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

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape 49 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 12-10-73
Indexed by M. PALMERI MAY 9 1974

F. B. 4146 PG. 5

VAN TASSEL MOTORWAY J.N.0056.28

CENTERLINE SURVEY

SEE PG. 7 FOR DESCRIPTION OF WORK

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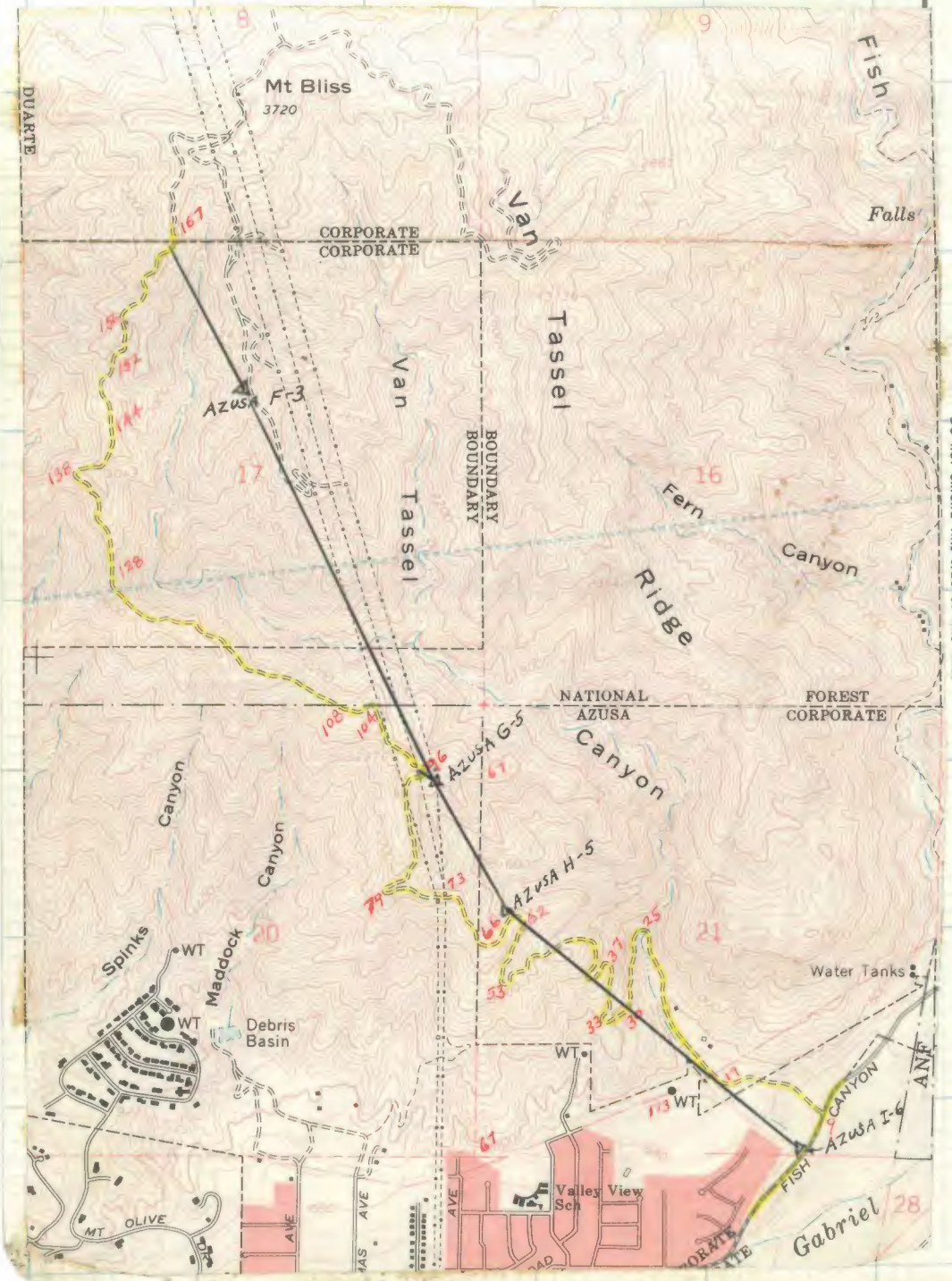
PARTY	REFS.
BROWN, L.L.	C.S.B. 481-2
MASSEY, R.G.	F.S. 3249
FISHER, L.O.	F.B. 1894
DOMINGUEZ, C.	F.C. F.B. 2734
	" F.B. 2478
	F.M. 20297-2, 3

76F3095 CE#310 3-68

F. B. 2146 Pg. 6

INDEX MAP



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Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0056:28 Tape 49 Sta 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 12-10-73
Indexed M. PALMER MAY 9 1974

F.B. 4146 PG. 7

VAN TASSEL MOTORWAY

J.N. 0056:28

SURVEY FROM STA. 0+00 (INT. OF DIRT ROAD AND FISH CN. RD.) TO STA. 27+00.51 E.C. IS ALONG THE CENTERLINE OF AN EXISTING DIRT ROAD IN LOS ANGELES COUNTY FLOOD CONTROL PROPERTY WITH THIS EXCEPTION. AT STA. 27+79.47 (B.C.) NLY. TO STA. 28+17.76 (B.C. OF CURVE NO. 9) THE DIRT ROAD VEERS OFF THE CENTERLINE SURVEY, SEE PAGE 179, 180. FROM STA. 28+17.76 TO THE END OF SURVEY, P.I.S WERE SET TO CONFORM WITH THE CENTER OF AN EXISTING DIRT ROAD, HAVING AN APPROXIMATE WIDTH OF 12 FEET (TRAVELED EDGE). THIS WAS ACCOMPLISHED BY MEASURING THE EXTERNAL DISTANCE AND DELTA ANGLE AND CALCULATING THE TANGENT DISTANCE, RADIUS AND LENGTH OF CURVE. WHERE APPLICABLE ANGLE POINTS WERE SET.

ZONE 7 TIES WERE MADE AT THE BEGINNING OF THE JOB, APPROXIMATELY MIDWAY AND AT THE END OF JOB.

INDEPENDENT CLOSURES WERE MADE IN THE FIELD AND ANGLES WERE ADJUSTED.

INTERSECTIONS WERE MADE WITH THE W'LY. LINE OF SECTION 21 T1N, R10W. AND THE N'LY. LINE OF SECTION 20 T1N, R10W. (NATIONAL FOREST BOUNDARY)

FOR RETRACEMENT SURVEY OF PORTIONS OF SECTION 17 T1N, R10W. SEE H. SOTO'S NOTES COMMENCING WITH PG. 185

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76F309S CE#310 3-69

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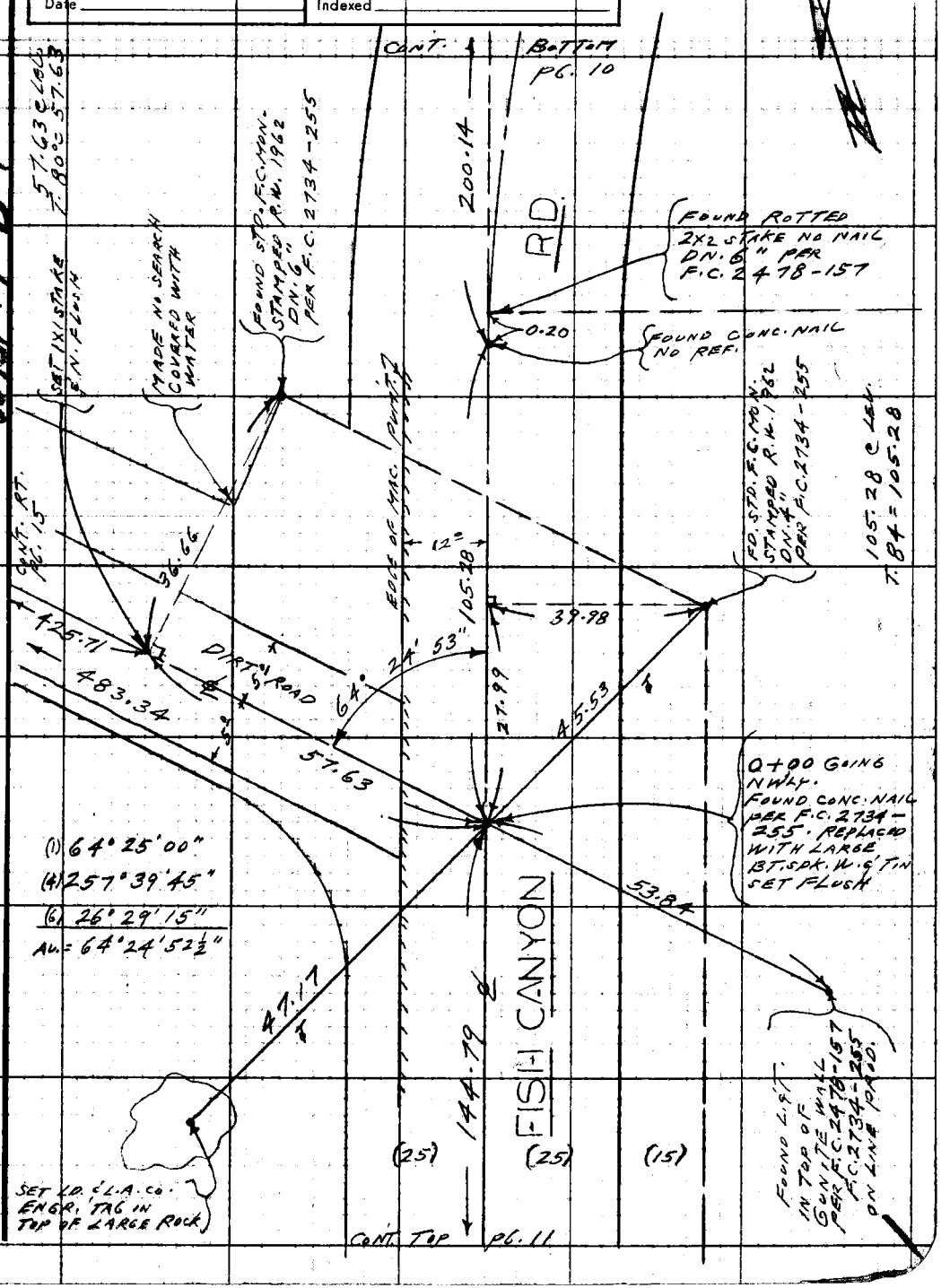
F. B. 4146 PG. 8

Notes Ckd. by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 9
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L.L. BROWN	
Checked	Notes L.L. BROWN Date 12-10-73	
Date	Indexed	



W.S. 47 B-1

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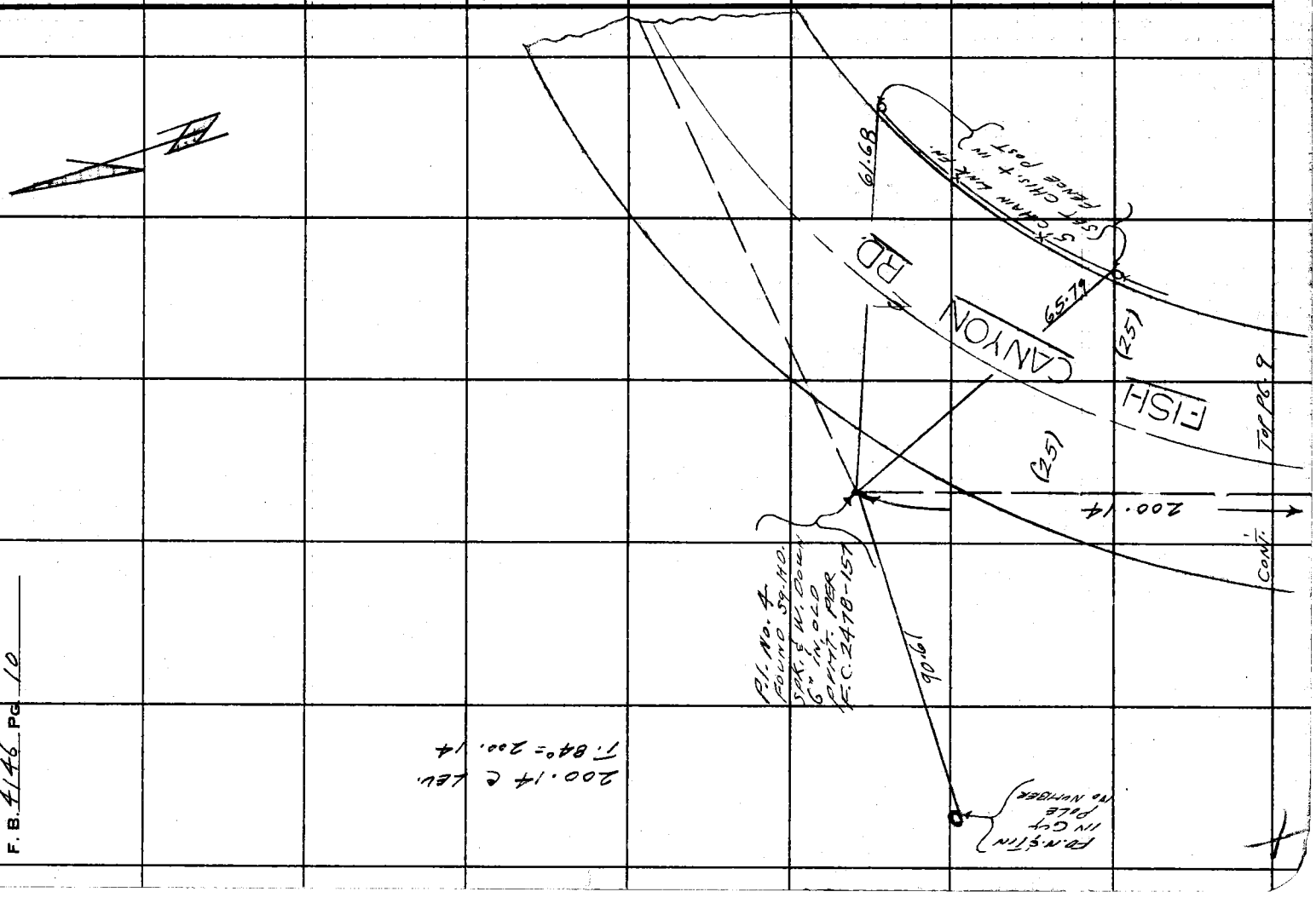
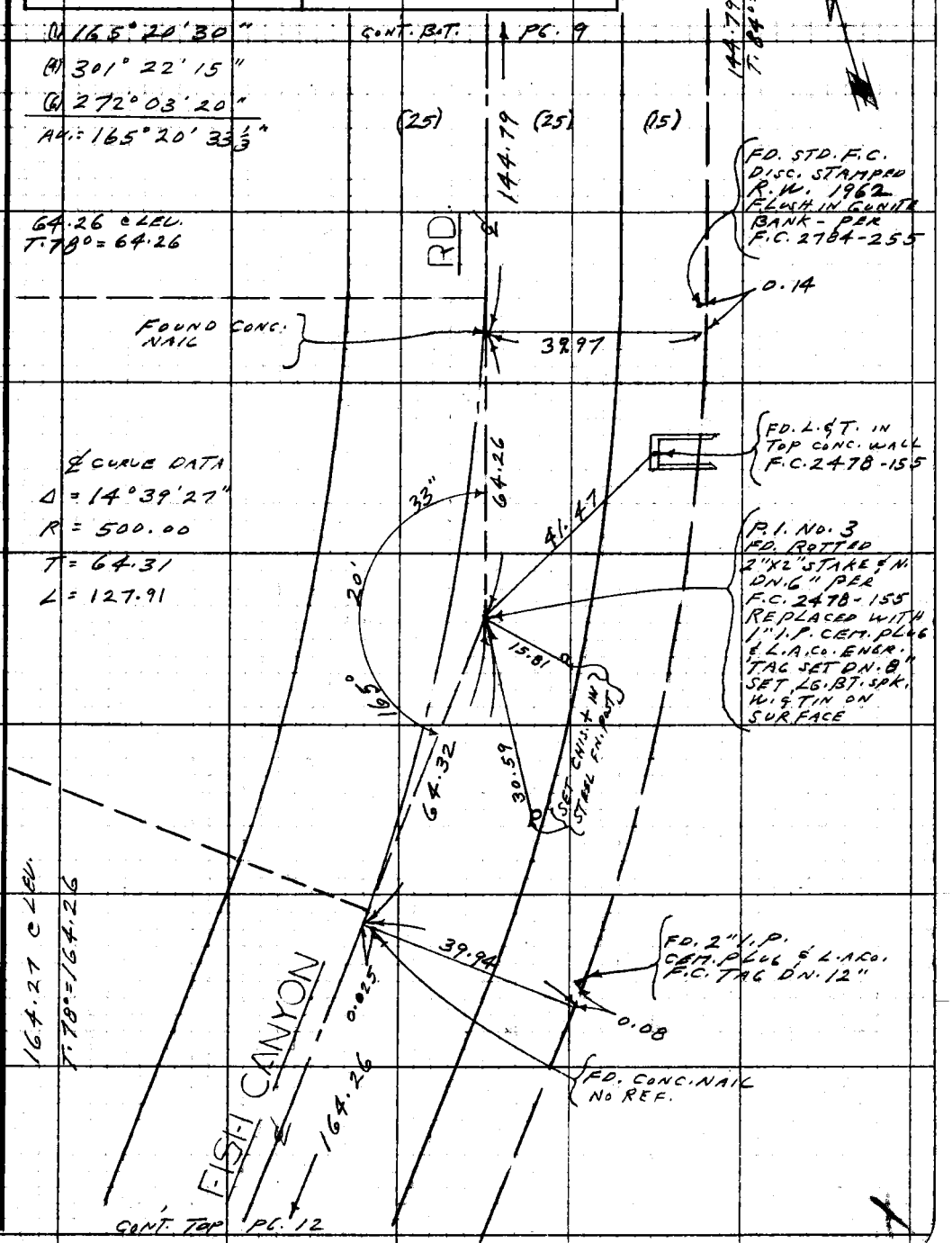


F. B. 4146 PG. 10

Notes Ckd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 11
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 4-17-74	
Date	Indexed M. PALMER MAY 9 1974	



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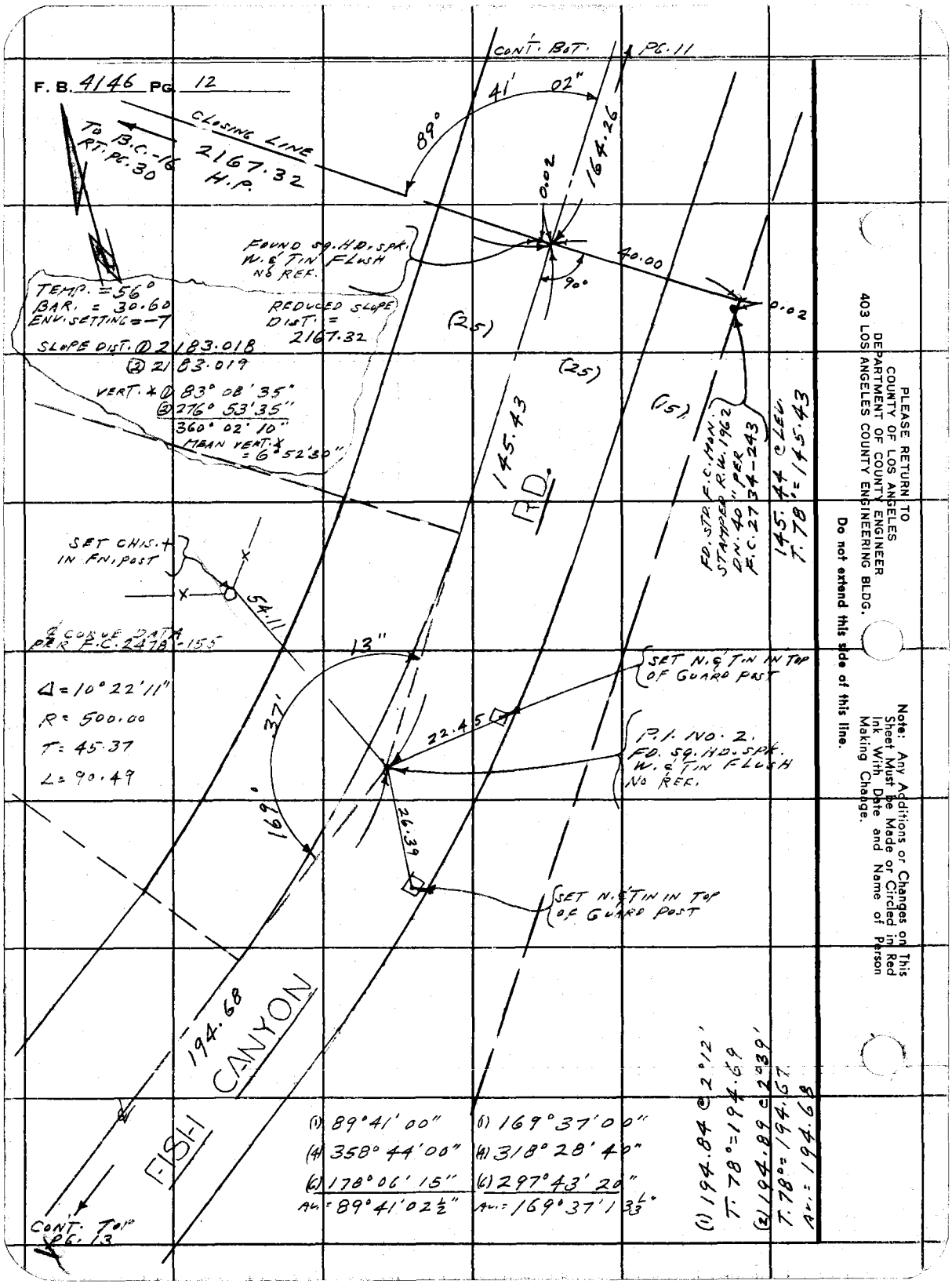

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Notes Ckd. by R. BARTHOLOMEW
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Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape 149' Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 4-17-74
Indexed T. M. PALMER MAY 9 1974

F. B. 4146 PG. 13

CONT. B.T. PG. 12

(1) 92° 55' 20"
(2) 11° 40' 45"
(3) 197° 31' 25"
AV. = 92° 55' 14½"

194.68

CHAINING PT. SET CO. NAIL

(25) (25)

185.10

R.M. 1
FD. 4" BRASS DISC. STAMPED
AZUSA I 6 R.M. 1 1974
R.E. 7078 31.4 BELOW GROUND
PER F.B. 3249-67,68

1A"

55'

92°

RD.

SET PUNCH MARK BY INTERSECTION

LINE TO AZUSA H-5
SEE PG. 170

39.175

18.59

0.03

AZUSA I 6
FOUND LARGE BT.
SAR. W. STIN
FLUSH PER
F.B. 3249-67,68

R.M. NO. 2
IDENTICAL TO R.M. 1
EXCEPT STAMPED
R.M. NO. 2
PER F.B. 3249-67,68

(1) 185.50 @ 3°40'
T. 74° = 185.11
(2) 185.39 @ 3°39'
T. 74° = 185.10

177.65

FISH CANYON

CHAINING PT. SET CO. NAIL

313.68

(1) 177.84 @ 2°35'
T. 74° = 177.65
(2) 177.79 @ 2°04'
T. 74° = 177.66

(1) 300.19 @ 3°05'
T. 78° = 299.75
(2) 300.23 @ 3°01'
T. 78° = 299.73
AV. = 299.74

299.74
+13.94 Elev.
313.68

CONT. TOP PG. 14

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76F309S CE#310 3-69

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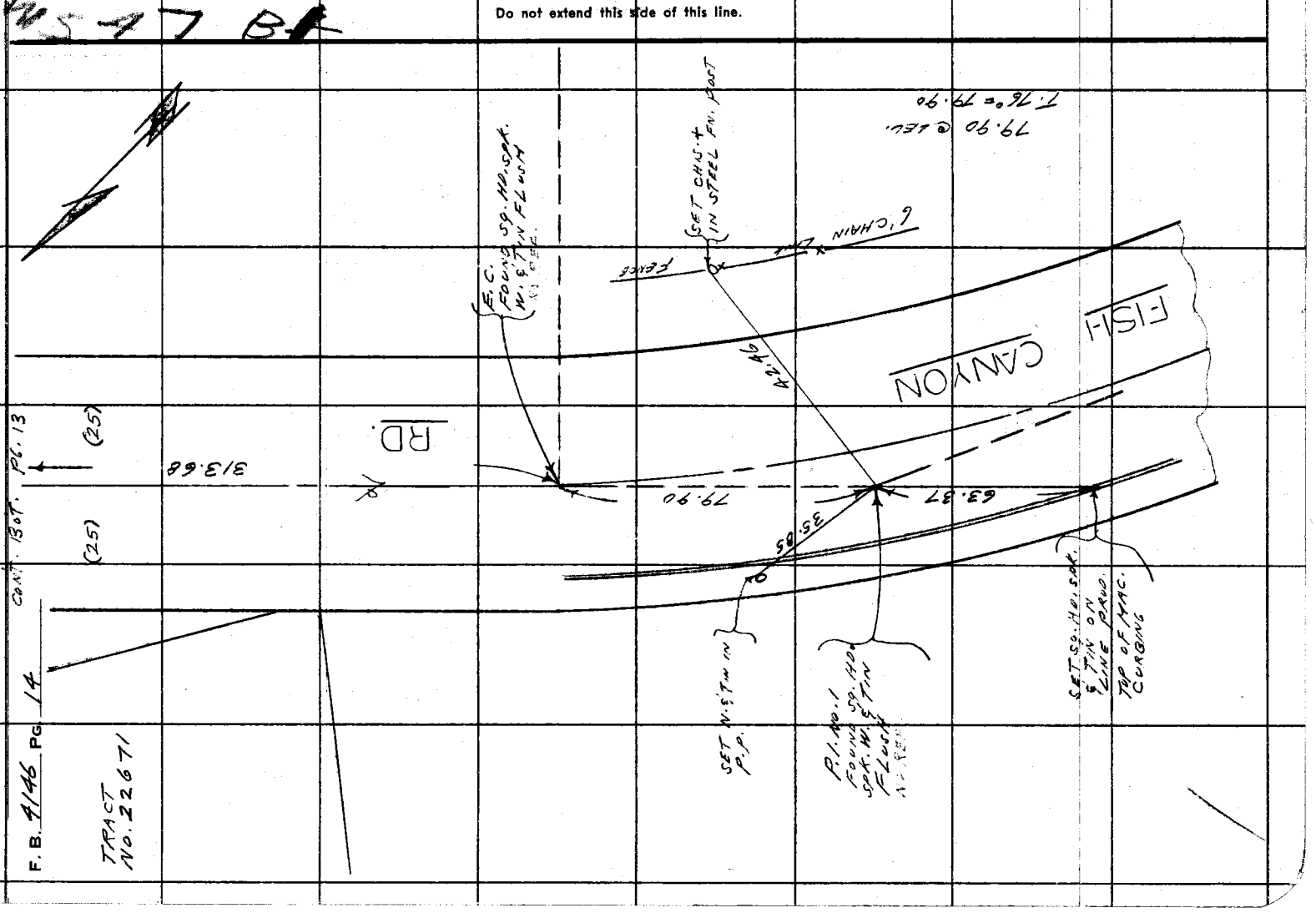
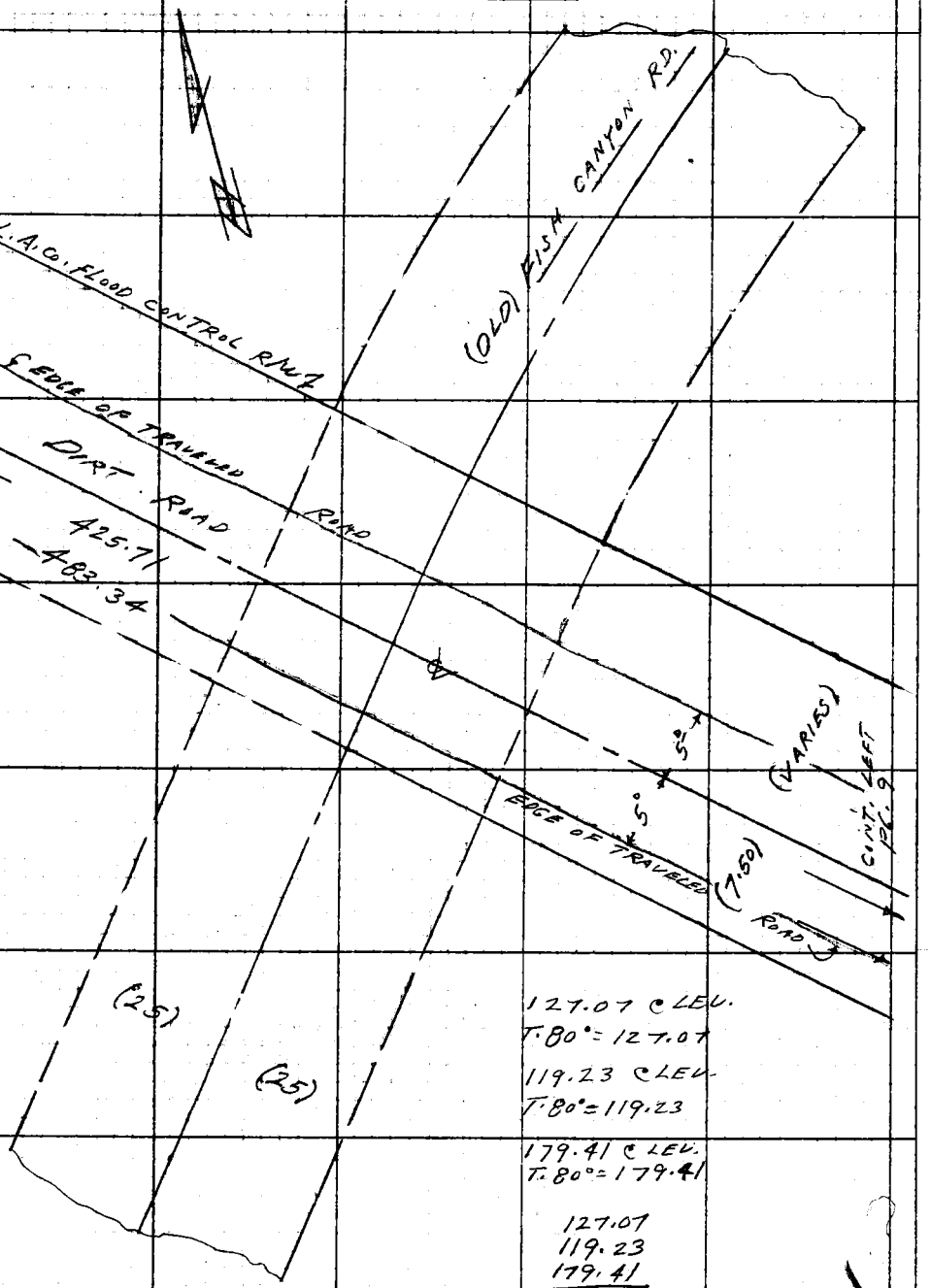


Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTOR WAY	F. B. 4146 PG. 15
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 12-10-73	
Date	Indexed T. M. PALMERI MAY 9 1974	

W.S. 97.B



127.07 @ LEV.
T. 80° = 127.07

119.23 @ LEV.
T. 80° = 119.23

179.41 @ LEV.
T. 80° = 179.41

127.07
119.23
179.41
TOTAL = 425.71

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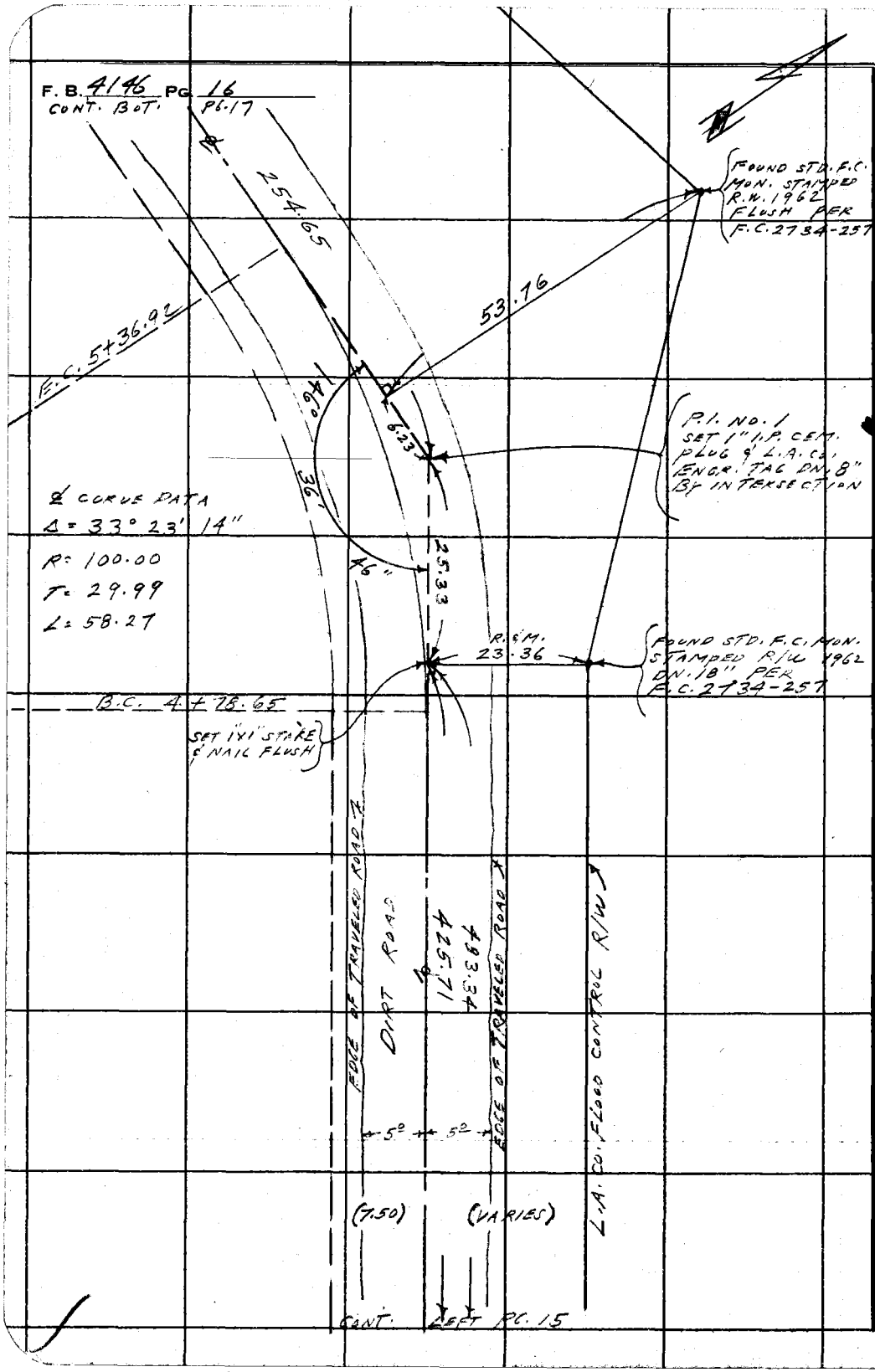

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INS 478-1

Notes Checked by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0056-28 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 12-11-73
Index T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 17

CONT. BOT. PG. 18

E.C. R/W

230.00

DIRT ROAD

(7.50) (22.00)

FOUND STD. F.C. MON. STAMPED R.W. 1962 ON: 6" DER F.C. 2734-257

SET 60P. SPK. & TIN FLUSH

22.00

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT 1962 R.W.

EDGE OF TRAVELED ROAD

5° + 5°

EDGE OF TRAVELED ROAD

254.65

(7.50) (VARIES)

CONT. TOP PG. 16

(1) 230.92 @ 5°00'
T. 60° = 230.00

(2) 230.77 @ 4°32'
T. 60° = 230.01
Δ. = 230.00

(1) 255.10 @ 3°16'
T. 58° = 254.65

(2) 255.18 @ 3°34'
T. 58° = 254.65
Δ. = 254.65

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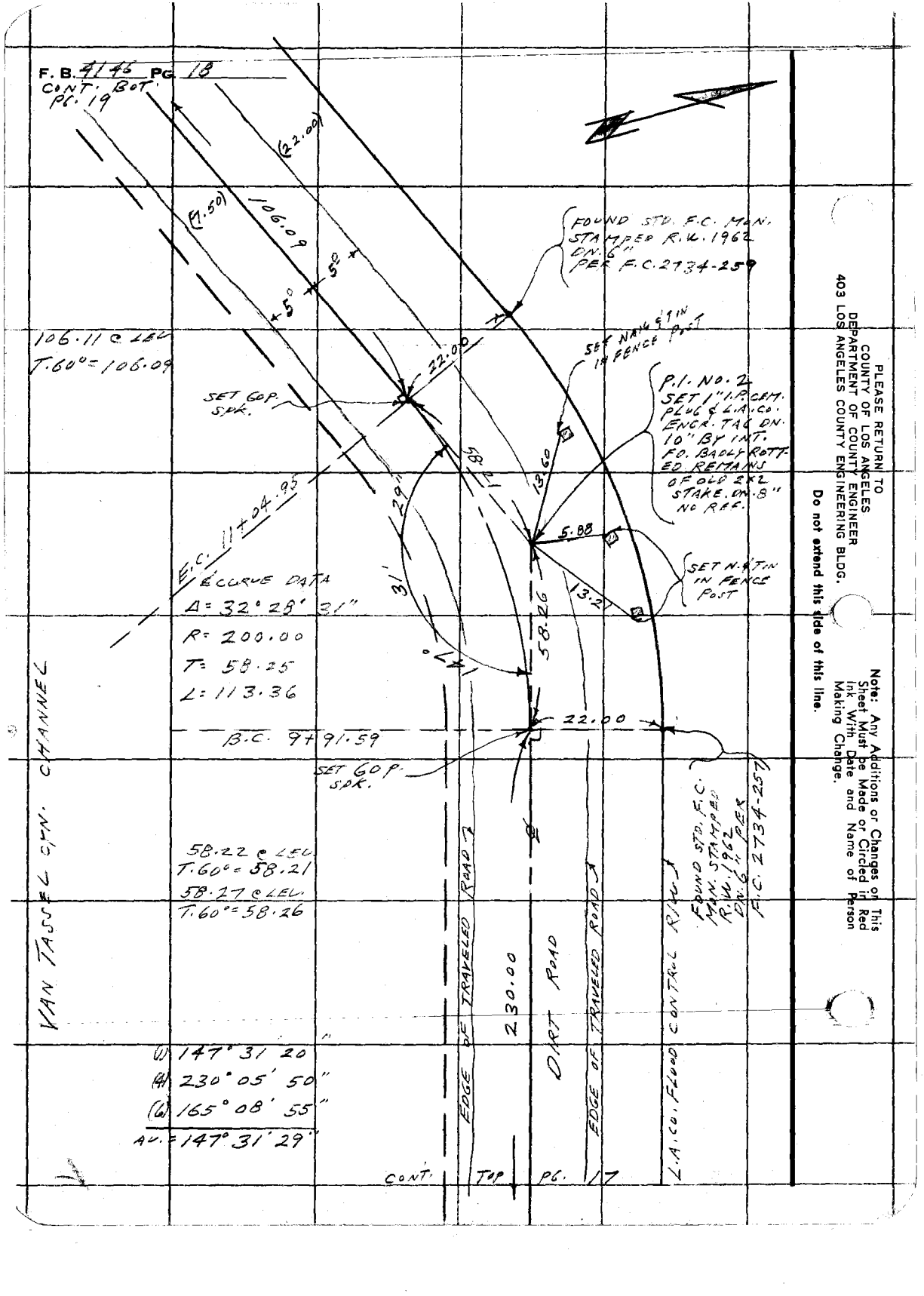
16F309S CE#310 3-68



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Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0056-28 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 12-11-13
Indexed T.M. PALMER MAY 9 1974

F. B. 4146 PG. 19

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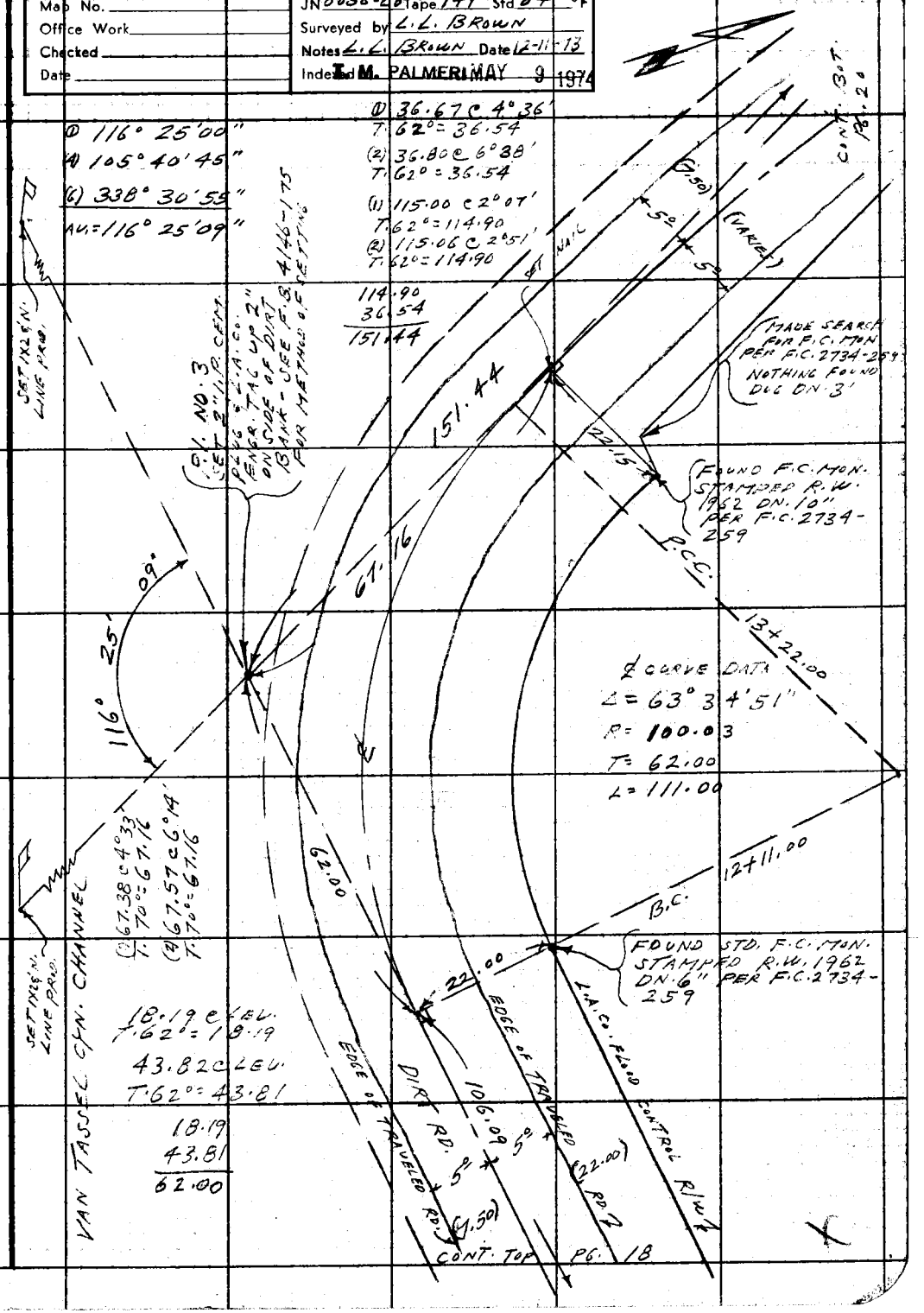
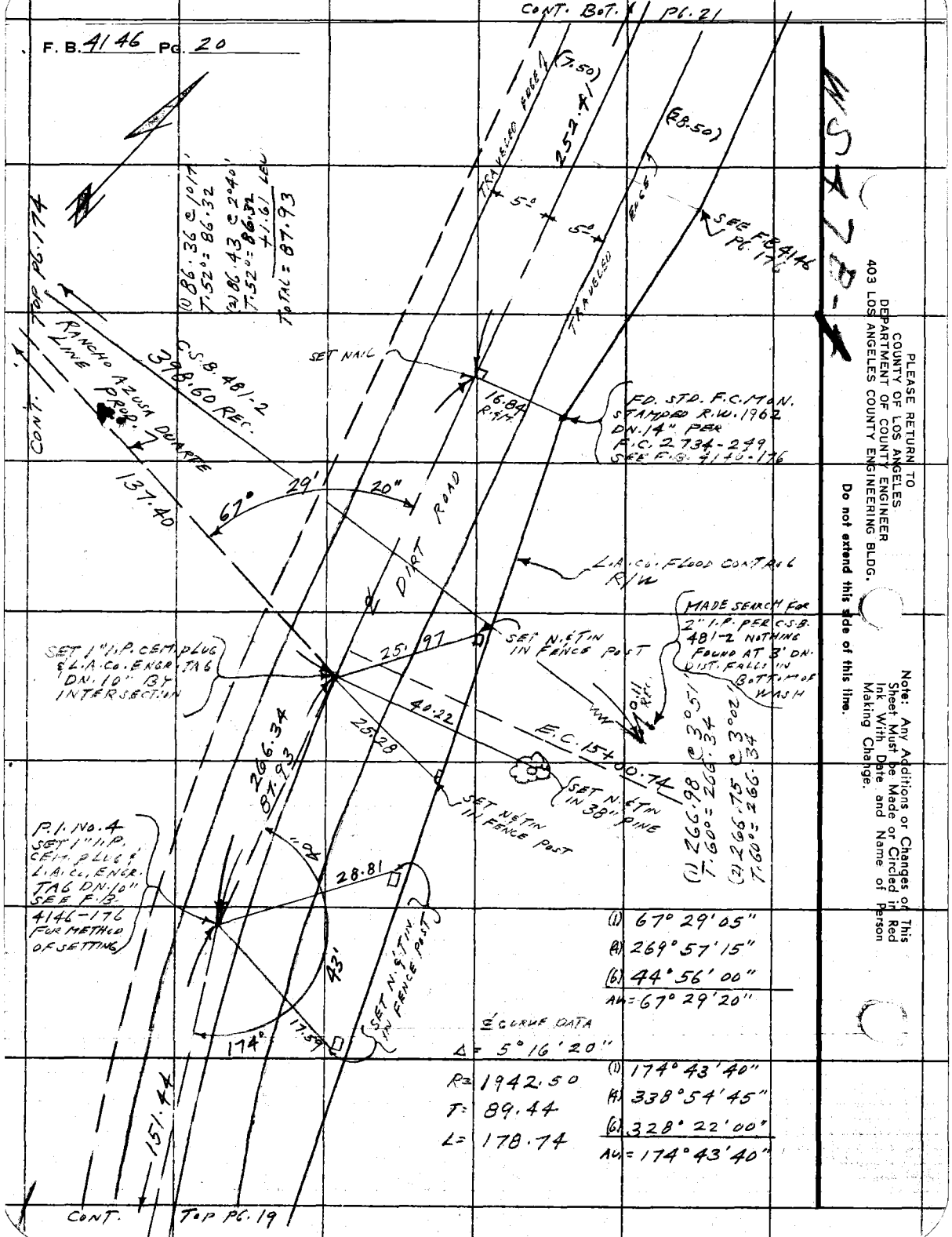


F. B. 4146 Pg. 20



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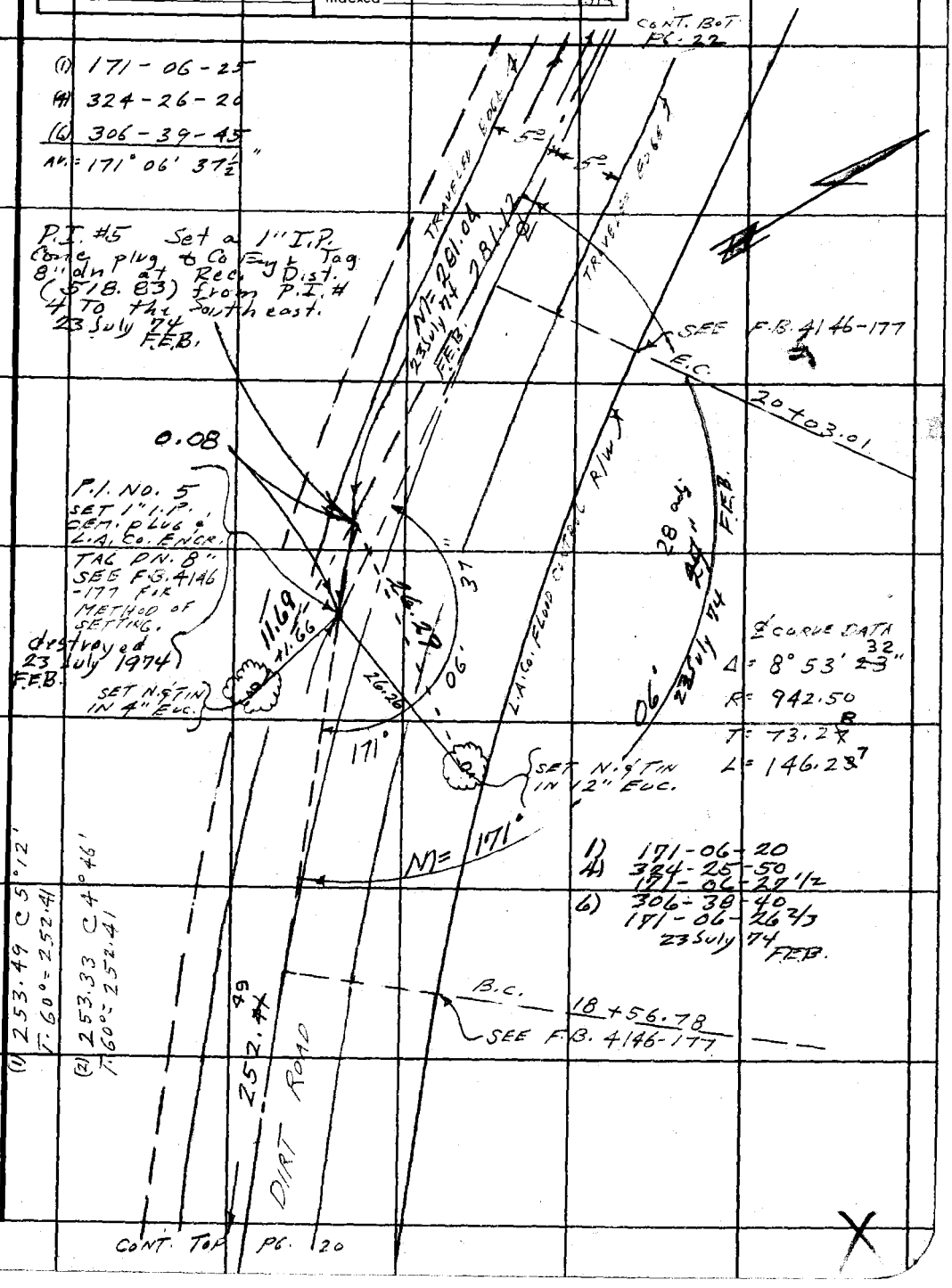
Notes Ckd. by B. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 87 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 12-11-73
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 21



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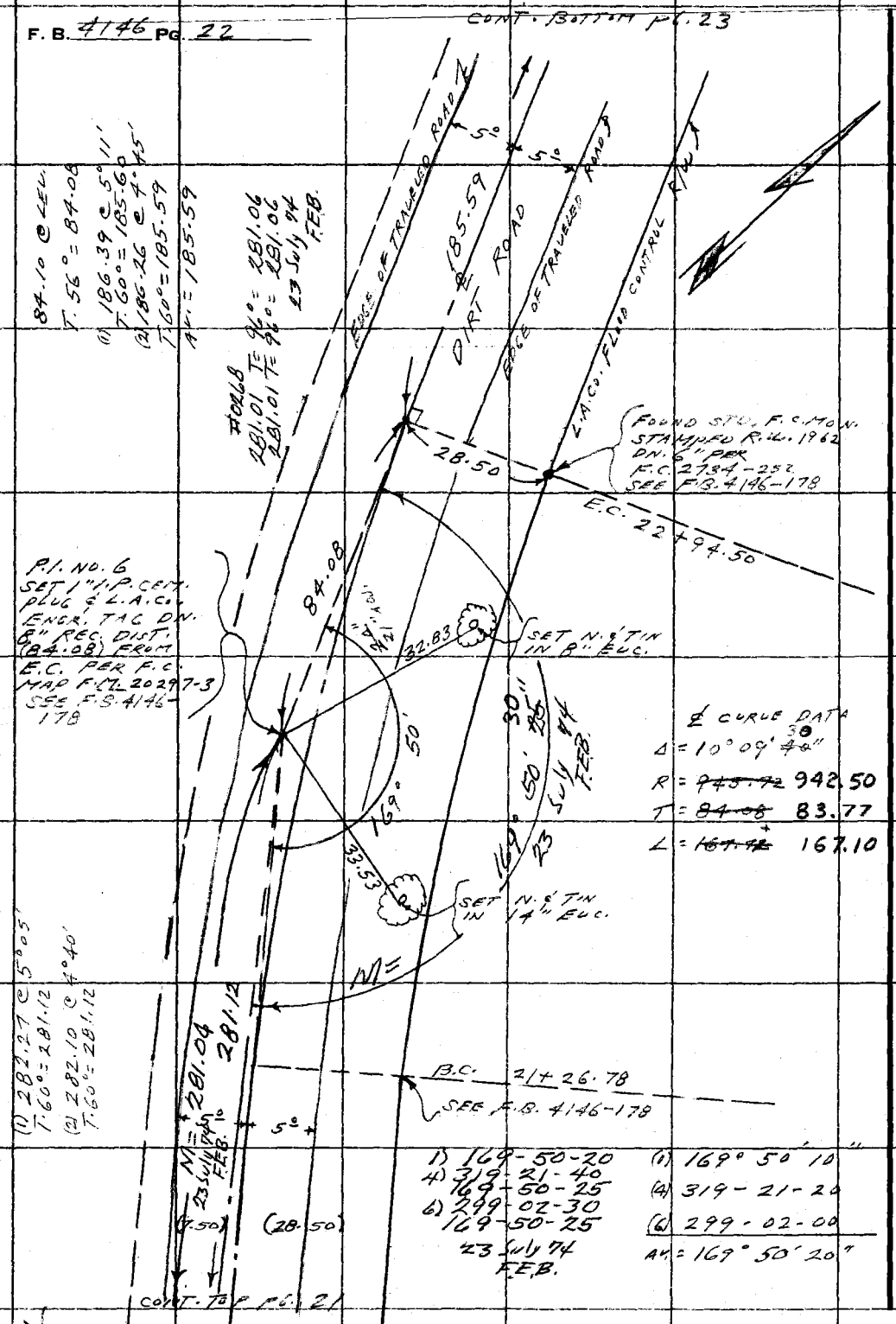
76F309S CE#310 3-68

F. B. 4146 PG. 22

CONT. BOTTOM PG. 23



CONT. TOP PG. 21

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Office Work
Checked
Date

Survey of VAN TASSEL MOTOR WAY
JN 0036.28 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 12-13-73
Indexed M. PALMER MAY 9 1974

F.B. 4146 PG. 23

CONT. BOTTOM P6.24

(1) 148° 23' 10"
(2) 233° 32' 05"
(3) 170° 17' 45"
AV. = 148° 22' 57½"

(1) 89.95 C 1°29'
T. 60° = 89.91
(2) 89.92 C 0°01'
T. 60° = 89.91
AV. = 89.91
+ 23.50 CLEV. T. 60°
TOTAL = 113.41

113.41

P.I. NO. 7
SET 1" I.P.
CEM. PLUG & L.A. CO.
ENGR. TAG
DN. CA" REC.
DIST. (113.41)
FROM B.C. PER
F.C. MAP
F.M. 20291-3

57.58 RAD.

22.39

SET CHIS. + IN TOP OF LARGE ROCK

℄ CURVE DATA
Δ = 31° 37' 03"
R = 400.00
T = 113.41
L = 220.73
EX = 15.73

22'

148°

50.21

L.A. CO. FLOOD CONTROL

112.79 R.M.

SET N. & TIN IN 8" S.F.C.

50.00 CLEV. T. 60° = 49.99

18.89

FOUND STD. F.C. MON. STAMPED R.W. 1962 DN. 6" PER F.C. 2734-252

(1) 110.98 C 3° 26'
T. 60° = 110.76
(2) 111.12 C 4° 26'
T. 60° = 110.77
AV. = 110.76
+ 2.03 CLEV.
TOTAL = 112.79

49.99

FOR LOCATION OF DIRT ROAD SEE P6.179, 180

28.50

FOUND STD. F.C. MON. STAMPED R.W. 1962 DN. 6" PER F.C. 2734-252

0.0846

5°

5°

B.C. 24+79.47

185.59

DIRT ROAD

CONT. TOP P6.22

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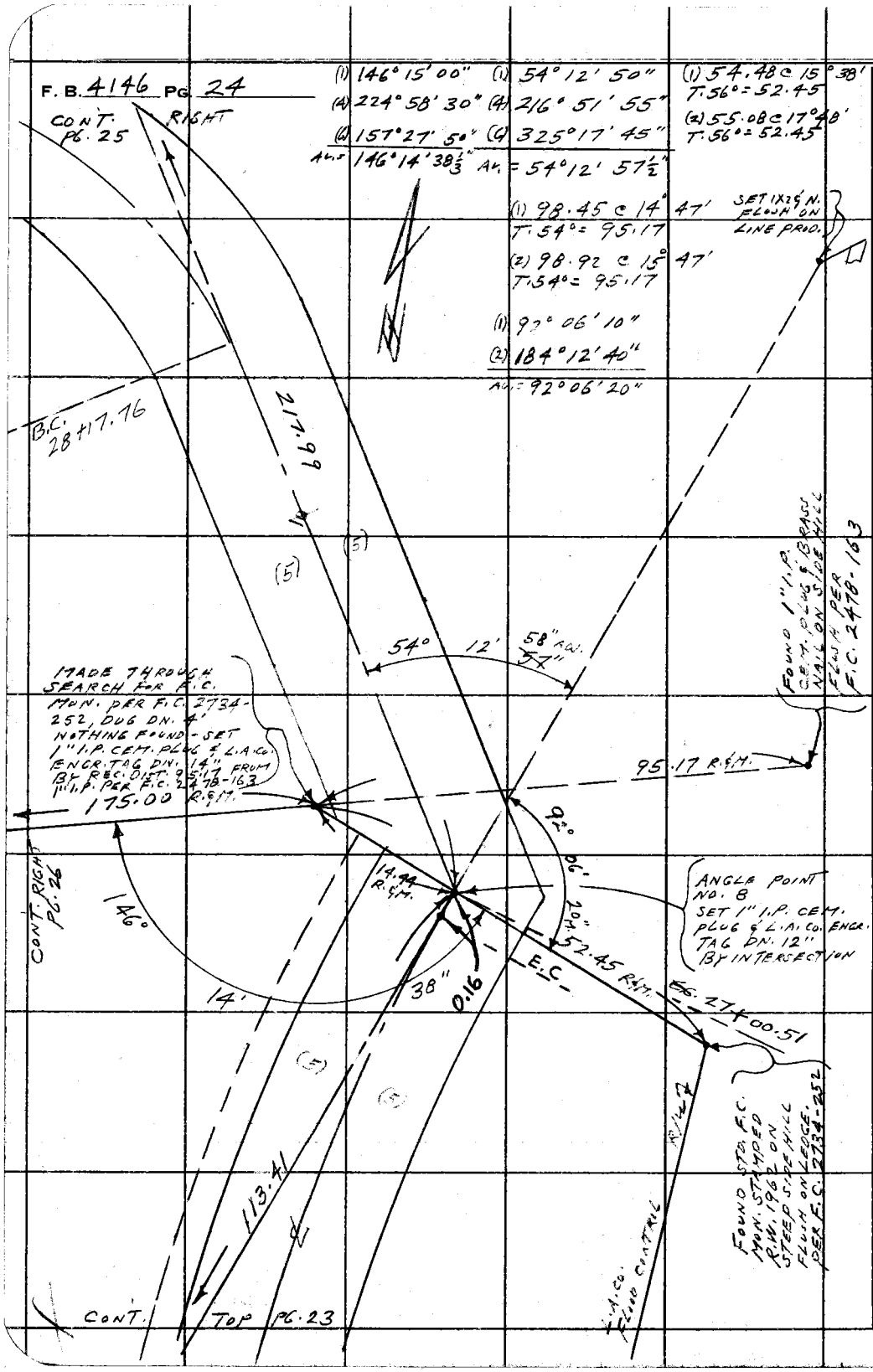

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Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 005628 Tape 149 Std 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 12-13-73
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 25

218.03 @ LEV.
T. 58° = 217.99

(1) 52° 47' 40"
(4) 211° 10' 40"
(6) 316° 46' 15"
AV = 52° 47' 42½"

P.I. NO. 9
SET 1" I.P. CEM.
PLUG & L.A. CO.
ENGR. TAG UP 1"
TOP OF BANK

(1) 117.63 @ 5°32'
T. 66° = 117.07

(2) 117.52 @ 4°56'
T. 66° = 117.07

(1) 153.79 @ 6°50'
T. 66° = 152.68

(2) 154.01 @ 7°30'
T. 66° = 152.68

152.68
117.07
3.91 LEV.
TOTAL = 273.66

52° 47' ~~42"~~ 41" ADJ.

217.99

273.66

(5)

(5)

℄ CURVE DATA
Δ = 127° 12' 19"
R = 50.00
T = 100.74
L = 111.01
EX = ~~75.37~~ 62.46

E.C.

CONT. TOP PG. 26

CONT. TOP PG. 24

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76F309S CE#310 3-69

F. B. 4146 PG. 26

CONT. BOT. PG. 25

(1) 59° 48' 10"
(4) 239° 12' 10"
(6) 358° 48' 00"
AV.= 59° 48' 00"

(1) 176.97 @ 4°00'
T. 72°= 176.53
(2) 177.14 @ 4°41'
T. 72°= 176.53
- 1.53 LONG
TOTAL = 175.00

59° 48' 00"

273.66

9.20

50.09

SET LARGE BT SPK W. 5' TIN DN. 6" IN TERSECTION

F.C. MON. PER F.C. 2734-252 DESTROYED BY ROAD CONST. SET 1"I.P. FLUSH REC. DIST. (175.00) FROM EAST AND (150.00) FROM SOUTH

P.I. NO. 10 SET 1"I.P. CET. PLUG & L.A.CO. ENG. TAG DN. 6"

B.C.

"A" 03° 11' 57"

49.

160°

150.00

175.00
L.A.CO. F.C. R/W

90° 00' 00"

PG. 24

CONT. LEFT

(1) 150.11 @ 2°01'
T. 66°= 150.00
(2) 150.16 @ 2°02'8"
T. 66°= 150.00

(1) 50.33 @ 5°52'
T. 68°= 50.09
(2) 50.47 @ 6°55'
T. 68°= 50.09

CURVE DATA
Δ = 19° 11' 57"
R = 211.00
T = 35.69
L = 70.70
Fx = 3.00

(1) 90° 00' 10"
(4) 360° 00' 00"
(6) 180° 00' 00"
AV. 90° 00' 00"

F.C.

94.06

(1) 173° 45' 15"
(4) 335° 01' 00"
(6) 322° 31' 05"
AV.= 173° 45' 10"

(1) 160° 48' 00"
(4) 283° 12' 10"
(6) 244° 48' 25"
AV.= 160° 48' 04"

(1) 95.08 @ 0°20'30"
T. 72°= 94.06
(2) 95.29 @ 9°10'
T. 72°= 94.06

L.A.CO. F.C. R/W

12°48'
#11

45'

ANGLE POINT NO. 11 SET 1"I.P. CEM. PLUG & L.A.CO. ENG. TAG DN. 6"

13° 11'

58.44

MADE SEARCH FOR F.C. MON. PER F.C. 2734-252 NOTHING FOUND PROBABLY DESTROYED BY ROAD CONST.

FD. 2"I.P. CET. PLUG & L.A.CO. F.C. TAG FLUSH PER F.C. 2734-252

CONT. TOP PG. 27

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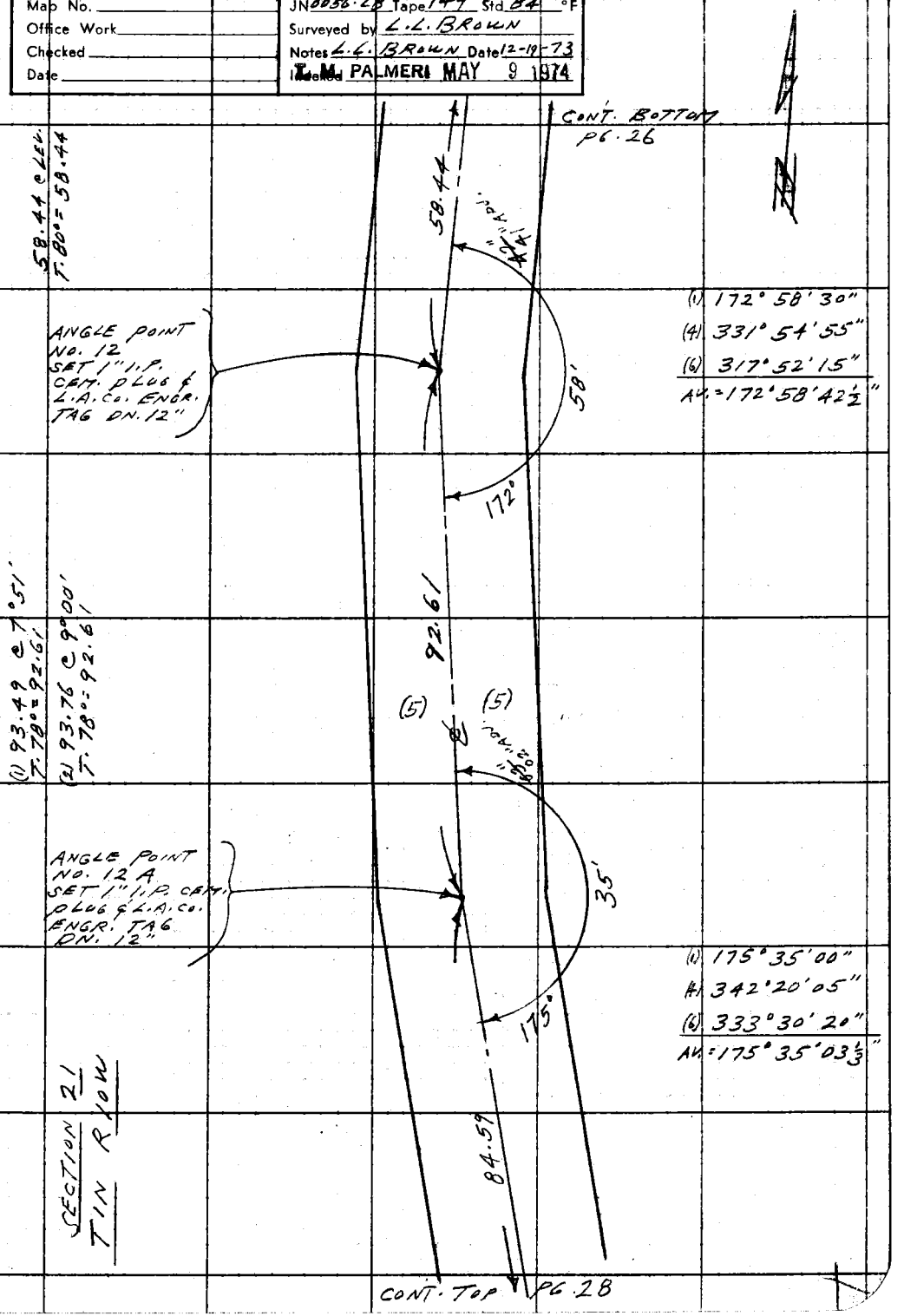
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 27
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L.L. BROWN	
Checked	Notes L.L. BROWN Date 12-19-73	
Date	Indexed T. M. PALMERI MAY 9 1974	



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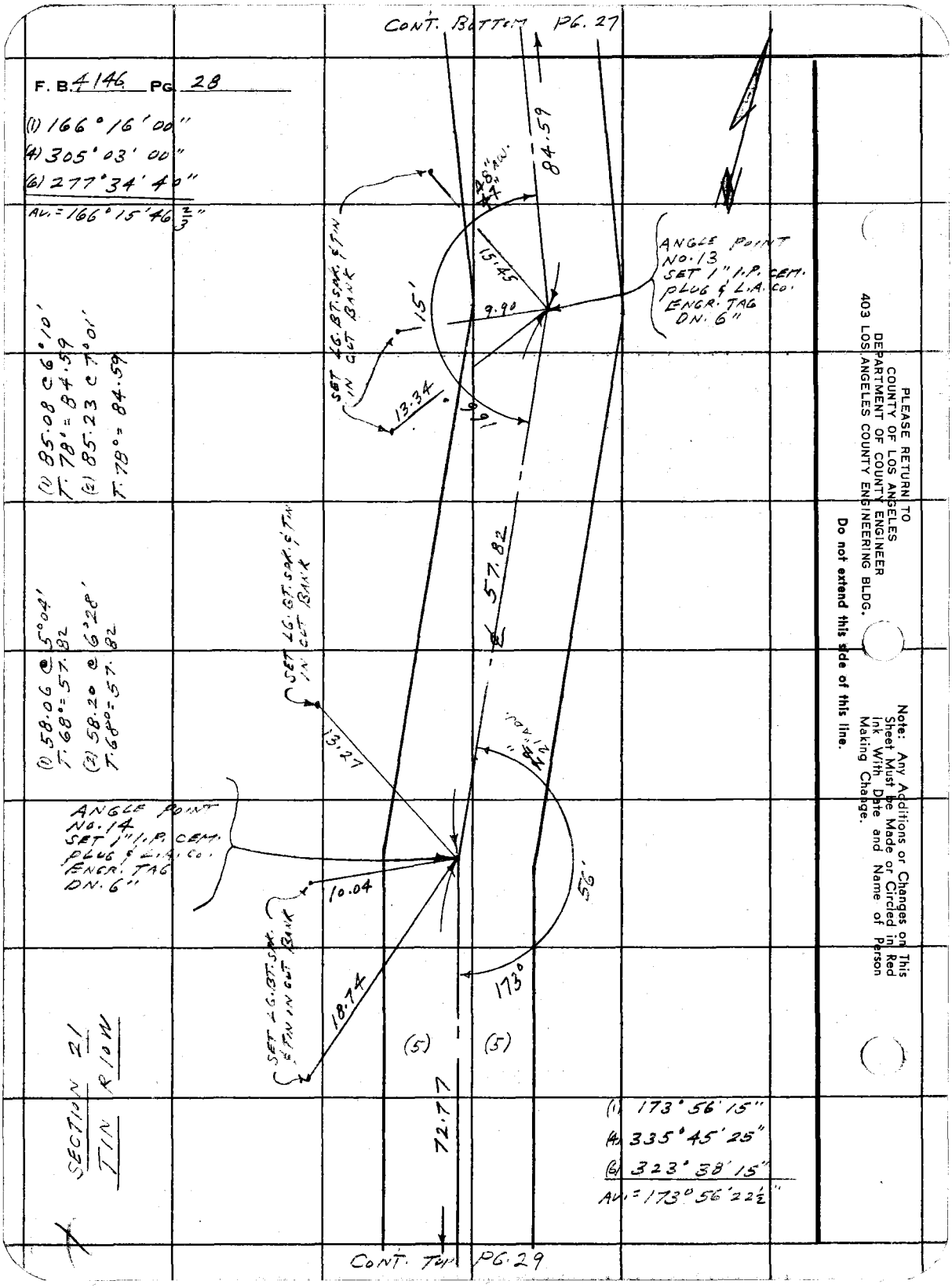
76F309S CE#310 3-69



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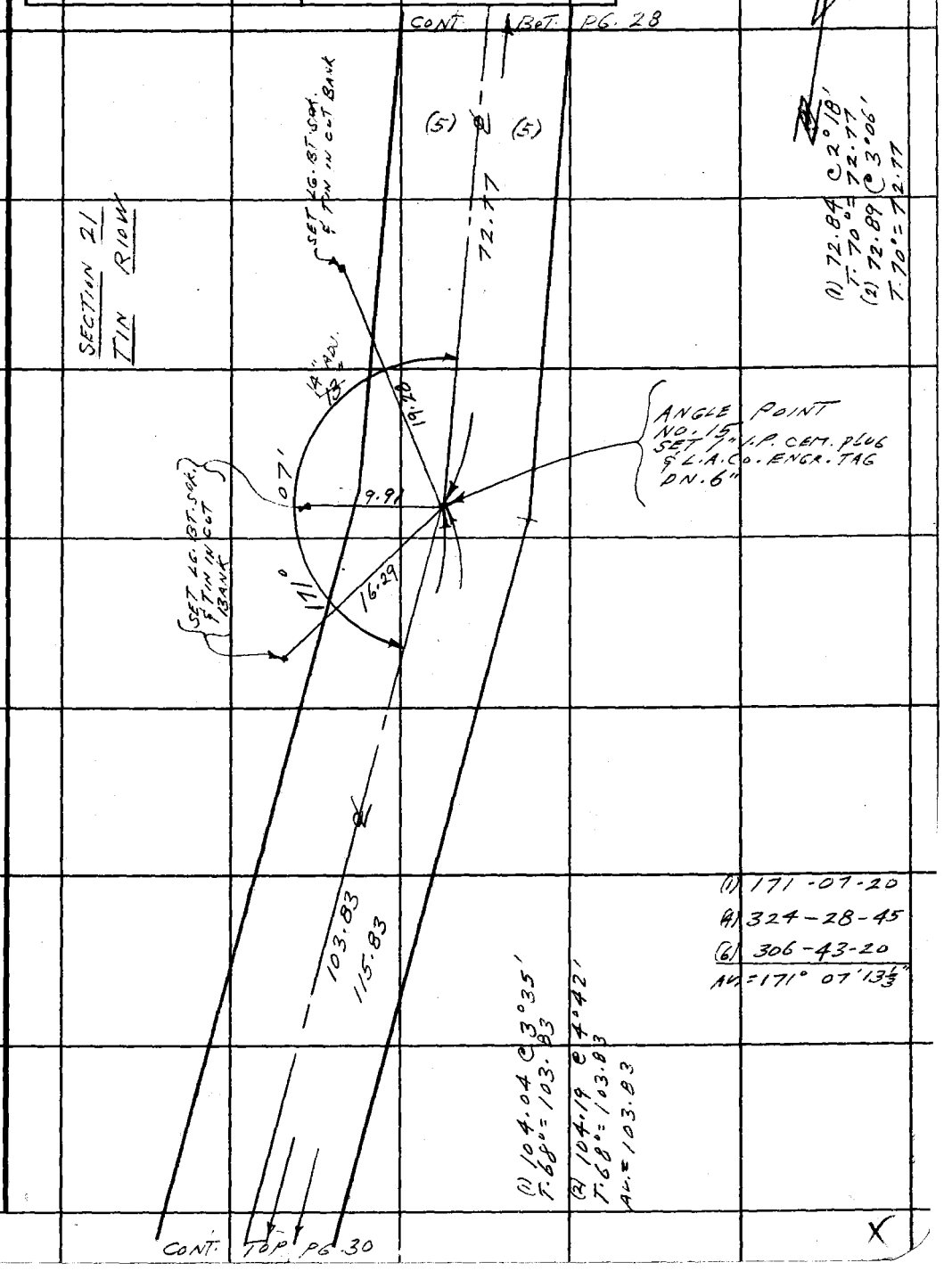
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 12-19-73
Date	Indexed T.M. PALMERI MAY 9 1974

F. B. 4146 PG. 29



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16F309S CE#310 3-68

F. B. 4146 Pg. 30

CONT. B.O.T. PG. 31

CONT. B.O.T. PG. 29

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TIES.

(1) 46.54 @ S 0° 43' E. T. 66°: 46.21

(2) 46.74 @ S 89° 32' E. T. 66°: 46.41

19.61 @ E. T. 66°: 19.61

SECTION 21

T 1N R 10W

P.I. NO. 15 NOT SET

℄ CURVE DATA

Δ = 151° 14' 28"

R = 48.00

T = 187.28

L = 126.70

CH. = 92.99

SET I" I.P. CEM. PLUG & L.A.CO. ENGR. TAG IN TOP OF CONC. CURB

E.C. 16 SET I" I.P. CEM. PLUG & L.A.CO. ENGR. TAG ON "C"

R.P. SET I" I.P. CEM. PLUG & L.A.CO. ENGR. TAG ON TOP OF CONC. CURB

SET CD. & L.A.CO. ENGR. TAG IN EDGE OF ROCK ON LINE PROD.

B.C. 16 I" I.P. SET CEM. PLUG & L.A.CO. ENGR. TAG ON TOP OF CONC. CURB

CLOSING LINE

(1) 124° 59' 10"
(4) 139° 57' 00"
(2) 29° 55' 12½"
Δ = 294° 51' 22½"

(1) 104° 22' 40"
(4) 57° 31' 30"
(2) 266° 17' 00"
Δ = 428° 11' 10"

CLOSING ANGLE
(1) 26° 59' 05"
(4) 107° 57' 40"
(2) 161° 56' 35"
Δ = 296° 53' 20"

CLOSING ANGLE
26° 59' 26"

CLOSING ANGLE
124° 59' 12"

CLOSING LINE

TO P.I. 14.42

H.P. 137

18.09

103.83

115.83

186.38

156.88

(5)

(5)

90°

46.21

19.61

48.00

92.99

104° 22' 40"

48.00

12.00

32.

58

45

R.P. SET I" I.P. CEM. PLUG & L.A.CO. ENGR. TAG ON TOP OF CONC. CURB

RADIAL PT. SET 1/2" I.P. FLUSH

P.O.T. SET I" I.P. CEM. PLUG & L.A.CO. ENGR. TAG ON TOP OF CONC. CURB

CONC. FENCE

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

Survey of VAN TASSEL MOTORWAY
JN 0056.38 Tape 149 Std. 84 °F.
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 1-10-74
Checked T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 31

SECTION 21
T 1N R 10W

(1) 21.67 @ 7° 07'
T. 46° = 21.49
(2) 21.79 @ 9° 26'
T. 46° = 21.49
Av. = 21.49

PG. 32

RIGHT
CONT

302.72
281.23

P.O.S.T. SET 1X2 F.N. FLUSH

P.I. NO. 17
SET 2" I.P.
CEM. PLUG &
L.A. Co. ENGR. TAG
UP 2"

21.49

29.50

141°

24'

29"

31" ADJ.

℄ CURVE DATA
Δ = 38° 35' 29"
R = 252.00
T = 88.23
L = 169.73
Ex = 15.00

P.O.S.T. SET 1X2 F.N. FLUSH

29.5 @ LEV.
T. 46° = 29.5

℄

B.C.

156.88
186.38

(5) (5)

(1) 159.46 @ 10° 14'
T. 44° = 156.88
(4) 159.17 @ 9° 37'
T. 44° = 156.89
Av. = 156.88

(1) 141° - 24' - 05"
(4) 205 - 37 - 55
(6) 128 - 26 - 55
Av. = 141° 24' 29"

CONT. TOP PG. 30

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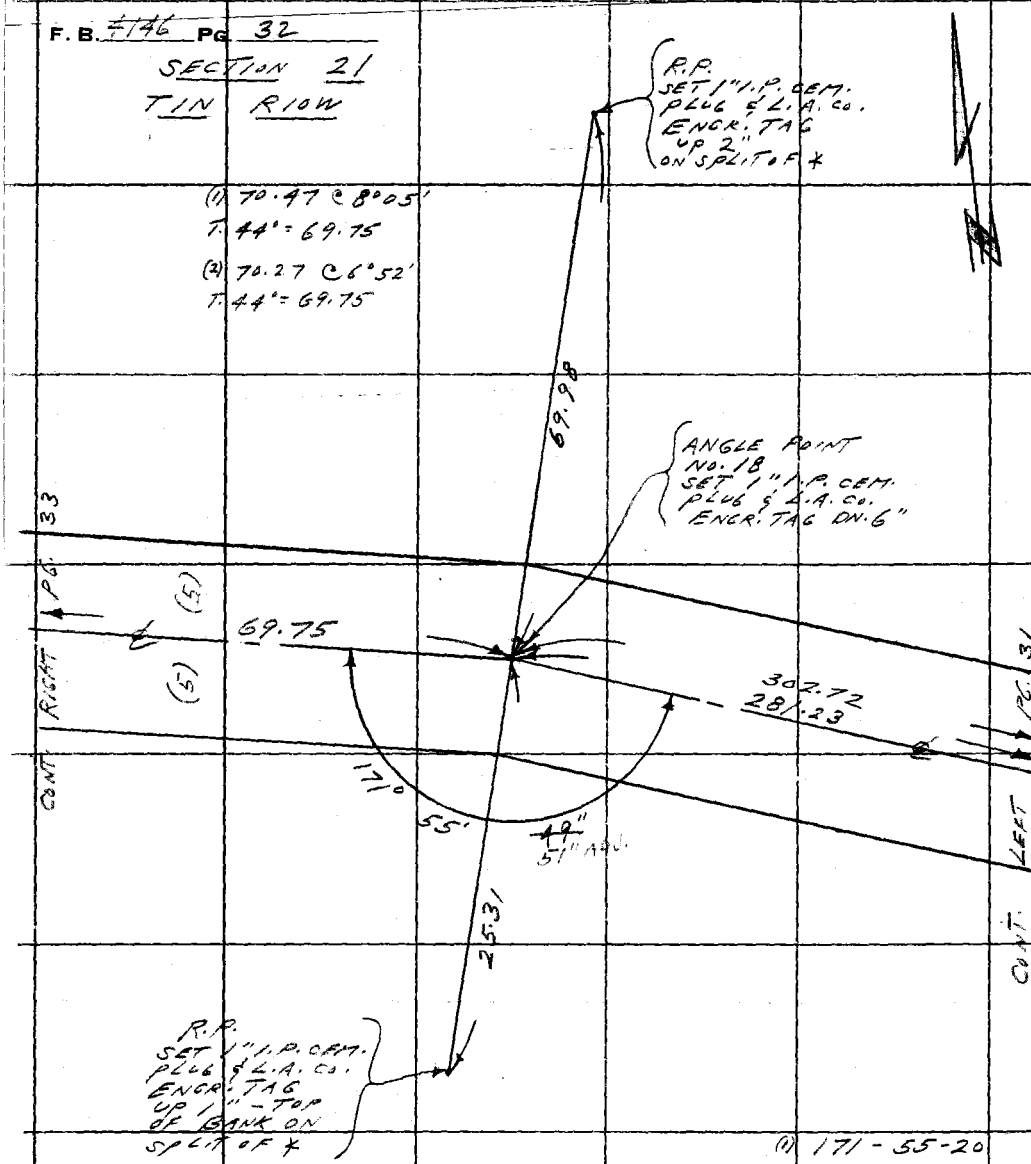
16F3095 CE#310 3-68

F. B. #146 Pg 32

SECTION 21

T 1N R 10W



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

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std. 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 1-10-74
Date	Indexed L. M. PALMERI MAY 9 1974

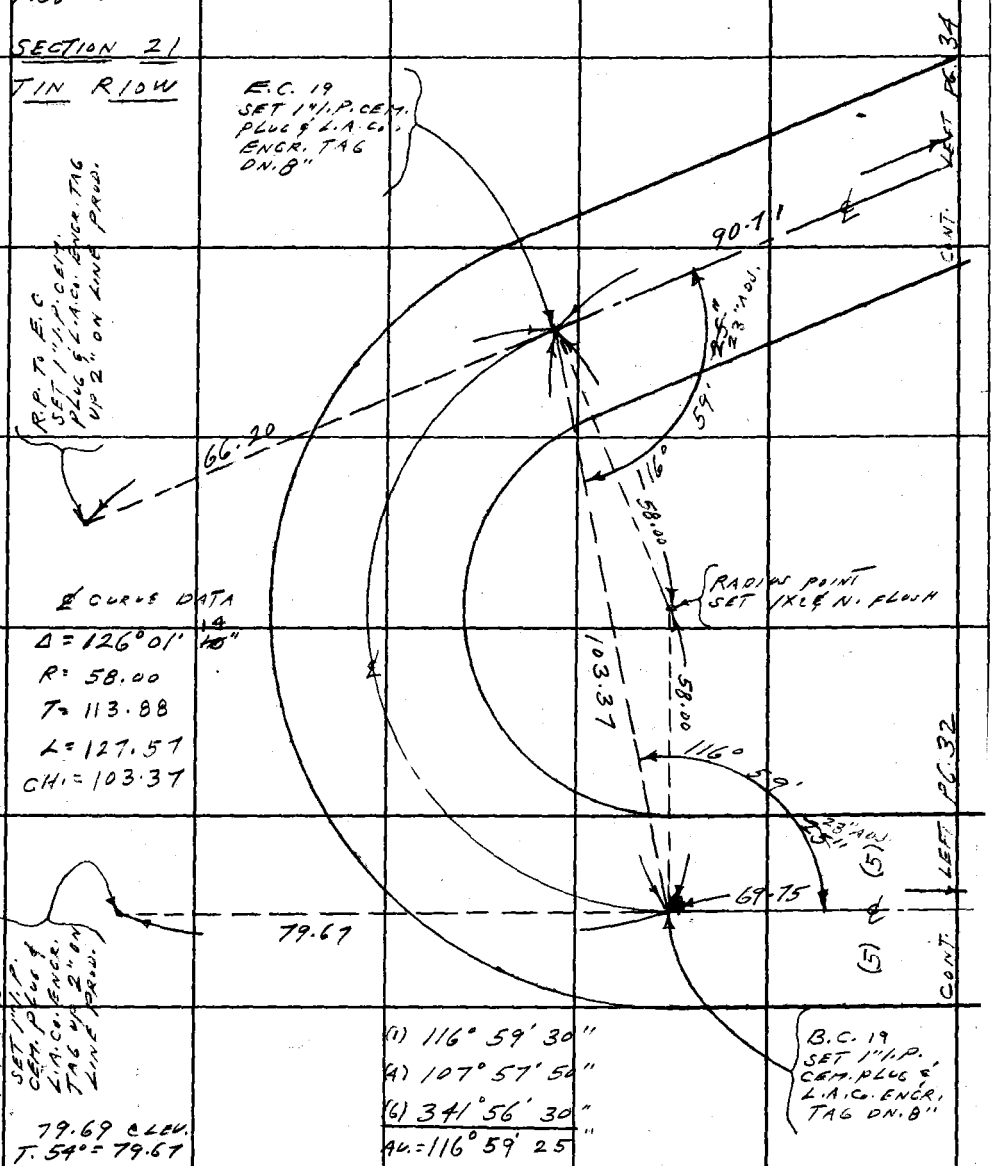
F. B. 4146 PG. 33

TIES:
(1) 67.07 @ 9°11'
T. 58° = 66.20
(2) 66.80 @ 7°37'
T. 58° = 66.20

(1) 104.24 @ 7°18'
T. 54° = 103.37
(2) 104.06 @ 6°31'
T. 54° = 103.37

(1) 116°59'35"
(4) 107°57'50"
(6) 341°56'30"
AV. = 116°59'25"

SECTION 21
TIN R10W



℄ CURVE DATA
Δ = 126°01' 14"
R = 58.00
T = 113.88
L = 127.57
CH. = 103.37

P.I. No. 19 NOT SET

(1) 116°59'30"
(4) 107°57'50"
(6) 341°56'30"
AV. = 116°59'25"

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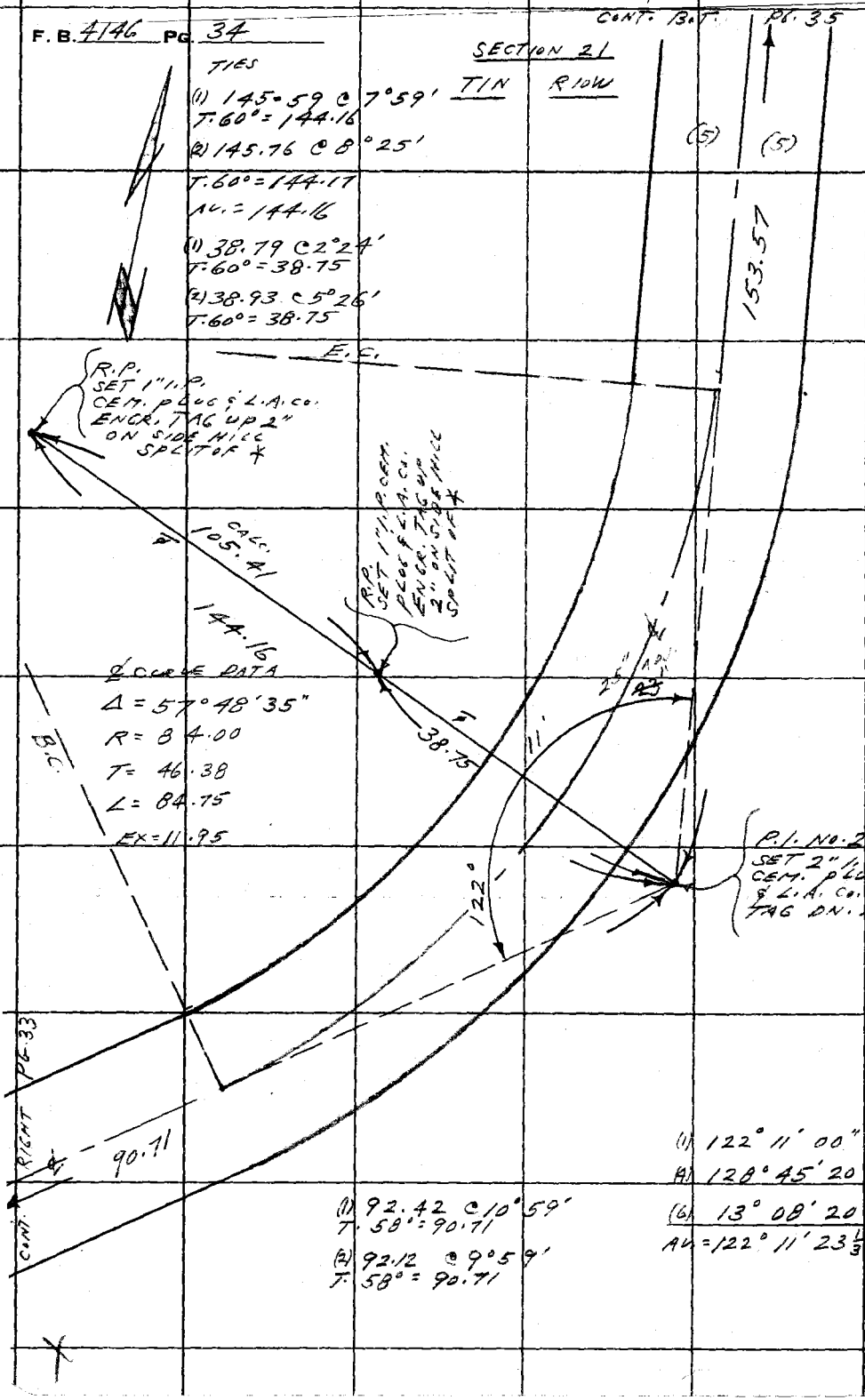
76F309S CE#310 3-68

F. B. 4146 PG. 34



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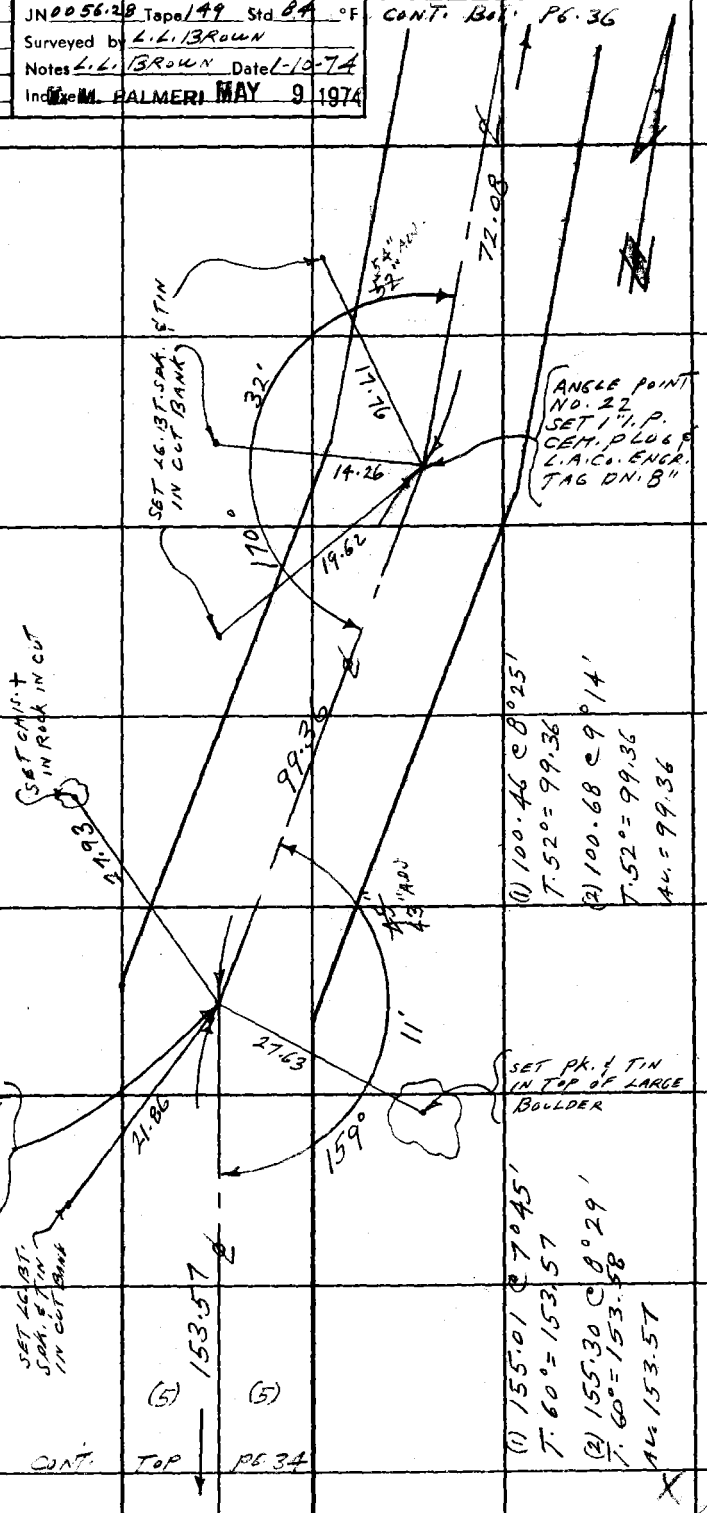
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 1-10-74
Date	Indexed M. PALMERI MAY 9 1974

F.B. 4146 PG. 35
CONT. BOT. PG. 36

SECTION 21
TIN R10W

(1) 170° 32' 40"
(4) 322° 11' 20"
(6) 303° 17' 10"
AV. = 170° 32 51 2/3



(1) 100.46 @ 8°25'
T. 52° = 99.36
(2) 100.68 @ 9°14'
T. 52° = 99.36
AV. = 99.36

(1) 159° 11' 30"
(4) 276° 46' 50"
(6) 235° 10' 30"
AV. = 159° 11' 45"

(1) 155.01 @ 7°45'
T. 60° = 153.57
(2) 155.30 @ 8°29'
T. 60° = 153.58
AV. 153.57

CONT. TOP PG. 34

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76F309S CE#310 3-68

F. B. 4146 PG. 36

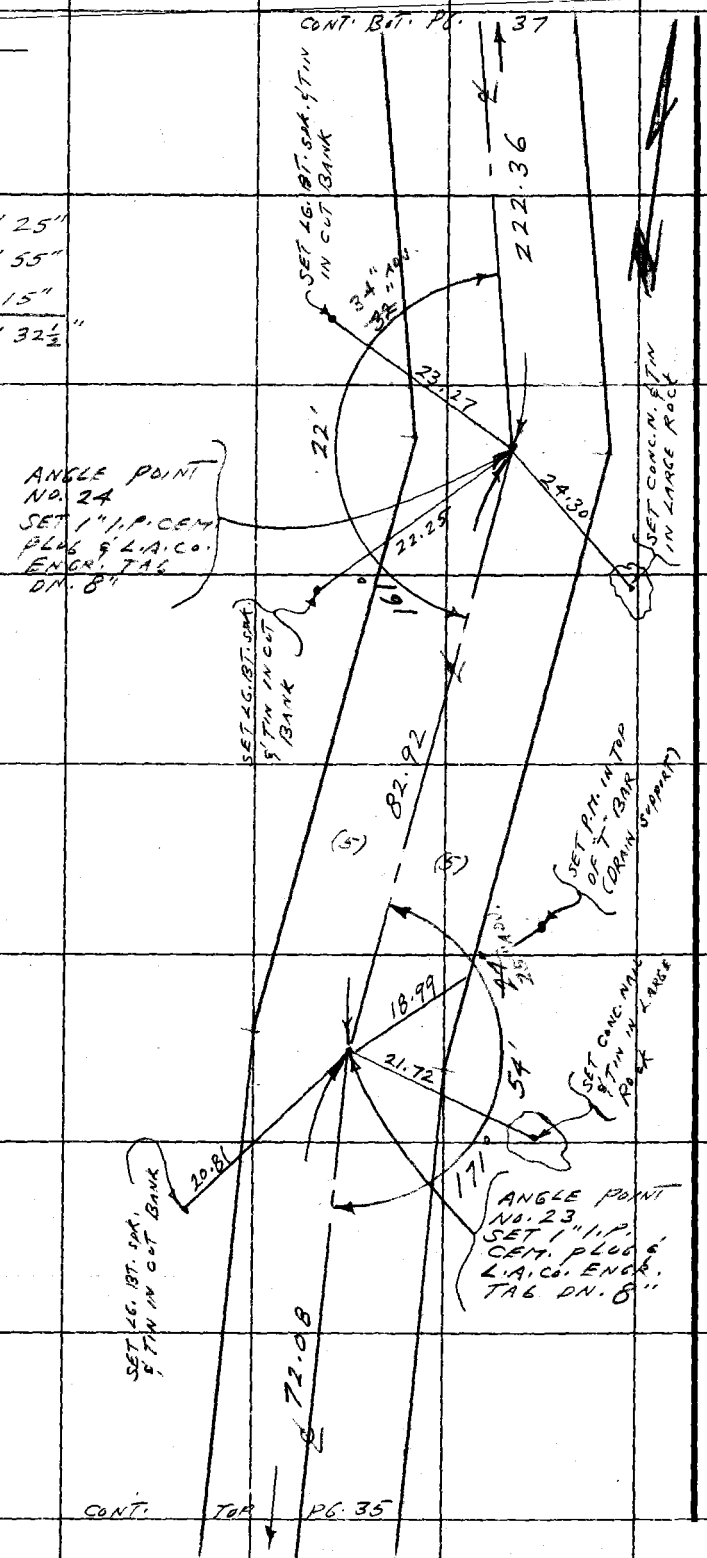
SECTION 21
T1N R10W

(1) 161° 22' 25"
(2) 285° 29' 55"
(6) 248° 15' 15"
AV.: 161° 22' 32½"

(1) 83.59 @ 7° 13'
T. 70° = 82.92
(2) 83.75 @ 8° 01'
T. 70° = 82.92

(1) 72.71 @ 7° 27'
T. 52° = 72.08
(2) 72.90 @ 8° 31'
T. 52° = 72.08

(1) 171° 54' 30"
(2) 327° 38' 05"
(6) 311° 26' 40"
AV.: 171° 54' 26⅔"



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

Survey of VAN TASSEL MOTOR WAY
JN 0056-20 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 1-14-74
Inked T. M. PALMER MAY 9 1974

F. B. 414 PG. 37

SECTION 21
TIN R10W

(1) 28°36'40"
(4) 114°26'35"
(6) 171°39'50"
Δ4 = 28°36'38⅓"

(1) 175.62 @ 3°39'
T. 80° = 175.26
(2) 175.54 @ 3°12'
T. 80° = 175.27
Av. = 175.26

P.I. NO. 25
SET 1" I.P.
CEM. PLUG & L.A.Co.
ENGR. TAG UP 2"
ON SIDE HILL

℄ CURVE DAT:
Δ = 151°23'20"
R = 26.00
T = 101.96
L = 68.70
Ex = 79.22

175.26
28°36'40" Δ1
222.36

(1) 229.55 @ 14°20'40"
T. 72° = 222.37
(2) 229.85 @ 14°39'00"
T. 72° = 222.36
Av. = 222.36

E.C.
B.C.

(5) (5)

CONT. TOP P6. 38

CONT. TOP P6. 36

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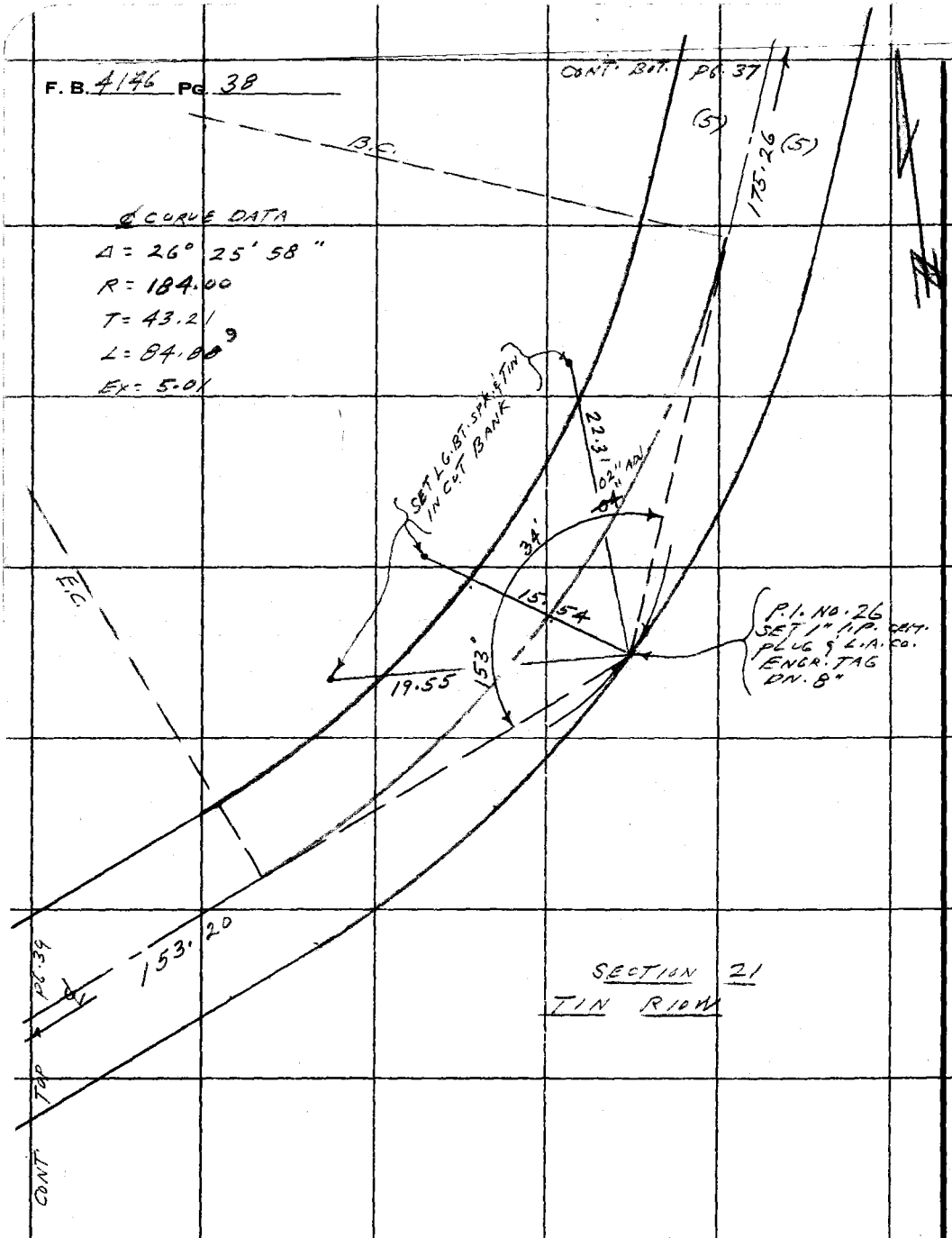
16F3095 CE#310 3-68

F. B. 4146 PG. 38



(1) 154.31 @ 6°50'
T. 76° = 153.20
(2) 154.54 @ 7°31'
T. 76° = 153.20

(1) 153° 33' 45"
(4) 254° 16' 05"
(6) 201° 24' 20"
AV. = 153° 34' 03 2/3"

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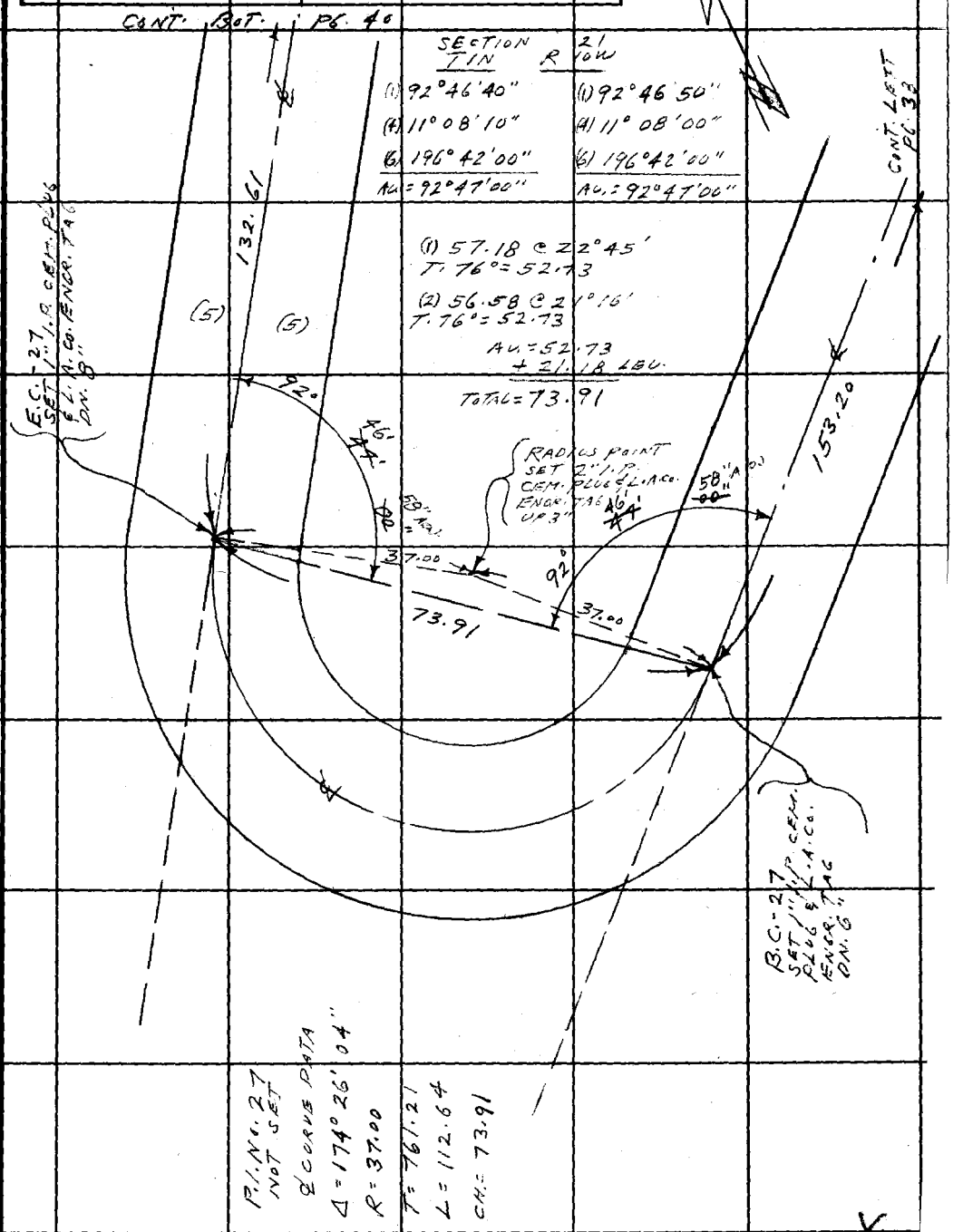
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 39
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 1-15-74	
Date	Indexed K. M. PALMERI MAY 9 1974	



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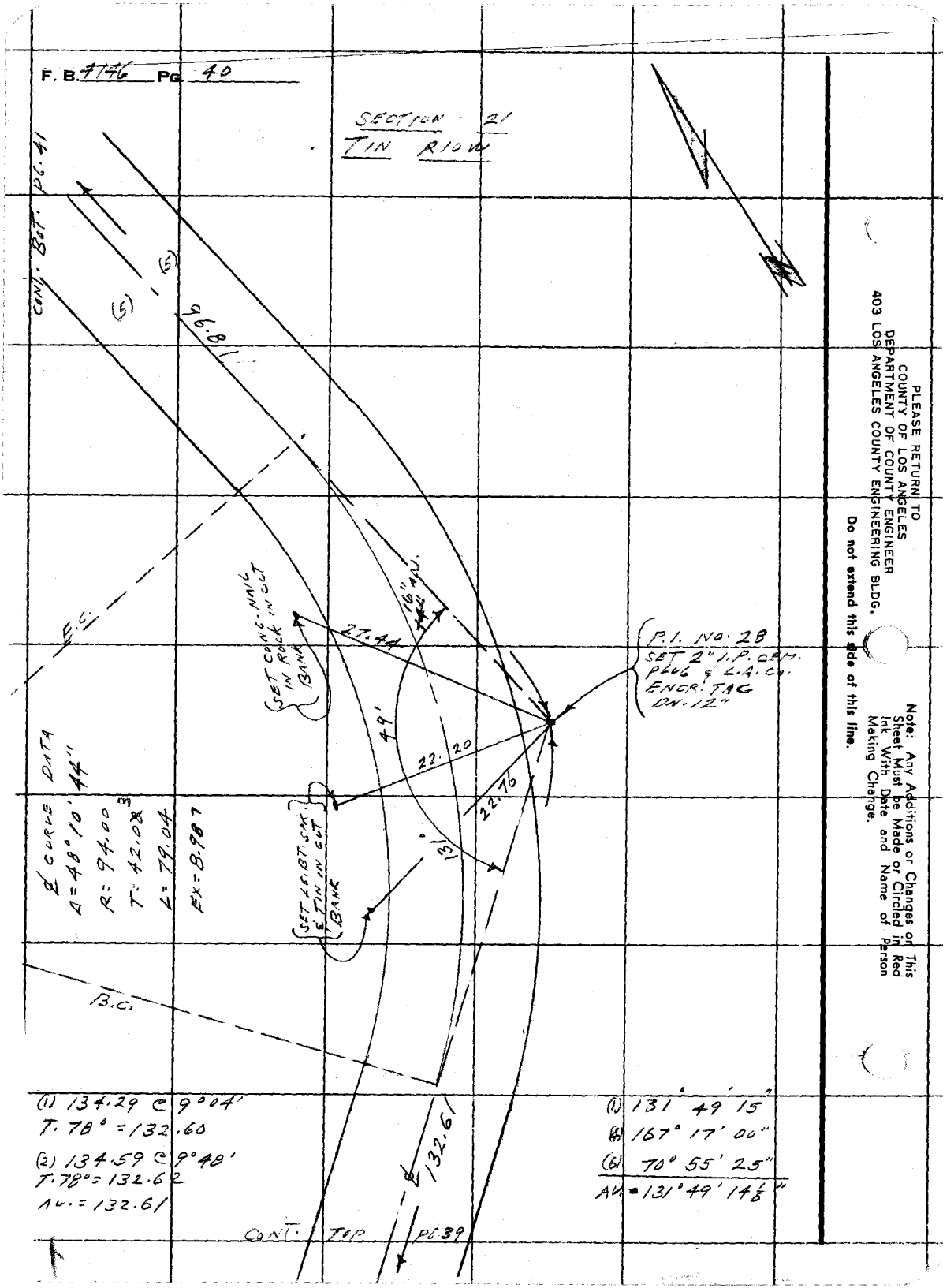
76F3095 CE#310 3-68

F. B. 1146 Pg. 40

SECTION 21
T1N R10W



Δ CURVE DATA
Δ = 48° 10' 44"
R = 94.00
T = 42.08
L = 79.04
EX = 8.98

(1) 134.29 @ 9°04'
T. 78° = 132.60
(2) 134.59 @ 9°48'
T. 78° = 132.62
AV. = 132.61

(1) 131° 49' 15"
(4) 167° 17' 00"
(6) 70° 55' 25"
AV. = 131° 49' 14½"

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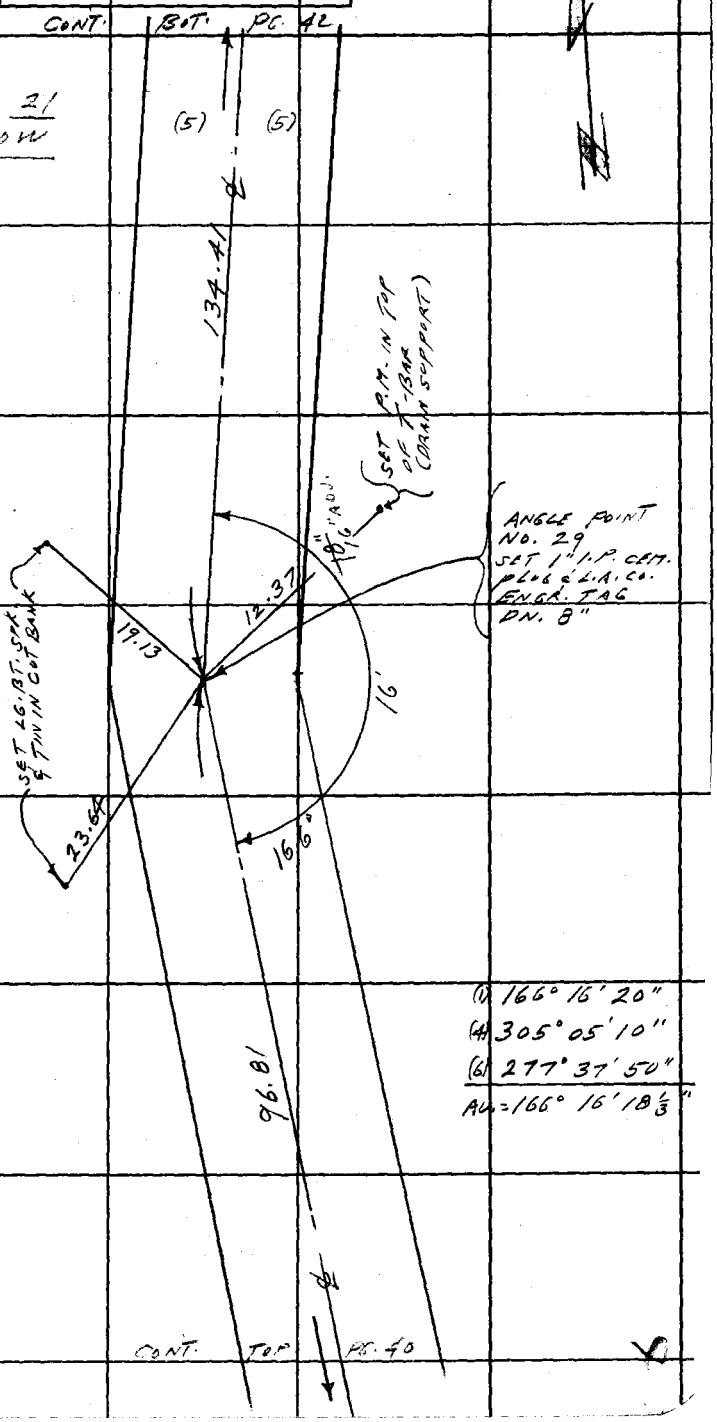
Notes Ck'd By BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 1-15-74
Date	Indexed PALMERI MAY 9 1974

F. B. 4146 PG. 41



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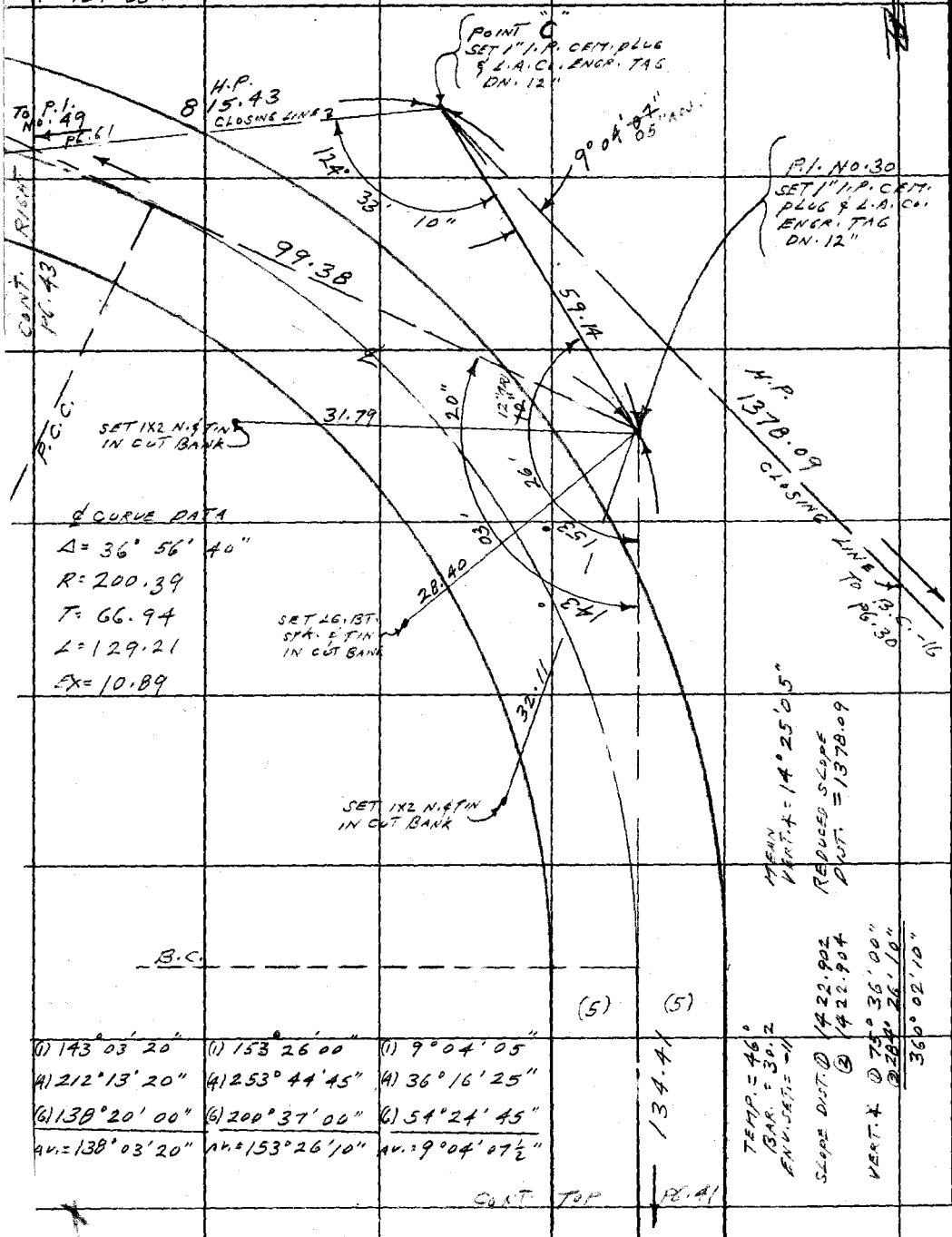
76F309S CE#310 3-68

F. B. 4146 PG. 42

(1) 124° 33' 15"
(4) 138° 12' 20"
(6) 27° 19' 00"
AV.: 124° 33' 10"

(1) 59.68 @ 7° 41'
T. 78° = 59.14
(2) 59.99 @ 9° 39'
T. 78° = 59.14

SECTION 21
T1N R10W



℄ CURVE DATA
Δ = 36° 56' 40"
R = 200.39
T = 66.94
L = 129.21
EX = 10.89

MEAN VERT. ∡ = 14° 25' 05"
REDUCED SLOPE DIST. = 1378.09

TEMP. = 46°
BAR. = 30.2
ENV. SET = -11

SLOPE DIST. ① 1422.902
② 1422.904

VERT. ∡ ① 75° 36' 00"
② 284° 26' 10"
360° 02' 10"

(1) 143° 03' 20"	(1) 153° 26' 00"	(1) 9° 04' 05"
(4) 212° 13' 20"	(4) 253° 44' 45"	(4) 36° 16' 25"
(6) 138° 20' 00"	(6) 200° 37' 00"	(6) 54° 24' 45"
AV. = 138° 03' 20"	AV. = 153° 26' 10"	AV. = 9° 04' 07½"

CONT. TOP PG. 41

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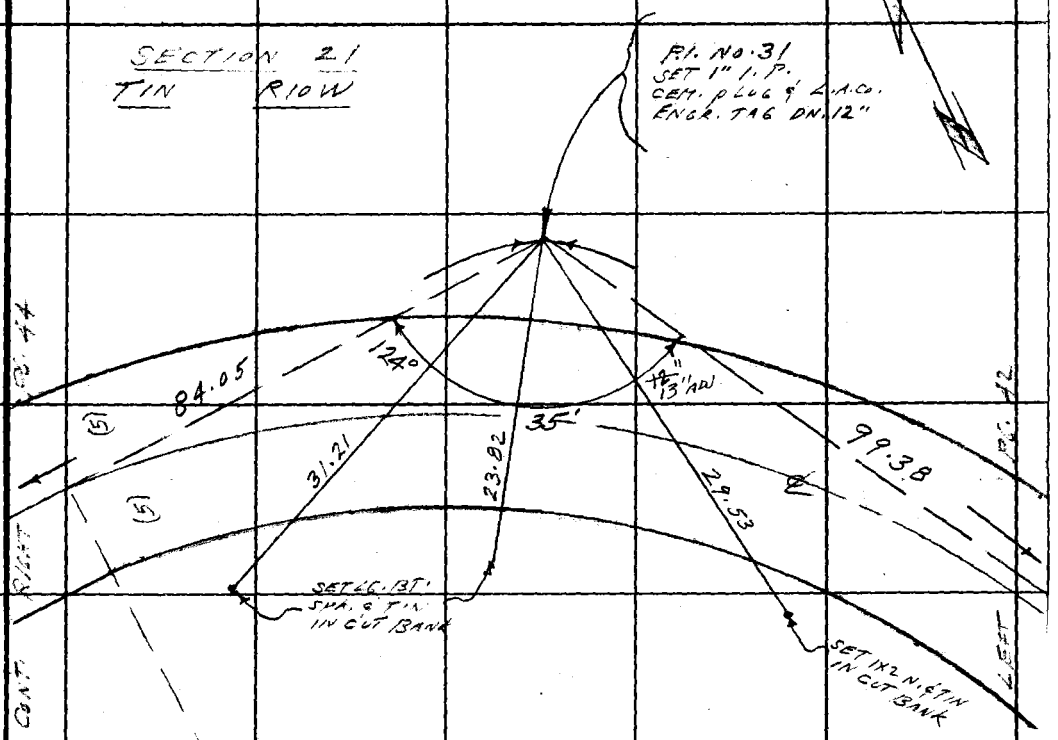
Notes Ck'd by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 056-28 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 1-16-74
Indexed T. M. PALMER MAY 5 1974

F. B. T-176 PG. 43

SECTION 21
T1N R10W

P.I. No. 31
SET 1" I.P.
CEM. PLUG & L.A.CO.
ENGR. TAG ON 12"



℄ CURVE DATA
Δ = 55° 24' 47"
R = 61.77
T = 32.44
L = 59.74
EX = 8.00

(1) 100.45 @ 8°22'
T. 78° = 99.38
(2) 100.82 @ 9°42'
T. 78° = 99.38

(1) 124° 35' 10"
(2) 138° 20' 40"
(3) 27° 31' 15"
Δ = 124° 35' 12"

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

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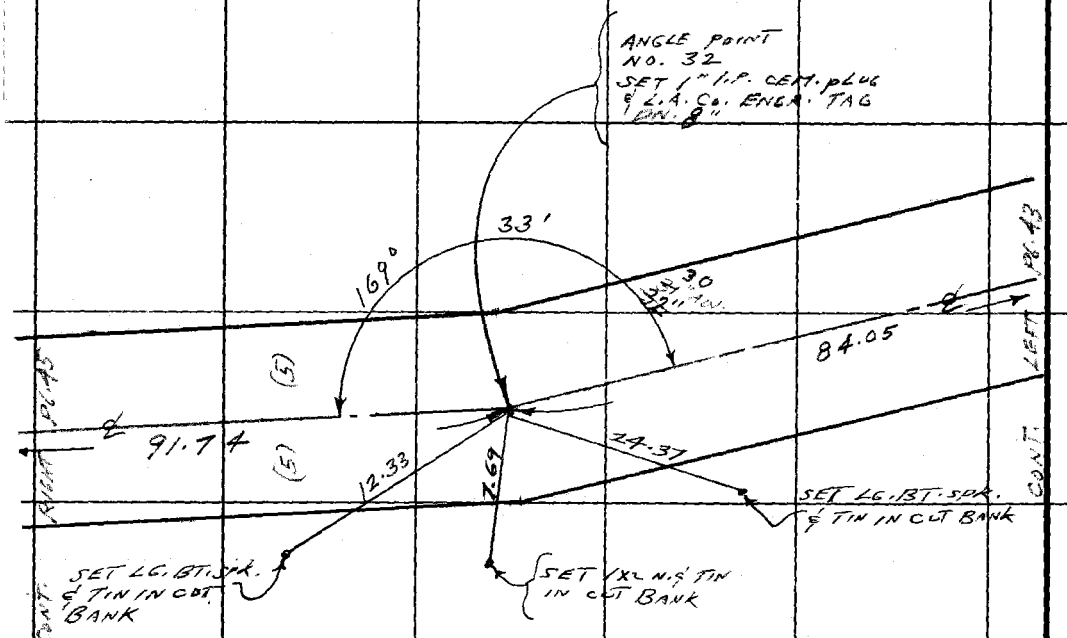
16F3095 CE#310 3-68

F. B. 4146 PG. 44

SECTION 21
T 1N R 10 W

(1) 169° 33' 45"
(A) 318° 14' 15"
(6) 297° 21' 10"
AA = 169° 33' 31 2/3"



(1) 93.37 C 10° 41'
T. 60° = 91.74
(2) 93.67 C 11° 38'
T. 60° = 91.74

(1) 84.55 C 6° 09'
T. 62° = 84.05
(2) 84.69 C 6° 58'
T. 62° = 84.05

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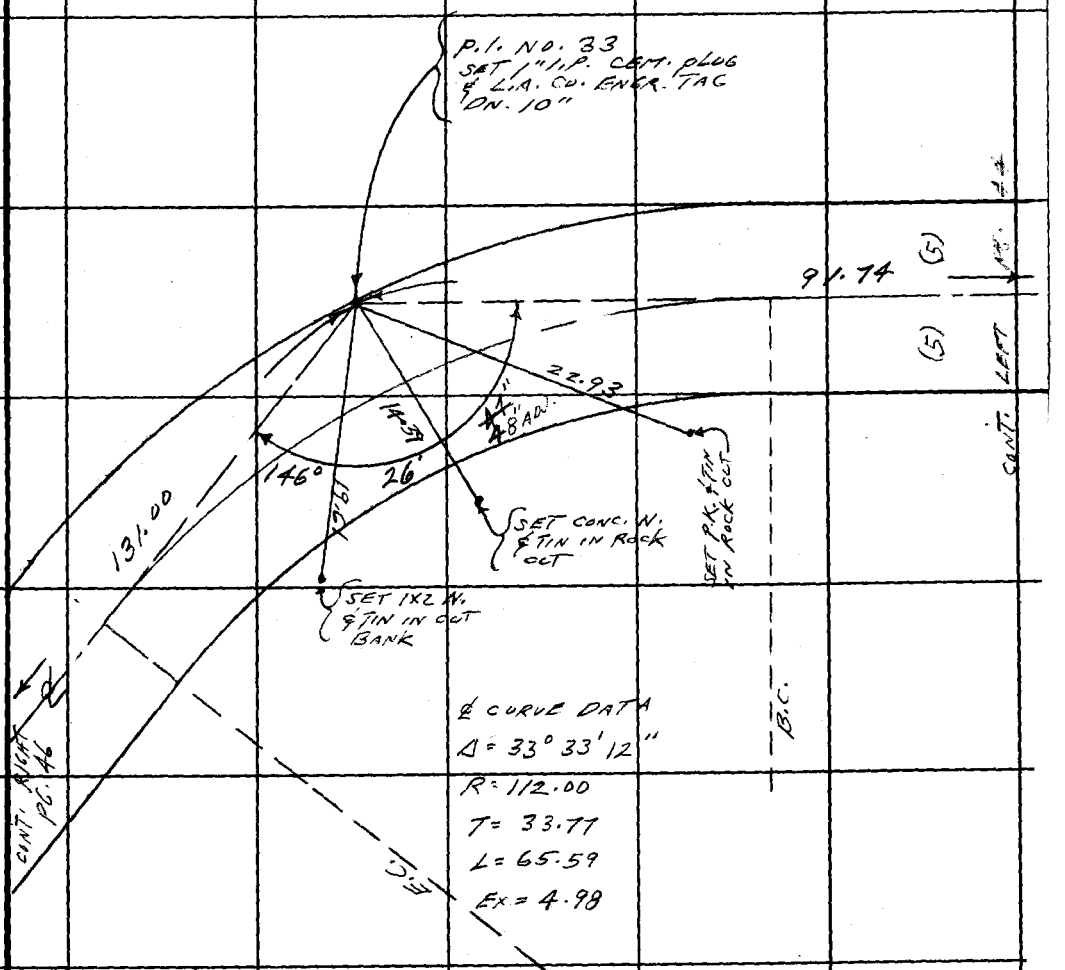
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 1-16-74
Date	Indexed T. M. PALMER MAY 9 1974

F. B. 4146 PG. 45

SECTION 21
TIN R10W



℄ CURVE DATA
Δ = 33° 33' 12"
R = 112.00
T = 33.77
L = 65.59
Ex = 4.98

(1) 146° 26' 40"
(4) 225° 47' 15"
(6) 158° 40' 45"
AU = 146° 26' 47½"

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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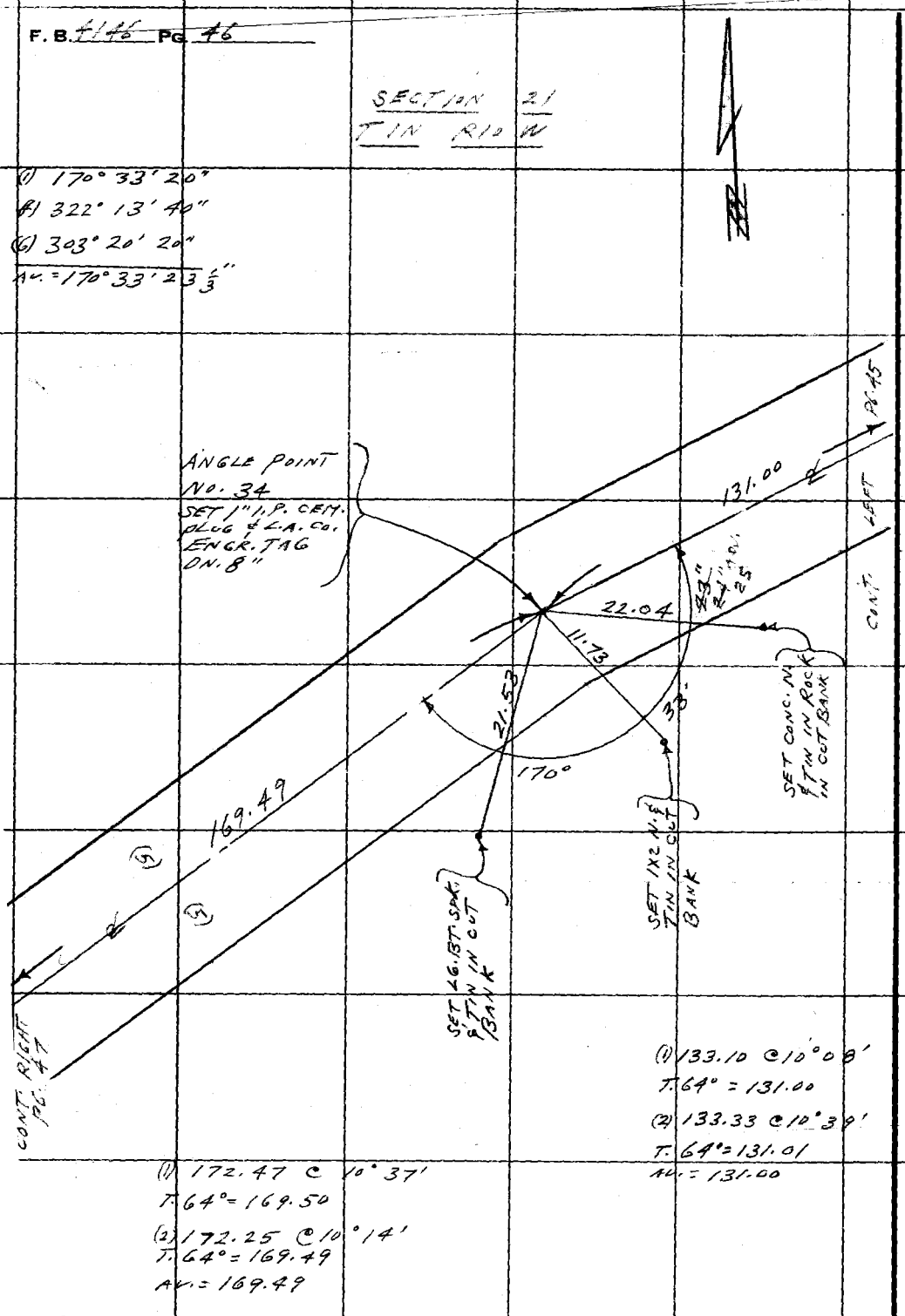
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

F. B. #146 PG. 46

SECTION 21
T 1N R 10 W

(1) 170° 33' 20"
(2) 322° 13' 40"
(3) 303° 20' 20"
Av. = 170° 33' 23 1/3"



(1) 172.47 @ 10° 37'
T. 64° = 169.50
(2) 172.25 @ 10° 14'
T. 64° = 169.49
Av. = 169.49

(1) 133.10 @ 10° 08'
T. 64° = 131.00
(2) 133.33 @ 10° 39'
T. 64° = 131.01
Av. = 131.00

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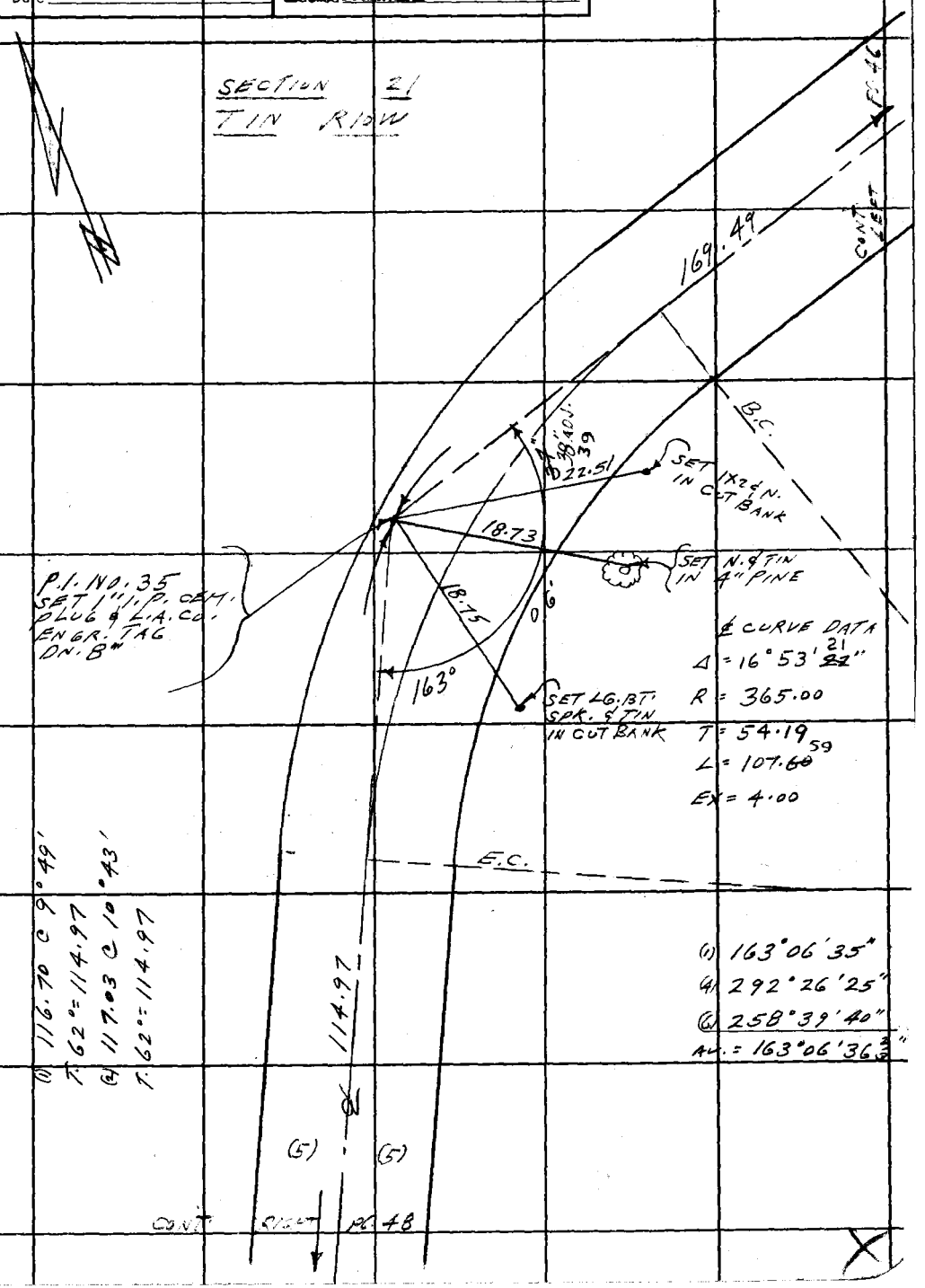
Note: Any Additions or Changes of This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 1-16-74
Ed. Mod PALMER MAY 9 1974

F. B. 4146 PG. 47

SECTION 21
T 1N R 10W



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

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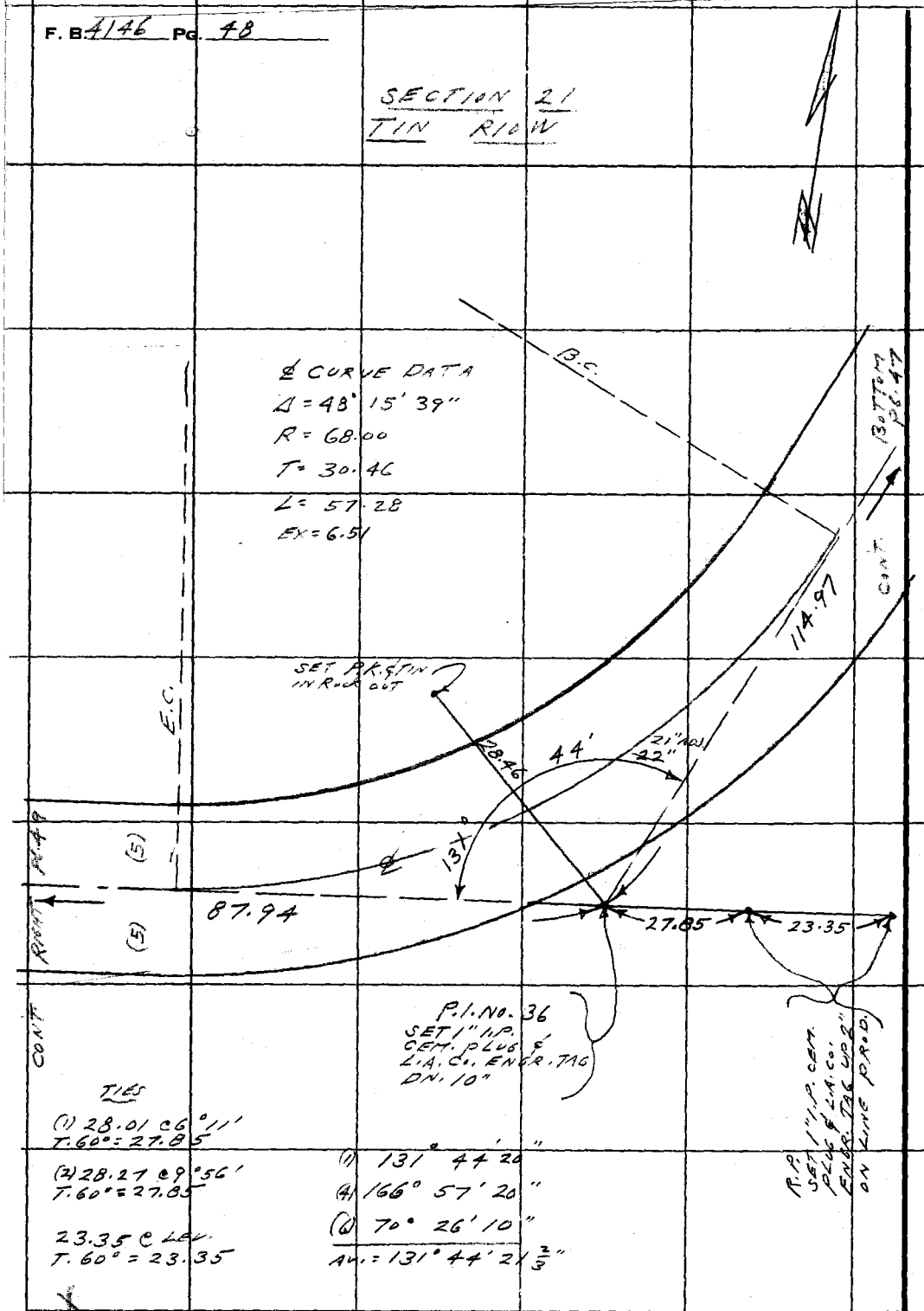
76F309S CE#310 3-68

F. B. 4146 Pg. 48

SECTION 21
TIN R10W



TIES

(1) 28.01 @ 6° 11'
T. 60° = 27.85

(2) 28.27 @ 9° 56'
T. 60° = 27.85

23.35 @ LEV.
T. 60° = 23.35

(1) 131° 44' 20"
(4) 166° 57' 20"
(6) 70° 26' 10"
AV. = 131° 44' 21 2/3"

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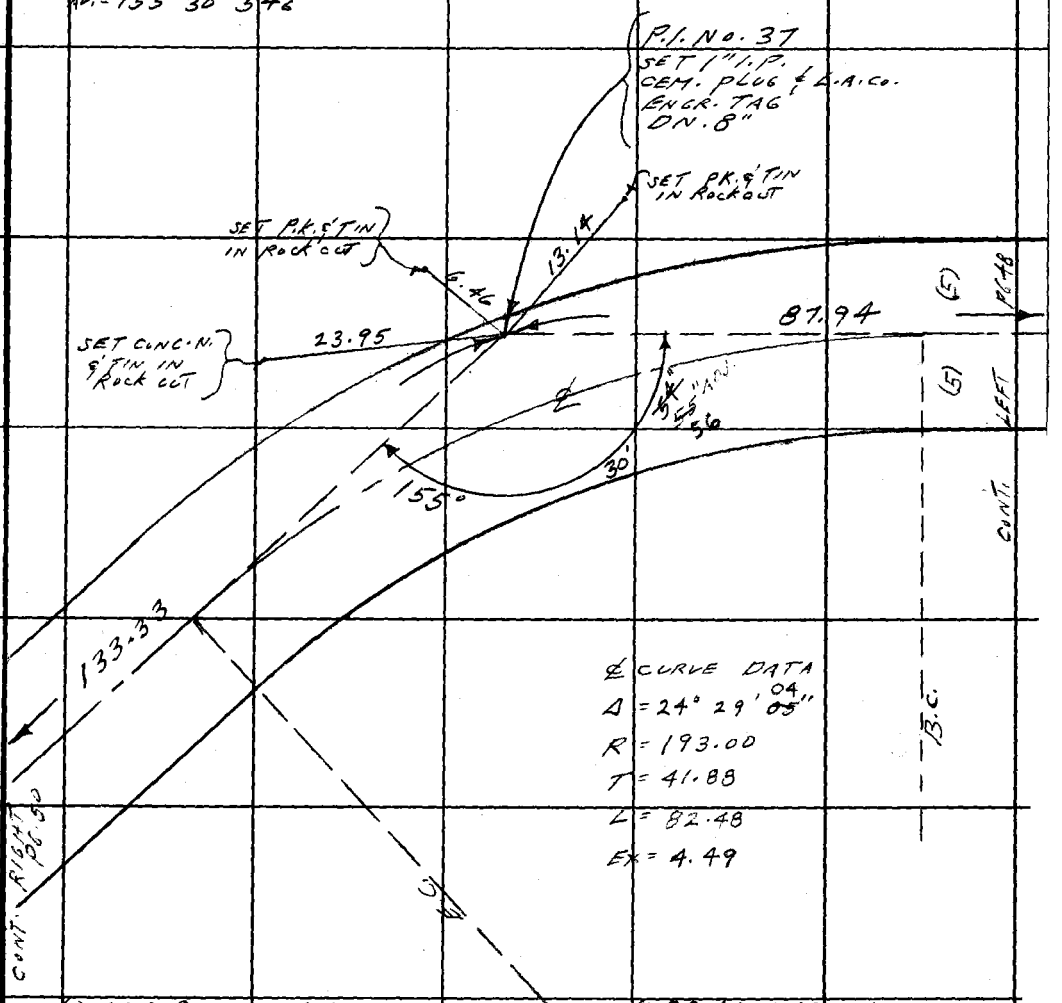
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 49
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 1-16-74	
Date	Indexed K. M. PALMER MAY 9 1974	

(1) 155° 30' 45"
(4) 262° 03' 30"
(6) 213° 05' 25"
AV. = 155° 30' 54 1/6"

SECTION 21
TIN R10W



℄ CURVE DATA
Δ = 24° 29' ~~05~~ 04"
R = 193.00
T = 41.88
L = 82.48
EX = 4.49

(1) 134.89 @ 8°40'
T. 64° = 133.33
(2) 135.18 @ 9°26'
T. 64° = 133.33

(1) 88.48 @ 6° 17'
T. 64° = 87.94
(2) 88.69 @ 7° 25'
T. 64° = 87.94

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

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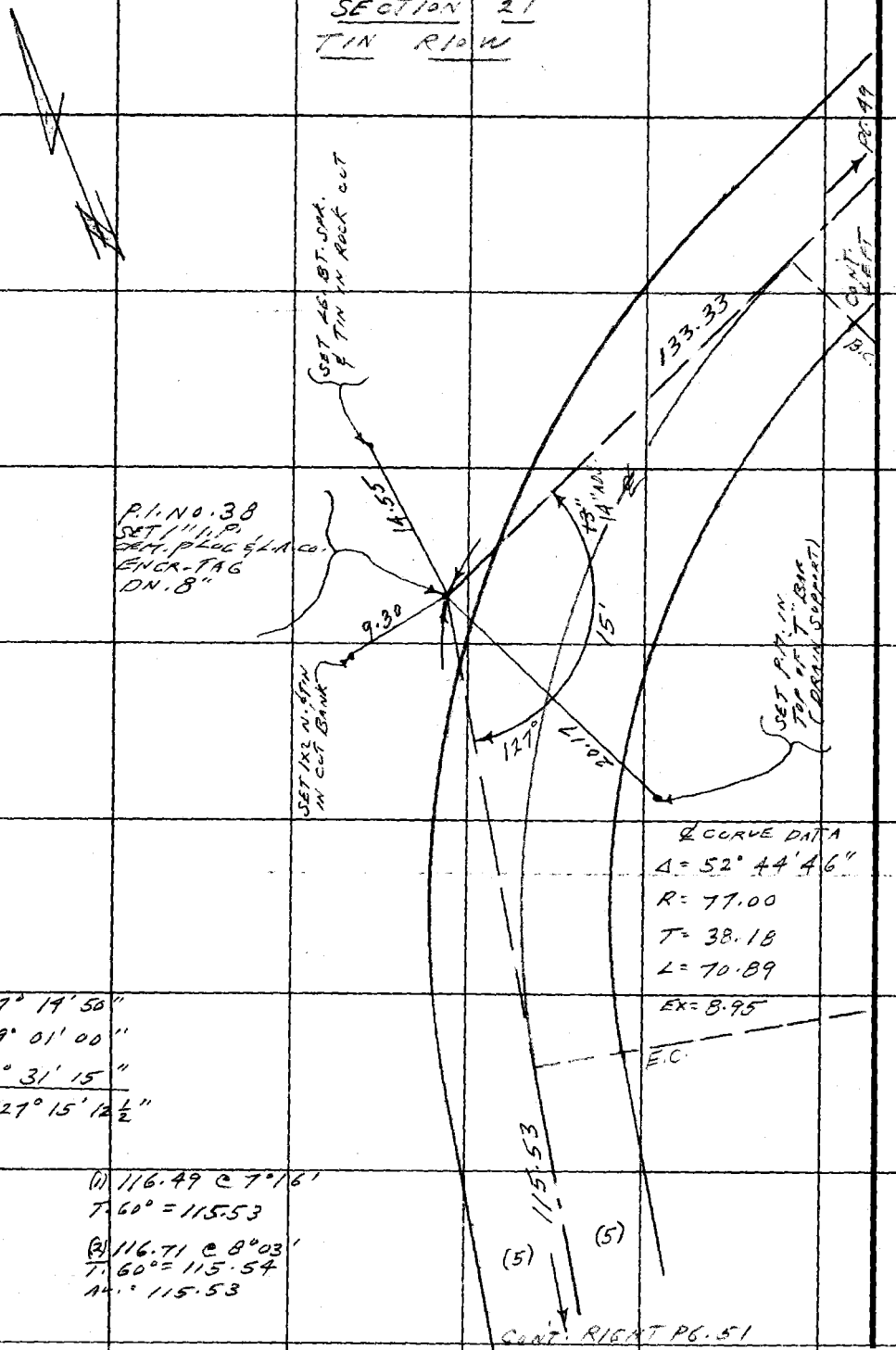
76F309S CE#310 3-68

F. B. 4146 PG. 50

SECTION 21
T1N R10W



(1) 127° 14' 50"
(4) 149° 01' 00"
(6) 43° 31' 15"
AV. = 127° 15' 12½"

(1) 116.49 @ 7°16'
T. 60° = 115.53

(2) 116.71 @ 8°03'
T. 60° = 115.54
AV. = 115.53

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

Survey of VAN TASSEL MOTORWAY
JN 0056:20 Tape 199 Std. 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 1-22-74
In Tex M. PALMERI MAY 9 1974

F. B. 4146 PG. 51

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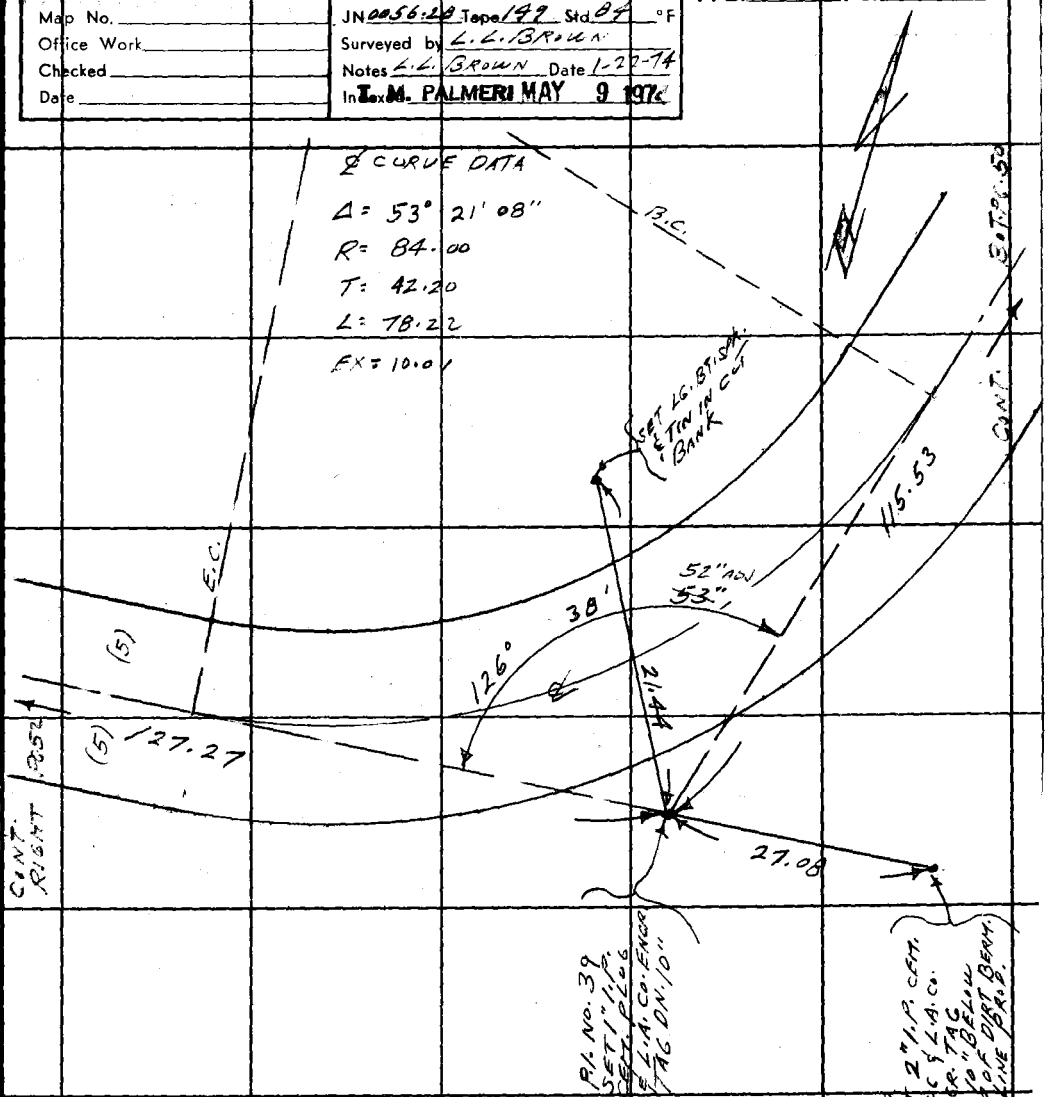
℄ CURVE DATA
Δ = 53° 21' 08"
R = 84.00
T = 42.20
L = 78.22
EX = 10.01



(1) 126° 39' 00"
(4) 146° 35' 25"
(6) 39° 53' 20"
AH = 126° 38' 53 1/3"

(1) 128.24 @ 6° 59'
T. 58° = 127.27
(2) 128.41 @ 7° 35'
T. 58° = 127.27

SECTION 21
T 1N R 10W

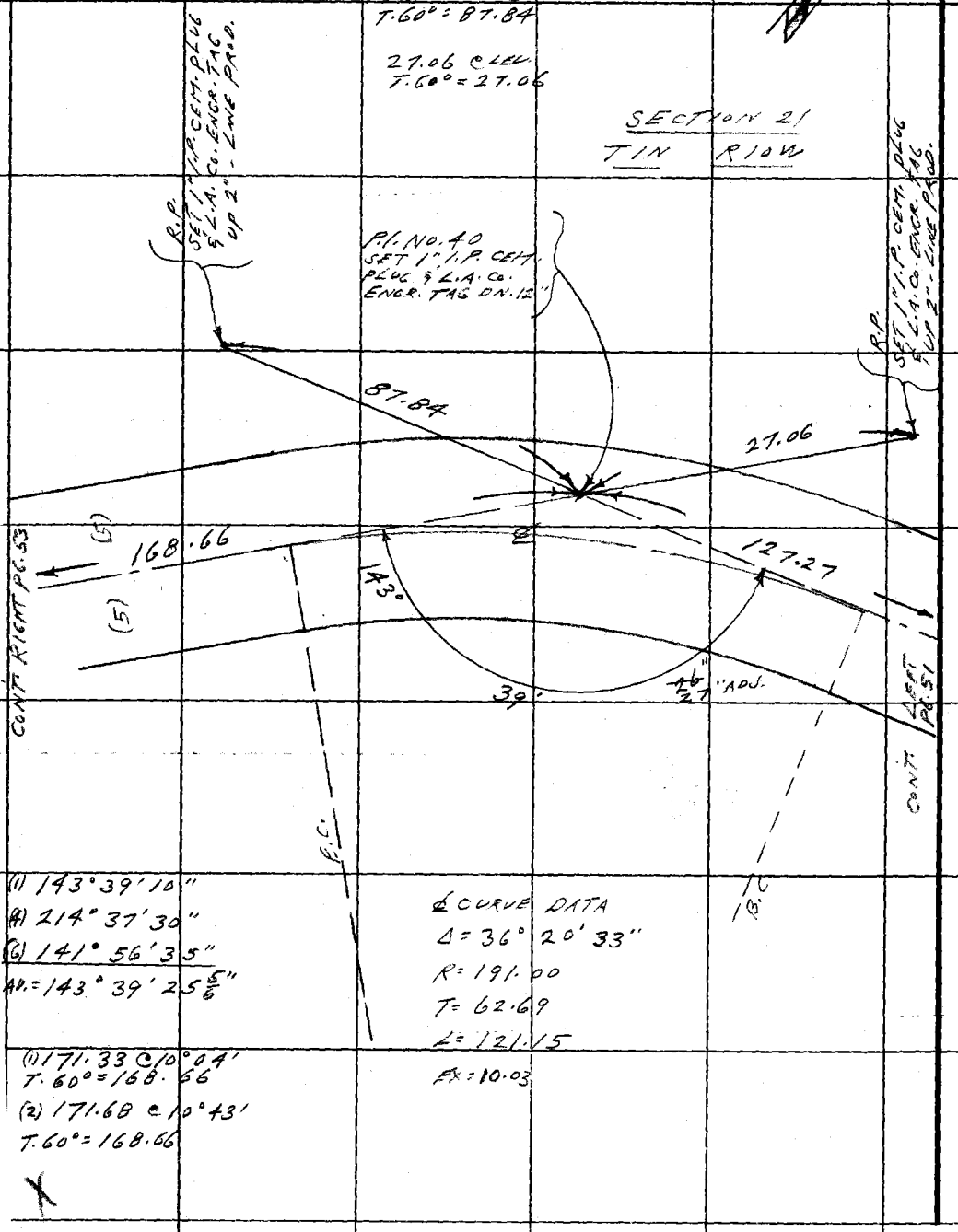
16F3095 CE#310 3-68

F. B. 4146 Pg. 52

TIE:
(1) 88.68 @ 7°52'
T. 60° = 87.84
(2) 88.98 @ 9°09'
T. 60° = 87.84

27.06 @ LEV.
T. 60° = 27.06

SECTION 21
T 1N R 10W



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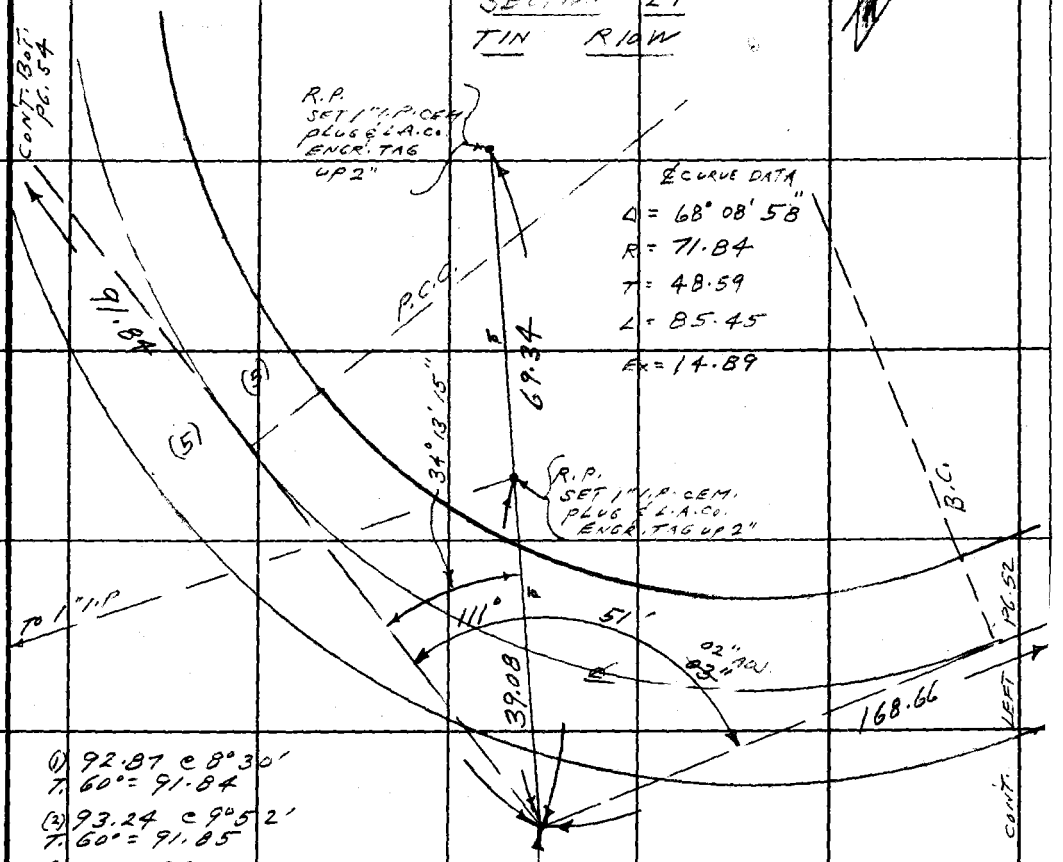
Notes Ck'd by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape 149 Std. 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 1-22-74
Indexed T.M. PALMERI MAY 9 1974

F. B. 4146 PG. 53

SECTION 21
T1N R16W



℄ CURVE DATA
Δ = 68° 08' 58"
R = 71.84
T = 48.59
L = 85.45
Ex = 14.89

71.84
69.34
34° 13' 15"
111° 51'
39.08
168.66

(1) 92.87 @ 8° 30'
T. 60° = 91.84
(3) 93.24 @ 9° 52'
T. 60° = 91.85
Av. = 91.84

(1) 111° 51' 05"
(4) 87° 24' 15"
(6) 311° 06' 20"
Av. = 111° 51' 03½"

(1) 34° 12' 55"
(2) 65° 26' 30"
Av. = 34° 13' 15"

TIES
(1) 39.55 @ 8° 45'
T. 60° = 39.08
(2) 39.95 @ 11° 53'
T. 60° = 39.08

TIES
(1) 70.58 @ 10° 42'
T. 60° = 69.34
(4) 70.85 @ 11° 49'
T. 60° = 69.34

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16F309S CE#310 3-68

F. B. 416 Pg. 54

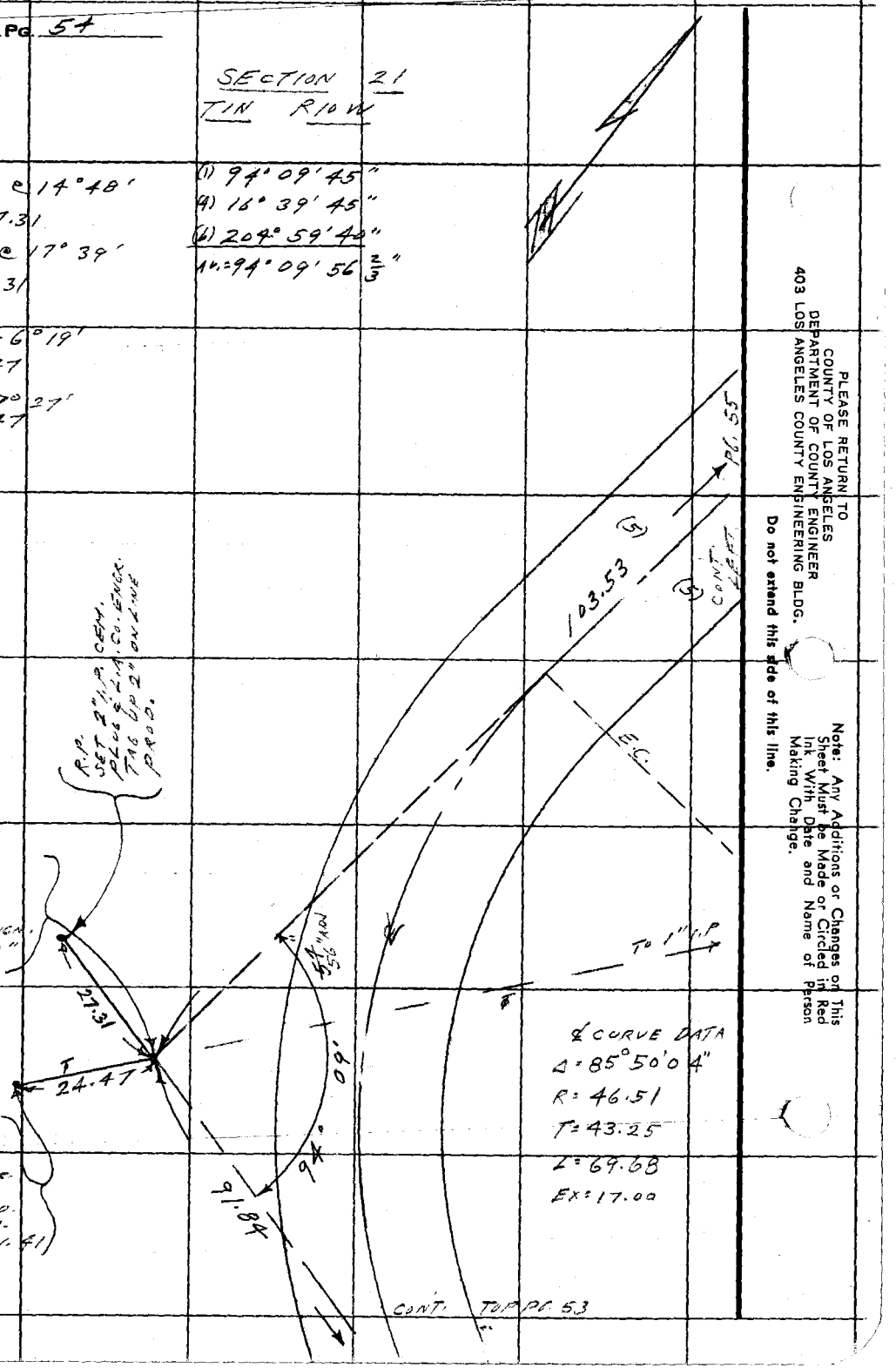
SECTION 21
T1N R10W

TIES.

(1) 28.25 @ 14° 48'
T. 60° = 27.31
(2) 28.66 @ 17° 39'
T. 60° = 27.31

(1) 24.62 @ 6° 19'
T. 60° = 24.47
(2) 24.81 @ 9° 27'
T. 60° = 24.47

(1) 94° 09' 45"
(4) 16° 39' 45"
(6) 209° 59' 42"
Ck: 94° 09' 56 2/3"



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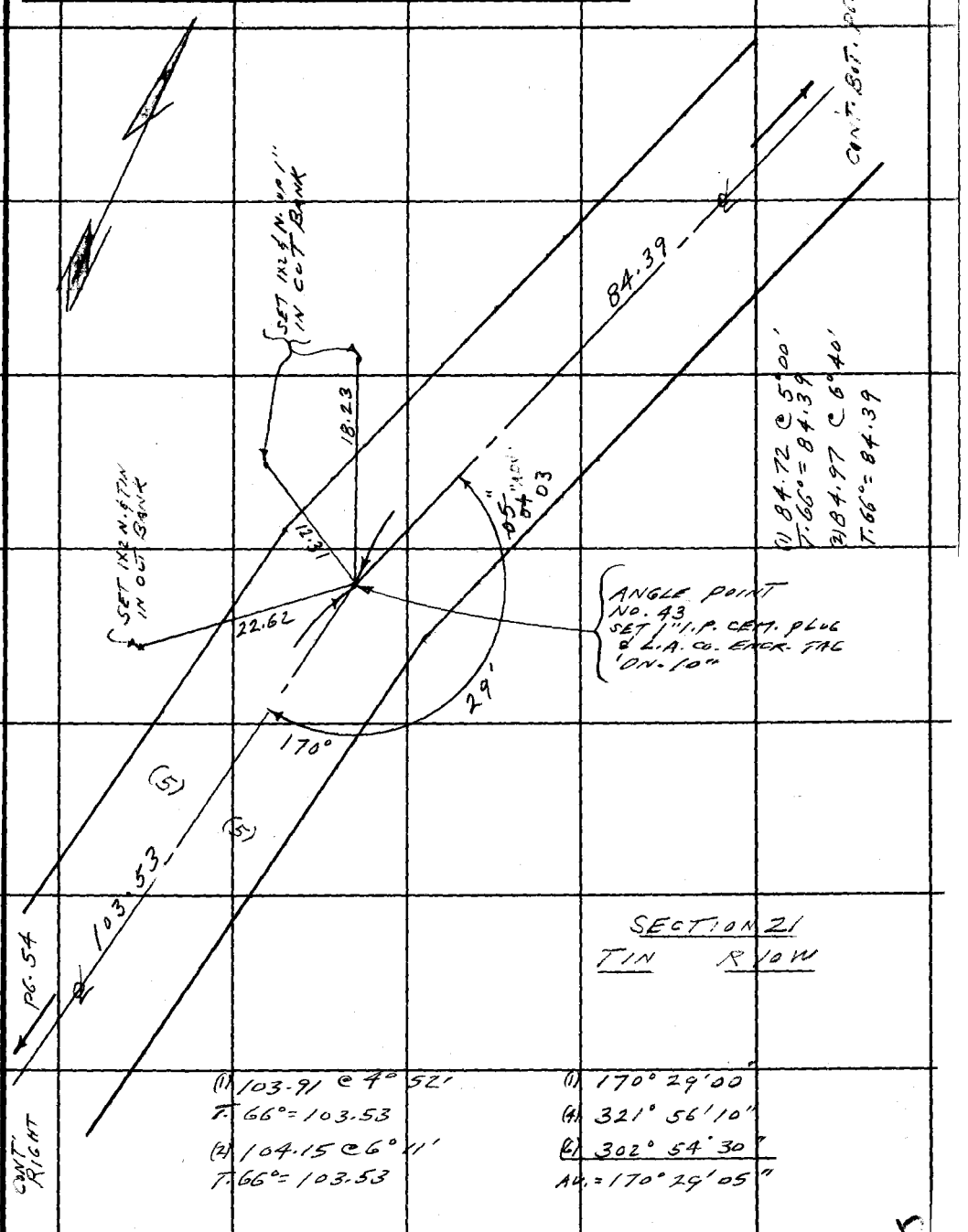
Notes Cmd By R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0562.28 Tape 49 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 1-22-74
Indexed T.M. PALMER MAY 9 1974

F. B. 4146 Pg. 55



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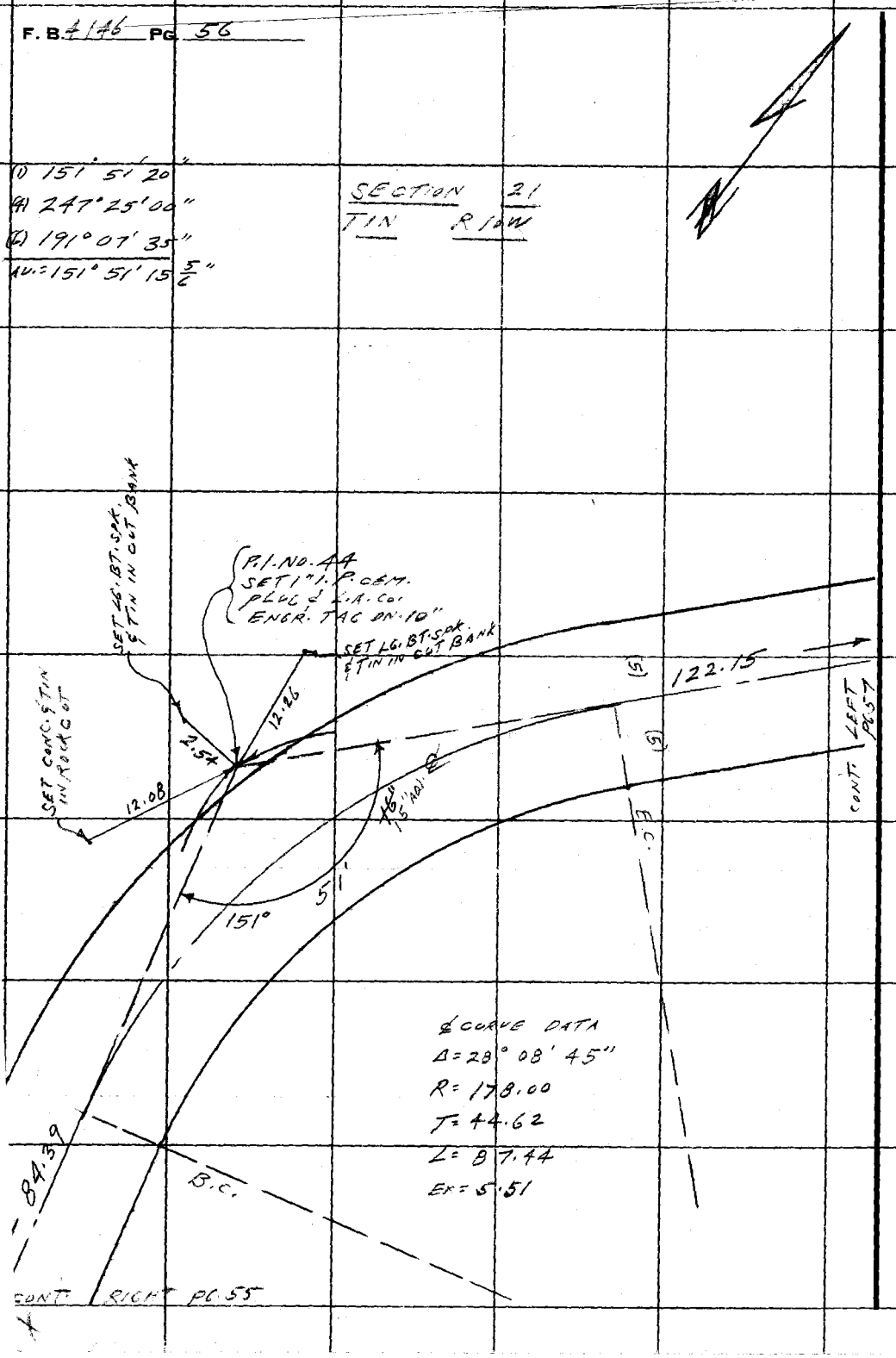
16F3095 CE#310 3-68

F. B. 1146 PG. 56

(1) 151° 51' 20"
(A) 247° 25' 00"
(L) 191° 07' 35"
AV.: 151° 51' 15 5/6"

SECTION 21
T 1N R 10W



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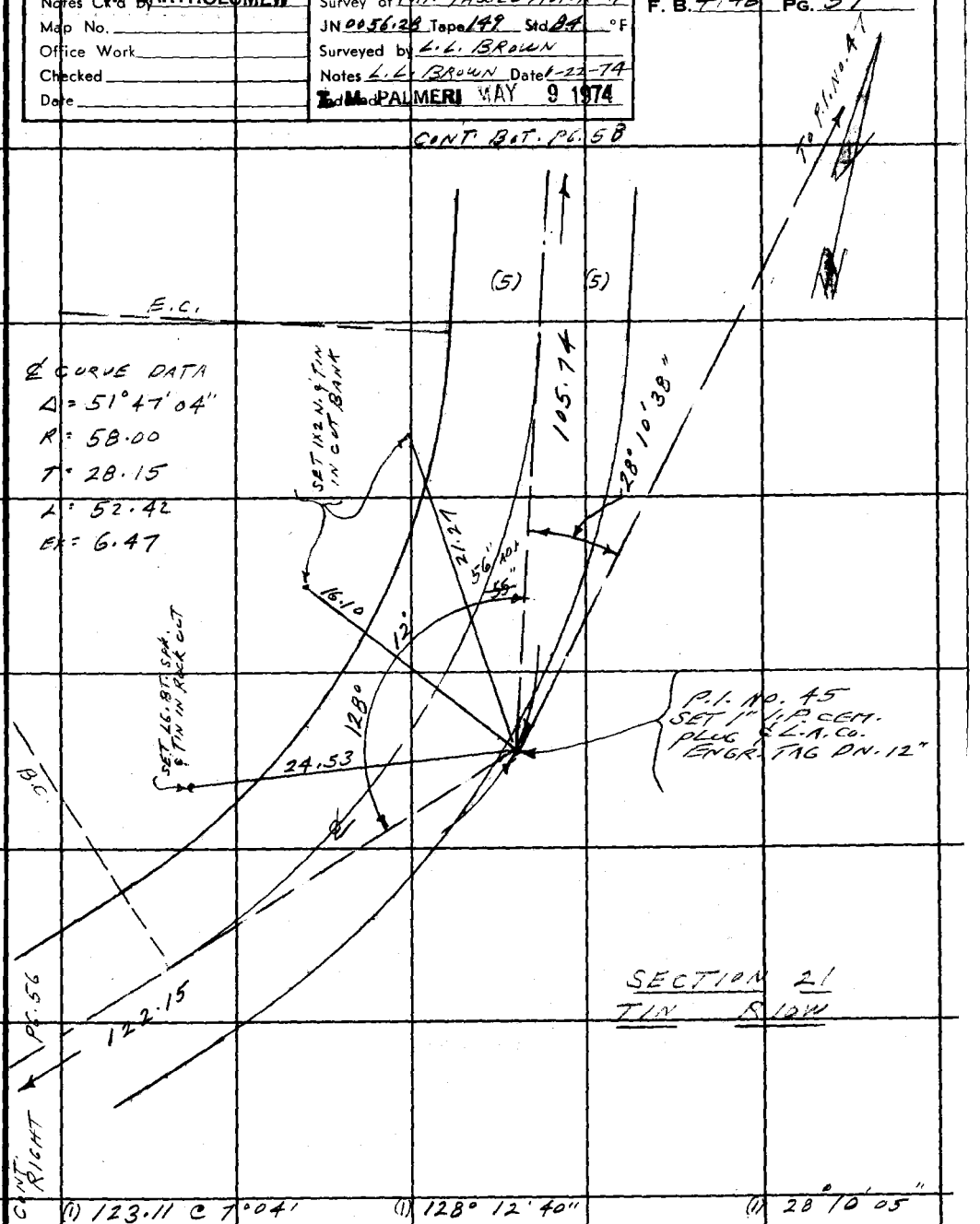
Note: Any Additions or Changes of This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 1-22-74
Date	Tracked by T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 57



(1) 123.11 @ 7°04'
T. 64° = 122.15
(2) 123.35 @ 7°54'
T. 64° = 122.16
AV. = 122.15

(1) 128° 12' 40"
(4) 152° 51' 40"
(6) 49° 17' 30"
AV. = 128° 12' 55"

(1) 28° 10' 05"
(4) 112° 42' 35"
(6) 169° 03' 45"
AV. = 28° 10' 37½"

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

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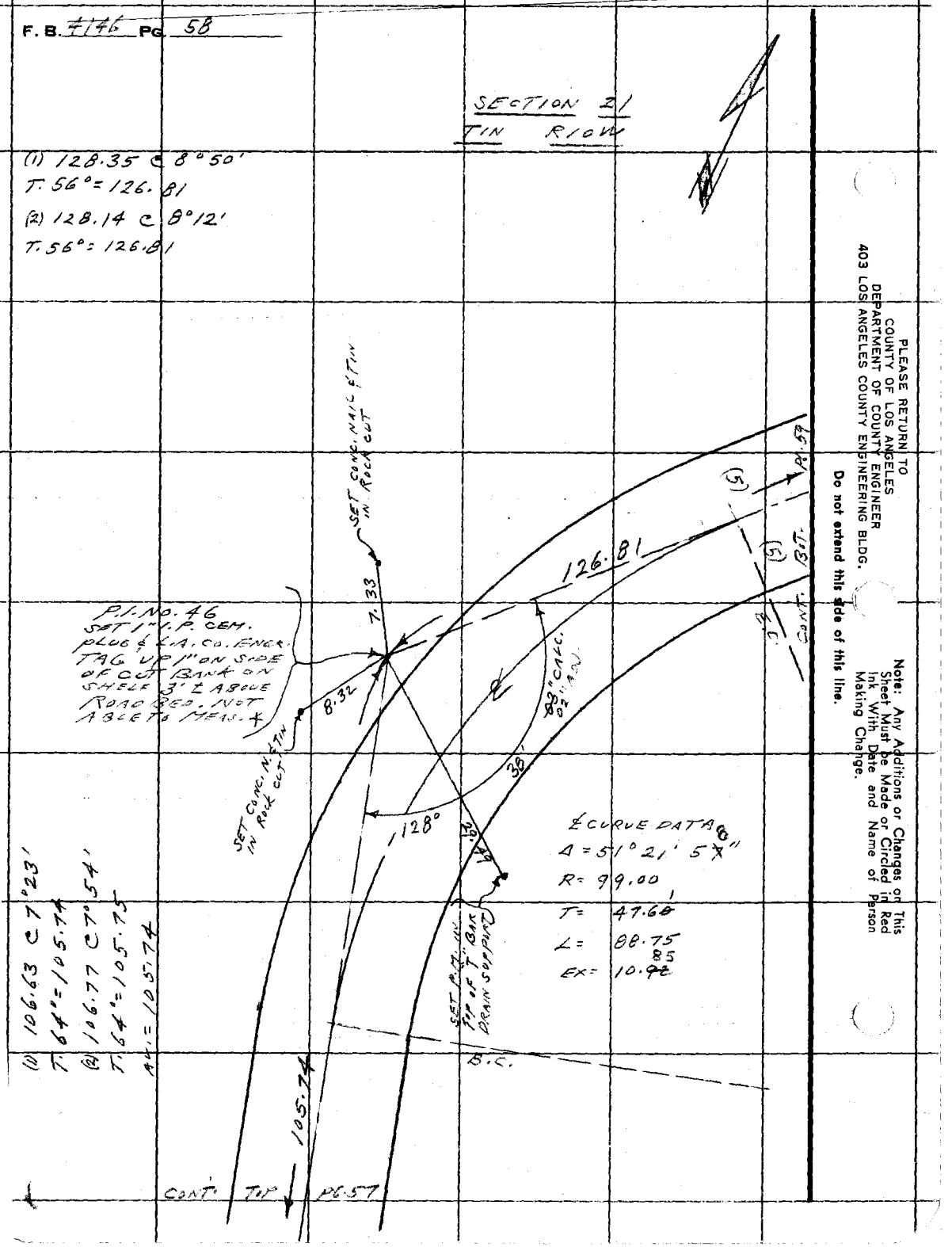
76F309S CE#310 3-68

F. B. #176 PG. 58



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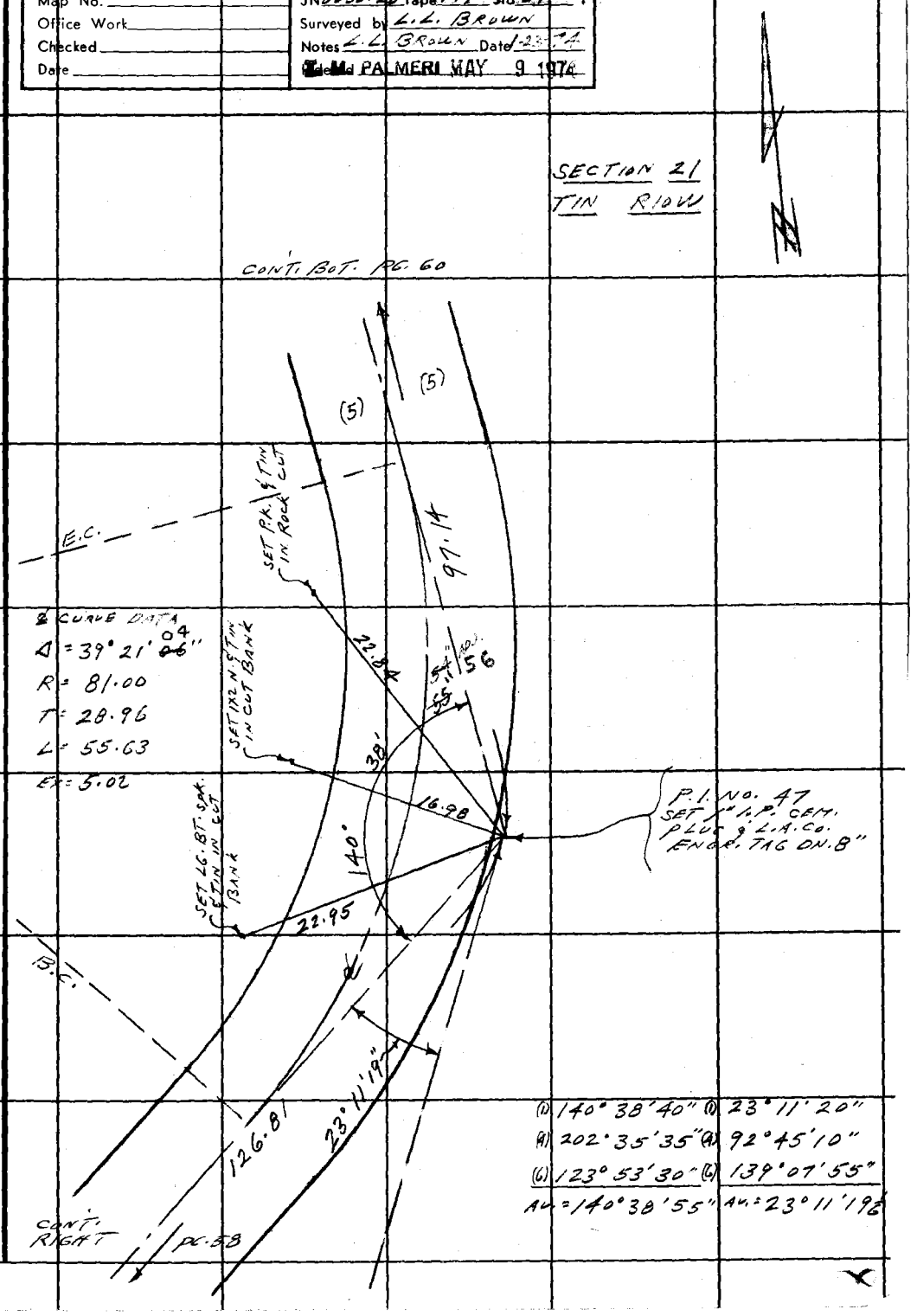
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by B. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 Pg. 59
Map No.	JN 0056.28 Tape 149 Std. 84 °F	
Office Work	Surveyed by L.L. BROWN	
Checked	Notes L.L. BROWN Date 1-23-74	
Date	Tide M. PALMERI MAY 9 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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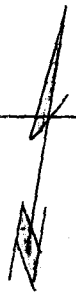
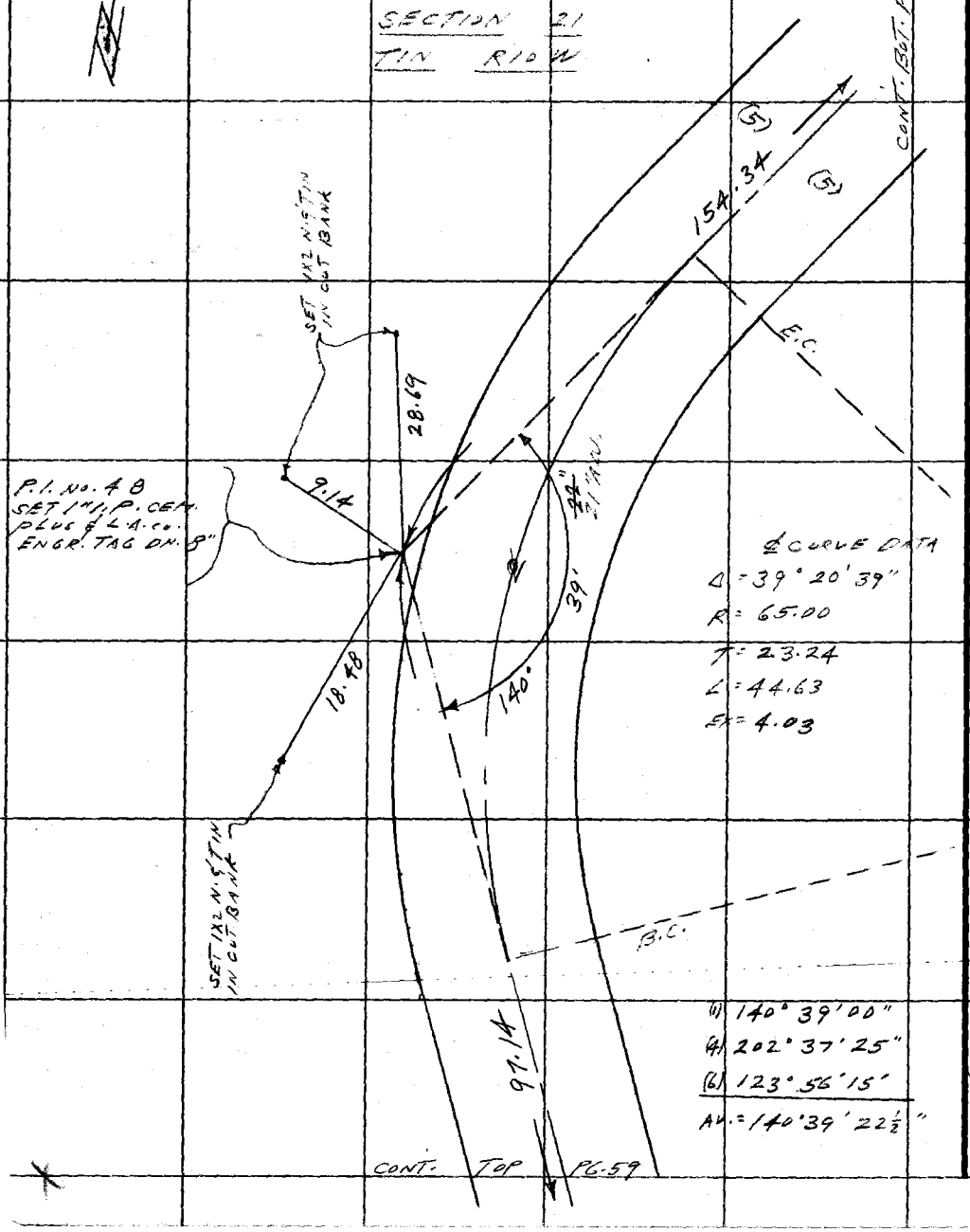
76F309S CE#310 3-68

F. B. #176 PG. 60

(1) 154.97 @ 5° 04'
T. 64° = 154.34
(2) 155.10 @ 5° 34'
T. 64° = 154.35
AV. = 154.34

SECTION 21
T1N R10W





℄ CURVE DATA
Δ = 39° 20' 39"
R = 65.00
T = 23.24
L = 44.63
E = 4.03

(1) 140° 39' 00"
(4) 202° 37' 25"
(6) 123° 56' 15"
AV. = 140° 39' 22½"

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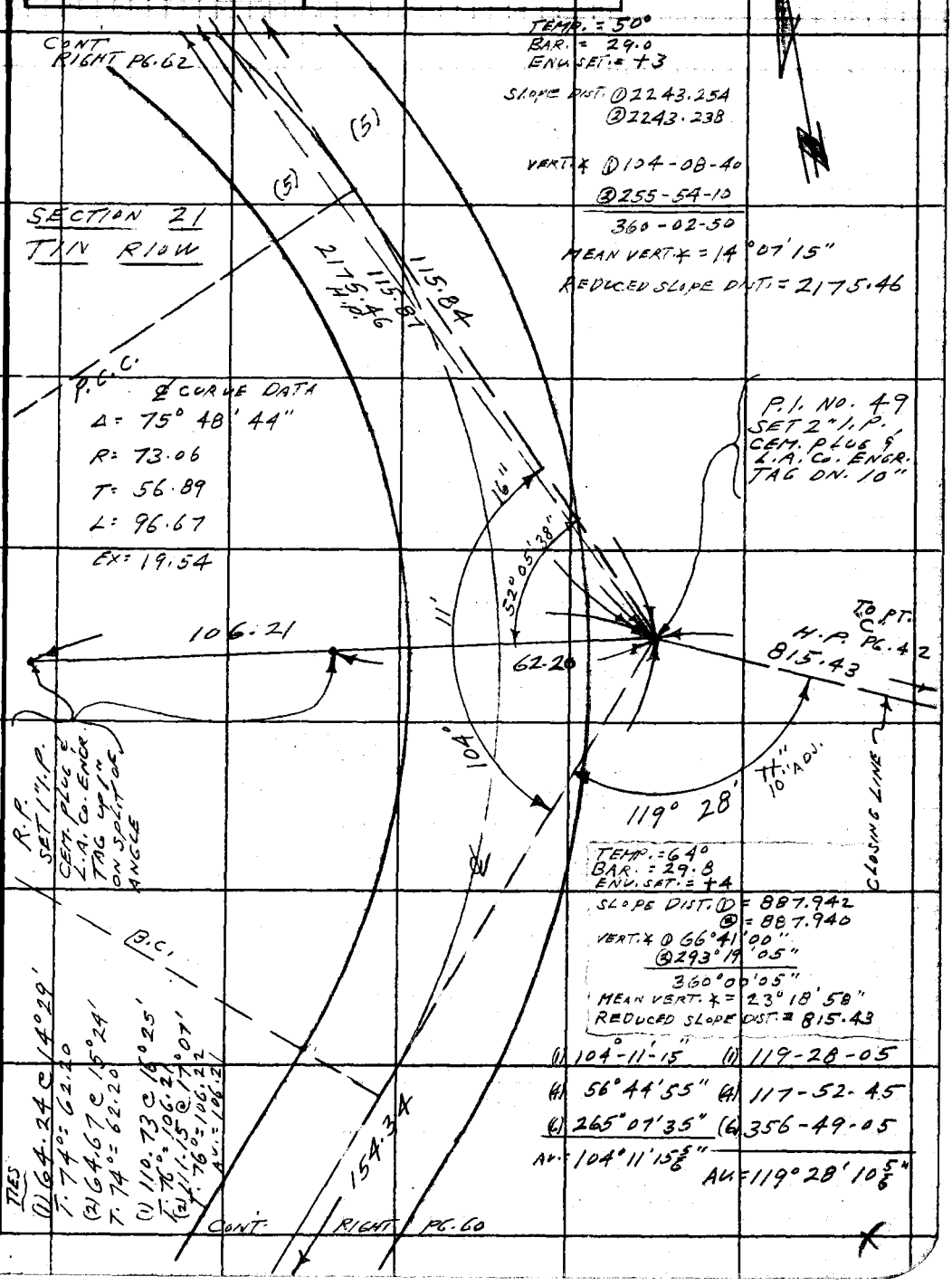
Notes Grid by R. BARTHOLOMEW	Survey of VAN TASSEL MOTOR WAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 1-23-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 61



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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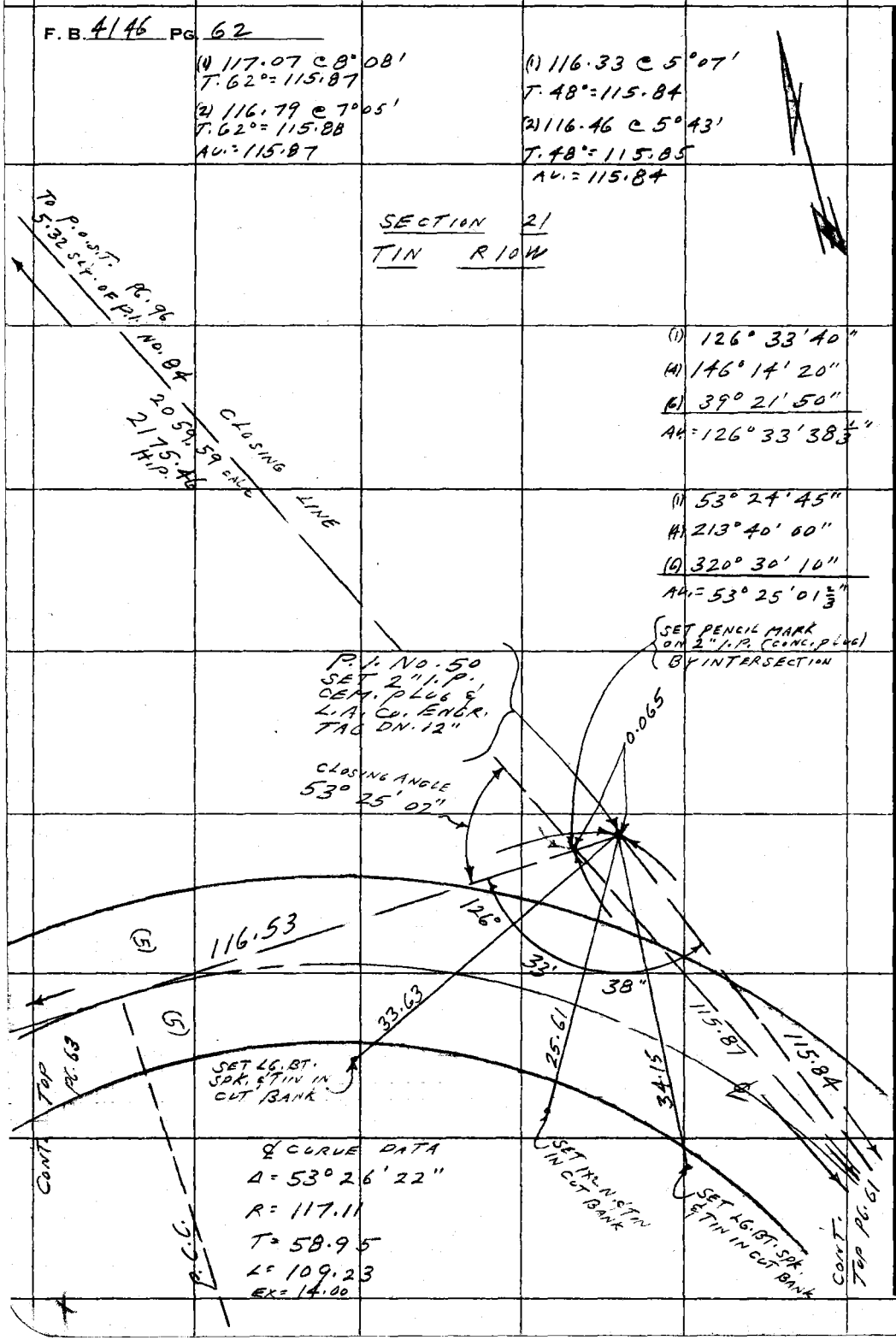
76F309S CE#310 3-69

F. B. 4146 PG. 62



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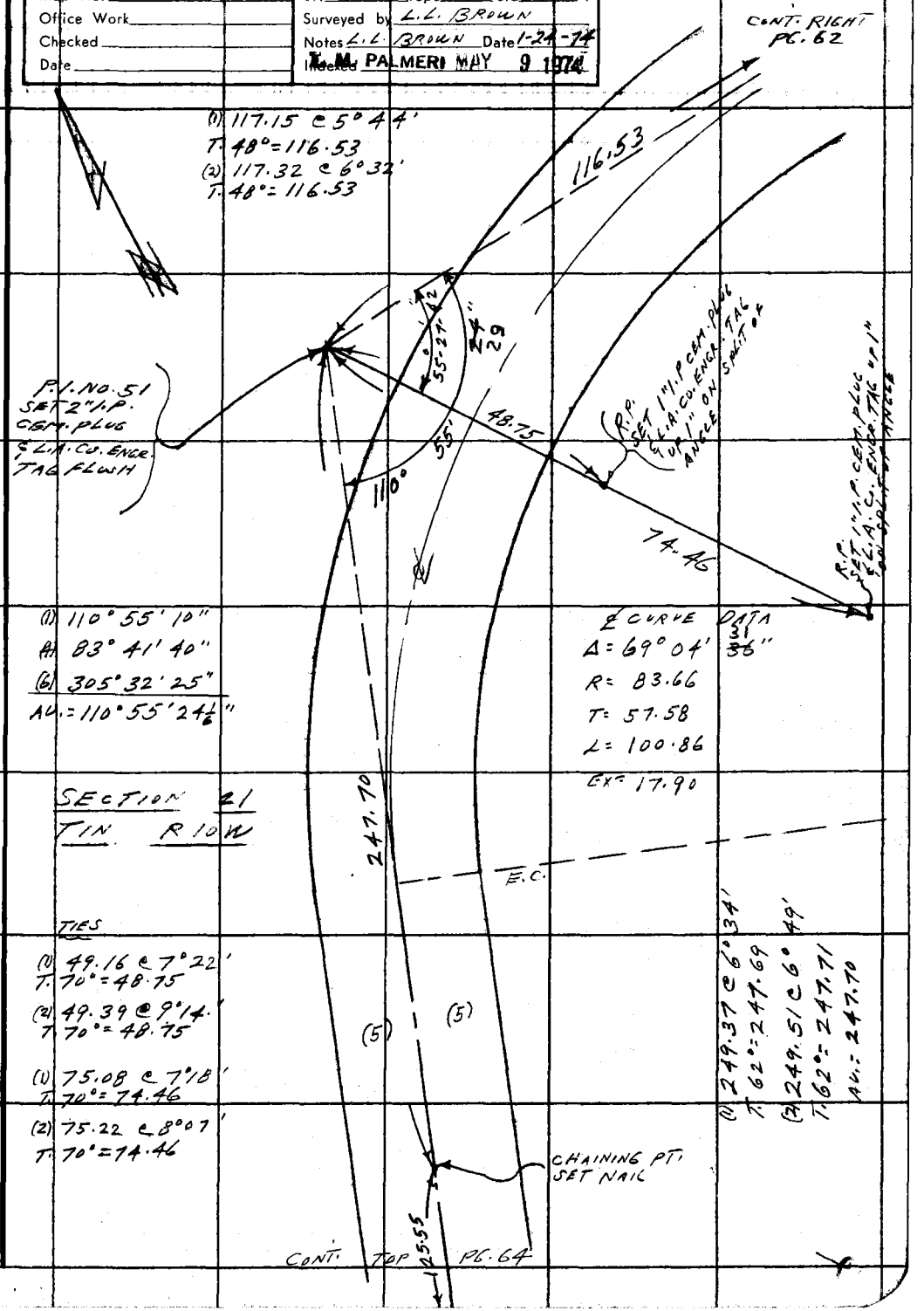
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 1-24-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 63



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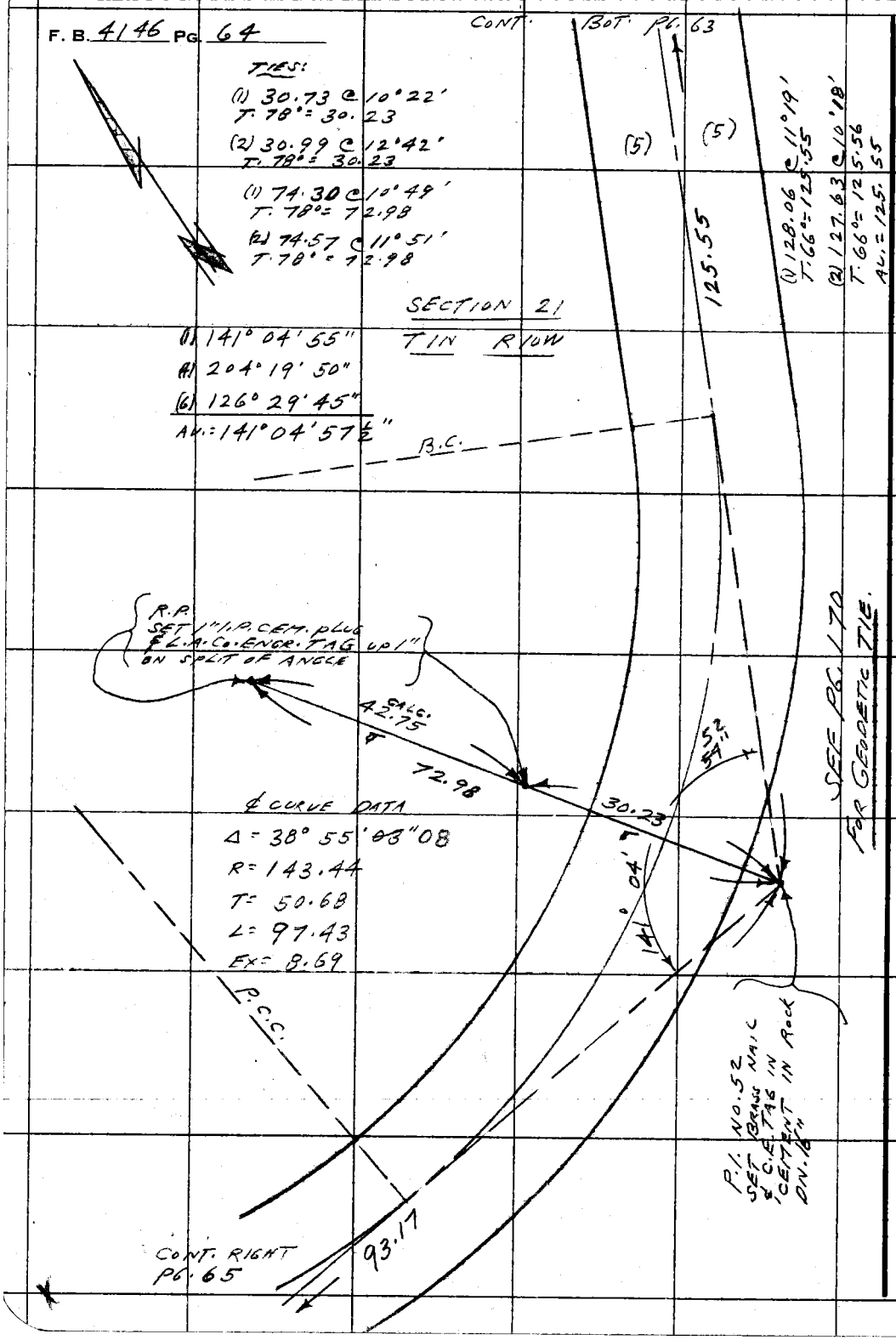
76F309S CE#310 3-69

F. B. 4146 PG. 64



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

Notes Cr'd by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

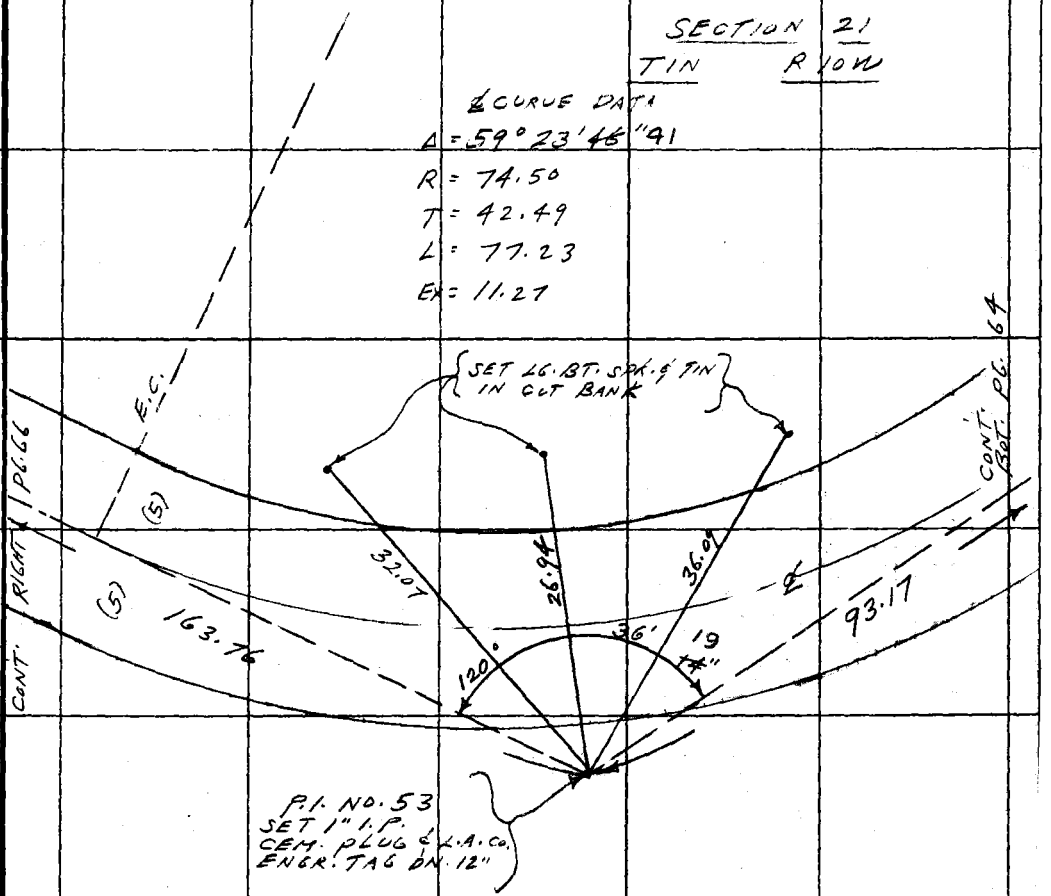
Survey of VAN TASSEL MOTOR WAY
JN 2056.28 Tape 149 Std. 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 1-24-74
Checked T.M. PALMER MAY 9 1974

F. B. 4140 PG. 65

(1) 164.80 @ 6°24'
T. 62° = 163.75
(2) 164.65 @ 5°52'
T. 62° = 163.77
AV. = 163.76

SECTION 21
T 1N R 10W

℄ CURVE DATA
Δ = 59°23'46"91
R = 74.50
T = 42.49
L = 77.23
E = 11.27



(1) 120°36'10"
(4) 122°25'10"
(6) 03°37'25"
AV. = 120°36'14 1/6"

(1) 93.60 @ 5°26'
F. 62° = 93.17
(2) 93.76 @ 6°23'
F. 62° = 93.17

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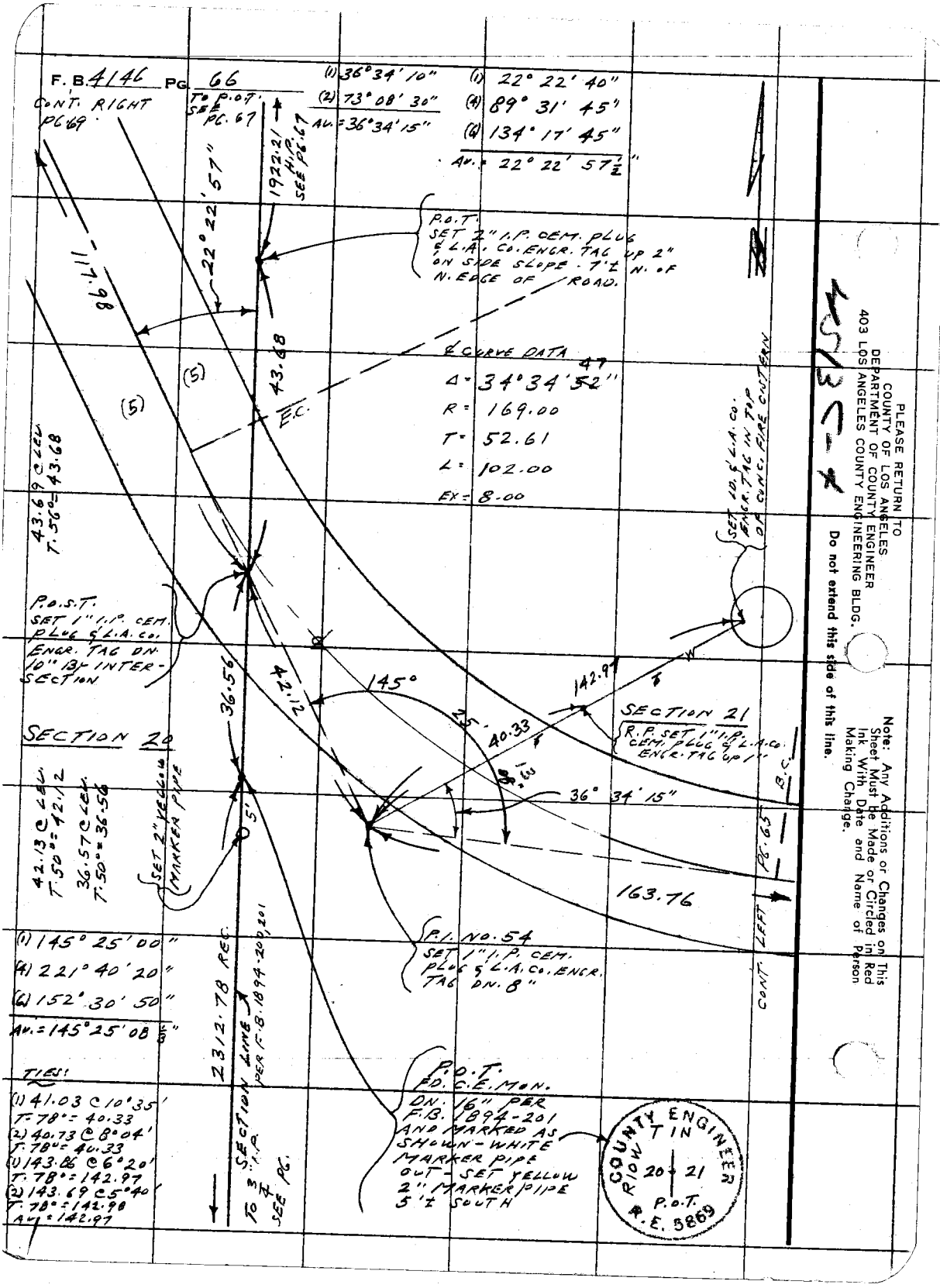
16F3095 CE#310 3-69


F.B. 4146 PG. 66
CONT. RIGHT PG. 69
TO P.O.T. SEE PG. 67
(1) 36°34'10"
(2) 73°08'30"
AV. = 36°34'15"
(1) 22°22'40"
(4) 89°31'45"
(6) 134°17'45"
AV. = 22°22'57½"
1922.21 H.P. SEE PG. 67
22°22'57"
117.98
P.O.T. SET 2" I.P. CEM. PLUG & L.A. CO. ENGR. TAG UP 2" ON SIDE SLOPE. 7'± N. OF N. EDGE OF ROAD.
43.68
(5)
(5)
E.C.
℄ CURVE DATA
Δ = 34°34'52"
R = 169.00
T = 52.61
L = 102.00
EX = 8.00
43.69 @ LEV. T. 56° = 43.68
SET LD. & L.A. CO. ENGR. TAG IN TOP OF CONC. FIRE CISTERN
P.O.S.T. SET 1" I.P. CEM. PLUG & L.A. CO. ENGR. TAG DN. 10" BY INTERSECTION
36.56
42.12
145°
142.97
SECTION 21
R.P. SET 1" I.P. CEM. PLUG & L.A. CO. ENGR. TAG UP 1"
25'
40.33
13'
36°34'15"
SECTION 20
42.13 @ LEV. T. 50° = 42.12
36.57 @ LEV. T. 50° = 36.56
SET 2" YELLOW MARKER PIPE
5'
163.76
B.C.
PG. 65
CONT. LEFT
(1) 145°25'00"
(4) 221°40'20"
(6) 152°30'50"
AV. = 145°25'08⅓"
P.I. NO. 54 SET 1" I.P. CEM. PLUG & L.A. CO. ENGR. TAG DN. 8"
2312.78 REC.
SECTION LINE PER F.B. 1894-200, 201
TO 3/4" I.P. SEE PG.
TIES:
(1) 41.03 @ 10°35' T. 78° = 40.33
(2) 40.73 @ 8°04' T. 78° = 40.33
(1) 143.86 @ 6°20' T. 78° = 142.97
(2) 143.69 @ 5°40' T. 78° = 142.98
AV. = 142.97
P.O.T. FD. C.E. MON. DN. 16" PER F.B. 1894-201 AND MARKED AS SHOWN - WHITE MARKER PIPE OUT - SET YELLOW 2" MARKER PIPE 5'± SOUTH
COUNTY ENGINEER
RIOW TIN
20 21
P.O.T.
R.E. 5869
PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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Notes Ckd. by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTOR UNIT JN0056.28 Tape 149 Std 87 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 12-26-73
Checked T.M. PALMERI MAY 9 1974

F. B. 4146 PG. 67

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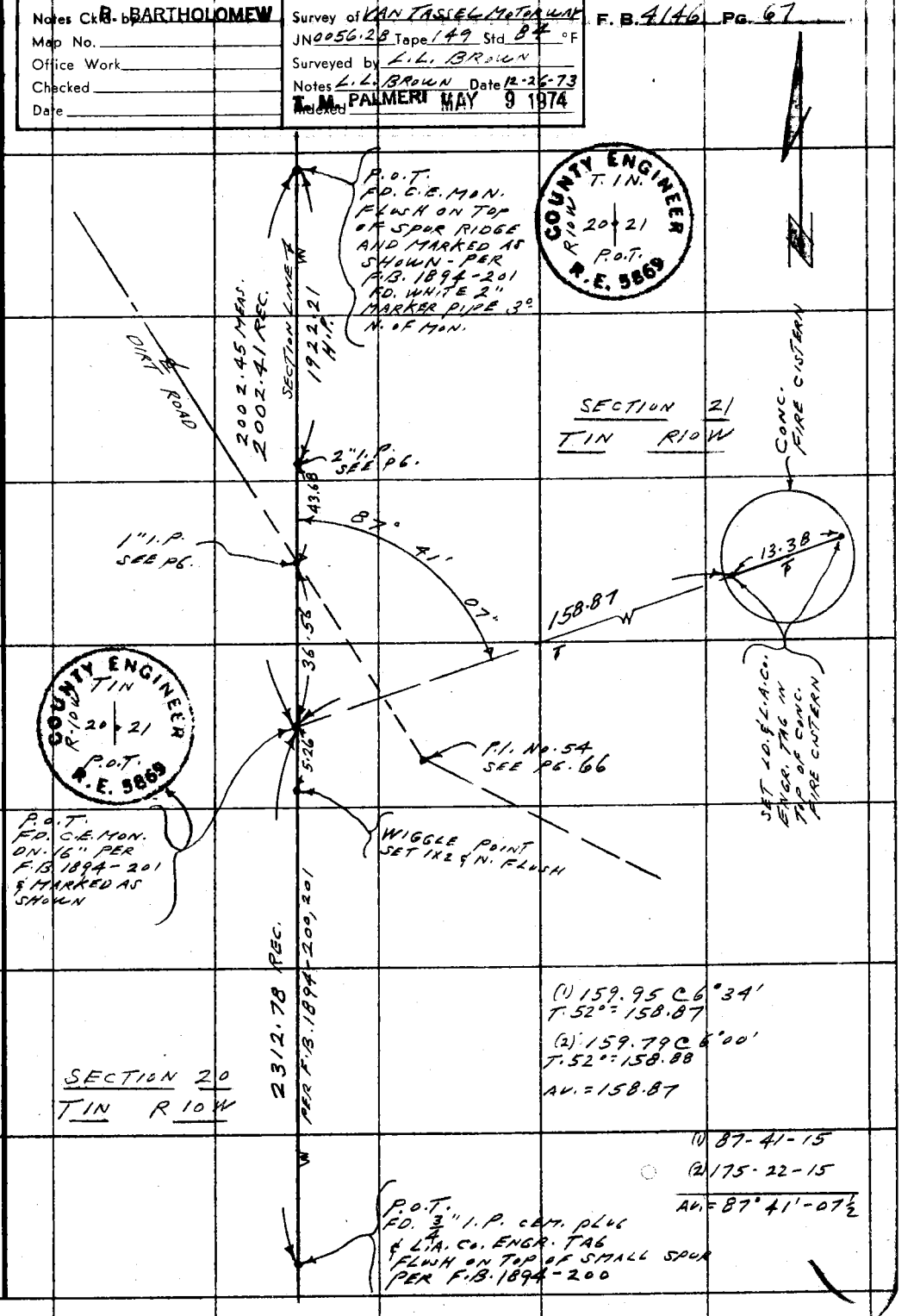

16F309S CE#310 3-69

F. B. 4146 PG. 68

H.P. DISTANCE

INST. AT 2" I.P. P.O.T.
SIGHTING AT C.E. Mon. P.O.T. TOP OF SPUR RIDGE

BAR. = 29.60
TEMP. = 54° } ENV. SETTING = 0

SLOPE DISTANCE = ① 1952.132
② 1952.138

AV. = 1952.134

VERTICAL ANGLE D 79° 58' 30"
R 280° 03' 55"

360° 02' 25" + 02' 25"

AV. = 10° 02' 42.5"

REDUCED SLOPE = 1922.21

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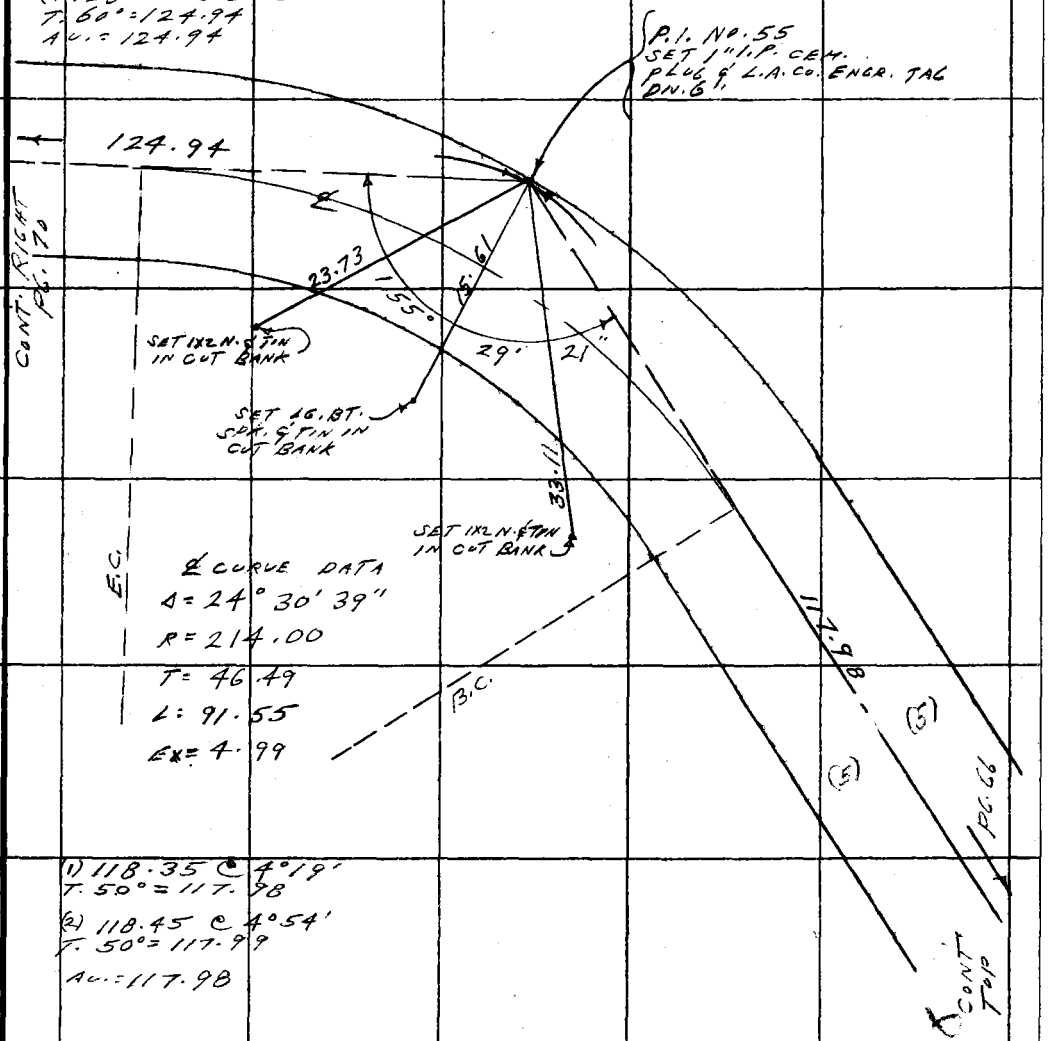
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 2-5-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 69

(1) 155° 29' 20"
(4) 261° 57' 30"
(6) 212° 56' 05"
AV. = 155° 29' 20 5/6"

SECTION 20
TIN RIOW

(1) 125.47 @ 5°07'
T. 60° = 124.95
(2) 125.62 @ 5° 52'
T. 60° = 124.94
AV. = 124.94



(1) 118.35 @ 4°19'
T. 50° = 117.98
(2) 118.45 @ 4°54'
T. 50° = 117.99
AV. = 117.98

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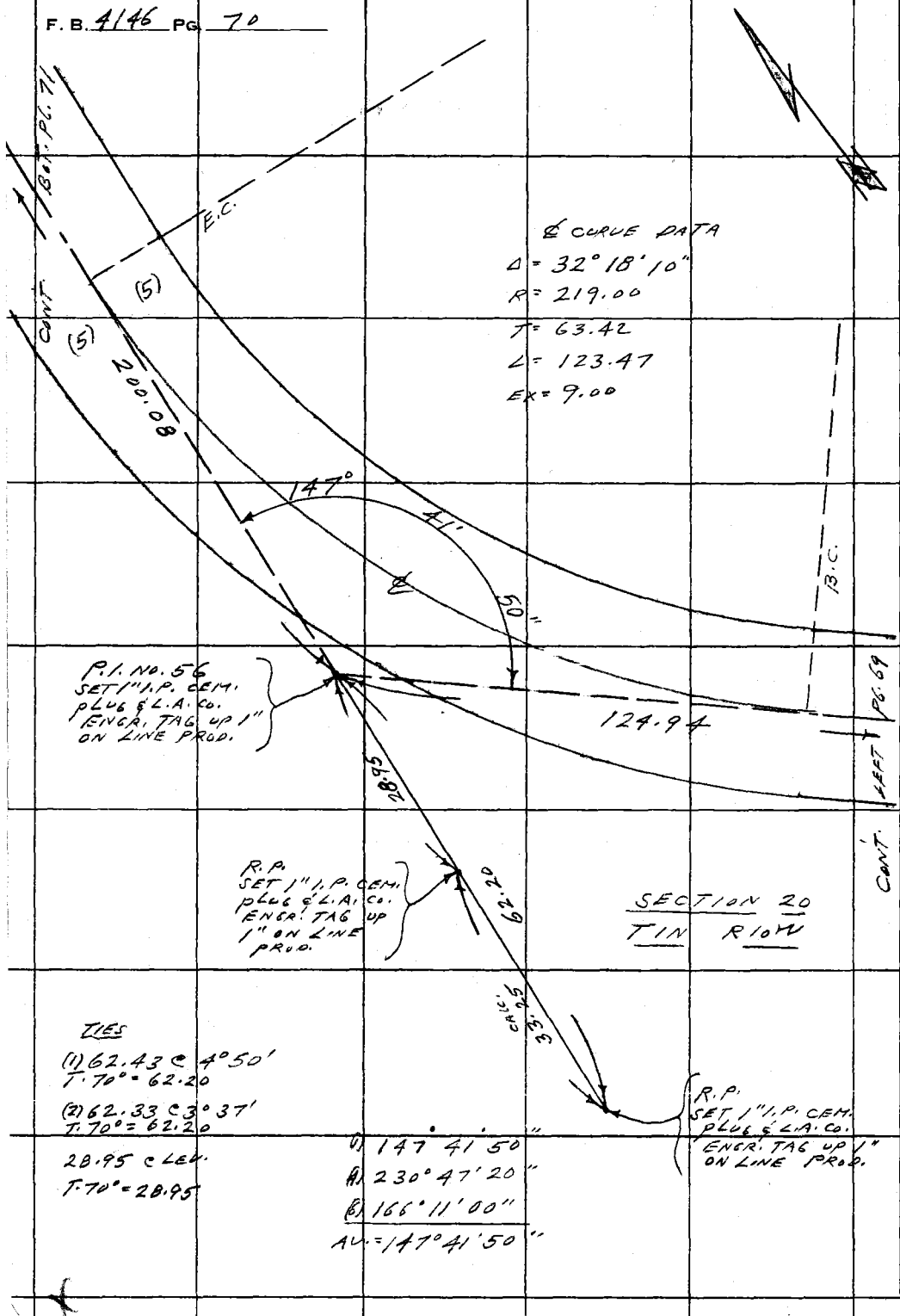
76F309S CE#310 3-69

F. B. 4146 PG. 70



℄ CURVE DATA

$\Delta = 32°18'10"$

$R = 219.00$

$T = 63.42$

$L = 123.47$

$Ex = 9.00$

TIES

(1) 62.43 ℄ 4°50'
T. 70° = 62.20

(2) 62.33 ℄ 3°37'
T. 70° = 62.20

28.95 ℄ LEG.
T. 70° = 28.95

Δ_1 147 41 50 "

Δ_2 230°47'20 "

Δ_3 166°11'00"

AV. = 147°41'50 "

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Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L. L. BROWN Date 2-13-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 71

(1) 153° 19' 25"
(4) 253° 17' 25"
(2) 199° 56' 10"
Av. = 153° 19' 21 2/3"

SECTION 20
T 1N R 10W

P.I. N 0.57
SET 1/2" I.P. CEM. PLUG
& L.A.CO. ENGR. TAG
"UP 1" ON SIDE OF CUT BANK

93.02

153°

19'

22"

P.C.C.

CONT. RIGHT PG. 72

℄ CURVE DATA
Δ = 26° 40' 38"
R = 270.52
T = 64.14
L = 125.96
Ex = 7.50

B.C.

(5)

(5)

200.08

(1) 202.54 @ 8°52'
T. 60° = 200.09

(4) 202.28 @ 8°24'
T. 60° = 200.08

Av. = 200.08

CONT. LEFT PG. 70

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76F309S CE#310 3-69

F. B. 4146 PG. 72

TIES:

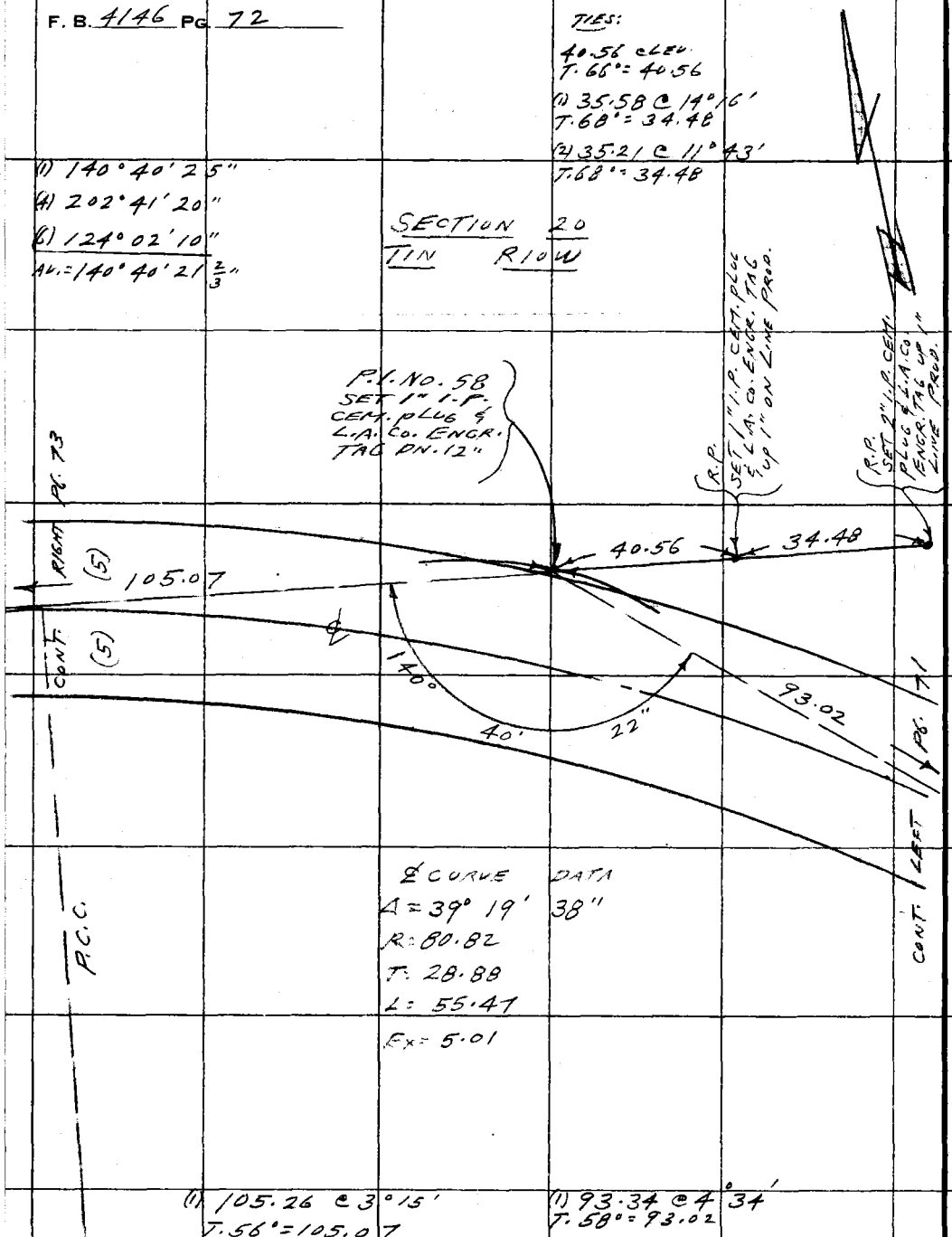
40.56 CLEV.
T. 66° = 40.56

(1) 35.58 @ 14° 16'
T. 68° = 34.48

(2) 35.21 @ 11° 43'
T. 68° = 34.48

(1) 140° 40' 25"
(4) 202° 41' 20"
(6) 124° 02' 10"
AV. = 140° 40' 21 2/3"

SECTION 20
TIN R10W



℄ CURVE DATA
Δ = 39° 19' 38"
R = 80.82
T = 28.88
L = 55.47
Ex = 5.01

(1) 105.26 @ 3° 15'
T. 56° = 105.07

(2) 105.39 @ 4° 18'
T. 56° = 105.07

(1) 93.34 @ 4° 34'
T. 58° = 93.02

(2) 93.49 @ 5° 39'
T. 58° = 93.02

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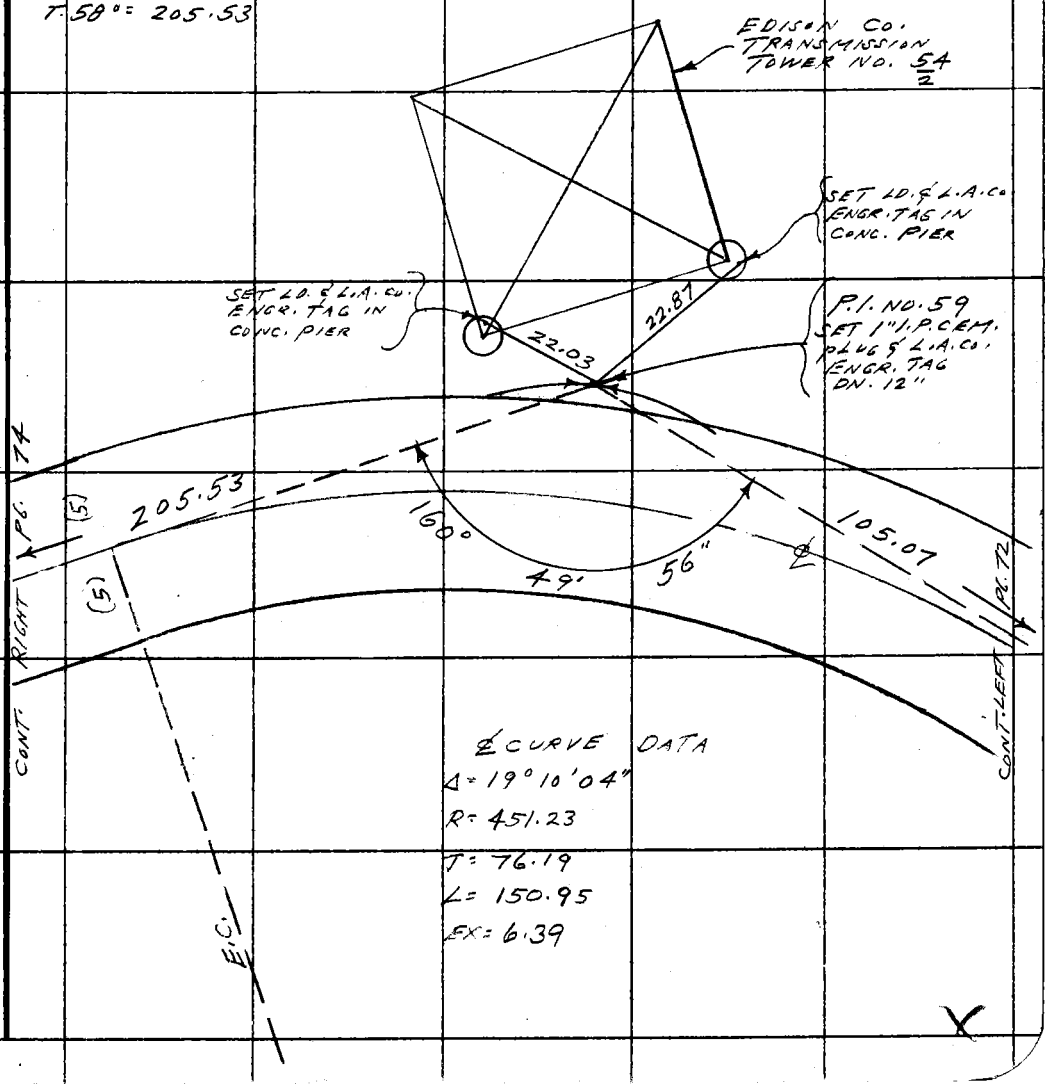
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 00.56.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-13-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 73

(1) 160° 49' 55"
(4) 283° 19' 40"
(6) 244° 59' 35"
AV. = 160° 49' 55 5/6"

SECTION 20
T.1N R10W

(1) 206.44 @ 5°16'
T. 58° = 205.54
(2) 206.61 @ 5°47'
T. 58° = 205.53



℄ CURVE DATA
Δ = 19° 10' 04"
R = 451.23
T = 76.19
L = 150.95
EX = 6.39

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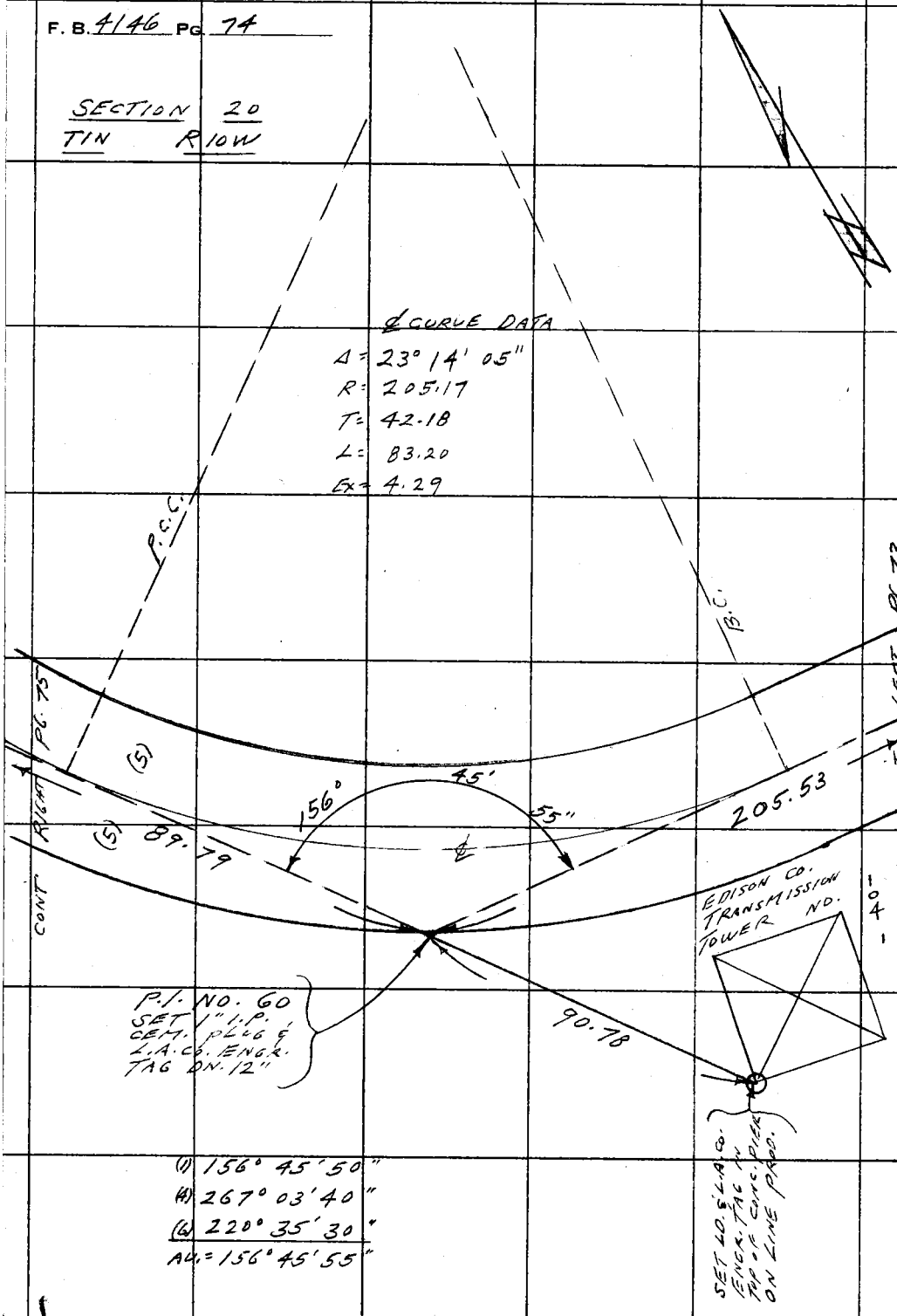
76F309S CE#310 3-69

F. B. 4146 PG. 74

SECTION 20
T1N R10W



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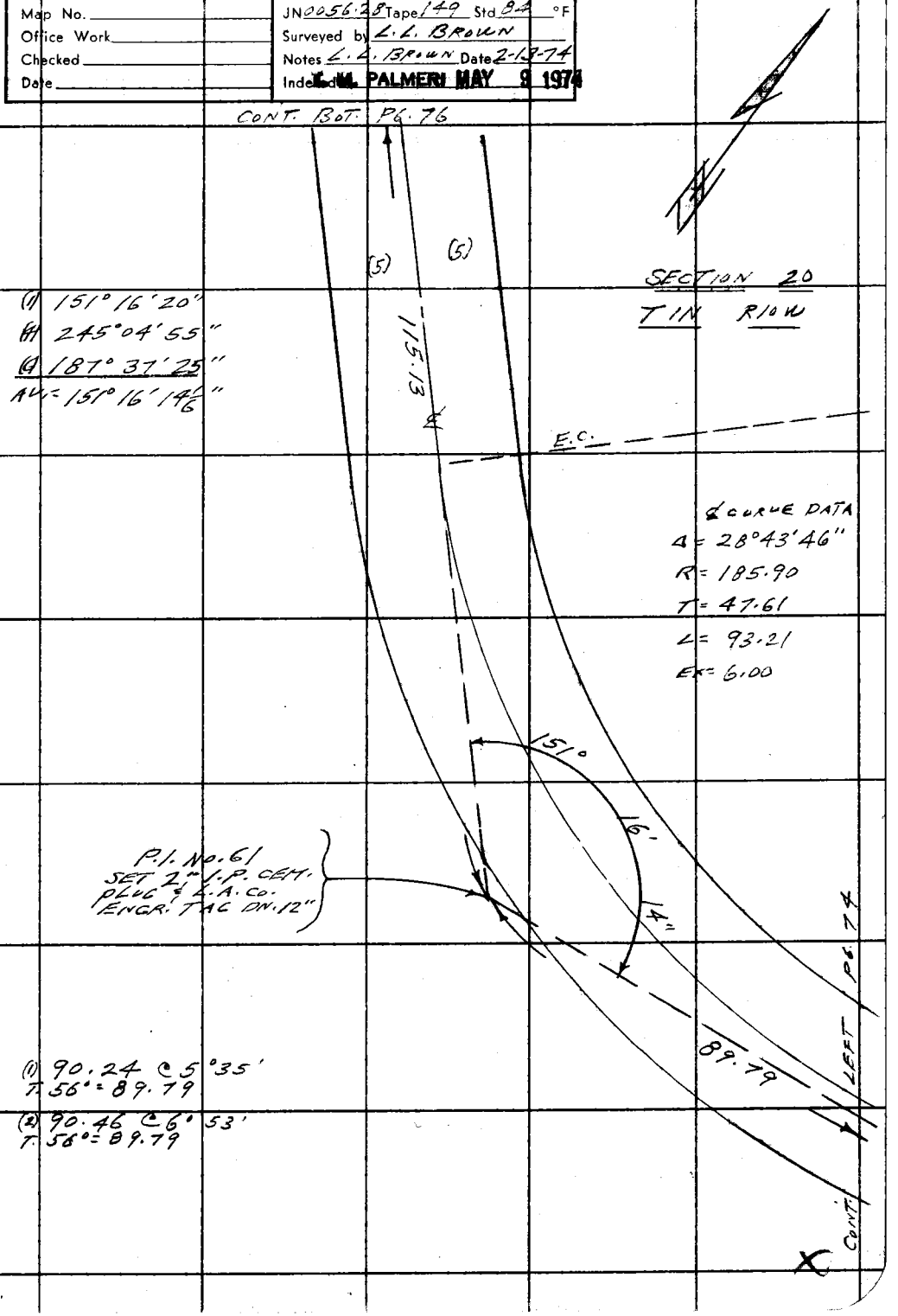
Notes Ch'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 2-13-74
Date	Indexed M. PALMERI MAY 9 1974

F. B. 4146 PG. 75



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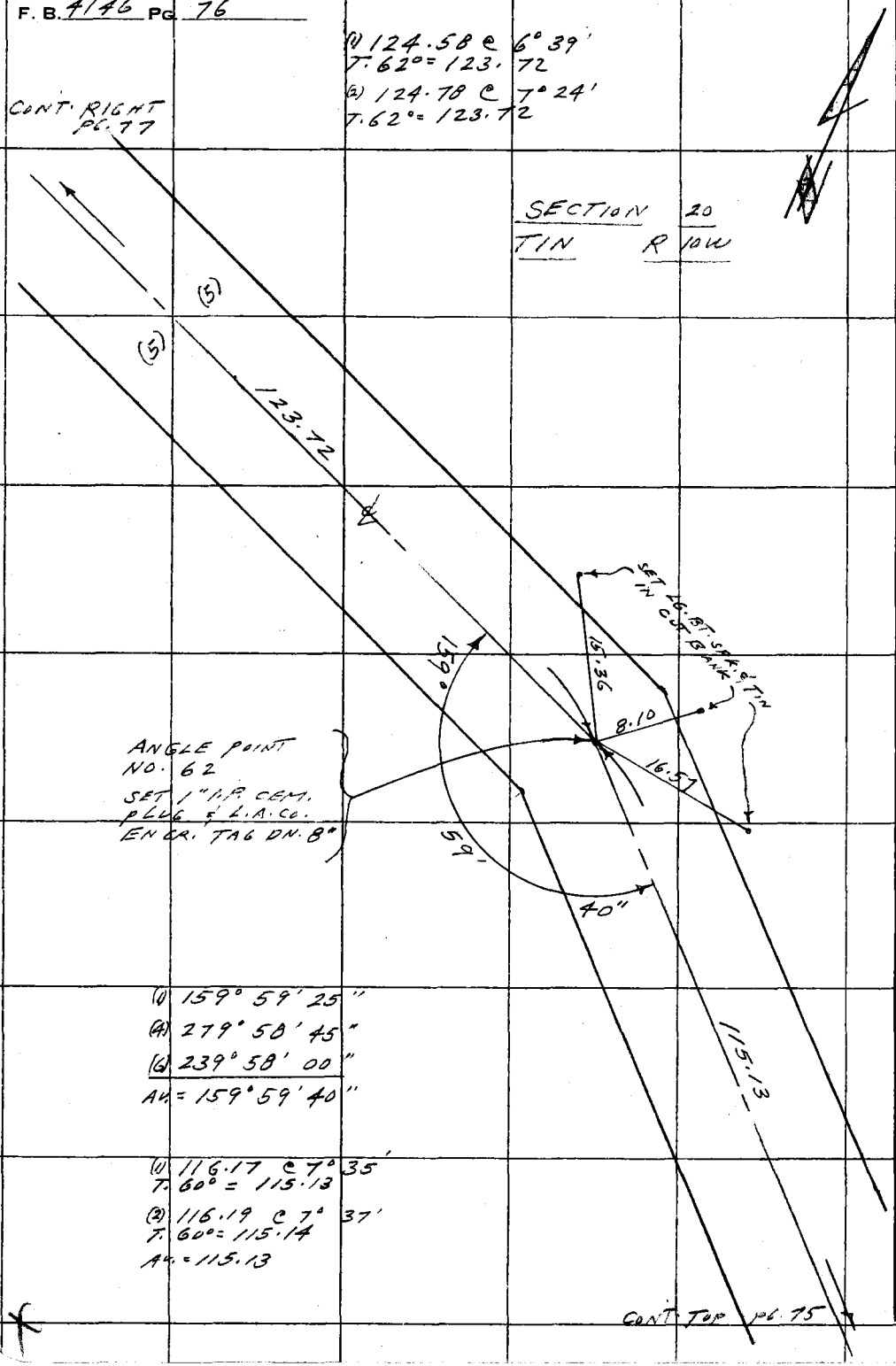
76F309S CE#310 3-69

F. B. 4146 PG. 76

(1) 124.58 @ 6° 39'
T. 62° = 123.72
(2) 124.78 @ 7° 24'
T. 62° = 123.72

CONT. RIGHT PG. 77

SECTION 20
T1N R10W



(1) 159° 59' 25"
(2) 279° 58' 45"
(3) 239° 58' 00"
Av. = 159° 59' 40"

(1) 116.17 @ 7° 35'
T. 60° = 115.13
(2) 116.19 @ 7° 37'
T. 60° = 115.14
Av. = 115.13

CONT. TOP PG. 75

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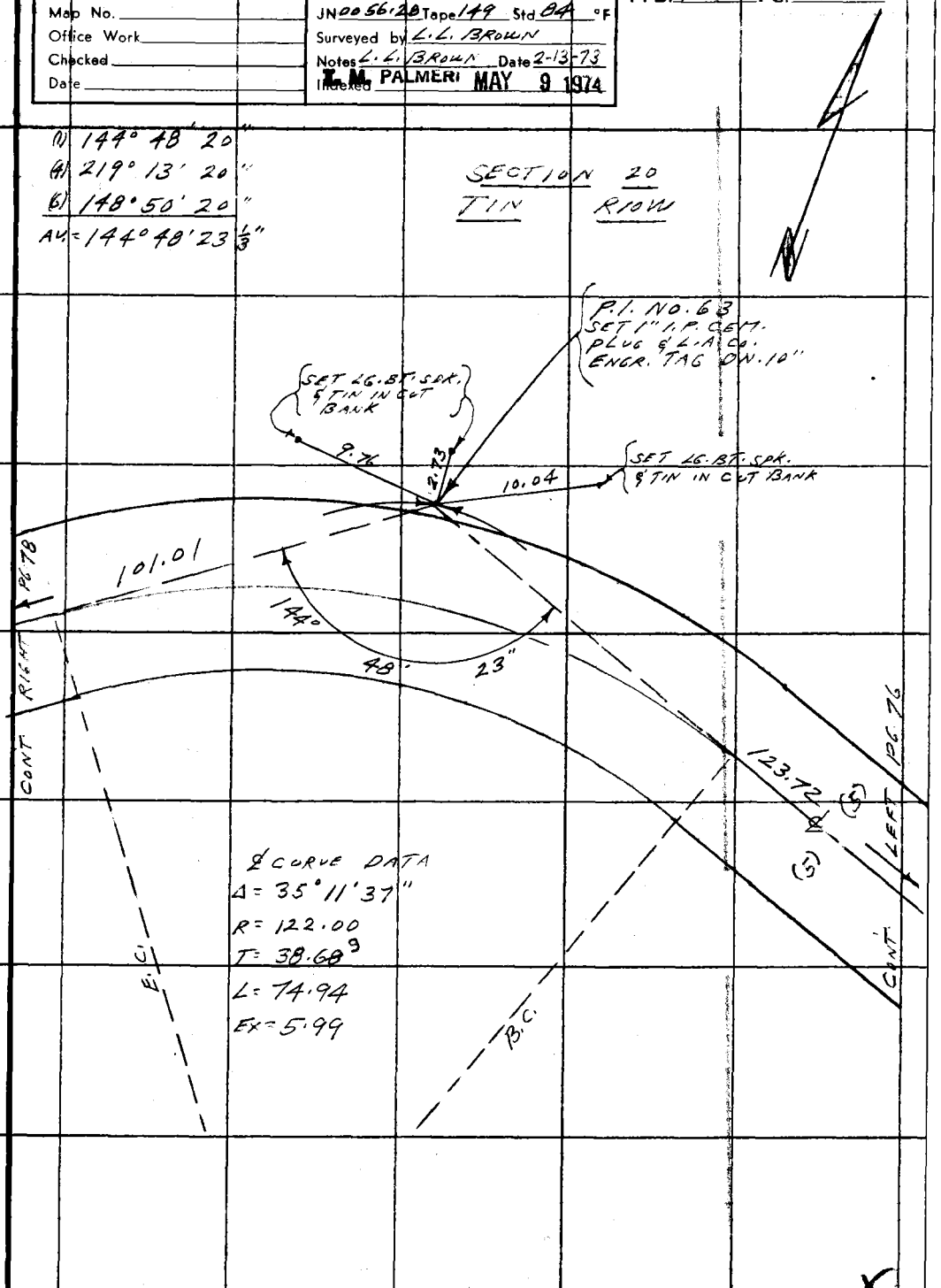
Notes Ch'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-13-73
Date	Indexed T.M. PALMERI MAY 9 1974

F. B. 4146 PG. 77



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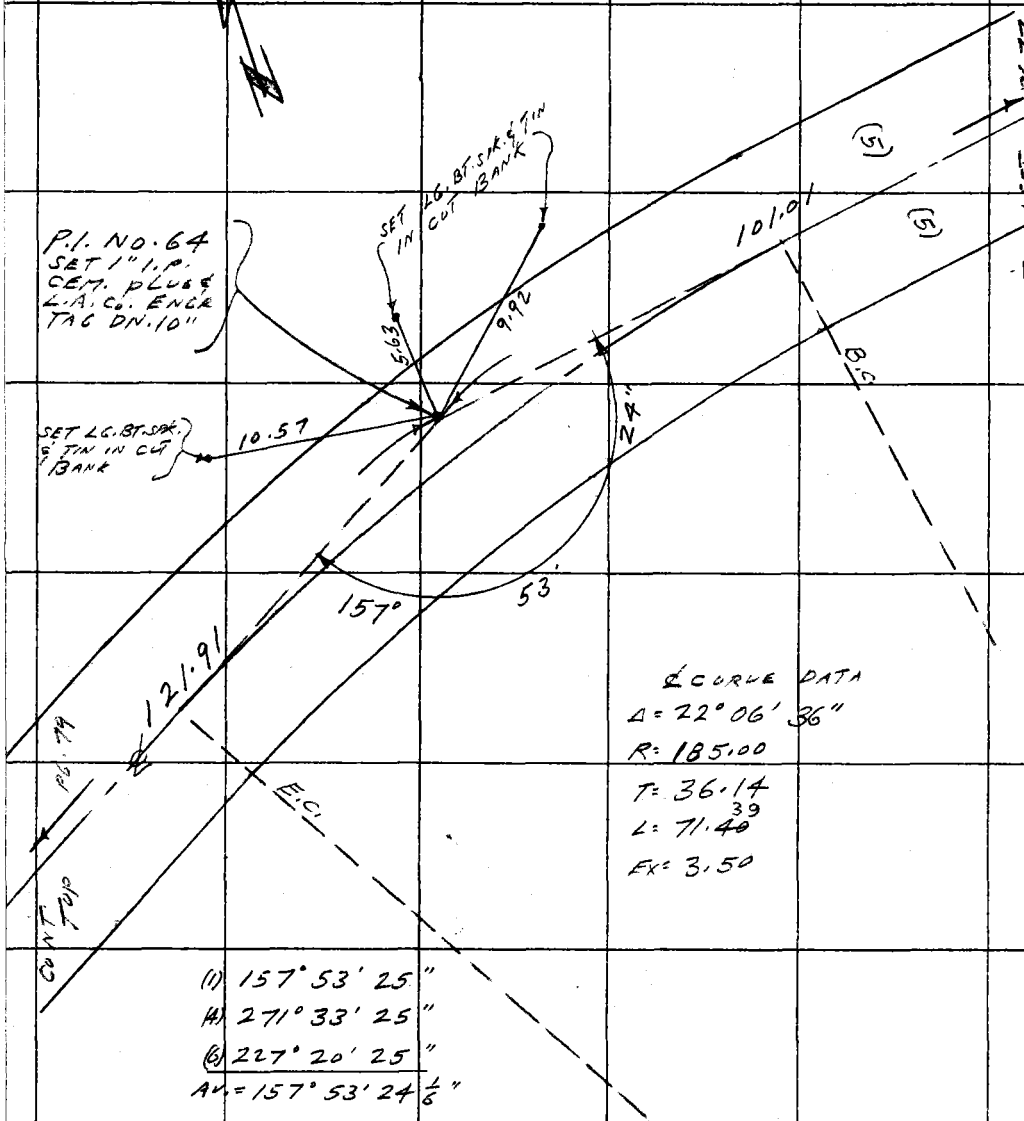
76F309S CE#310 3-69

F. B. 4146 PG. 78

101.02 @ LEV.
T. 64° = 101.01

SECTION 20
T1N R10W



℄ CURVE DATA
Δ = 22° 06' 36"
R = 185.00
T = 36.14
L = 71.39
Ex = 3.50

(1) 157° 53' 25"
(4) 271° 33' 25"
(6) 227° 20' 25"
Δ = 157° 53' 24 1/6"

(1) 121.95 @ 1° 10'
T. 68° = 121.91
(2) 122.02 @ 2° 16'
T. 68° = 121.91

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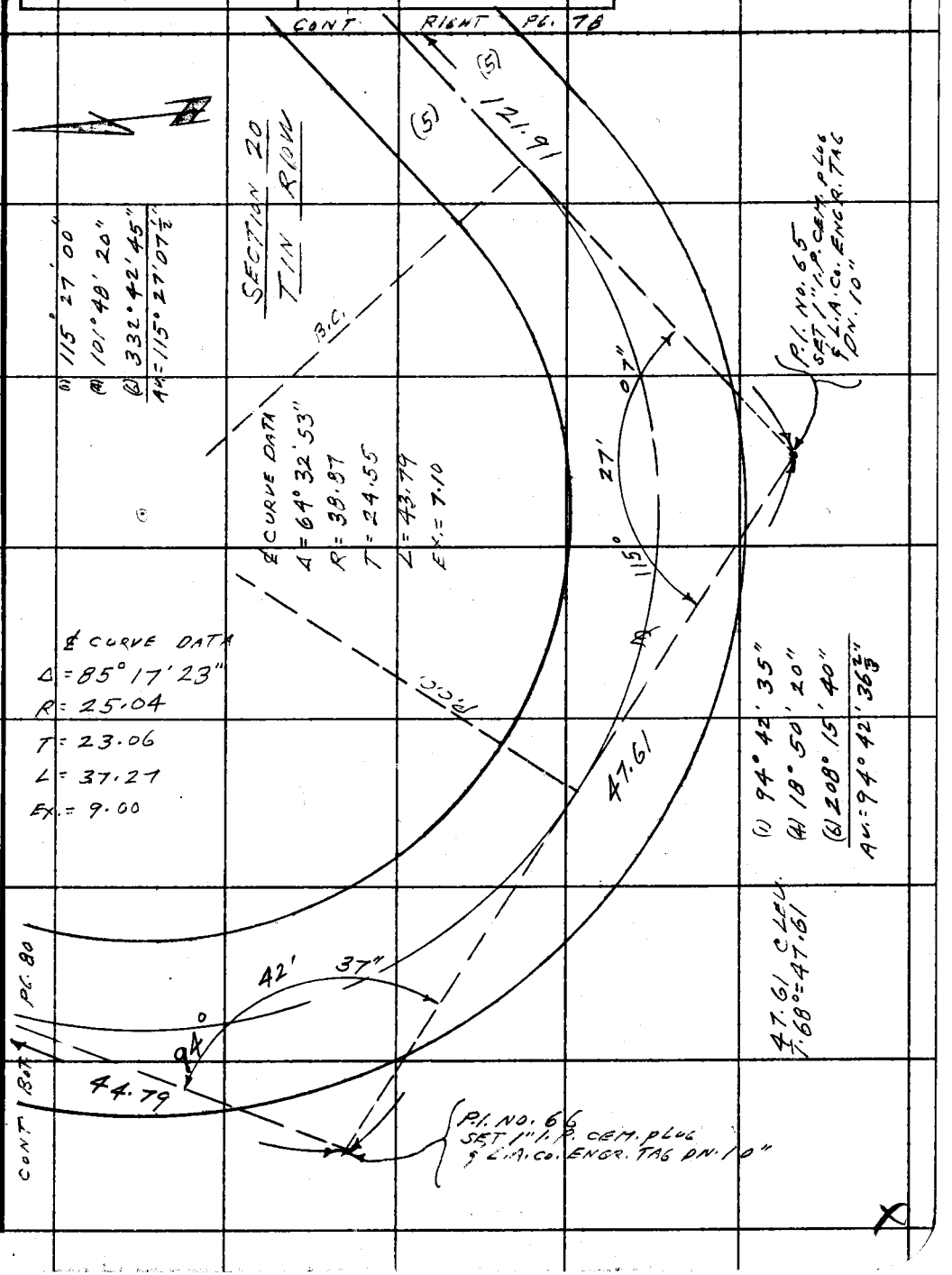
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 79
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L.L. BROWN	
Checked	Notes L.L. BROWN Date 2-14-74	
Date	Indexed T. M. PALMERI MAY 9 1974	



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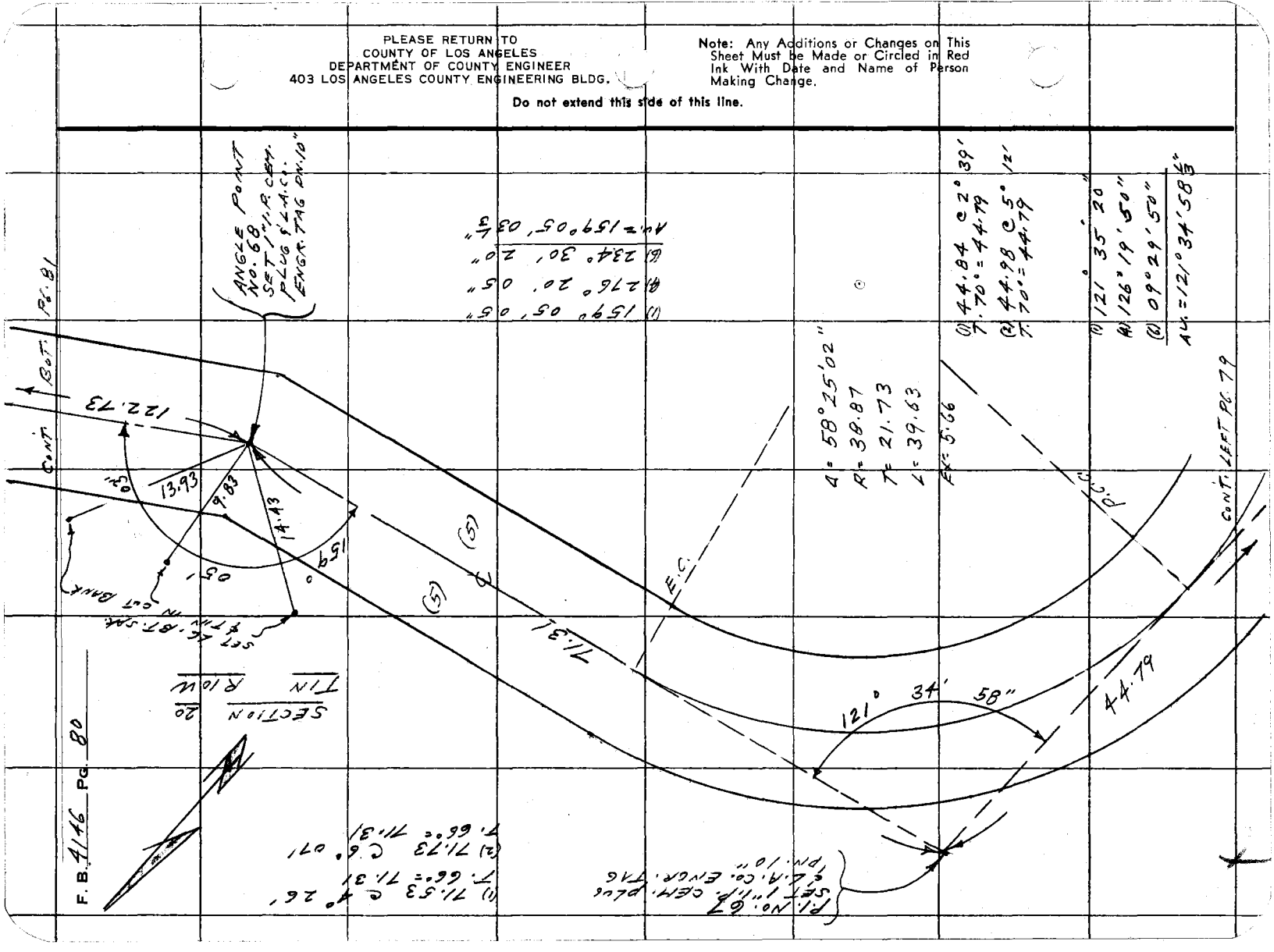

Notes Ck'd by BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of MANTANEL MOTORWAY
JN 2056.28 Tape 149 Std 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 2-14-74
Checked T. M. PALMER MAY 9 1974

F. B. 4146 PG. 81

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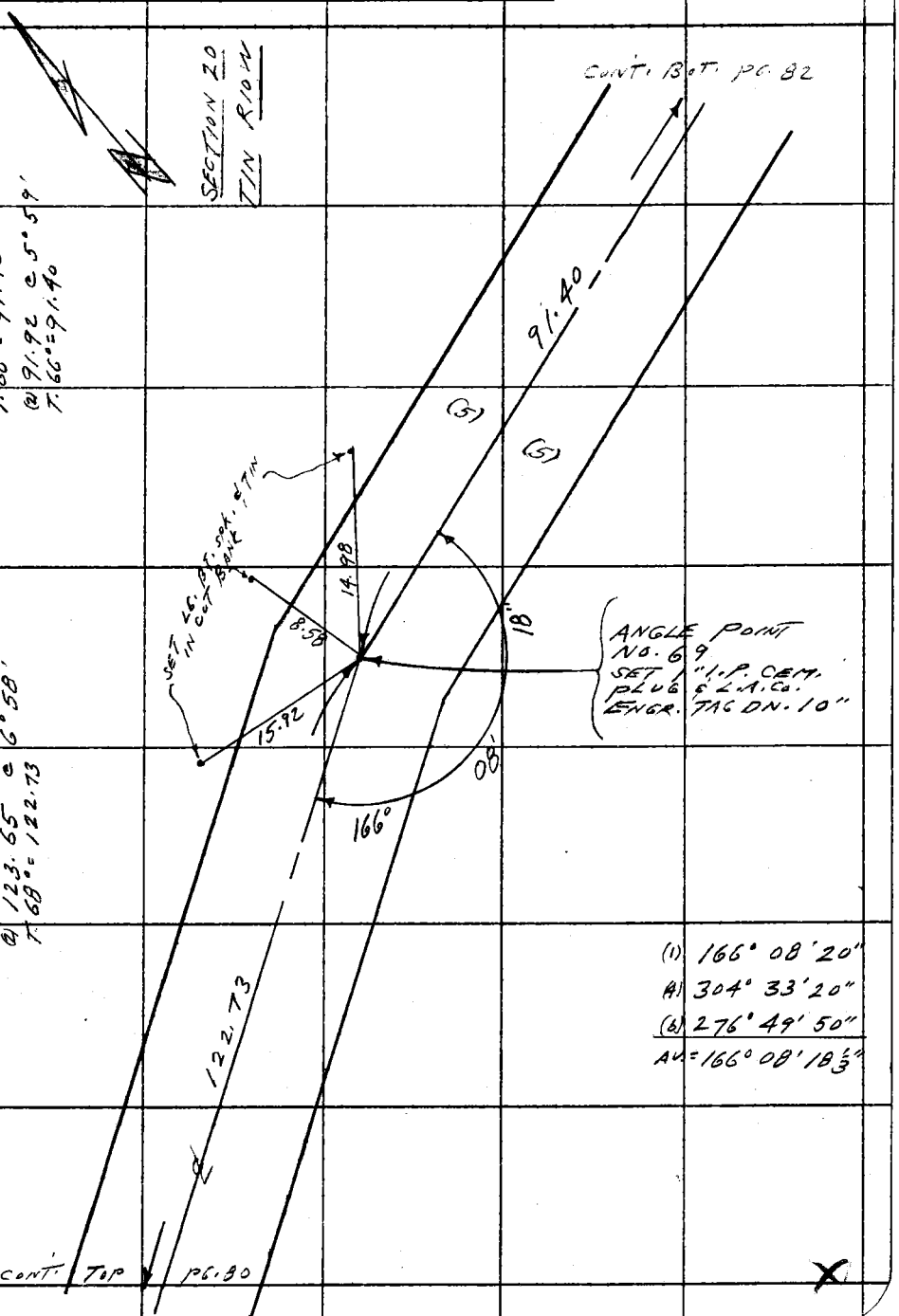
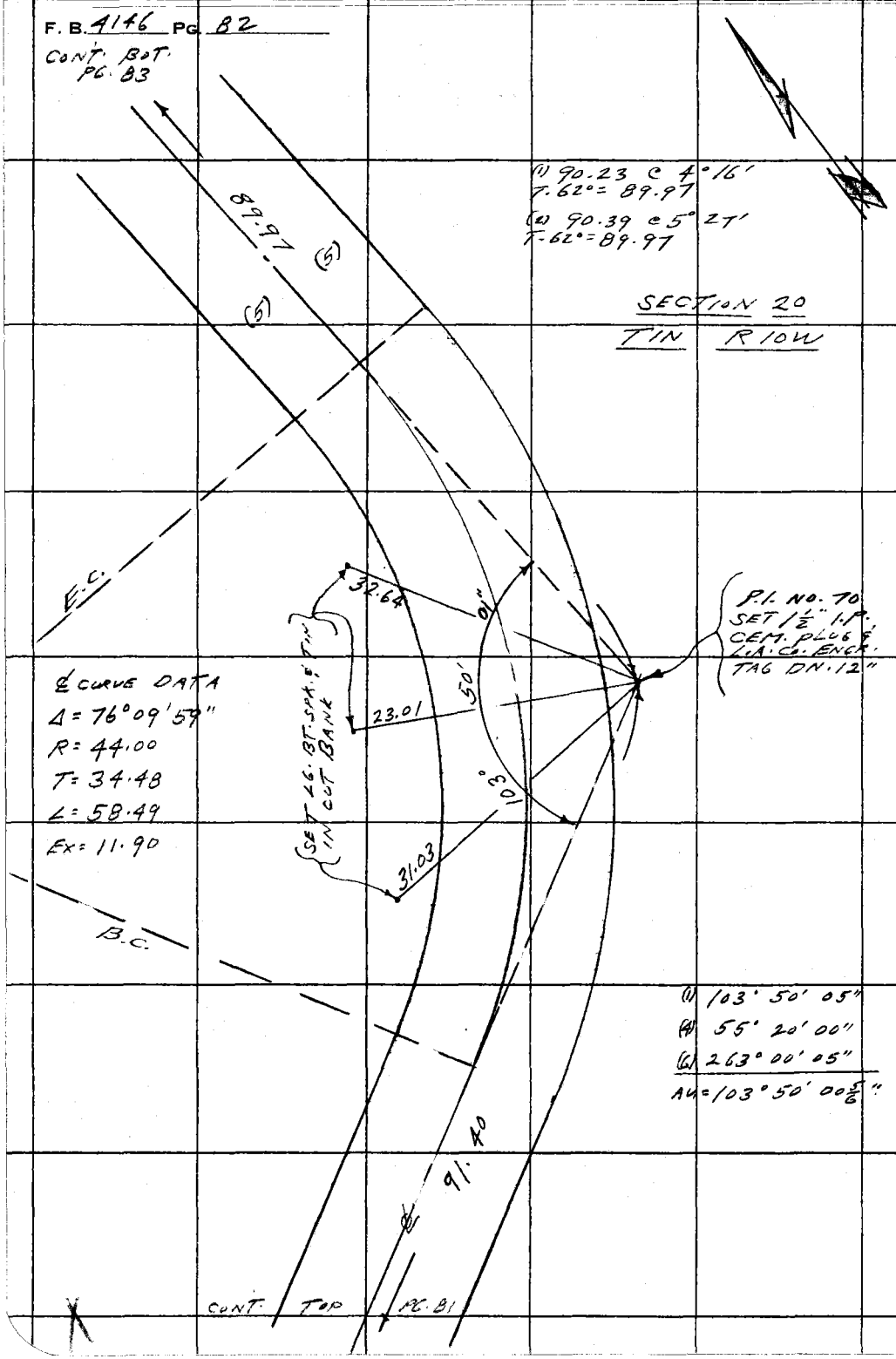


76F309S CE#310 3-69

F. B. 4146 PG. 82

CONT. BOT. PG. 83



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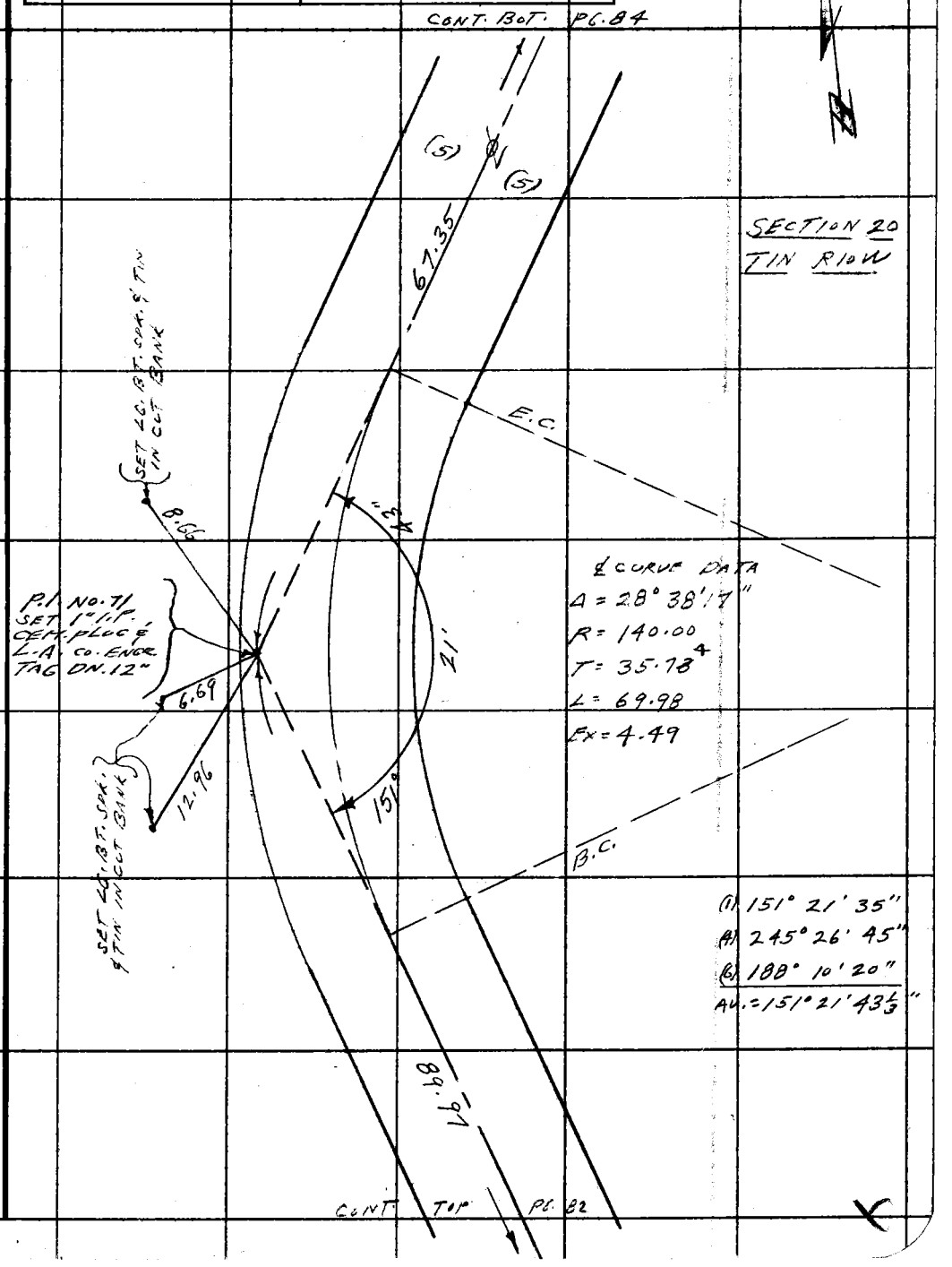
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-15-74
Date	Index T.M. PALMERI MAY 9 1974

F. B. 4146 PG. 83



℄ CURVE DATA
Δ = 28° 38' 17"
R = 140.00
T = 35.78
L = 69.98
Ex = 4.49

(1) 151° 21' 35"
(4) 245° 26' 45"
(6) 188° 10' 20"
AV. = 151° 21' 43⅓"

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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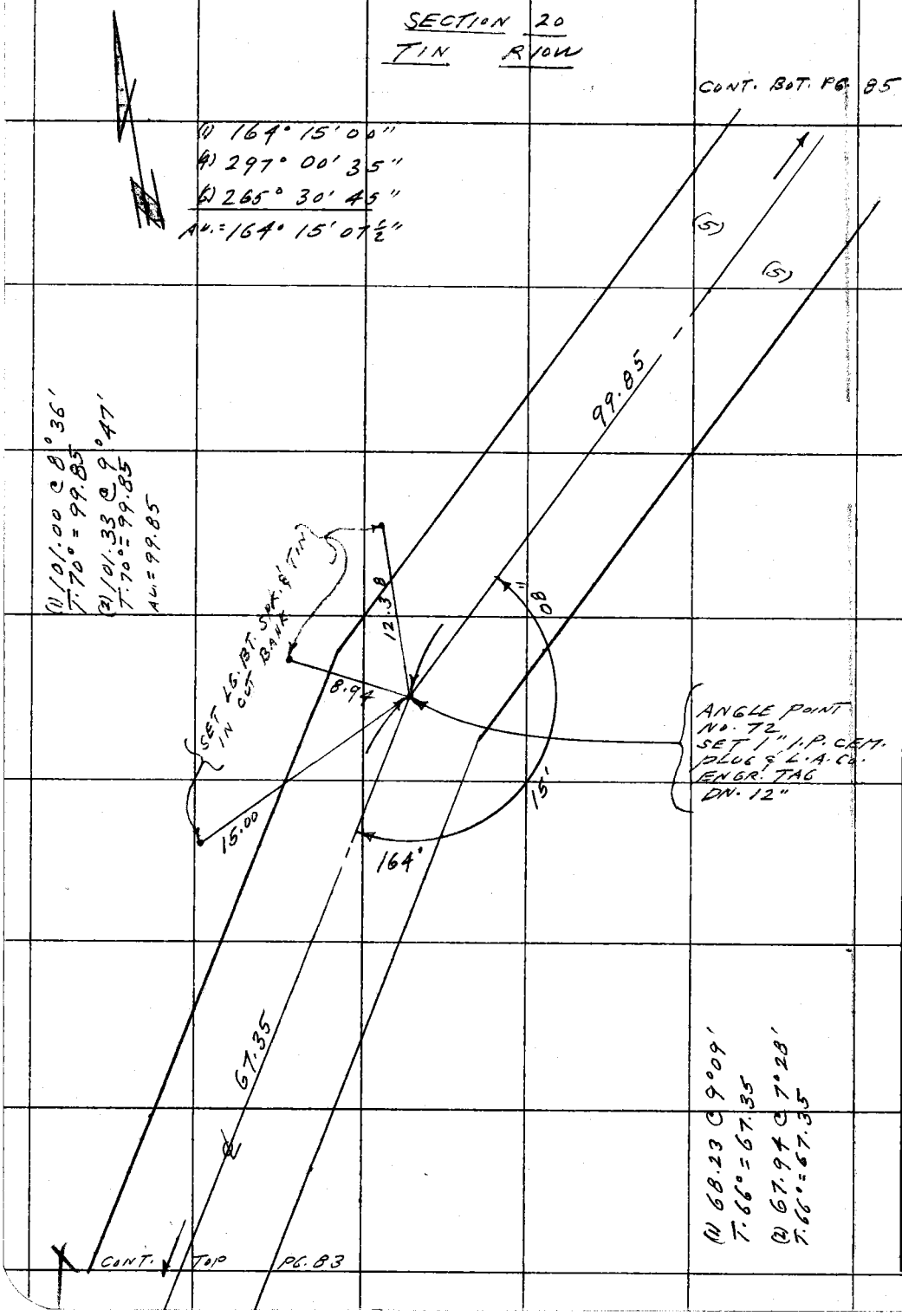
76F309S CE#310 3-69

F. B. 4146 PG. 84

SECTION 20
TIN R10W



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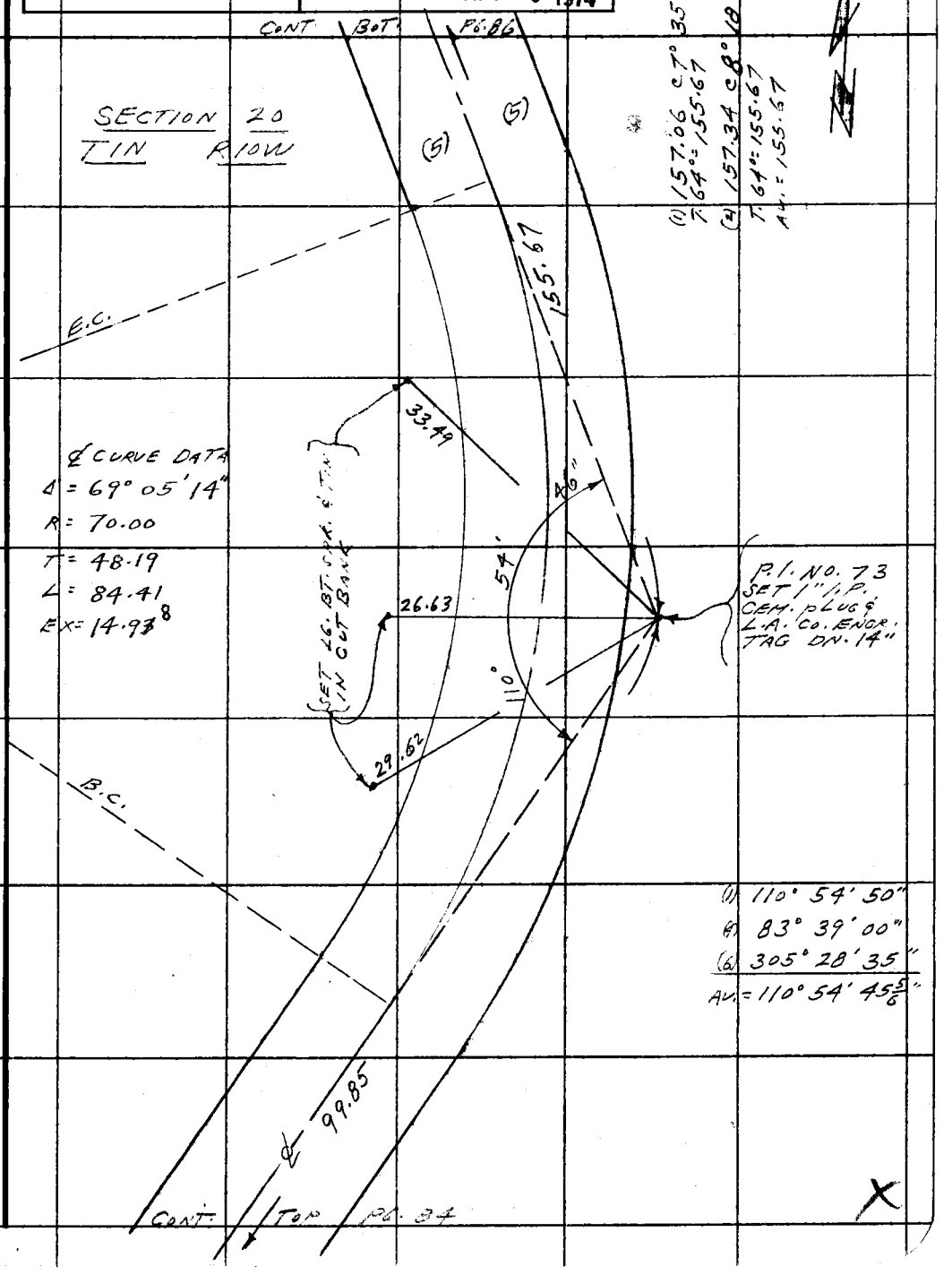
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056-28 Tape 149 Std 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 2-15-74
Date	Indexed J. M. PALMERI MAY 9 1974

F. B. 4146 PG. 85



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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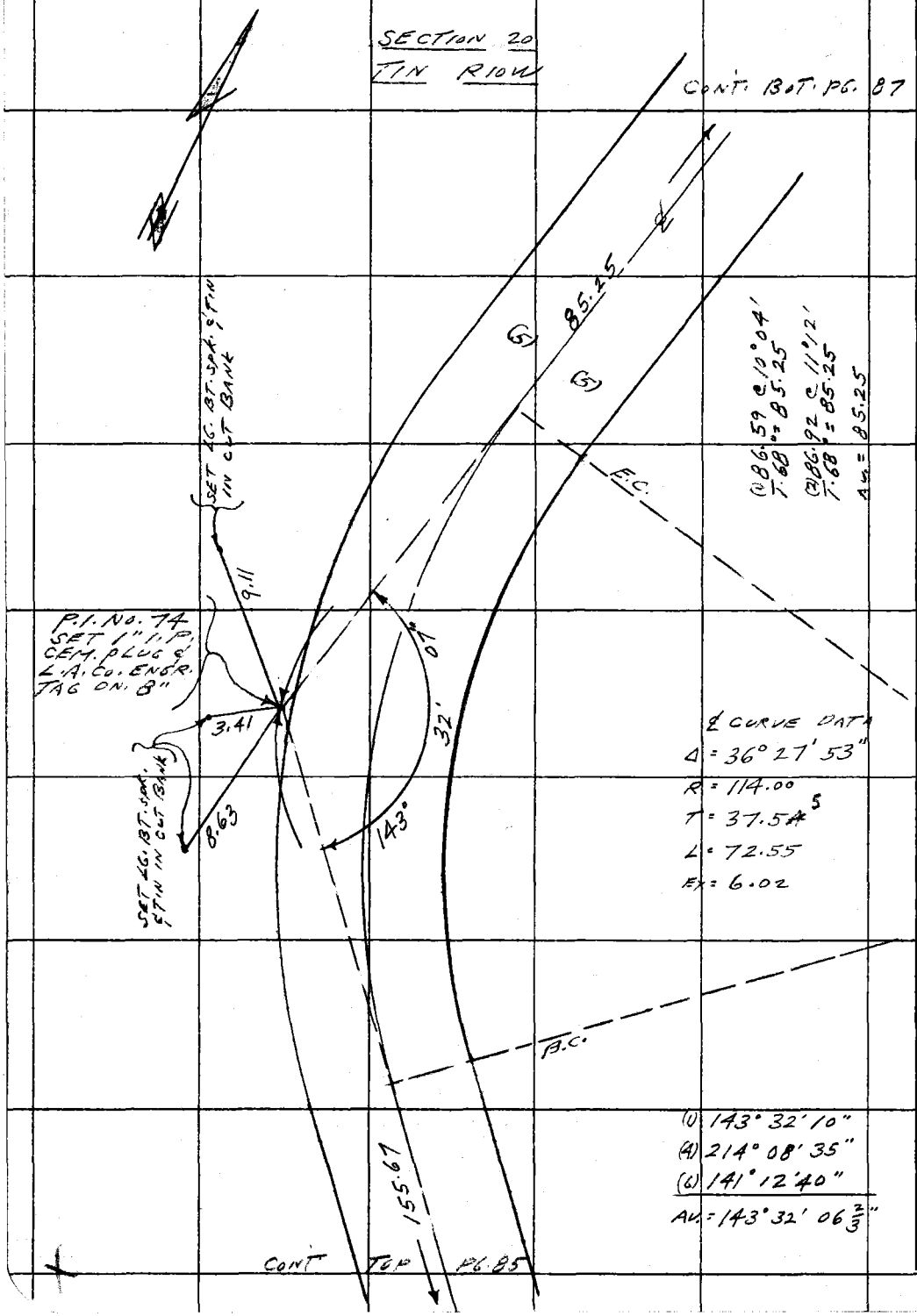
76F309S CE#310 3-69

F. B. 4146 PG. 86



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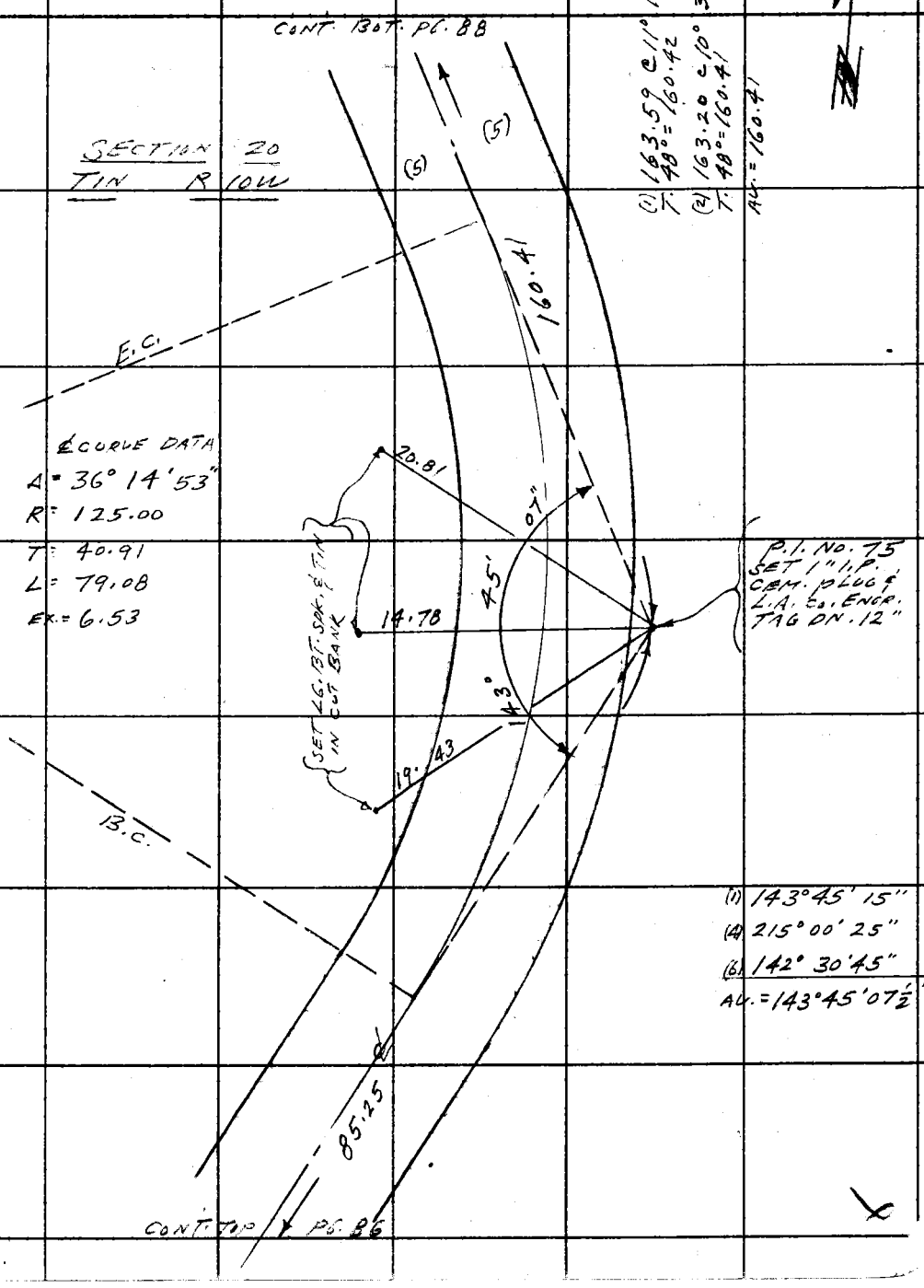
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Chkd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTOR WAY	F. B. 4146 PG. 87
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 2-15-74	
Date	Indexed T. M. PALMERI MAY 9 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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PLEASE RETURN TO
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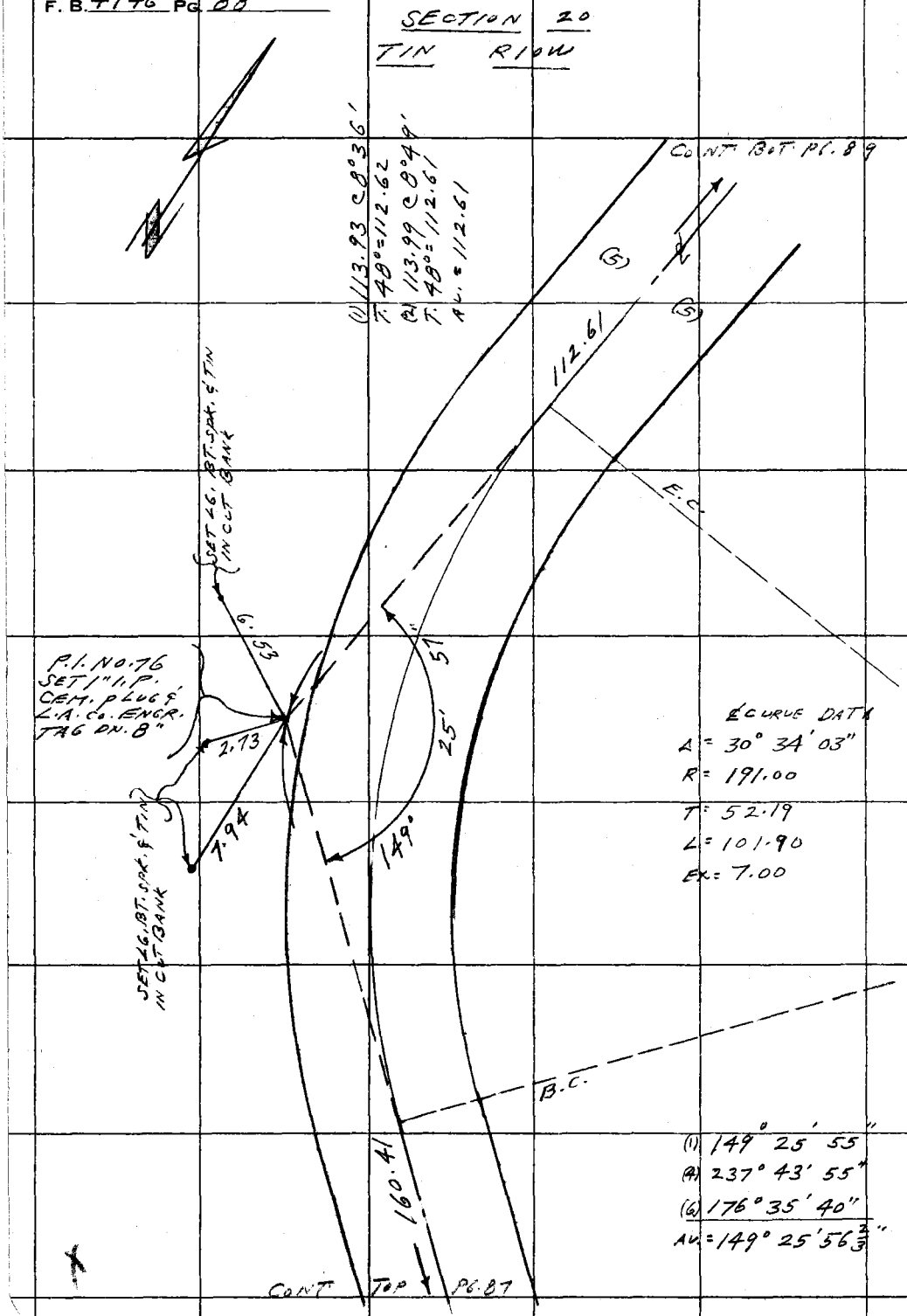
76F309S CE#310 3-69

F. B. 4146 PG. 88

SECTION 20
T1N R10W



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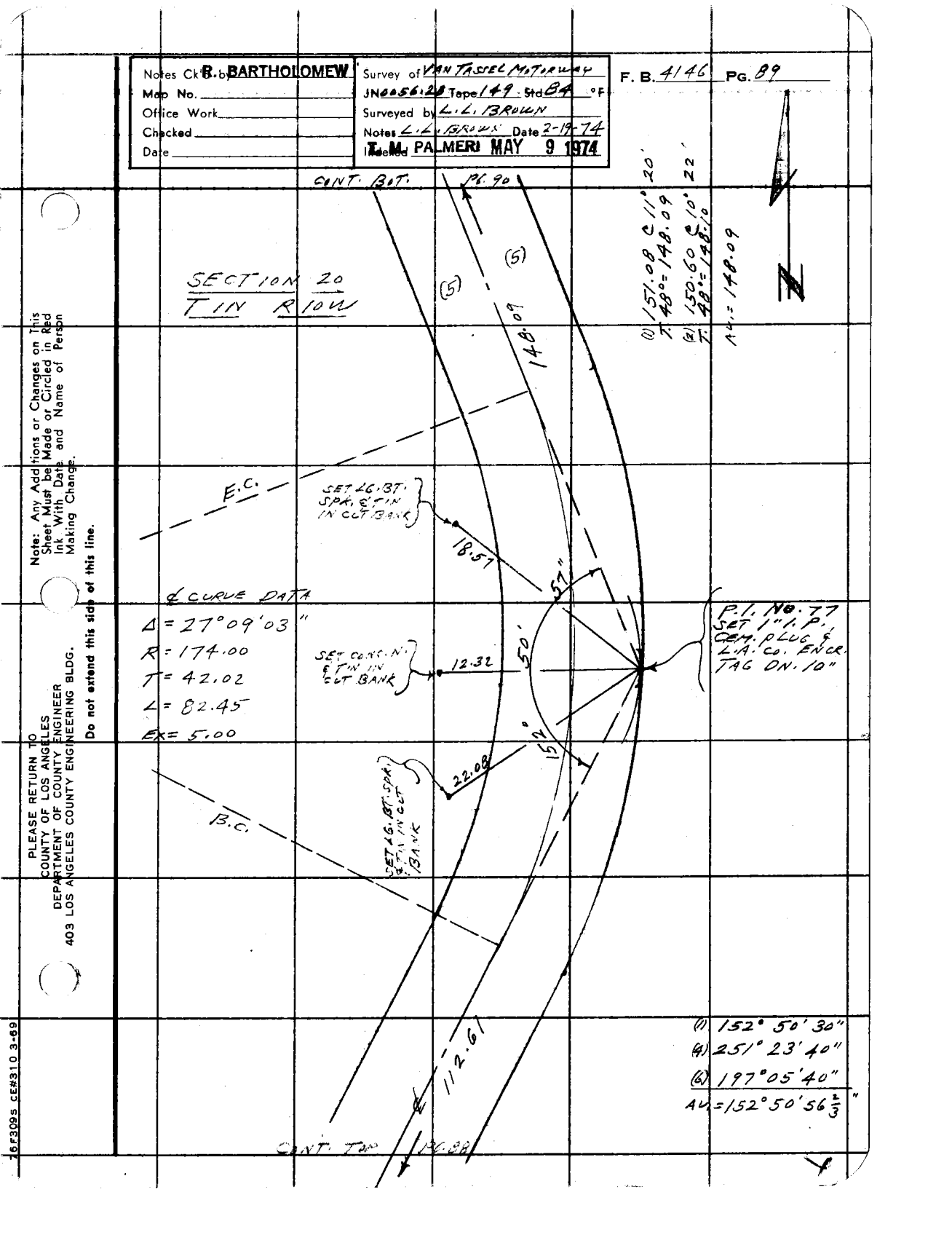
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape 149 Std 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 2-19-74
Checked T. M. PALMER MAY 9 1974

F. B. 4146 PG. 89



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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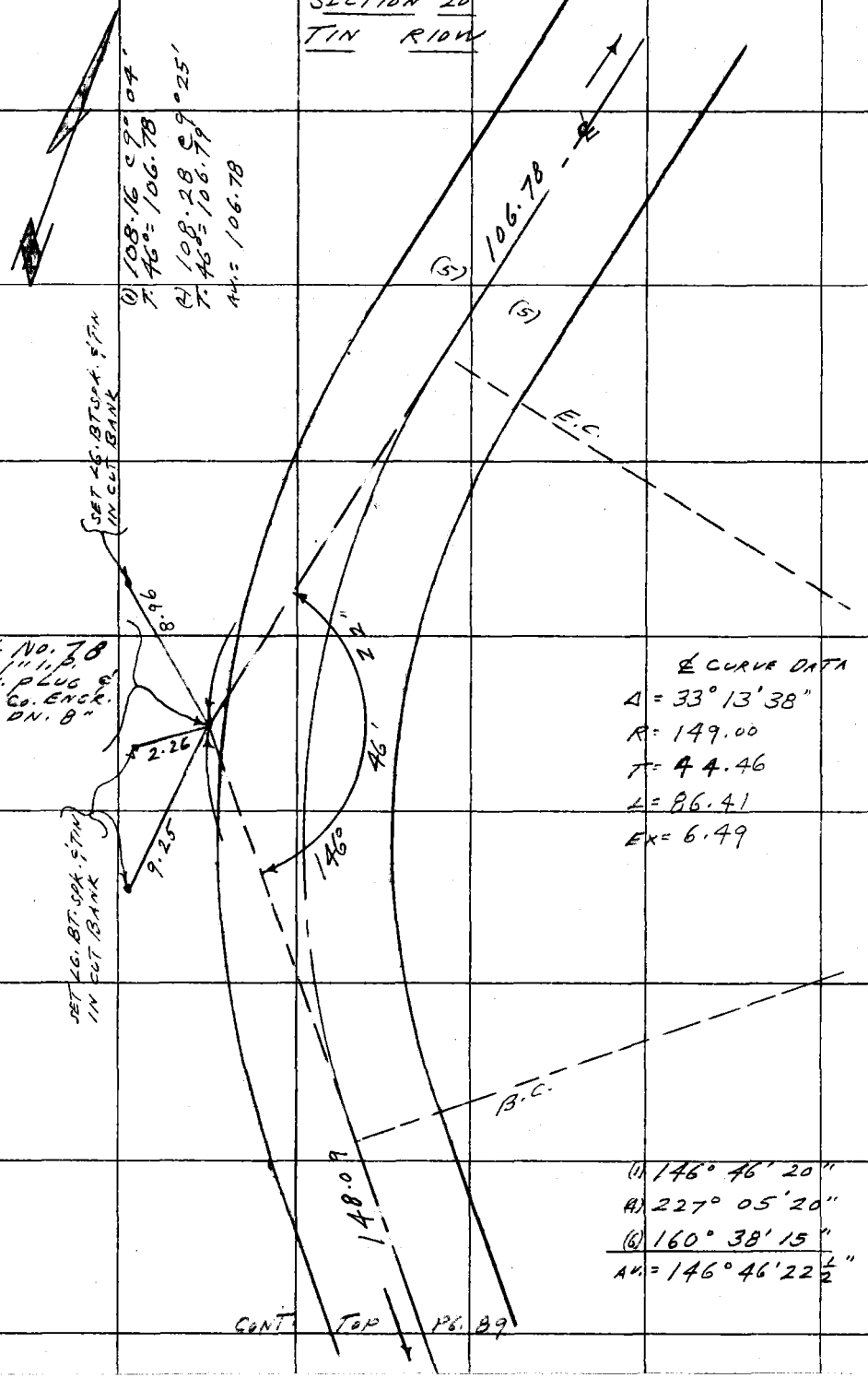
16F309S CE#310 3-69

F. B. 4146 PG. 90

SECTION 20
T1N R10W

CONT. TOP. PG. 91



℄ CURVE DATA
Δ = 33° 13' 38"
R = 149.00
T = 44.46
L = 86.41
Ex = 6.49

(1) 146° 46' 20"
(A) 227° 05' 20"
(6) 160° 38' 15"
AM. = 146° 46' 22½"

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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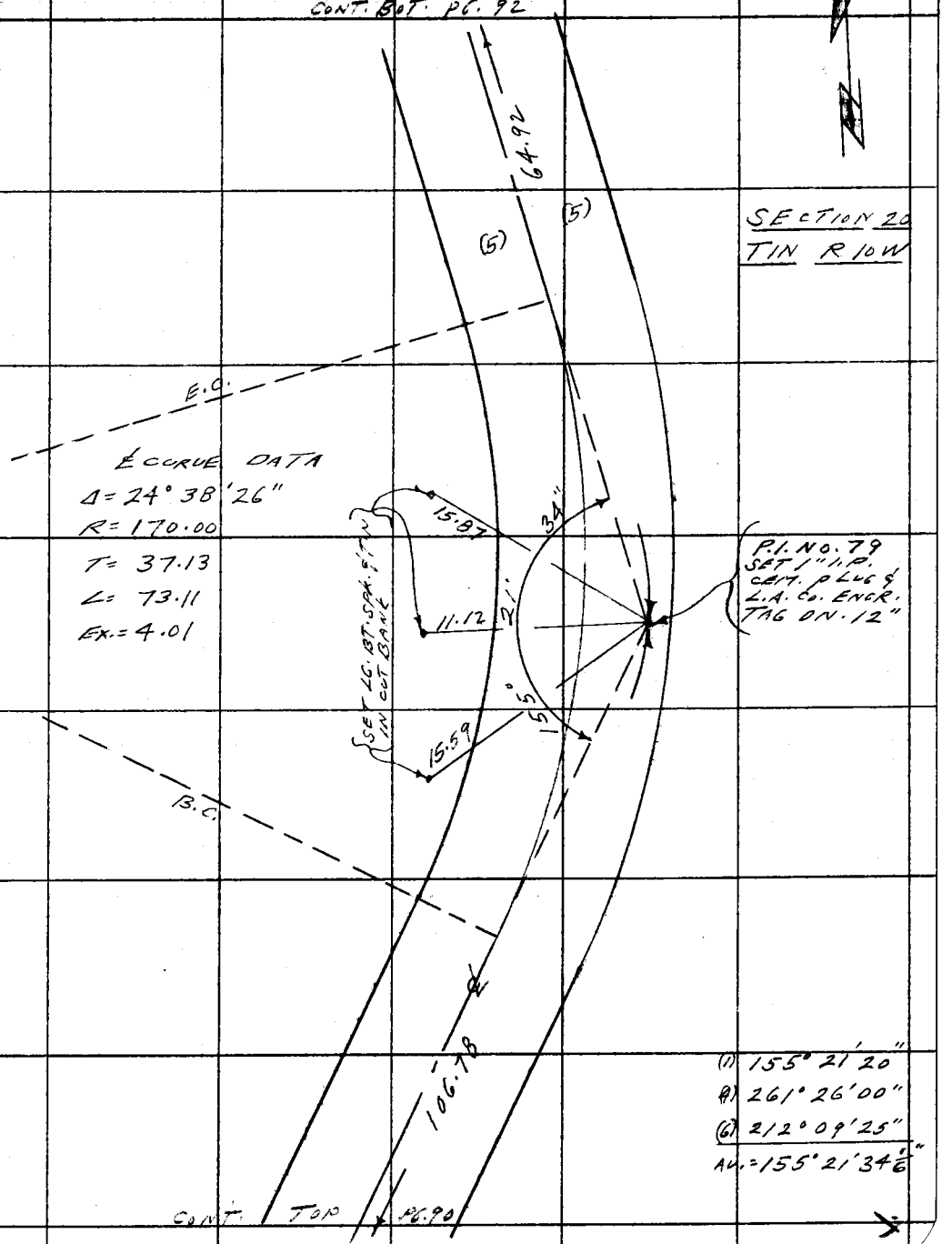
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 2-18-74
Tracked PALMERI MAY 9 1974

F. B. 4146 PG. 91

CONT. SOT. PG. 92



CONT. TOP PG. 90

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76F309S CE#310 3-69

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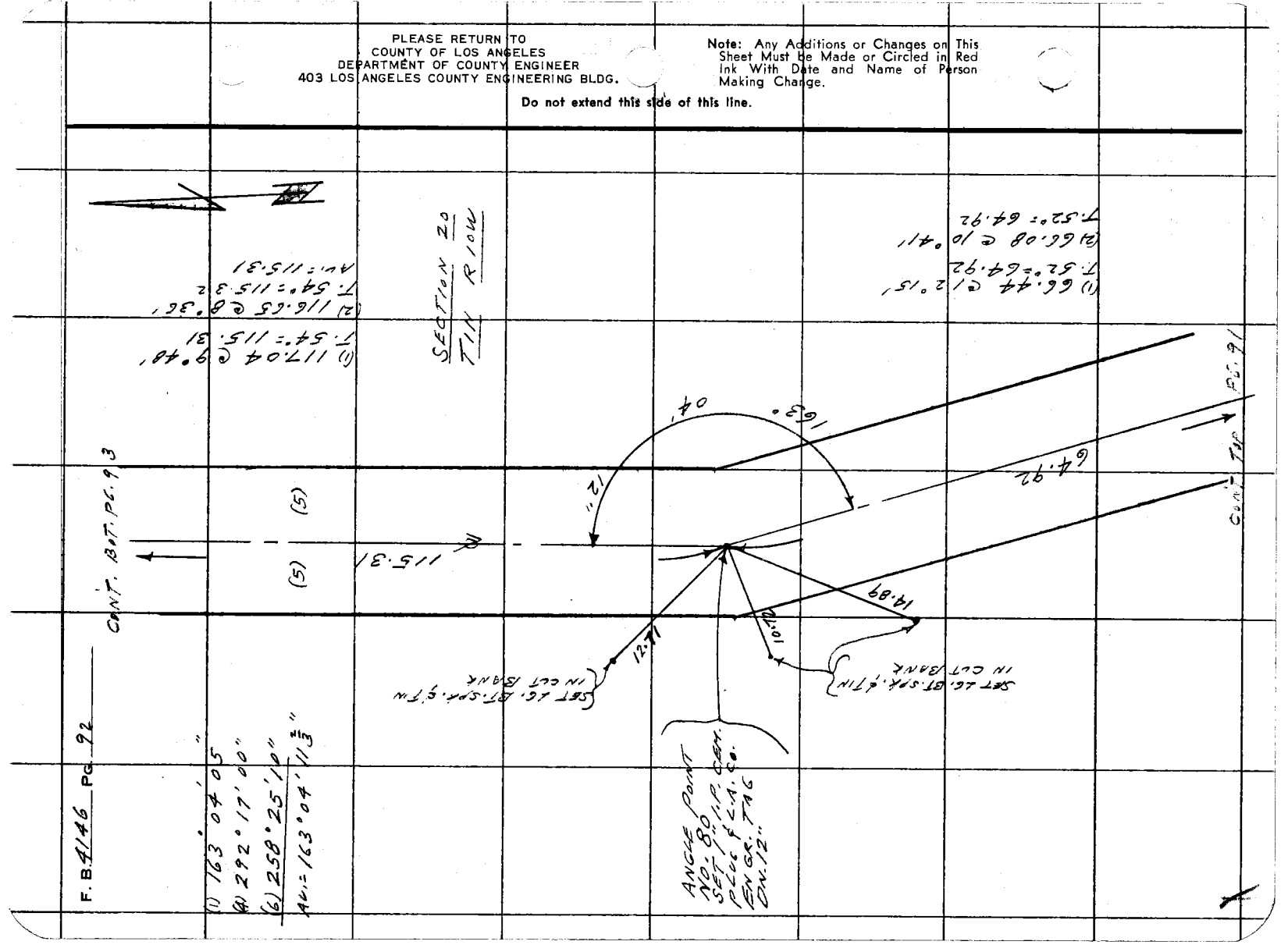
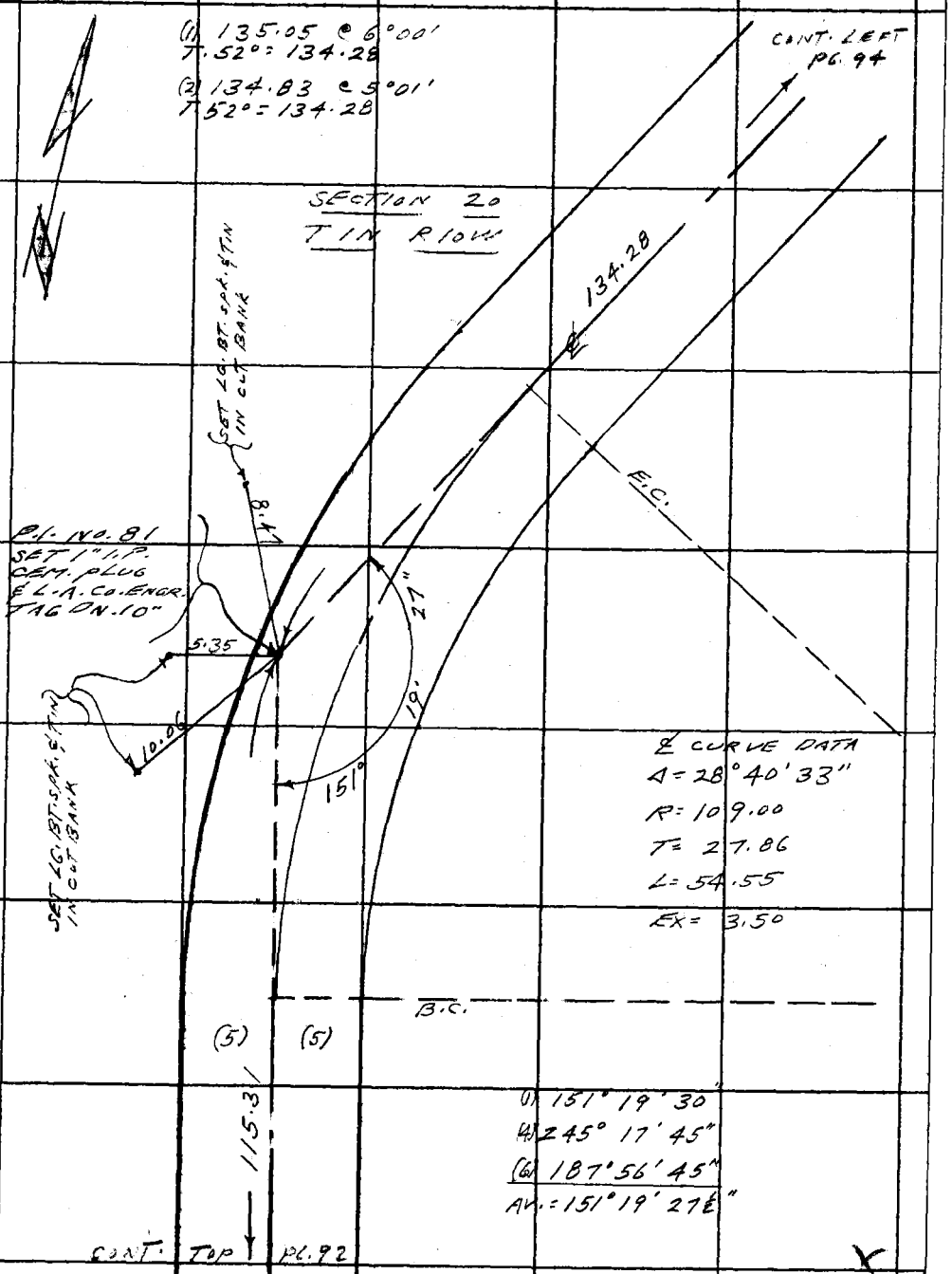


(1) 163° 04' 05"
(2) 292° 17' 00"
(6) 258° 25' 10"
Δ = 163° 04' 11 3/8"

F.B. 4146 PG. 92

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.2B Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-19-74
Date	Indexed T.M. PALMERI MAY 9 1974

F. B. 4146 Pg. 23



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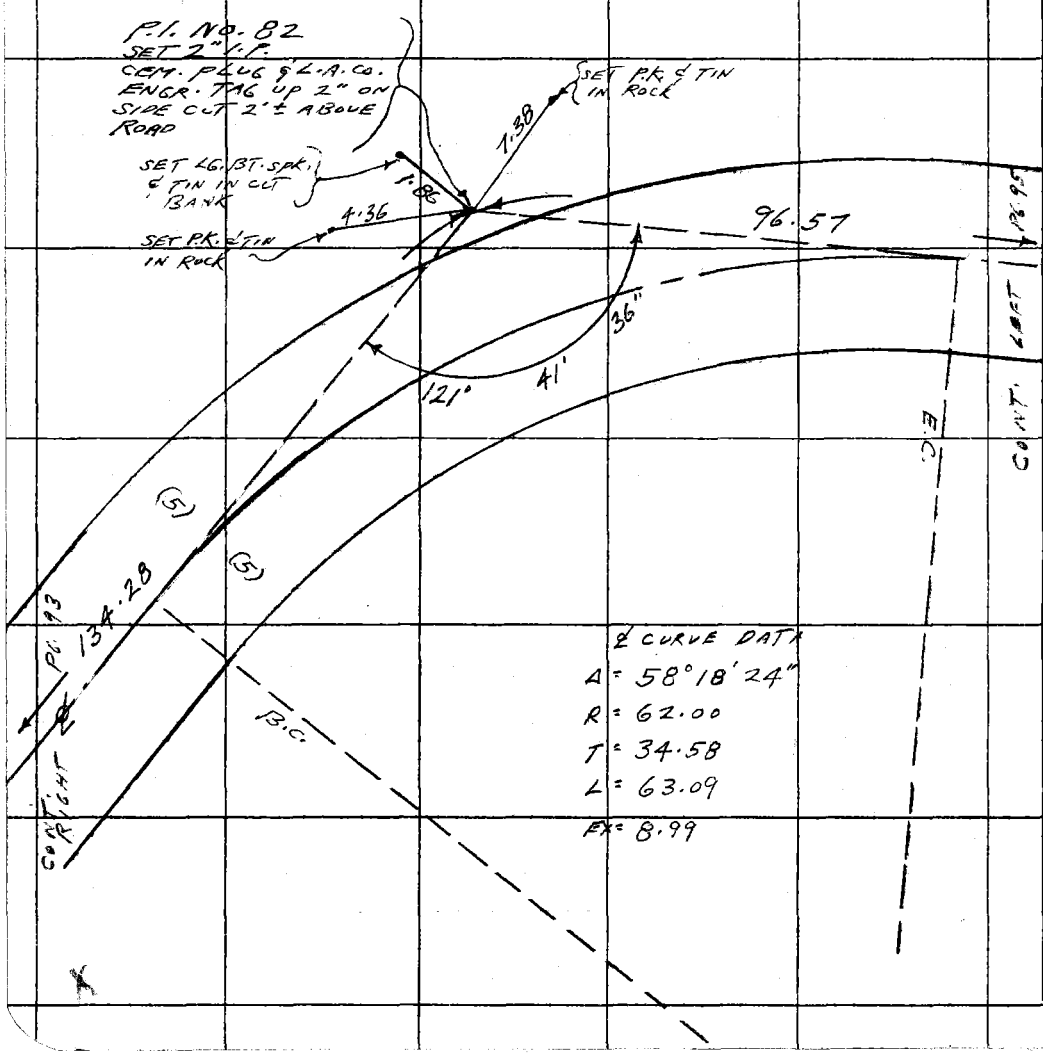
F. B. 4146 PG. 94

SECTION 20
TIN R10W

(1) 121° 41' 35"
(4) 126° 46' 30"
(6) 10° 09' 35"
AV. = 121° 41' 35 5/6"



℄ CURVE DATA
Δ = 58° 18' 24"
R = 62.00
T = 34.58
L = 63.09
EX = 8.99

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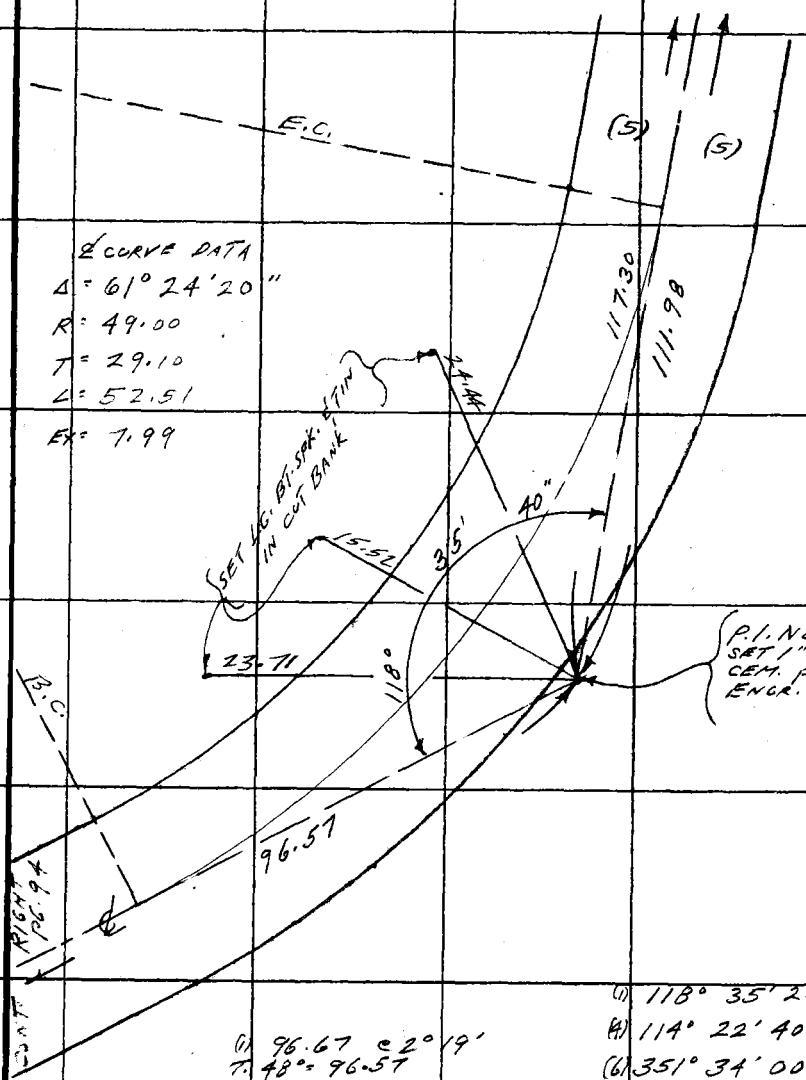
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 2256.23 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-19-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 95

SECTION 20
TIN RIOW

CONT. BOT. PG. 96



℄ CURVE DATA
Δ = 61° 24' 20"
R = 49.00
T = 29.10
L = 52.51
EX = 7.99

P.I. NO. 83
SET 1" I.P.
CEM. PLUG & L.A. CO.
ENGR. TAG DN. 12"

(1) 112.62 @ 5° 56'
T. 44° = 111.99
(2) 112.47 @ 5° 10'
T. 44° = 111.98
AV. = 111.98

(1) 96.67 @ 2° 19'
T. 48° = 96.57
(2) 96.72 @ 2° 55'
T. 48° = 96.57

(1) 118° 35' 20"
(4) 114° 22' 40"
(6) 351° 34' 00"
AV. = 118° 35' 40"

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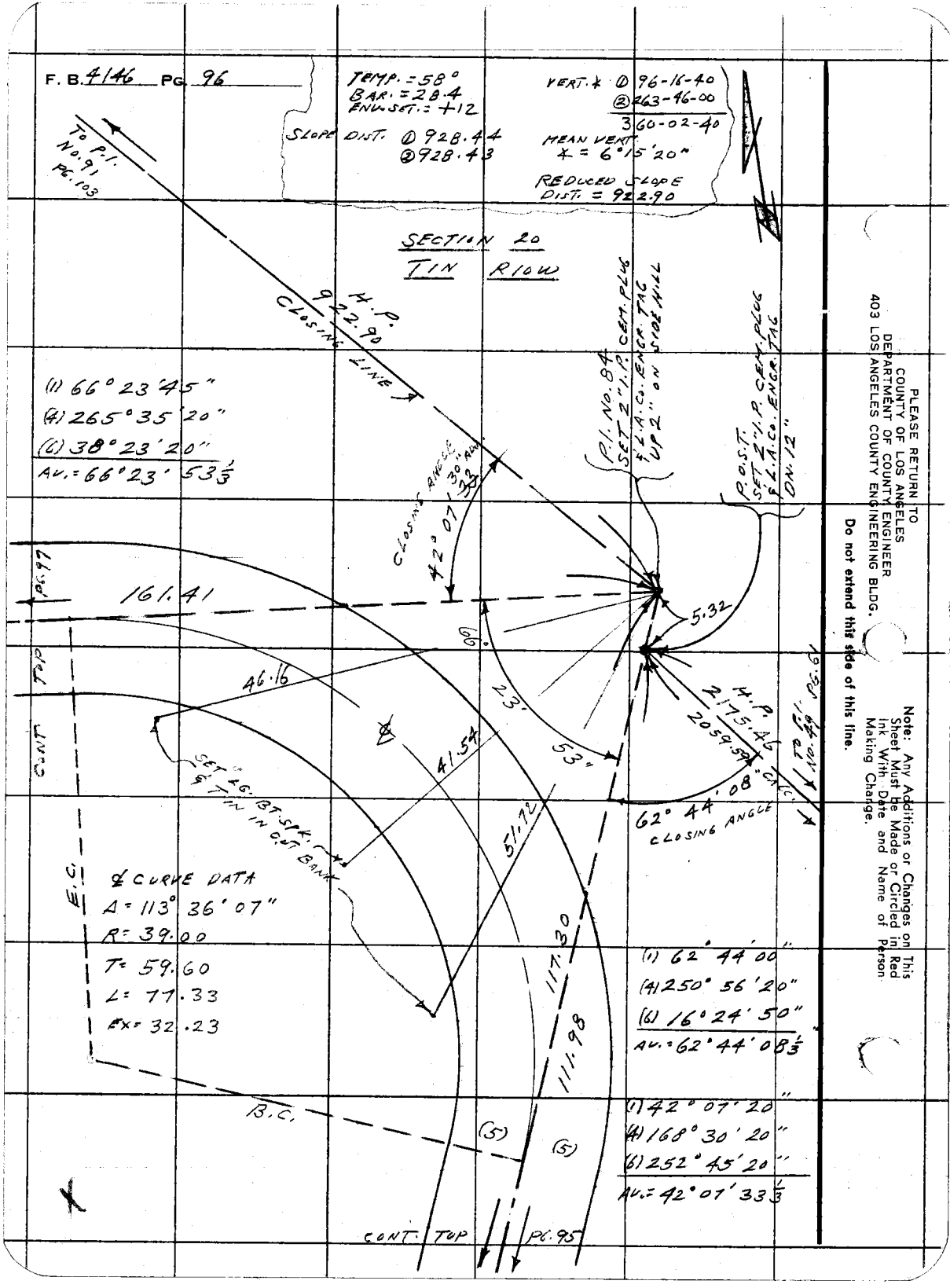

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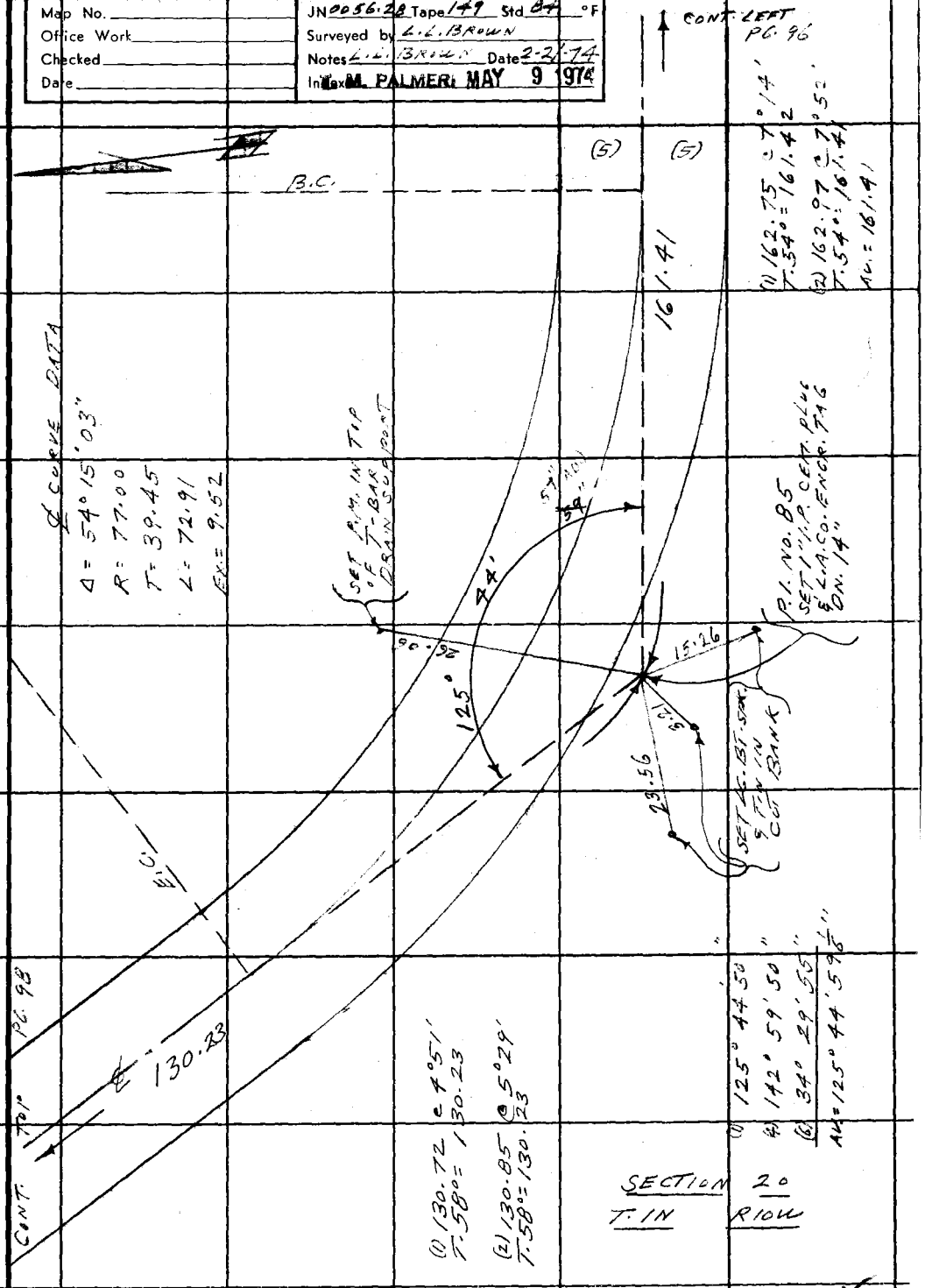
Notes Ck'd by R. BARTHOLOMEW	Survey of LAN TASCEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-21-74
Date	Index M. PALMER MAY 9 1974

F. B. 4146 PG. 97



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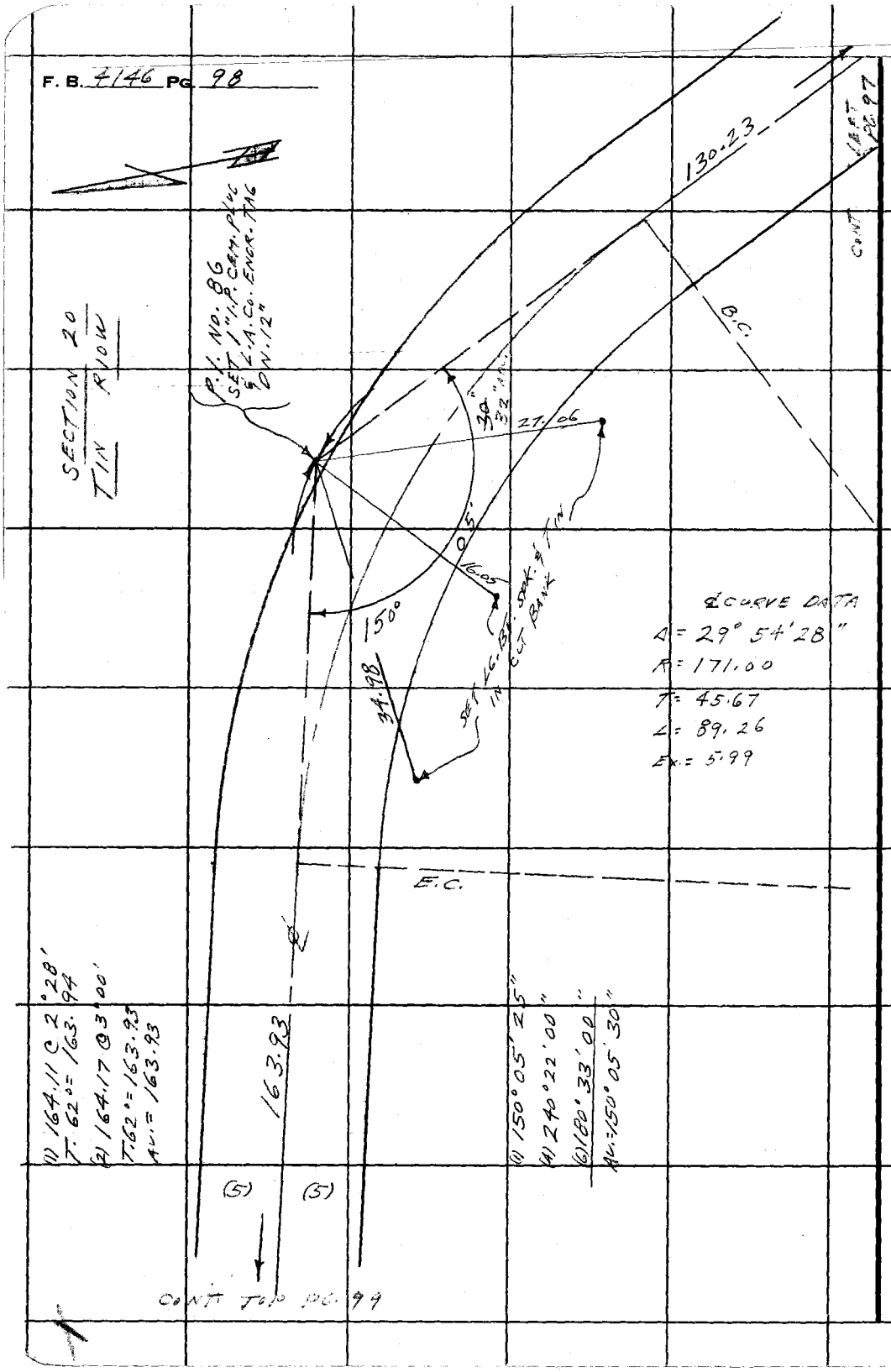
F. B. 4146 PG. 98



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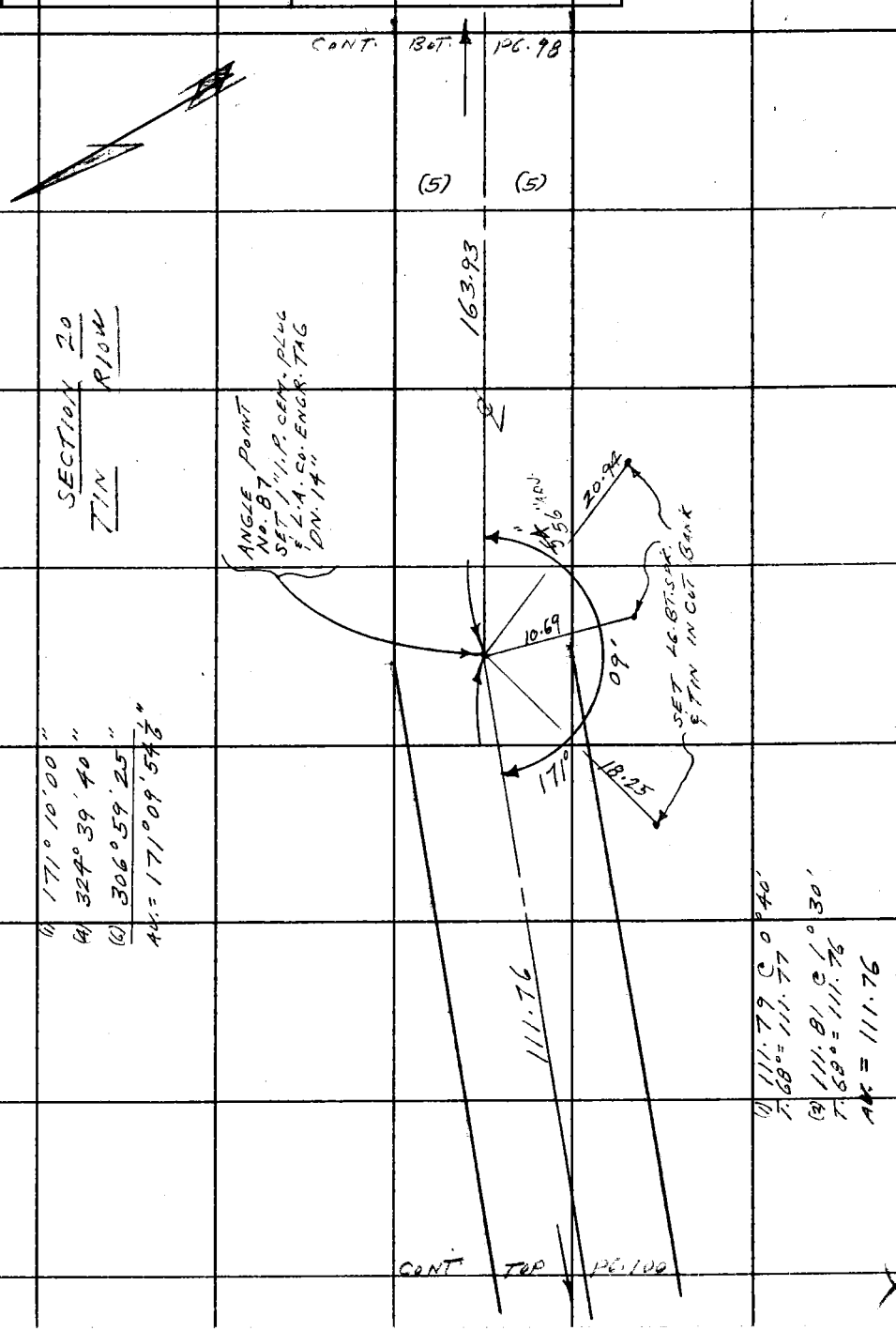
Notes Ck'd by R. BARTHOLOMEW	Survey of [illegible]
Map No.	JN 0056.29 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-21-74
Date	Index M. PALMERI MAY 9 1974

F. B. 4146 PG. 99



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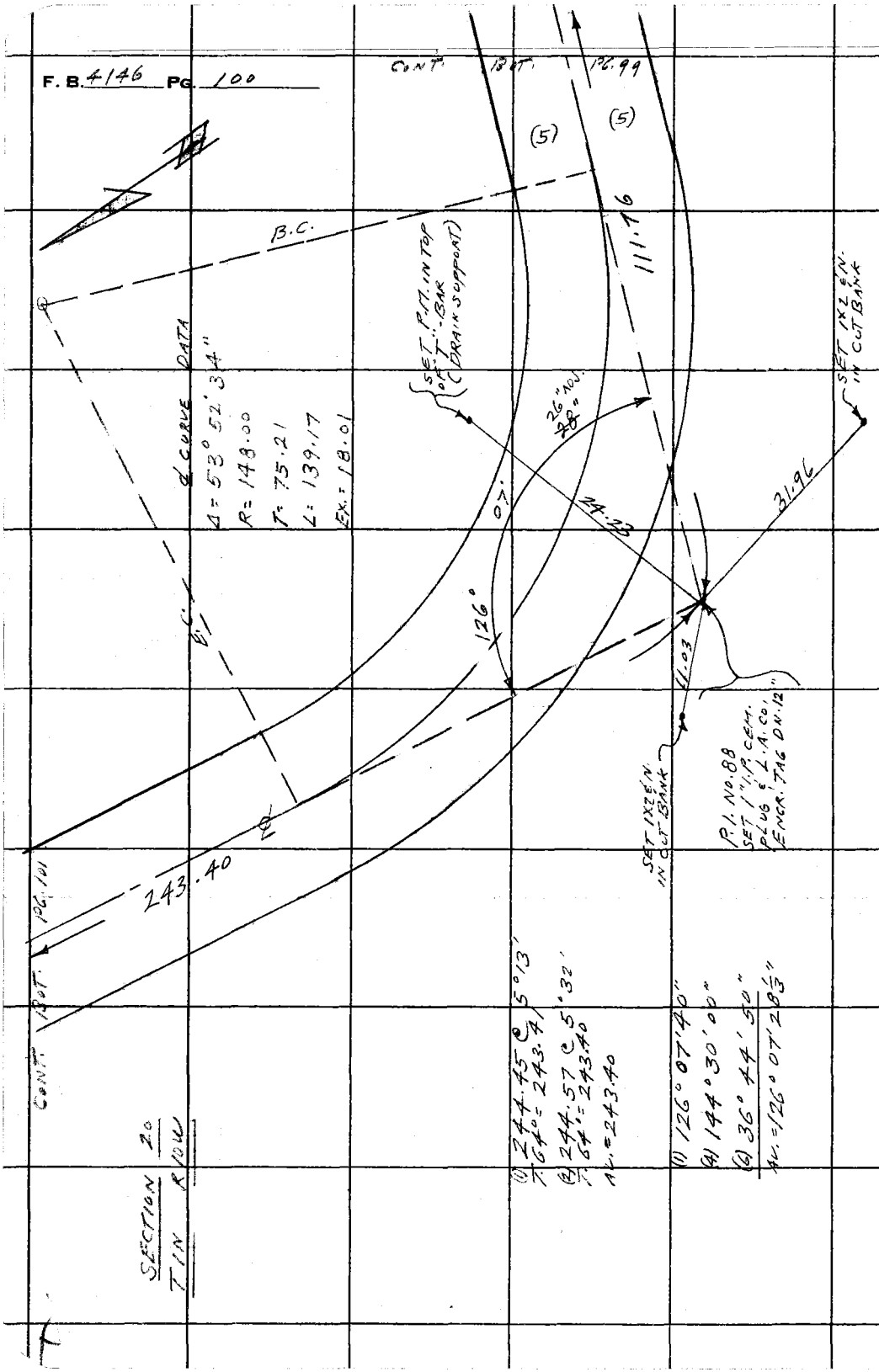
F. B. 4146 PG. 100



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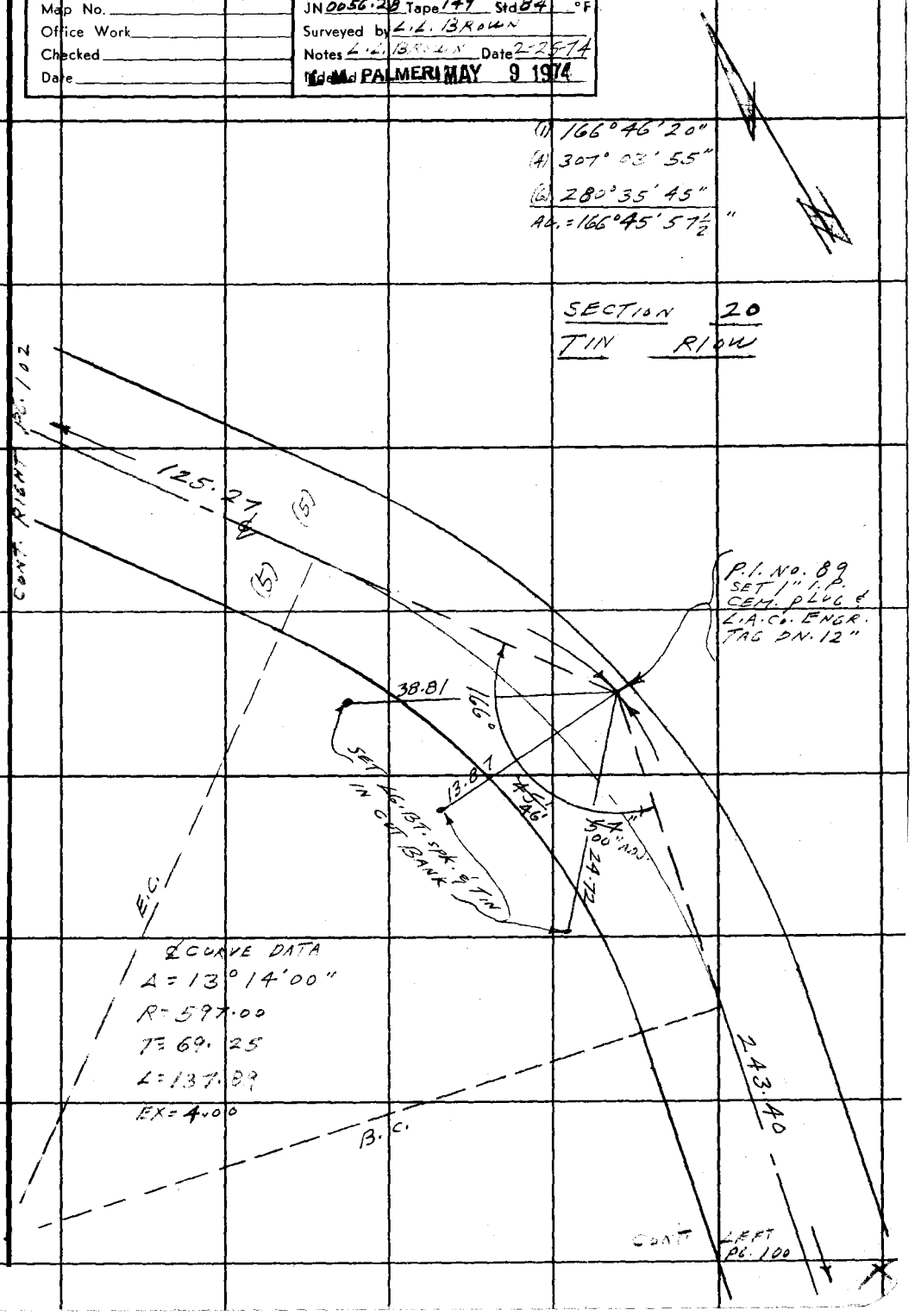
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-25-74
Date	Indexed L. M. PALMERI MAY 9 1974

F. B. 4146 PG. 101



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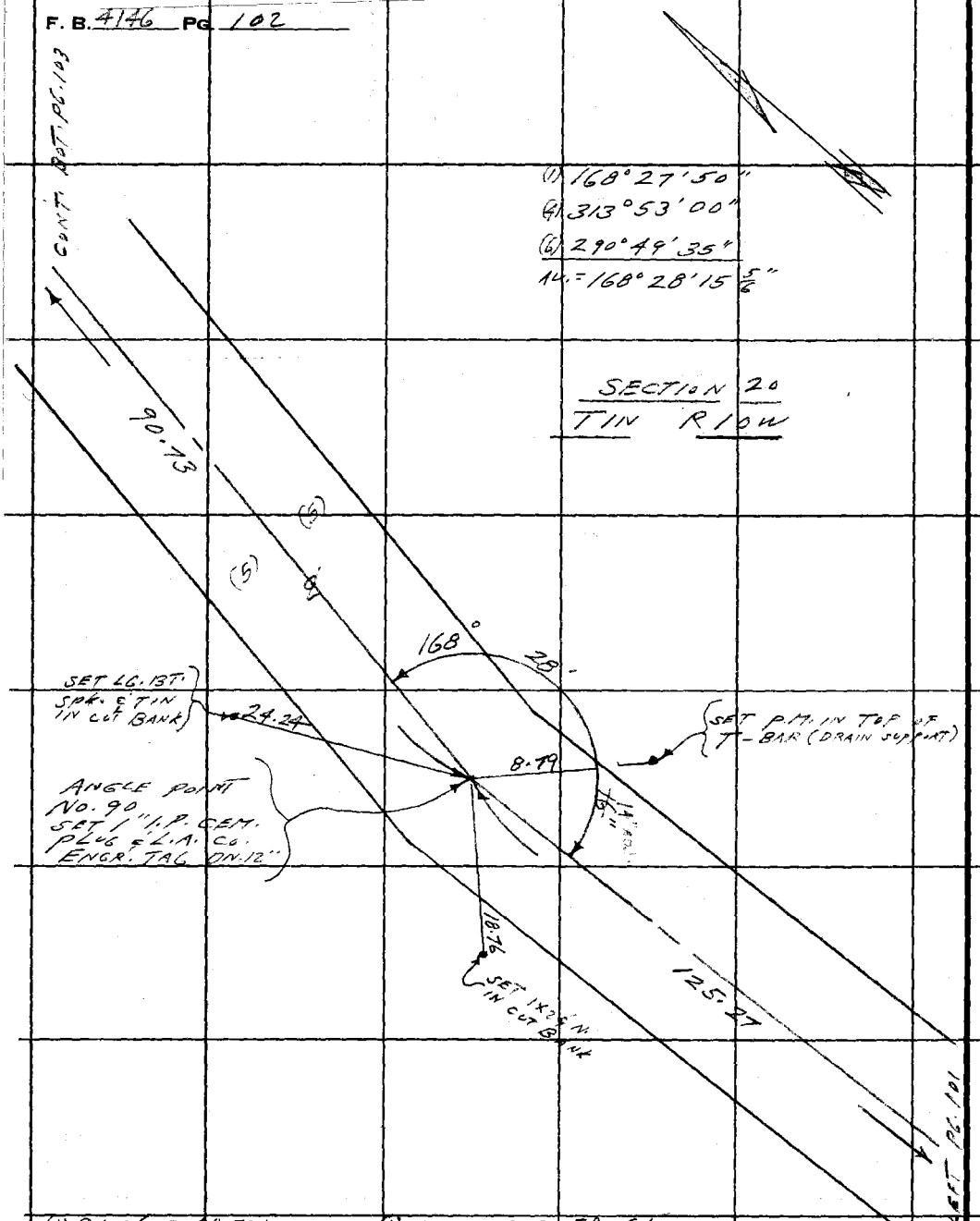
F. B. 4146 PG. 102



(1) 91.06 @ 4°52'
T. 76° = 90.73
(2) 91.17 @ 5°38'
T. 76° = 90.73

(1) 125.79 @ 5°06'
T. 76° = 125.28
(2) 125.88 @ 5°35'
T. 76° = 125.27
AV. = 125.27

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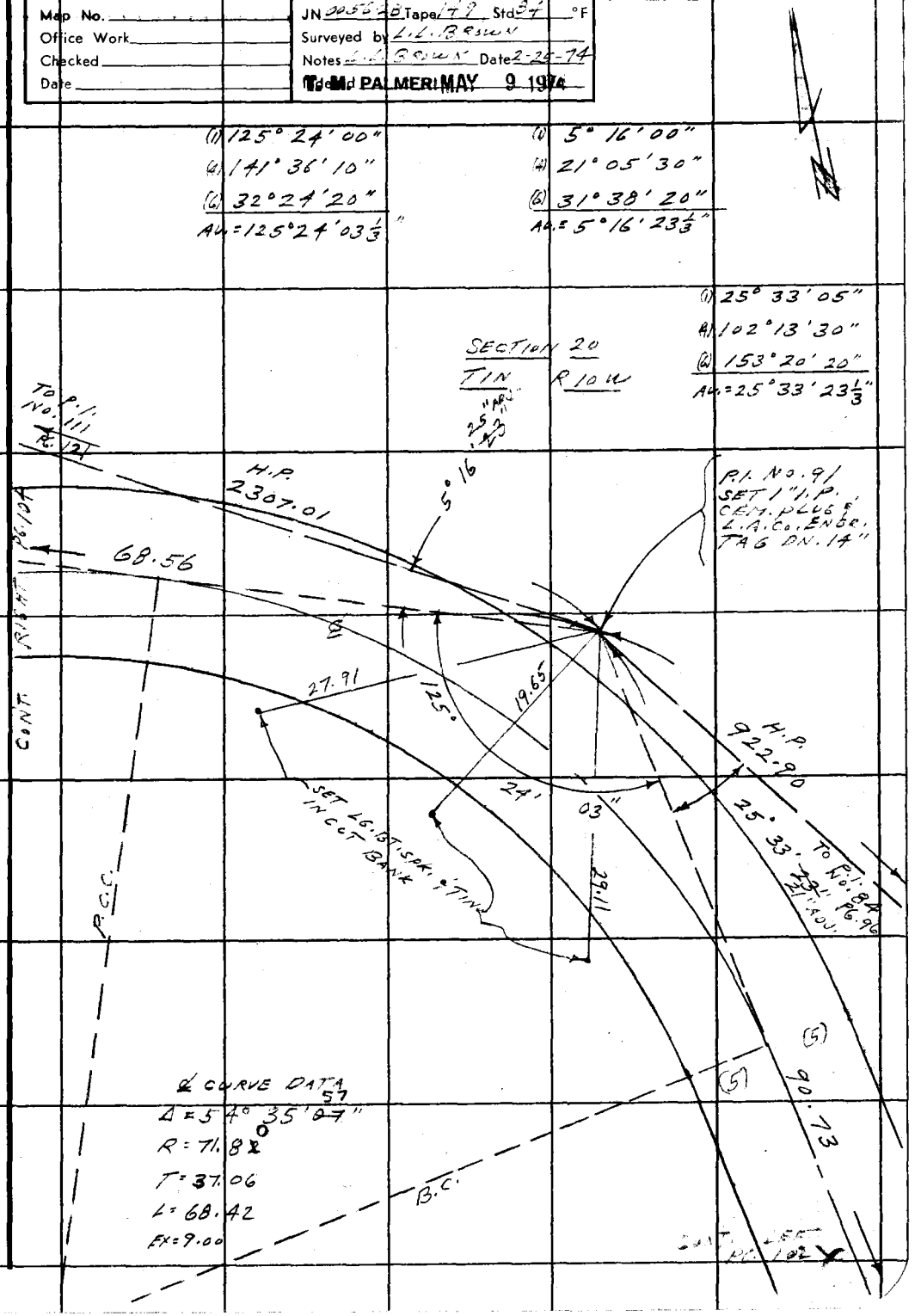
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 00562B Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-25-74
Date	Tdd PALMER MAY 9 1974

F. B. 4146 PG. 103



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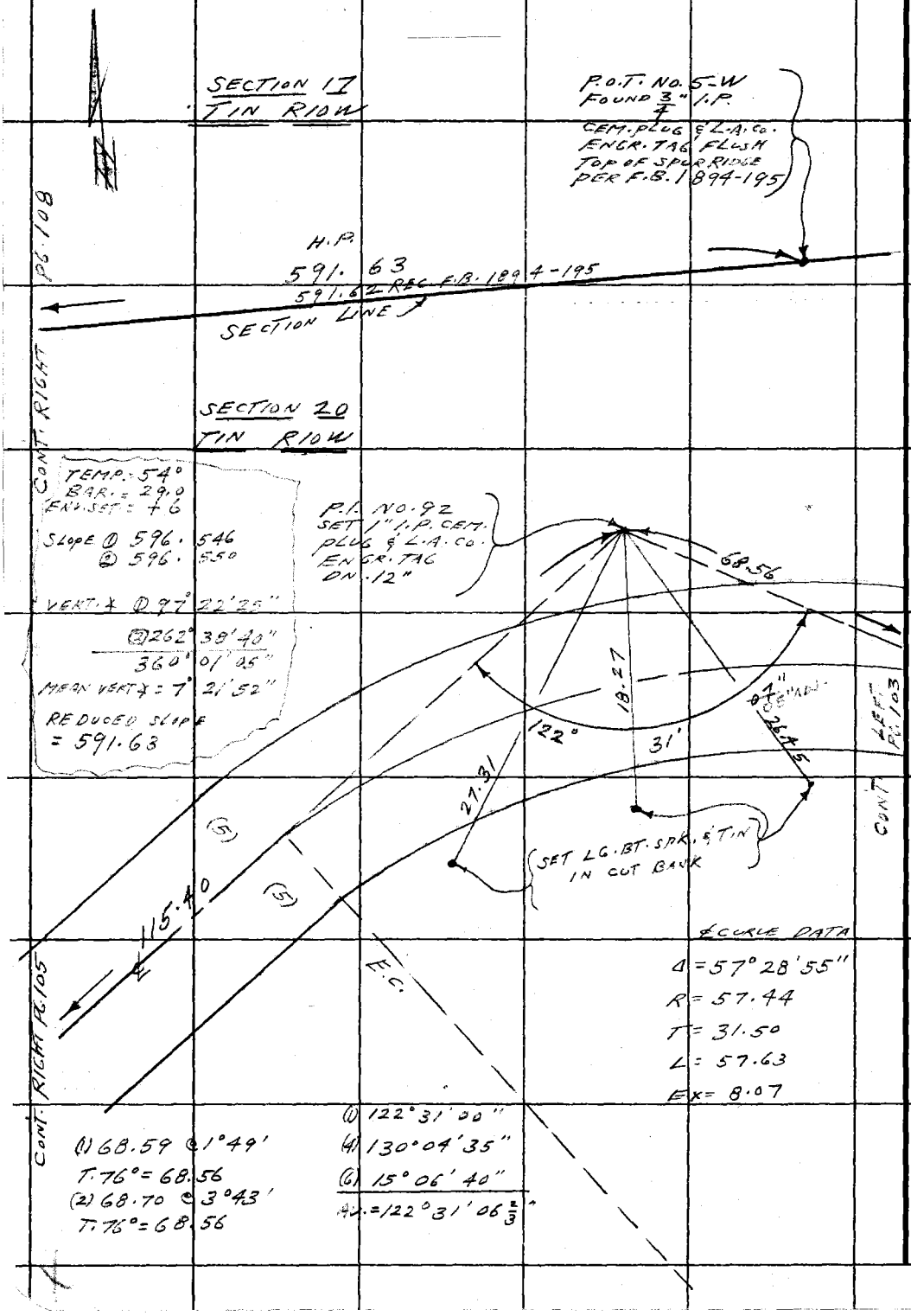
76F3095 CE#310 3-68

F. B. 4146 PG. 104



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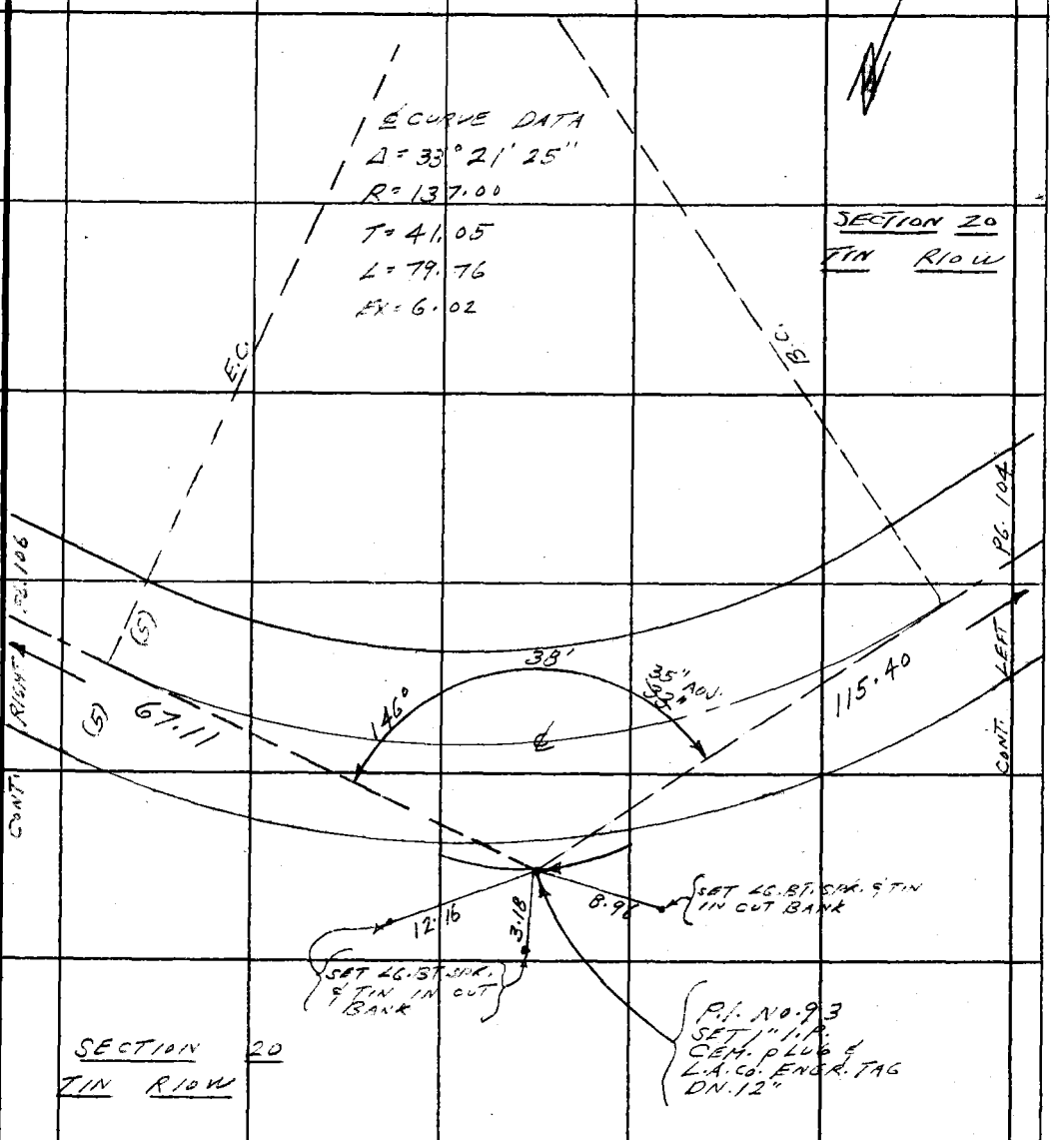
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 2-25-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 105



(1) 146° 38' 20"
(4) 226° 34' 00"
(6) 159° 51' 20"
AV. = 146° 38' 33 1/3"

(1) 115.70 @ 4° 04'
T. 74° = 115.40
(2) 115.83 @ 4° 50'
T. 74° = 115.41
AV. 115.70

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F. B. 4146 Pg. 106

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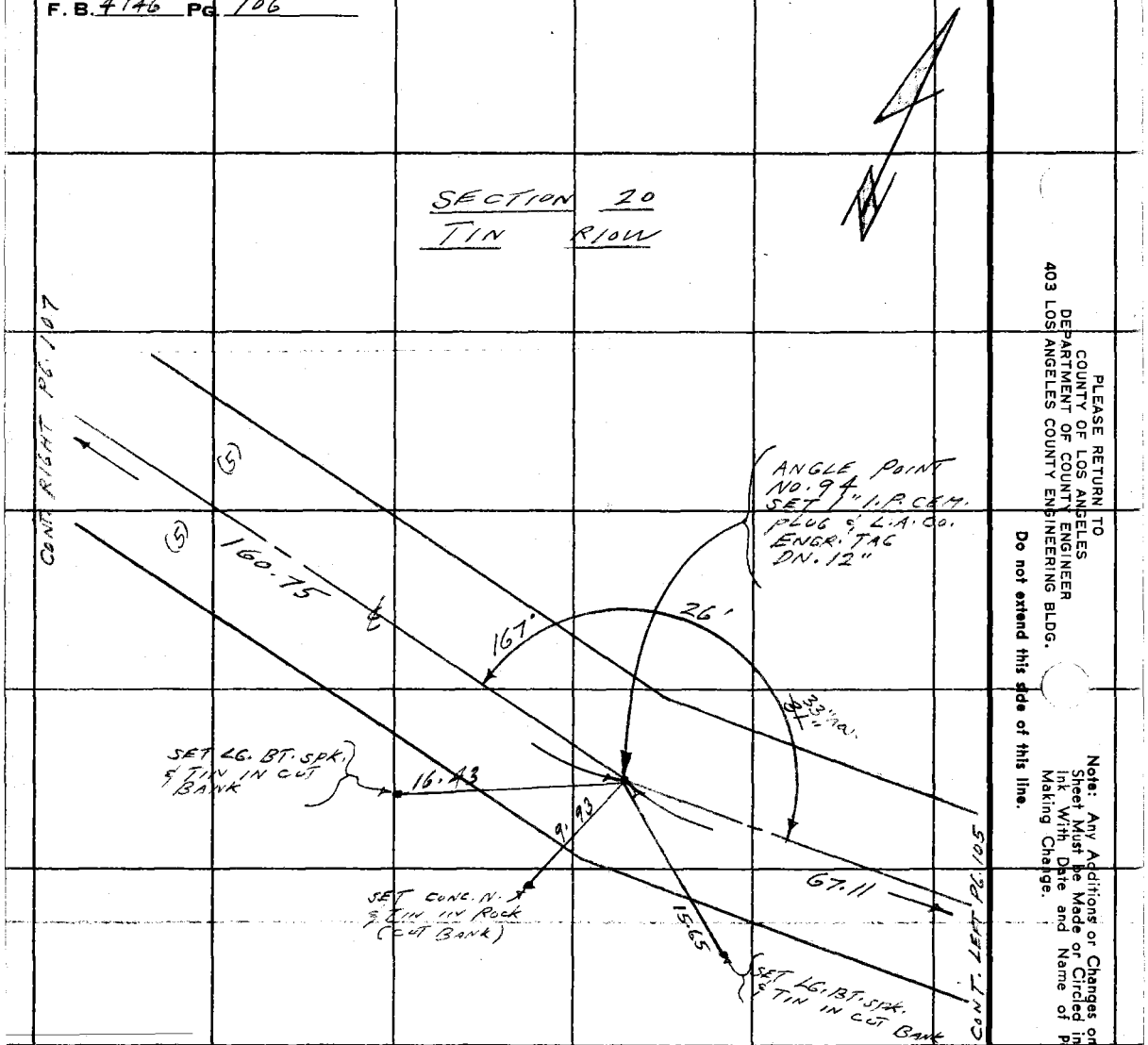
SECTION 20
T1N R10W

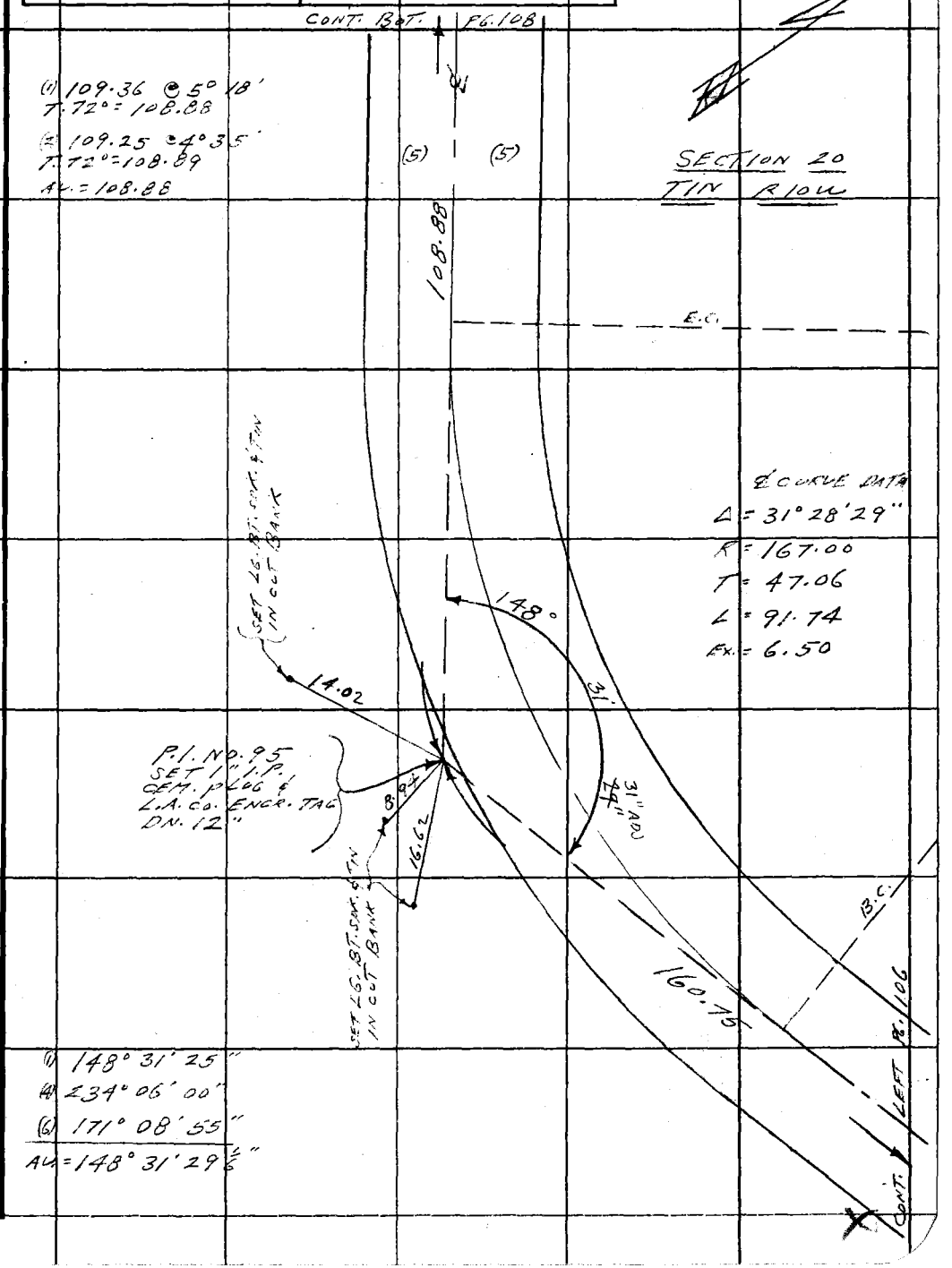


(1) 167° 26' 40"
(4) 309° 46' 05"
(2) 284° 39' 05"
Av. = 167° 26' 30 5/6"

(1) 161.66 @ 6°03'
T.66° = 160.74
(2) 161.50 @ 5°24'
T.66° = 160.76
Av. = 160.75

(1) 67.30 @ 4° 11'
T.64° = 67.11
(2) 67.46 @ 5° 44'
T.64° = 67.11

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 107
Map No.	JN 2056-33 Tape 77 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 2-26-74	
Date	Index T. M. PALMERI MAY 9 1974	



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76F309S CE#310 3-68

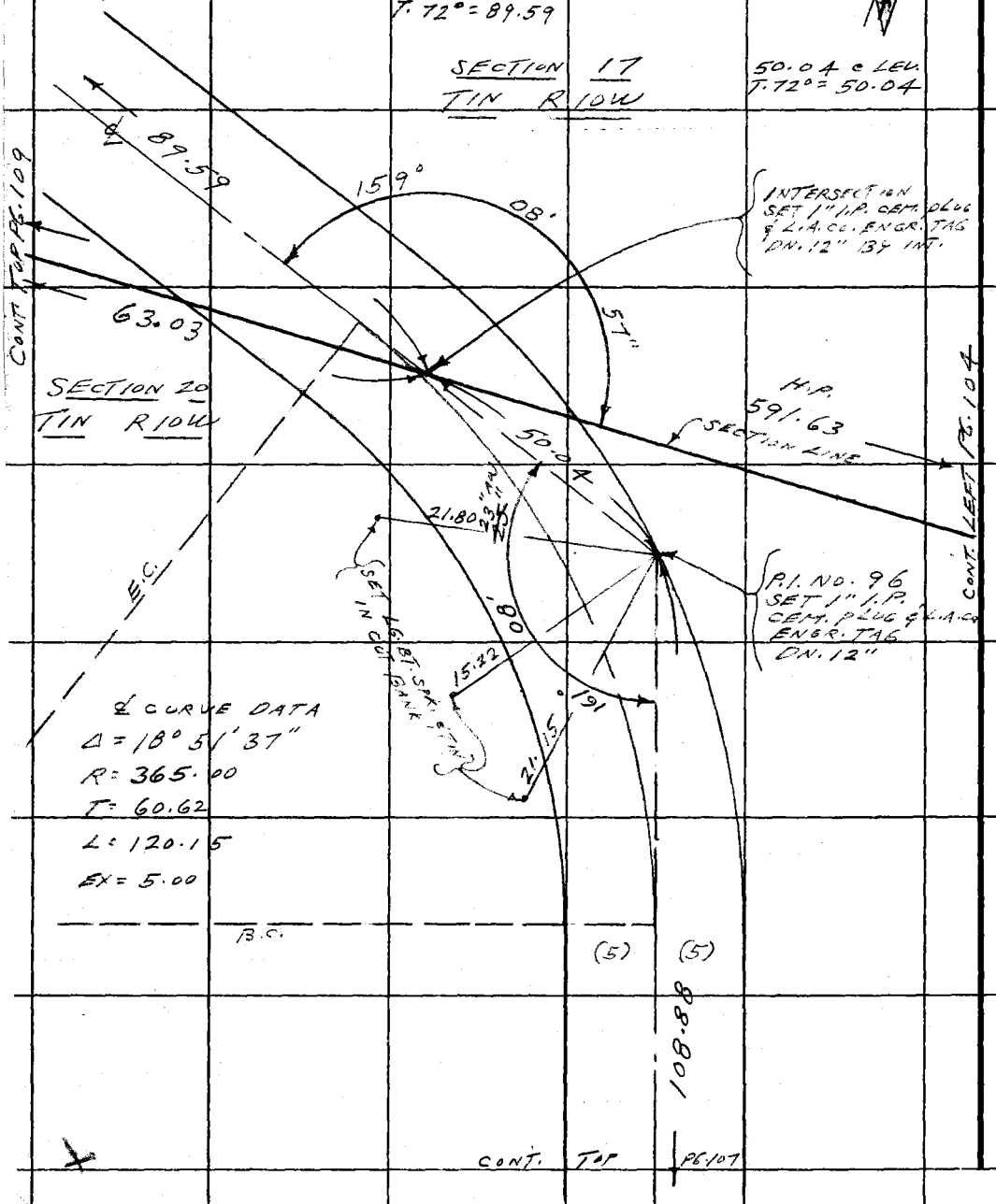
F. B. 1146 Pg. 108

(1) 159° 09' 15"	(1) 161° 08' 20"
(4) 276° 35' 40"	(4) 284° 33' 25"
(6) 234° 53' 40"	(6) 246° 50' 30"
Av. = 159° 08' 56 2/3"	Av. = 161° 08' 25"

89.60 @ LEU.
T. 72° = 89.59

SECTION 17
T1N R10W

50.04 @ LEU.
T. 72° = 50.04



℄ CURVE DATA
Δ = 18° 51' 37"
R = 365.00
T = 60.62
L = 120.15
EX = 5.00

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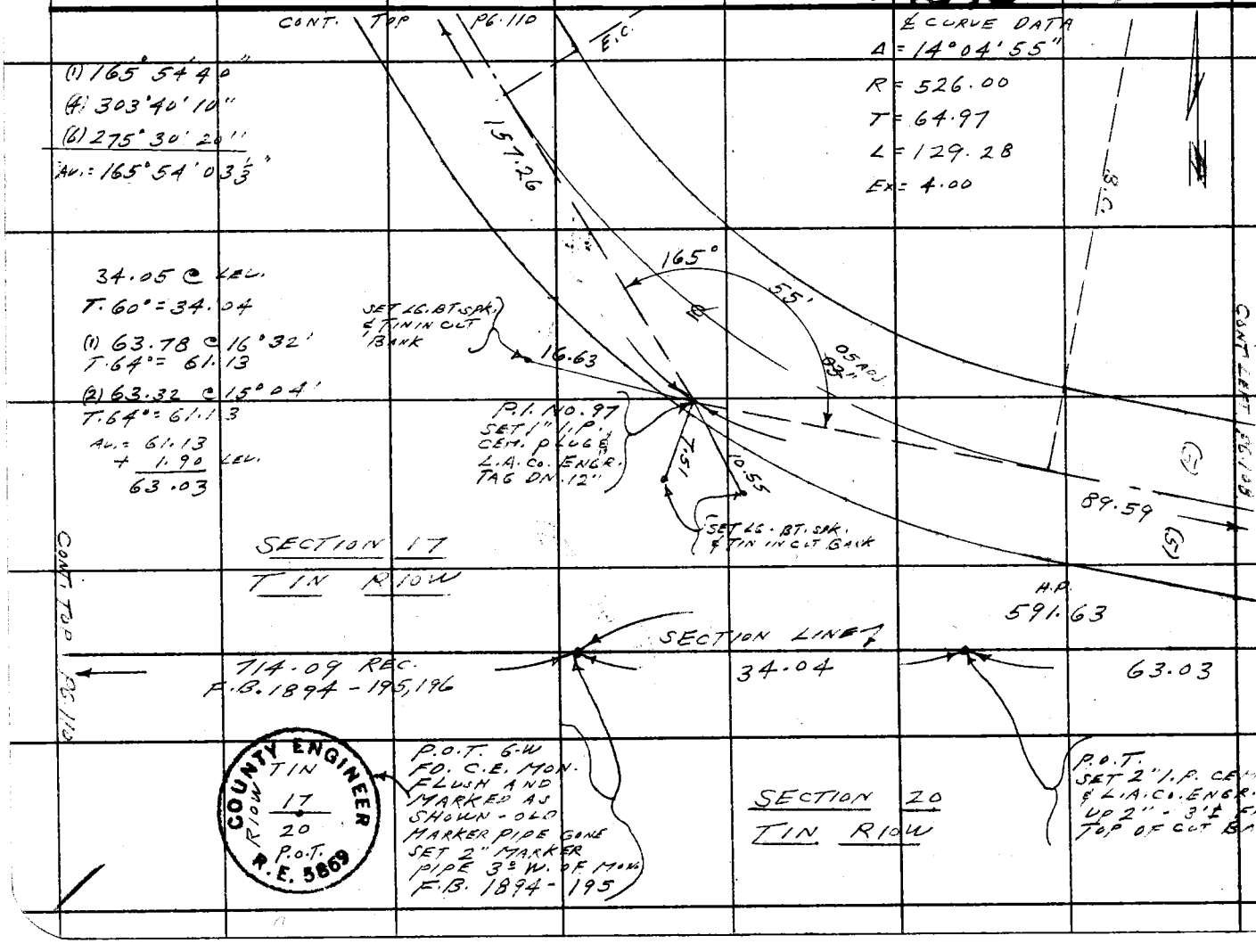
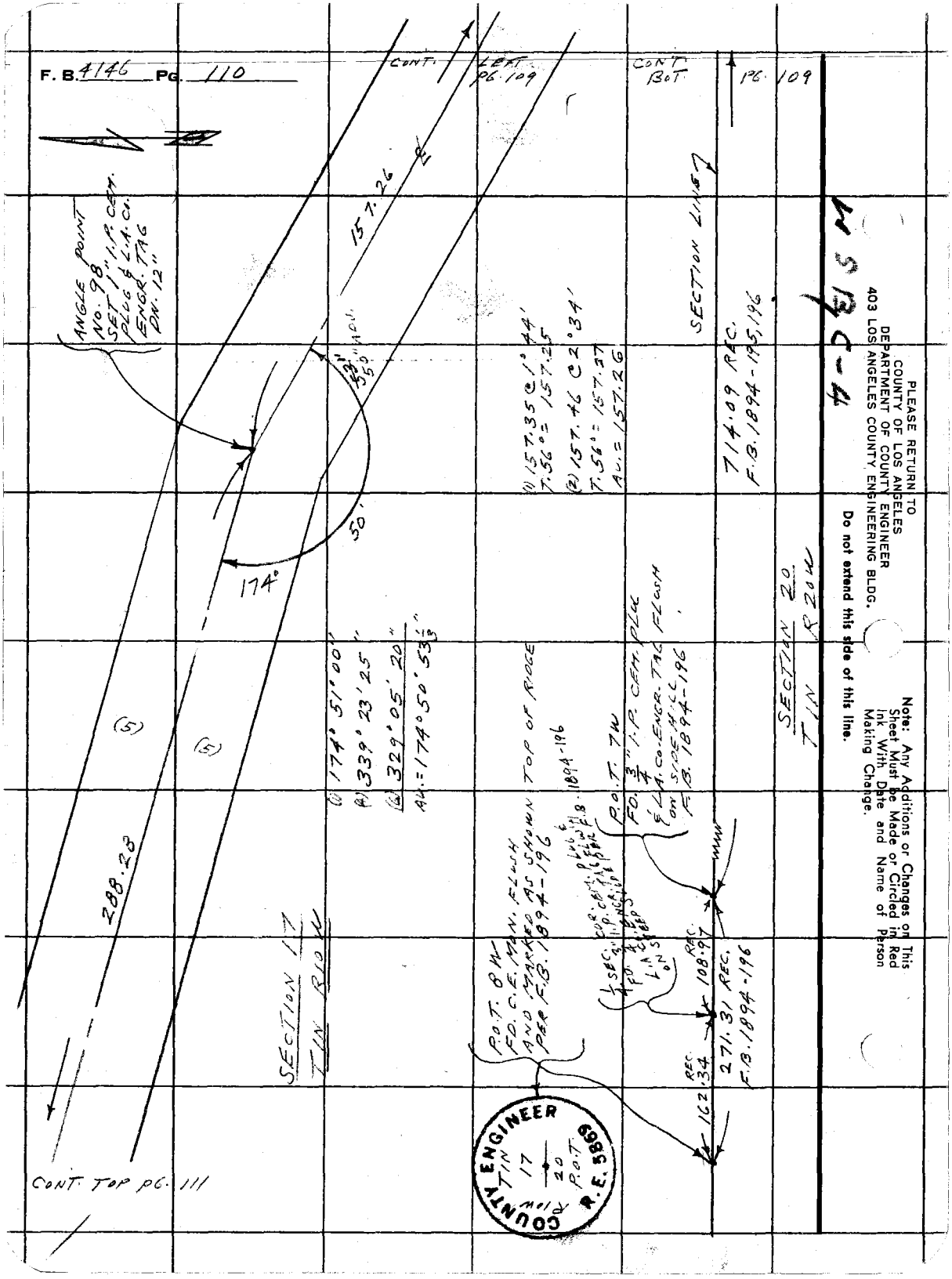
W.S. 13 C-4



Notes Ck. R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0056.48 Tape 147 Std. 24 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 2-26-74
Tide M. PALMER MAY 9 1974

F.B. 4146 PG. 109


F. B. 4146 PG. 110
CONT. LEFT PG. 109
CONT. BOT. PG. 109
157.26
ANGLE POINT NO. 98 SET 1" I.P. CEM. PLUG & L.A. CO. ENGR. TAG DN. 12"
55.0" ADJ.
50'
174°
(5)
(5)
288.23
(1) 174° 51' 00"
(2) 339° 23' 25"
(3) 329° 05' 20"
AV. = 174° 50' 53 1/3"
SECTION 17
TIN R10W
(1) 157.35 @ 1° 44'
T. 56° = 157.25
(2) 157.46 @ 2° 34'
T. 56° = 157.27
AV. = 157.26
SECTION LINE
714.09 REC.
F.B. 1894-195, 196
SECTION 20
TIN R20W
P.O.T. 7W
FD. 3/4" I.P. CEM. PLUG & L.A. CO. ENGR. TAG FLUSH ON SIDE HILL
F.B. 1894-196
P.O.T. 8W
FD. C.E. MON. FLUSH AND MARKED AS SHOWN TOP OF RIDGE PER F.B. 1894-196
1/4 SEC. COR. CEM. PLUG & L.A. CO. ENGR. TAG FLUSH ON SIDE HILL
F.B. 1894-196
REC. 108.97
REC. 162.34
271.31 REC.
F.B. 1894-196
COUNTY ENGINEER
TIN 17
R10W 20
P.O.T.
R.E. 5869
CONT. TOP PG. 111
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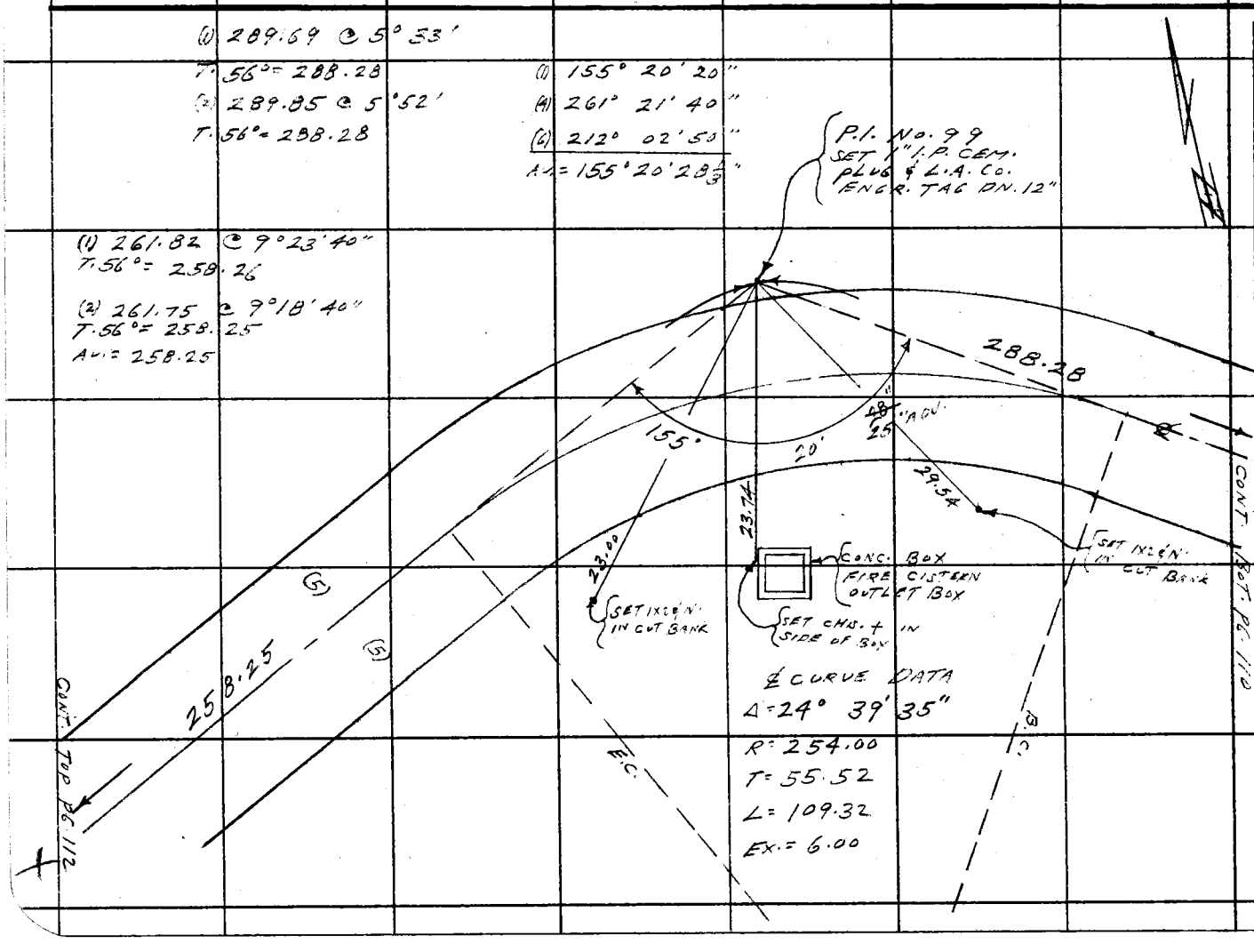

Notes Ck'd by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape 149 Std. 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 3-5-74
Edited PALMER MAY 9 1974

F. B. 4146 PG. 111

F. B. 4146 Pg 112

CONT. B.O.T. Pg. 111

℄ CURVE DATA
Δ = 34° 11' 30"
R = 108.00
T = 33.21
L = 64.45
Ex = 4.99

(1) 91.13 @ 90° 00'
T.580 = 89.96
(2) 91.45 @ 10° 16' 30"
T.580 = 89.96

(1) 145° 48' 15"
Az 23° 13' 45"
(2) 159° 50' 45"
Az 145° 48' 27 1/2"

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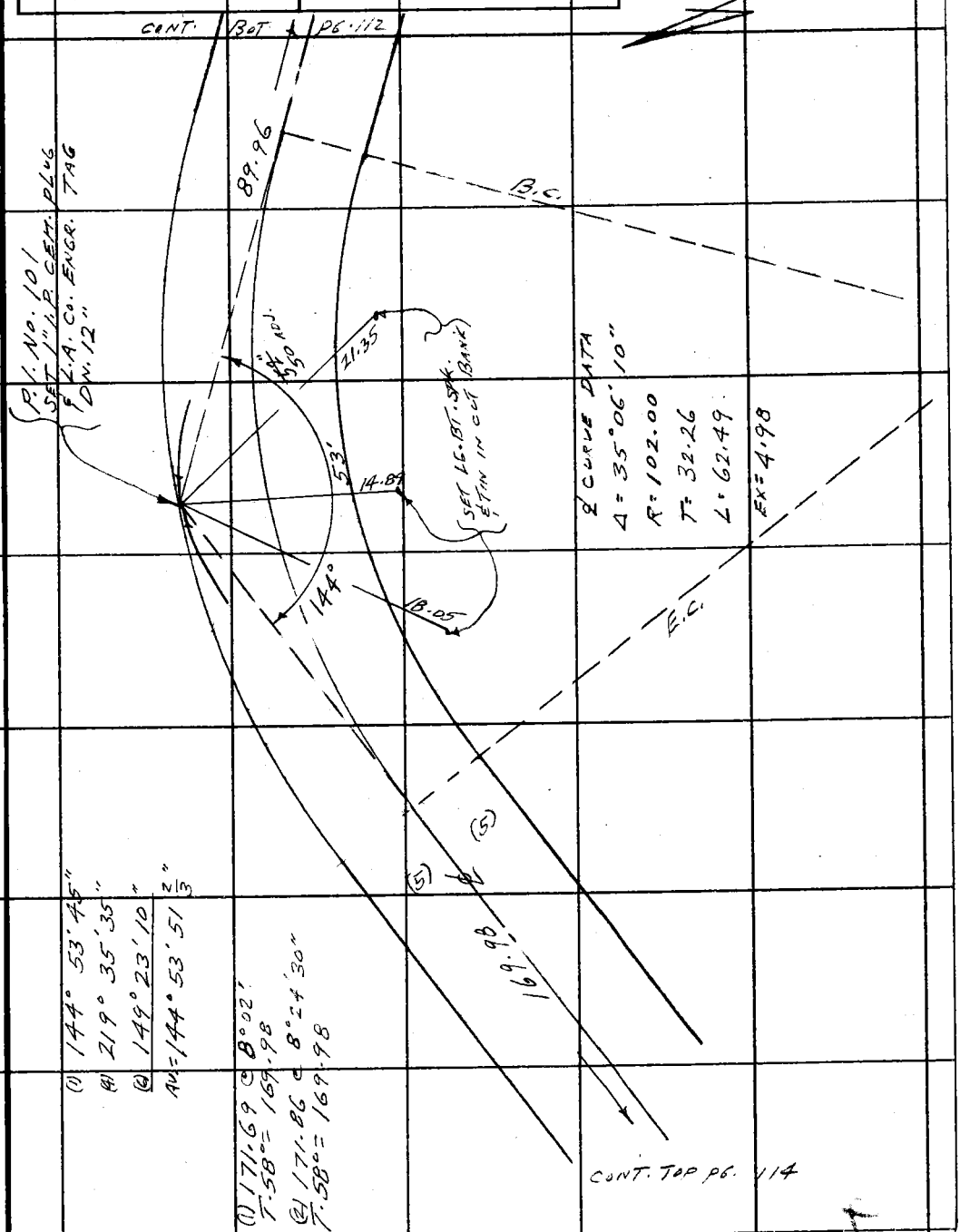
Notes Ch'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0456.26 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 3-5-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 113



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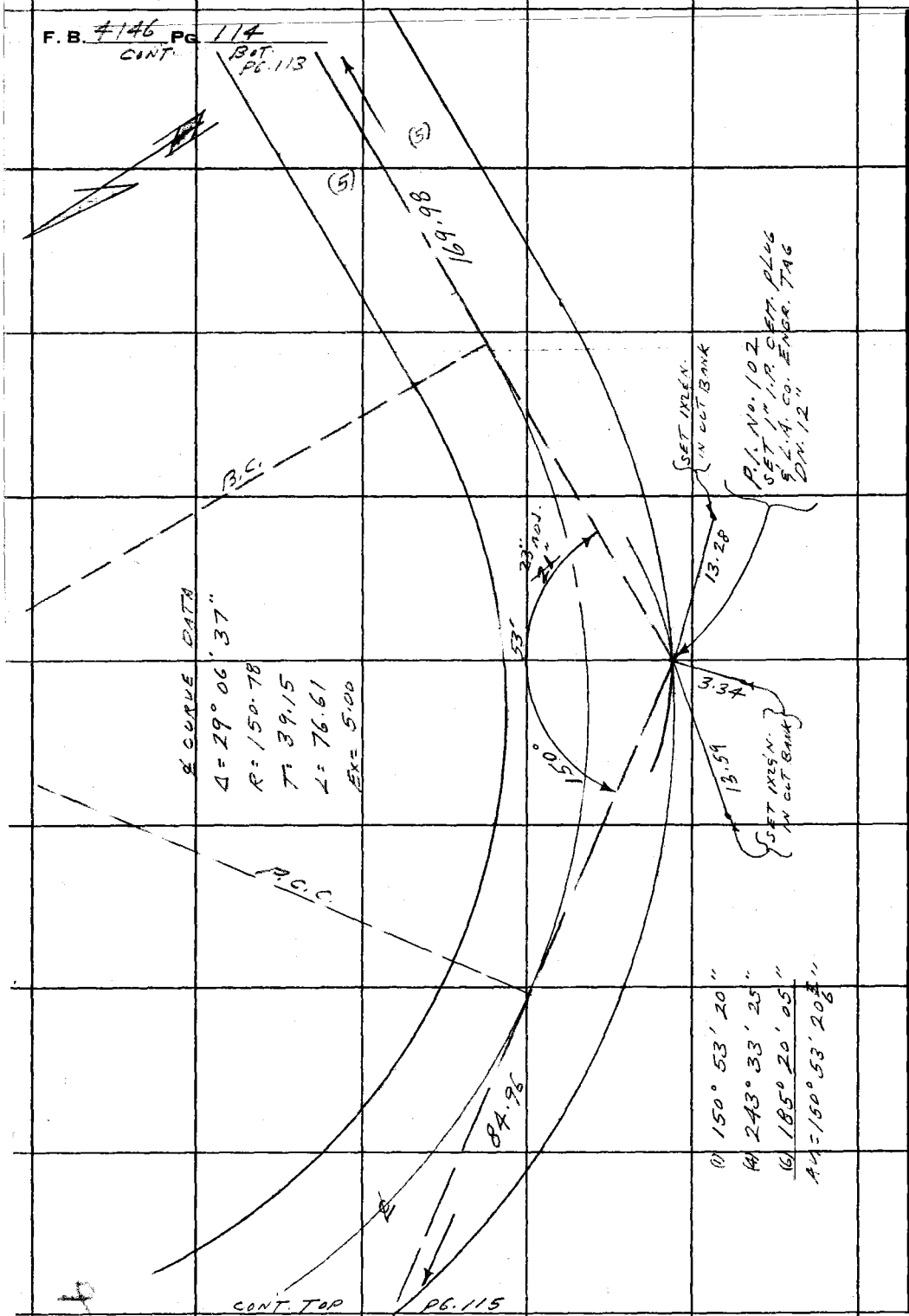
F. B. 4146 PG. 114
CONT.



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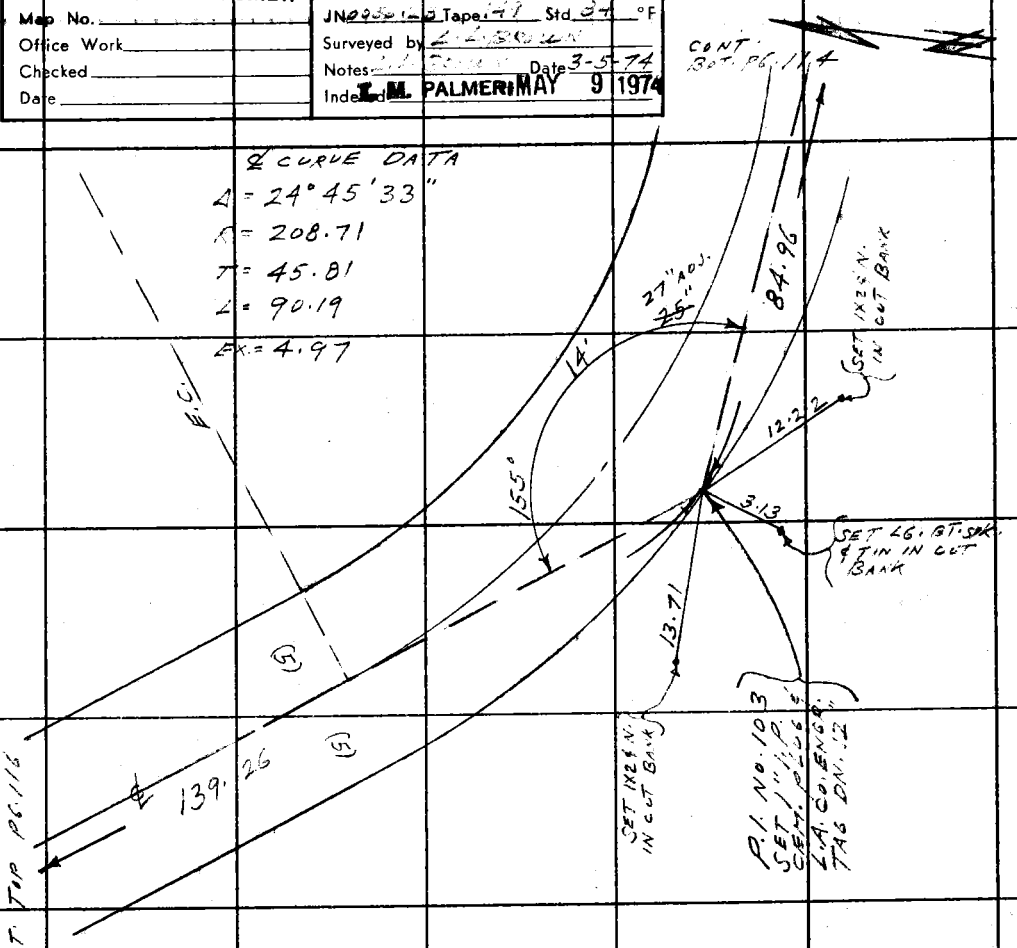
Notes Ckd. by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 115
Map No.	JN [illegible] Tape 149 Std 34 °F	
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date 3-5-74	
Date	Indexed T. M. PALMERI MAY 9 1974	



(1) 141.05 @ 9° 05'
T. 60° = 139.26
(2) 141.35 @ 9° 49'
T. 60° = 139.26

(1) 85.94 @ 8° 38'
T. 58° = 84.96
(2) 86.19 @ 9° 39'
T. 58° = 84.96

(1) 155° 14' 20"
(4) 260° 57' 40"
(6) 211° 26' 30"
AV. = 155° 14' 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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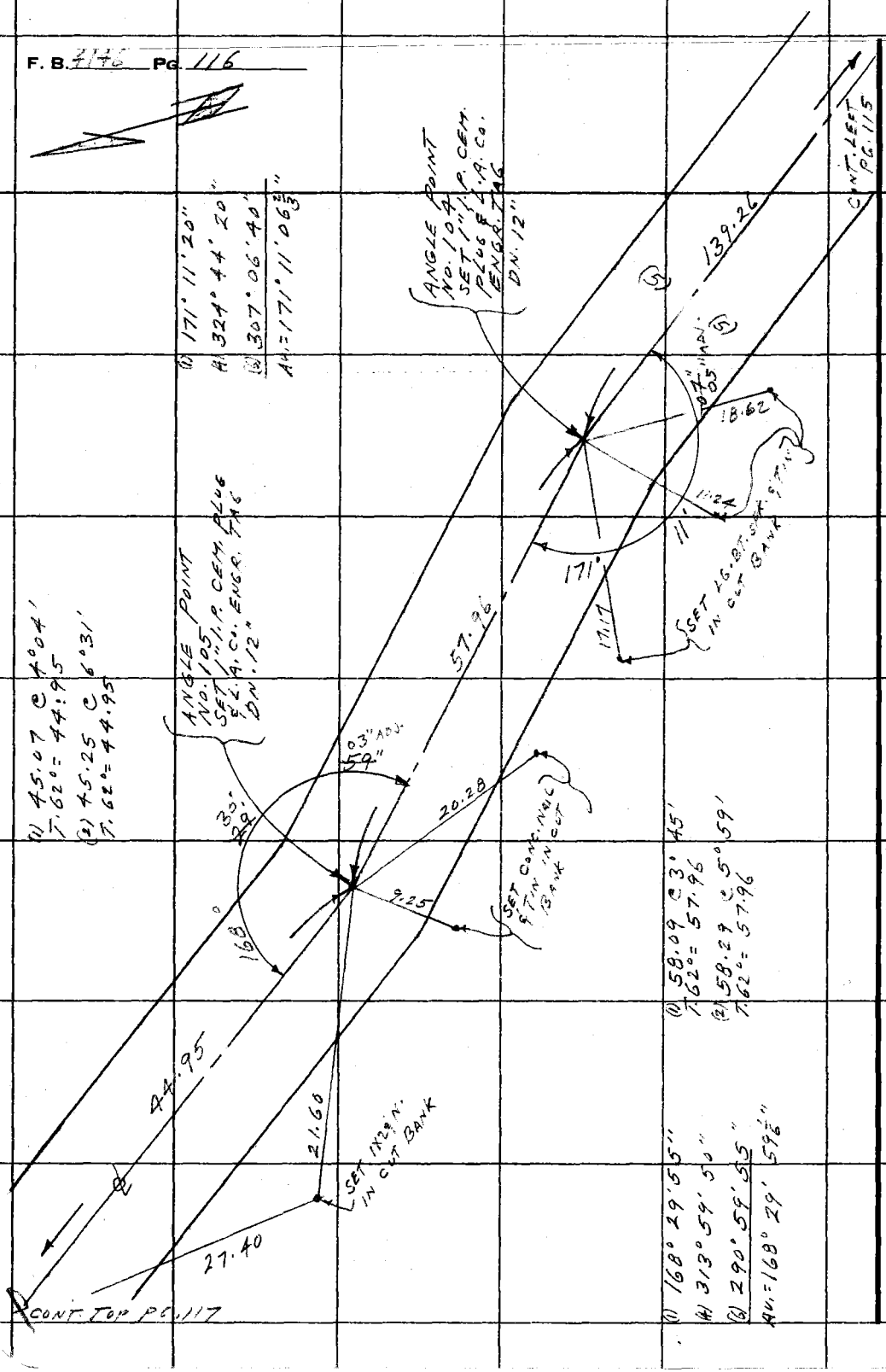
F. B. 4146 Pg. 116



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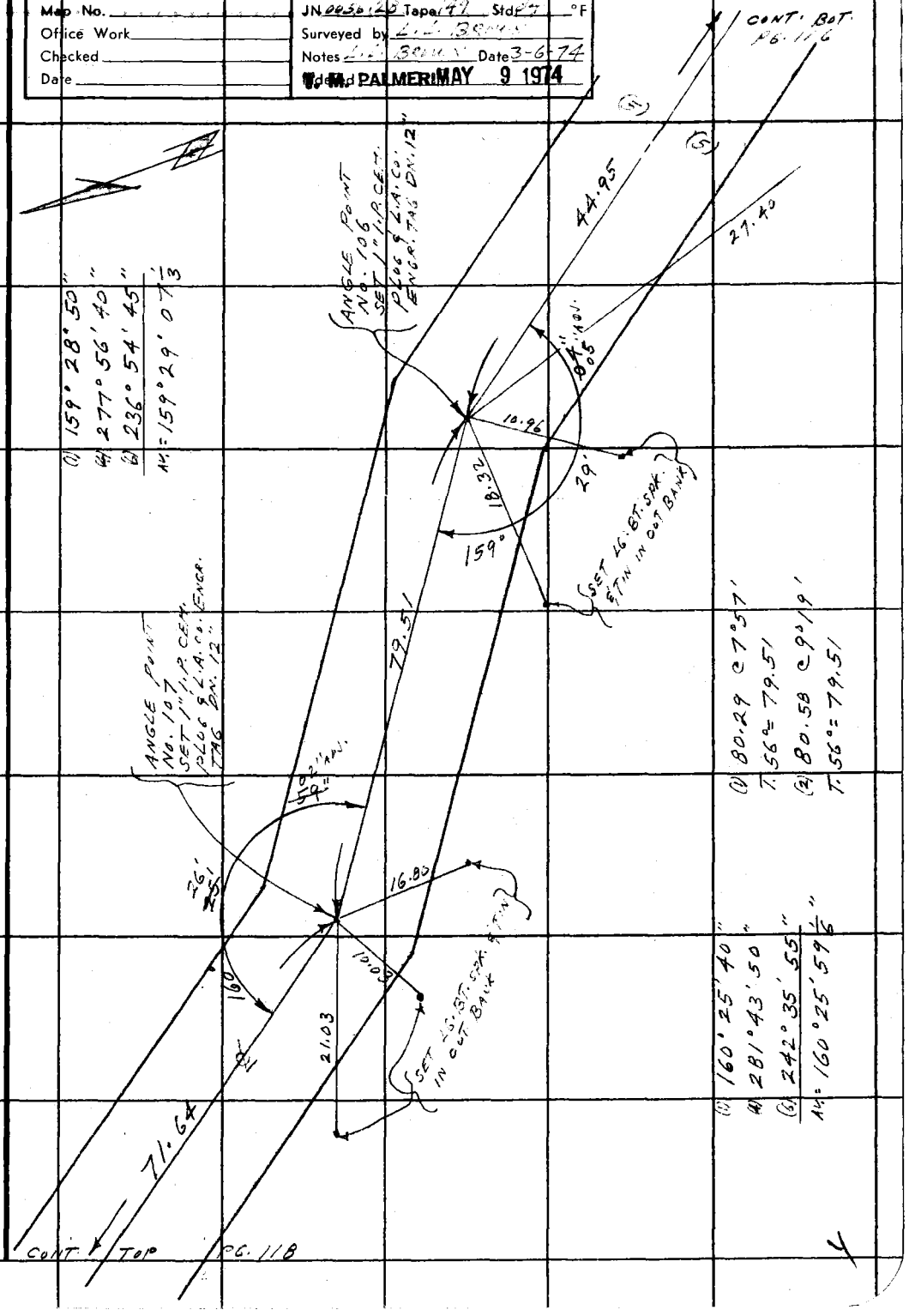
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTOR WAY	F. B. 4146 PG. 117
Map No.	JN 0056.28 Tape 49 Std 87 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 3-6-74	
Date	Indexed W. M. PALMER MAY 9 1974	



(1) 159° 28' 50"
(4) 277° 56' 40"
(5) 236° 54' 45"
AV.= 159° 29' 07 1/3

(1) 80.29 @ 7°57'
T. 56° = 79.51
(2) 80.58 @ 9°19'
T. 56° = 79.51

(1) 160° 25' 40"
(4) 281° 43' 50"
(5) 242° 35' 55"
AV.= 160° 25' 59 1/6"

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

Do not extend this side of this line.

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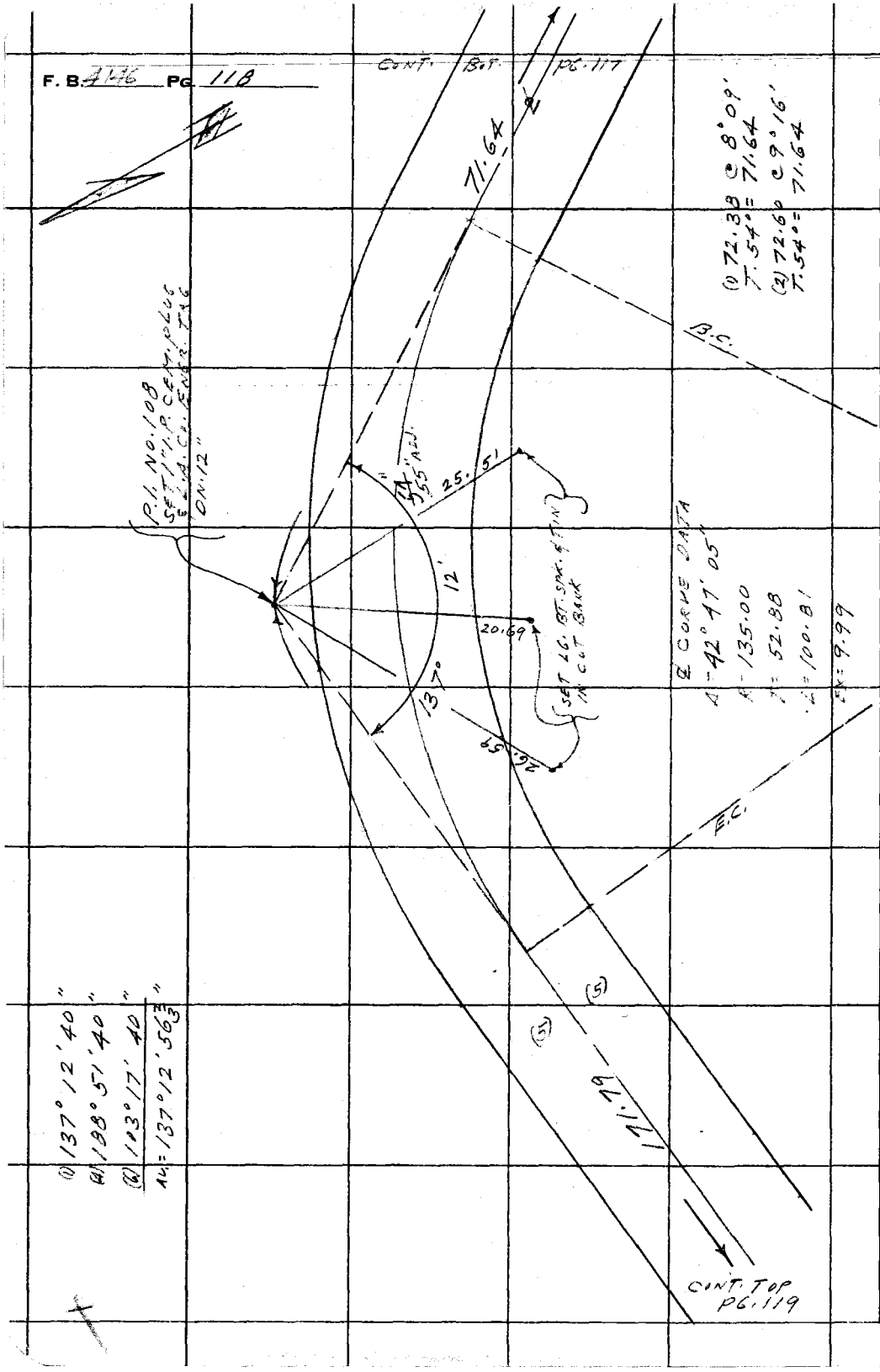
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

F. B. 4146 PG. 118



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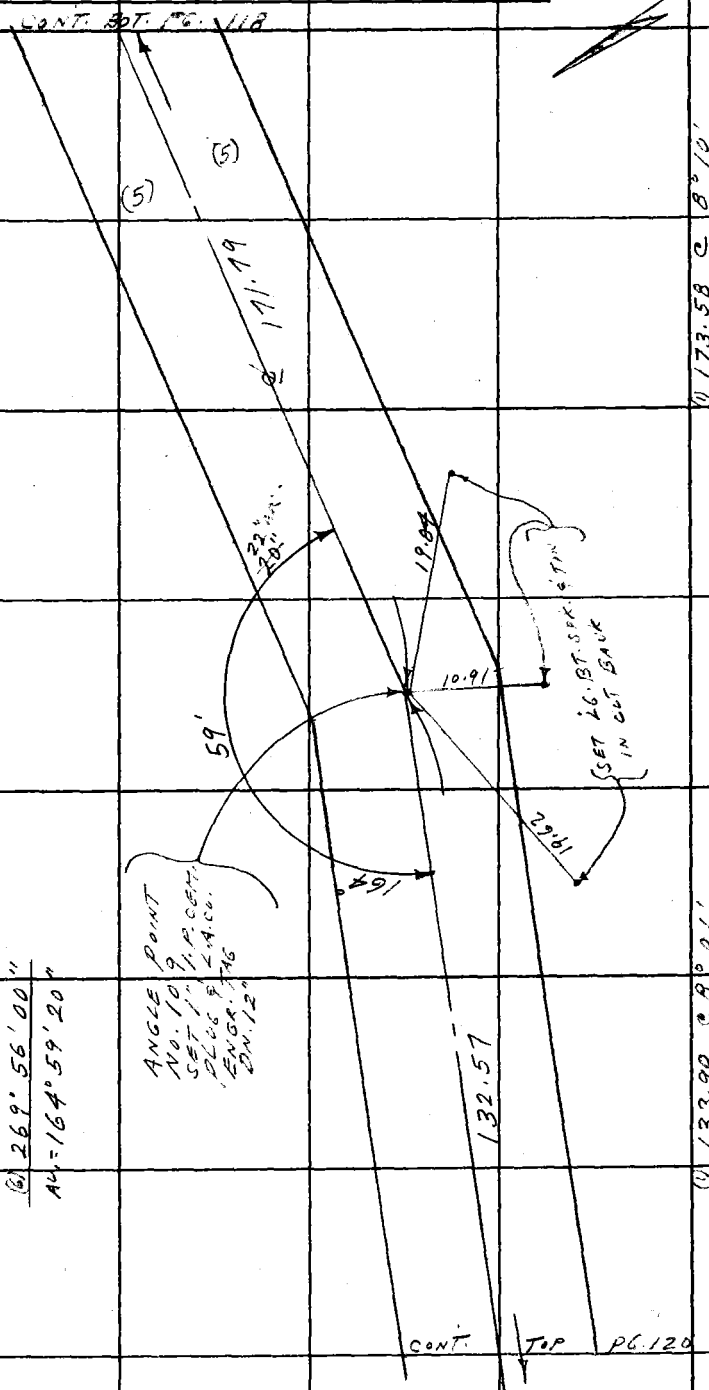
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VANTASSEL MOTORWAY	F. B. 4146 PG. 119
Map No.	JN 0056-68 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 3-6-74	
Date	Filed M. PALMERI MAY 9 1974	



(1) 164° 59' 20"
(4) 299° 57' 05"
(6) 269° 56' 00"
AV. = 164° 59' 20"

(1) 133.90 @ 8° 01'
T. 58° = 132.57
(2) 134.19 @ 8° 52'
T. 58° = 132.57

(1) 173.58 @ 8° 10'
T. 56° = 171.79
(2) 173.76 @ 8° 33'
T. 56° = 171.80
AV. = 171.79

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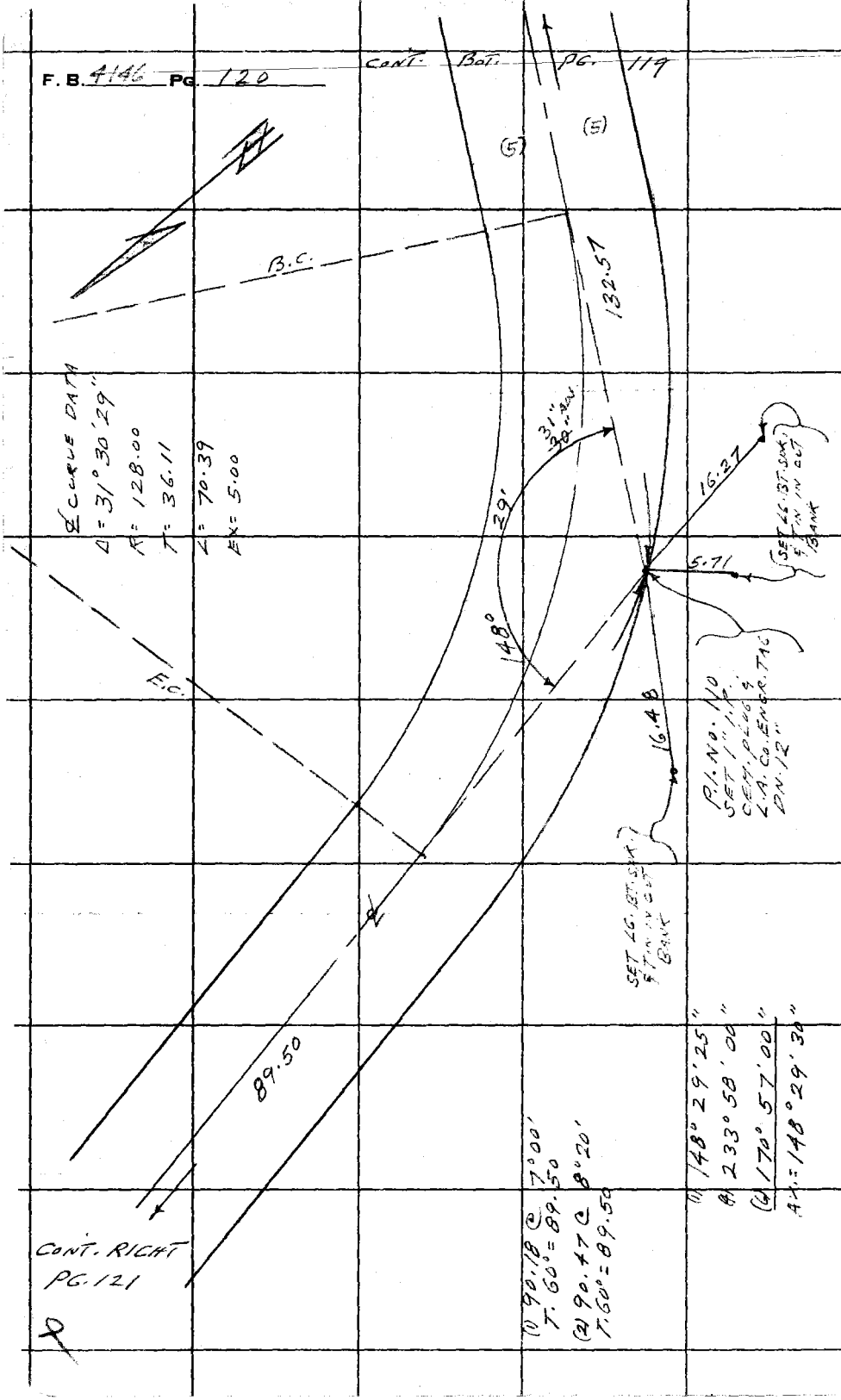
76F309S CE#310 3-68

F. B. 4146 PG. 120



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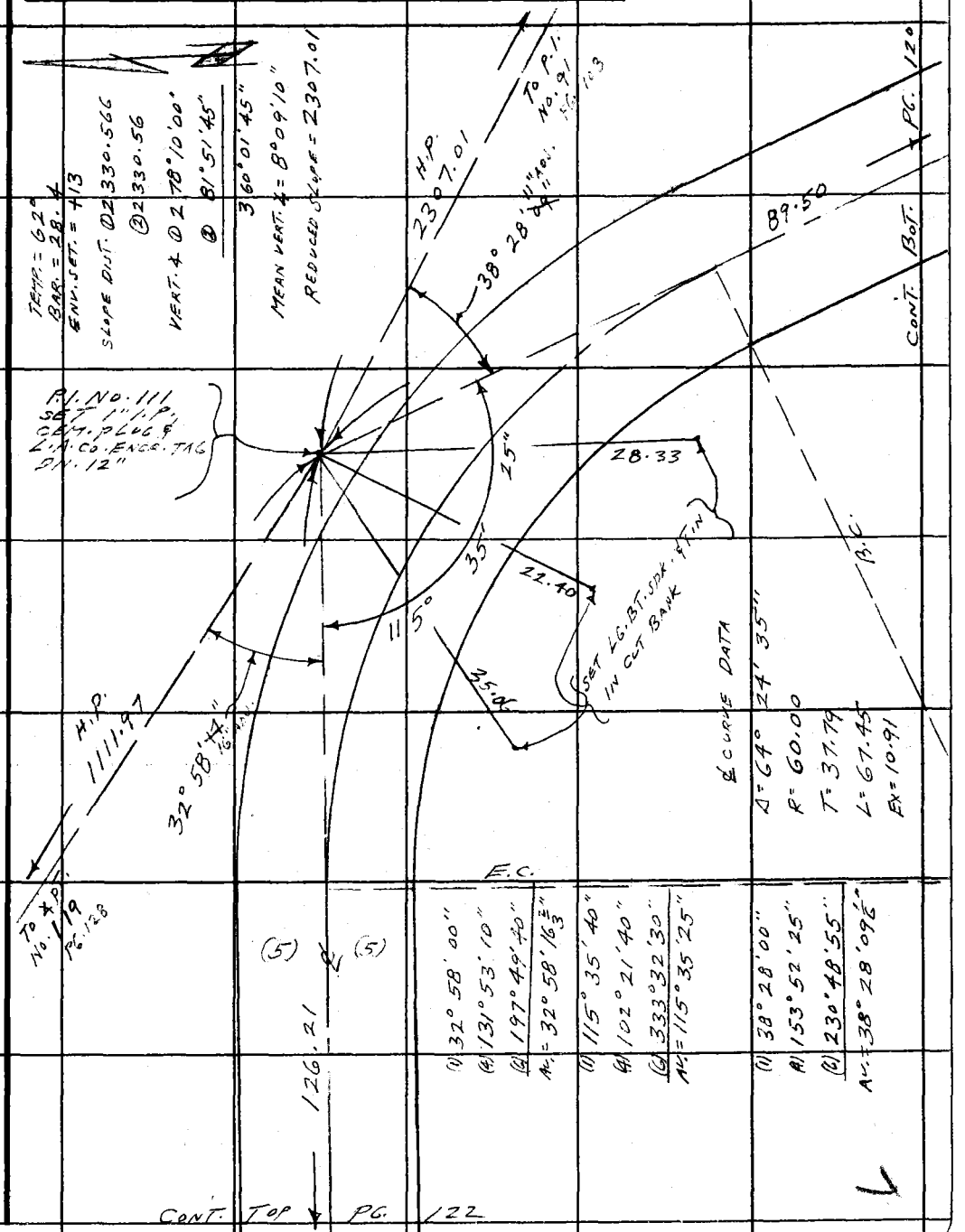
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 121
Map No.	JN 0050-3 Tape 149 Std 34 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 3-13-74	
Date	Indexed M. PALMERI MAY 9 1974	



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76F309S CE#310 3-68

F. B. 4146 PG. 122

CONT. BOT. PG. 121

(5) (5)

126.21

(1) 127.30 @ 7°26'
T. 64° = 126.21
(2) 127.57 @ 8°17'
T. 64° = 126.22
AV. = 126.21

ANGLE POINT
NO. 112
SET 1" I.P. CEM. PLUG
& L.A. CO. ENGR. TAG
DN. 12"

17"

09'

177°

22.75

11.38

20.41

SET 1X2 G'N.
IN CUT BANK

SET L6.
BT. SAK. & TIN
IN CUT BANK

(1) 177°09'05"
(4) 348°37'00"
(6) 342°55'45"
AV. = 177°09'17½"

(1) 107.84 @ 6°41'
T. 70° = 107.10
(2) 107.99 @ 7°18'
T. 70° = 107.10

107.10

CONT. TOP PG. 123

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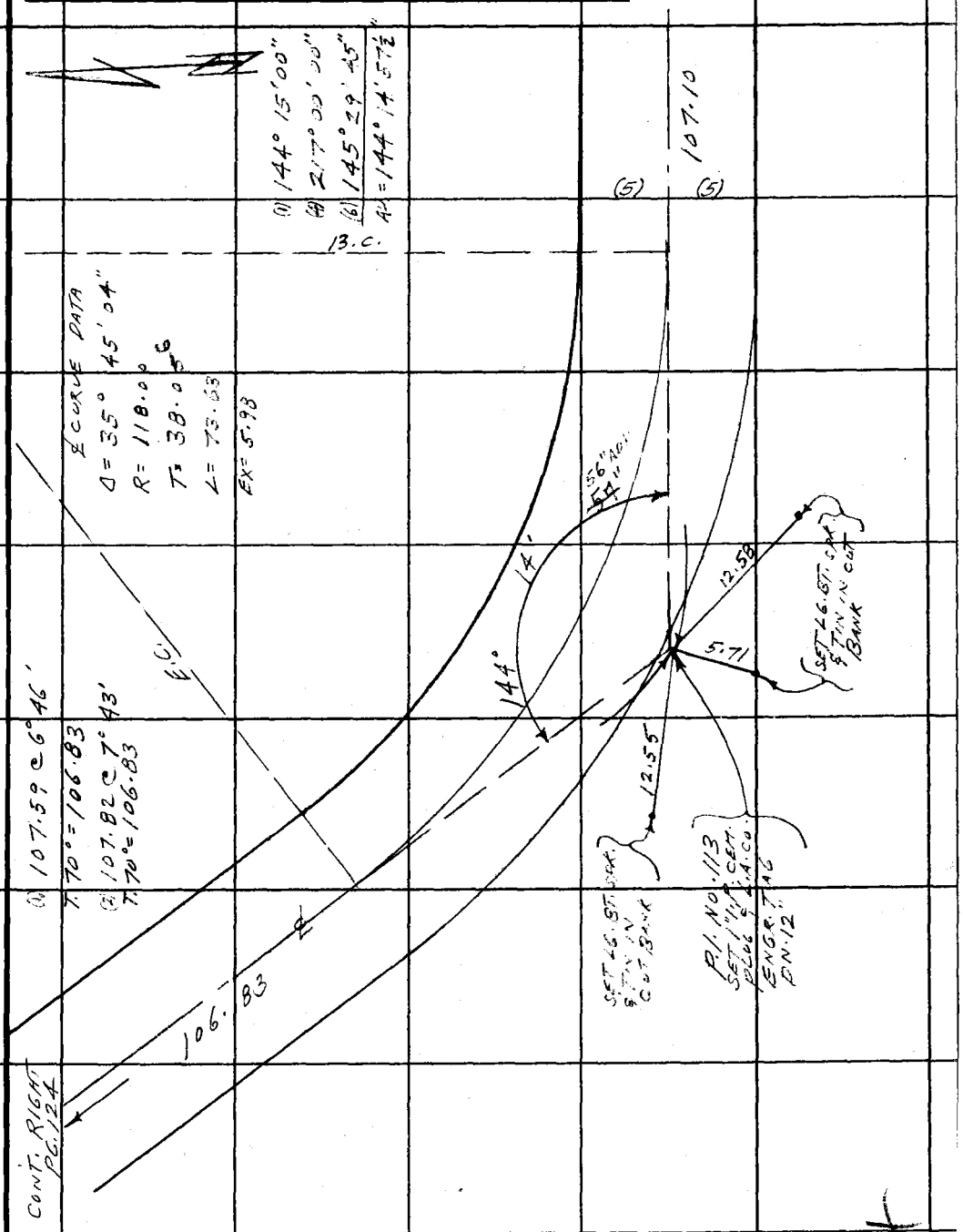
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 Pg. 123
Map No.	JN 0056-23 Tape 149 Std 24 °F	CONT. BOT. PG. 122
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date 3-13-73	
Date	Indexed T. M. PALMERI MAY 9 1974	



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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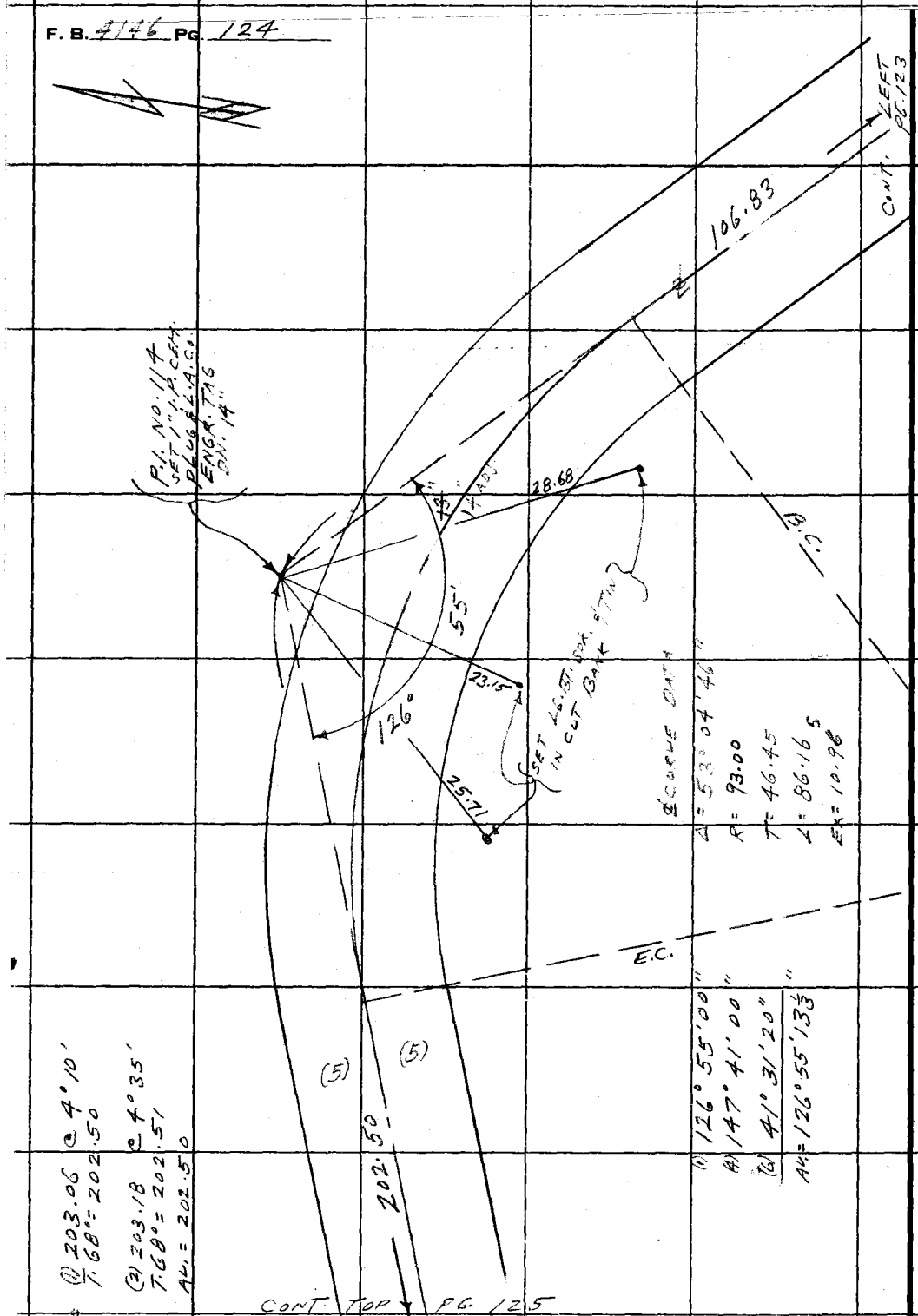
76F309S CE#310 3-68

F. B. 4146 PG. 124



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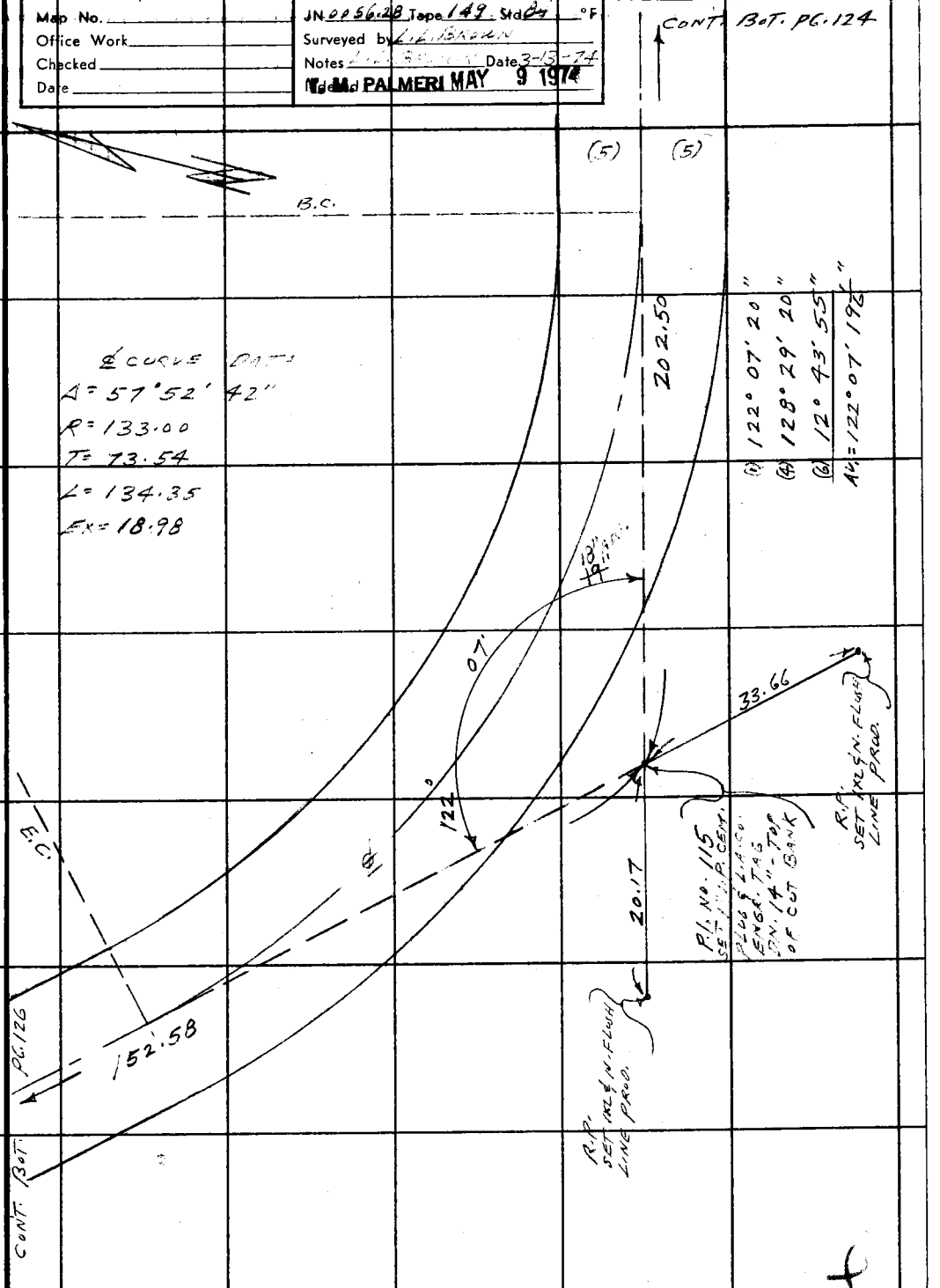
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 3-13-74
Date	Indexed M. PALMERI MAY 9 1974

F. B. 4146 PG. 125



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

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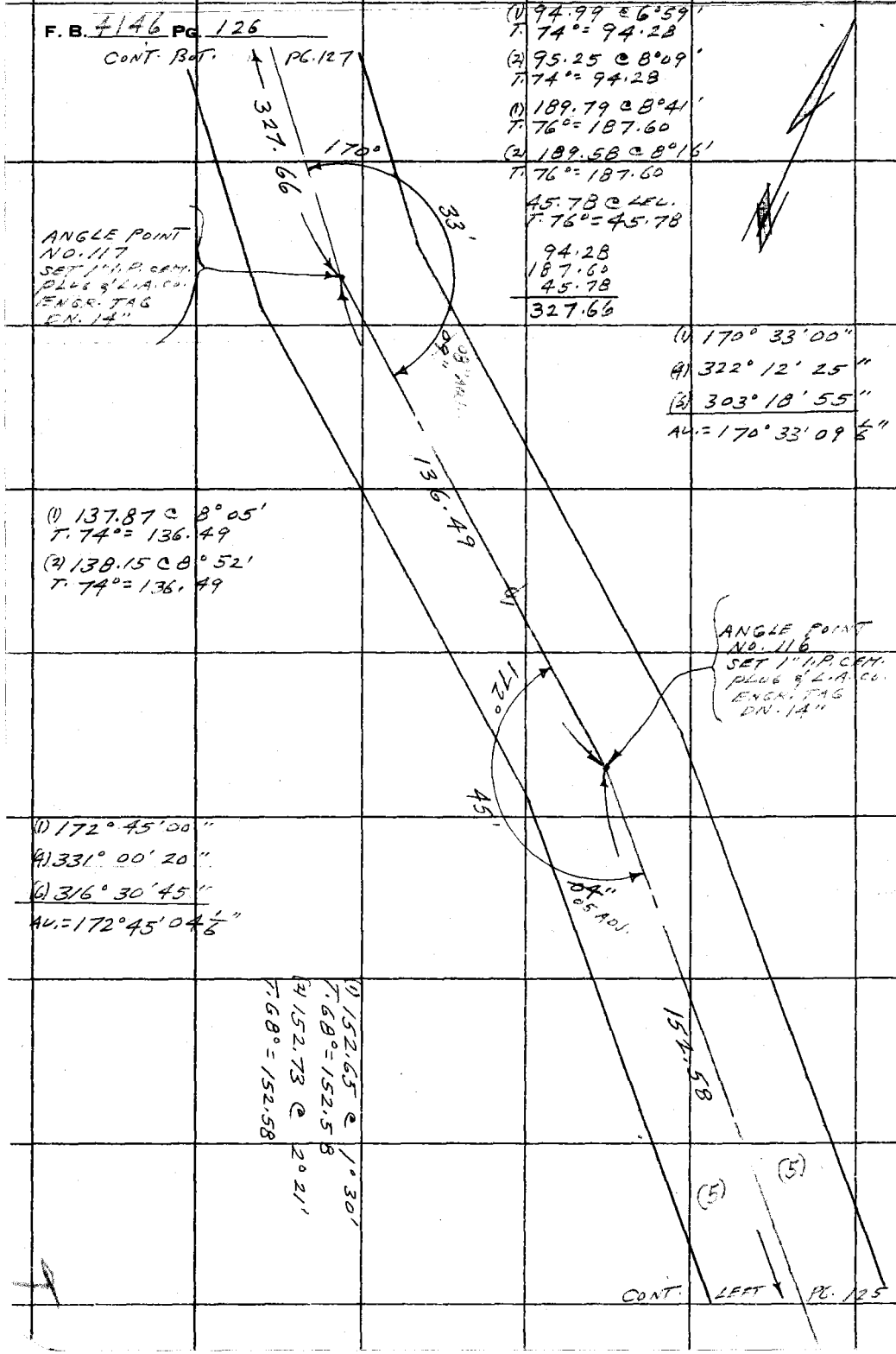
76F309S CE#310 3-68

F. B. 4146 Pg. 126



(1) 94.99 @ 6°59'
T. 74° = 94.28
(2) 95.25 @ 8°09'
T. 74° = 94.28
(1) 189.79 @ 8°41'
T. 76° = 187.60
(2) 189.58 @ 8°16'
T. 76° = 187.60
45.78 @ 4 PT.
T. 76° = 45.78

94.28
187.60
45.78
327.66

(1) 170° 33' 00"
(4) 322° 12' 25"
(2) 303° 18' 55"
AV. = 170° 33' 09 1/3"

(1) 137.87 @ 8°05'
T. 74° = 136.49
(2) 138.15 @ 8°52'
T. 74° = 136.49

(1) 172° 45' 00"
(4) 331° 00' 20"
(6) 316° 30' 45"
AV. = 172° 45' 04 1/3"

(1) 152.65 @ 1°30'
T. 68° = 152.58
(4) 152.73 @ 2°21'
T. 68° = 152.58

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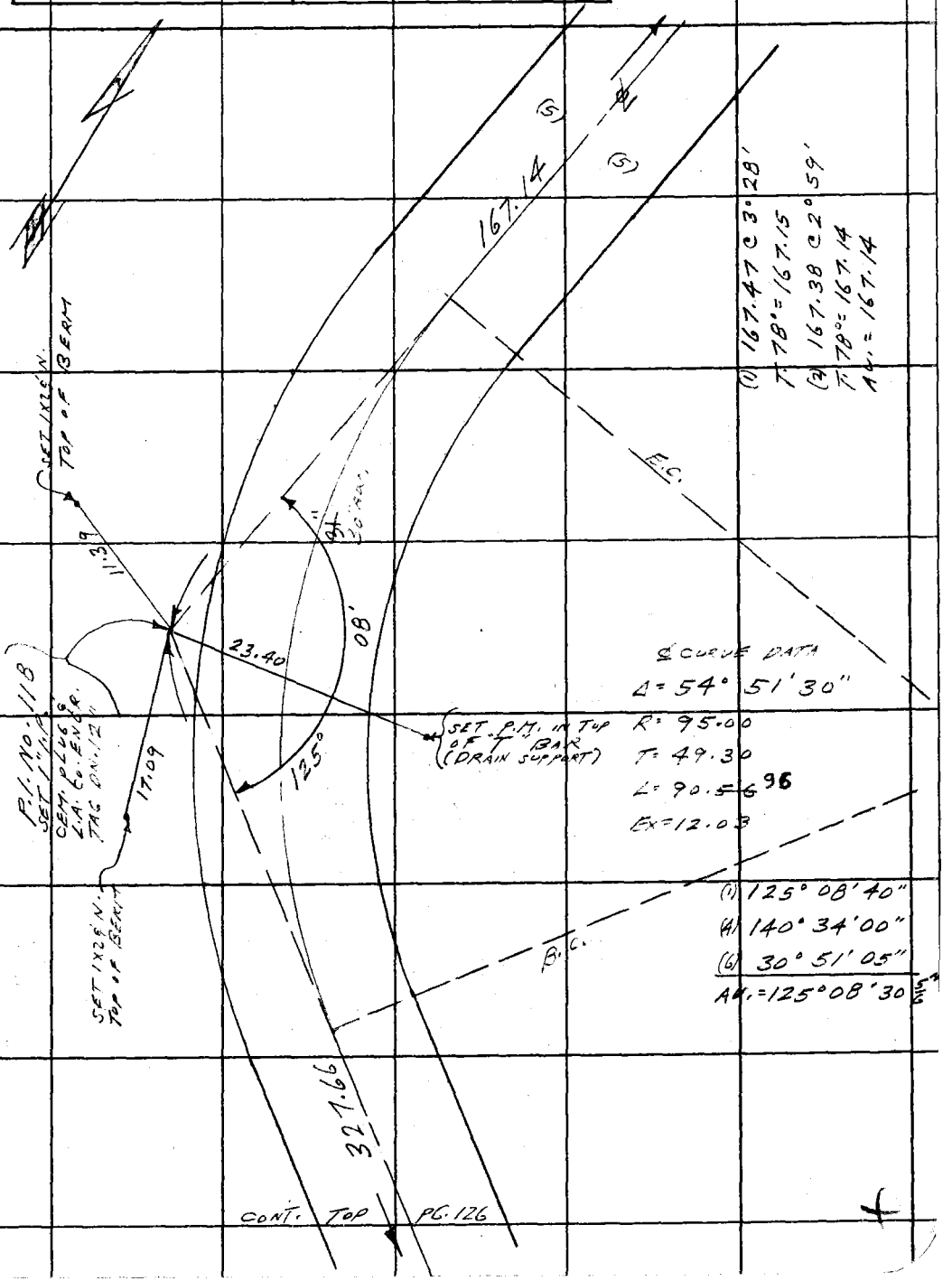
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0956-28 Tape 49 Std 27 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 3-13-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 127

CONT. BOT. PG. 128



CONT. TOP PG. 126

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

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76F309S CE#310 3-68

F. B. 4146 Pg. 128

CONT. BOT. PG. 129

TO P.I. No. 132 PG. 128

(5) (5)

TEMP. 56°
BAR. 28.0
ENV. SETTING = +21
SLOPE DIST. ① 1259.125
② 1259.126
VERT. ∠ ① 81-05-05
② 278-55-15
360-00-20

AV. VERT. ∠ = 8°55'05"
REDUCED SLOPE = 1243.90

M.P. 1243.90

CLOSING LINE

217.14

19°24'03" CLOSING ANGLE

(1) 167° 50' 45"
(4) 311° 23' 45"
(6) 287° 05' 55"
AV = 167° 50' 59½"

SET 1X2" N. TOP OF BERM

20.67

59°

50'

SET 1X2" N. TOP OF BERM

19.55

ANGLE POINT No. 119
SET 1" I.P. C&M. PLUG & L.A.CO. ENGR. TAG DN. 12"

TEMP. = 70°
BAR. = 27.8
ENV. SET. = +25
SLOPE ① 1122.876
② 1122.889
VERT. ∠ ① 97°59'55"
② 262°00'40"
360°00'35"
MEAN VERT. ∠ = 97°59'38"
REDUCED SLOPE = 1111.97

12.51

SET P.K. IN TOP OF T" BAR DRAIN SUPPLAT

161°

67° 28' 56" CLOSING ANGLE

(1) 19°23'40"
(4) 77°36'00"
(6) 116°24'20"
AV. = 19°24'03⅓"

167.14

CLOSING LINE
1111.97
M.P.

(1) 67°28'40"
(4) 269°55'40"
(6) 44°53'35"
AV. = 67°28'55⅔"

TO P.I. No. 111 PG. 129

CONT. TOP PG. 127

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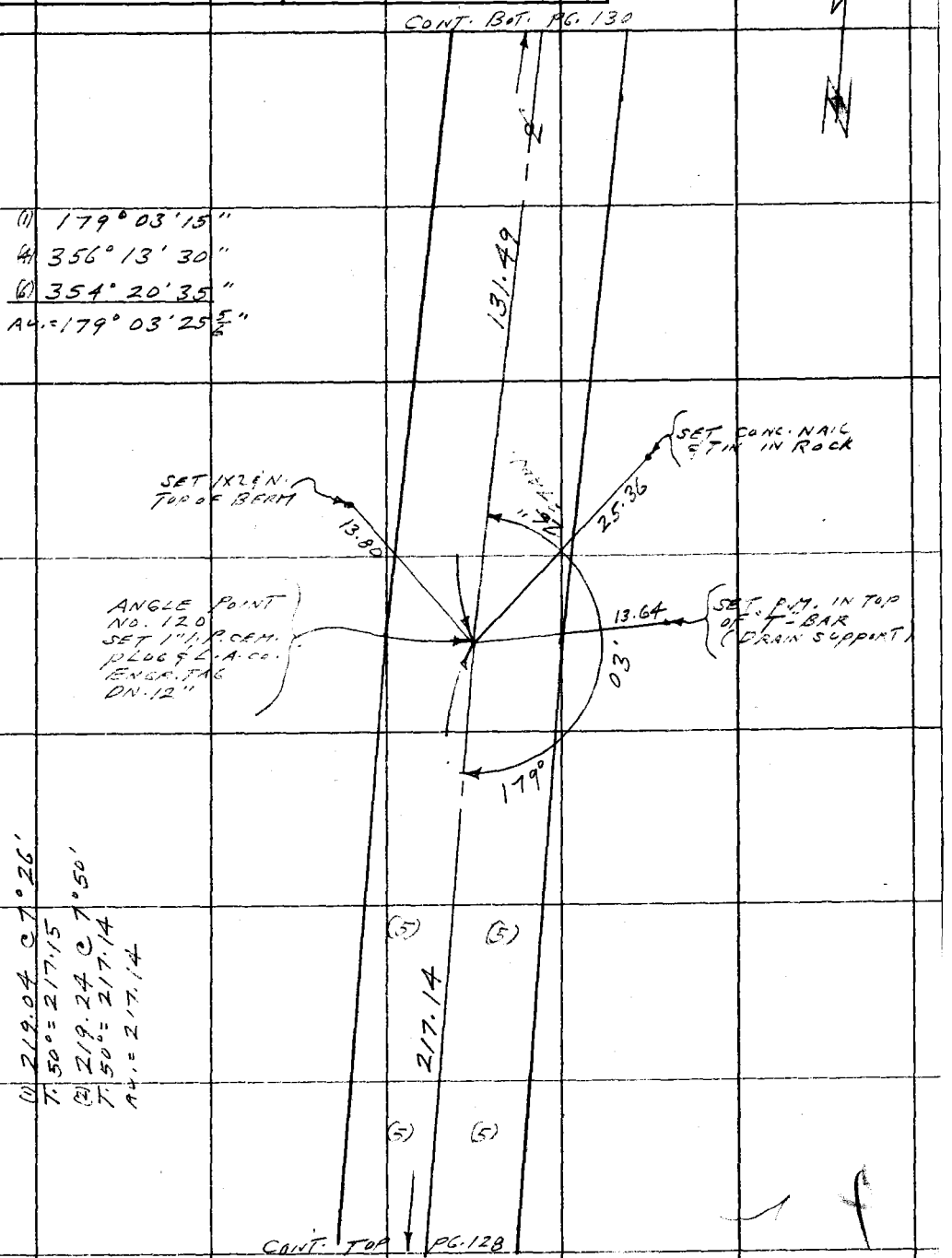
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL (TO [illegible])
Map No.	JN [illegible] Tape [illegible] Std [illegible] °F
Office Work	Surveyed by L. L. [illegible]
Checked	Notes [illegible] Date 3-20-74
Date	Indexed T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 129



(1) 179° 03' 15"
(4) 356° 13' 30"
(6) 354° 20' 35"
AV. = 179° 03' 25 5/6"

(1) 219.04 @ 7° 26'
T. 50° = 217.15
(2) 219.24 @ 7° 50'
T. 50° = 217.14
AV. = 217.14

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

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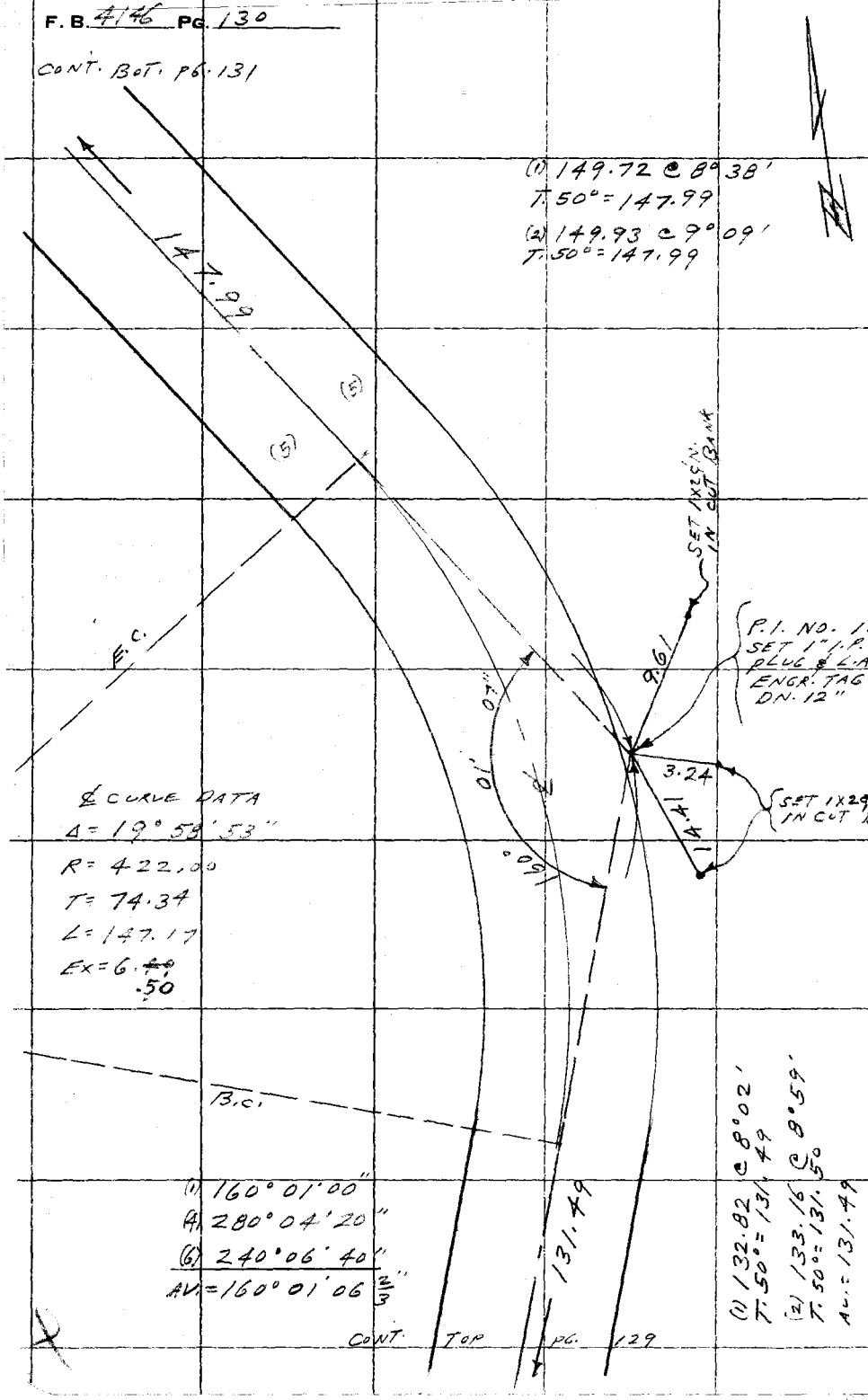
76F309S CE#310 3-68

F. B. 4146 Pg. 130

CONT. BOT. PG. 131



CONT. TOP PG. 129

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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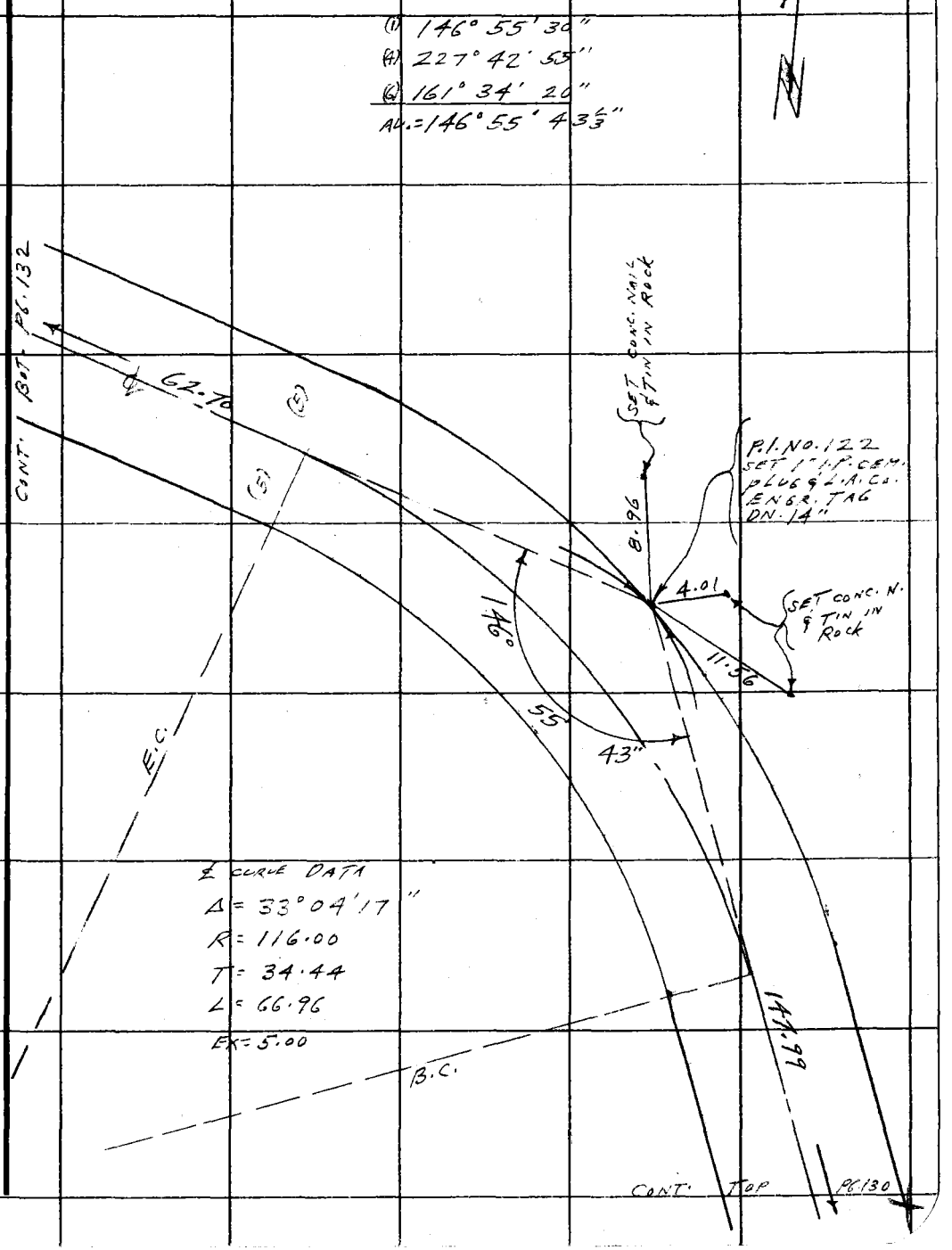
Notes Cd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std. 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes [illegible] Date 3-20-74
Date	Traced by T. M. PALMERI MAY 9 1974

F. B. 4146 PG. 131

(1) 146° 55' 30"
(4) 227° 42' 55"
(6) 161° 34' 20"
AV. = 146° 55' 43⅓"



℄ CURVE DATA
Δ = 33° 04' 17"
R = 116.00
T = 34.44
L = 66.96
EX = 5.00

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

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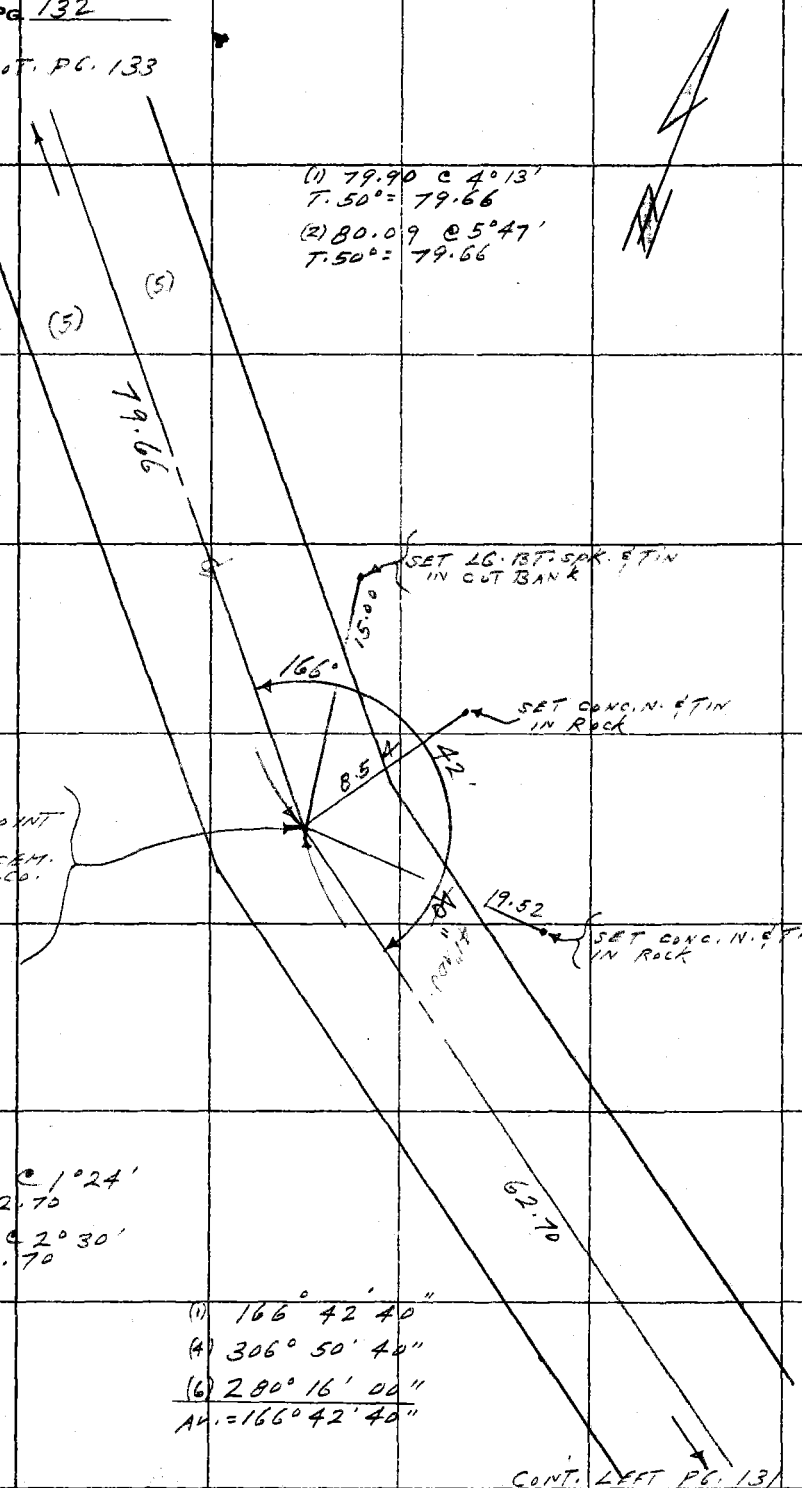
76F309S CE#310 3-68

F. B. 4146 PG. 132

CONT. BOT. PG. 133



CONT. LEFT PG. 131

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Notes Chkd by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VANTASSEL MOTORWAY
JN 0056.28 Tape 149 Std. 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 3-20-74
Indexed T.M. PALMER MAY 9 1974

F. B. 4146 Pg. 133

CONT. BOT. 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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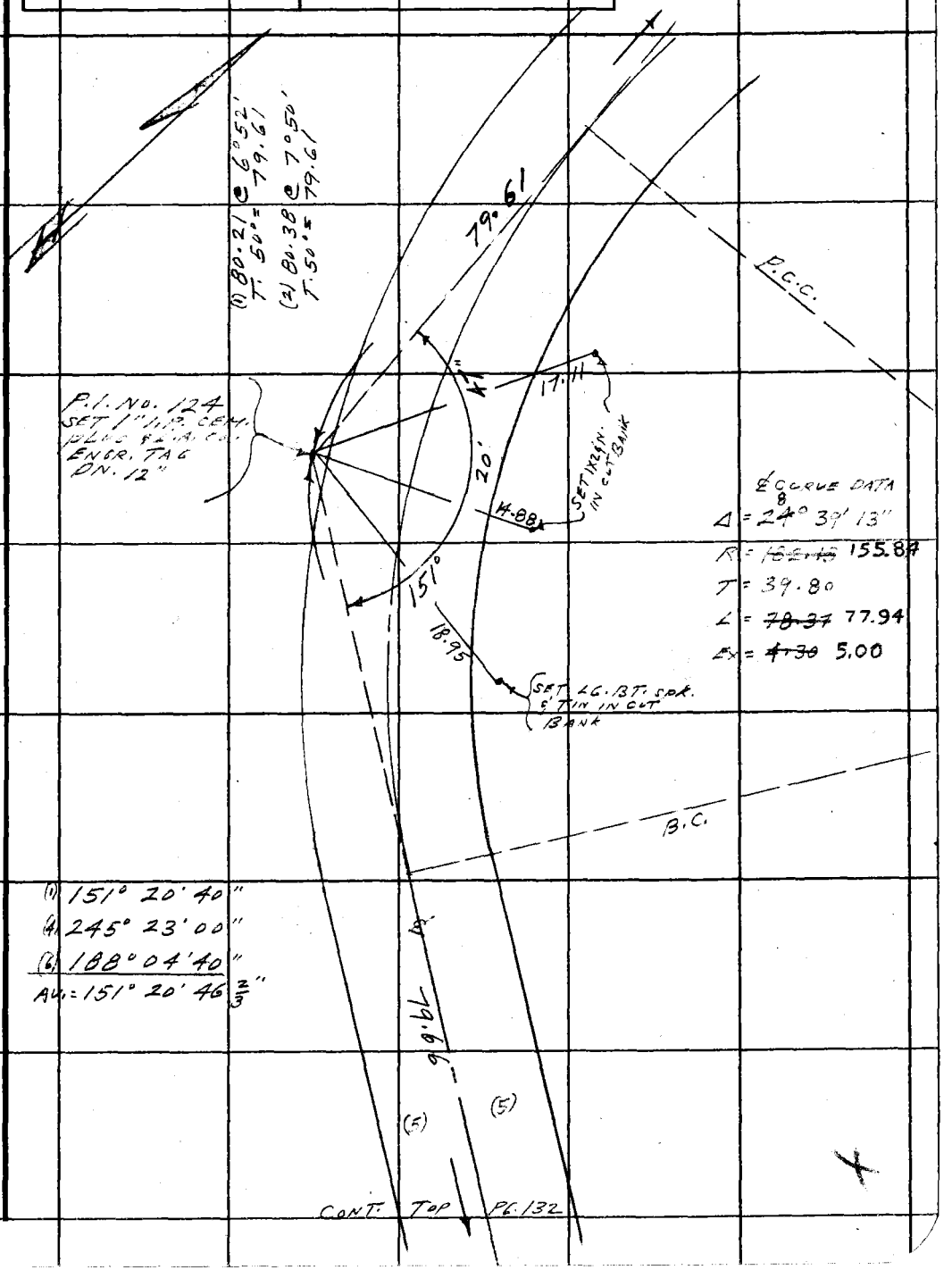
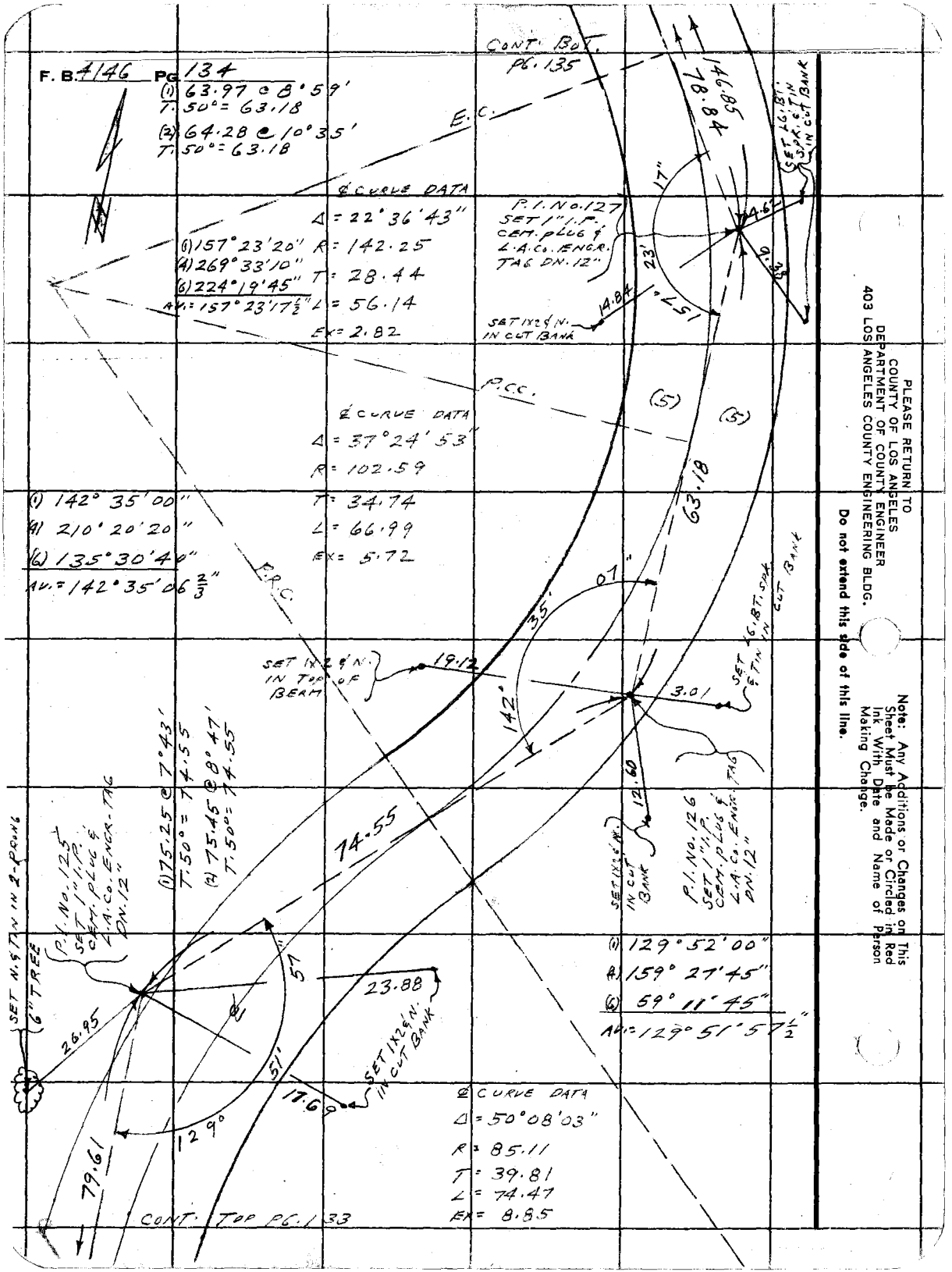


76F309S CE#310 3-68


F. B. 4146 PG. 134
(3) 63.97 @ 8° 59'
T. 50° = 63.18
(2) 64.28 @ 10° 35'
T. 50° = 63.18
℄ CURVE DATA
Δ = 22° 36' 43"
R = 142.25
T = 28.44
L = 56.14
EX = 2.82
(1) 157° 23' 20"
(4) 269° 33' 10"
(6) 224° 19' 45"
AV. = 157° 23' 17½"
P.I. No. 127
SET 1" I.P.
CEM. PLUG &
L.A.Co. ENGR.
TAG ON 12"
SET 1X2 & N.
IN CUT BANK
SET 1X2 & N.
3 PK. & T. N.
IN CUT BANK
CONT. BOT.
PG. 135
E.C.
P.C.C.
℄ CURVE DATA
Δ = 37° 24' 53"
R = 102.59
T = 34.74
L = 66.99
EX = 5.72
(1) 142° 35' 00"
(4) 210° 20' 20"
(6) 135° 30' 40"
AV. = 142° 35' 06⅔"
E.P.C.
SET 1X2 & N.
IN TOP OF
BEAM
SET 1X6 BT. SPK.
& TIN
IN CUT BANK
P.I. No. 126
SET 1" I.P.
CEM. PLUG &
L.A.Co. ENGR.
TAG ON 12"
SET 1X2 & N.
IN CUT
BANK
(1) 129° 52' 00"
(4) 159° 27' 45"
(6) 59° 11' 45"
AV. = 129° 51' 57½"
(1) 75.25 @ 7° 43'
T. 50° = 14.55
(4) 75.45 @ 8° 47'
T. 50° = 14.55
P.I. No. 125
SET 1" I.P.
CEM. PLUG &
L.A.Co. ENGR. TAG
ON 12"
SET N. & T. IN 4 PKS.
6" TREE
℄ CURVE DATA
Δ = 50° 08' 03"
R = 85.11
T = 39.81
L = 74.47
EX = 8.55
CONT. TOP PG. 133
146.85
78.84
63.18
14.55
79.61
26.95
23.88
19.12
14.84
17.69
12.60
3.01
14.96
17"
23'
51'
142°
129°
Please Return To
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Department of County Engineer
403 Los Angeles County Engineering Bldg.
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Notes Ck'd R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VENTASSEL MOTORWAY
JN 2056.28 Tape 149 Std 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 3-29-74
Indexed L. M. PALMER MAY 9 1974

F. B. 4146 PG. 135

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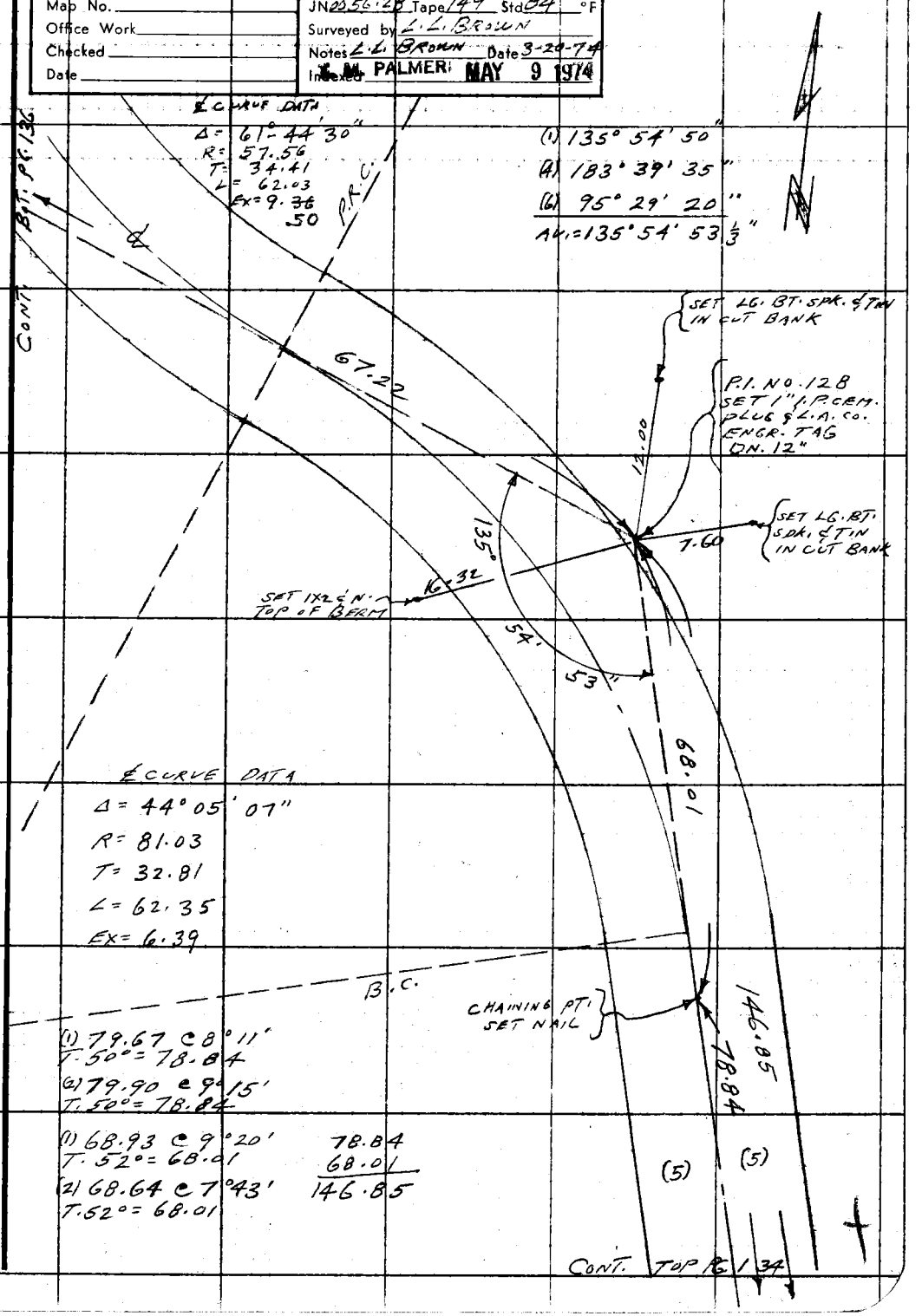
76F309S CE#310 3-69



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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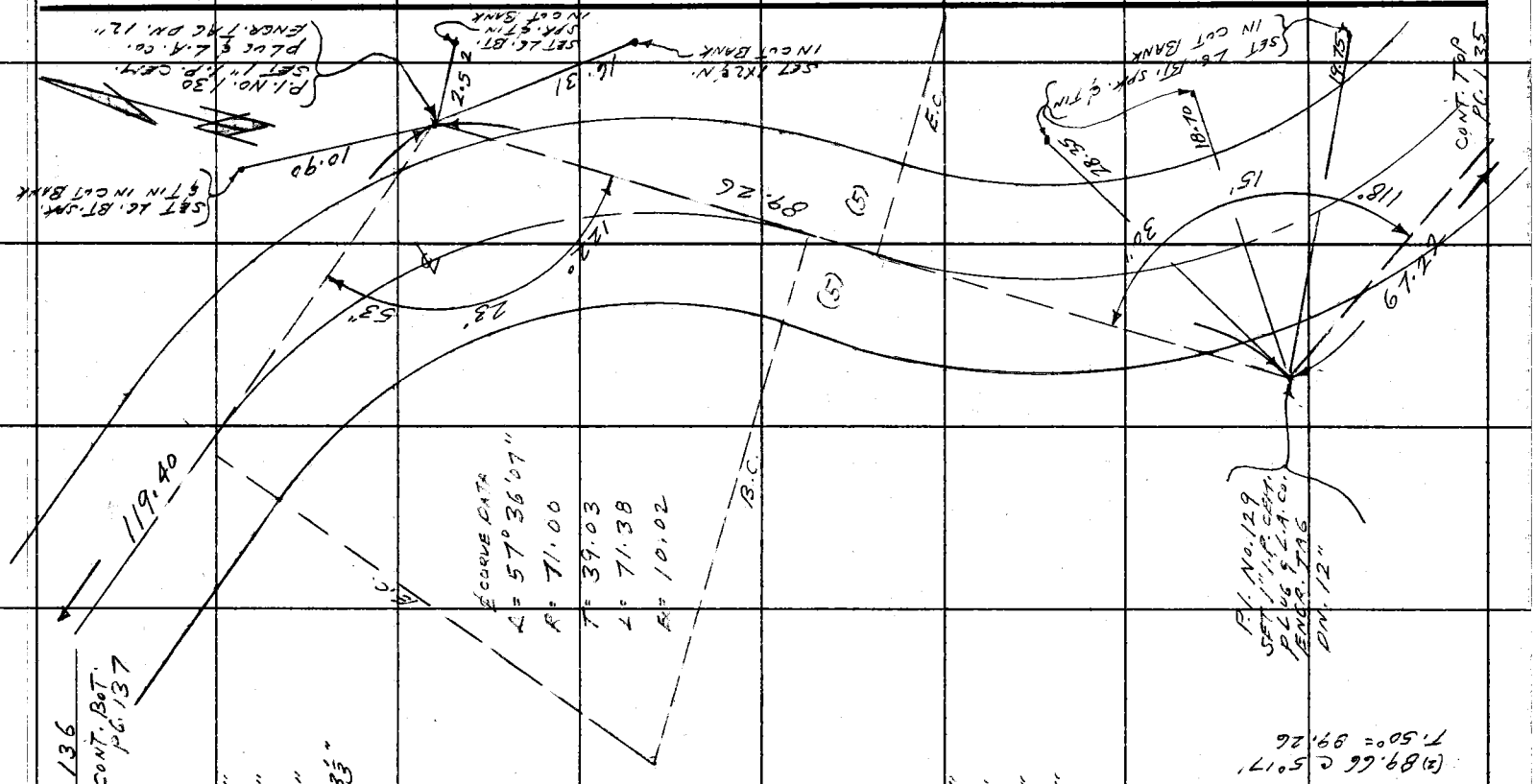


F.B. 4146 PG. 136

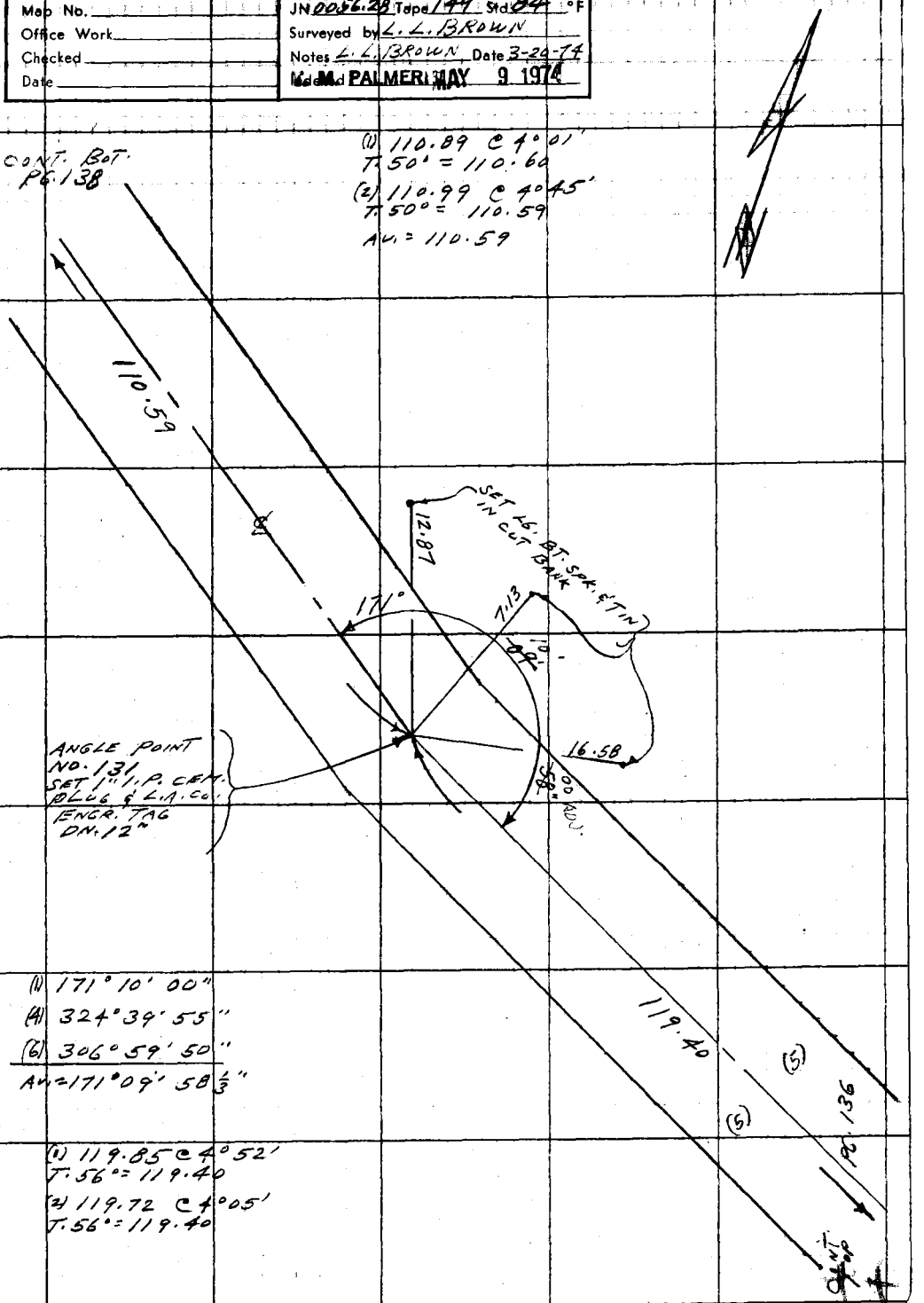
(1) 122° 24' 00"
(4) 129° 35' 55"
(6) 14° 23' 20"
Av. = 122° 23' 53"

(1) 118° 15' 35"
(4) 113° 02' 00"
(6) 348° 33' 00"
Av. = 118° 15' 30"

(1) 67.51 ℄ 5°10'
7.50° = 67.22
(2) 67.64 ℄ 6°14'
7.50° = 67.22
(1) 89.55 ℄ 40.28'
7.50° = 89.26

(2) 89.66 ℄ 50°17'
7.50° = 89.26

Notes Ckd. by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 137
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 3-20-74	
Date	Indexed M. PALMER MAY 9 1974	



(1) 171° 10' 00"
(4) 324° 39' 55"
(6) 306° 59' 50"
AV. = 171° 09' 58 1/3"

(1) 119.85 @ 4°52'
T. 56° = 119.40
(2) 119.72 @ 4°05'
T. 56° = 119.40

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. 4146 PG 138

(1) 31° 46' 20"
(4) 127° 05' 20"
(6) 190° 38' 00"
Av. = 31° 46' 20"

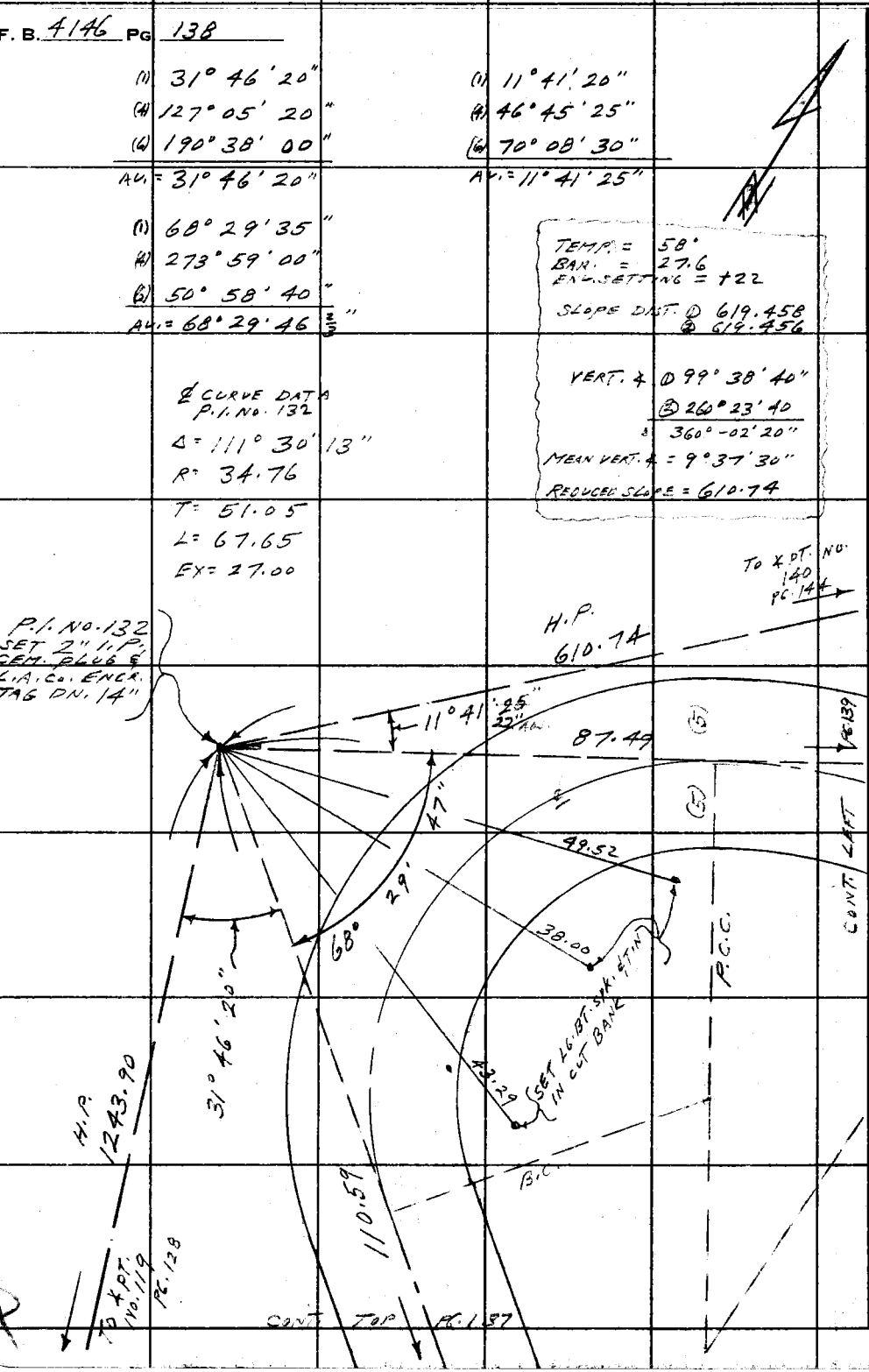
(1) 68° 29' 35"
(4) 273° 59' 00"
(6) 50° 58' 40"
Av. = 68° 29' 46" min

℄ CURVE DATA
P.I. NO. 132
Δ = 111° 30' 13"
R = 34.76
T = 51.05
L = 67.65
EX = 27.00

(1) 11° 41' 20"
(4) 46° 45' 25"
(6) 70° 08' 30"
Av. = 11° 41' 25"

TEMP. = 58°
BAR. = 27.6
ENG. SETTING = +22
SLOPE DIST. ① 619.458
② 619.456

VERT. ∠ ① 99° 38' 40"
② 260° 23' 40
S 360° -02' 20"
MEAN VERT. ∠ = 9° 37' 30"
REDUCED SLOPE = 610.74



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

Do not extend this side of this line.

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

Notes Ck'd by PARTHIOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 3-22-74
Date	Entered T.M. PALMER MAY 9 1974

F. B. 4146 Pg. 139

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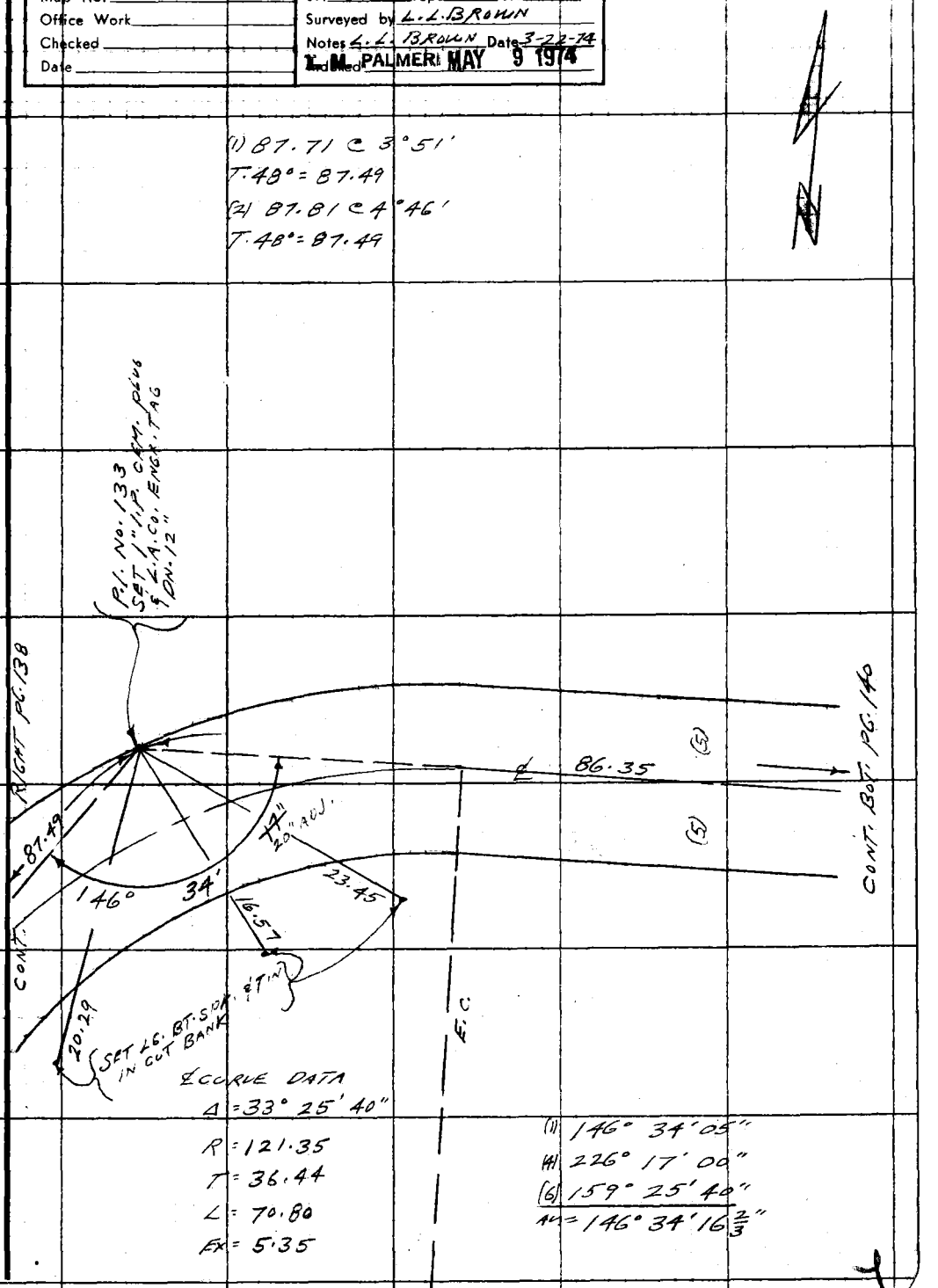
403 LOS ANGELES COUNTY ENGINEERING BLDG.

(1) 87.71 @ 3°51'
T. 48° = 87.49
(2) 87.81 @ 4°46'
T. 48° = 87.49



℄ CURVE DATA
Δ = 33° 25' 40"
R = 121.35
T = 36.44
L = 70.80
Ex = 5.35

(1) 146° 34' 05"
(4) 226° 17' 00"
(6) 159° 25' 40"
Δ = 146° 34' 16 2/3"

76F309S CE#310 3-69

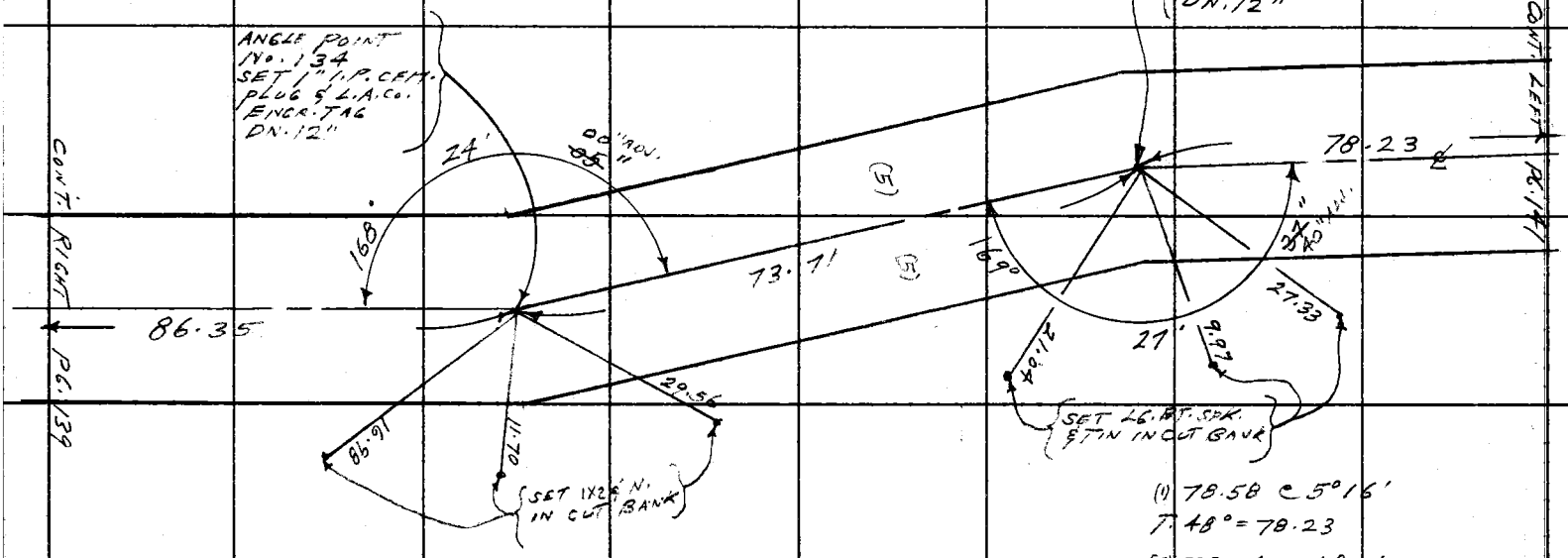
F. B. 4146 PG. 140

(1) 168° 24' 00"
(4) 313° 36' 20"
(6) 290° 24' 30"
Av. = 168° 24' 05"

(1) 74.06 C 5° 25'
T. 46° = 73.71
(2) 74.28 C 6° 59'
T. 46° = 73.71

(1) 169° 27' 30"
(4) 317° 50' 20"
(6) 296° 45' 45"
Av. = 169° 27' 31½"

(1) 86.98 C 6° 48'
T. 48° = 86.35
(2) 87.27 C 8° 13'
T. 48° = 86.35



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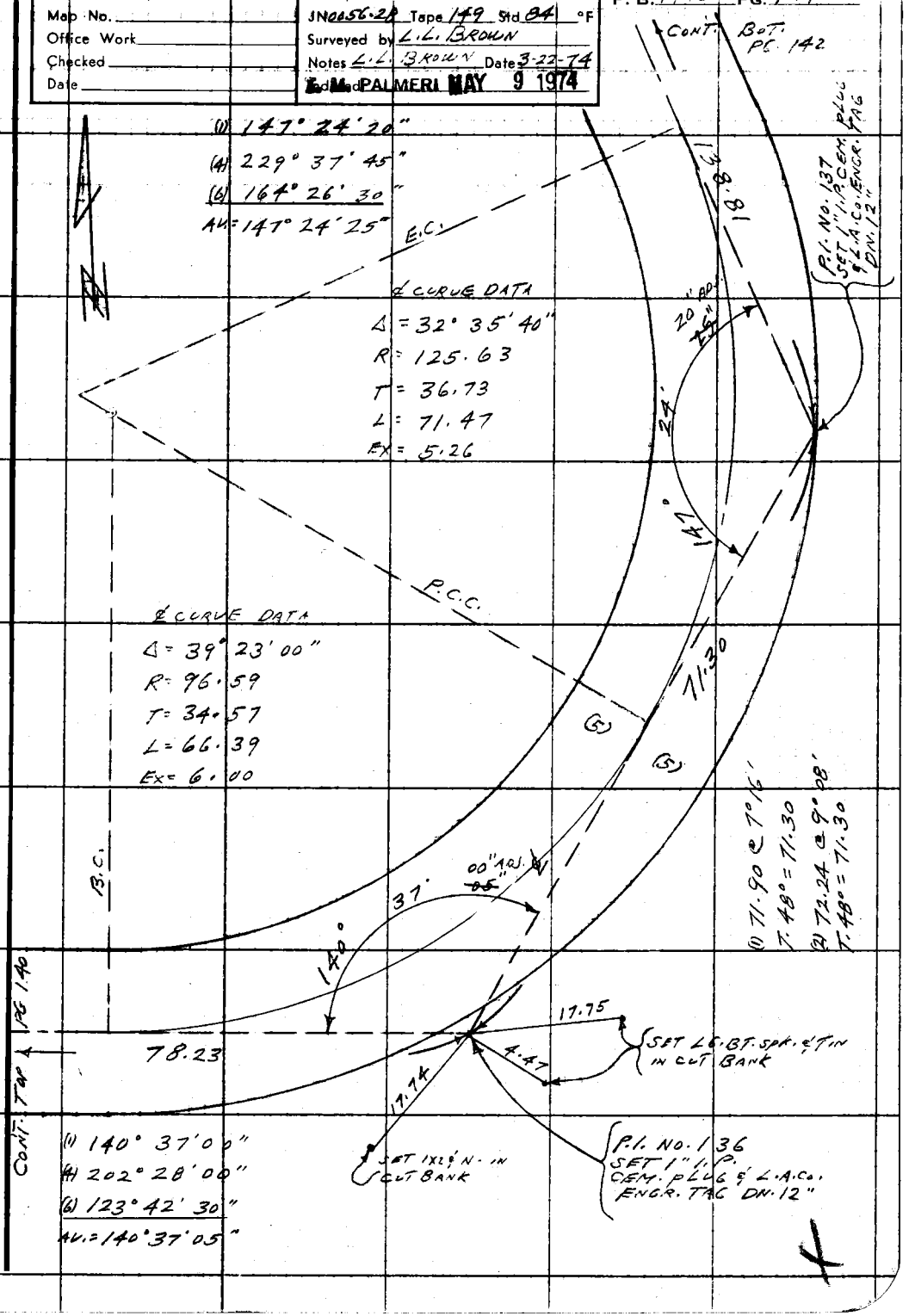
Notes Cmd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 3-22-74
Date	Tod Mod PALMERI MAY 9 1974

F. B. 4146 PG. 141



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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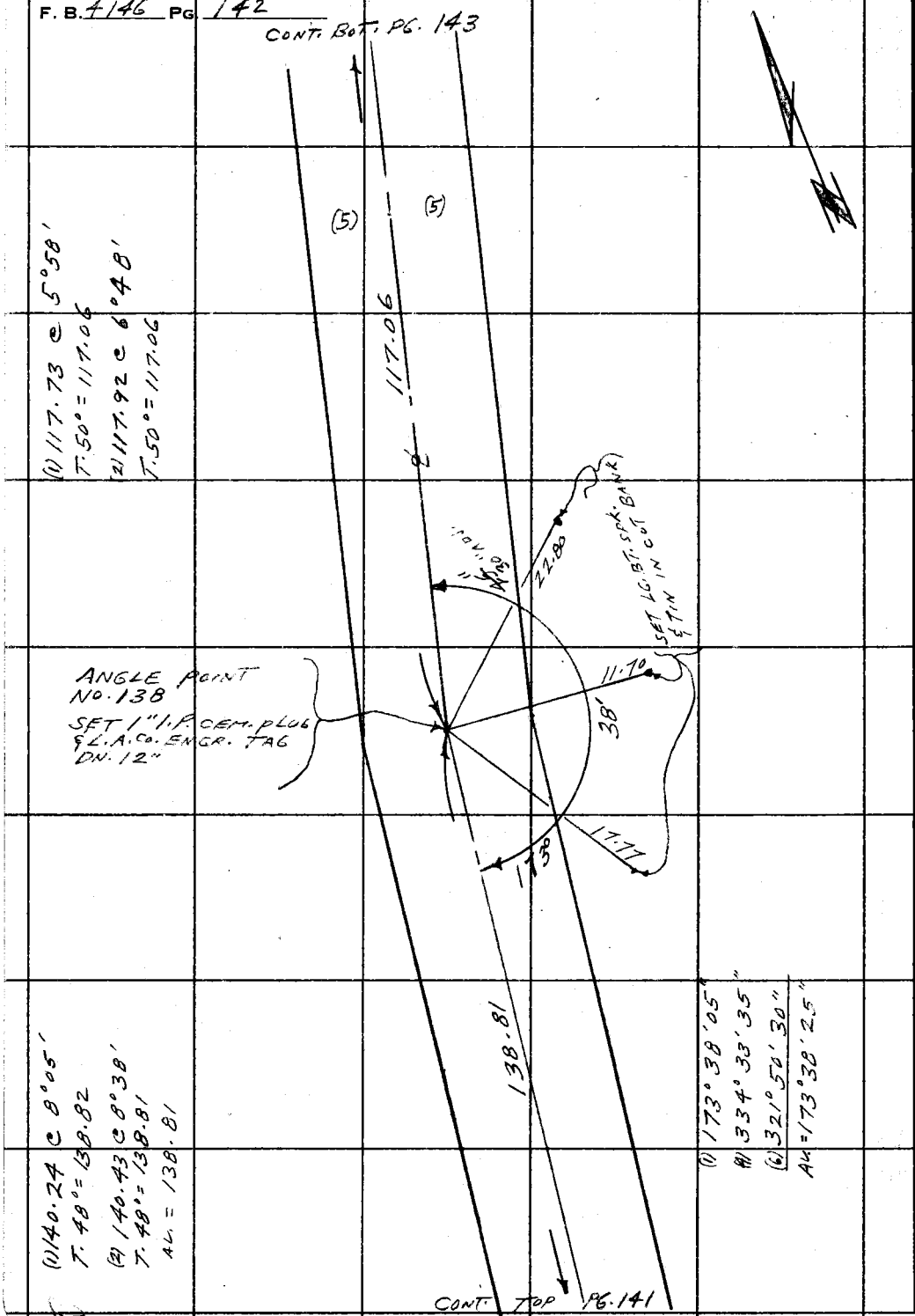
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 4146 PG. 142

CONT. BOT. PG. 143



CONT. TOP PG. 141

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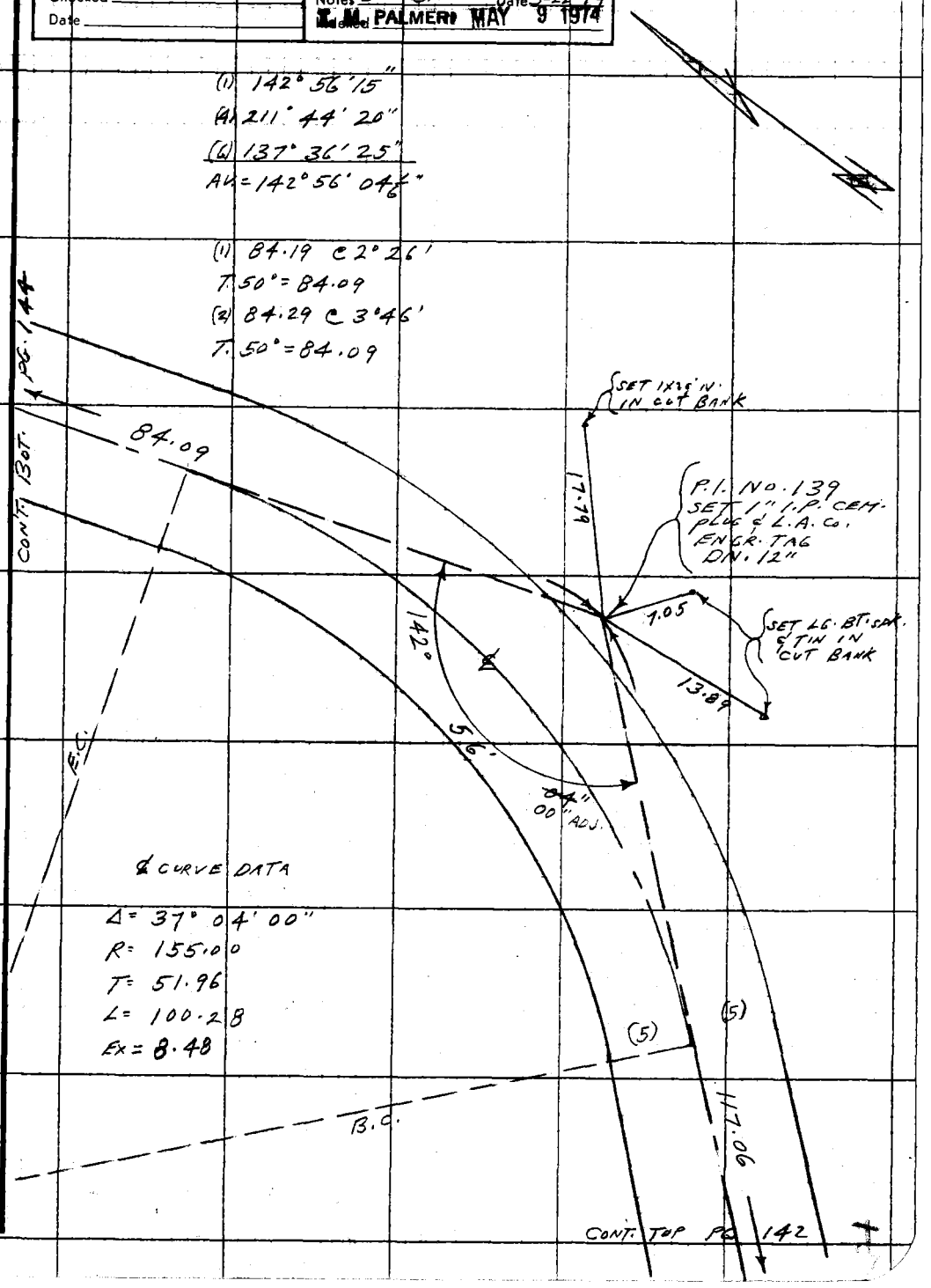
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 3-22-74
Date	Indexed T. M. PALMER MAY 9 1974

F. B. 4146 PG. 143



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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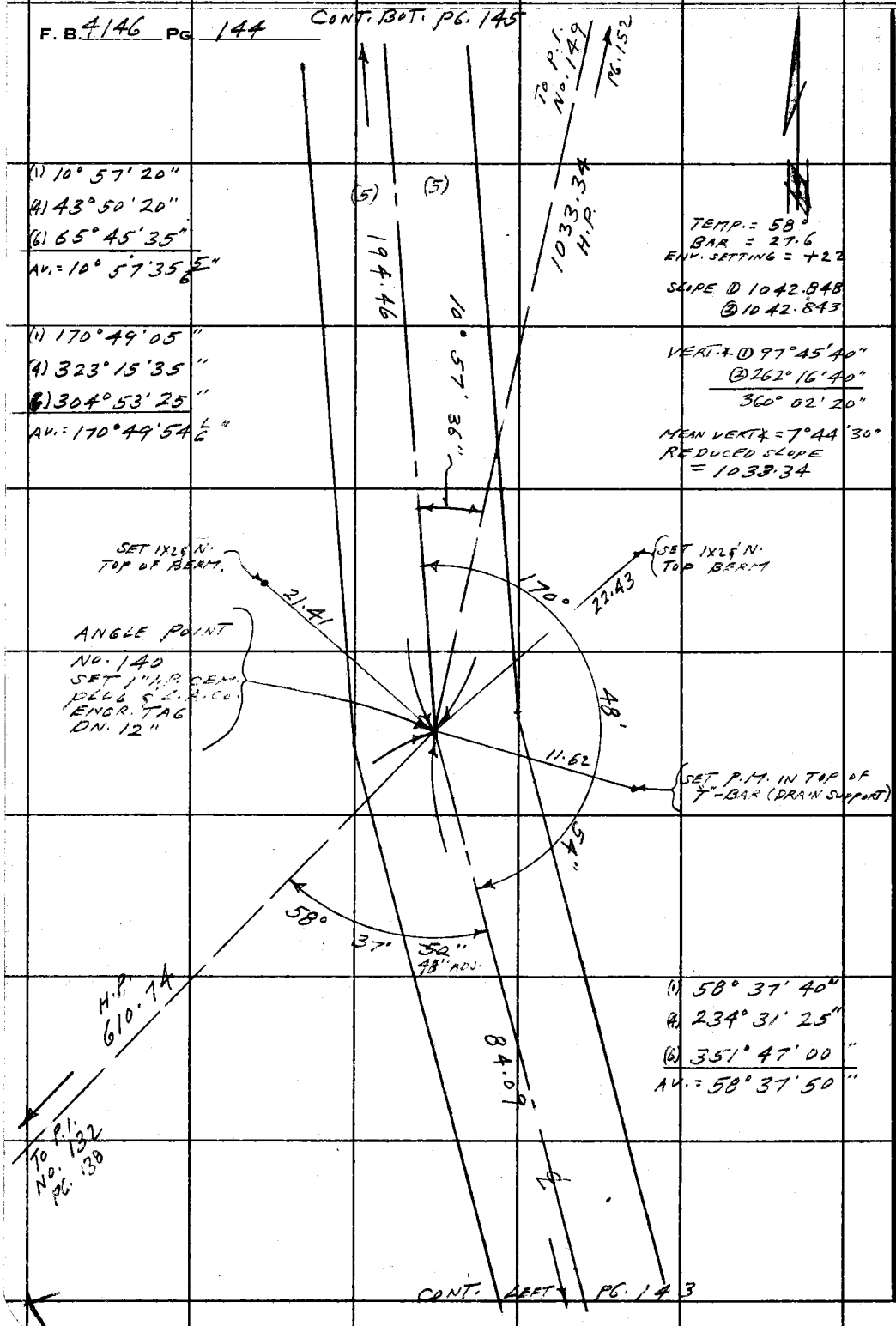
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 4146 PG. 144

CONT. BOT. PG. 145



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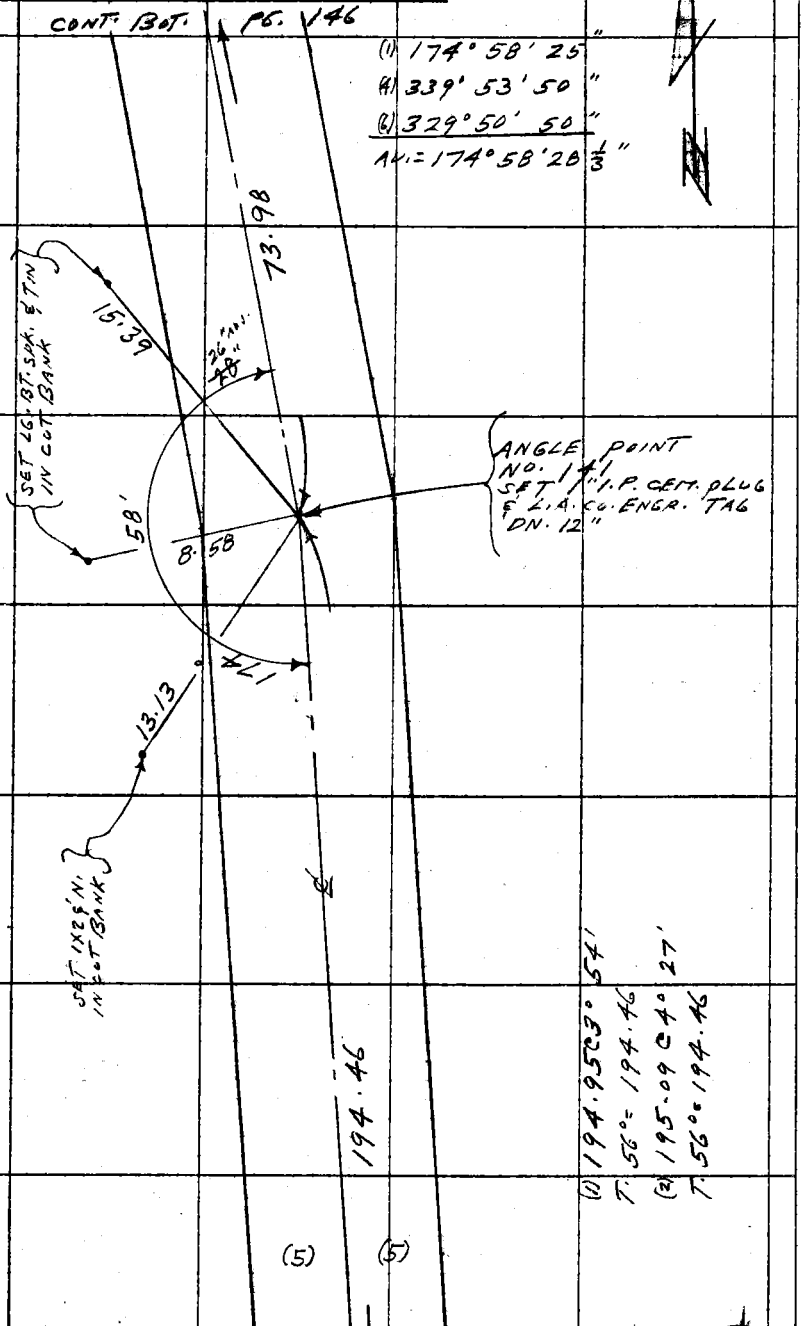
Notes Cfd by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0035.28 Tape 149 Std 94 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 3-27-74
Received T. M. PALMER MAY 9 1974

F. B. 146 PG. 145

CONT. BOT. PG. 146

(1) 174° 58' 25"
(4) 339° 53' 50"
(6) 329° 50' 50"
Av. = 174° 58' 28 1/3"



(1) 194.95 S 0° 54' 41" E
T. 56 = 194.46
(2) 195.09 S 4° 04' 27" E
T. 56 = 194.46

CONT. TOP PG. 144

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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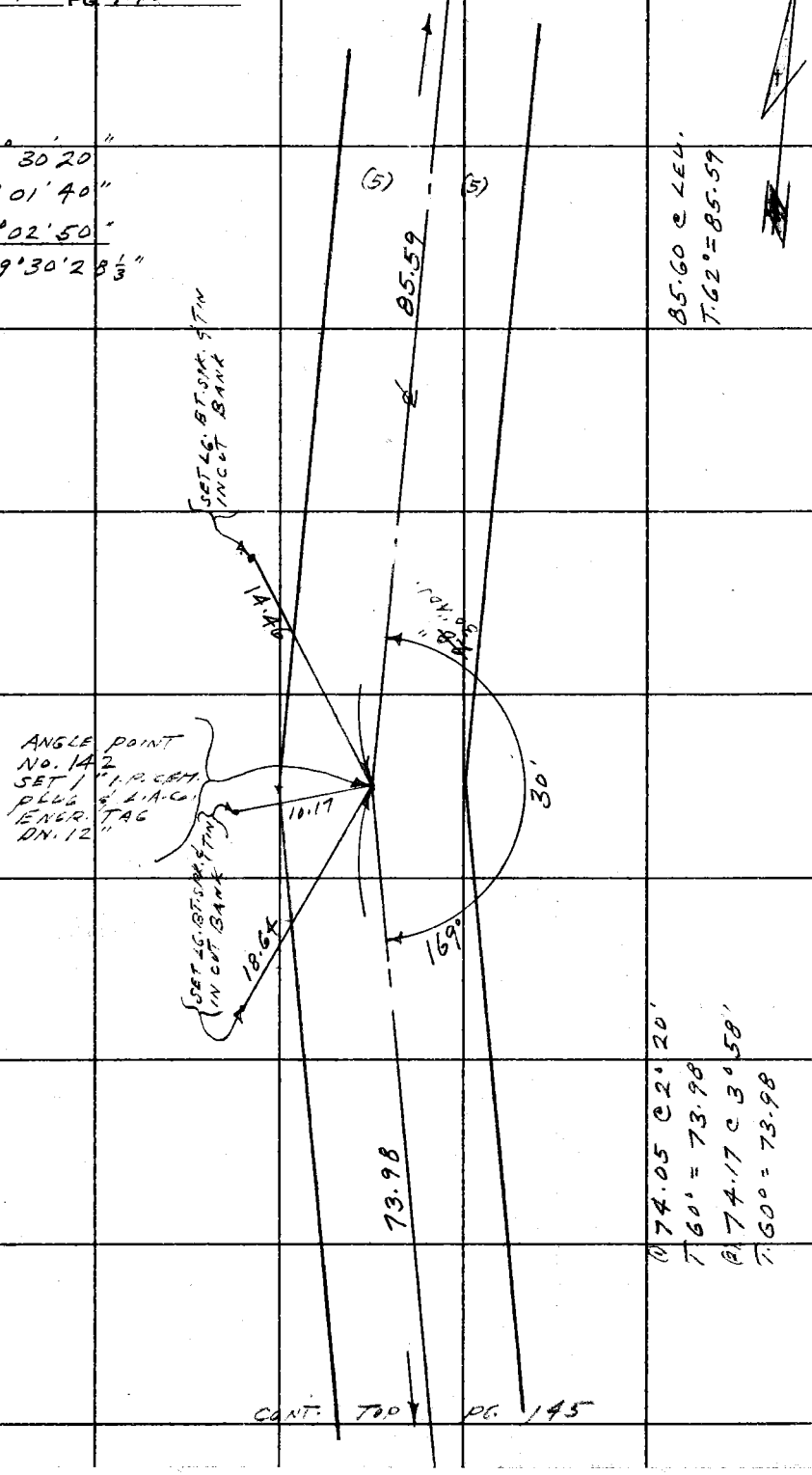
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309 CE#310 3-69

F. B. 4146 PG. 146

CONT. BOT. PG. 147

(1) 169° 30' 20"
(4) 318° 01' 40"
(6) 297° 02' 50"
AV. = 169° 30' 28 1/3"



CONT. TOP PG. 145

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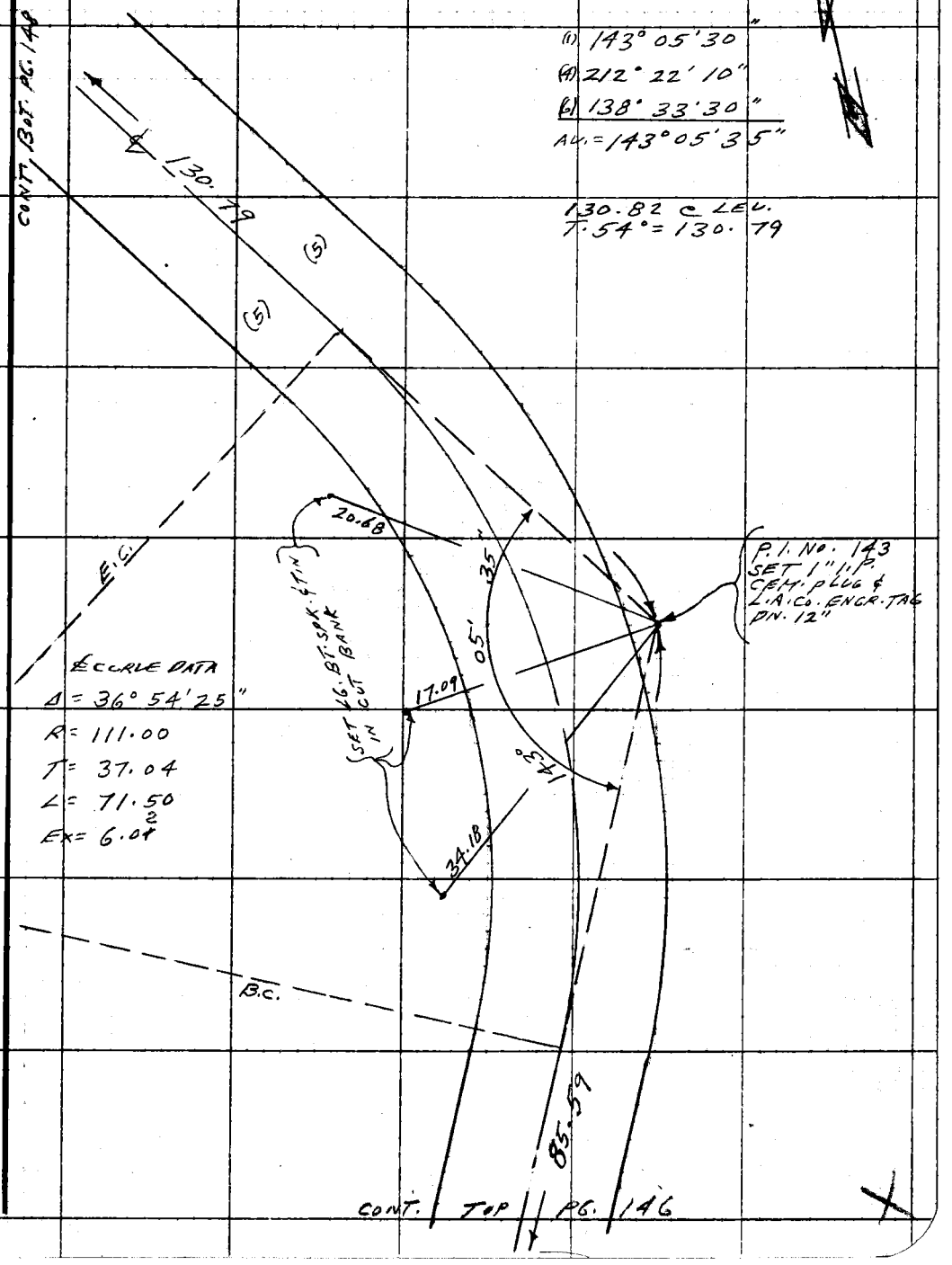
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 147
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L.L. BROWN	
Checked	Notes L.L. BROWN Date 3-27-74	
Date	Indexed T. M. PALMERI MAY 9 1974	



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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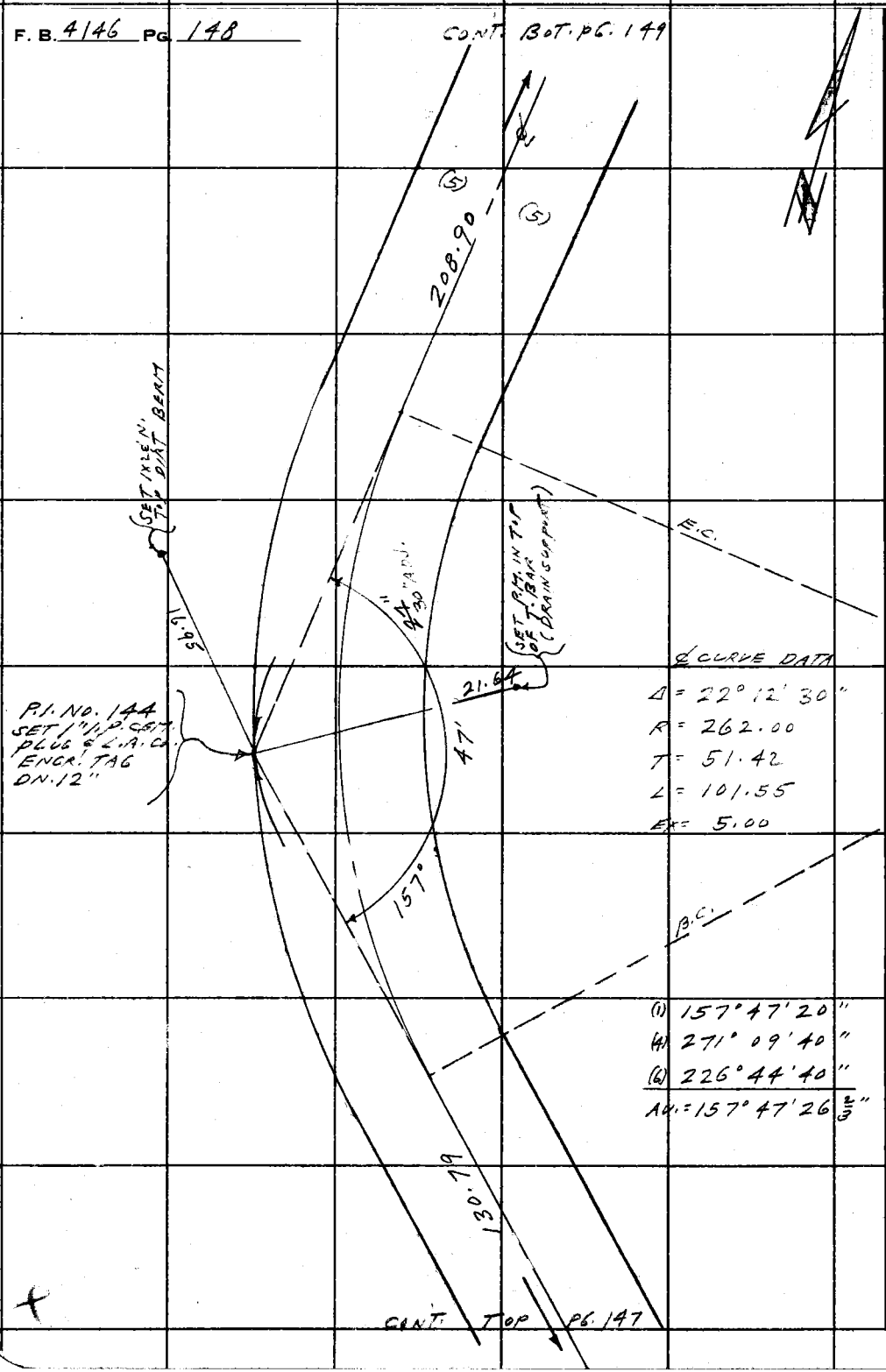
76F309S CE#310 3-69

F. B. 4146 PG. 148

CONT. BOT. PG. 149



℄ CURVE DATA

Δ = 22° 12' 30"
R = 262.00
T = 51.42
L = 101.55
Ex = 5.00

(1) 157° 47' 20"
(4) 271° 09' 40"
(6) 226° 44' 40"
Δ = 157° 47' 26 5/8"

CONT. TOP PG. 147

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

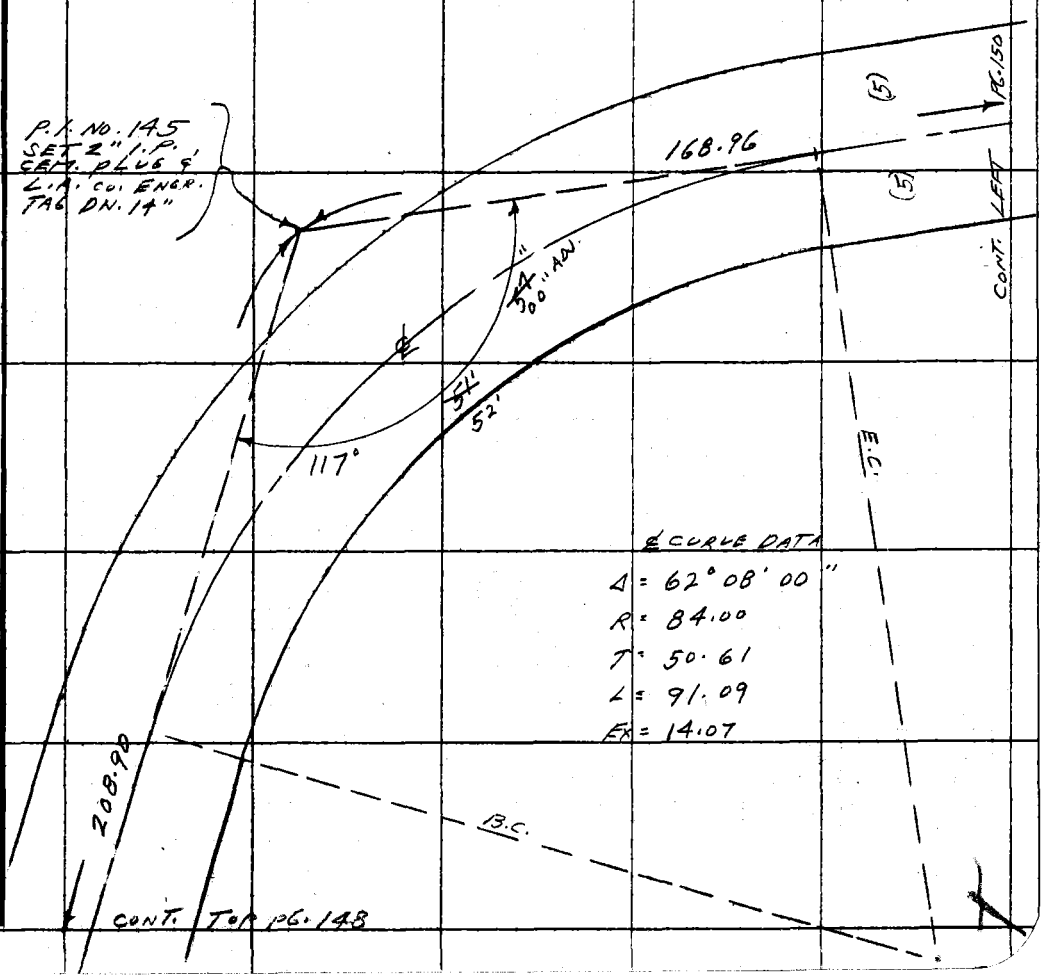
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 3-28-74
Date	Tabulated T.M. PALMERI MAY 9 1974

F. B. 4146 PG. 149

(1) 209.66 @ 4°44'
T. 54° = 208.90
(2) 209.79 @ 5°09'
T. 54° = 208.90

(1) 117° 52' 05"
(4) 111° 28' 00"
(6) 347° 11' 40"
AV. = 117° 52' 56 2/3"

(1) 171.89 @ 10° 33'
T. 54° = 168.95
(2) 172.00 @ 10° 43'
T. 54° = 168.97
AV. = 168.96



℄ CURVE DATA
Δ = 62° 08' 00"
R = 84.00
T = 50.61
L = 91.09
Ex = 14.07

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

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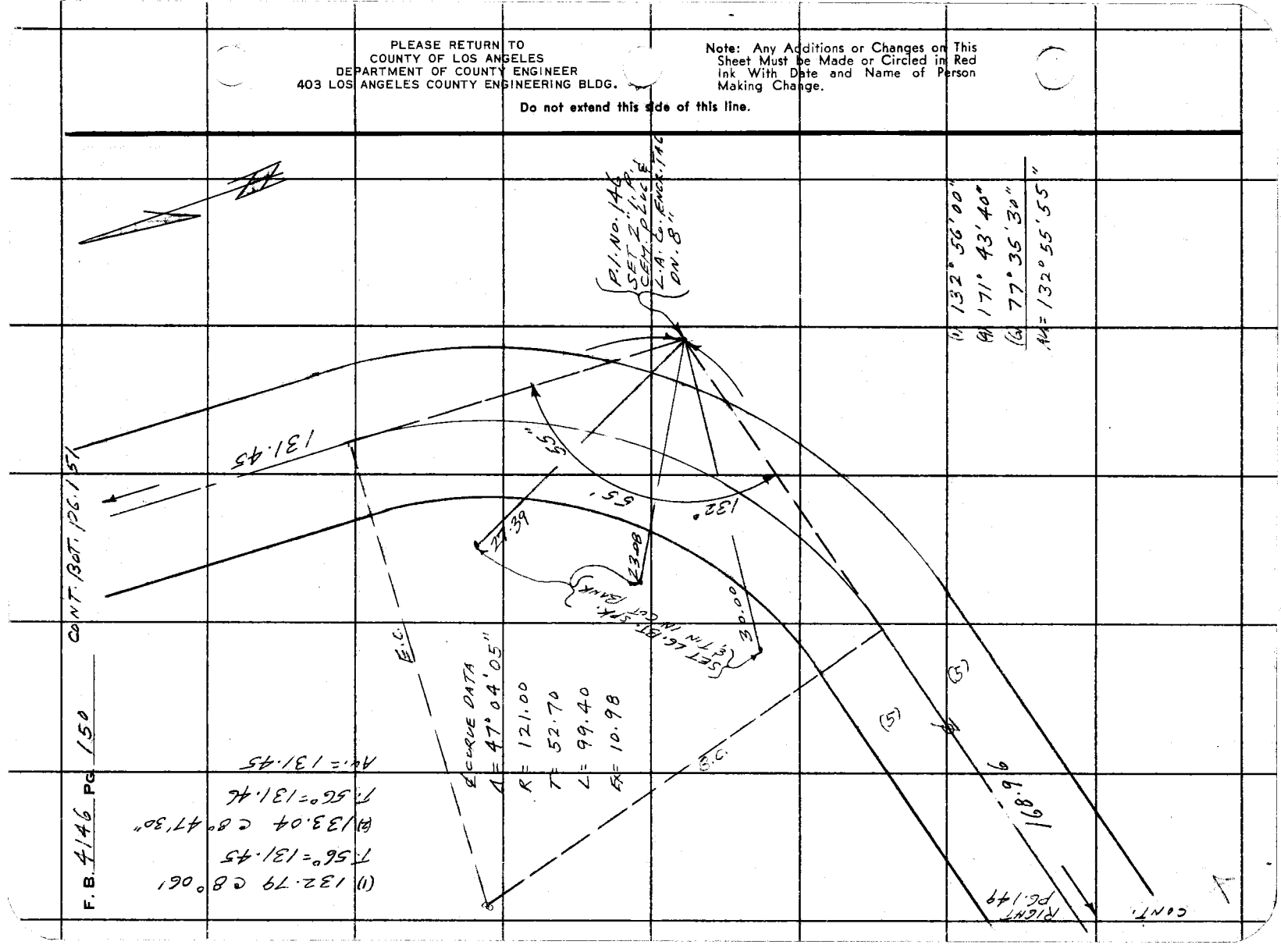
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

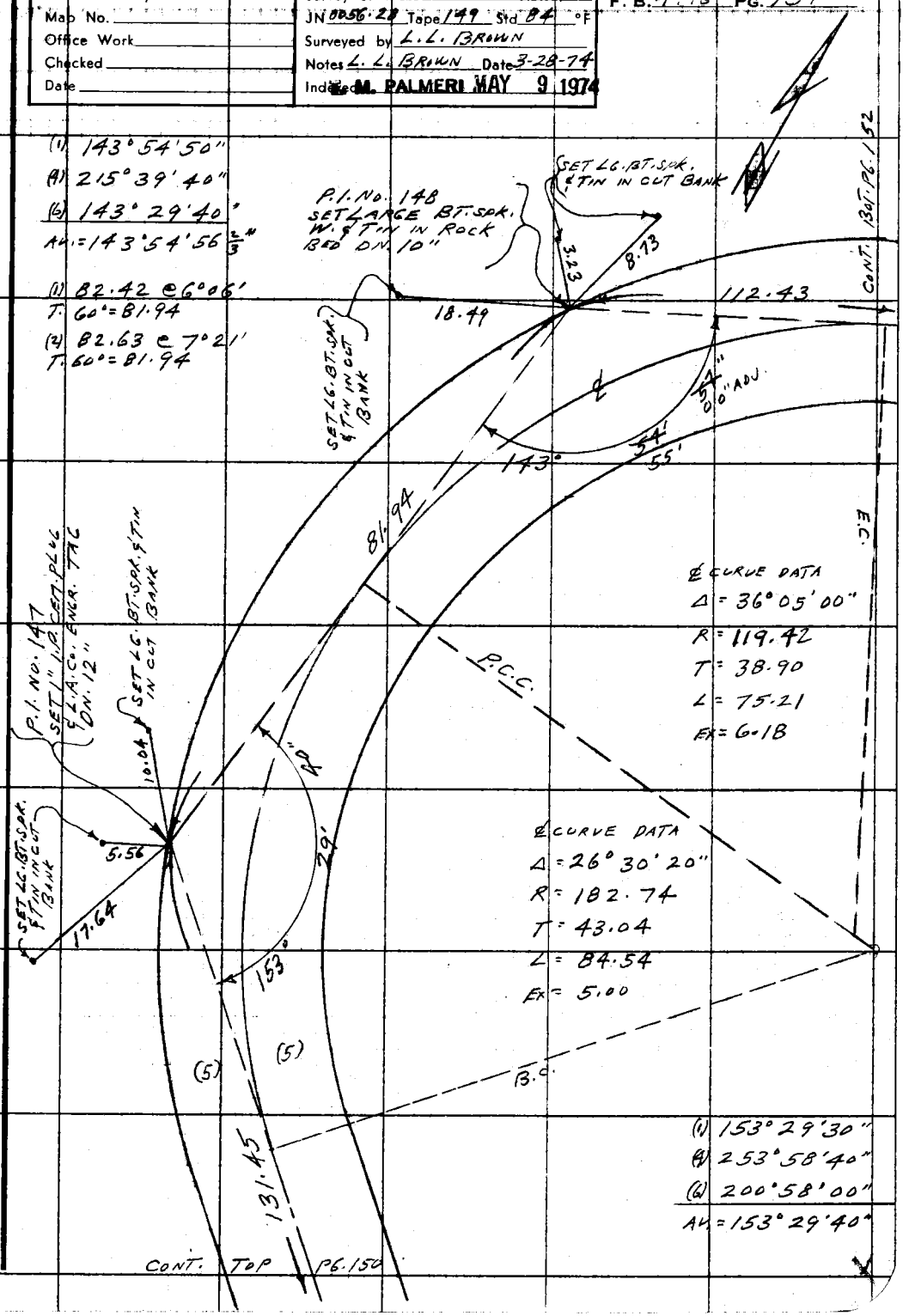
Do not extend this side of this line.



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

Survey of VAN TASSEL MOTORWAY
JN 0856.28 Tape 149 Std 84 °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 3-28-74
Indexed M. PALMERI MAY 9 1974

F. B. 4146 PG. 151



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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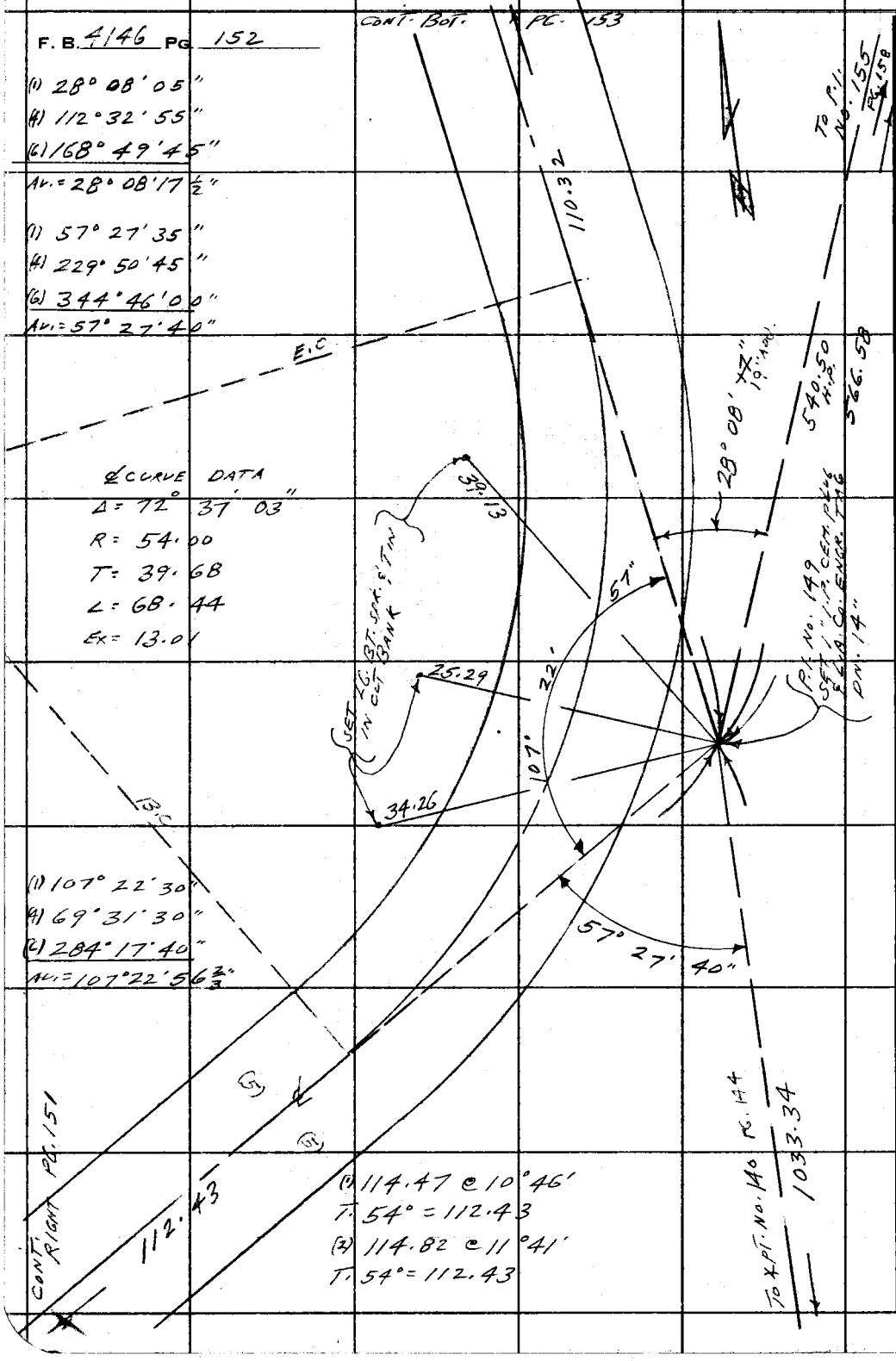
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE#310 3-69

F. B. 4146 PG. 152

(1) 28° 08' 05"
(4) 112° 32' 55"
(6) 168° 49' 45"
AV. = 28° 08' 17½"

(1) 57° 27' 35"
(4) 229° 50' 45"
(6) 344° 46' 00"
AV. = 57° 27' 40"



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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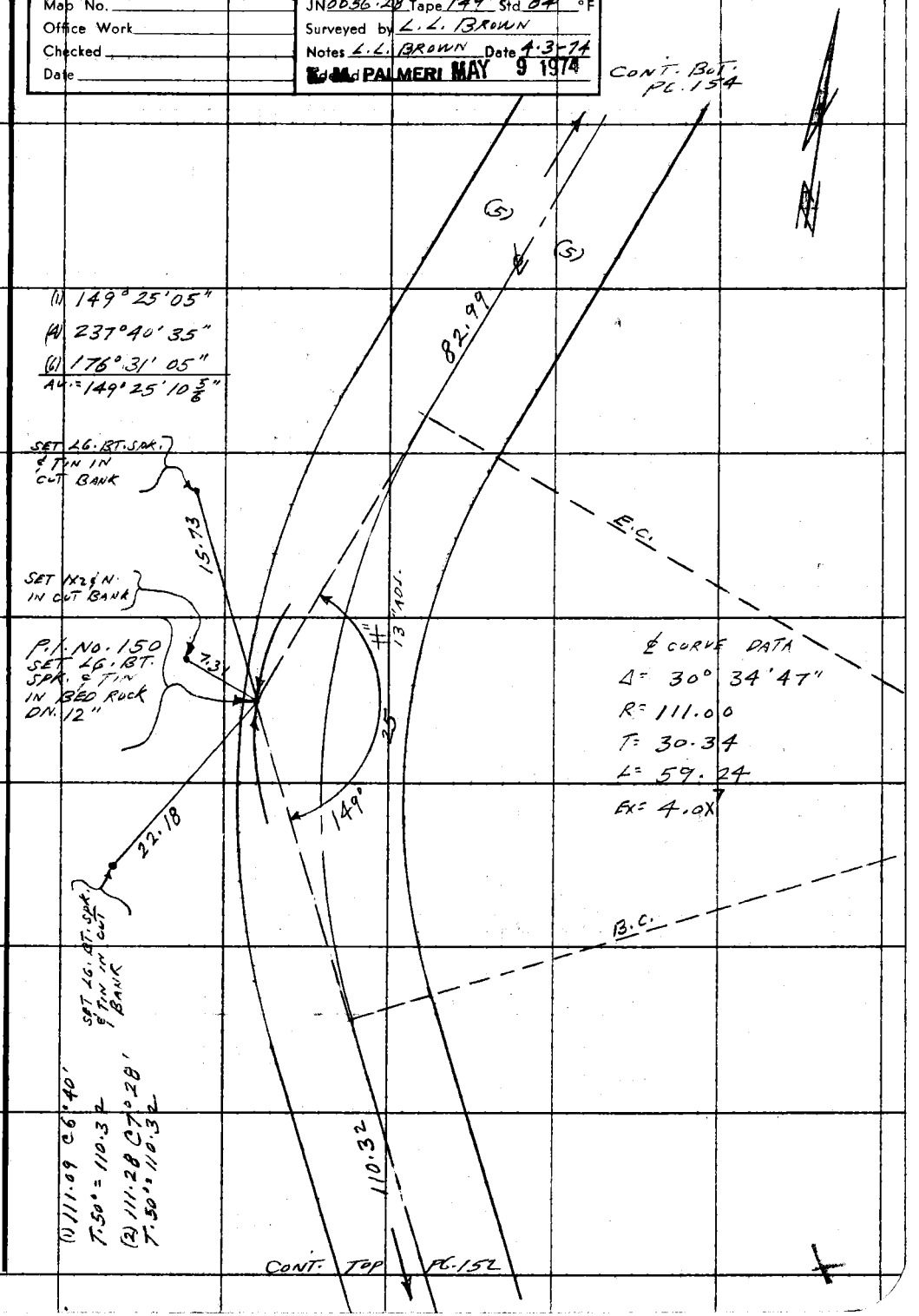
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 153
Map No.	JN0036.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 4-3-74	
Date	Ed. M. PALMERI MAY 9 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.

Do not extend this side of this line.

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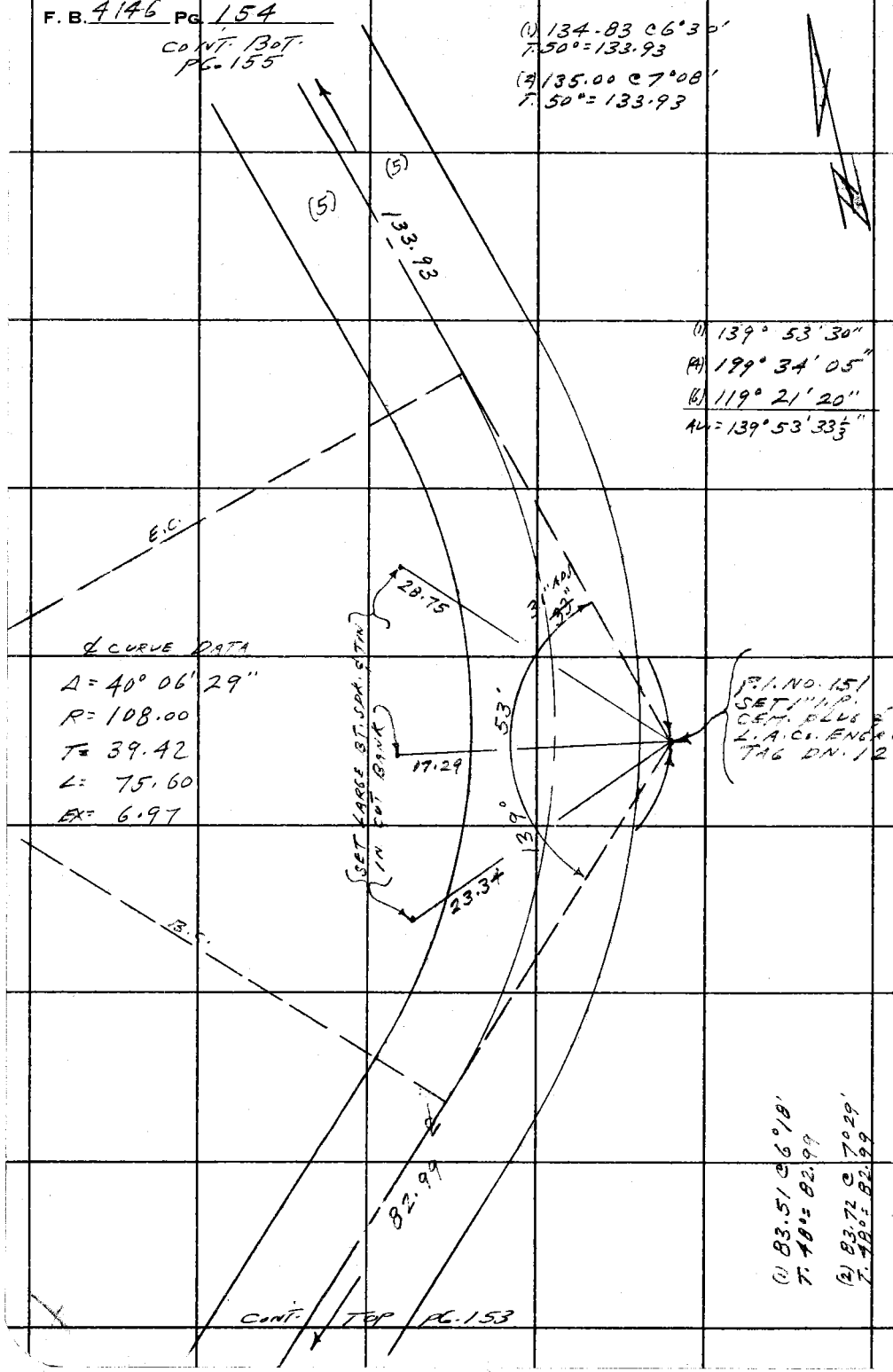
76F309S CE#310 3-69

F. B. 4146 PG. 154

CONT. FROM PG. 155



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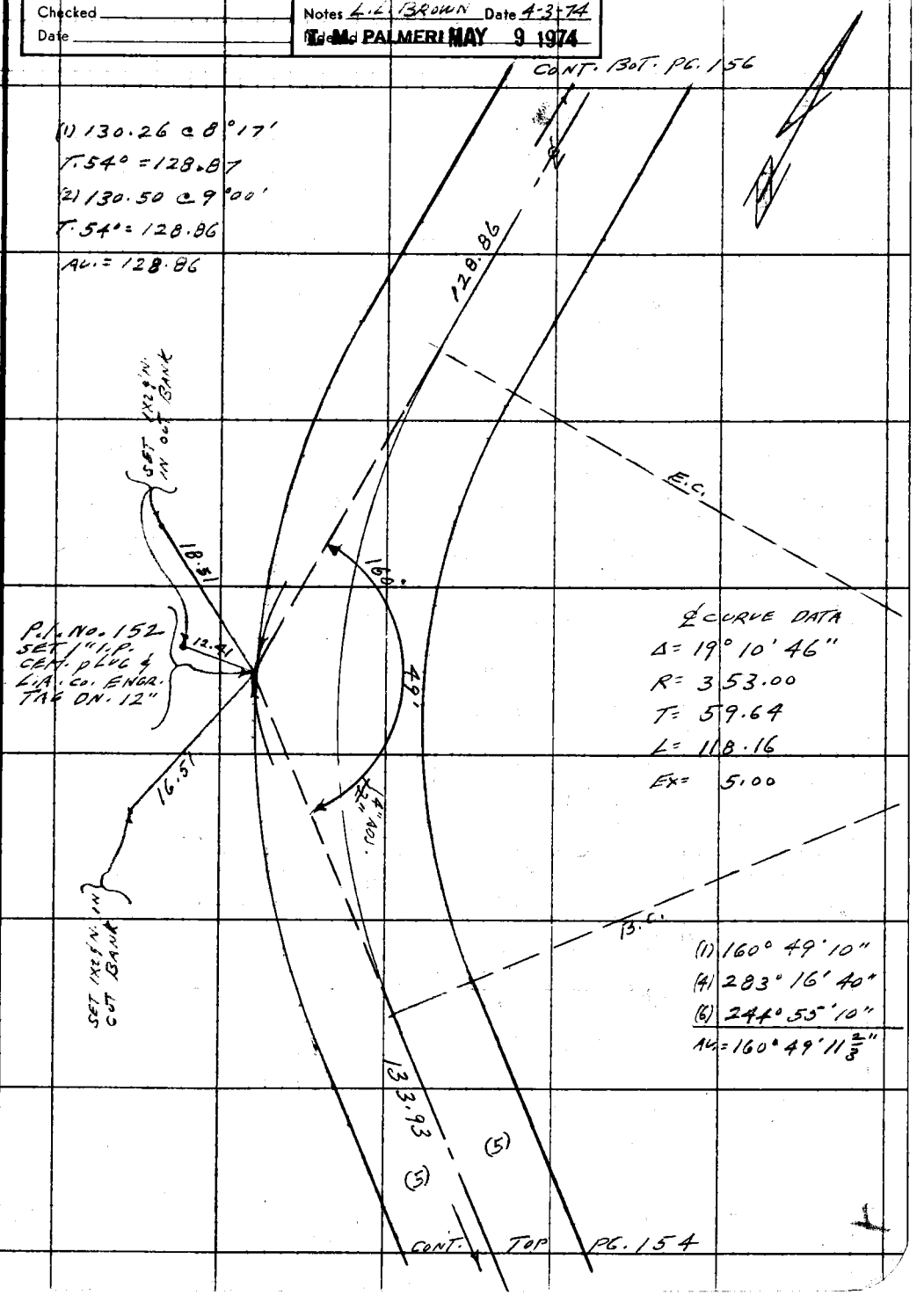
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 4-3-74
Date	Filed T.M. PALMERI MAY 9 1974

F. B. 4146 PG. 155



℄ CURVE DATA
Δ = 19° 10' 46"
R = 353.00
T = 59.64
L = 118.16
Ex = 5.00

(1) 160° 49' 10"
(4) 283° 16' 40"
(6) 244° 55' 10"
AV. = 160° 49' 11 2/3"

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

Do not extend this side of this line.

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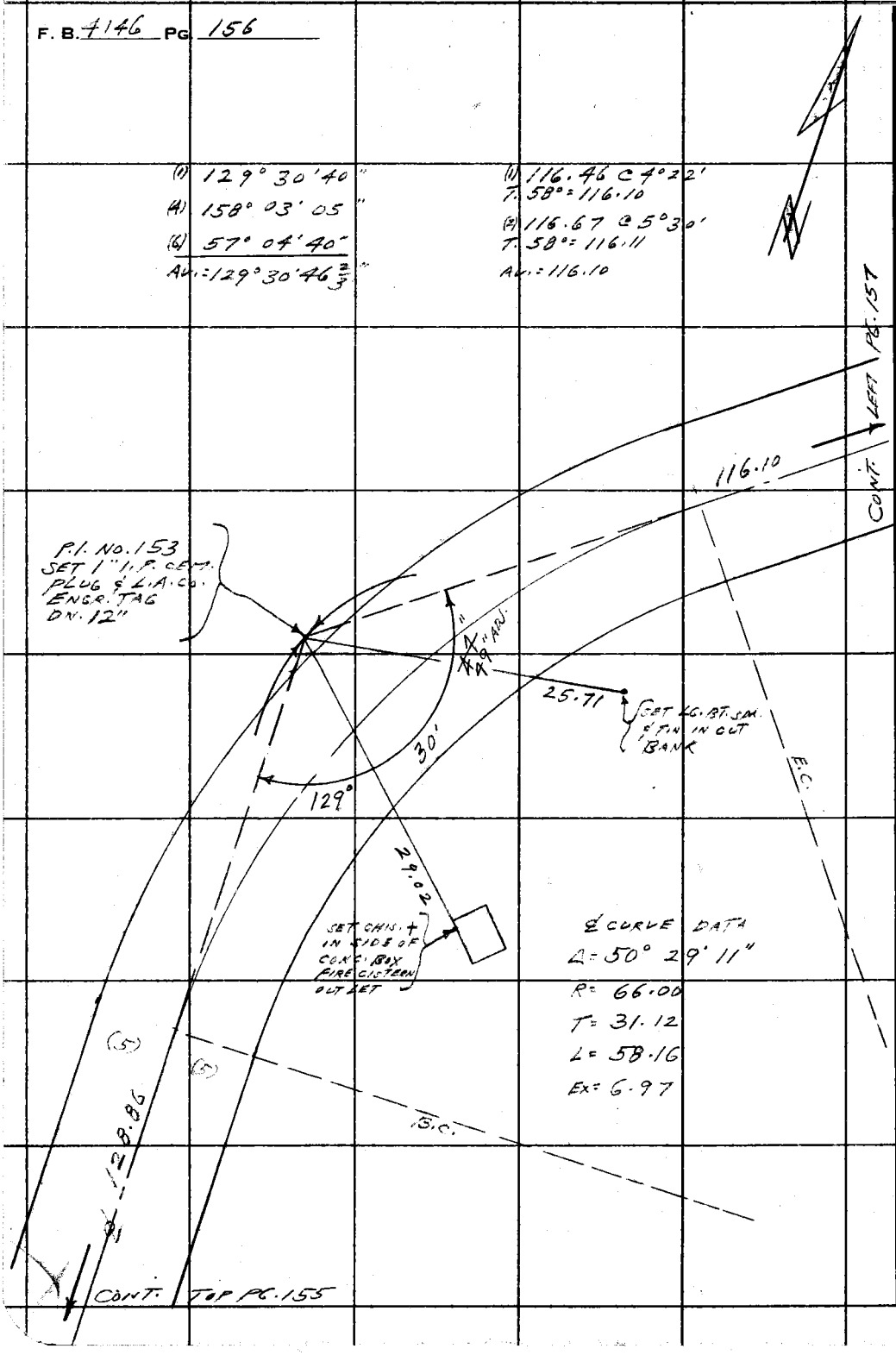
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

F. B. 4146 PG. 156

(1) 129° 30' 40"
(4) 158° 03' 05"
(6) 57° 04' 40"
Av.: 129° 30' 46⅔"

(1) 116.46 C 4° 22'
T. 58° = 116.10
(2) 116.67 @ 5° 30'
T. 58° = 116.11
Av.: = 116.10



℄ CURVE DATA
Δ = 50° 29' 11"
R = 66.00
T = 31.12
L = 58.16
Ex = 6.97

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

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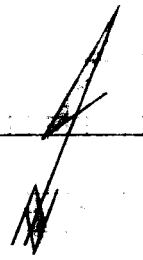
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

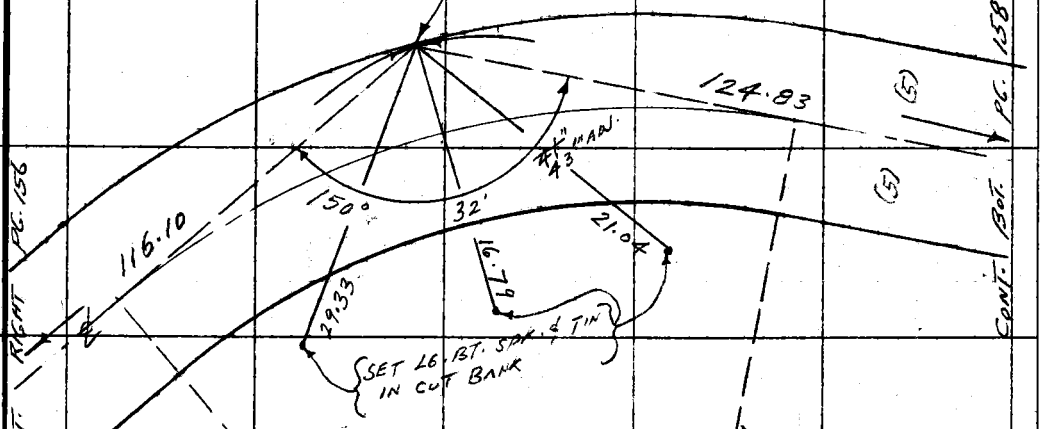
Notes Ck'd by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTOR WAY
JN 0056.20 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 4-3-74
Inked T.M. PALMERI MAY 9 1974

F. B. 4146 Pg. 157



P.I. No. 154
SET 1" I.P.
CEM. PLUG &
L.A. Co. ENGR. TAG
DM. 12"



SET LG. BT. SPK. & TIN IN CUT BANK

℄ CURVE DATA
Δ = 29° 27' 17"
R = 147.00
T = 38.64
L = 75.57
Ex = 4.99

B.C.

E.C.

(1) 150° 32' 10"
(2) 242° 10' 40"
(6) 183° 16' 10"
Av. = 150° 32' 40 3/3"

(1) 125.66 @ 6° 29'
T. 60° = 124.84
(2) 125.85 @ 7° 14'
T. 60° = 124.83
Av. = 124.83

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

Do not extend this side of this line.

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

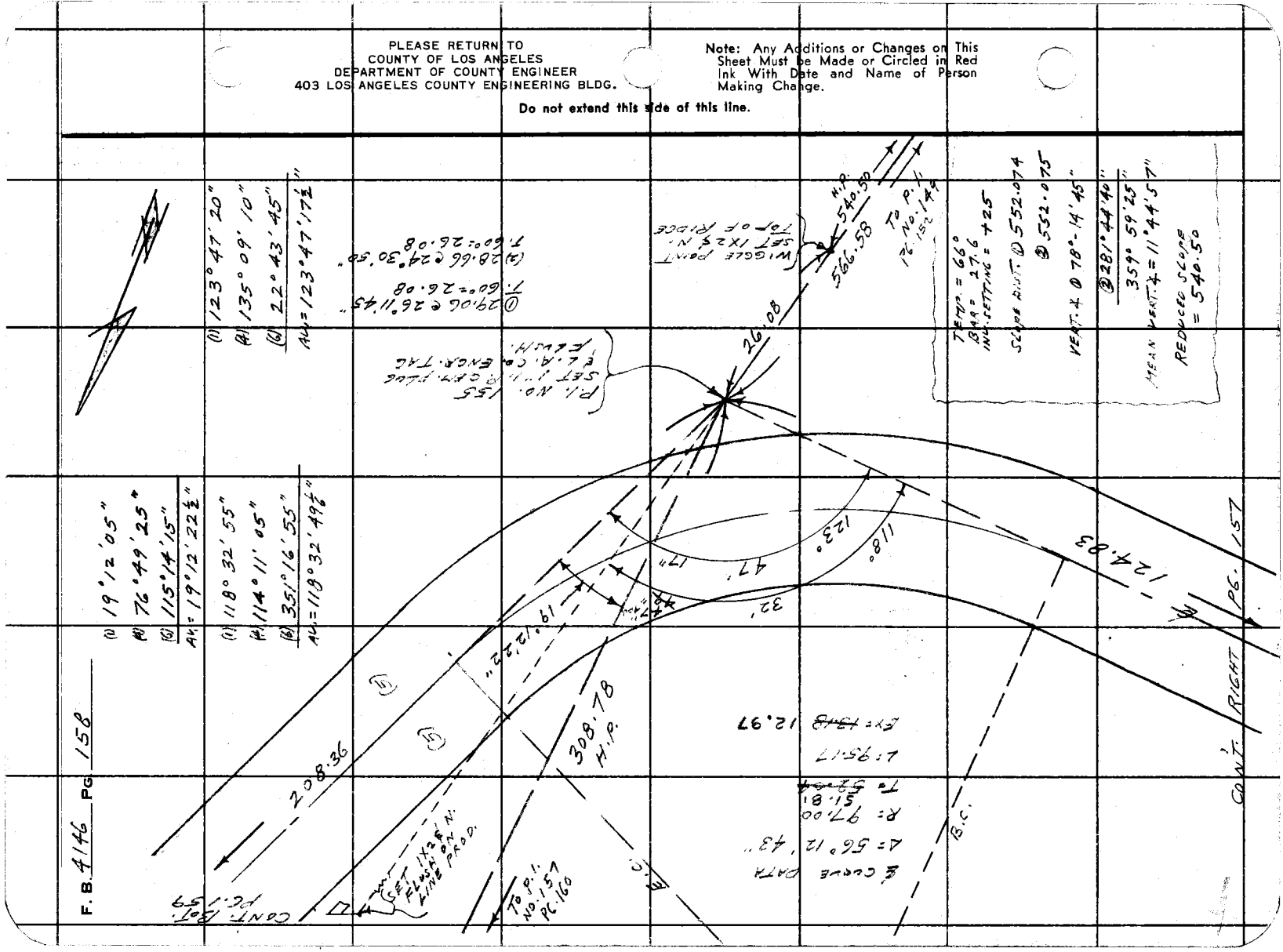
76F309S CE#310 3-69

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

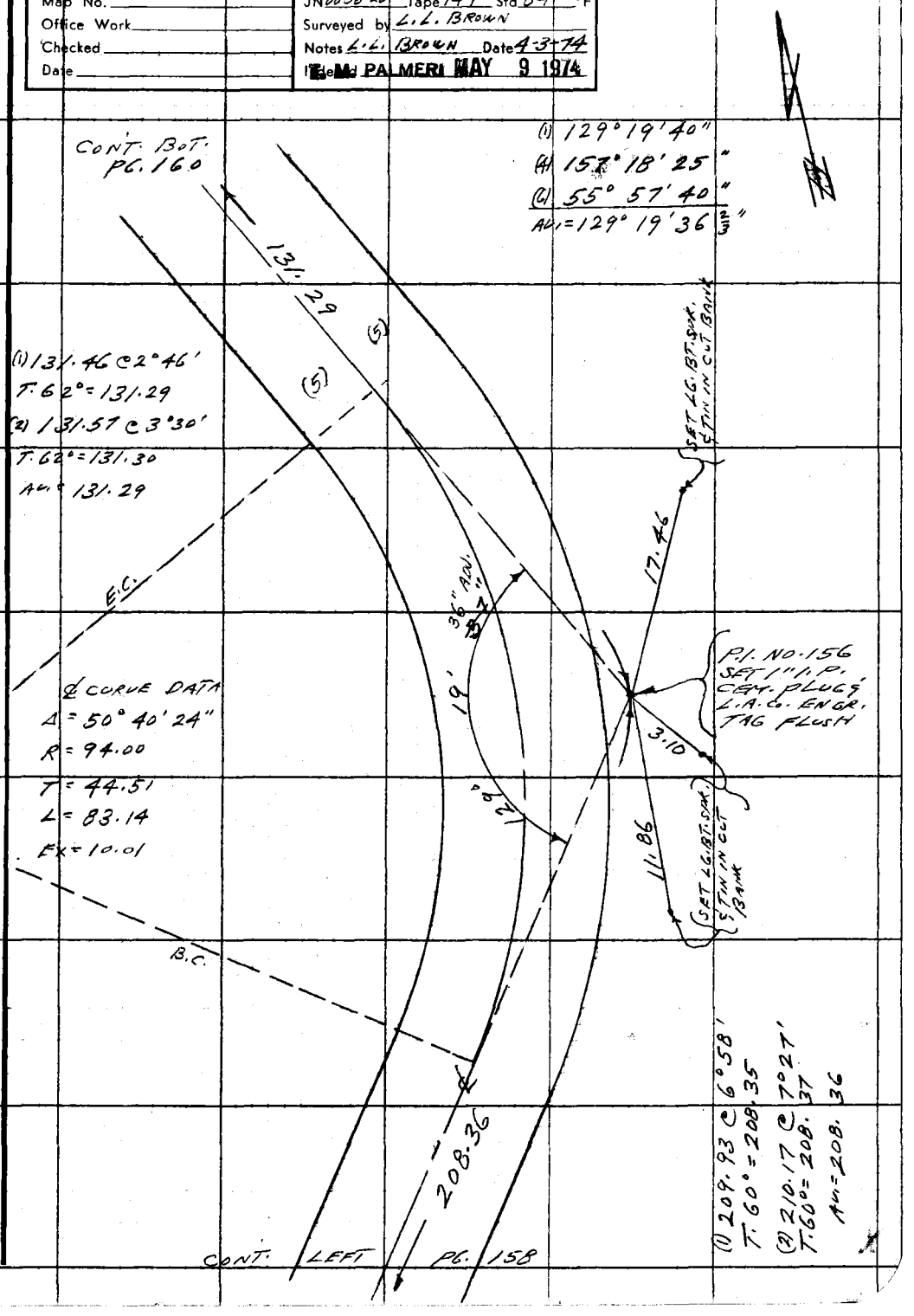
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

F.B. 4146 PG. 158



Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 159
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 4-3-74	
Date	Indexed T. M. PALMERI MAY 9 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.

Do not extend this side of this line.

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

76F309S CE#310 3-69

F. B. 4146 PG 160

(1) 38° 47' 20"
(4) 155° 09' 40"
(6) 232° 44' 40"

AV.= 38° 47' 26 2/3"

(1) 93° 54' 00"
(4) 15° 36' 35"
(6) 203° 25' 00"

AV.= 93° 54' 10"

TEMP. = 64°
BAR. = 27.5
ENV. SET. = +25

SLOPE ① 851.303
② 851.294

VERT. ∡ ① 84° 19' 20"
② 275° 40' 20"
359° 59' 40"

MEAN VERT. ∡ = 5° 40' 30"

REDUCED SLOPE = 847.13

P.I. NO. 157
SET 2" I.P.
CEM. PLUG & L.A.C.
ENGR. TAG
DN. 12" BELOW
DIRT BERM

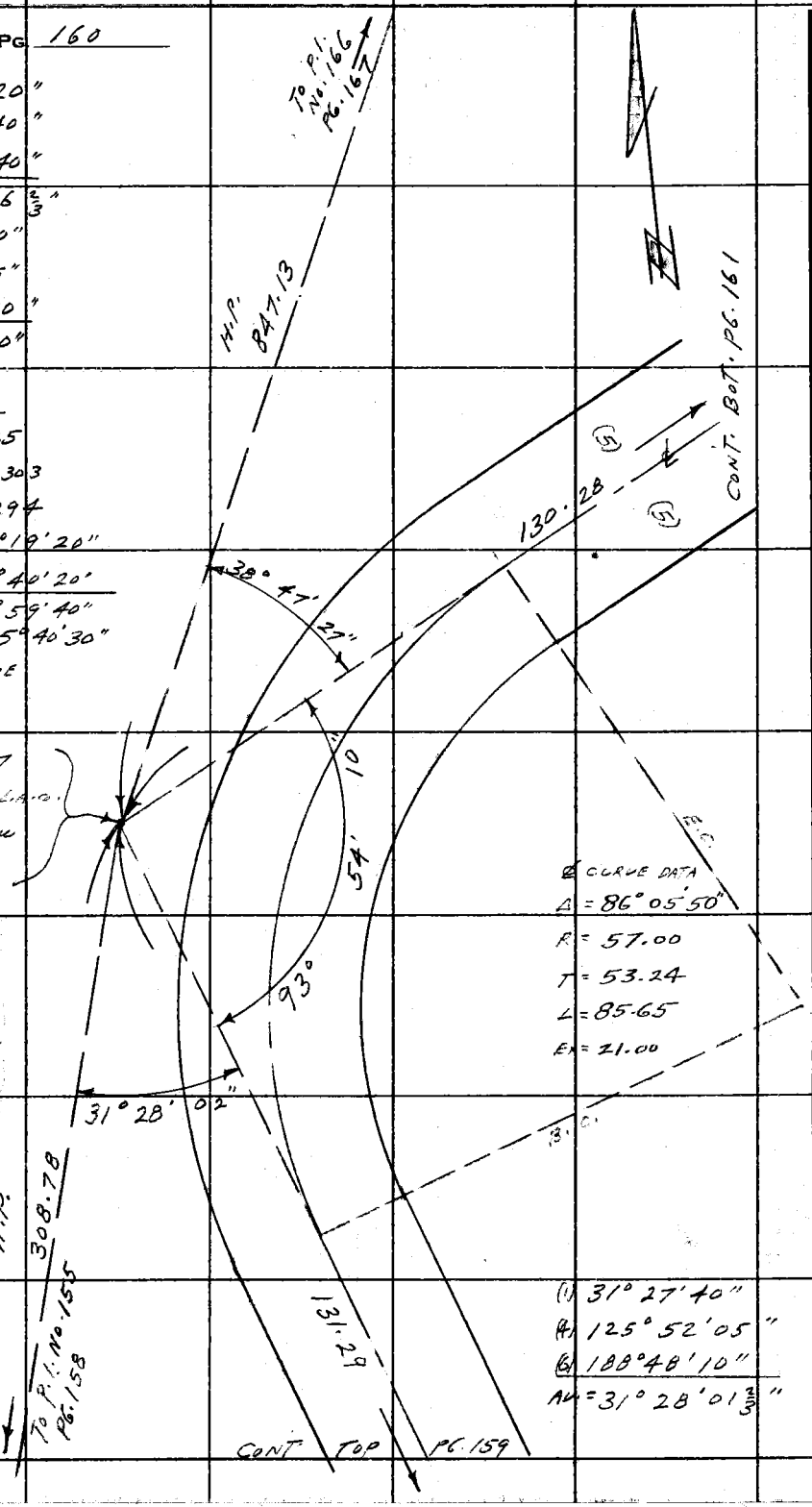
VERT ∡ ① 96° 52' 05"
② 263° 07' 10"
359° 59' 15"

MEAN VERT ∡ = 6° 52' 27"

REDUCED SLOPE = 308.78

TEMP. = 74°
BAR. = 27.5
INV. SETTING = +30

SLOPE ① 311.020
② 311.024



℄ CURVE DATA
Δ = 86° 05' 50"
R = 57.00
T = 53.24
L = 85.65
Ex = 21.00

(1) 31° 27' 40"
(4) 125° 52' 05"
(6) 188° 48' 10"

AV. = 31° 28' 01 2/3"

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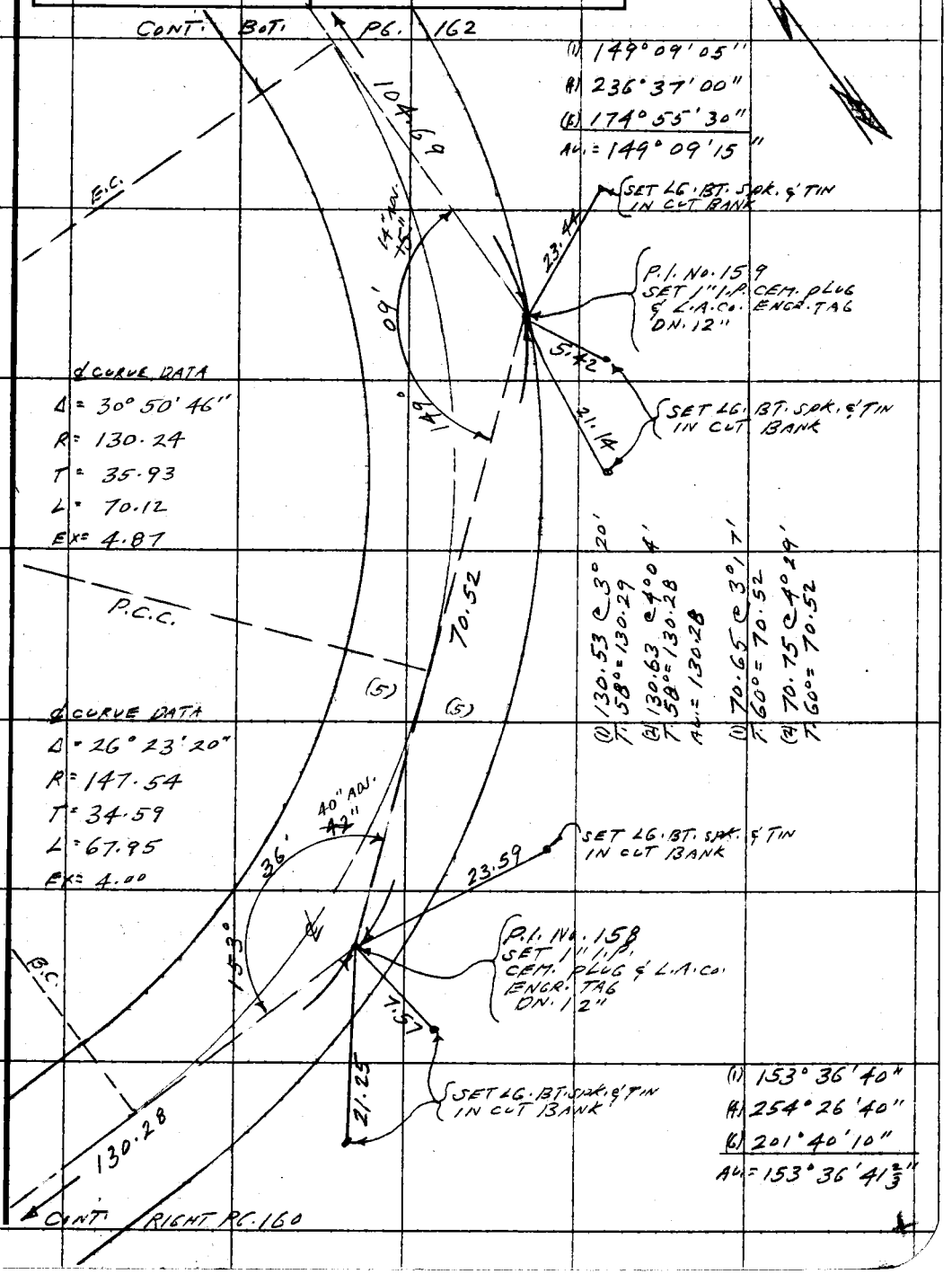
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 161
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 4-5-74	
Date	Reviewed T. M. PALMERI MAY 9 1974	



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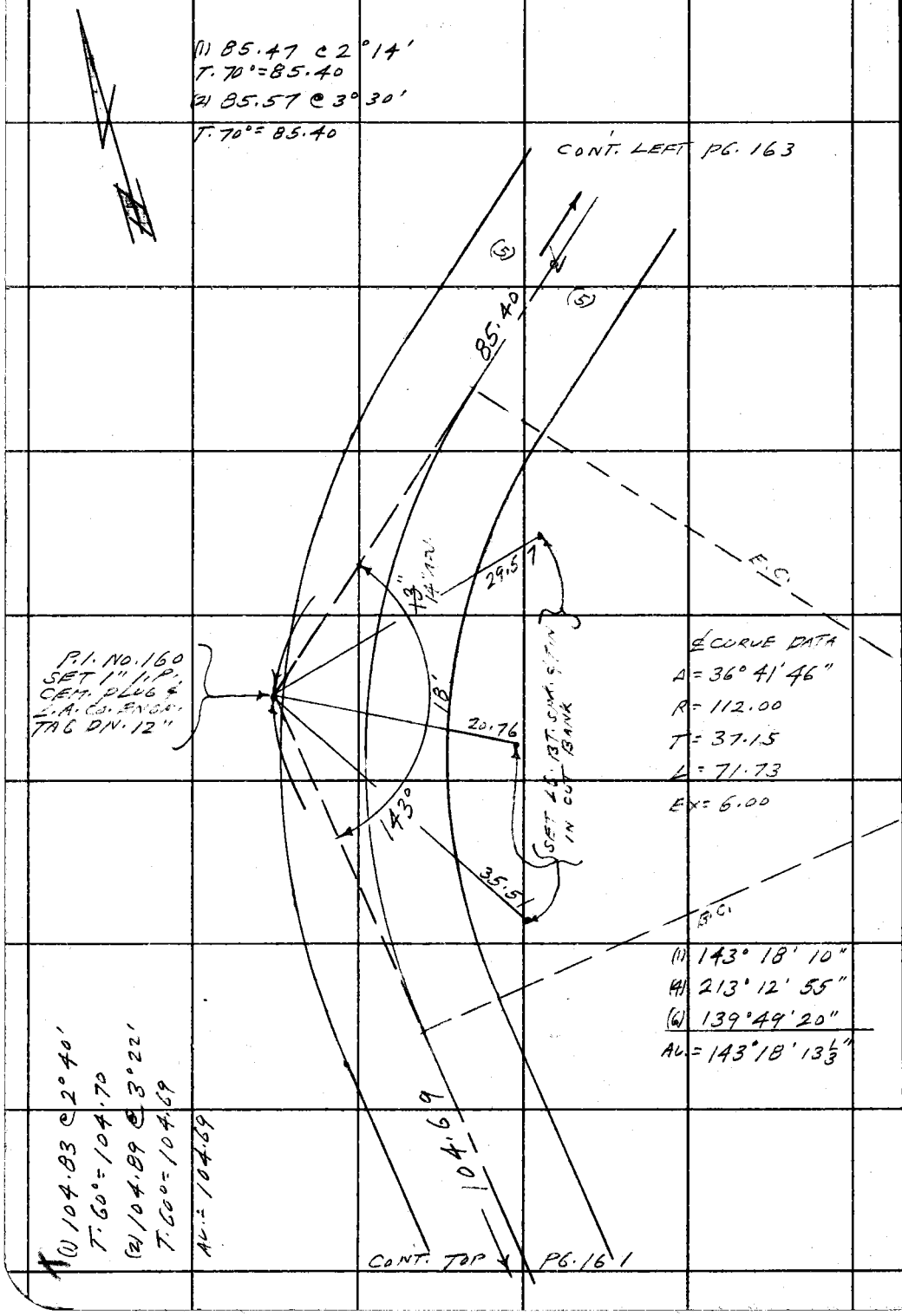
76F309S CE#310 3-69

F. B. 4146 PG 162

(1) 85.47 @ 2°14'
T. 70° = 85.40
(2) 85.57 @ 3°30'
T. 70° = 85.40



(1) 104.83 @ 2°40'
T. 60° = 104.70
(2) 104.89 @ 3°22'
T. 60° = 104.69
AV. = 104.69

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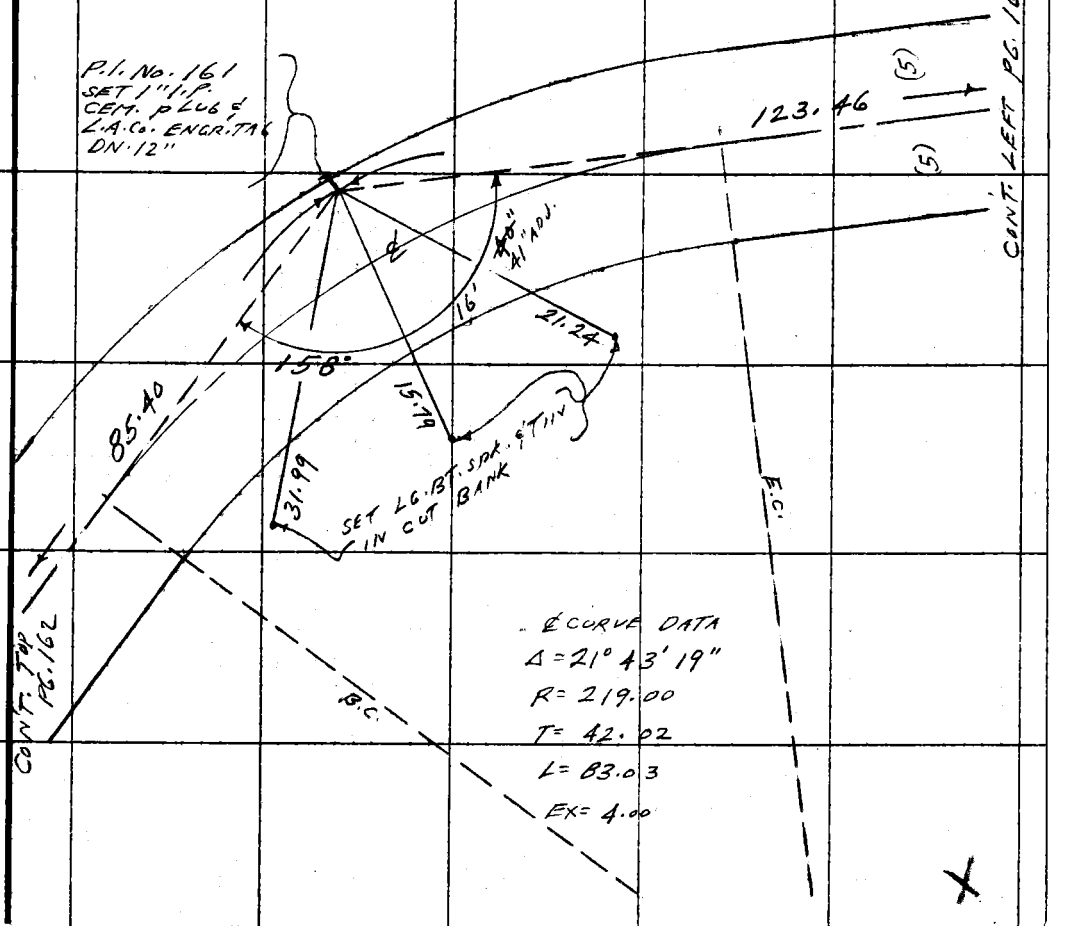
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 4-4-74
Date	Indexed L. M. PALMERI MAY 9 1974

F. B. 4146 PG. 163

(1) 158° 16' 45"
(4) 273° 06' 40"
(6) 229° 40' 00"
AV. = 158° 16' 40"



℄ CURVE DATA
Δ = 21° 43' 19"
R = 219.00
T = 42.02
L = 83.03
EX = 4.00

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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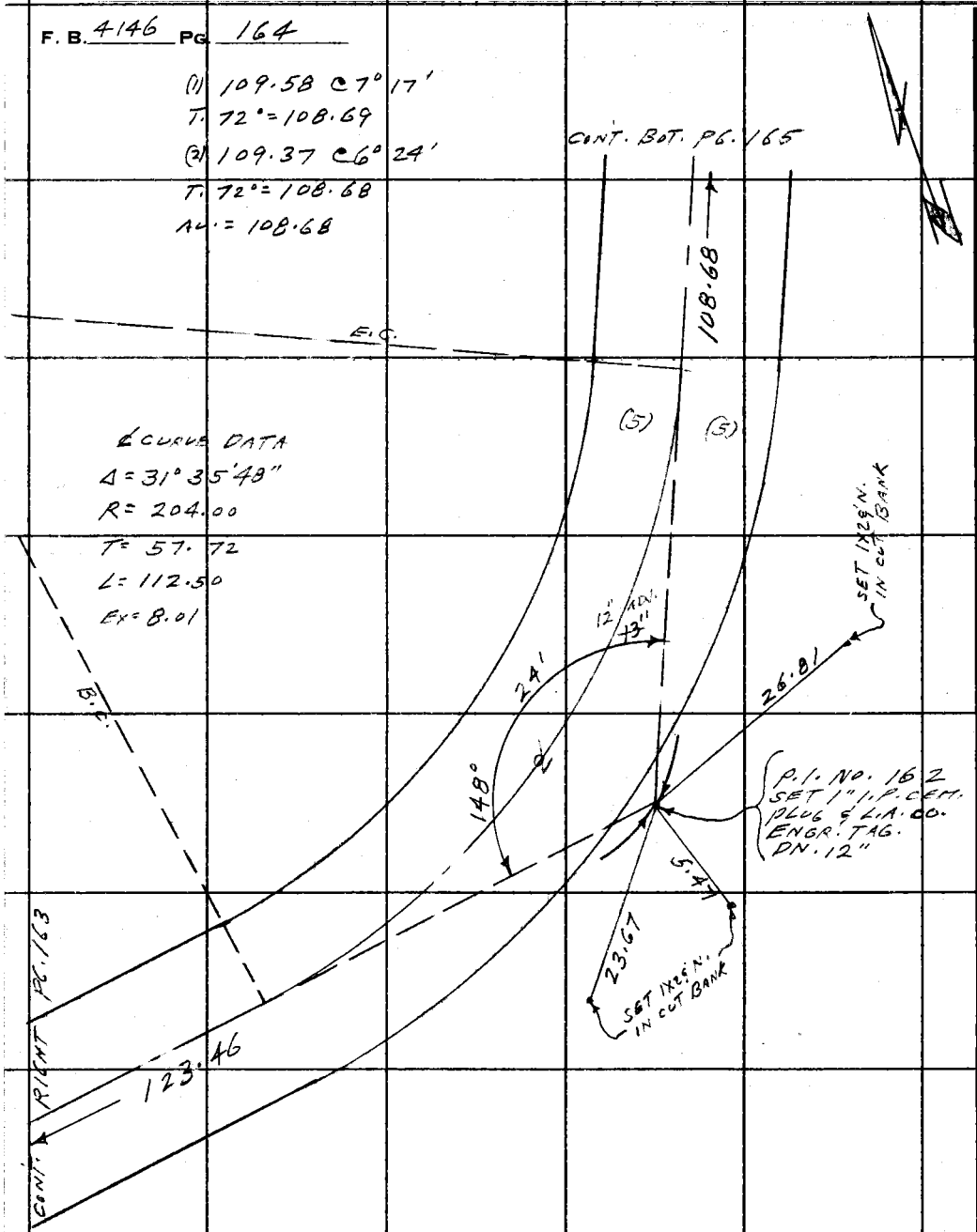
76F309S CE#310 3-69

F. B. 4146 PG. 164

(1) 109.58 @ 7° 17'
T. 72° = 108.69
(2) 109.37 @ 6° 24'
T. 72° = 108.68
AV. = 108.68



(1) 123.77 @ 4° 00'
T. 72° = 123.46
(2) 123.67 @ 3° 17'
T. 72° = 123.46

(1) 148° 24' 10"
(4) 233° 37' 05"
(6) 170° 25' 20"
AV. = 148° 24' 13 1/3"

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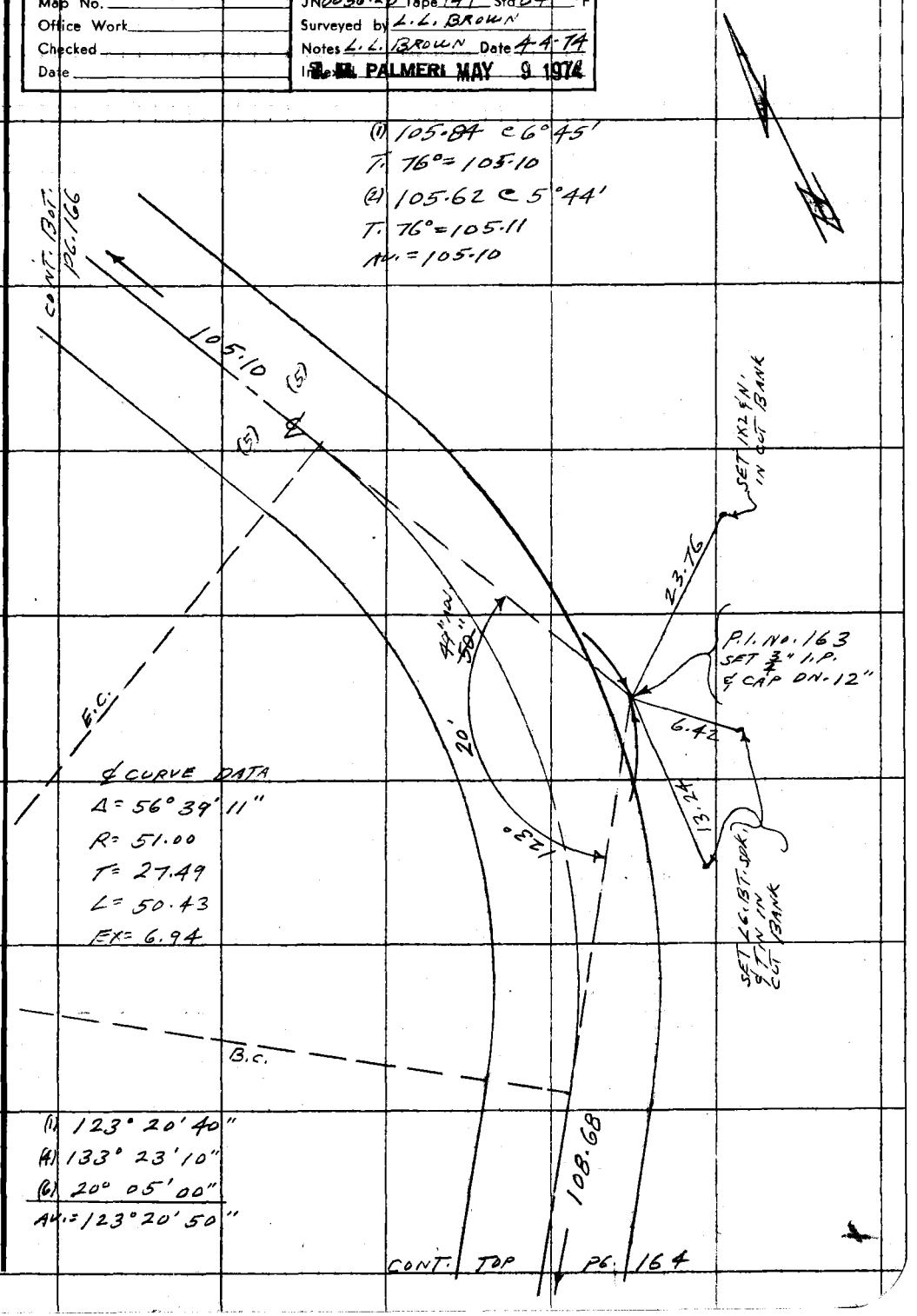
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 165
Map No.	JN 0056.28 Tape 149 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 4-4-74	
Date	Inspector R. M. PALMERI MAY 9 1974	



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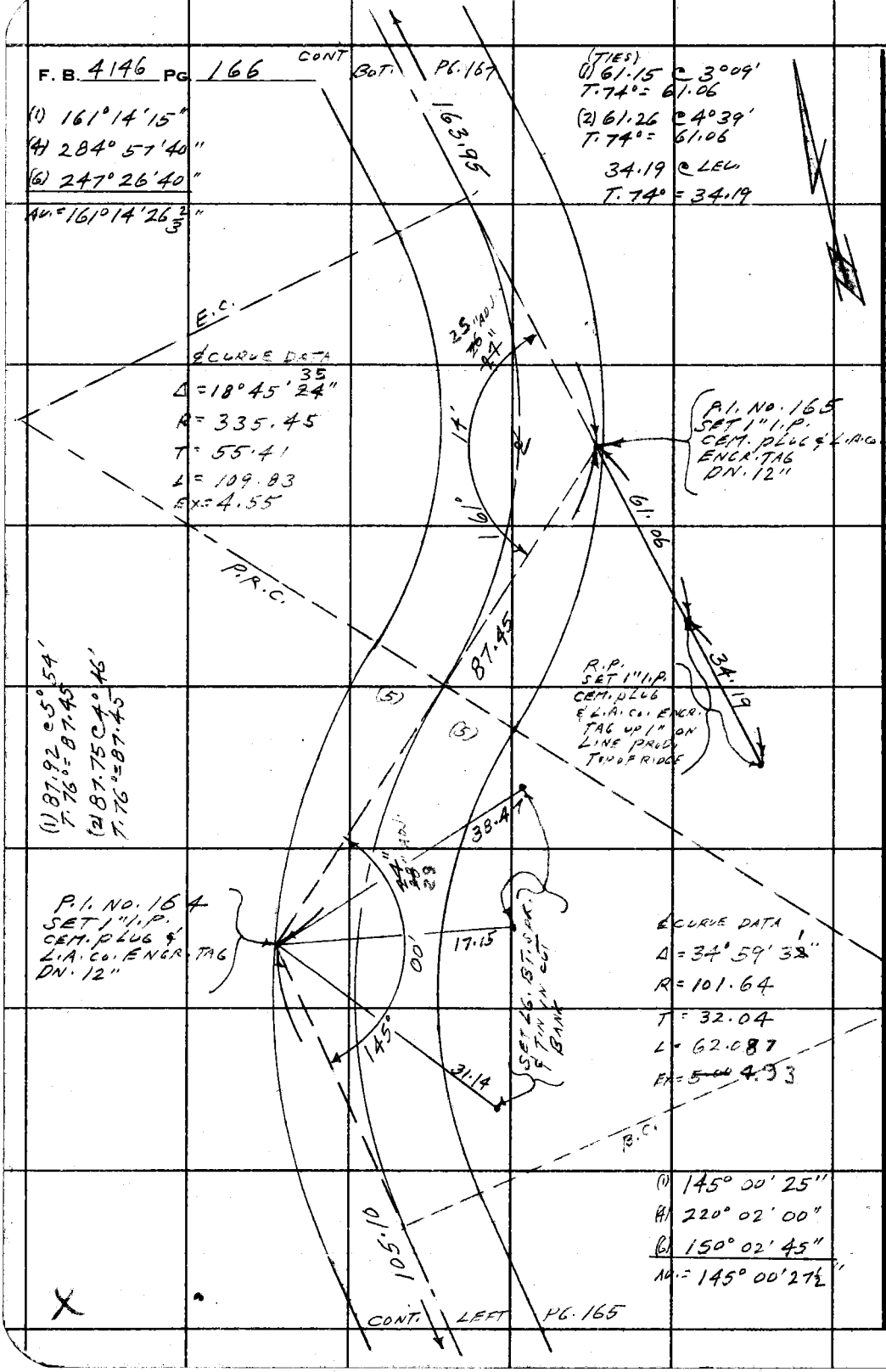
76F309S CE#310 3-69

F. B. 4146 PG. 166 CONT BOT. PG. 167

(1) 161°14'15"
(4) 284°57'40"
(6) 247°26'40"
AV. = 161°14'26 2/3"

(TIES)
(1) 61.15 @ 3°09'
T. 74° = 61.06
(2) 61.26 @ 4°39'
T. 74° = 61.06
34.19 @ LEV.
T. 74° = 34.19



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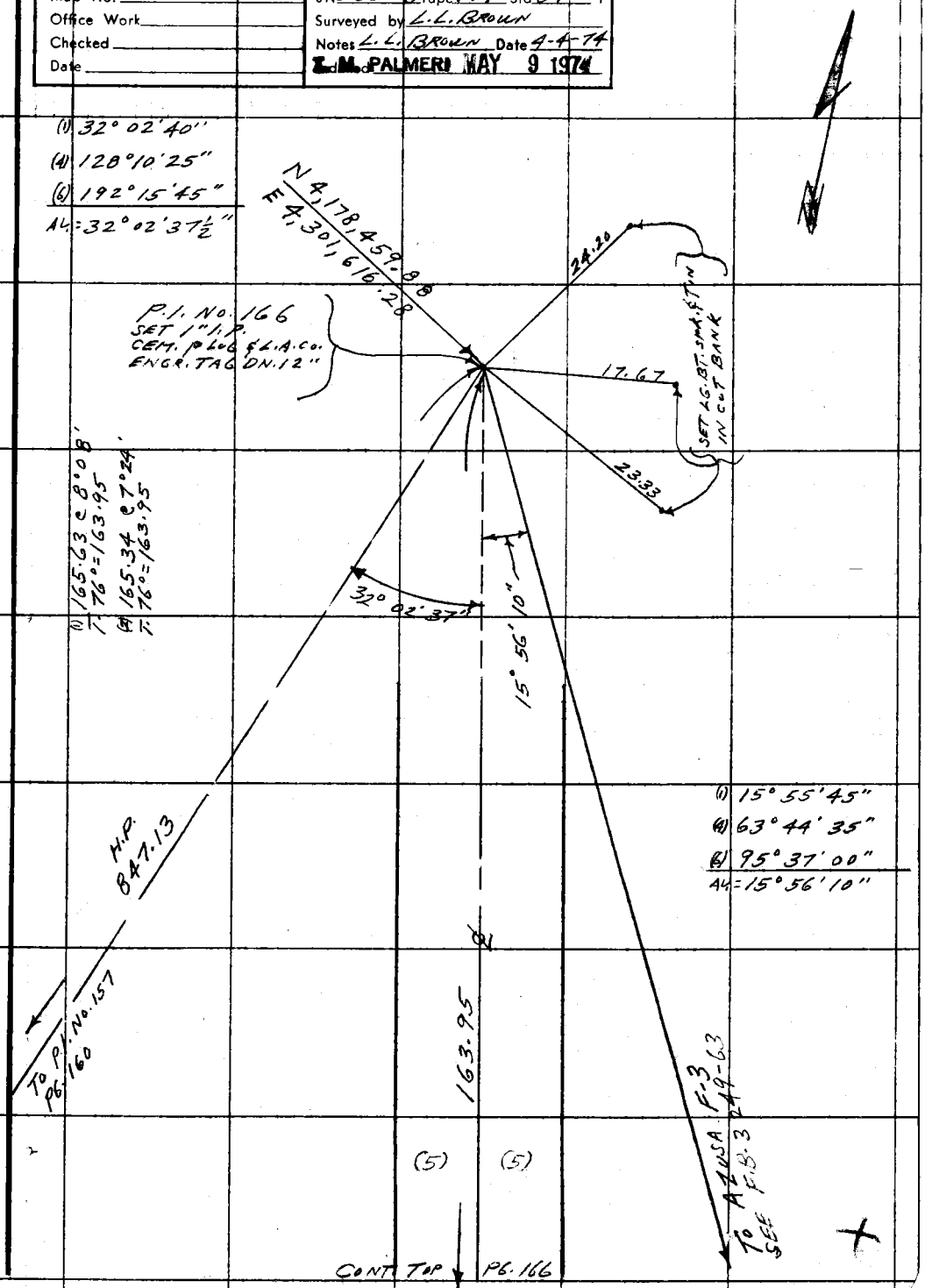
Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 167
Map No.	JN 0056.28 Tape 147 Std 84 °F	
Office Work	Surveyed by L. L. BROWN	
Checked	Notes L. L. BROWN Date 4-4-74	
Date	Checked T. M. PALMERI MAY 9 1974	



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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76F309S CE#310 3-69

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F. B. 4146 PG. 168

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

Survey of VAN TASSEL M. T. W.
JN 2056.29 Tape 149 Std 84 °F
Surveyed by L.L. BROWN
Notes L.L. BROWN Date 4-23-74
T. M. PALMER MAY 9 1974

F. B. 4146 PG. 169

VAN TASSEL MOTORWAY

GEODETIC TIES

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PARTY
BROWN, L.L.
MASSEY, R.
DOMINGUEZ, C.
FISHER, L.

76F309S CE#310 3-69

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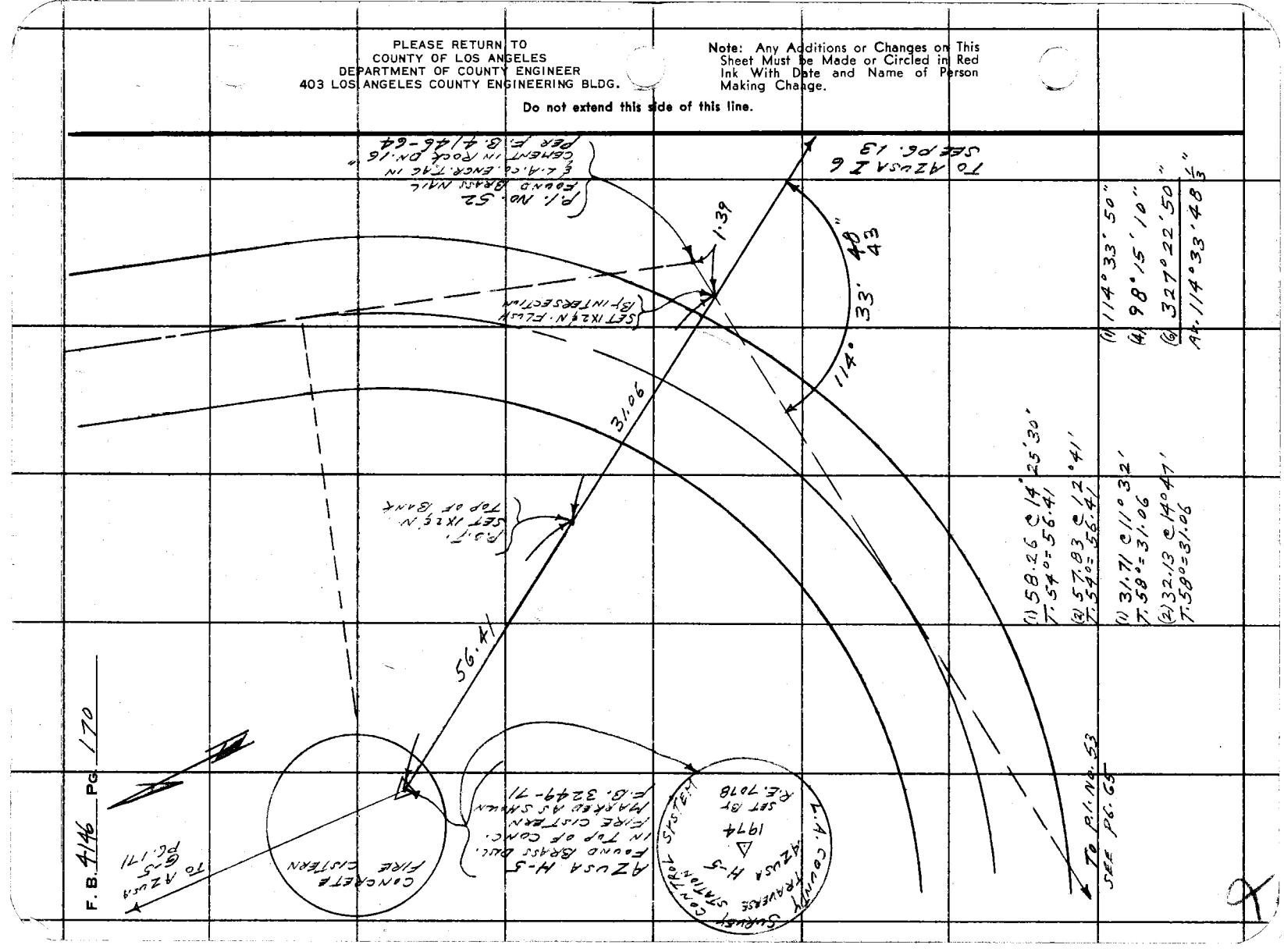
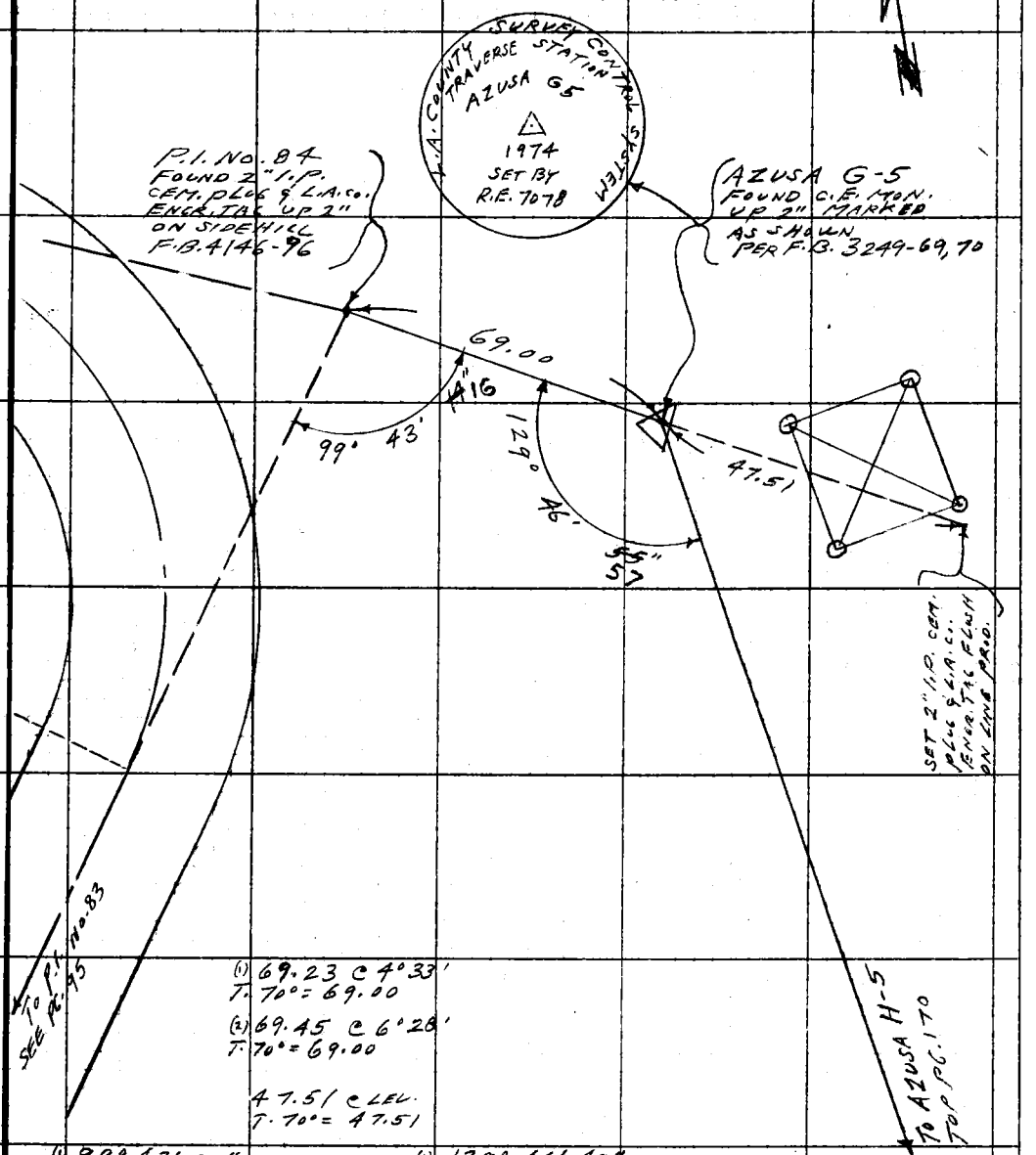


Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0058.26 Tape 149 Std 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 4-23-74
Date	T. M. PALMER MAY 9 1974

F. B. 4146 PG. 171



(1) 69.23 @ 4°33'
T. 70° = 69.00

(2) 69.45 @ 6°28'
T. 70° = 69.00

47.51 @ LEV.
T. 70° = 47.51

(1) 99° 43' 00"	(1) 129° 46' 40"
(4) 38° 52' 50"	(4) 159° 07' 40"
(6) 238° 19' 25"	(6) 58° 41' 30"
AV. = 99° 43' 14 1/6"	AV. = 129° 46' 55"

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76F309S CE#310 3-69

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BLANK

F. B. 4146 Pg. 172

Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN 0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. BROWN Date 1-28-74
Date	Tied to T. M. PALMER MAY 9 1974

F. B. 4146 PG. 173

CONT. BOTTOM PG. 174

121.95 REC.

MADE SEARCH FOR GALV. SPK. IN CONC. PER F.C. 2478-47

NOTHING FOUND AT 3' DOWN PROBABLY DESTROYED BY GRADING

SECTION 21
T1N R10W

632.16

RANCHO AZUSA DUARTE

P.O.T. FOUND 2" I.P. CEM. PLUG & BRASS NAIL DN. 6" ON BENCHED NOSE OF HILLSIDE 7' ± ABOVE TOE PER F.C. 2478-143

W

(1) 198.16 @ 2° 02'
T. 66° = 198.02
(2) 198.14 @ 1° 37'
T. 66° = 198.04
AV. = 198.03

214.97 @ LEV.
T. 66° = 214.94

198.03
219.19
214.94
TOTAL = 632.16

(1) 219.37 @ 2° 06'
T. 68° = 219.20
(2) 219.42 @ 2° 30'
T. 68° = 219.19
AV. = 219.19

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76F309S CE#310 3-69

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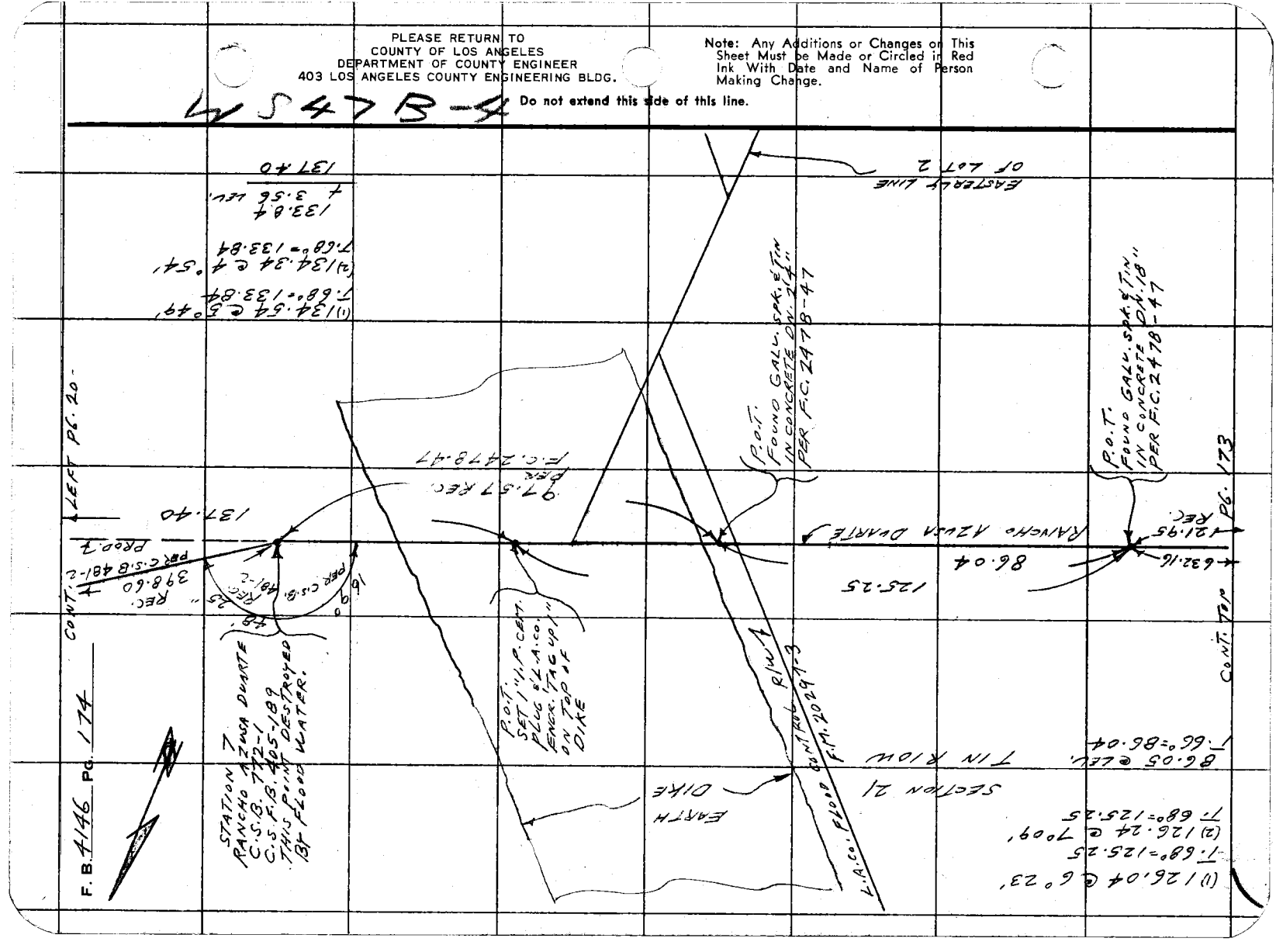
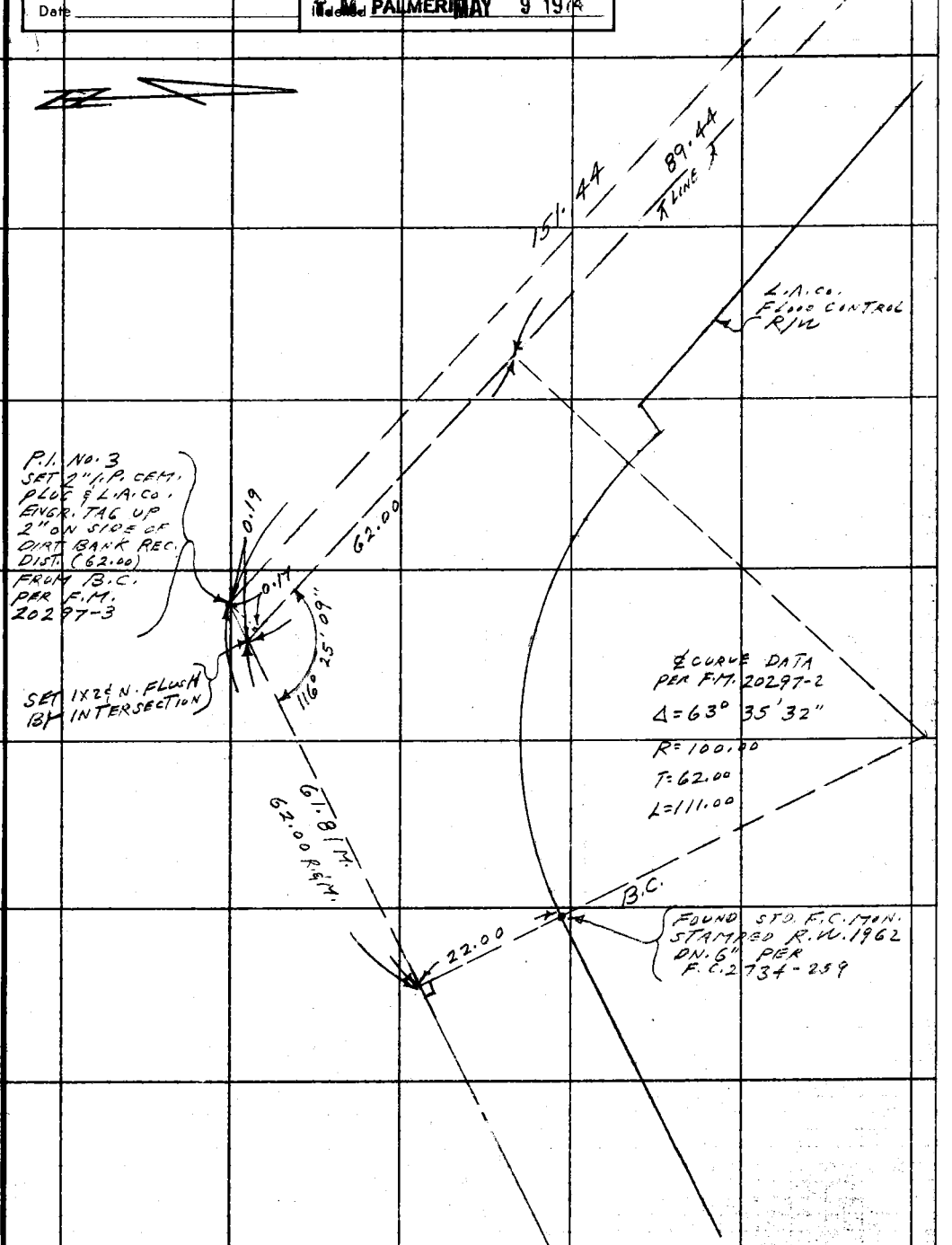
WS47B-4



Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY	F. B. 4146 PG. 175
Map No.	JN 0056.28 Tape 149 Std 84 °F	CONT. BOT. PG. 176
Office Work	Surveyed by L.L. BROWN	
Checked	Notes L.L. BROWN Date 12-11-73	
Date	Indexed T. M. PALMERI MAY 9 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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76F309S CE#310 3-69

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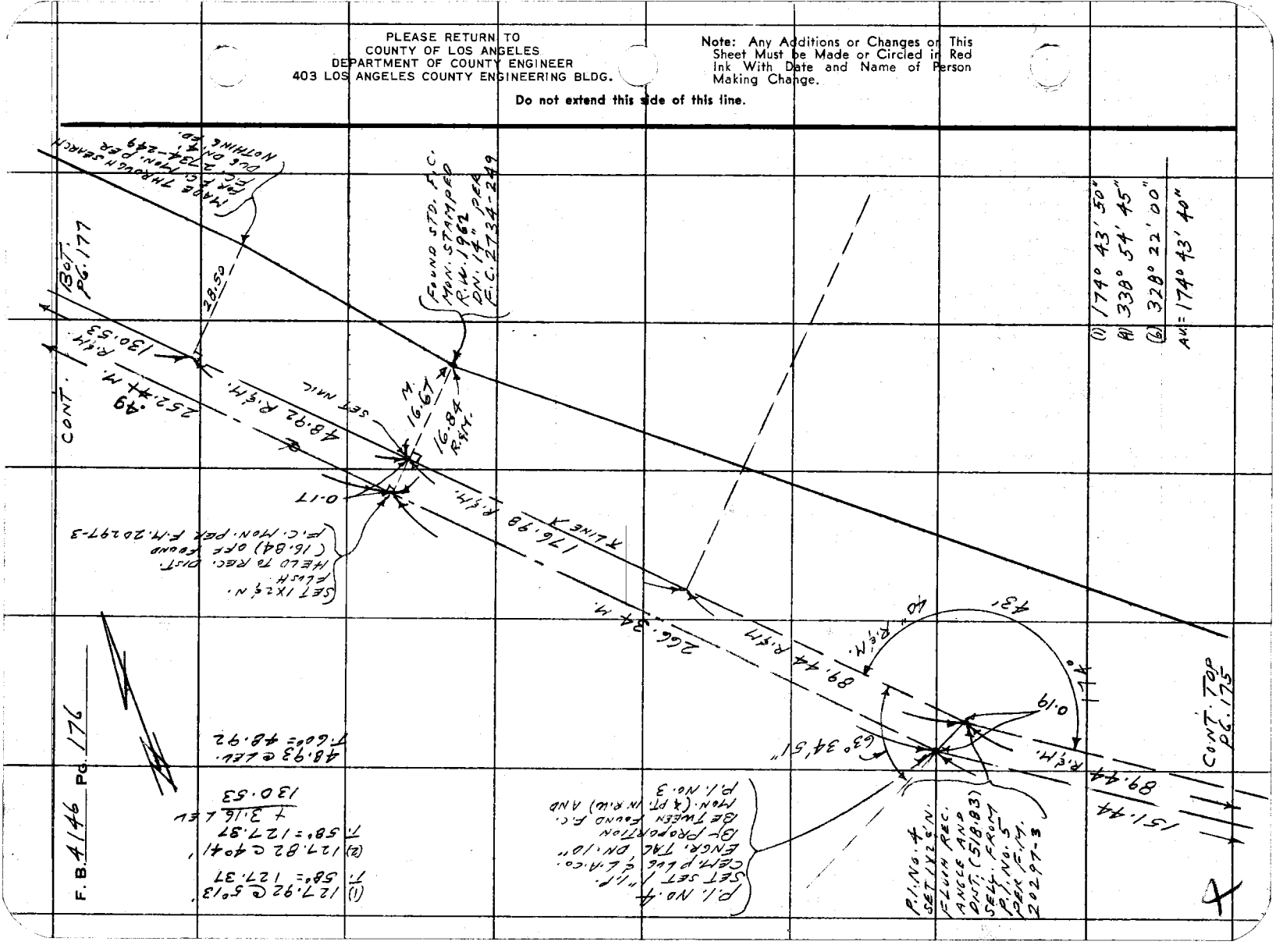
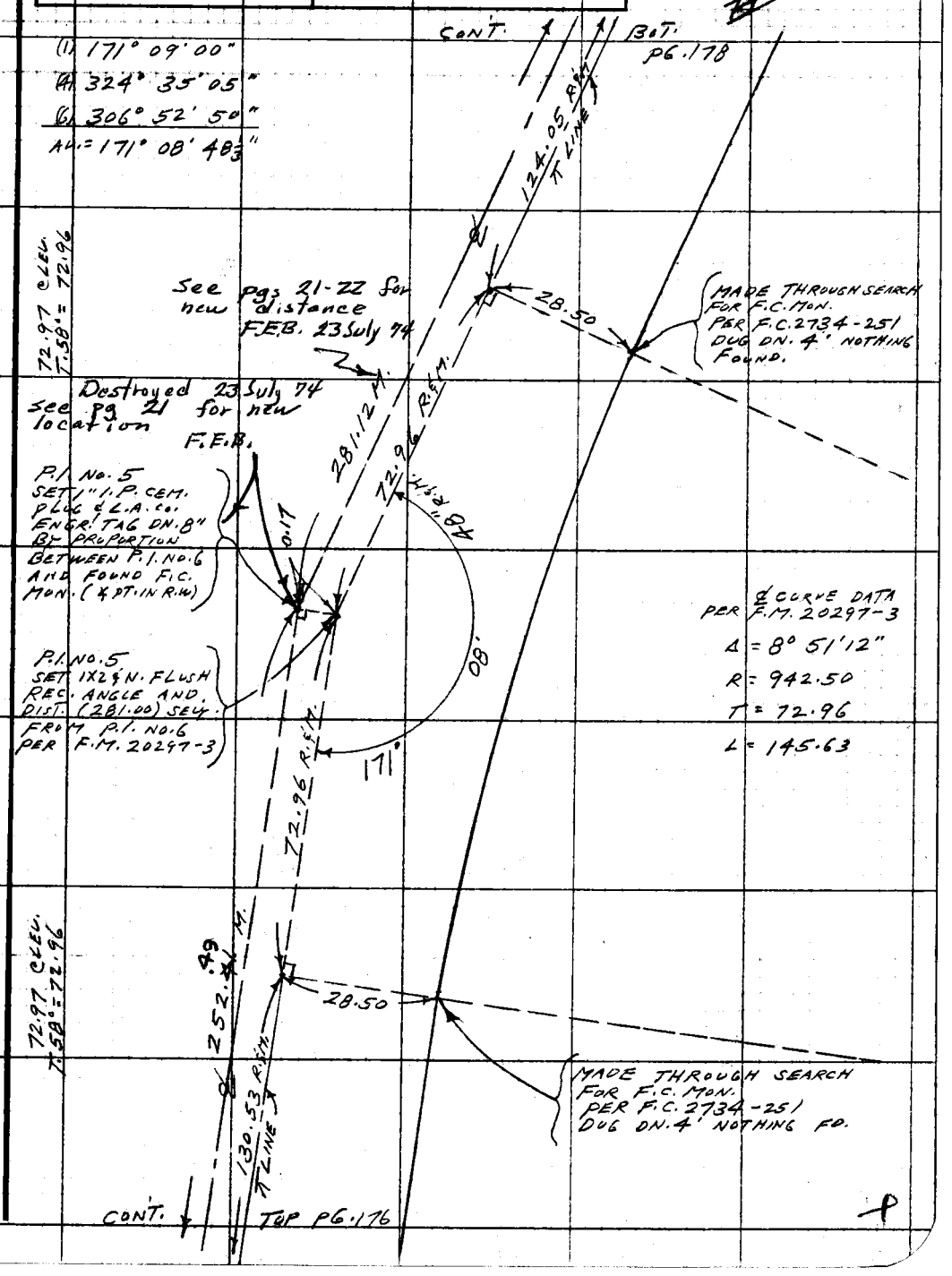


Notes Ck'd by R. BARTHOLOMEW	Survey of VAN TASSEL MOTORWAY
Map No.	JN0056.28 Tape 149 Std 84 °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 12-11-73
Date	Inspected L.M. PALMER MAY 9 1974

F.B. 4146 Pg. 177



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

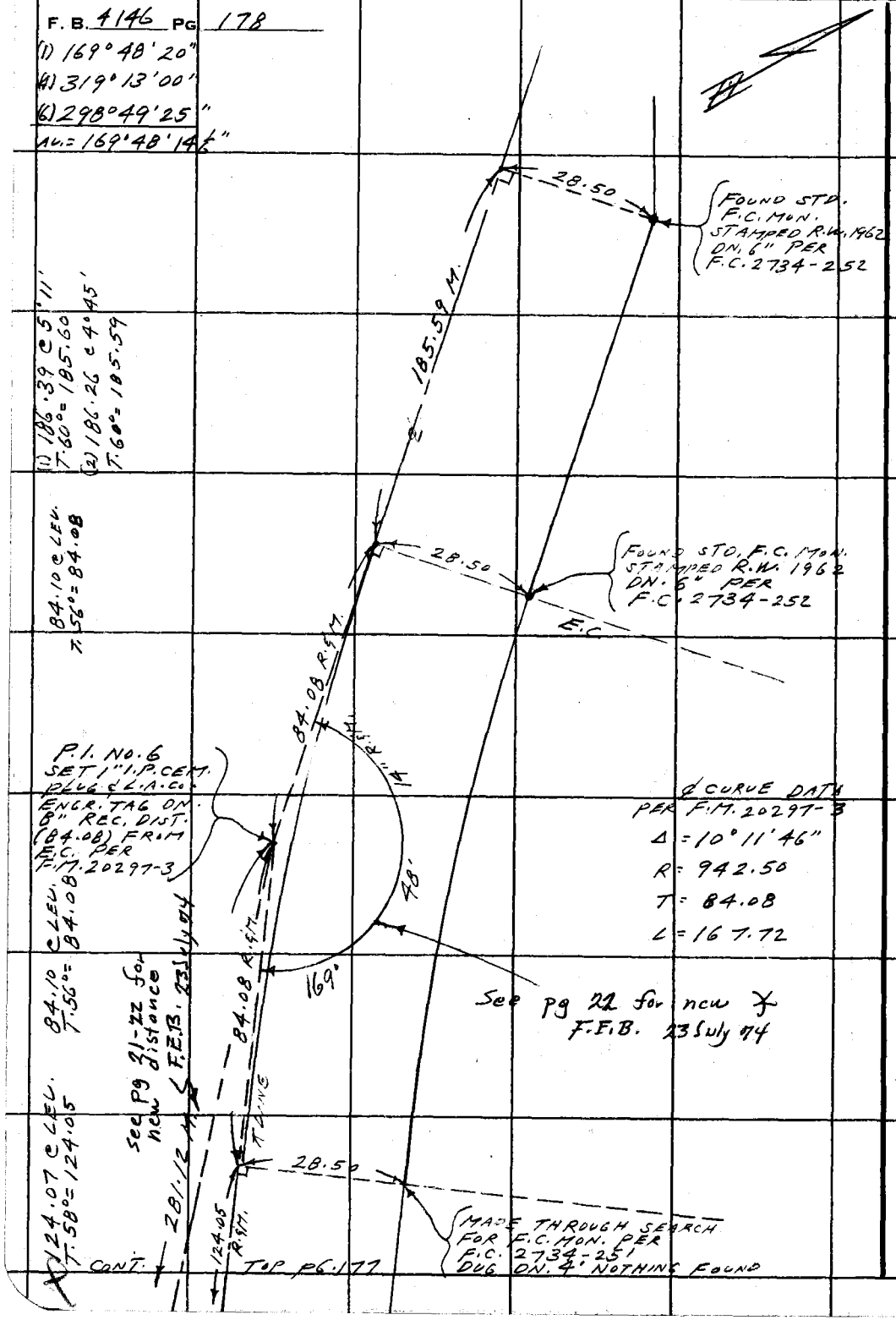
F. B. 4146 PG. 178

(1) 169°48'20"

(A) 319°13'00"

(6) 298°49'25"

Av.= 169°48'14"



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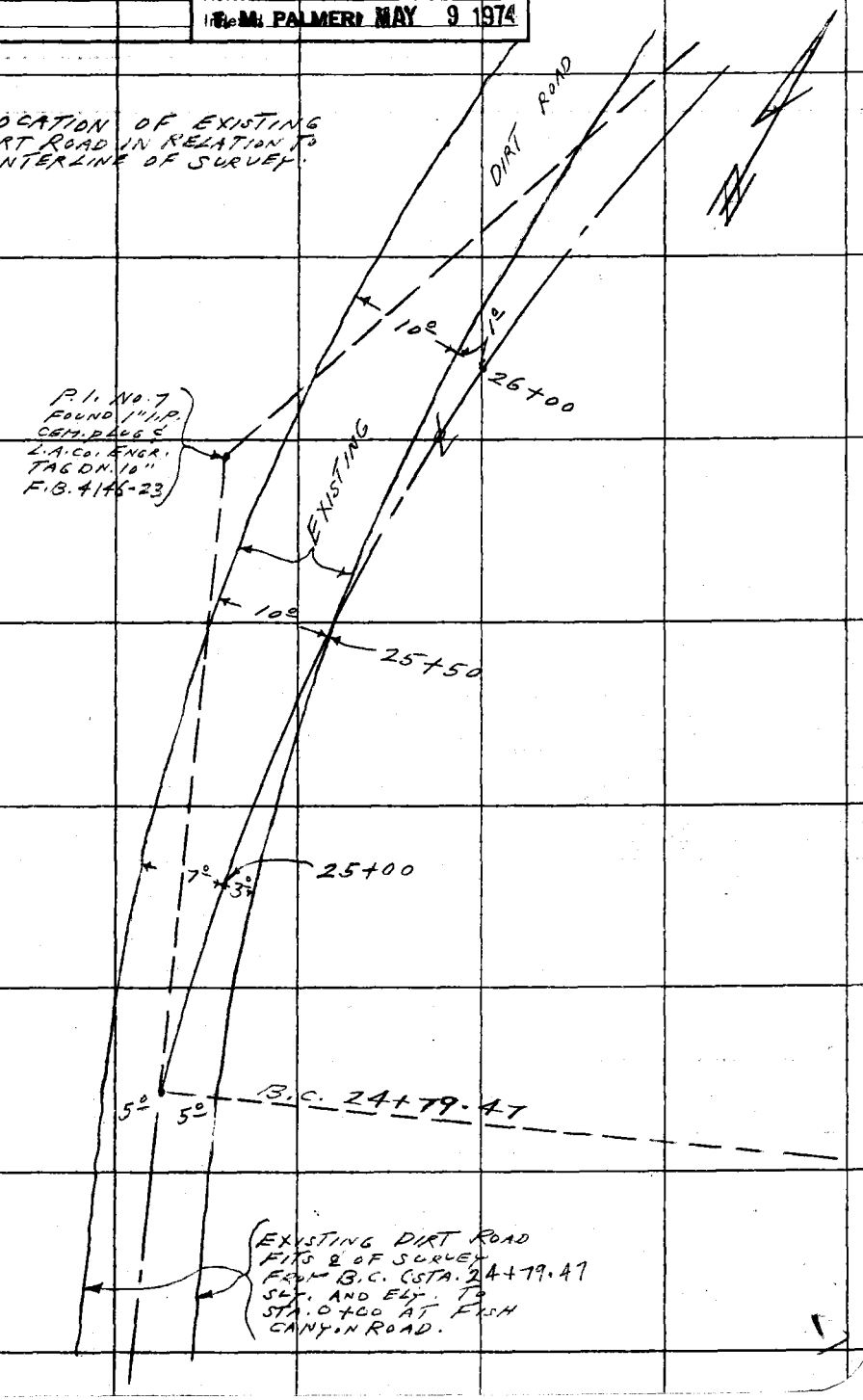
Notes Ck'd by R. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape Std °F
Surveyed by L. L. BROWN
Notes L. L. BROWN Date 4-30-74
Inked M. PALMER MAY 9 1974

F. B. 4146 Pg. 179

LOCATION OF EXISTING DIRT ROAD IN RELATION TO CENTERLINE OF SURVEY.



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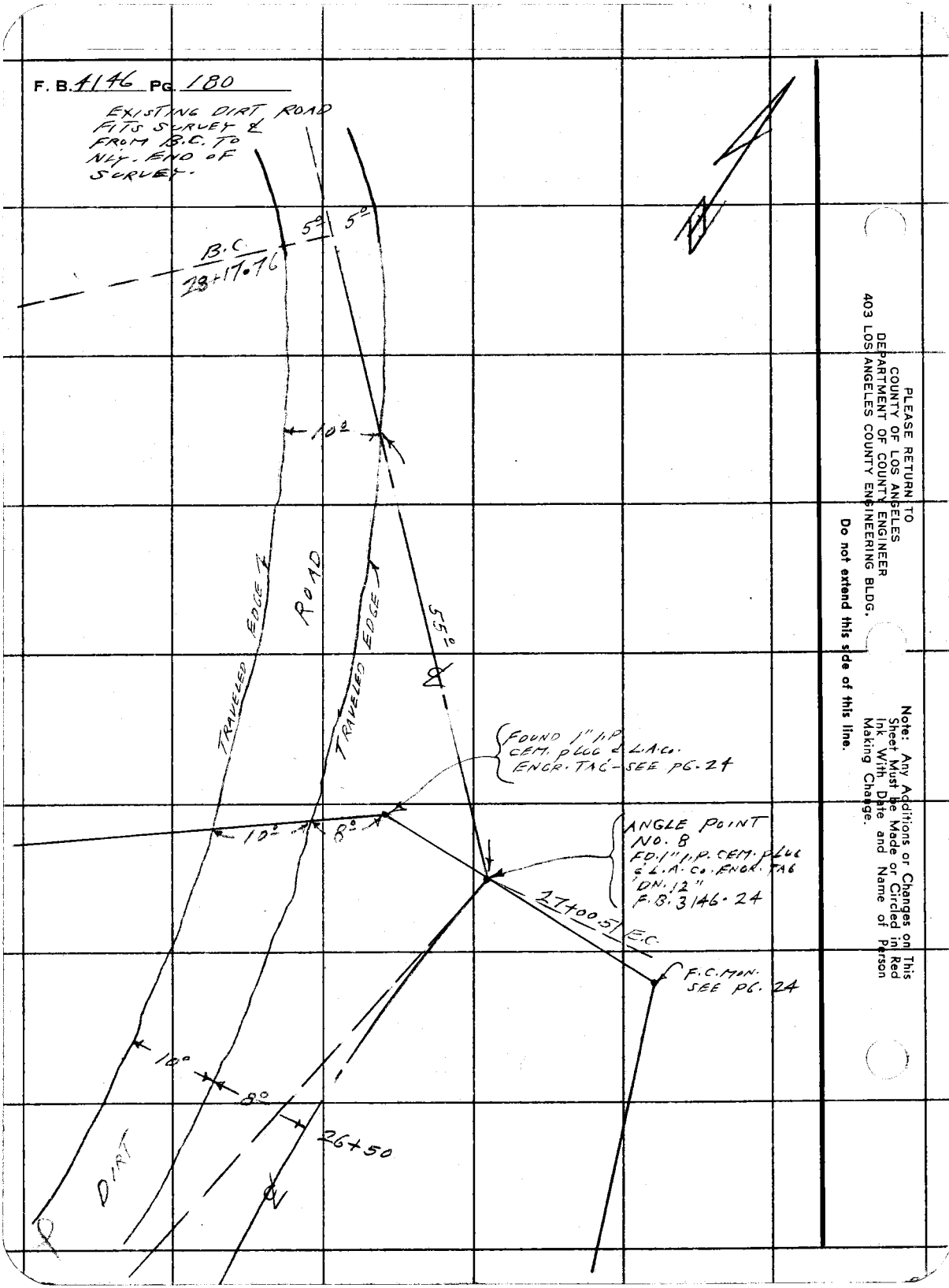
76F309s CE#310 3-69

F. B. 4146 Pg. 180



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Notes Ckd. by B. BARTHOLOMEW
Map No.
Office Work
Checked
Date

Survey of VANTASSEL MOTORWAY
JN 2056.28 Tape Std. °F
Surveyed by L.L. Brown
Notes R. MOSSOY Date 4-25-74
Index T. M. PALMERI MAY 9 1974

F. B. 4146 Pg. 181

LOCATION OF MAIN STRUCTURES ON HIXON RANCH

Note: Stationing: P.I. to P.I.

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

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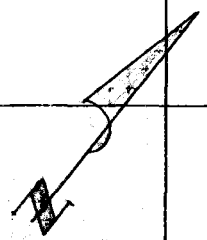
F. B. 4146 PG. 182



Pl. No. 5
F.B. 4146-21
19+48.12

171° 06' 42"

17+30
134.8
50'

40'

1 STORY
STUCCO
DWELLING

16+91
145'

16+80
142'

15'x15' conc. pillars
5' high 30"x30" conc. capping

16+71.8
11'

ENTRANCE MAIN HOUSE
DIRT DRIVE

16+65
3.9.8

2'x2' conc. pillar
5' high

Pl. No. 4
F.B. 4146-20
14+29.09

179° 43' 40"

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

Survey of VAN TASSEL MOTORWAY
JN 0056.28 Tape Std °F
Surveyed by L.L. Brown
Notes R. Massey Date 4-25-74
Checked T. M. PALMERI MAY 9 1974

F. B. 4146 Pg. 183

CONTINUED BOTTOM PAGE

24+16 ℄
76 ℓ

1 STORY STUCCO HOUSE

23+90 ℓ
85 ℄

30.0

30 ℓ

22+87 ℓ
43 ℄

P.I. No. 6
F.B. 4146-22

WOODEN STORAGE SHED

70 ℓ

22+29.21

P.I. 5
F.B. 4146-22

22+08 ℓ
51 ℓ

12 ℓ

19+48 ℓ

CONTINUED FROM TOP PAGE

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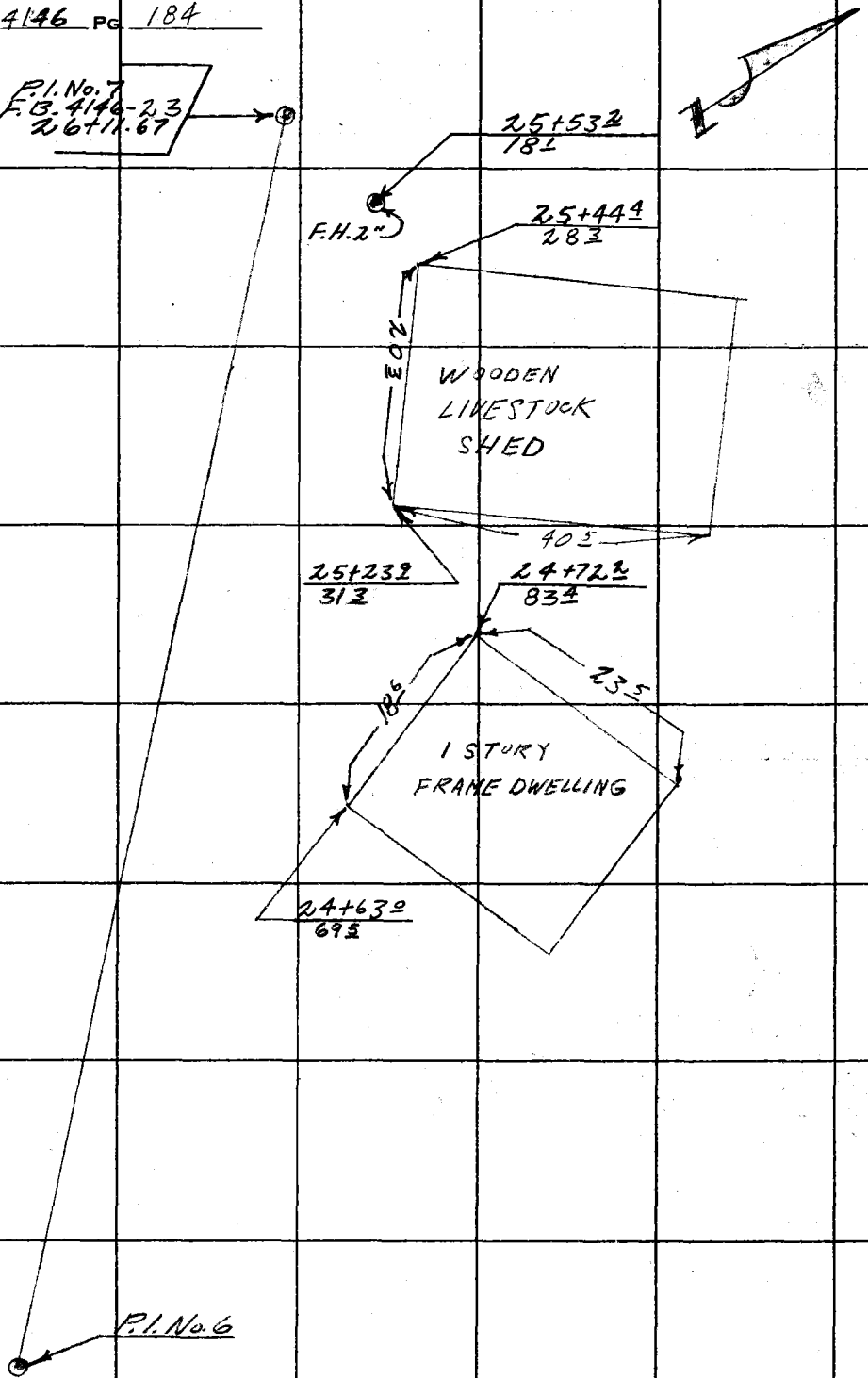
76F309s CE#310 3-68

F. B. 4146 PG. 184

P.I. No. 7
F.B. 4146-23
26+11.67



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Notes Ck'd by	Survey of SEC. 17 T. 1 N. R. 10 W. F. B. 9146 PG. 135
Map No.	JN 0302.01 Tape 415 Std. 84 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M. S. Date 9-26-74
Date	Indexed J. M. PALMER JUN 7 1974

J.N. 0302.01

SECTION 17

TOWNSHIP 1 NORTH - RANGE 10 WEST

REF: C.S. B-745-2
F.B. 1894
C.S. 9228

SOTRO
FALSEY
WEST
LYBRAND
HENDERSON

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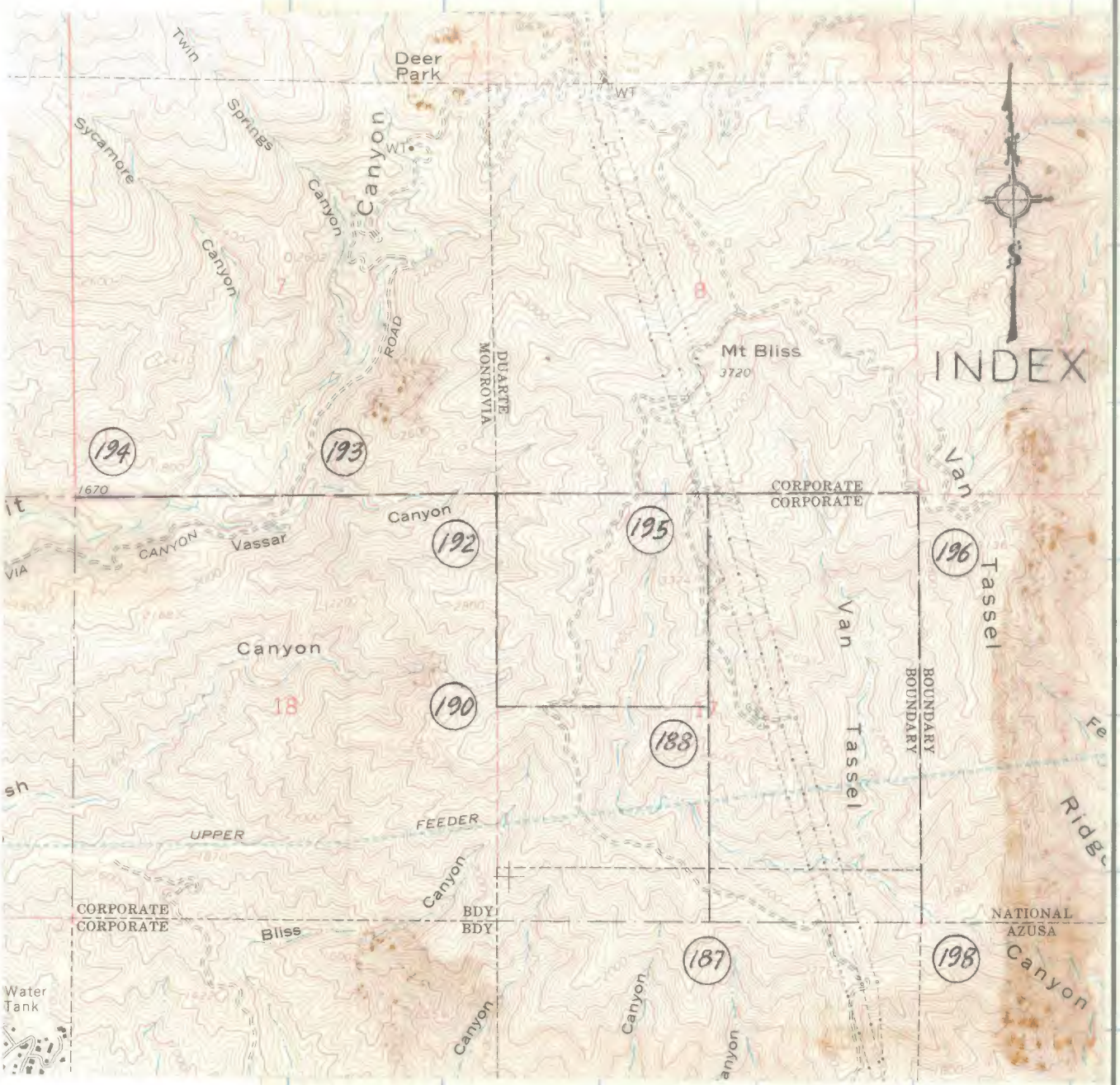
76F3095 CE#310 3-68

F. B. 4146 Pg. 186



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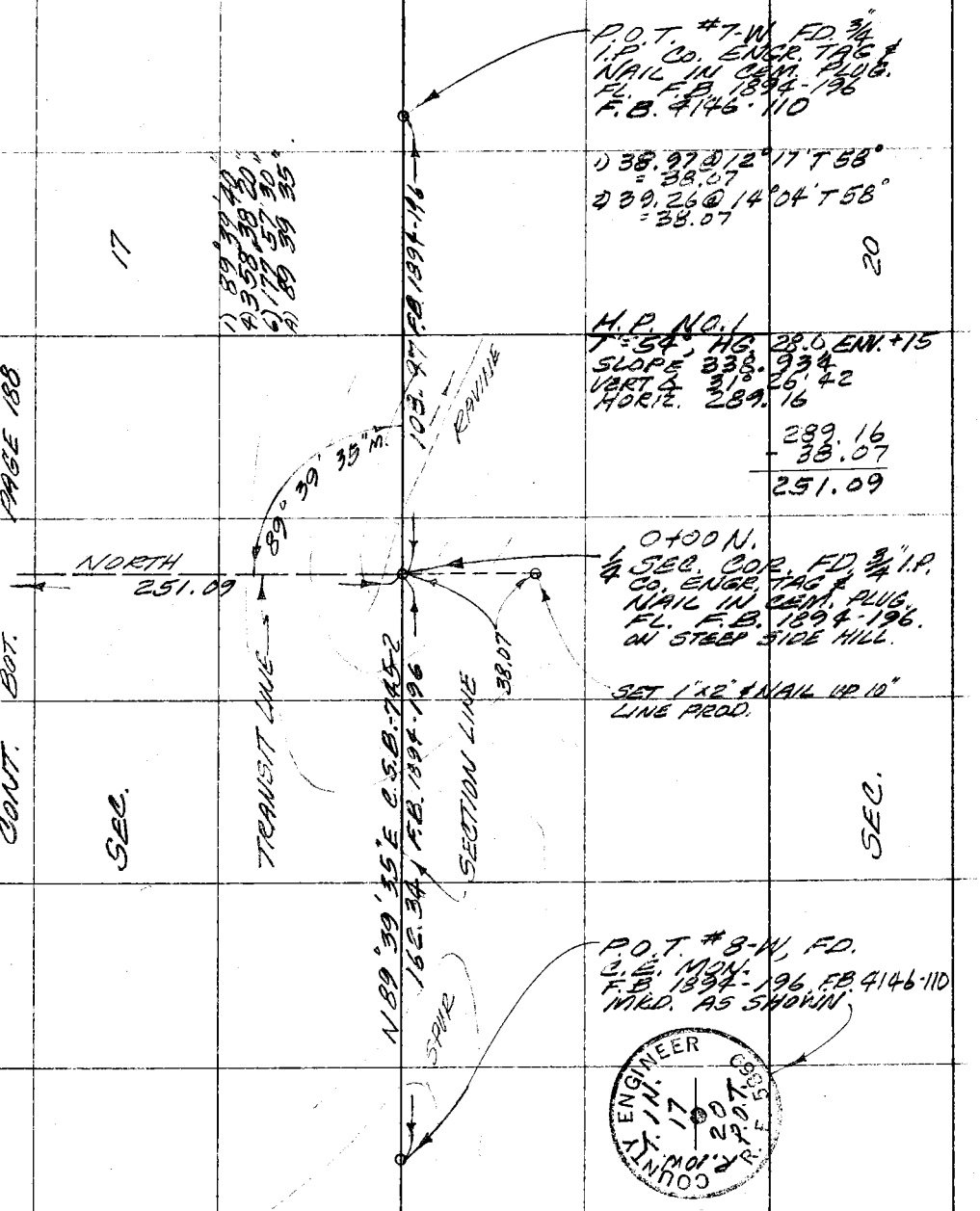
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of SEC. 17, T1N, R10W
Map No.	JN 0302.01 Tape #15 Std 84 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M.S Date 3-27-74
Date	Indexed T. M. PALMER JUN 7 1974

F. B. 4146 PG. 187

WS 13, C-4



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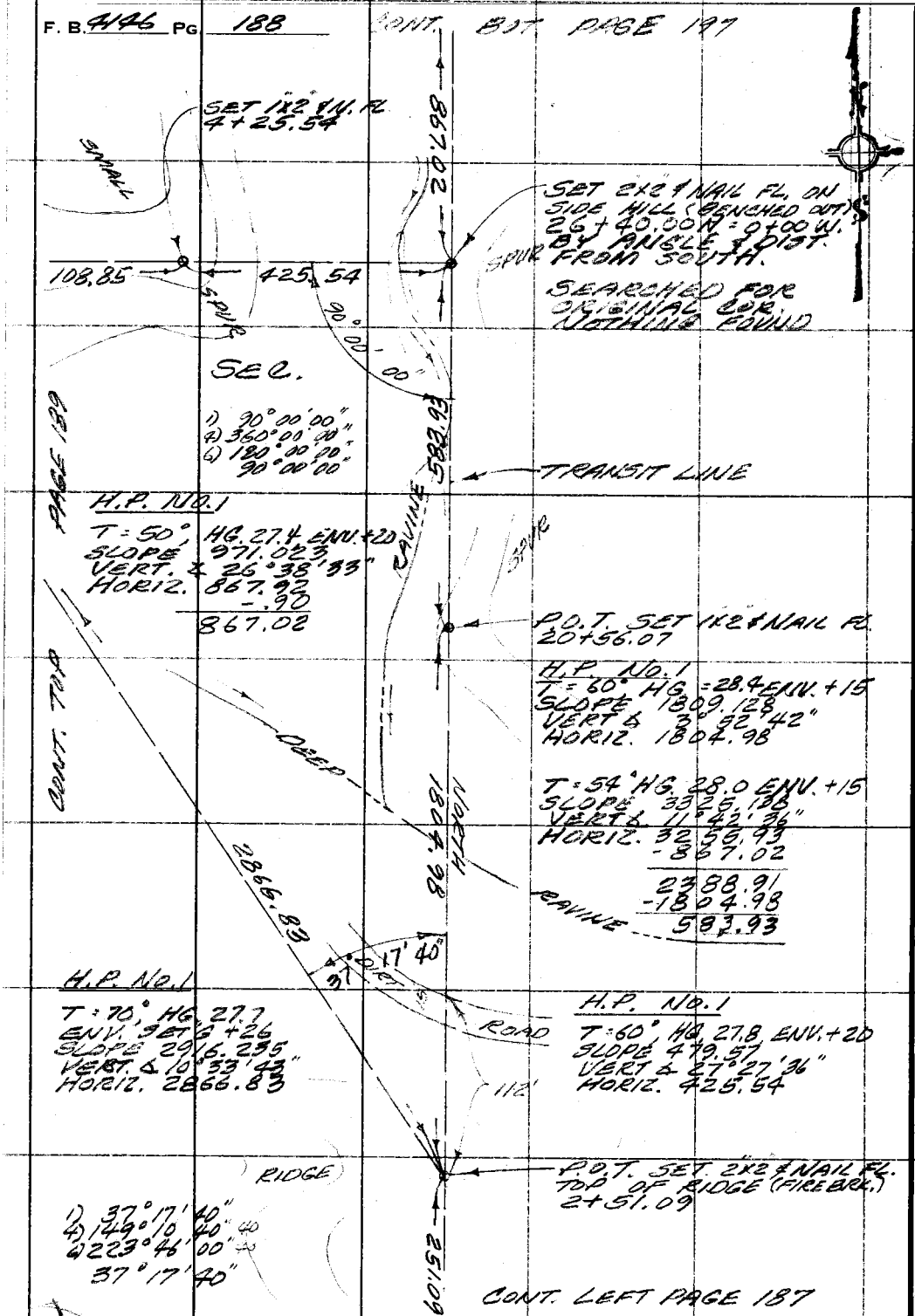
76F309S CE#310 3-68

F. B. 4146 PG 188

CONT. BOT. PAGE 197



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Notes Ck'd by	Survey of SEC. 17, T. 1N, R 10 W
Map No.	JN 0302.04 Tape #15 Std 84 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M. S. Date 4-4-74
Date	Indexed T. M. PALMERI JUN 7 1974

F. B. 1116 PG. 139

CONT. LEFT PAGE 188.

1) 114.17 @ 17°33' T 60° = 108.84
2) 114.25 @ 17°38' T 60° = 108.86
M. 108.85

RIDGE

108.85

SET 1/2" ø NAIL FL. TOP OF RIDGE 5+34.39

TRANSIT LINE

13.85 @ 0° T 68° = 13.85

1) 122.43 @ 3°08' T 68° = 122.24
2) 122.62 @ 3°51' T 68° = 122.23

SEC. 17

RAVINE

CONT. LEFT PAGE 188

WEST 1285.15

2866.83

H.P. NO. 1
T = 62°, HA 27.7
ENV. + 22
SLOPE 1286.116
VERT. + 2°13'02"
HORIZ. 1286.15

52°42'20" CALC.

R 1064

122.23

SET 2"x2" ø N. FL.

SET 1"x2" ø N. FL. TOP OF RIDGE 18+19.54

13.85

FD. 3" BRASS TABLET FL. IN SQUARE CONC. MKD. AS SHOWN.

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA 1967

RIDGE

192.58

CONT. TOP PAGE 190

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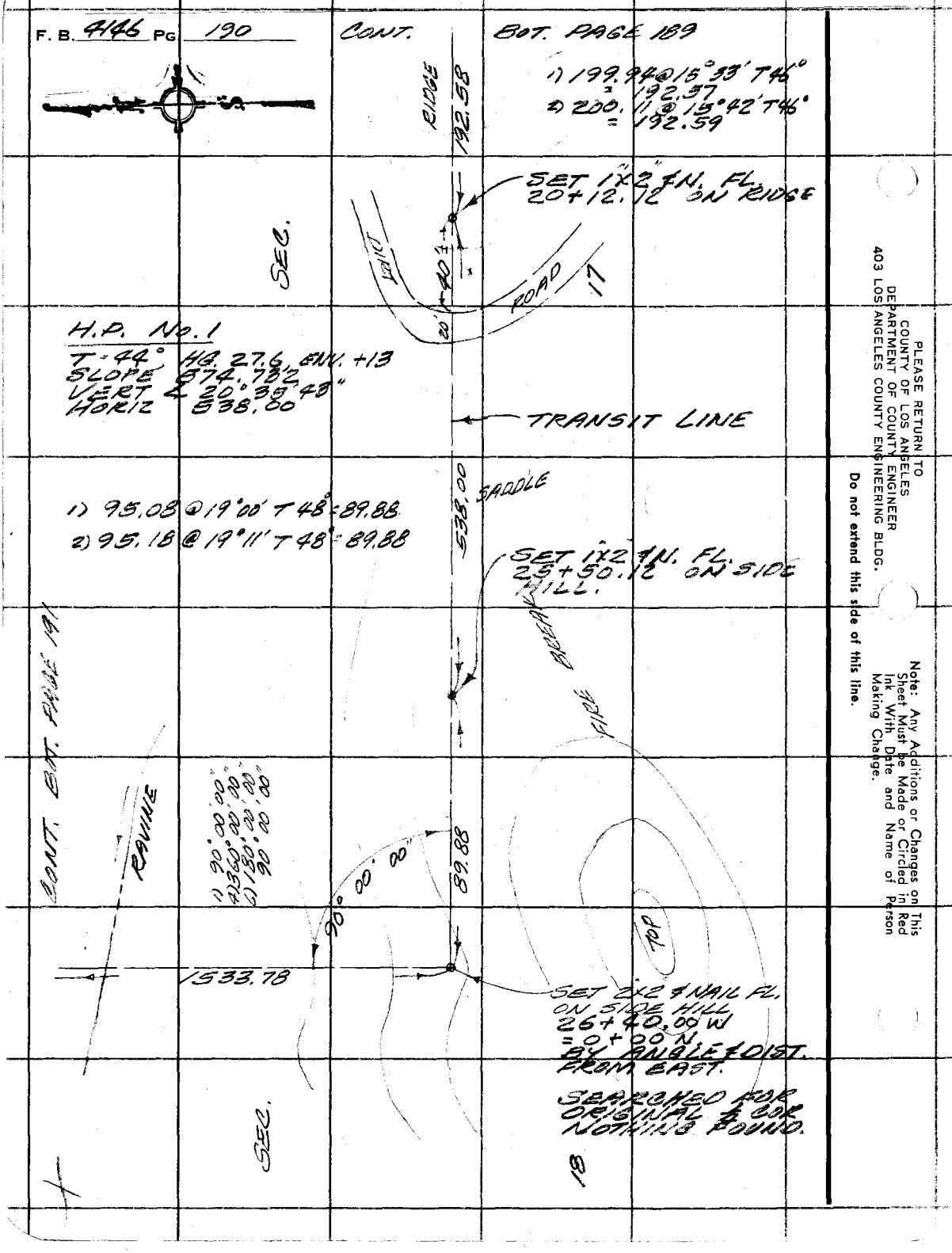
76F3095 CE#310 3-68

F. B. 4146 PG 190 CONT. BOT. PAGE 189



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Map No.	JN 0302.01 Tape #15 Std 84 °F
Office Work	Surveyed by M. SOTRO
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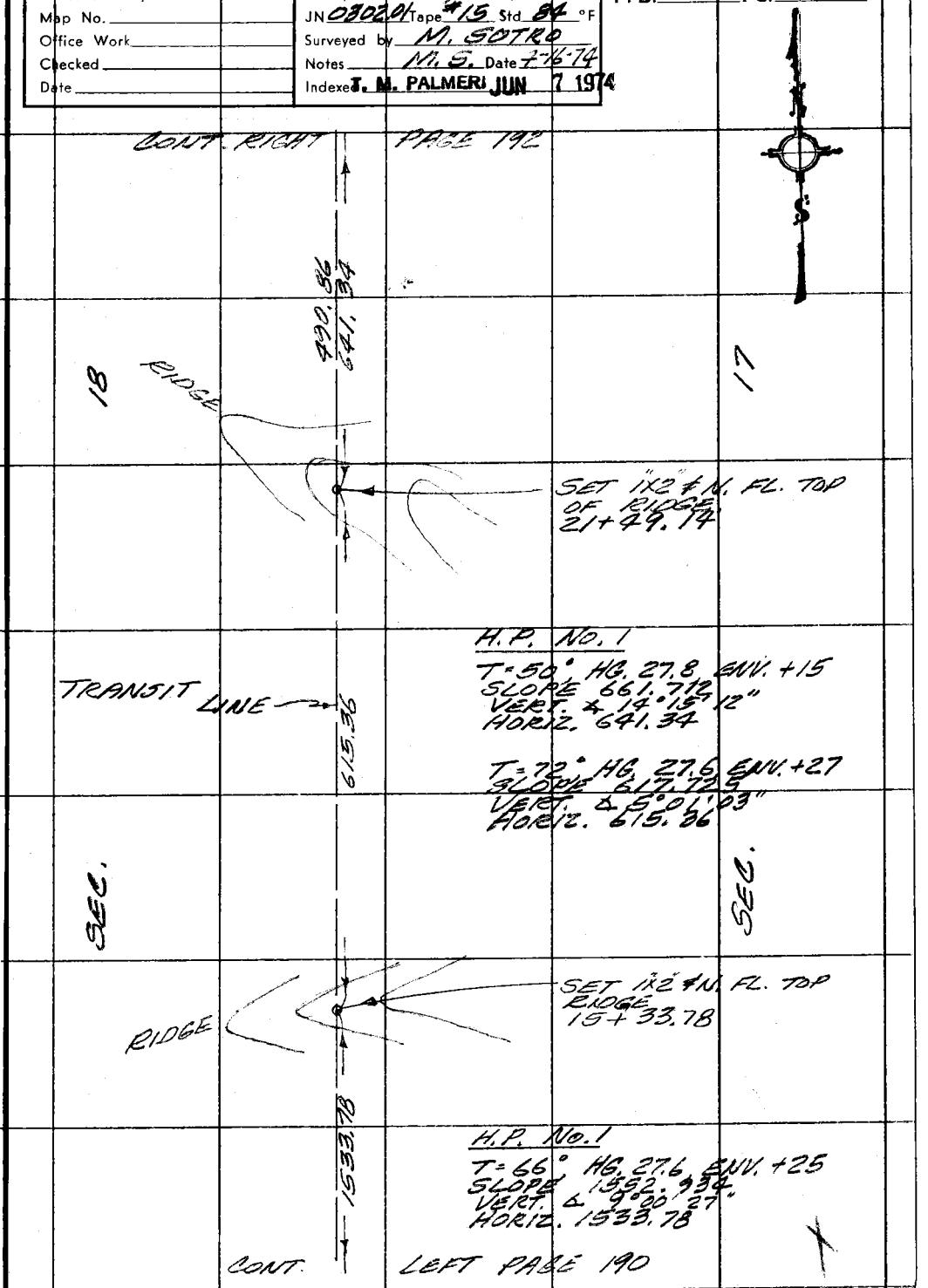
Date	Indexed T. M. PALMERI JUN 7 1974

F. B. 4146 PG. 191



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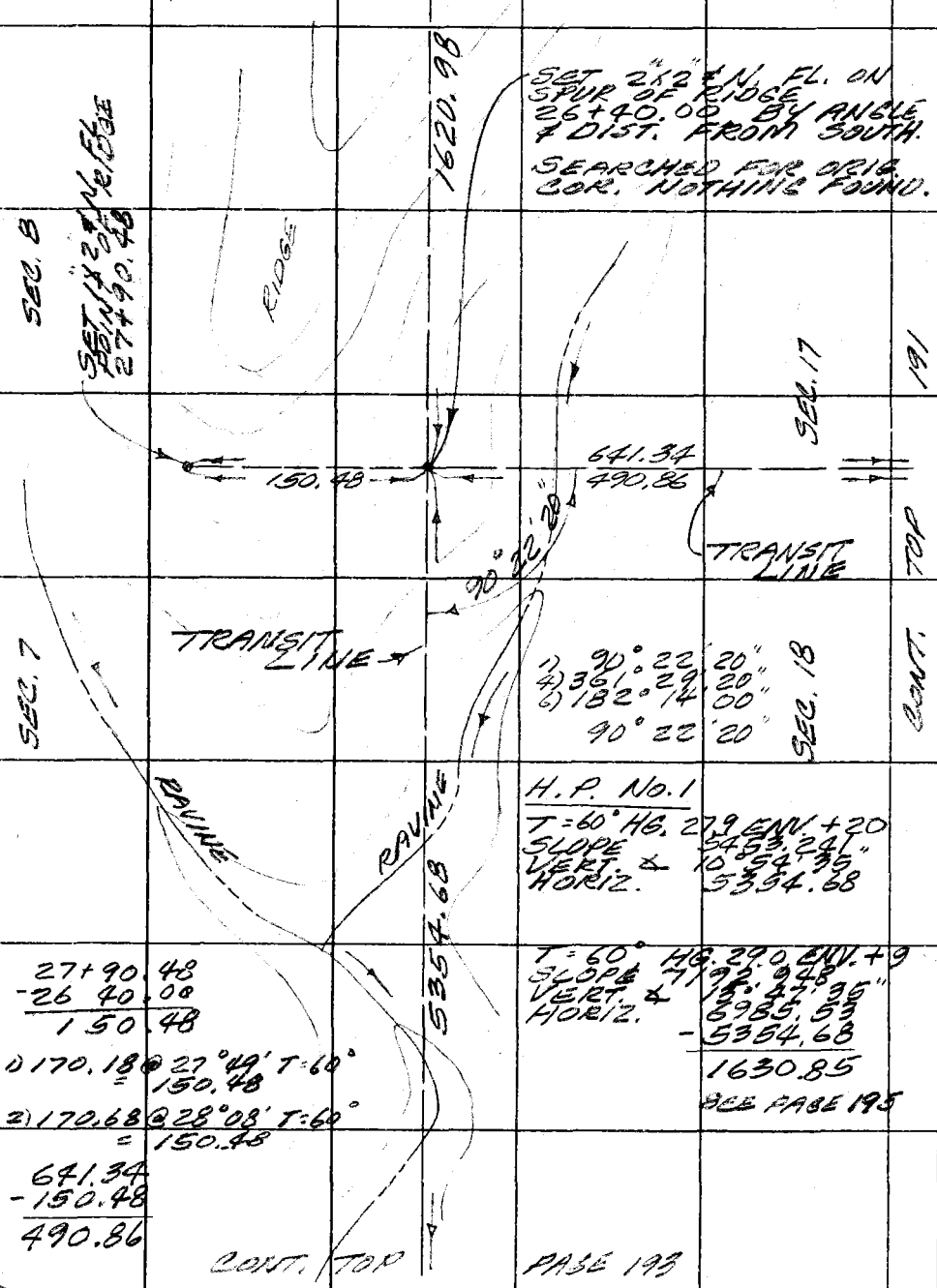
F. B. 4146 PG 192

CONT. BOT. PAGE 195



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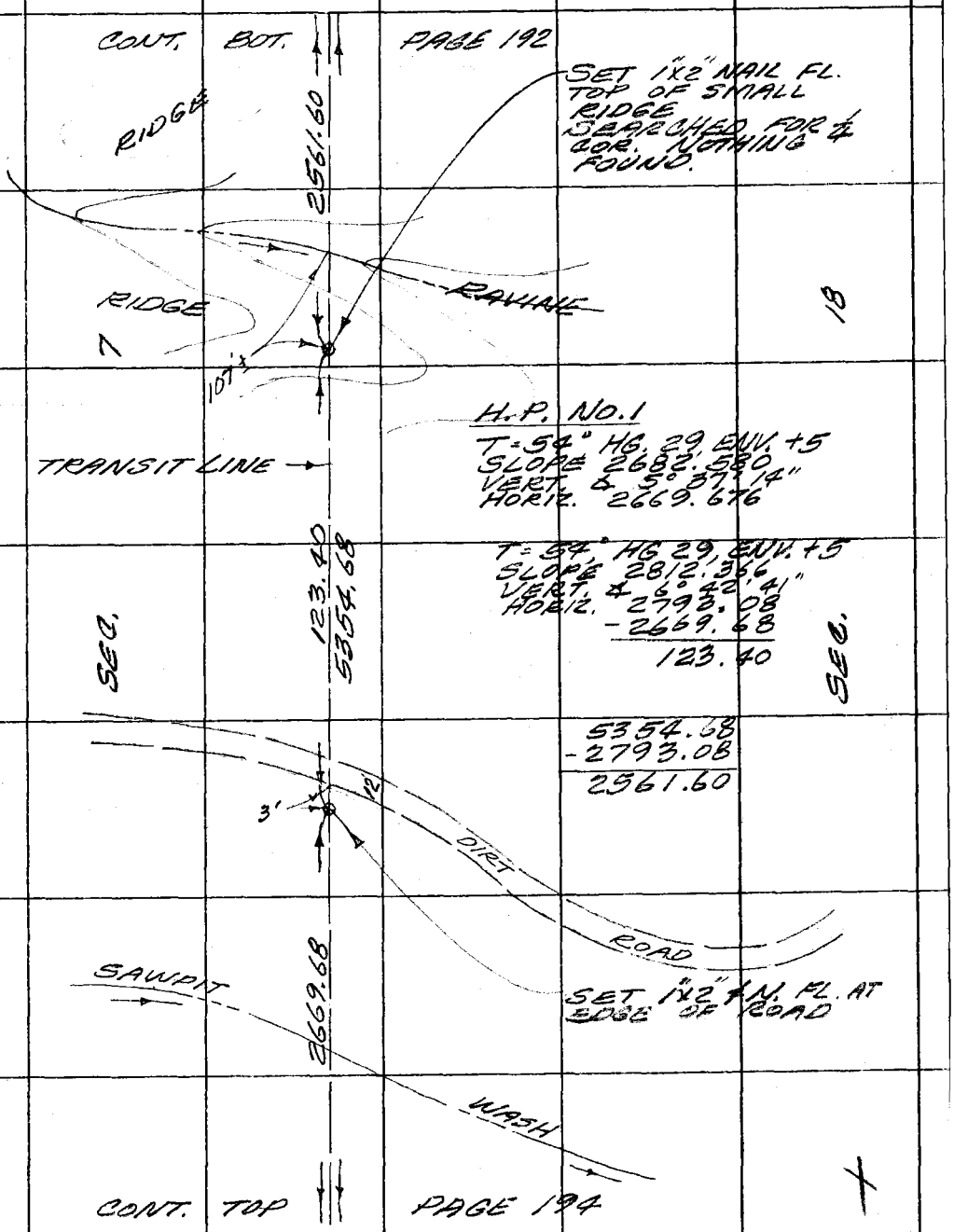
Map No.	JN 0302.01 Tape #15 Std 84 °F	
Office Work	Surveyed by M. SOTRO	
Checked	Notes M. S. Date 4-24-74	
Date	Indexed L. M. PALMER JUN 7 1974	



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F. B. 4146 PG 194

CONT. BOT. PAGE 193

MS 13 R 4

TRANSIT LINE

SEC. 7

2669.68
5354.68

SEC. 18

BOY SCOUT

CAMP

T. 1 N, R. 10 W.
T. 1 N, R. 11 W.

S 0°00'55"E C.S.B. 745.2

SECTION CORNER FD. 2" I.P. WITH BRASS CAP UP 12" IN MOUND OF ROCKS. MKD. AS SHOWN. F.B. 473-82, 91, 116.

NATIONAL FOREST BDY.

S 89°56'55"E C.S.B. 745.2

SEC. 12

SEC. 13

U.S. GENERAL LAND OFFICE SURVEY
PENALTY $250 FOR REMOVAL
T. 1 N.
R. 11 W. | R. 10 W.
S. 12 | S. 7
S. 13 | S. 18
1927

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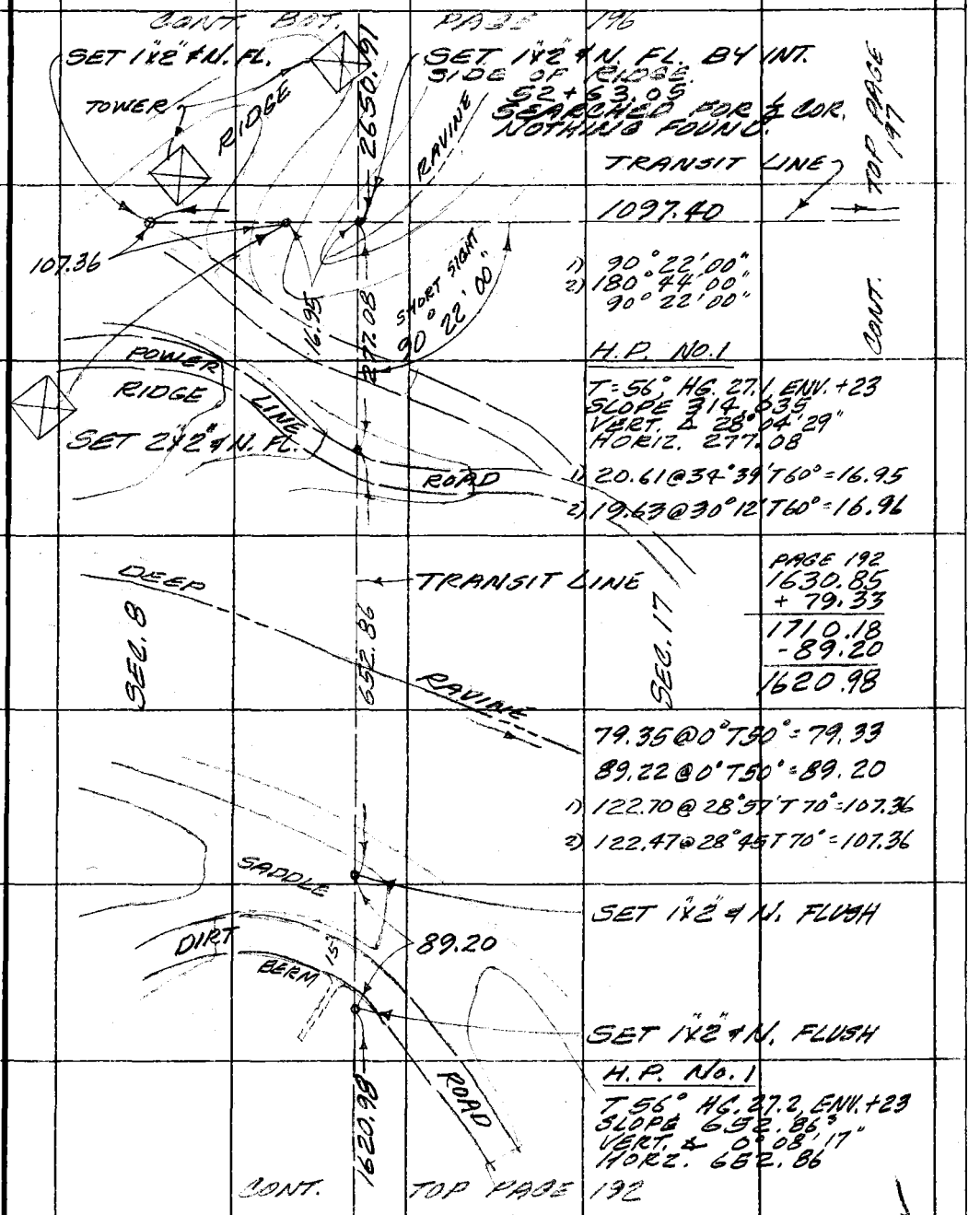
Map No.	JN 0302.01 Tape #15 Std. 84 °F
Office Work	Surveyed by M. SOTRO
Checked	Notes M.S. Date
Date	Indexed T. M. PALMER JUN 7 19

F. B. 4146 PG. 195



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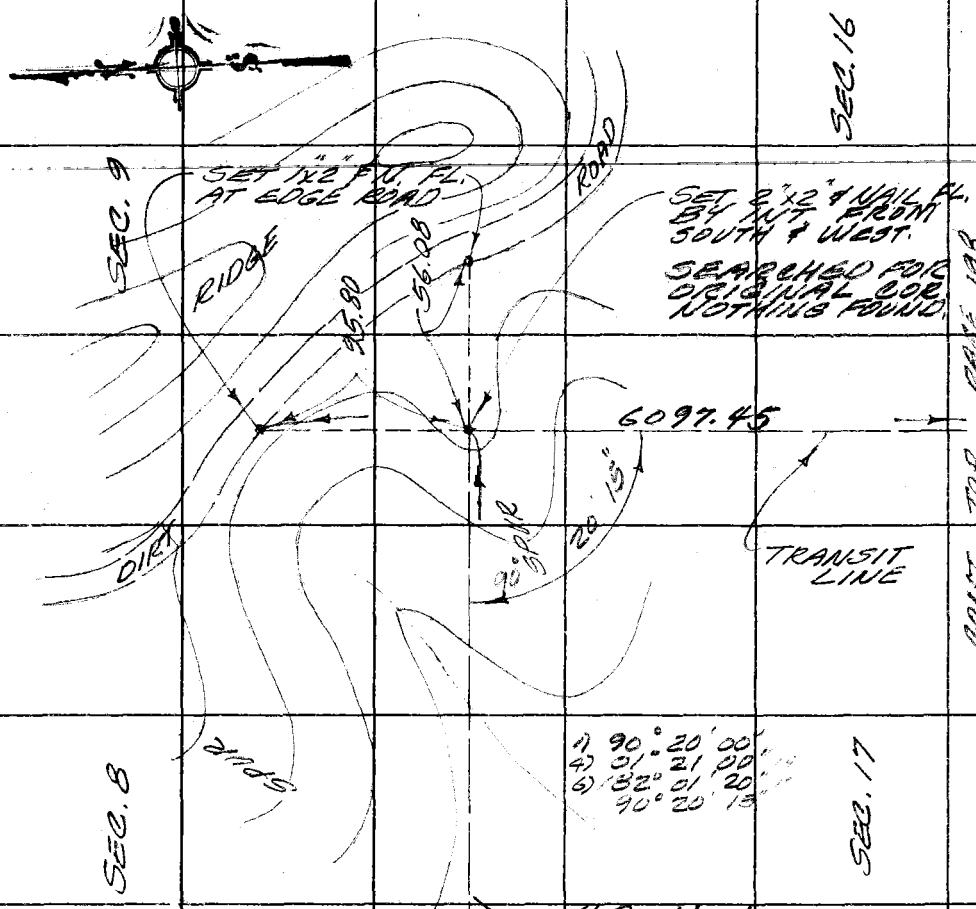
F. B. 4146 PG 196



1) 90° 20' 00"
4) 01° 21' 00"
6) 82° 01' 20"
90° 20' 15"

2650.91

TRANSIT LINE

H.P. No. 1

T 50° HG. 27.3 ENV. +20
SLOPE 2993.689
VERT. ∠ 4° 35' 39"
HORIZ. 2984.07
− 277.08
2706.99
− 56.08
2650.91

1) 97.90 @ 11° 50' T 52° = 95.80
2) 97.67 @ 11° 10' T 52° = 95.80
1) 57.23 @ 11° 28' T 52° = 56.08
2) 57.06 @ 10° 36' T 52° = 56.08

T 50° HG. 27.4 ENV. +18
SLOPE 6189.259
VERT. ∠ 9° 52' 53"
HORIZ. 6097.45

CONT. TOP PAGE 195

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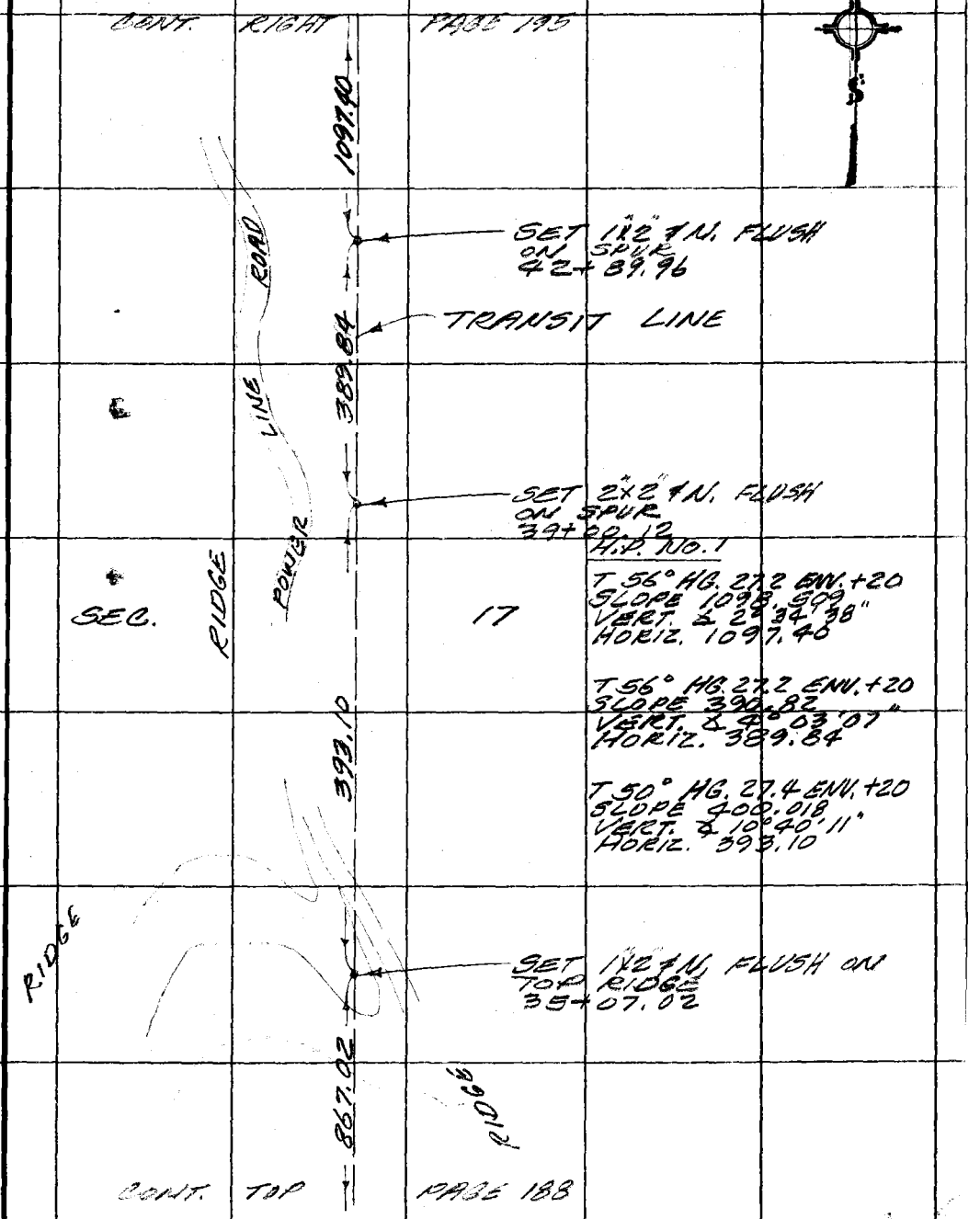
Date	Indexed T. M. PALMERI JUN 7 1974

F. B. 4146 PG. 197



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76F309S CE#310 3-68

F. B. 4146 PG 198

CONT. RIGHT PAGE 196.

SEC. 17 SEC. 16

TRANSIT LINE

6097.45

771.71 FB 1894-202

SECTION LINE

P.O.T. #3-N, FD. C.C. MON. ON L.S. TOP F.B. 1894-201, MKD. AS SHOWN. HELD FOR LINE.

COUNTY ENGINEER T. 19 N. R. 20 E. 21 P.O.T. R. E. 5869

SEC. 20 SEC. 21

2002.45 FB 4146-67

P.O.T. #2-N, FD. C.C. MON. ON L.S. E.O.C. RD. ON RIDGE F.B. 1894-201, MKD. AS SHOWN. HELD FOR LINE.

COUNTY ENGINEER T. 19 N. R. 20 E. 21 P.O.T. R. E. 5869