge of Van Tassel Mtwy. (going up) w/ 2" marker pipe 5' South. Mon. marked as shown.

Hewlett-Packard E.D.M.
2482.94 @ 21°19'00" = 2313.07

2313.07 E.D.M.

COUNTY ENGINEER T.1N. R.10W. 20 21 P.O.T. R.E. 5869

Fd. 3/4" I.P. cem. plug & L.A. Co. Eng'r. Tag, Dn. 2", top of spur per F.B. 1894-200 (P.O.T. #1-N), F.B. 4146-67.

3.00

8.48

Set 1x2 & nail, flush.

Set 1x2 & nail, flush.

3.00 OFFSET LINE

186.84

LINE

T=70°
230.63 @ 35°53' = 186.84
231.56 @ 36°12' = 186.84

Lt Pg 23

CE 310
76F 3095-4/73

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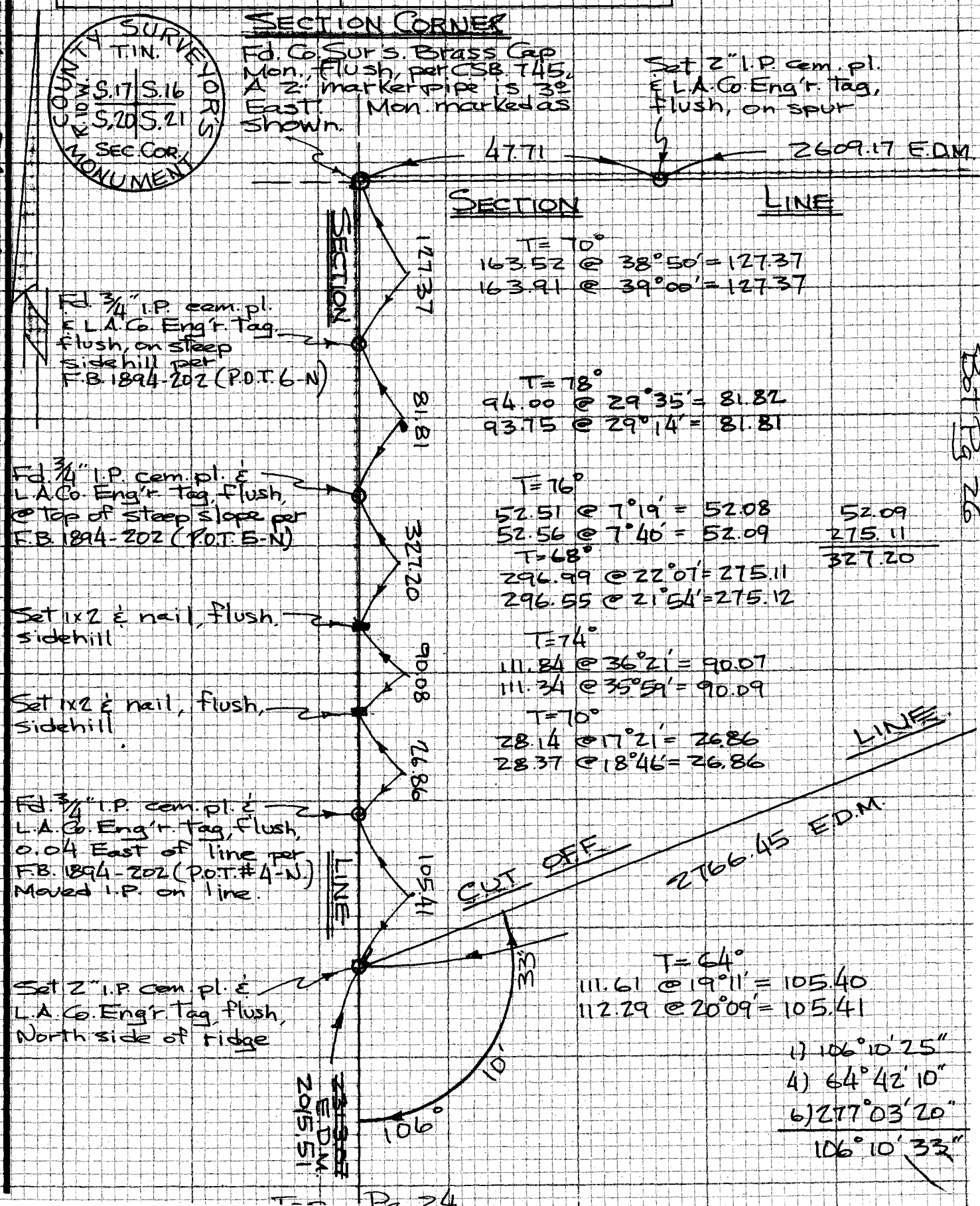
Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 25
Map No.	JN 0302.01 Tape 186 Std 84 °F
Office Work	Surveyed by R.L. STRADER
Checked	Notes R.L.S. Date 5-4-77
Date 11-23-77	Indexed [illegible] PALMERI SEP 29 1977

T=52°
49.51 @ 15°21' = 44.72
49.39 @ 14°55' = 44.71



T=70°
163.52 @ 38°50' = 127.37
163.91 @ 39°00' = 127.37

T=78°
94.00 @ 29°35' = 81.82
93.75 @ 29°14' = 81.81

T=76°
52.51 @ 7°19' = 52.08
52.56 @ 7°40' = 52.09

T=68°
296.99 @ 22°07' = 275.11
296.55 @ 21°54' = 275.12

52.09
275.11
327.20

T=74°
111.84 @ 36°21' = 90.07
111.34 @ 35°59' = 90.09

T=70°
28.14 @ 17°21' = 26.86
28.37 @ 18°46' = 26.86

T=64°
111.61 @ 19°11' = 105.40
112.29 @ 20°09' = 105.41

1) 106°10'25"
4) 64°42'10"
6) 277°03'20"
106°10'33"

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CENTERLINE NOTES
CE 310
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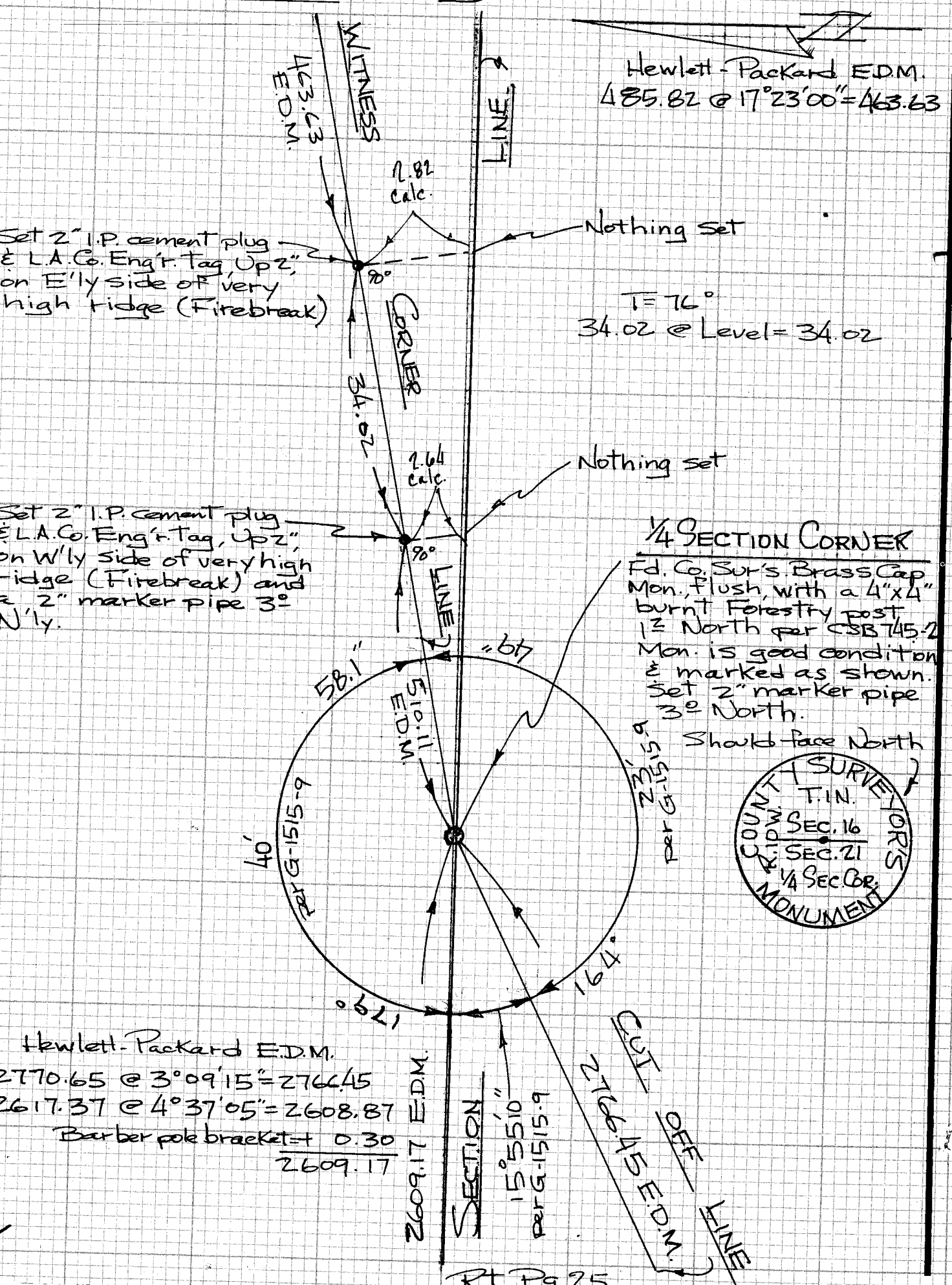
W.S. 13 c-4

Bot Pg 26

Top Pg 24

F.B. 4407 PG. 26

Bot Pg 27



Rt Pg 25

CE 310
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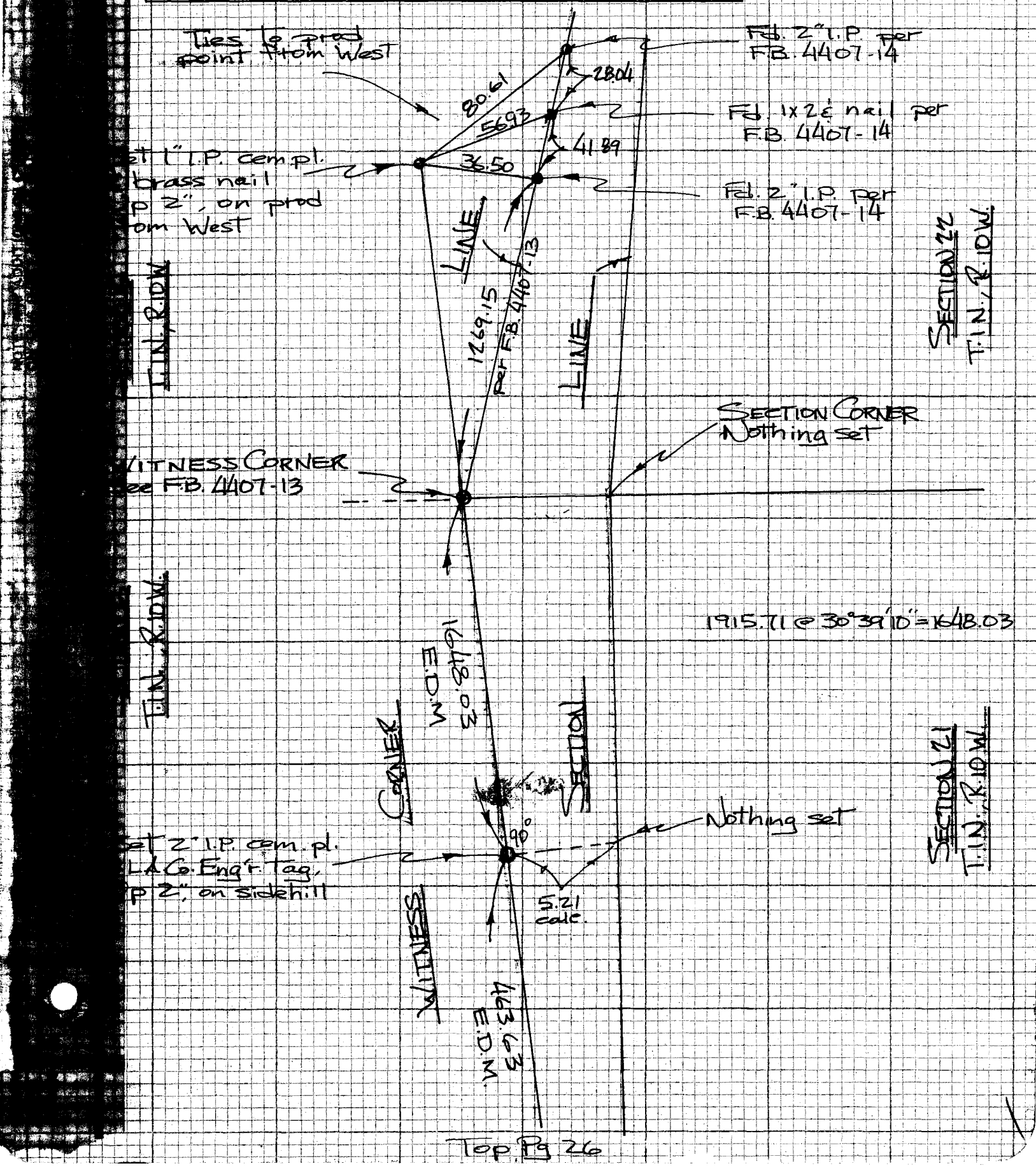
WS 13 C-4

Notes Ck'd by E. Duvernay	Survey of AZUSA AREA SECTION LINES F.B. 4407 PG. 27
Map No.	JN0302.01 Tape 140 Std 84 °F
Office Work	Surveyed by R.L. STRADER
Checked	Notes R.L.S. Date 5-11-77
Date 11-23-77	Indexed L. M. PALMERI SEP 29 1977



Top Pg 26