

12-209

Geophysical Investigations Map GP-198

Aeroradioactivity data, Texas Coastal Plain:
A supplement to Geophysical Investigations Map GP-198

By
R. M. Moxham

U. S. Geological Survey
OPEN FILE REPORT 72-264
This report is preliminary and has
not been edited or reviewed for
conformity with Geological Survey
standards or nomenclature.

1972



Aeroradioactivity data, Texas Coastal Plain:
a supplement to Geophysical Investigations
Map GP-198

by

R. M. Moxham

An airborne radioactivity and geologic map of the Coastal Plain, southeast Texas was compiled by Moxham and Eargle (1961). The area surveyed for this project extended from the Edwards Plateau on the northwest to the Gulf of Mexico on the southeast. The published map covered only the area which at that time seemed most likely to be involved in uranium exploration, though the flight lines extended beyond the limits of the published map. As indicated on the index map of GP-198, lines spaced about one mile apart extend northwestward several miles from the Balcones fault zone; lines spaced at 6 mile intervals extend for several tens of miles over mainly Pleistocene and Holocene deposits on the southeast.

In view of the recently increased uranium production and exploration in Coastal Plain it was thought appropriate to make available the previously unpublished radiometric profiles mentioned above. To do this at minimum expense to all concerned the accompanying maps and profile are copied from compilation manuscripts.

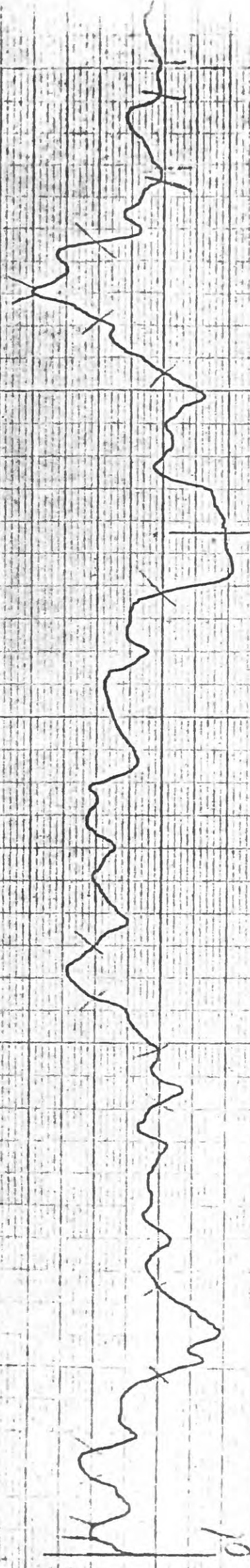
The maps show the flight line locations with numbered check points (circles and X's) that are also identified on the radiometric profiles.

Maps covering the northwestern parts of the lines are numbered 1 through 8, from north to south; those covering the southeast area are numbered 9 - 11 from north to south.

The character of the radioactivity measurements, the equipment used and the data reduction method are fully described in GP-198.

Reference

Moxham, R. M., and Eargle, D. H., 1961, Airborne radioactivity and geologic map of the Coastal Plain area, southeast Texas: U. S. Geol. Survey Geophys. Invest. Map GP-198.



L-526 N.W.

97363

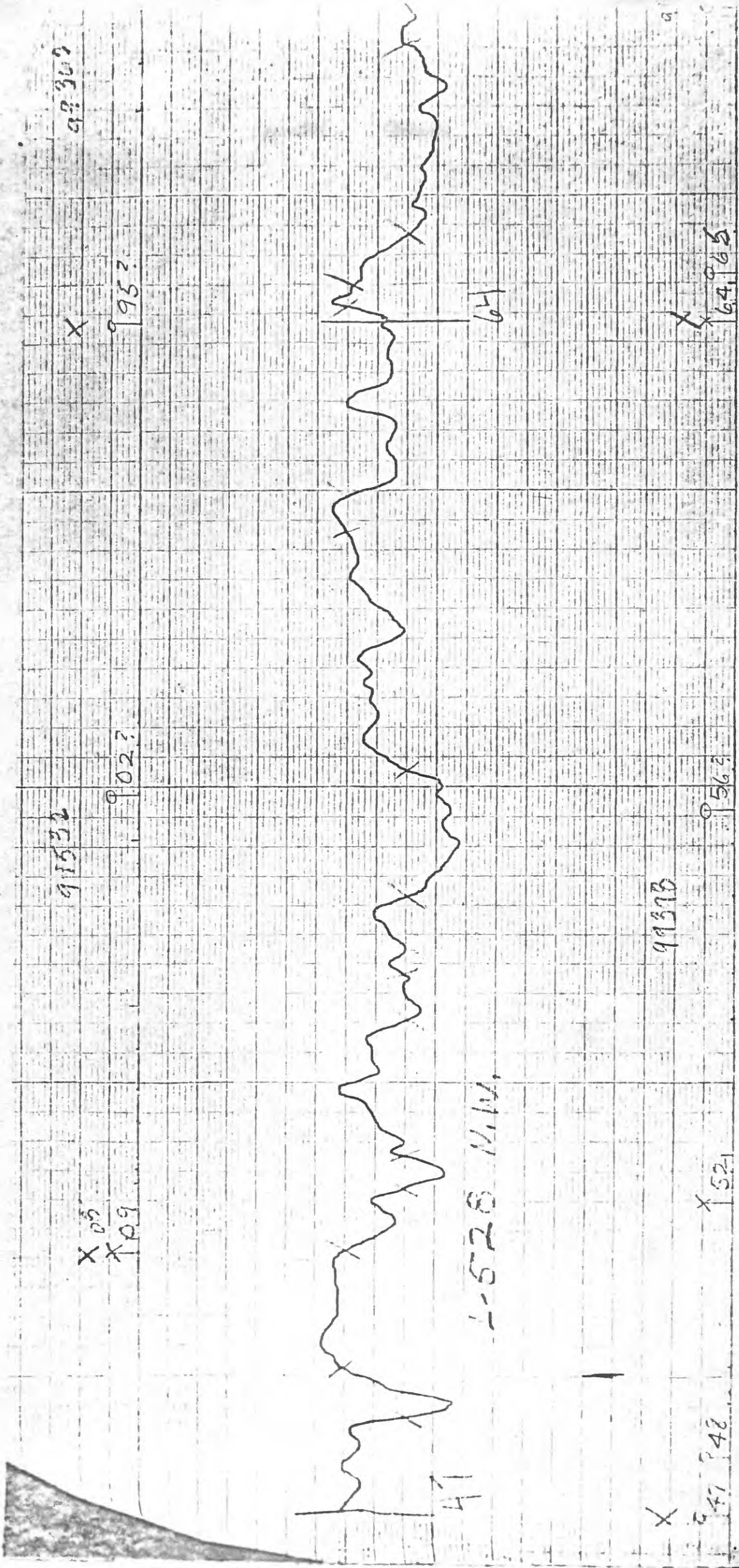
X

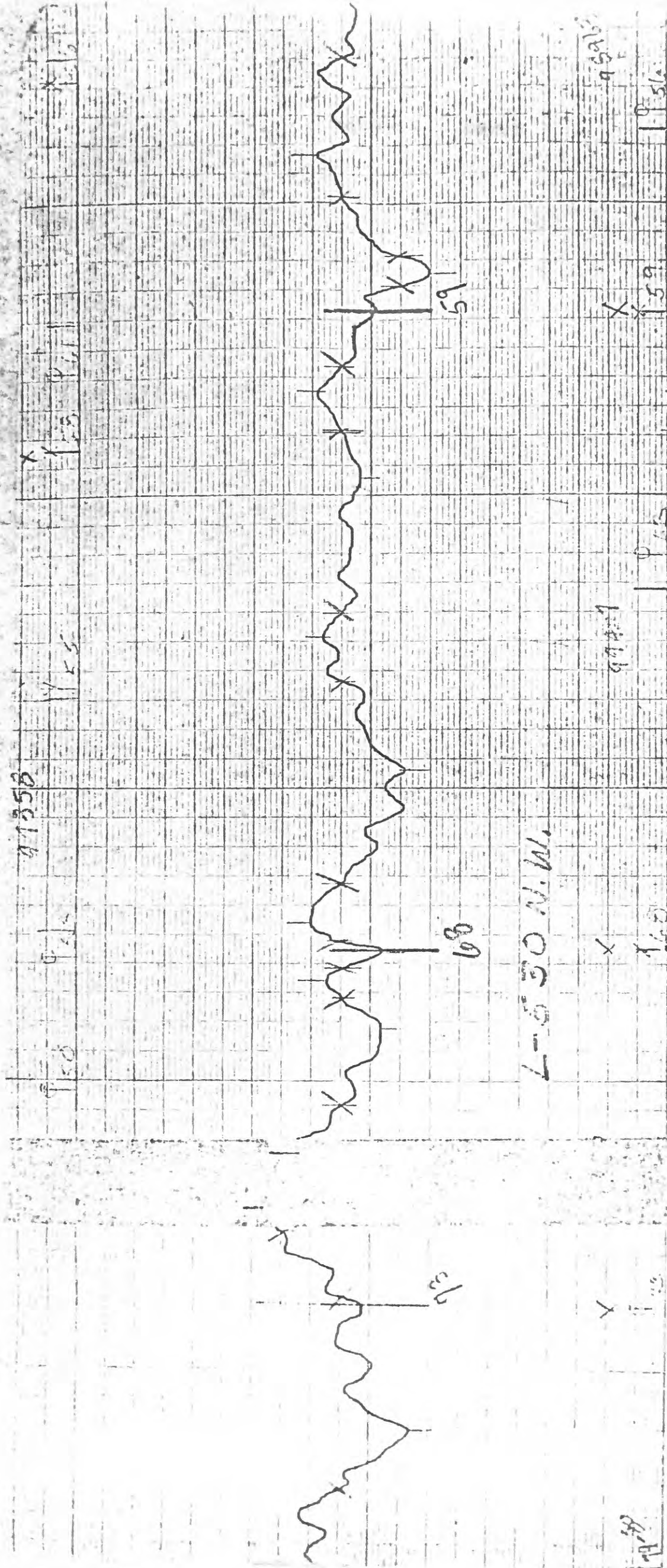
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PROFILE PLATE AL 4 X 20.
TRACE BY MARK

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L-532
N.W.

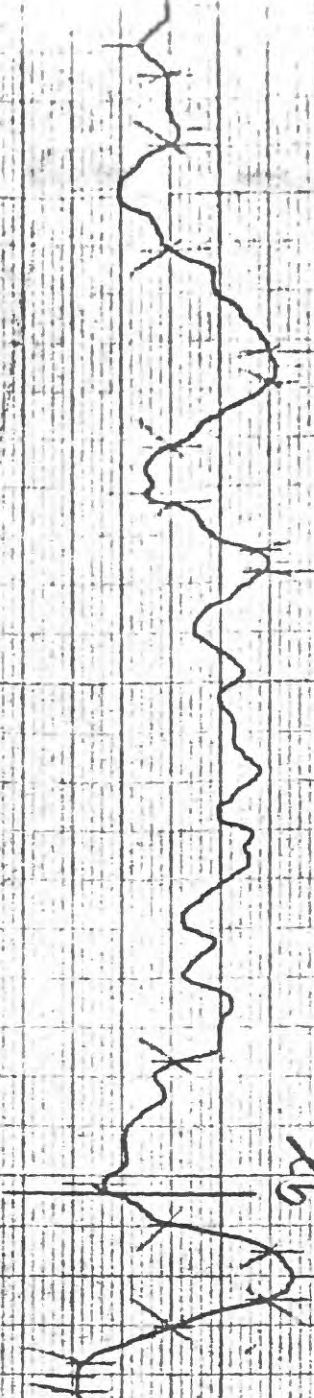
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91232

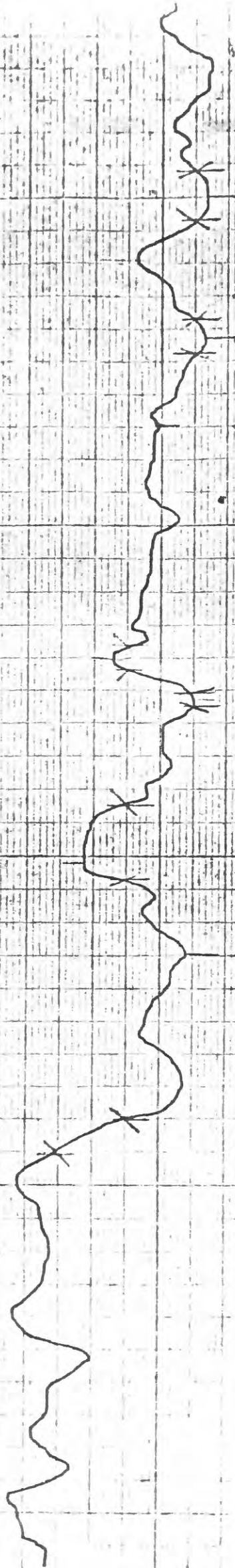
x 92

99416

976

RD. PRIORITY



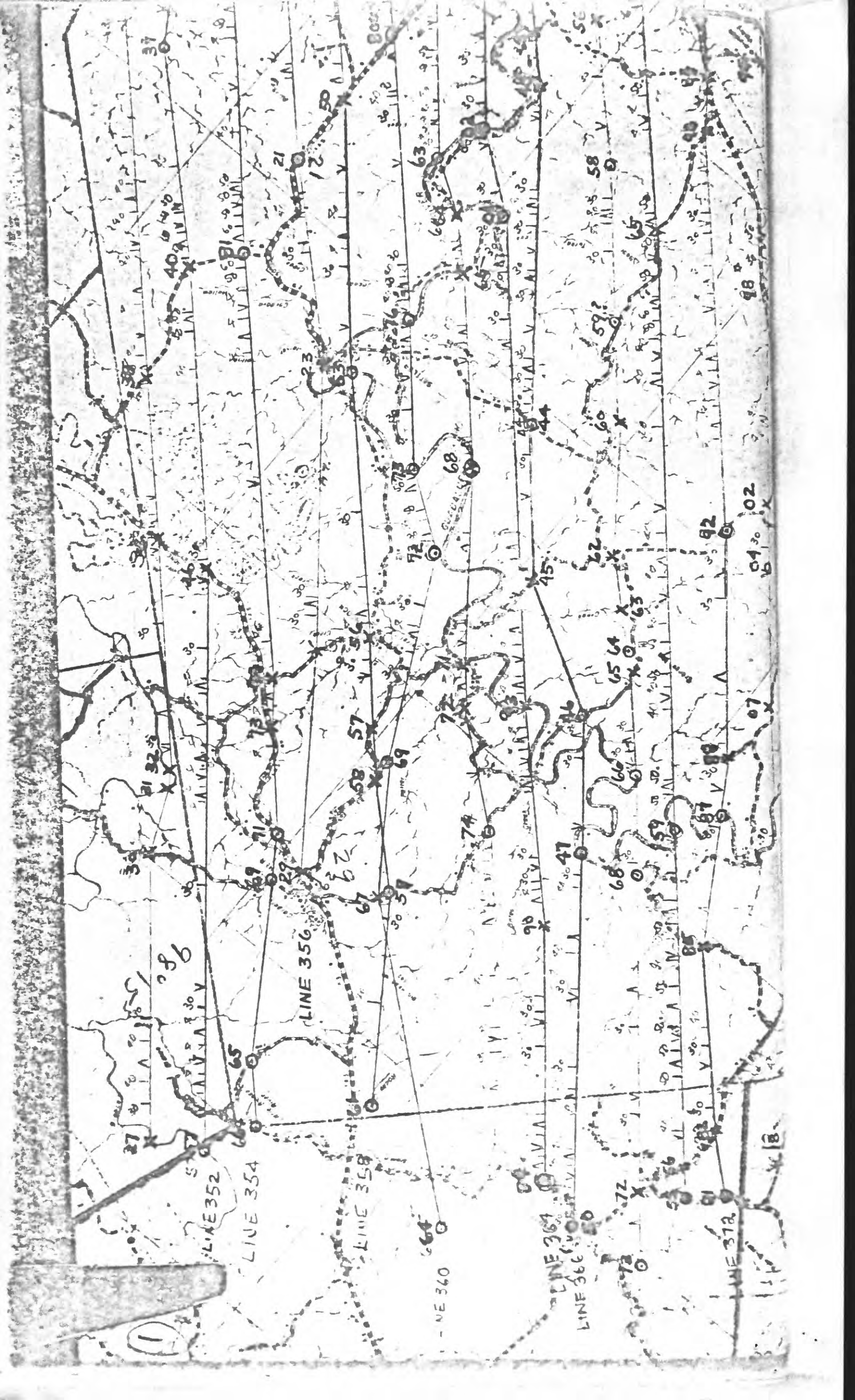


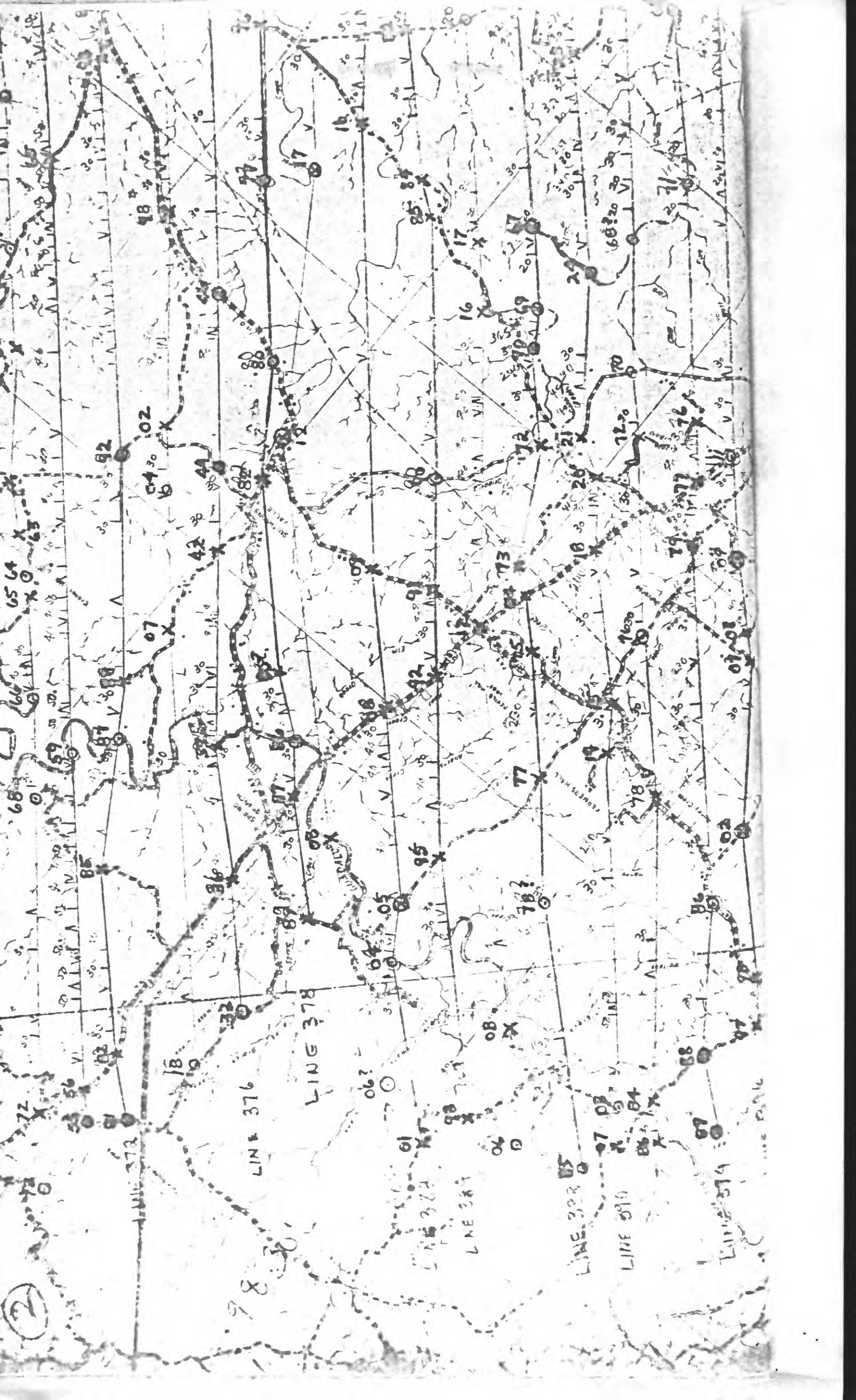
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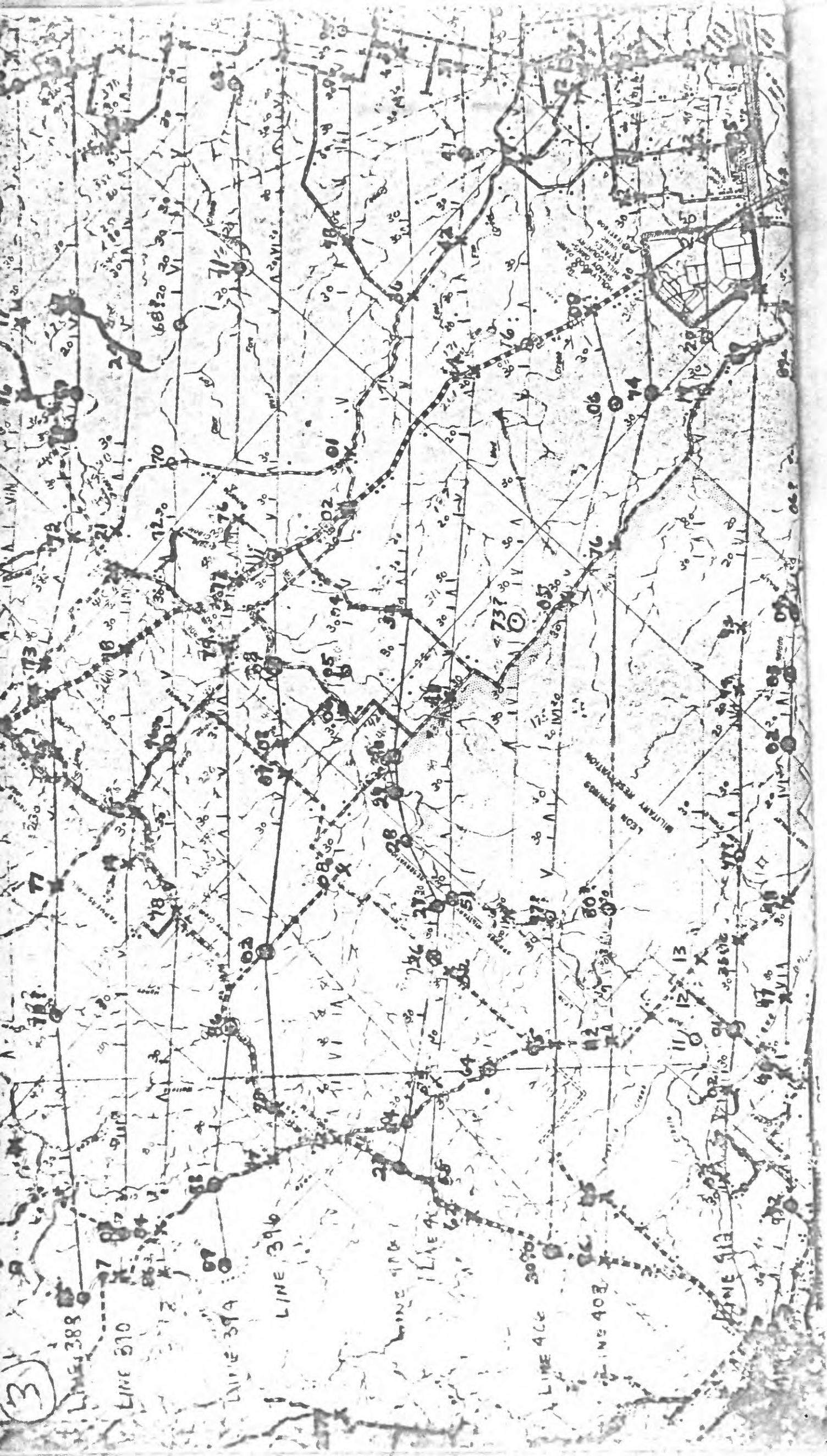
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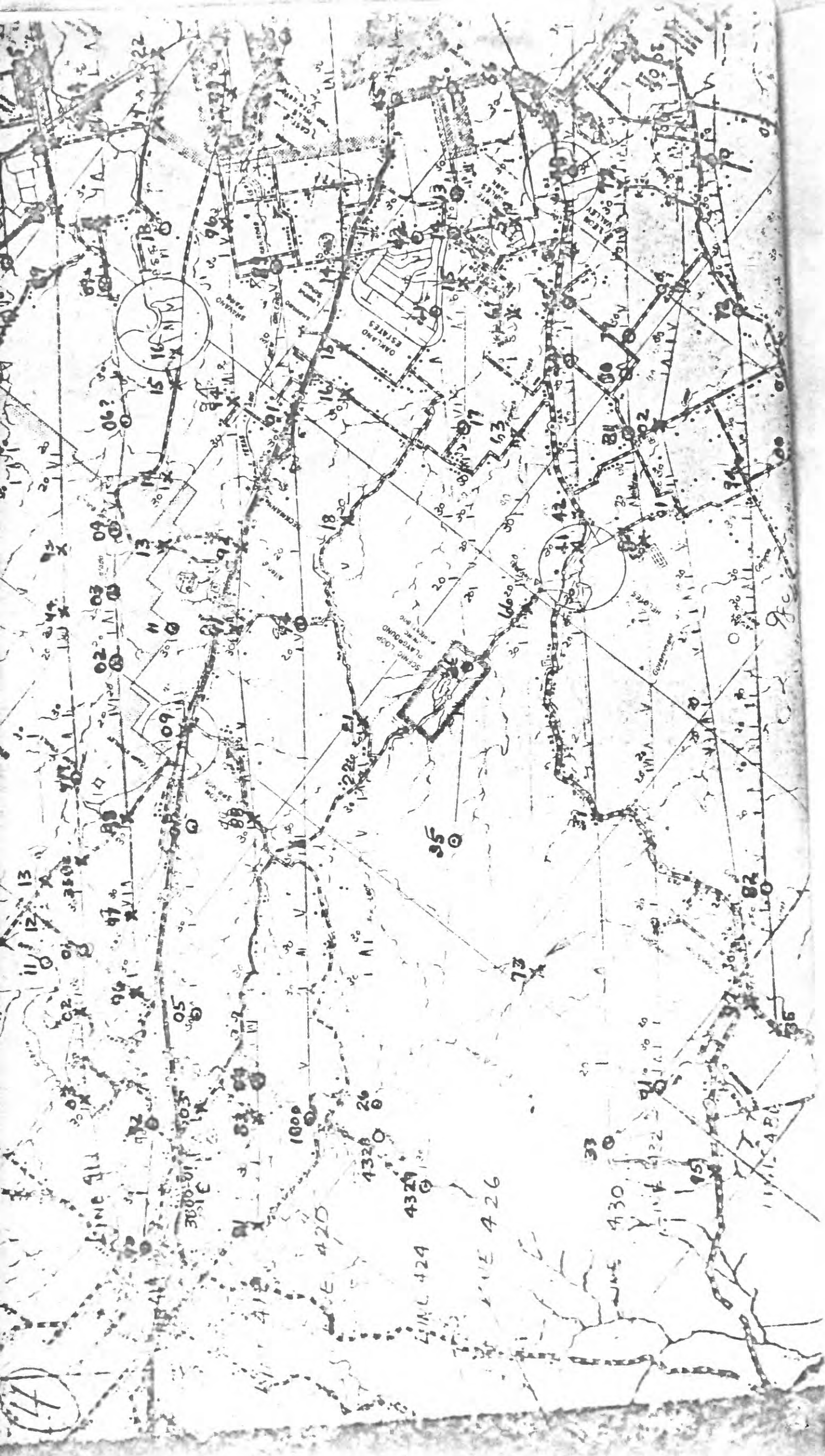
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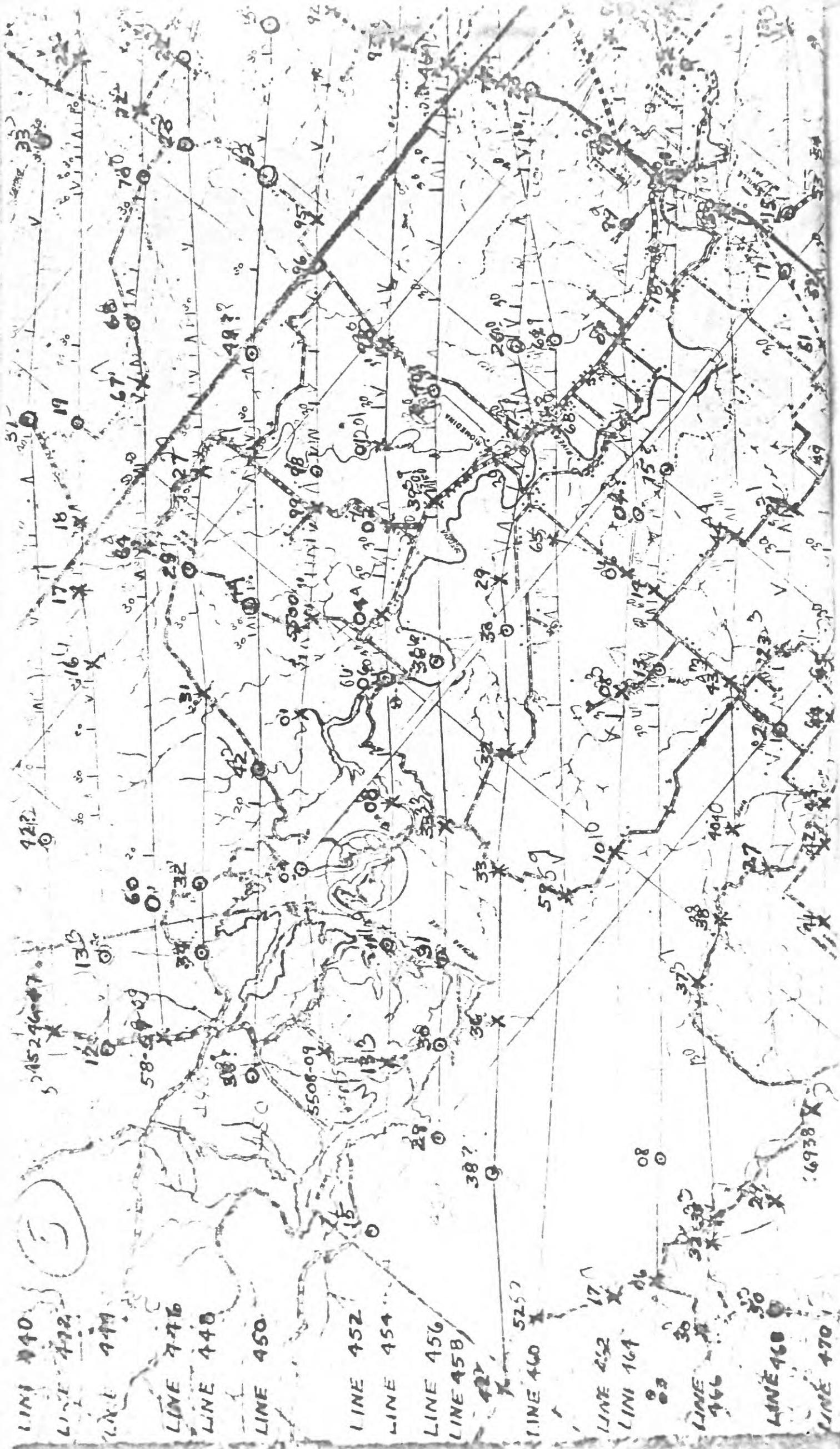
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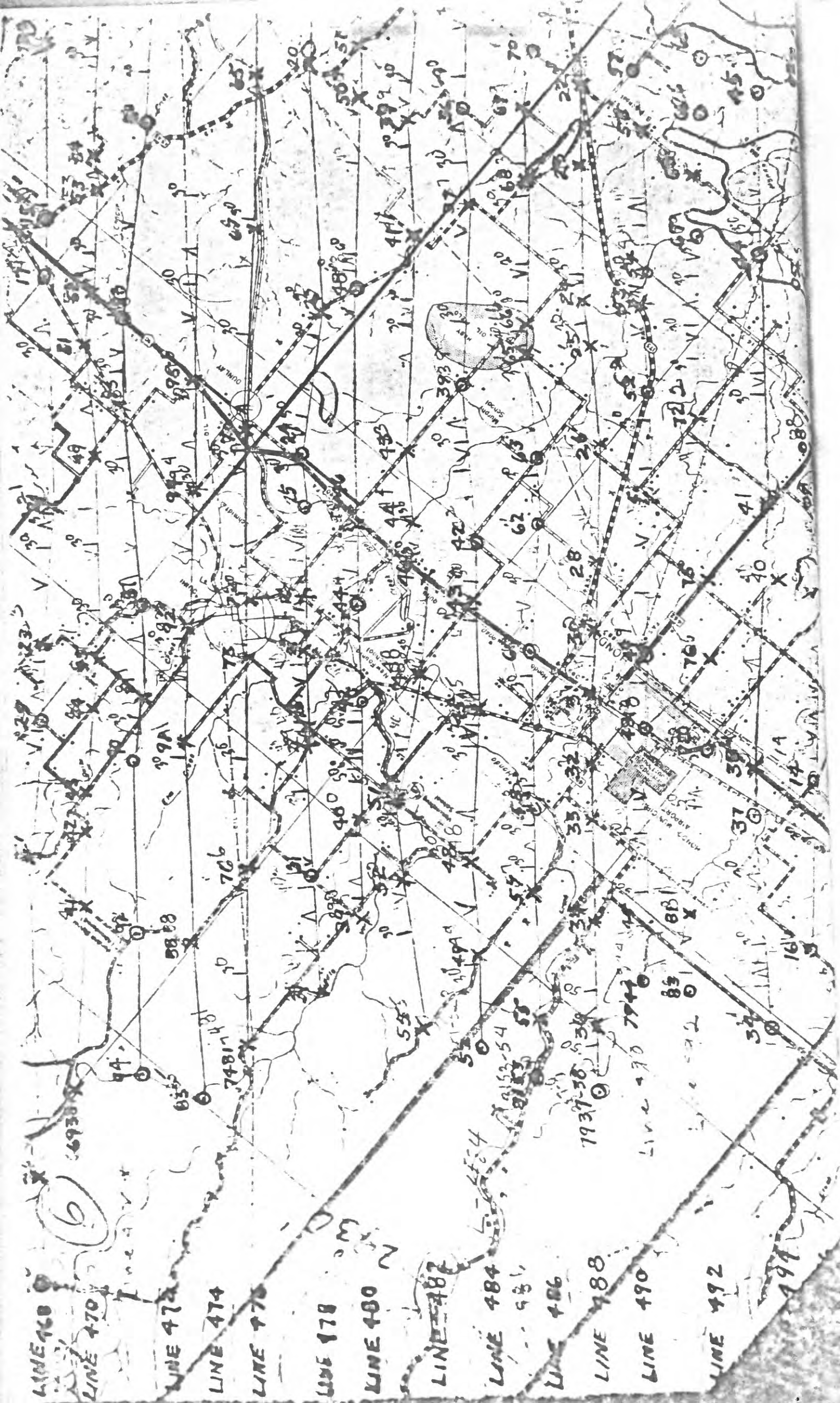












LINE 468

LINE 470

LINE 472

LINE 474

LINE 476

LINE 478

LINE 480

LINE 482

LINE 484

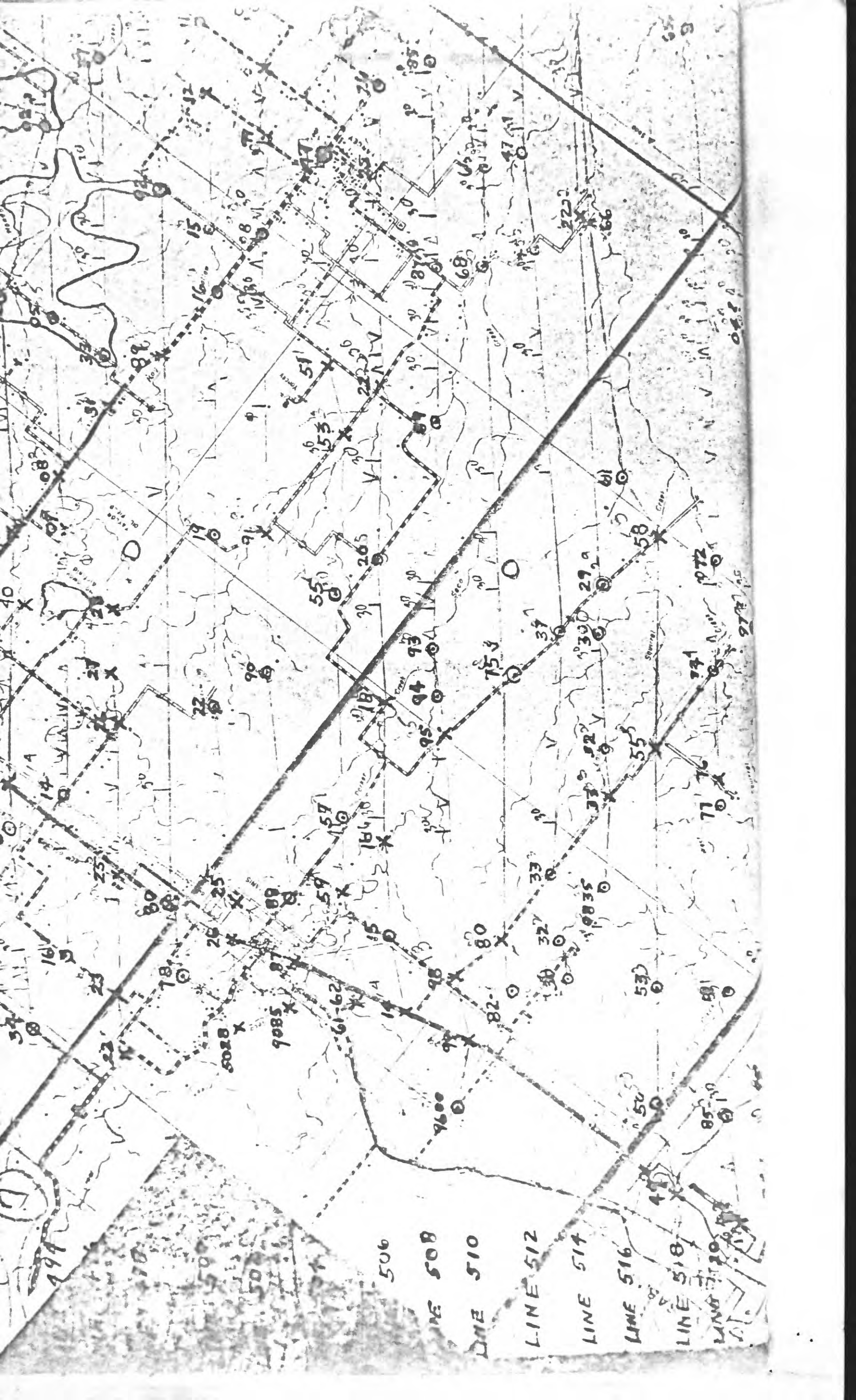
LINE 486

LINE 488

LINE 490

LINE 492

LINE 494



506

NE 508

LINE 510

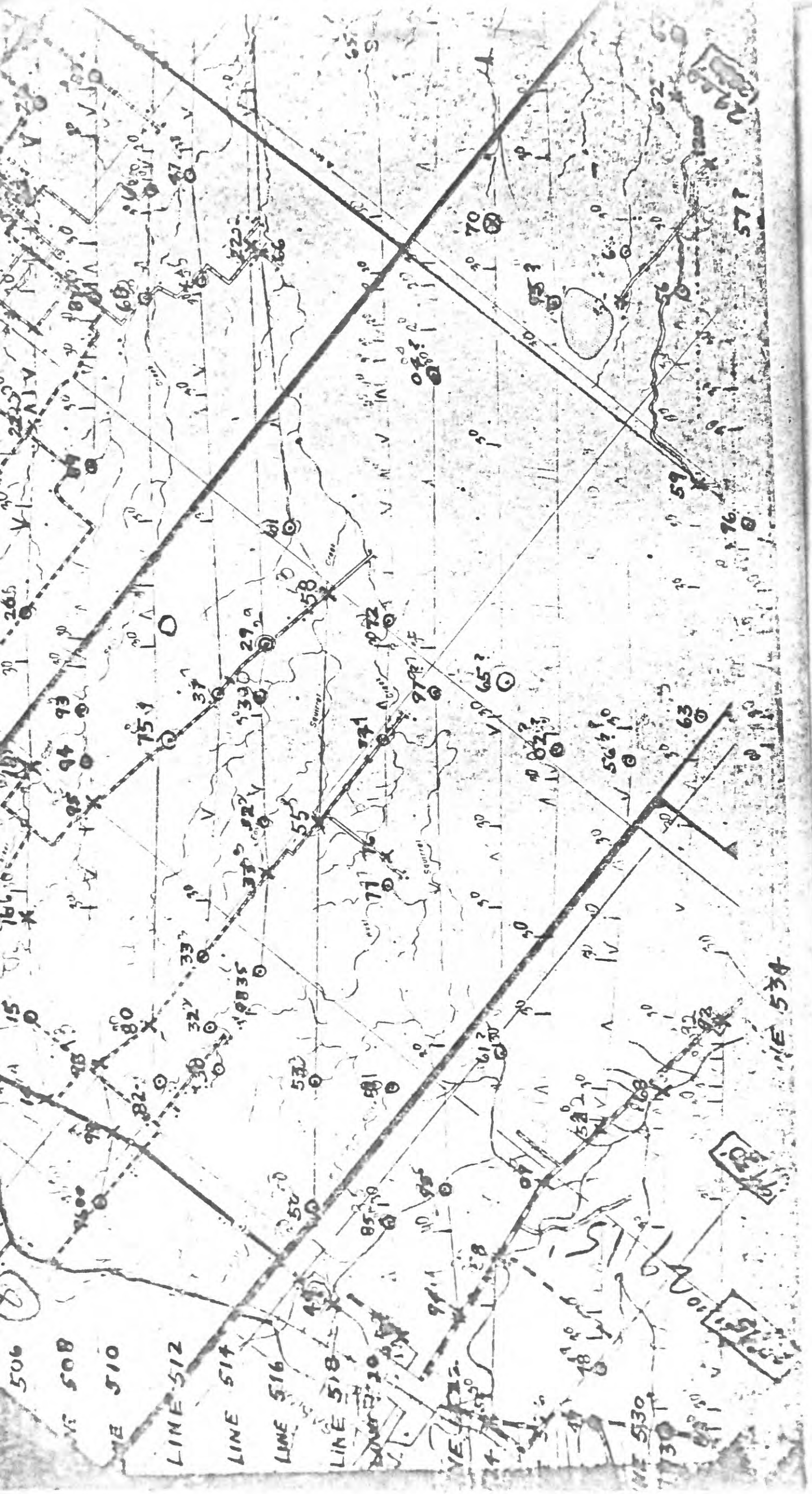
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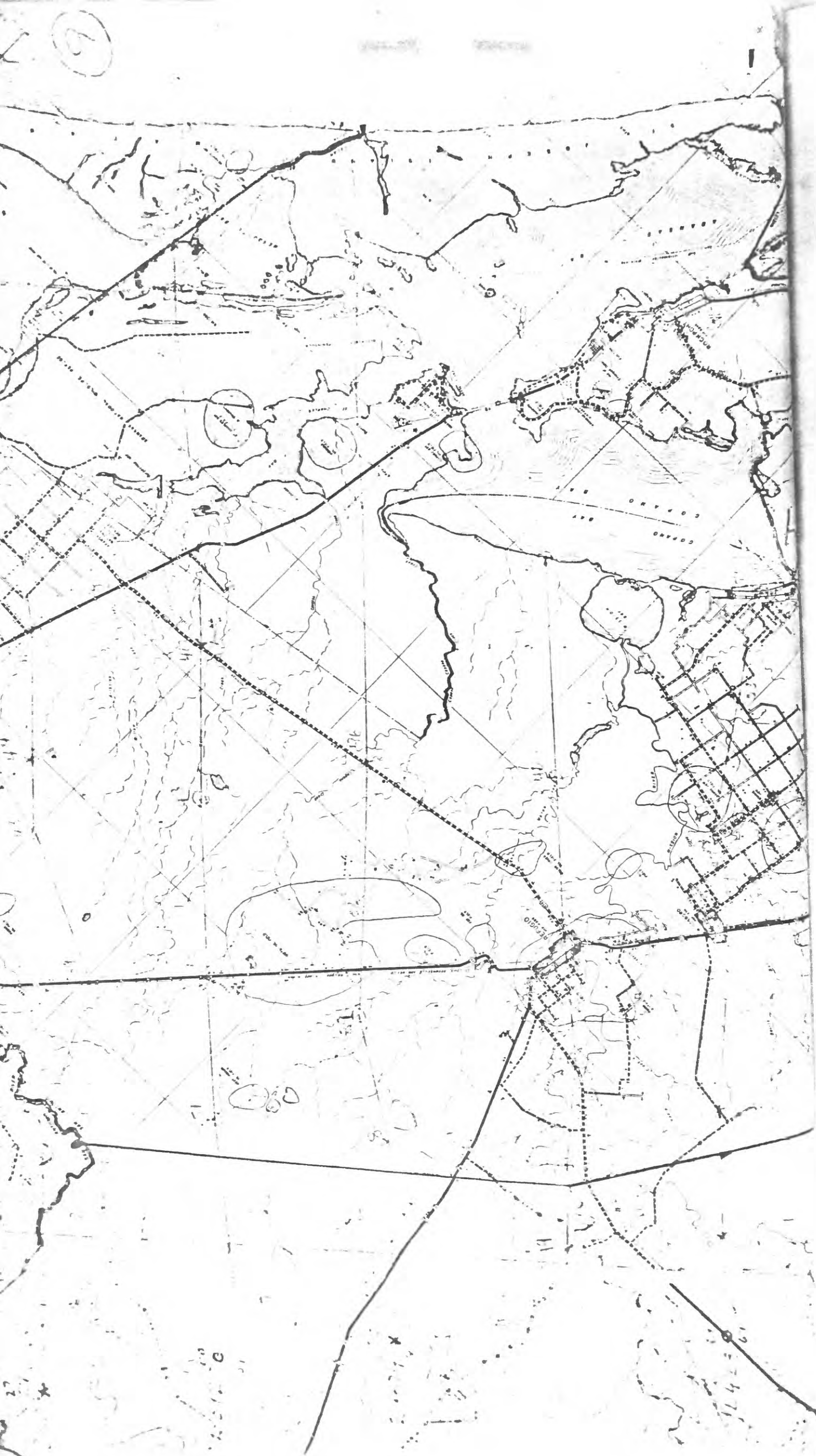
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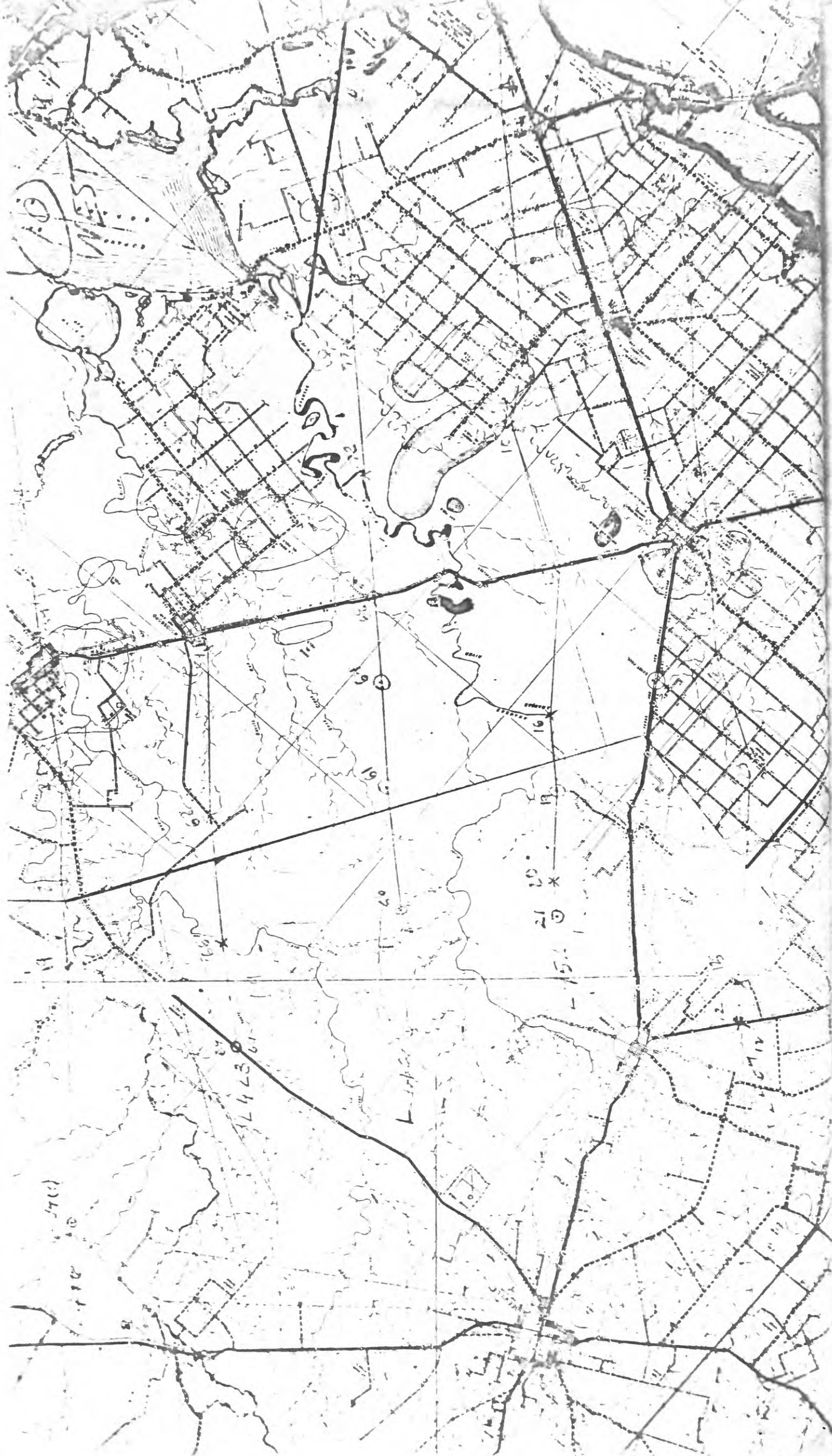
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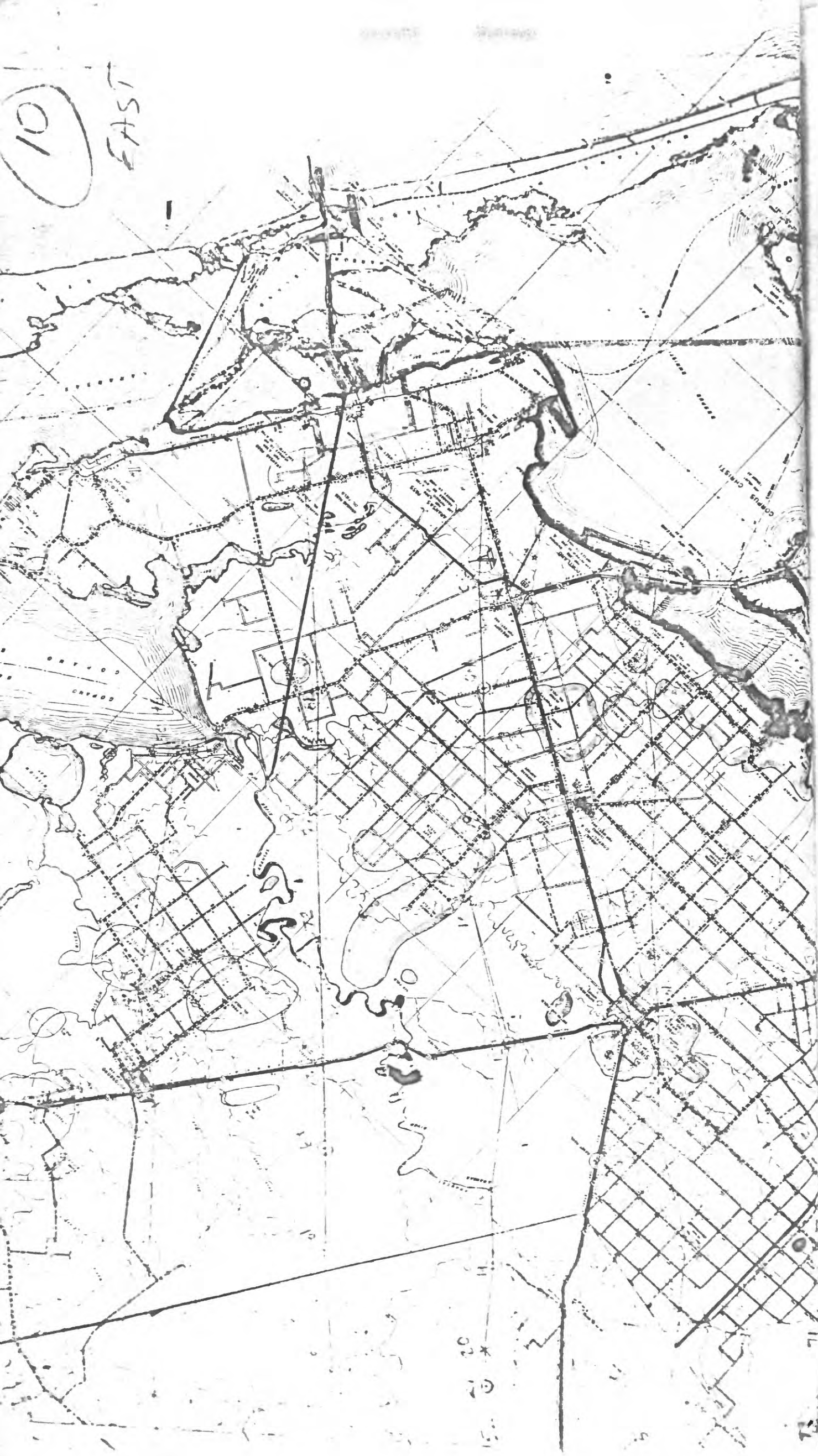
LINE 518

LINE 520









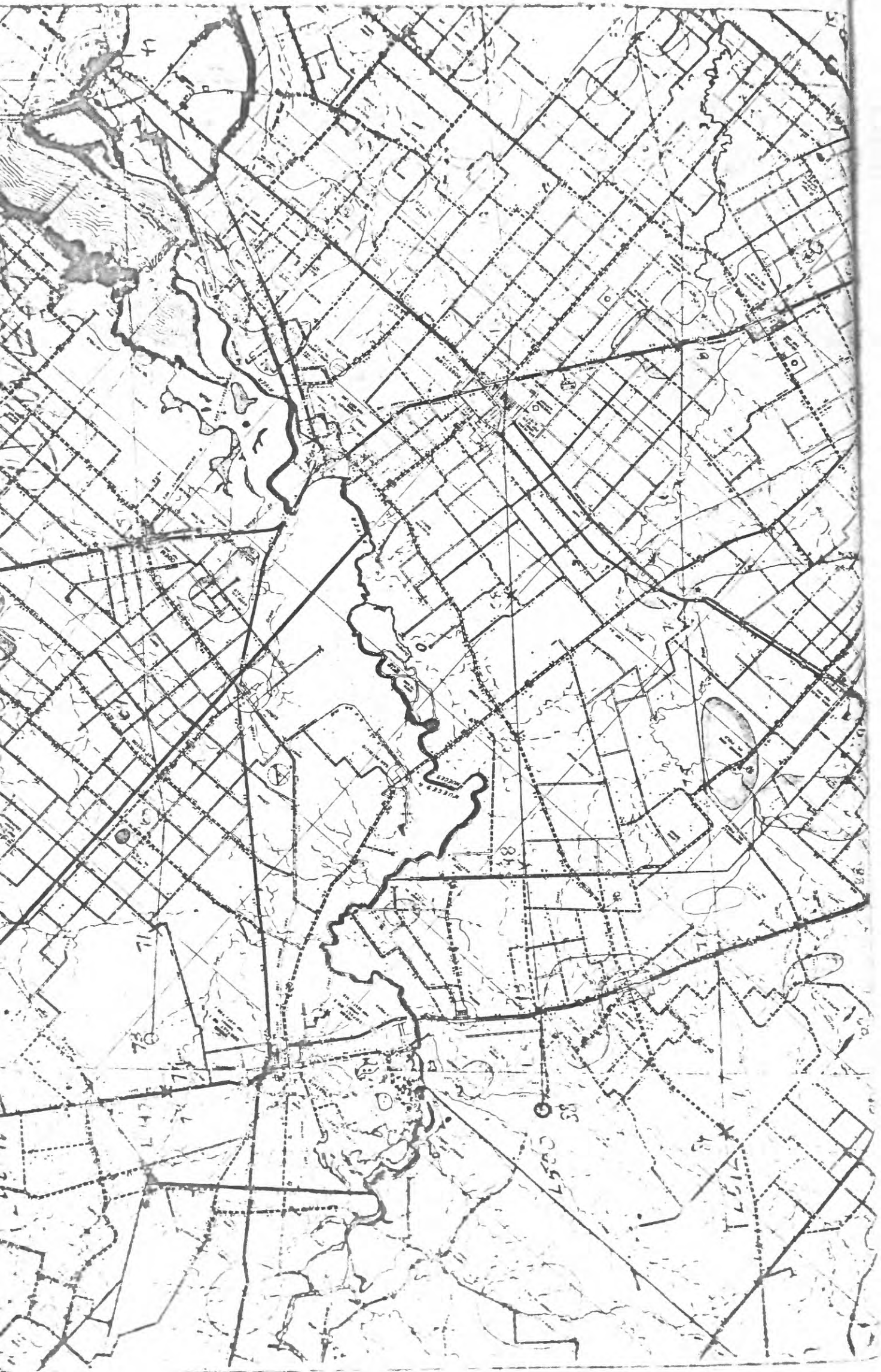
10

EAST

1

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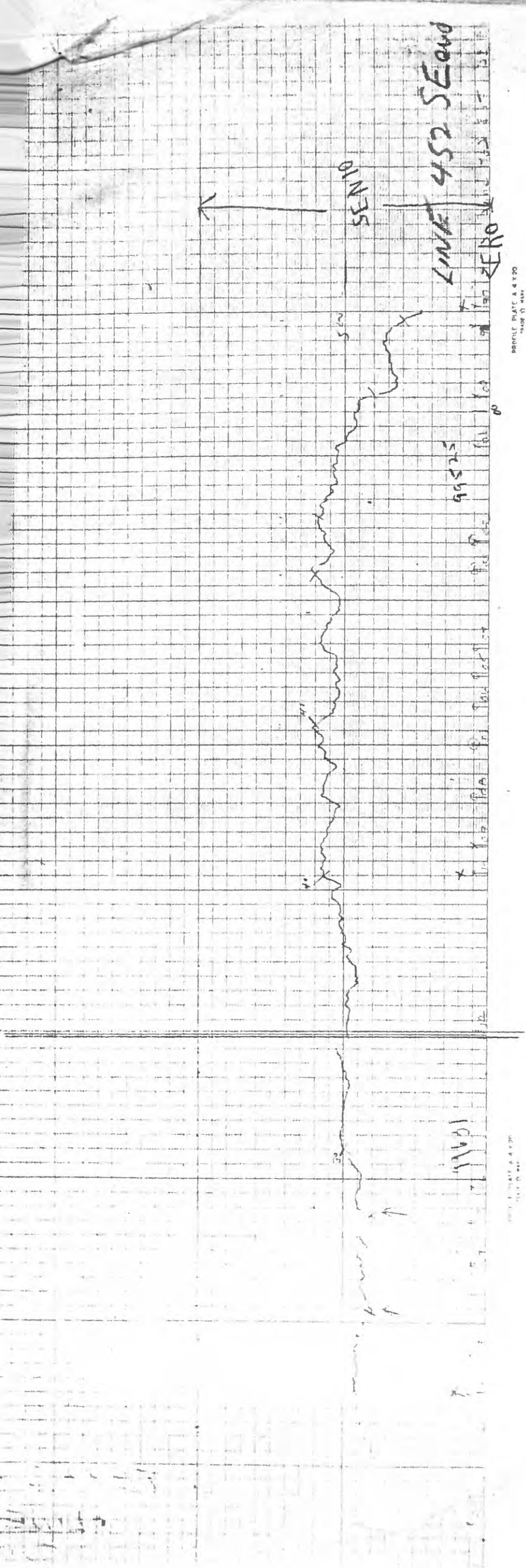
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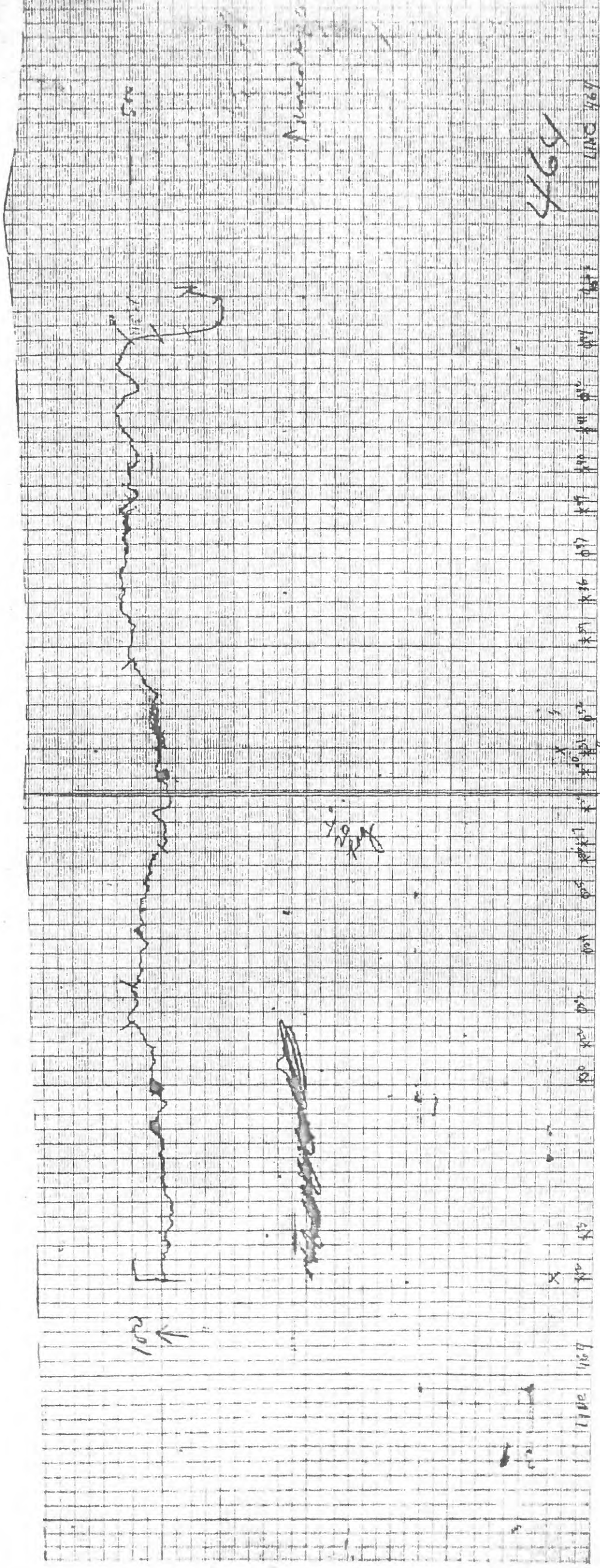


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EAST







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332
320

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LINE 476 SE and
PAGES 476 ENVI

1/24, 1/24, 1/24, 1/24



5.4

4.5

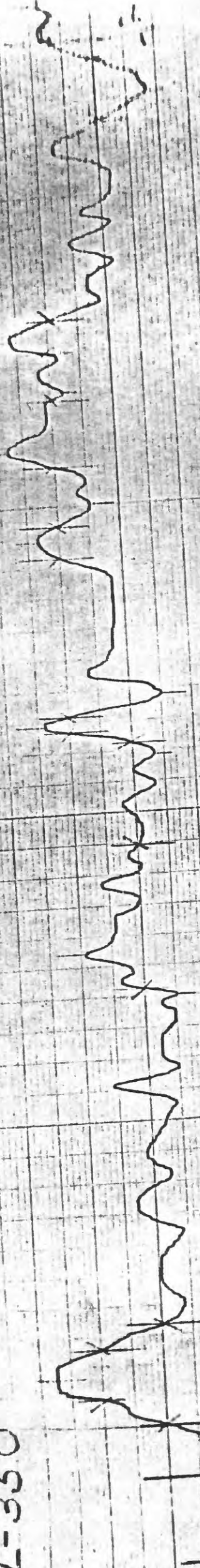
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L-350



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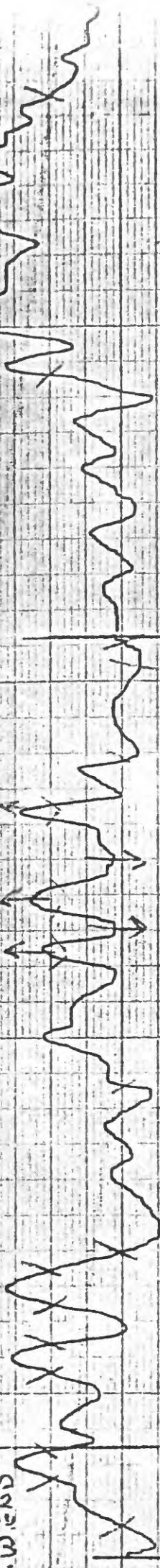
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X 30 X 30 X 30

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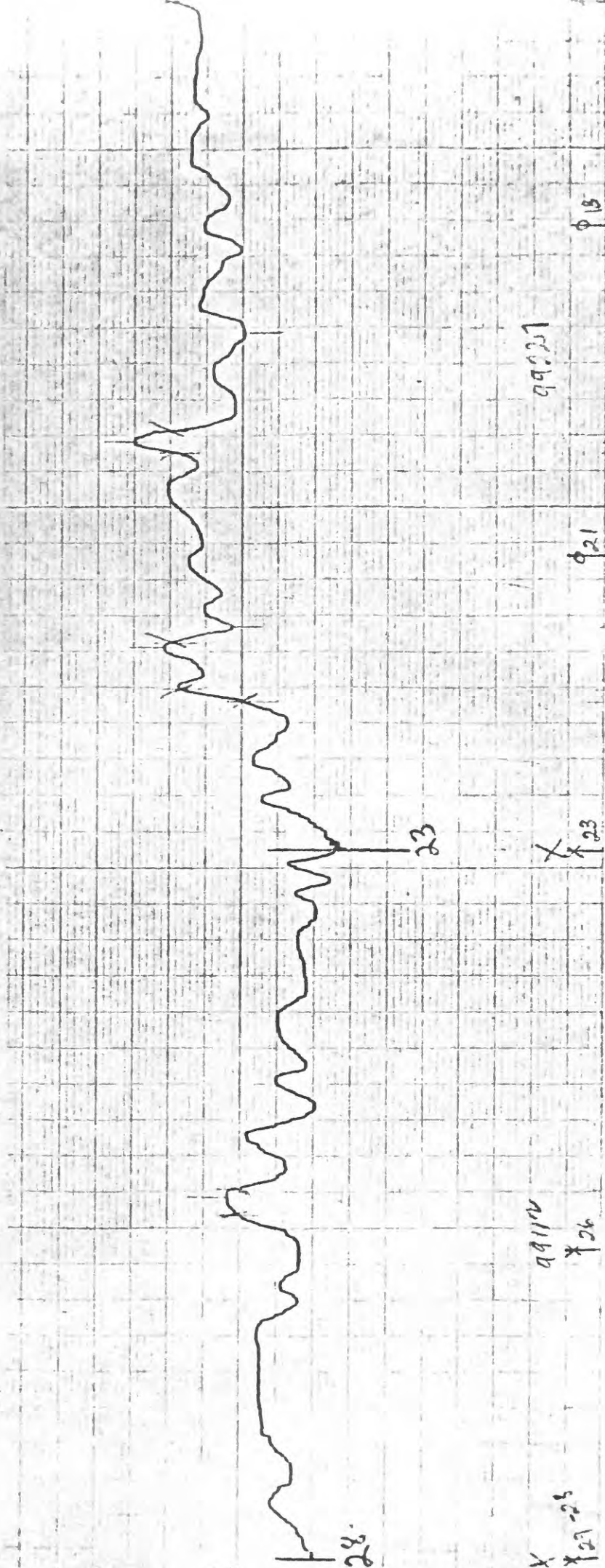
11 13 14

16 17 18

19 20 21

22 23 24

L-356 N.W.

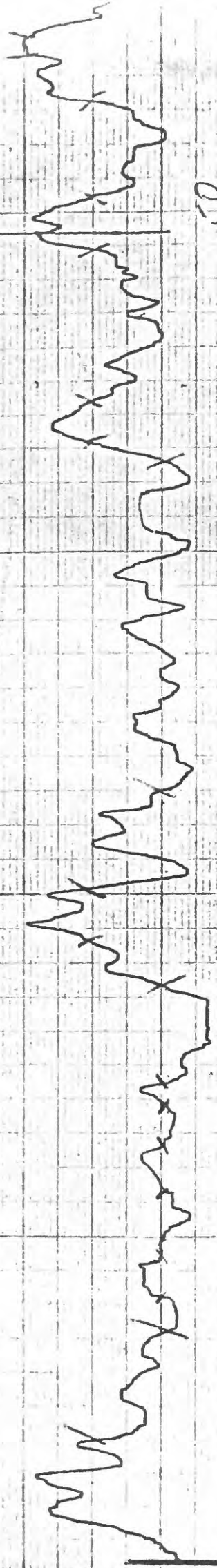


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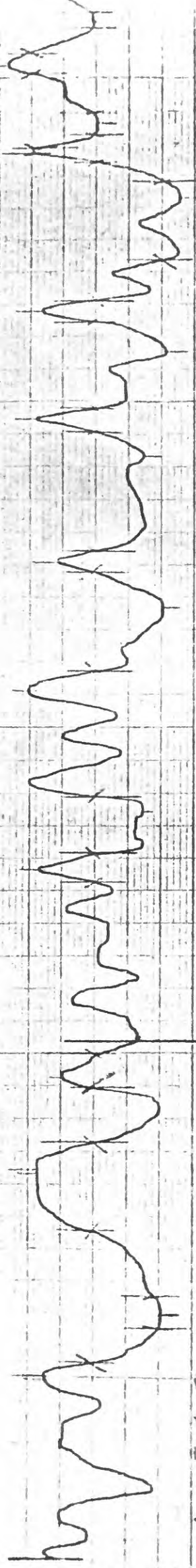
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14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

LINE 364
NW. EDD



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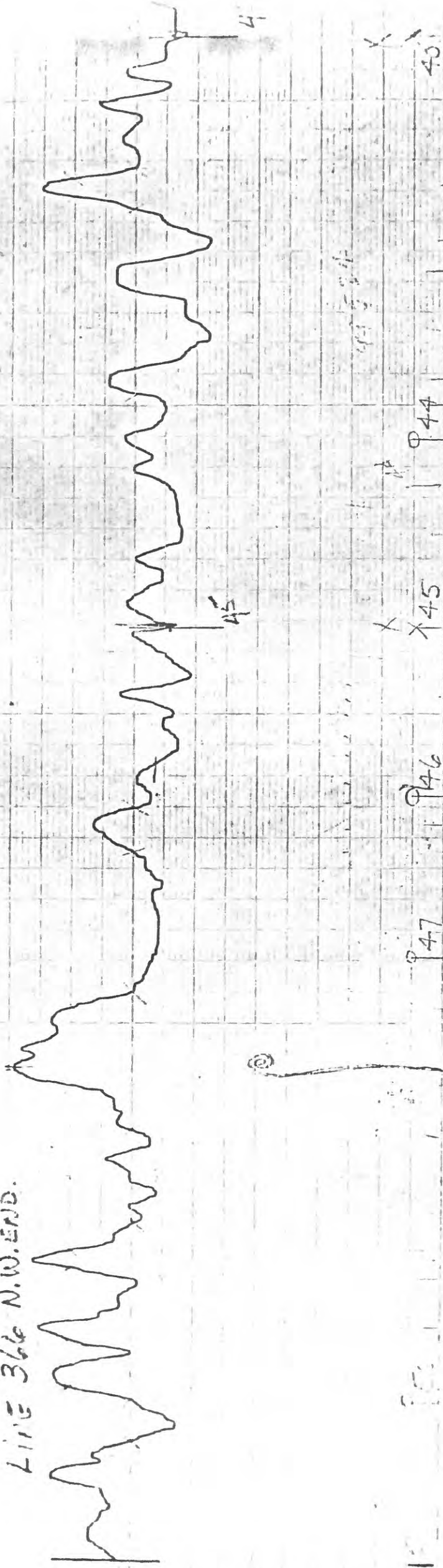
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1902

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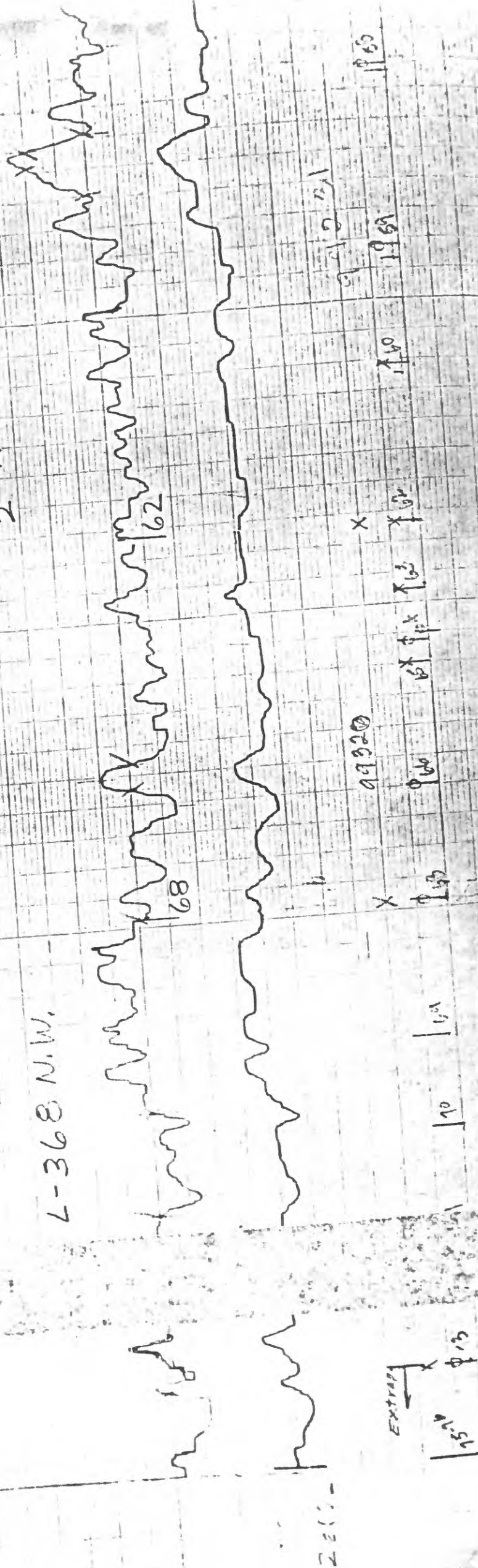
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PTS. 75-6 TO 02
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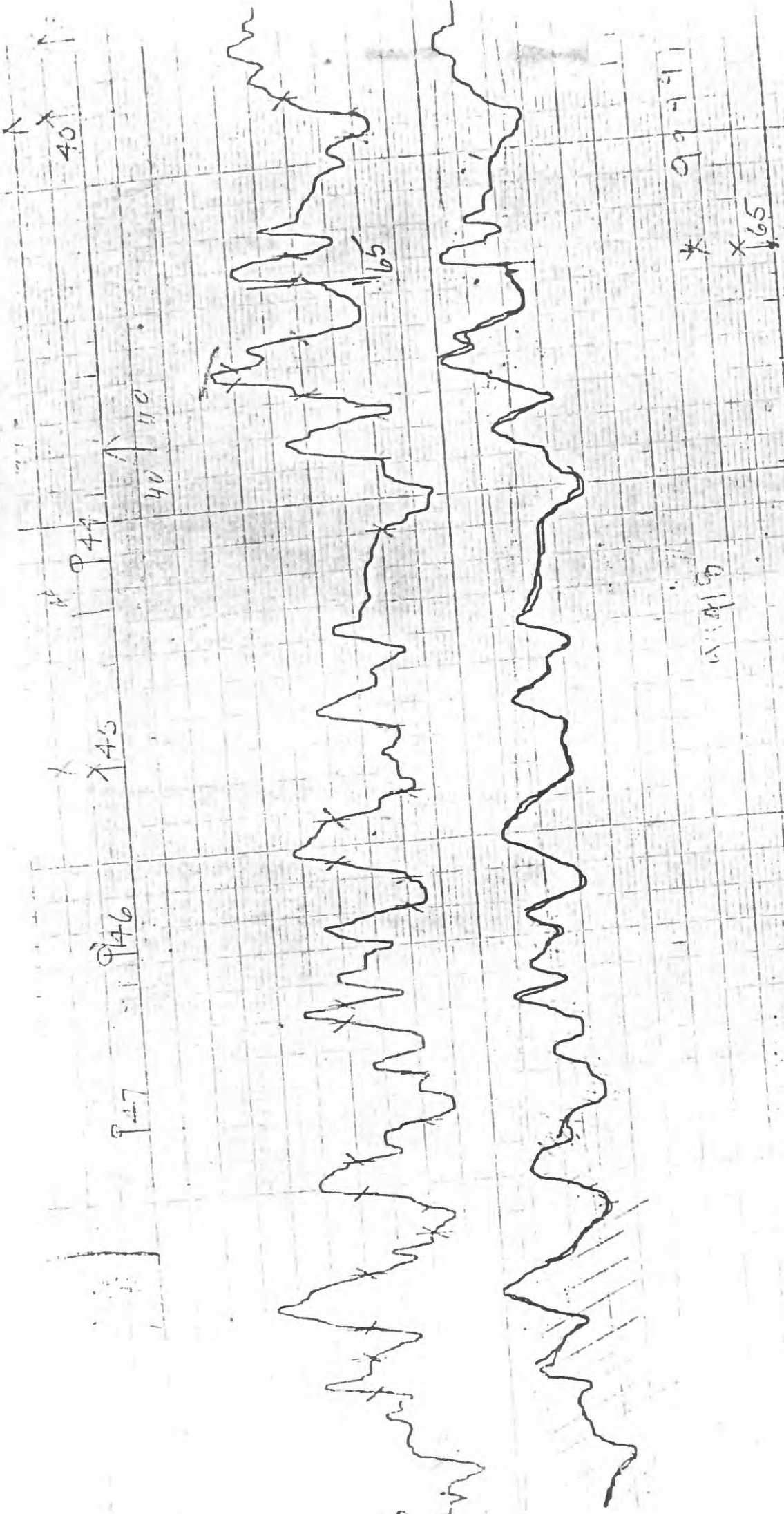
L-368 N.W.



96

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NO END W

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LINE

372

N.W. END.

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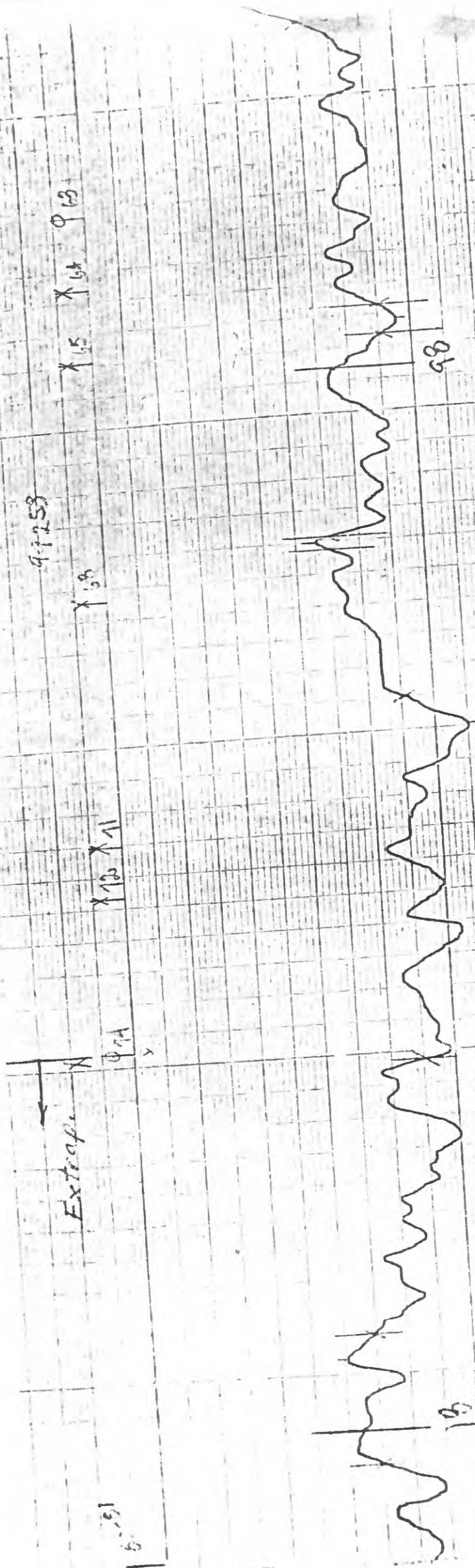
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992

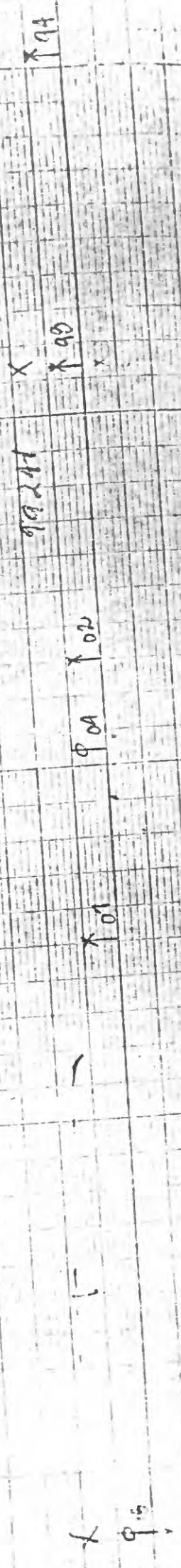
915-10

3rd PRIORITY

PROFILE PLATE A. 4 X 20.
TRADE MARK



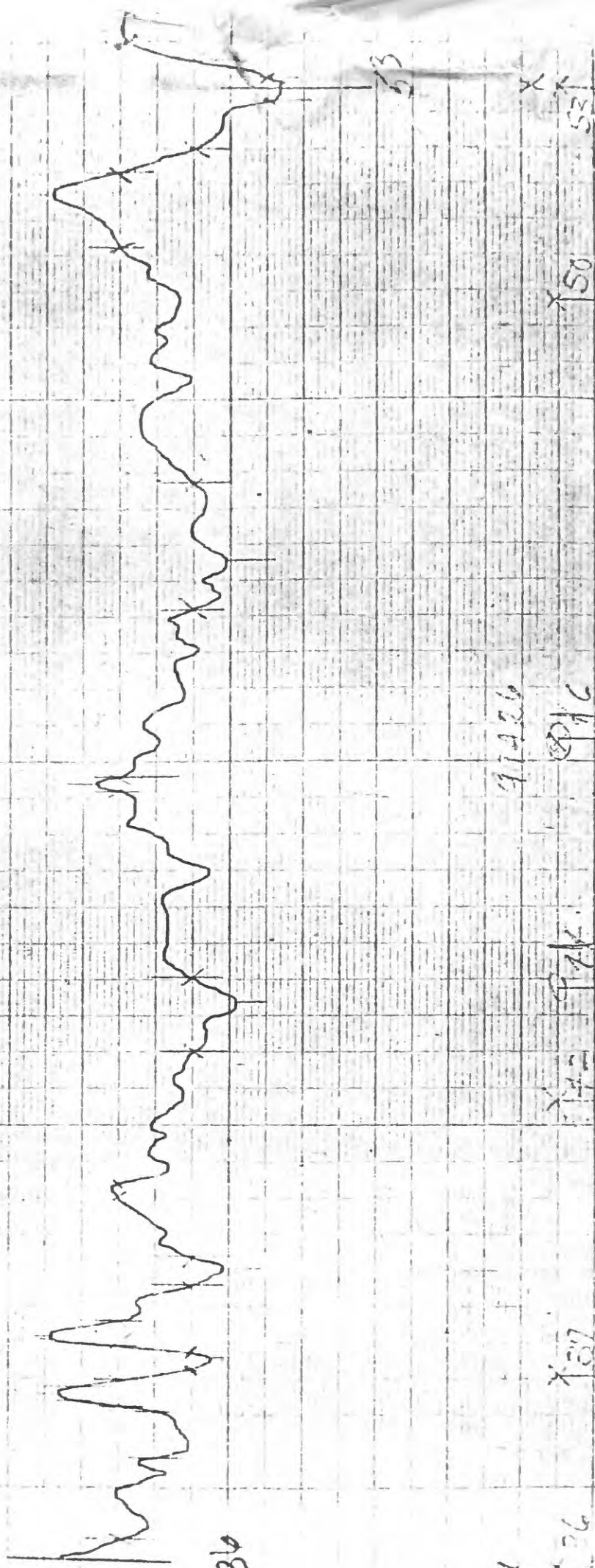
L-374



L-376

N.W.

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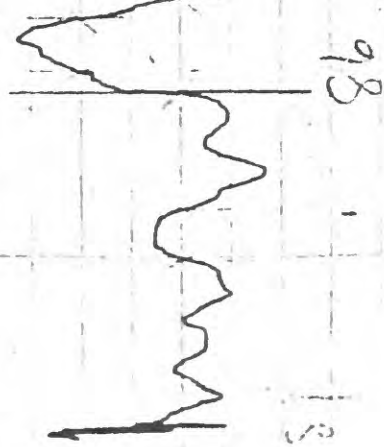
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87 88 89 90 91 92 93 94 95 96 97 98 99

99474

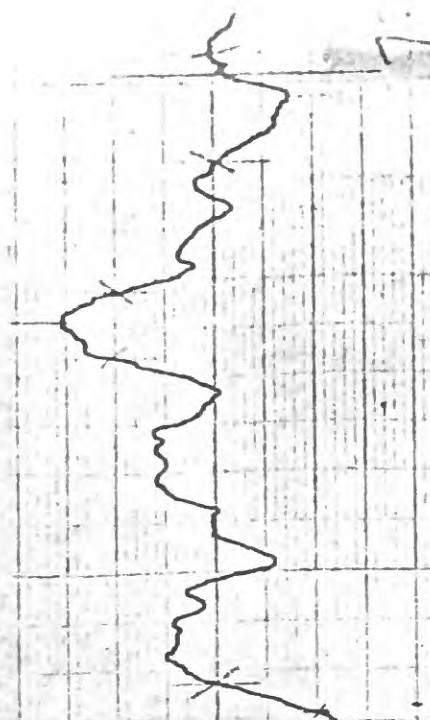
982

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L-380

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ϕ_{27}



2/10/1947

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Pl. 9112

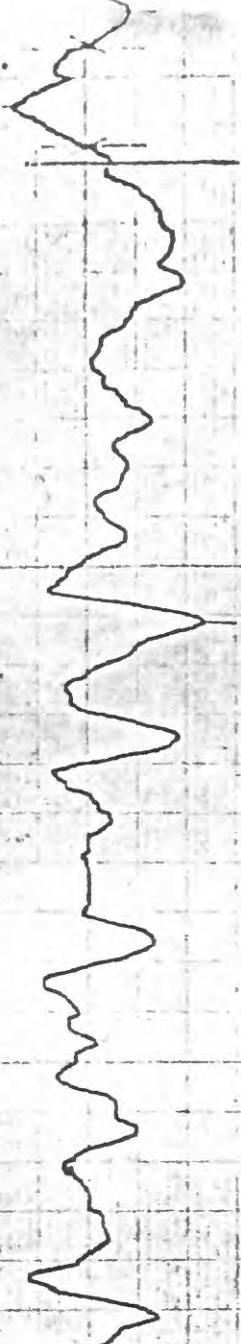
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L-38-7

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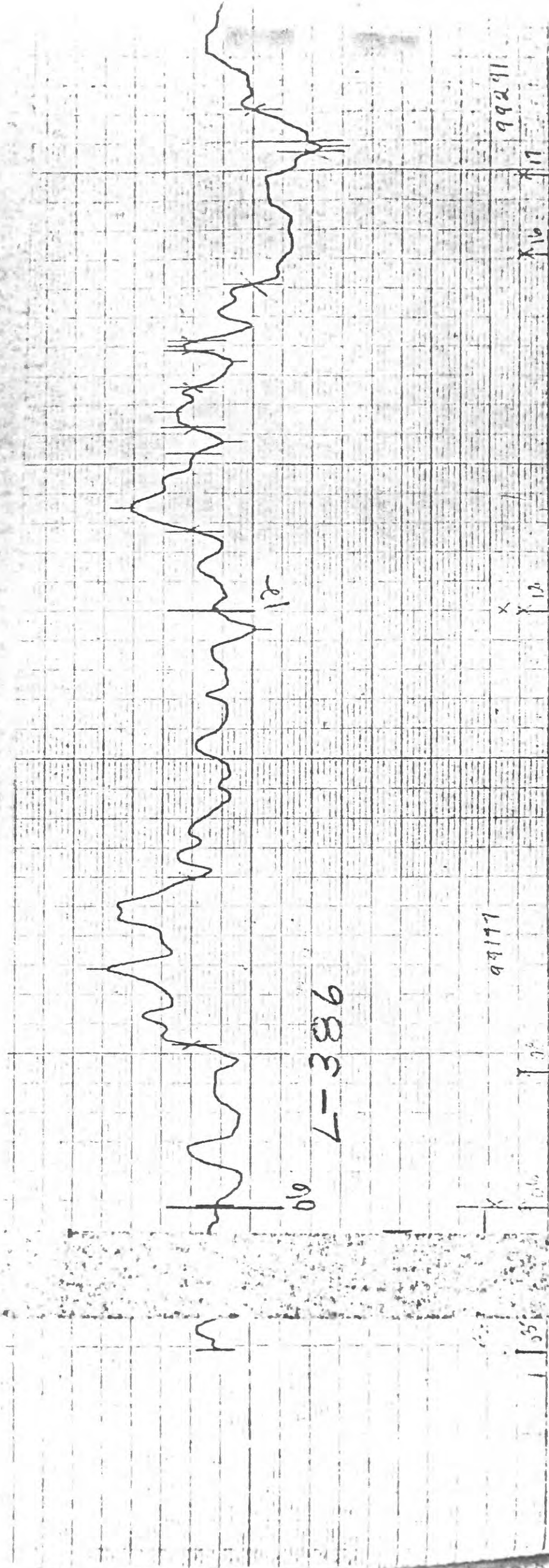
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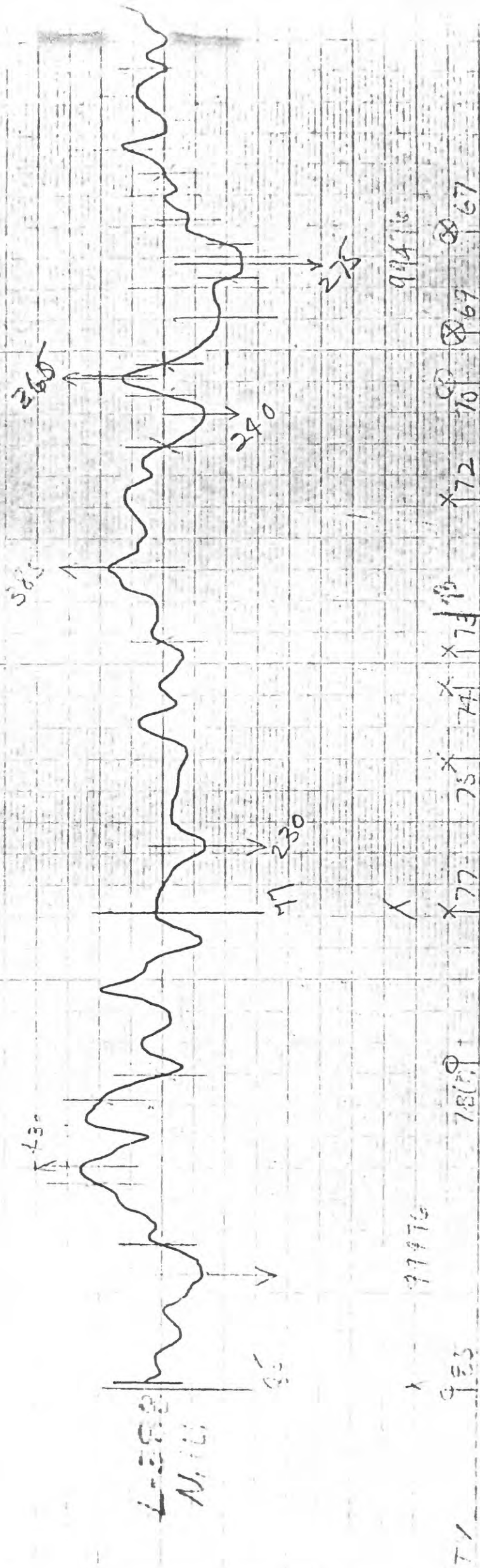
28 x 24

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PROB. 1.15 - 1.20
1.15 - 1.20



PROFIT PAGE 4221



L-390

10-11-11

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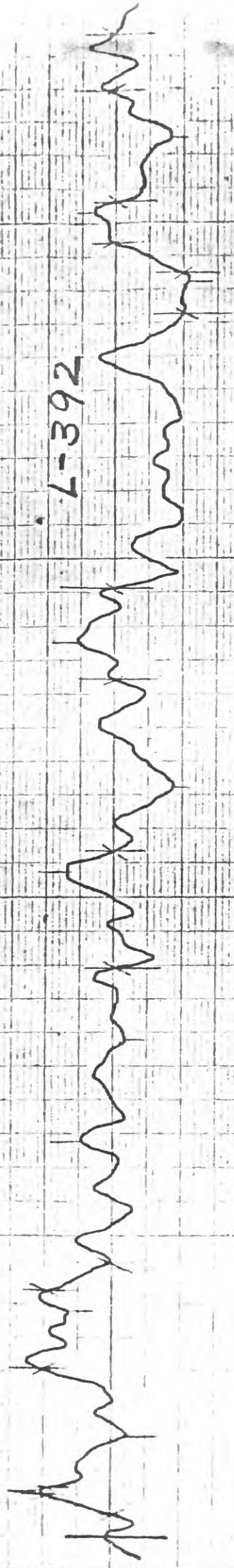
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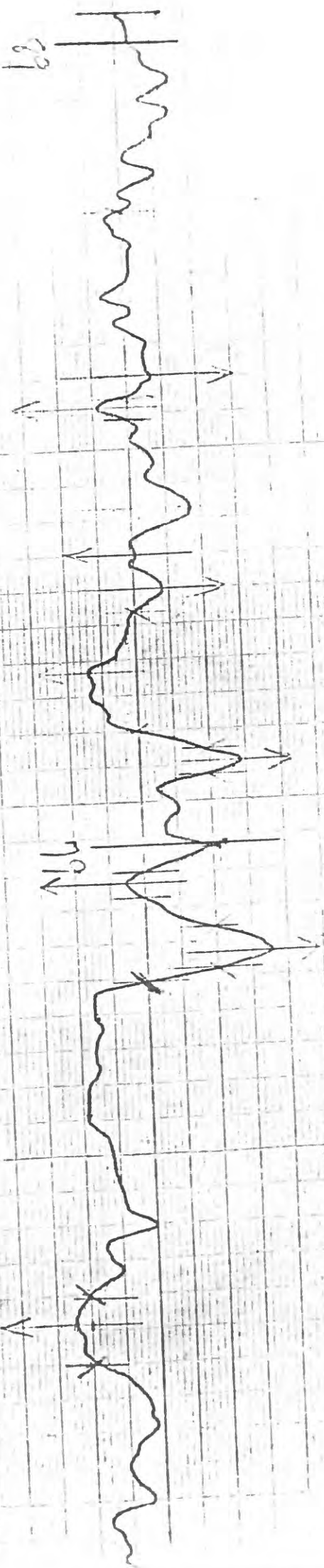
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VERTICAL

-594
11.12.1



11.12.1

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L-398 N.W.

NE 398 N.W. END

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99505

X 108

059

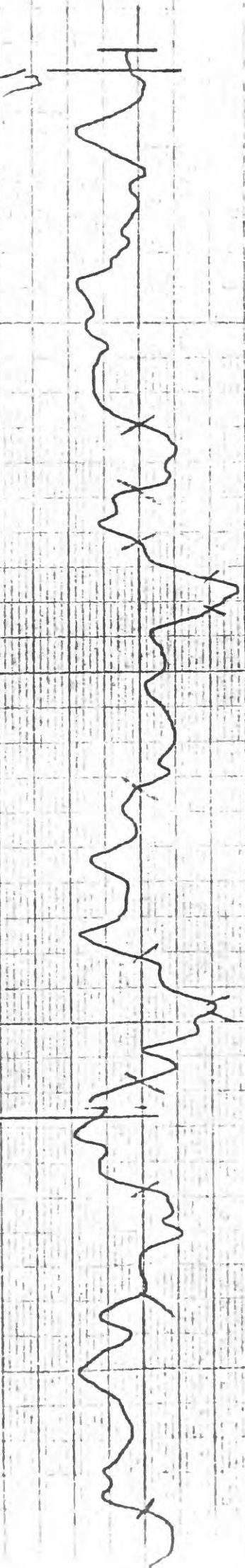
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9450



L-400
N.W.

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36

312D. P.

30.3 P. 4

31.1

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31.4

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31.7

31.8

31.9

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31.11

31.12

31.13

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31.16

31.17

L-402

N.W.

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L-404 M.W.

N 10

404 M.W. ENB

ENB

162

961

166

ZERO

961

973

113

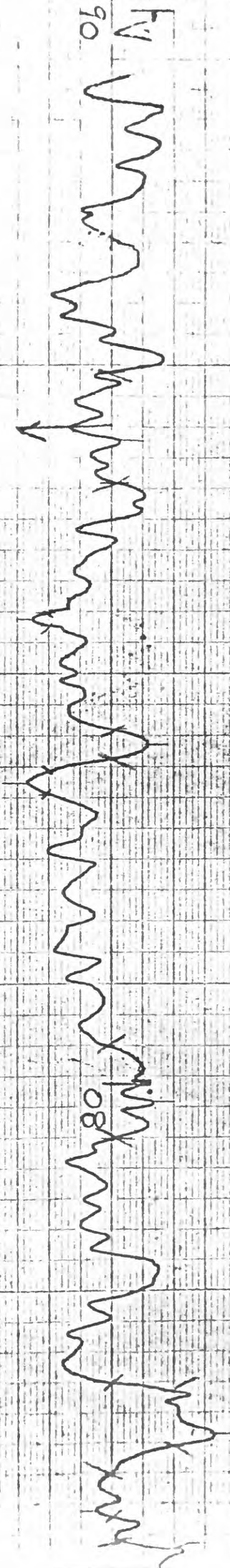
176

177

79240

RED LINE

PROFILE PLATE A 4 X 20



23040
4406

95

972

95-103

106

108

121

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17

-4C3
A. 14.



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1171
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1182
1183
1184

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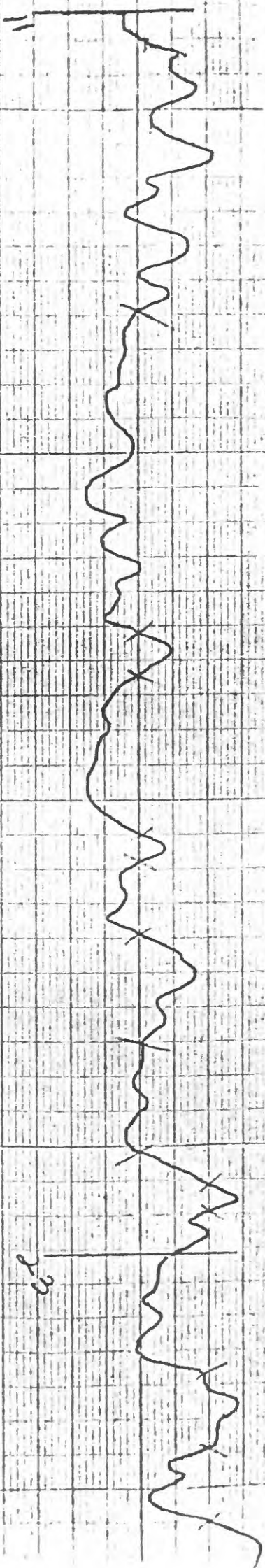
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1172
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1170
1169

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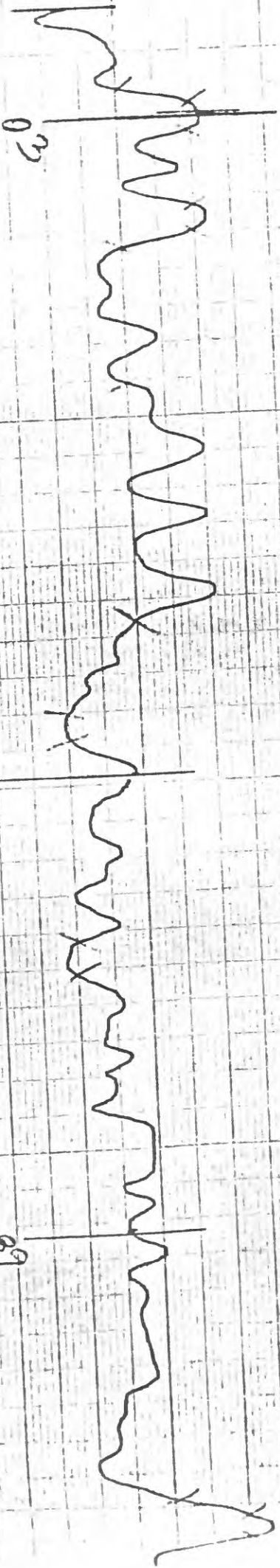
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L-412
N.W.



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X02 901

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X13

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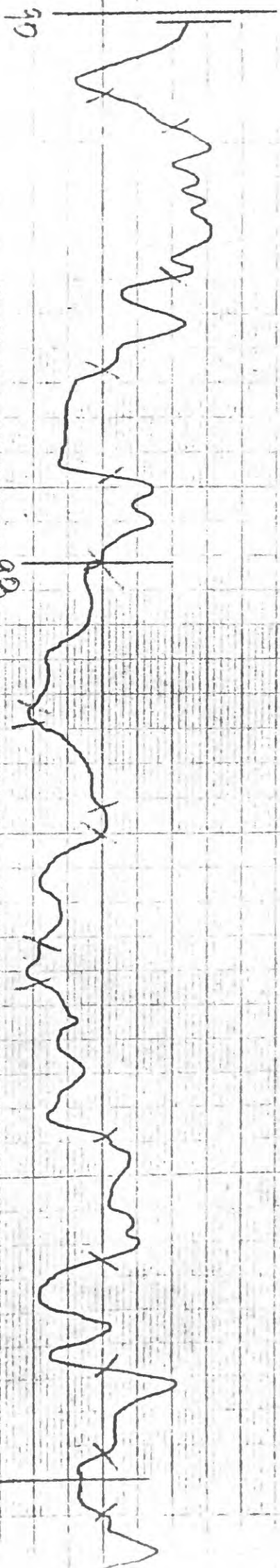
X87

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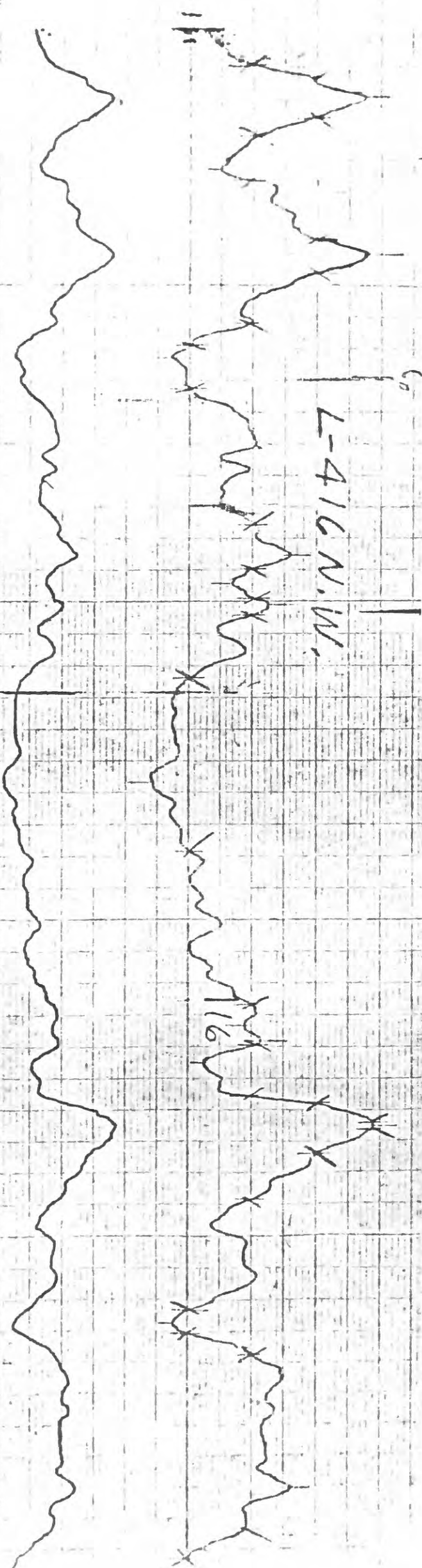
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L-416 N.W.



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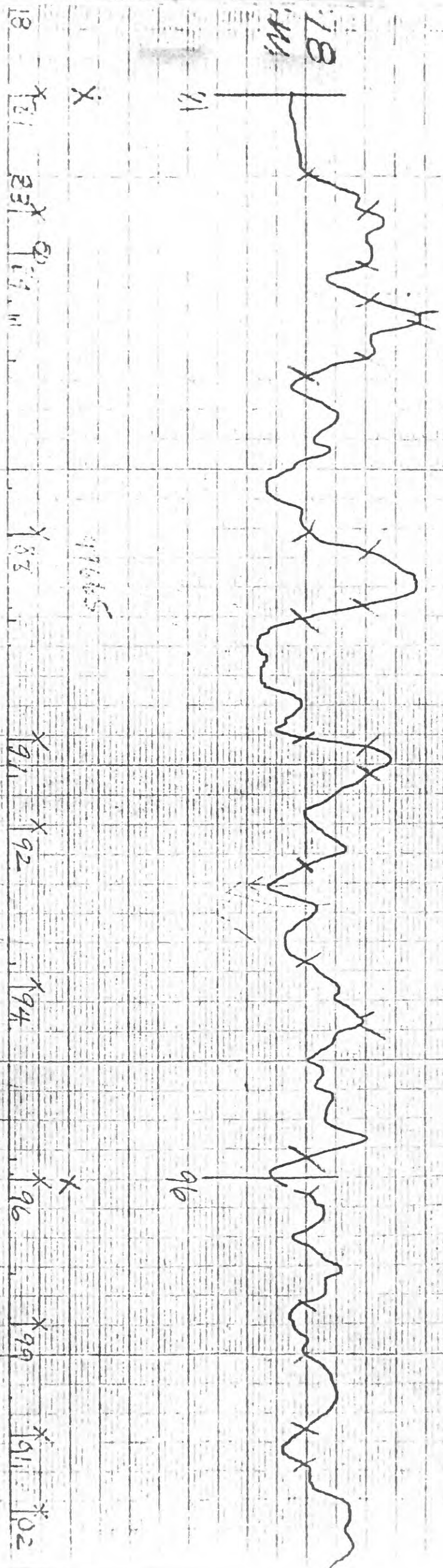
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L-4-20

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L-1-4-20

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L-724 4329
N.W.

210217Y

X
P 4329

P 35

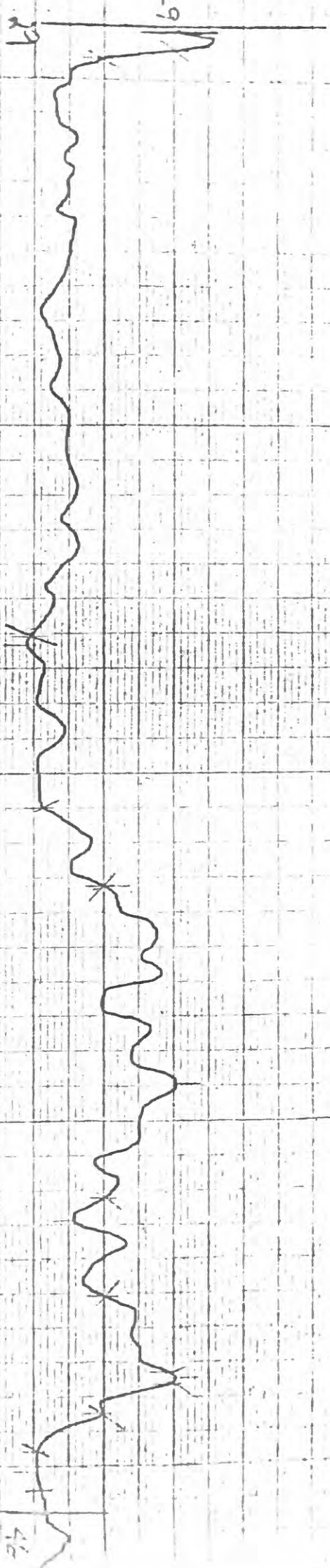
P 36
99370

P 41

P 42

P 45

X
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L-426
N.W.

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30-21

N.W. END LINE - 426 - 3RD PRIORITY

extrap.

17

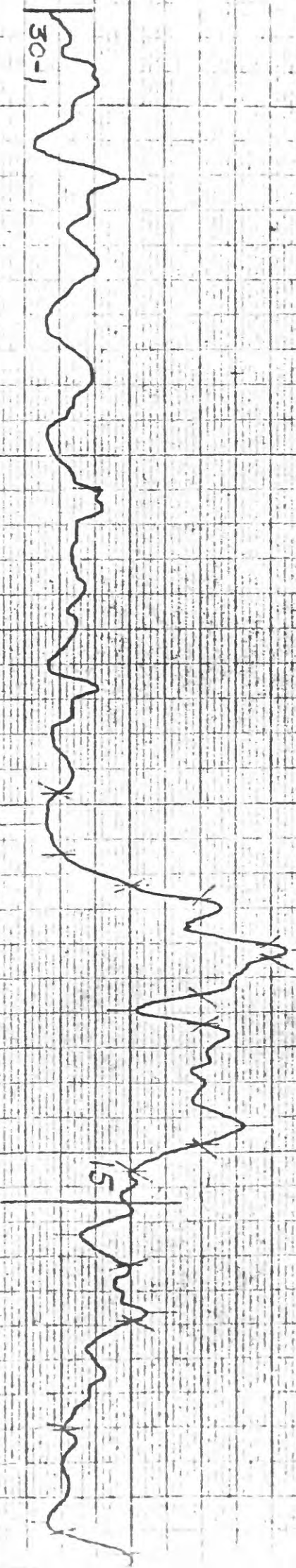
15

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104

99-246



L-428 N.W.



END

Line 428 NW

ZERO

173

166

143

141

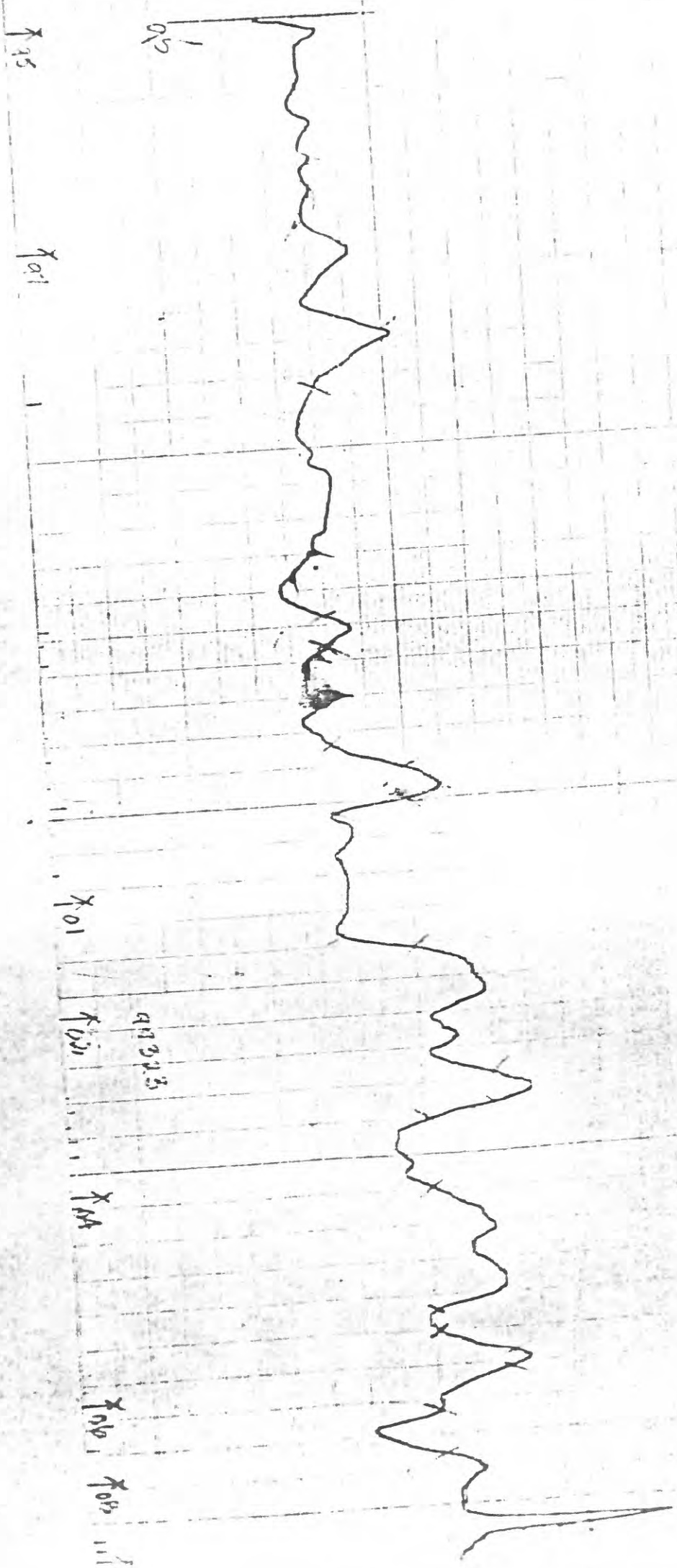
139

156

133

156

L-434
M.M.



L-436
N.W.



12.5

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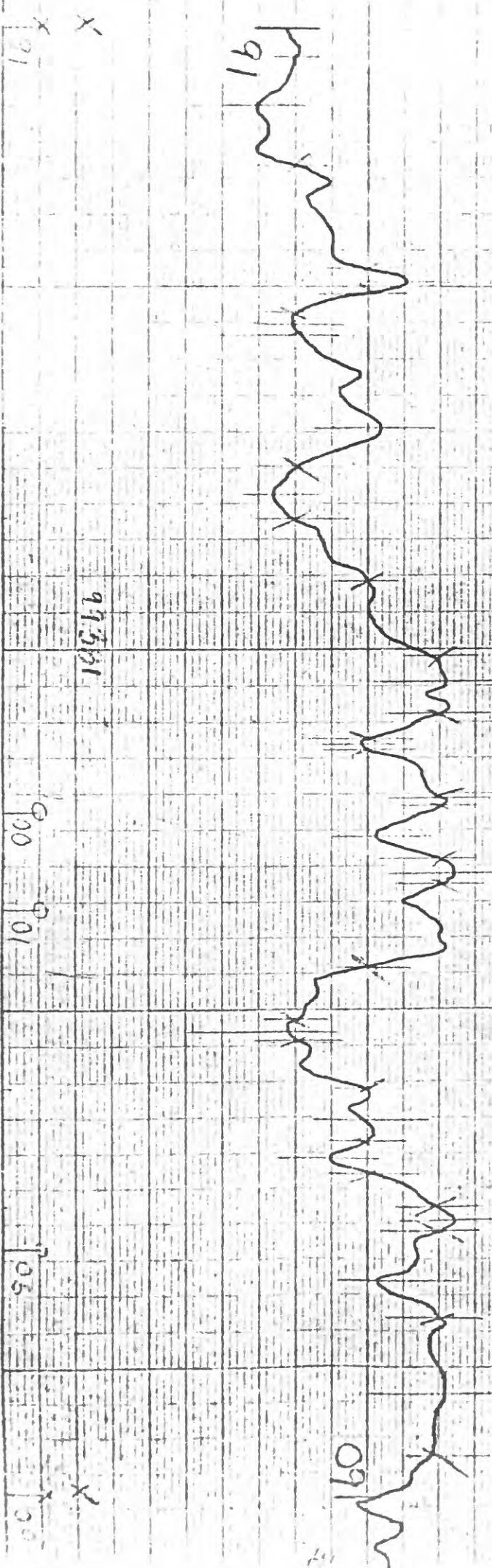
12.0

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run in NW

run in NW

L-43E
N. W.



L-440 N.W

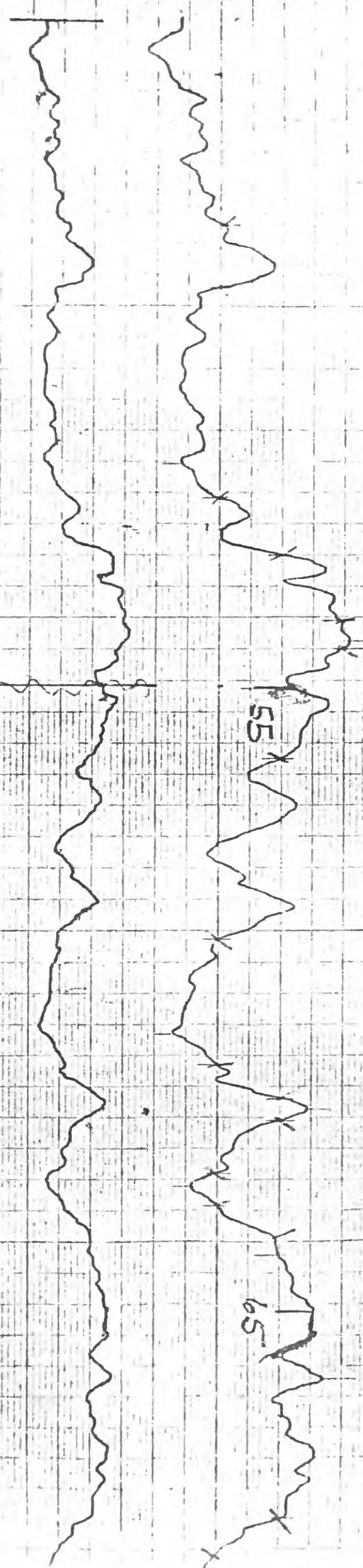
ND
L-440 N.W

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L-442

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16 17 18 19

99114
22 23 25

L-446 N.W.

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L-448
N.W.

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3RD. PROMPTLY

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L-450
N.W.

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L-452 N.W.

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PHOTO PLATE A 4 X 20

L-454 N.W.



15

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X08

99450

994

X04

X02

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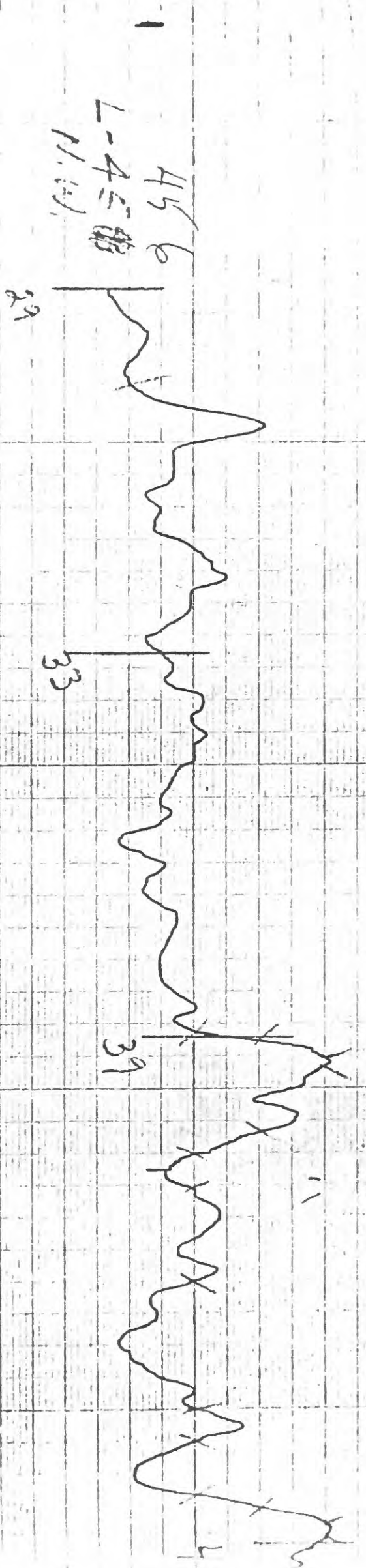
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3rd. PR. C. 11

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Pressure

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L-458 NW



Est. 1930

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X 30

X 30

X 30

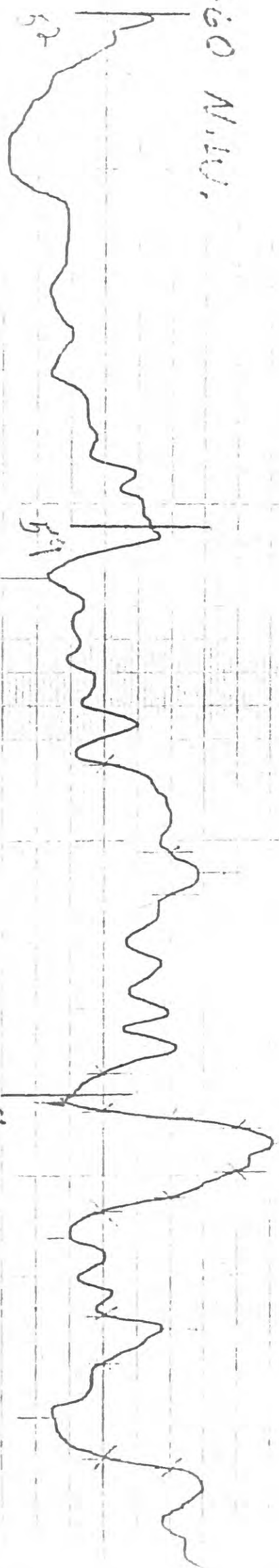
930

X 30

X 30

930

-460 N.W.



9175

91359

9114

X
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X
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22-23

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L-462
N.W.

99418

X
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L-266
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11131

137

138

143

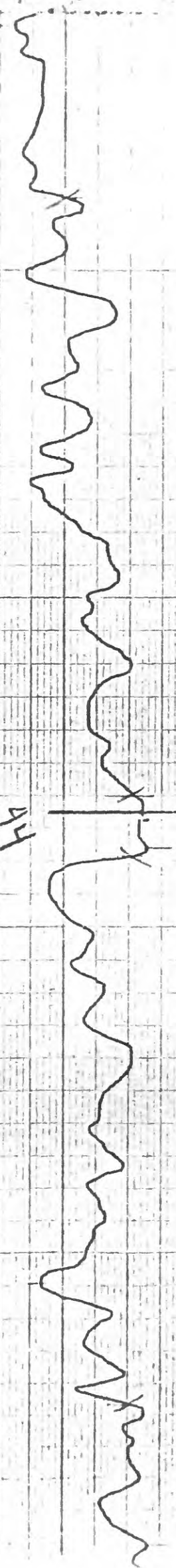
144

150

99115

151

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137

138

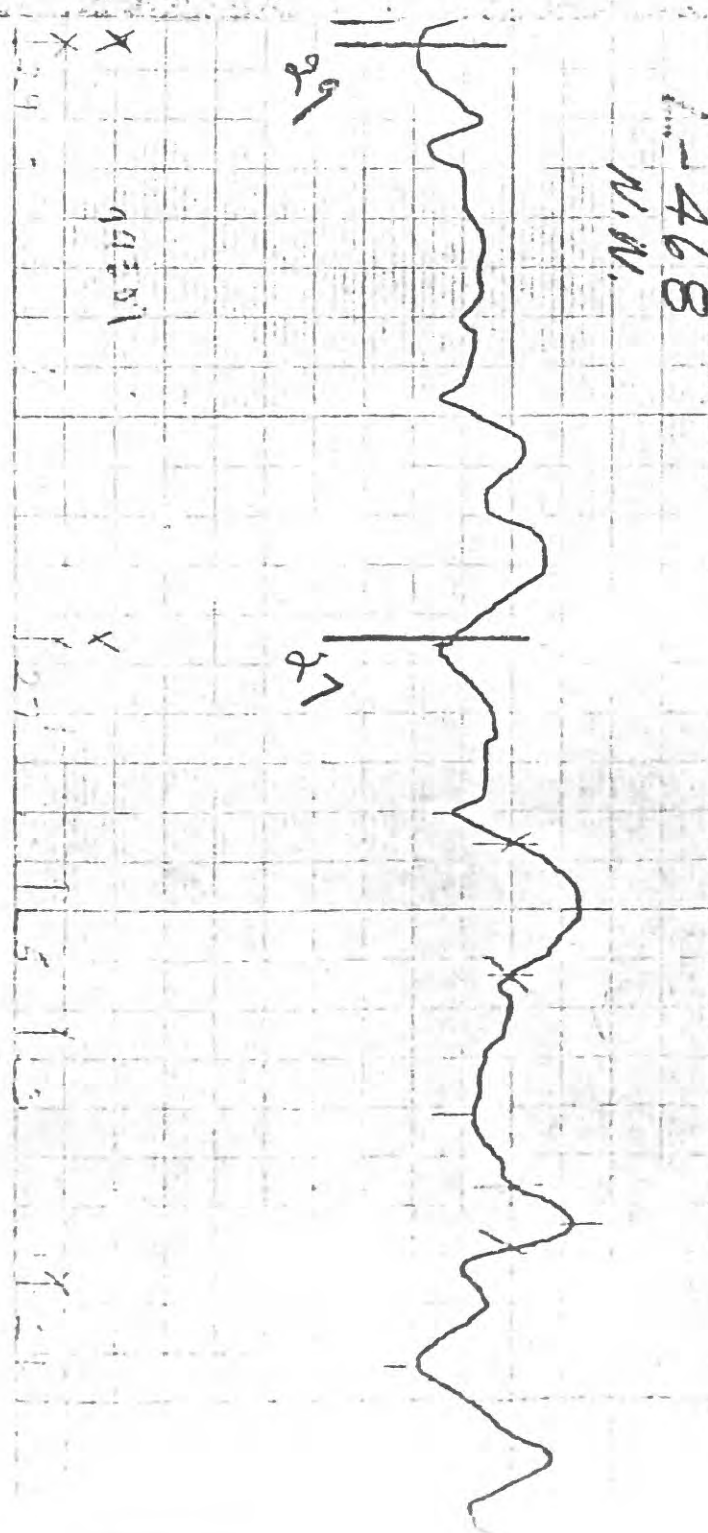
143

144

150

99115

151



PROFILE PLATE A 4800
TRAFFIC MAP

L-470 N.W.



36 | 10320

X A1

X A2 X A3

X A4

X A5

X A6

X B1

X B2

X B3

X B4

99173

X

91152



L-472

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992

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987

985

983

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99718

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99157

L-474

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X88

X91

X92

X94

X95

X98

15001

99187

497

ND | 17481

81

L-476 N.W.

173 172

170

167

165

163

161 160

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99375

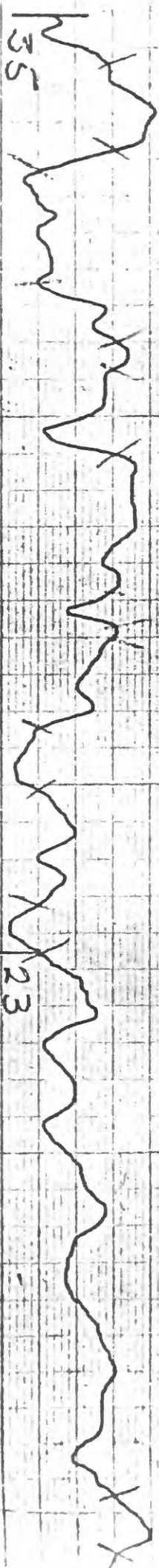
67

61

52

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L-478



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L-480

F39

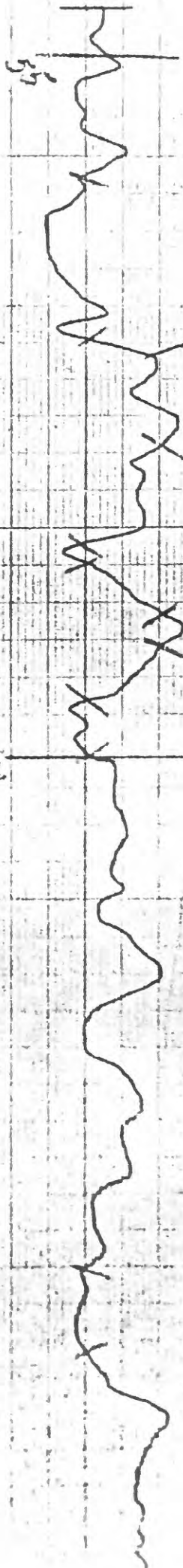


51

6750

PROFILE

L-432 N.W.



55 X

97370
55 X

48 X

46 X
44 X

43 X

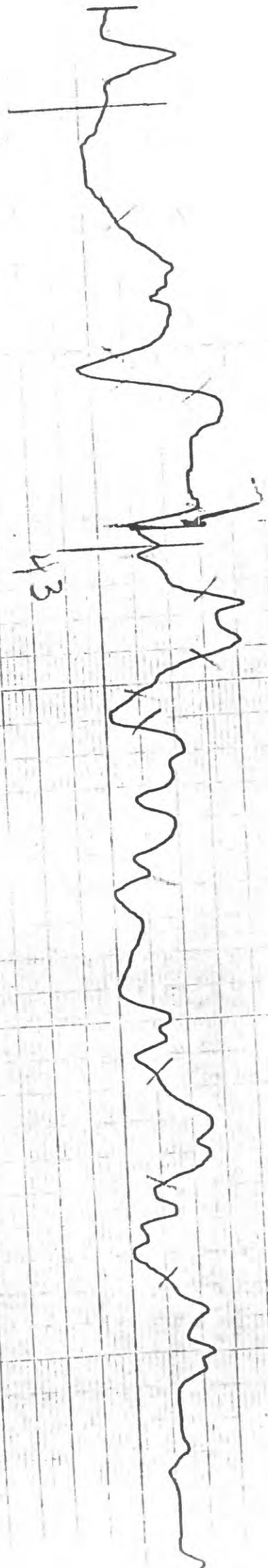
41 X

35 X

37 X

99552

L-434
N.E.L.



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4-11-60

4-5-60
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L-486
N. 44



3153-54

X 35

X 57

59

60

62

65

68

X 66

X 68

X 69

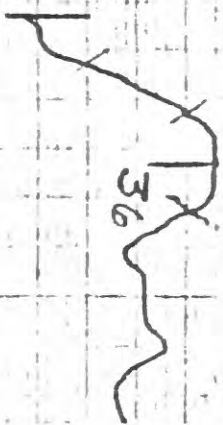
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X 72

X 73

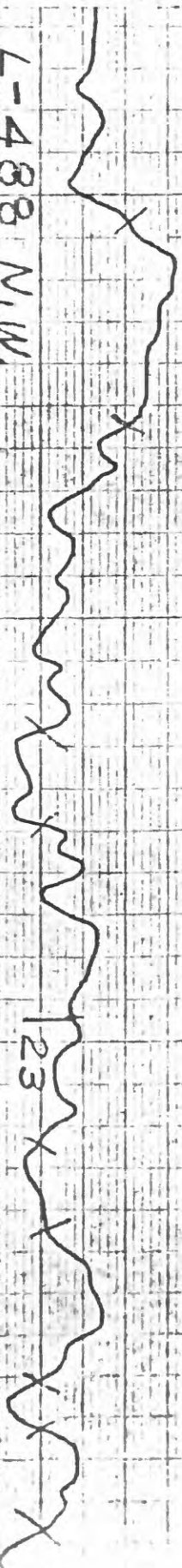
09165

09192



237-811
 136
 134

L-488 N.W.



99383
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 31
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 22
 21
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3-65

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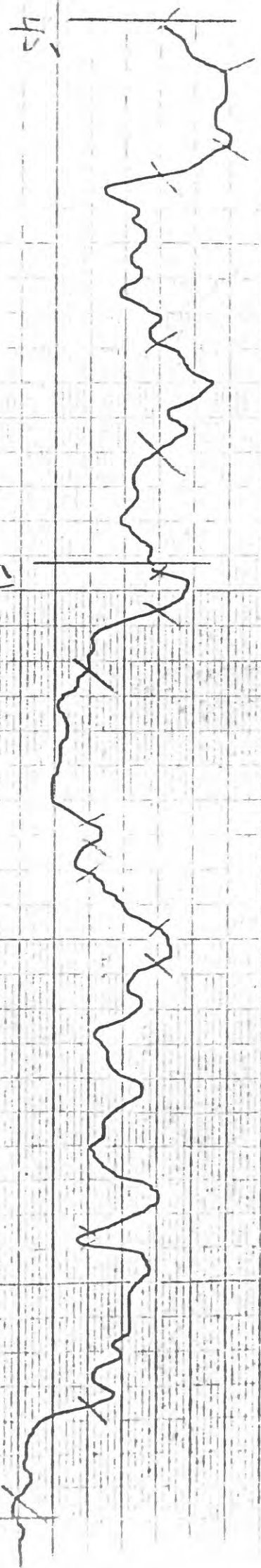
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064-7



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94.82
 94.7
 95.1
 95.4
 95.6
 95.7
 95.8
 95.9

94.119

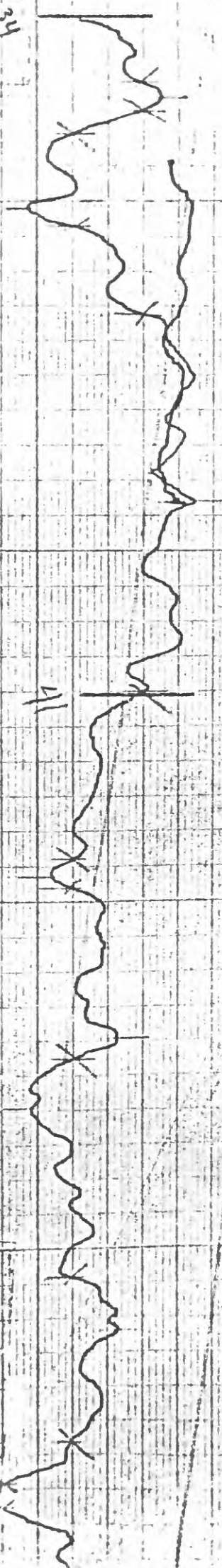


L-492

N.J.

95.0
 95.1
 95.2
 95.3
 95.4
 95.5
 95.6
 95.7
 95.8
 95.9
 96.0
 96.1
 96.2
 96.3
 96.4
 96.5
 96.6
 96.7
 96.8
 96.9
 97.0
 97.1
 97.2
 97.3
 97.4
 97.5
 97.6
 97.7
 97.8
 97.9
 98.0
 98.1
 98.2
 98.3
 98.4
 98.5
 98.6
 98.7
 98.8
 98.9
 99.0
 99.1
 99.2
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 99.4
 99.5
 99.6
 99.7
 99.8
 99.9
 100.0

34



494 N.W.

X

990.88
991.00
991.12
991.24
991.36
991.48
991.60
991.72
991.84
991.96
1000.00

X

991.00

X

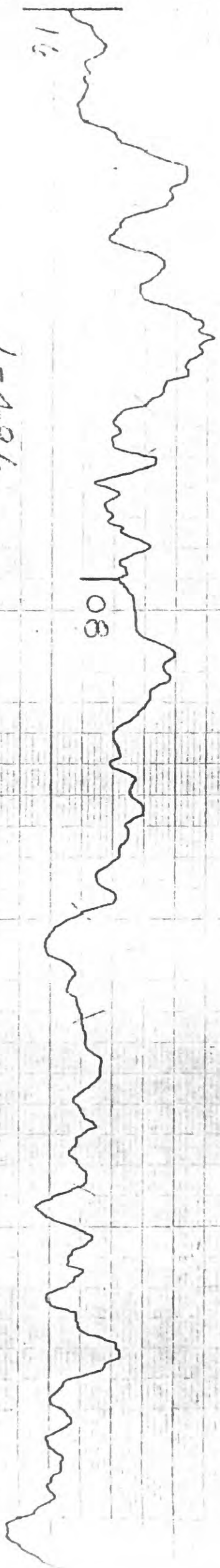
991.12

991.24

991.36
991.48
991.60
991.72
991.84
991.96
1000.00

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991.12



L-496
N.W.

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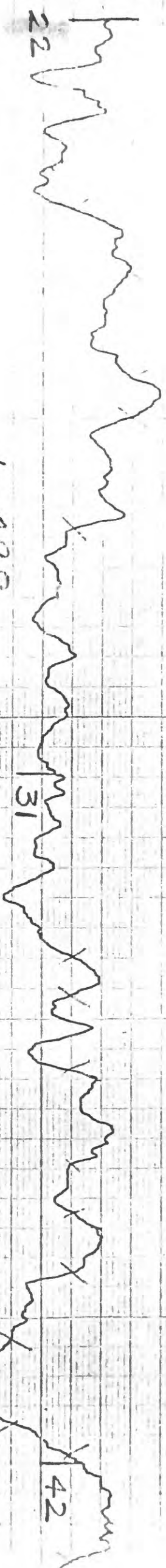
97

0

150

22

L-498
N.W.



31

42

X

710

7-2 1-3

1-3

2-4

3-5

4-6

31

33

950

37

39

42

X

10-11-12-13-14



2-500 M.W.

L-502
M.W.

28

5021-25

X 26 ↑ 25

922

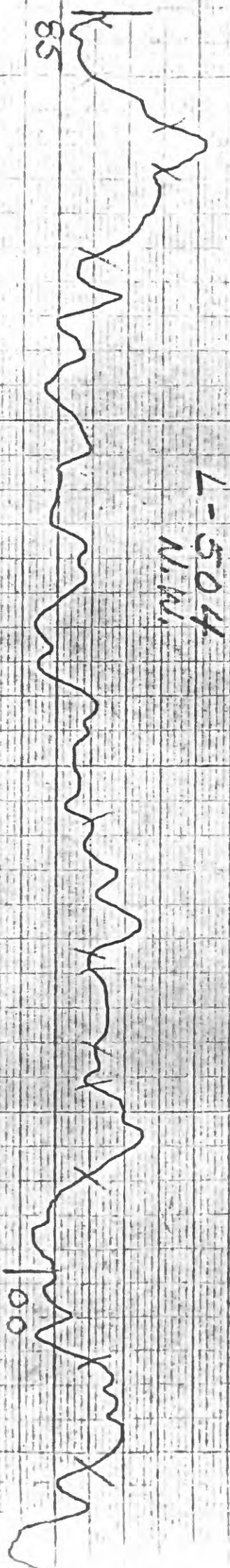
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916 915

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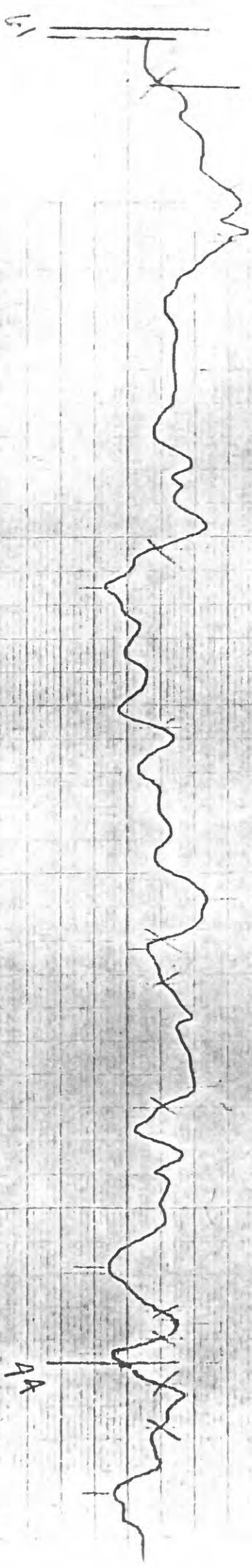
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



--506 N.W.

99593

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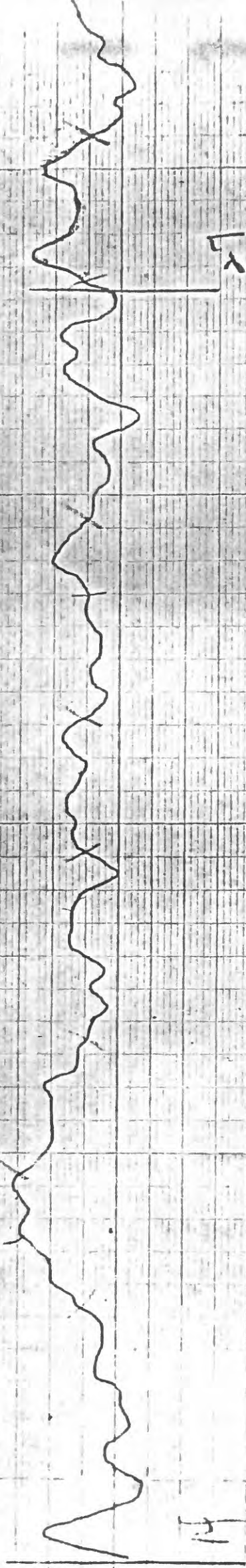
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L-508

N.W.



97317

X

X₁₄

915

X₁₆

X₁₈

920

X₂₂

X₂₃

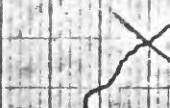
X₂₅

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X₂₇

930

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83

2912

x

9. 100 198

95 194 993

94318

987

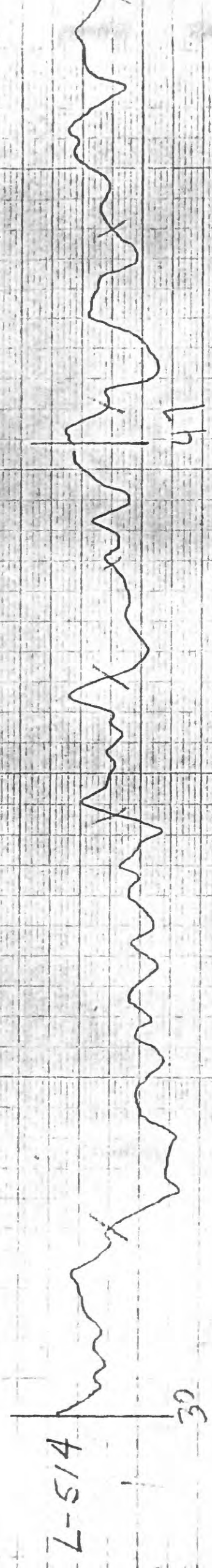
985

983

982

LINE 512 N.W.

19 17 15 13 11 9 7 5 3 1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52



30 32 33 37 45 47 52

L-516



9.23

X 33 P 32

9 30 P 29

9.46

X 22

9 18

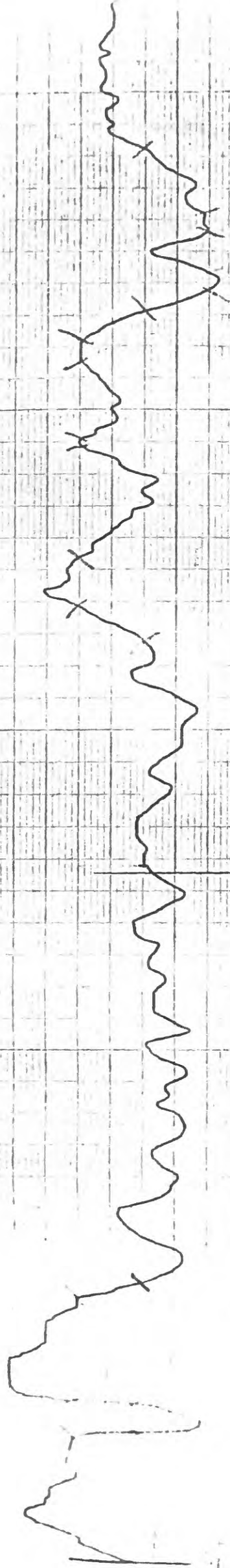
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10/11 315-7

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85





L-520 NW.

110

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x

981

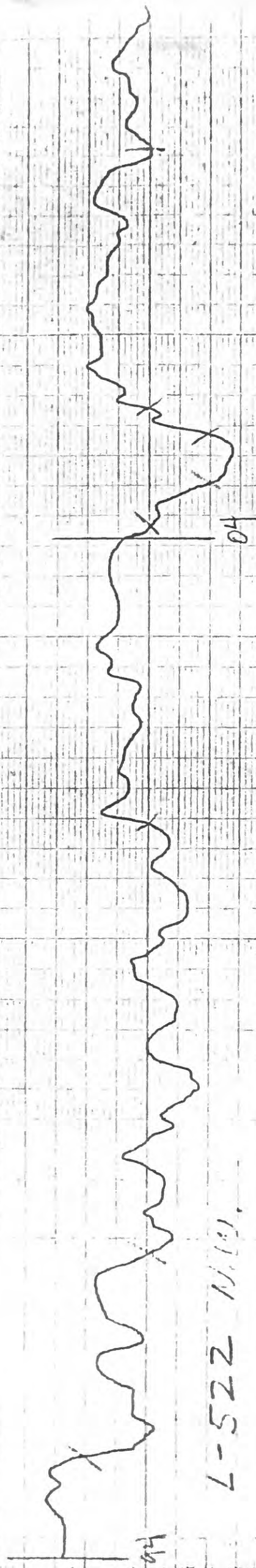
12

779

x

974

972

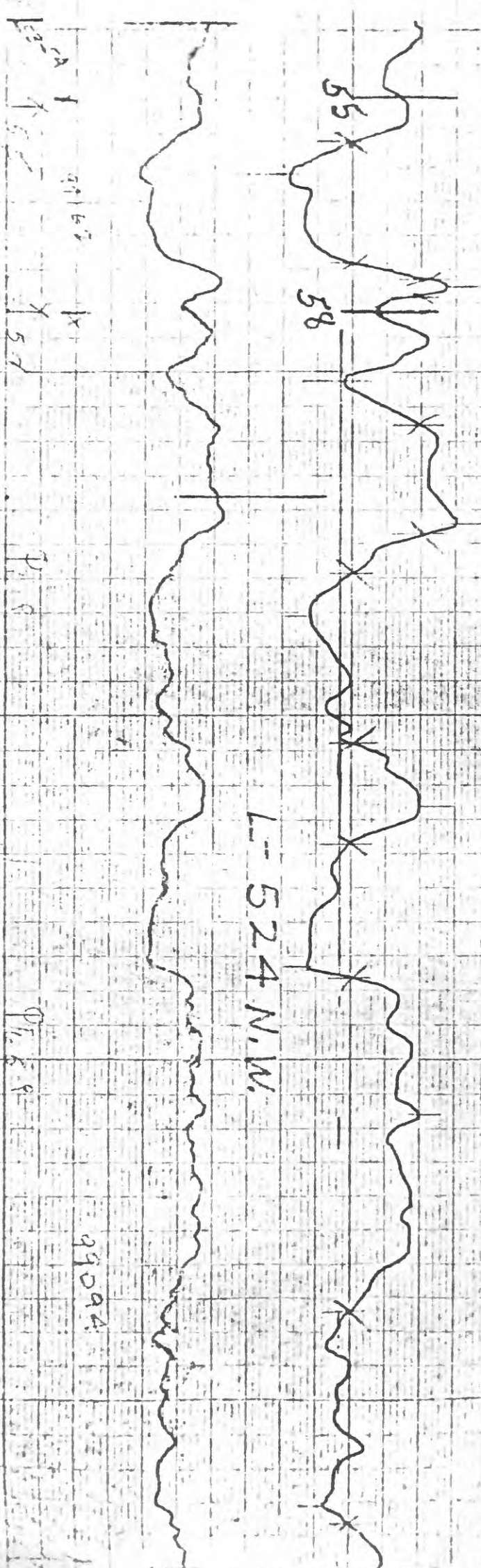


x 24 1995

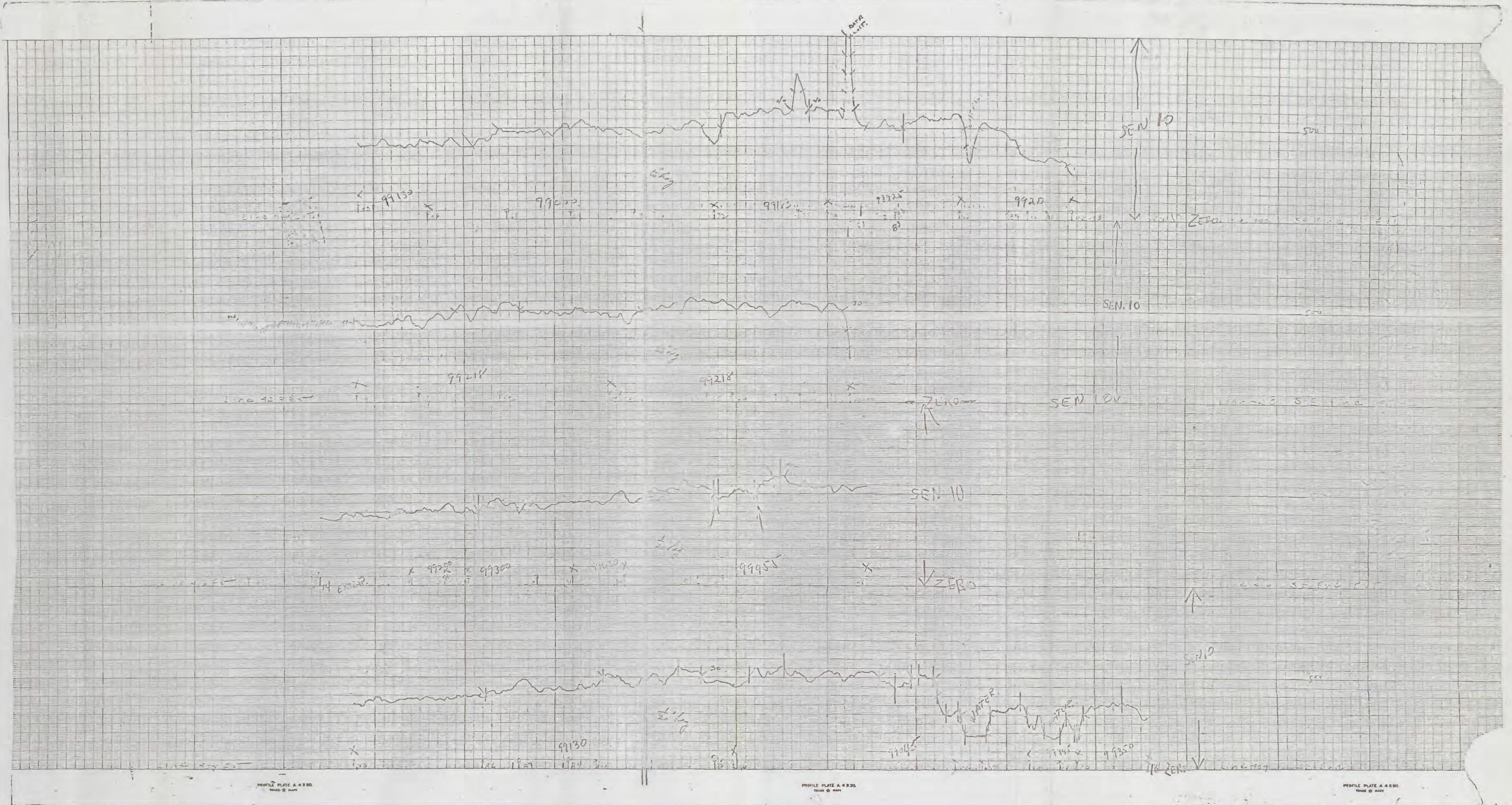
9973

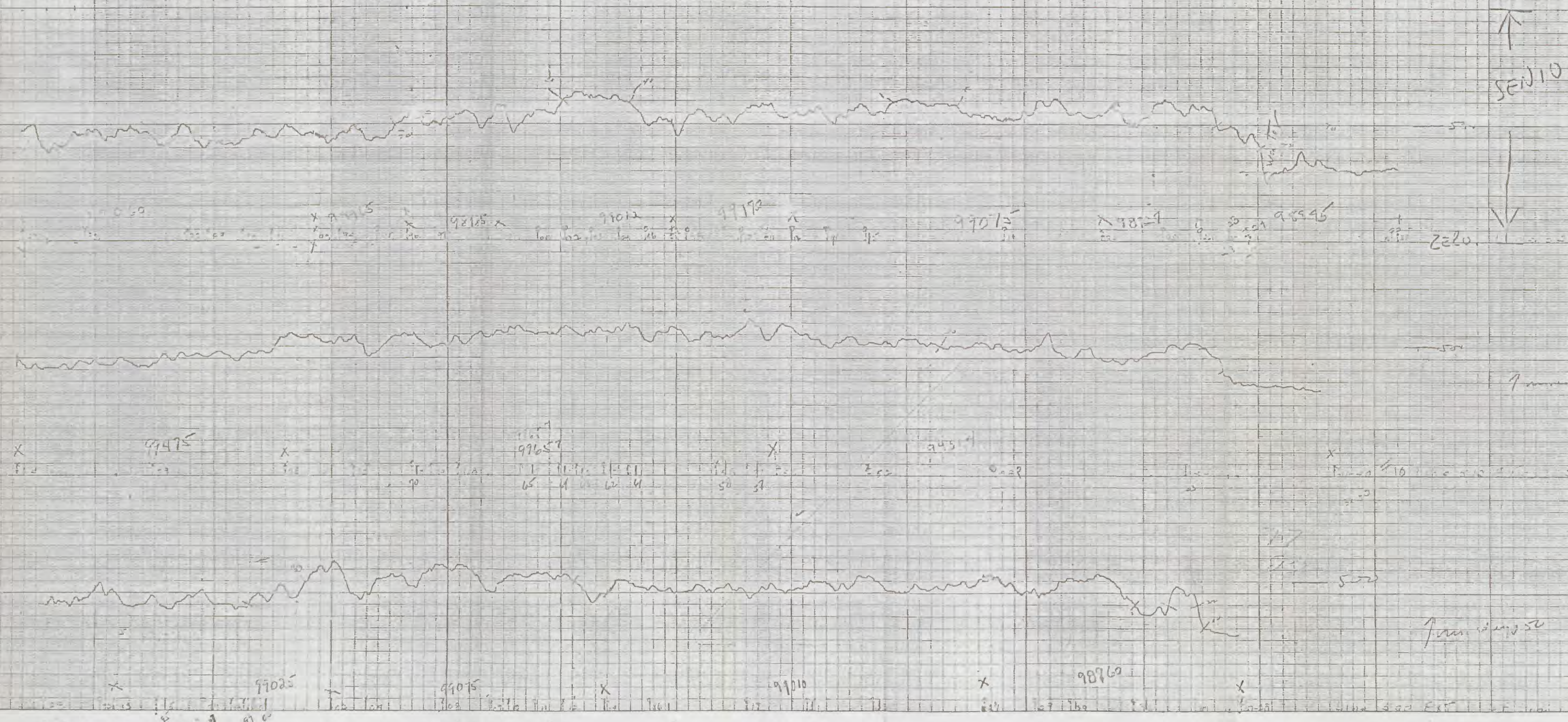
x 04

014 915



L-524 N.W.





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SE 110

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SE 110