

*Very Important*

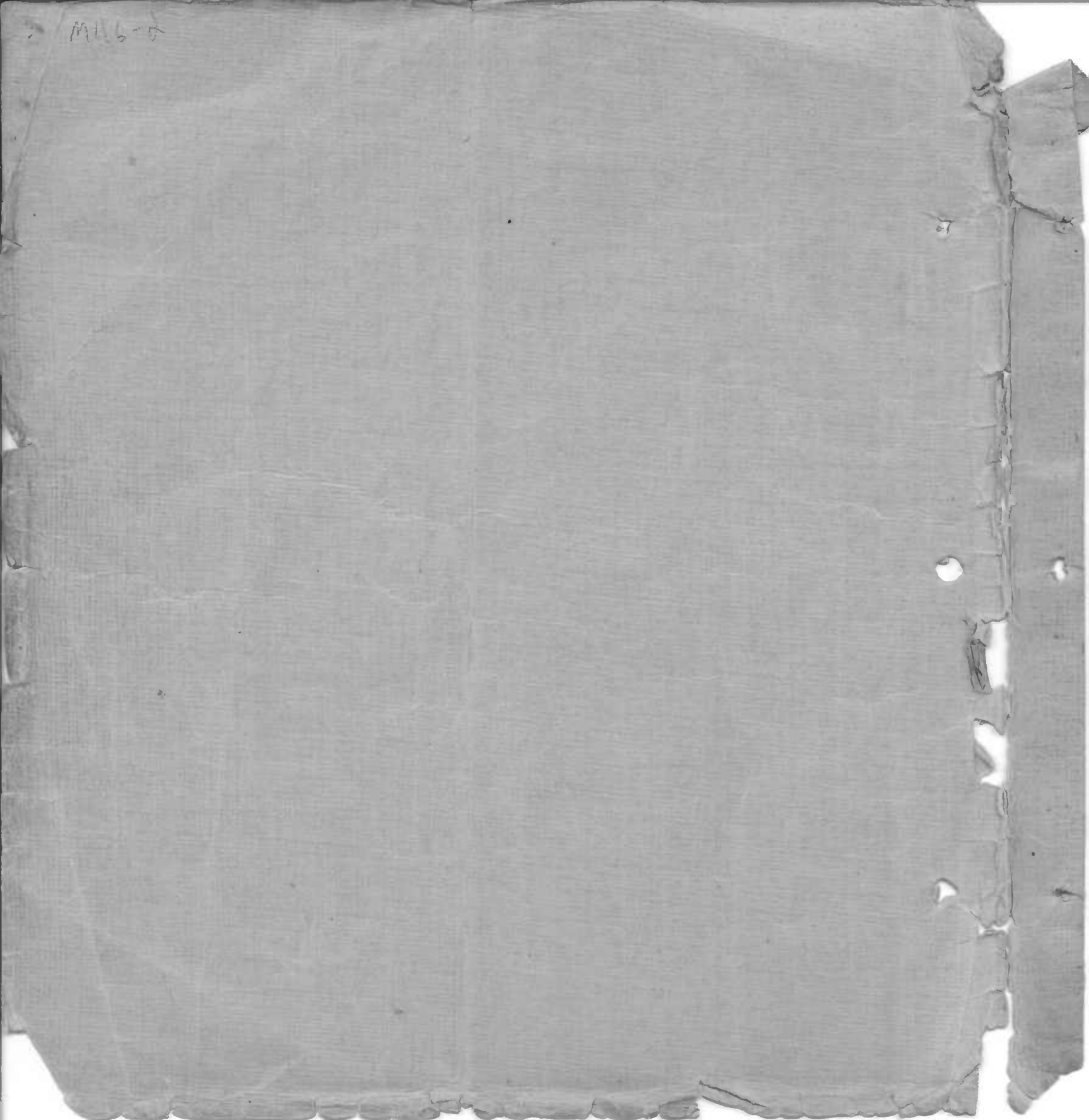
# ST. MICHAELS

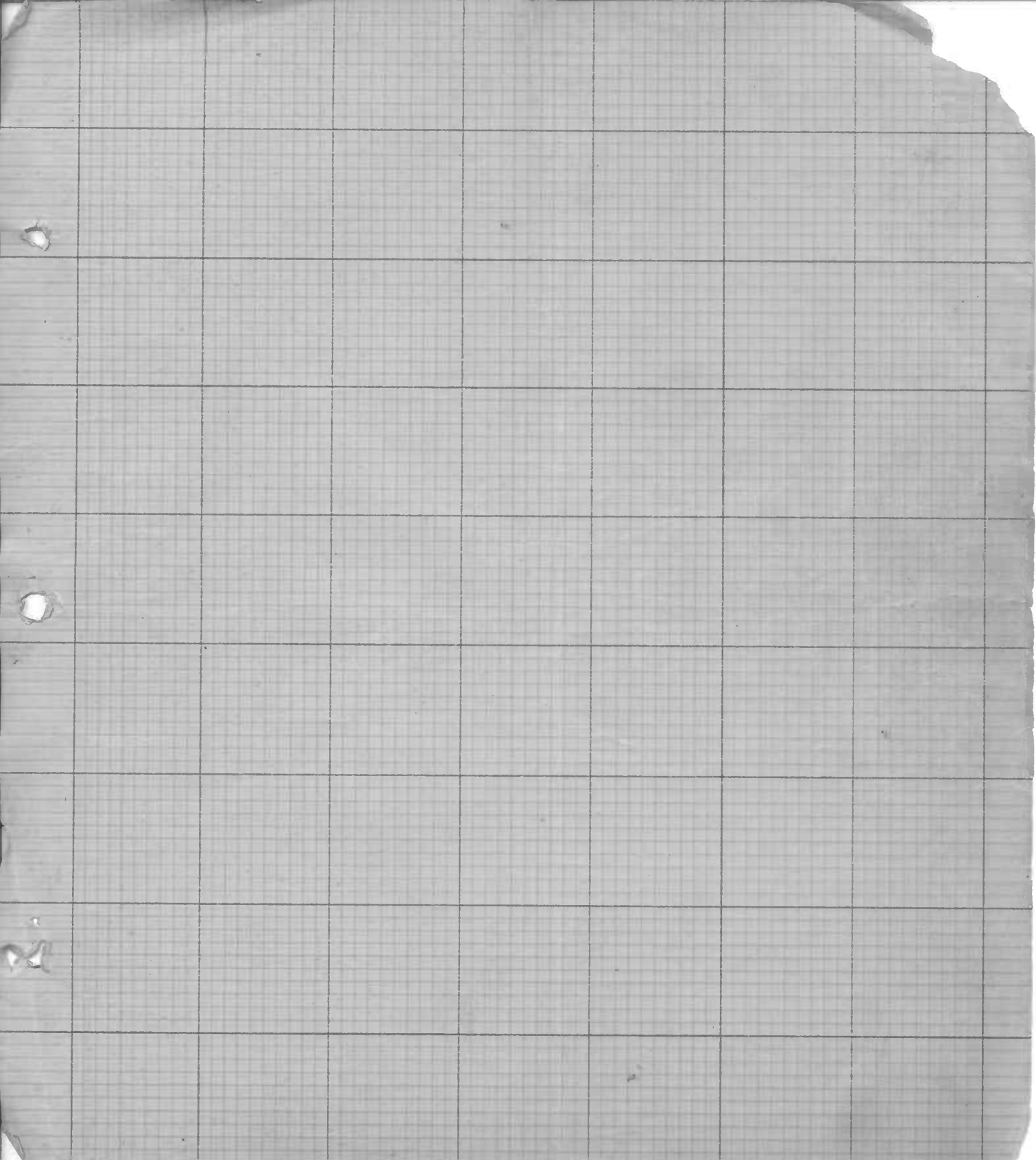
## MARYLAND

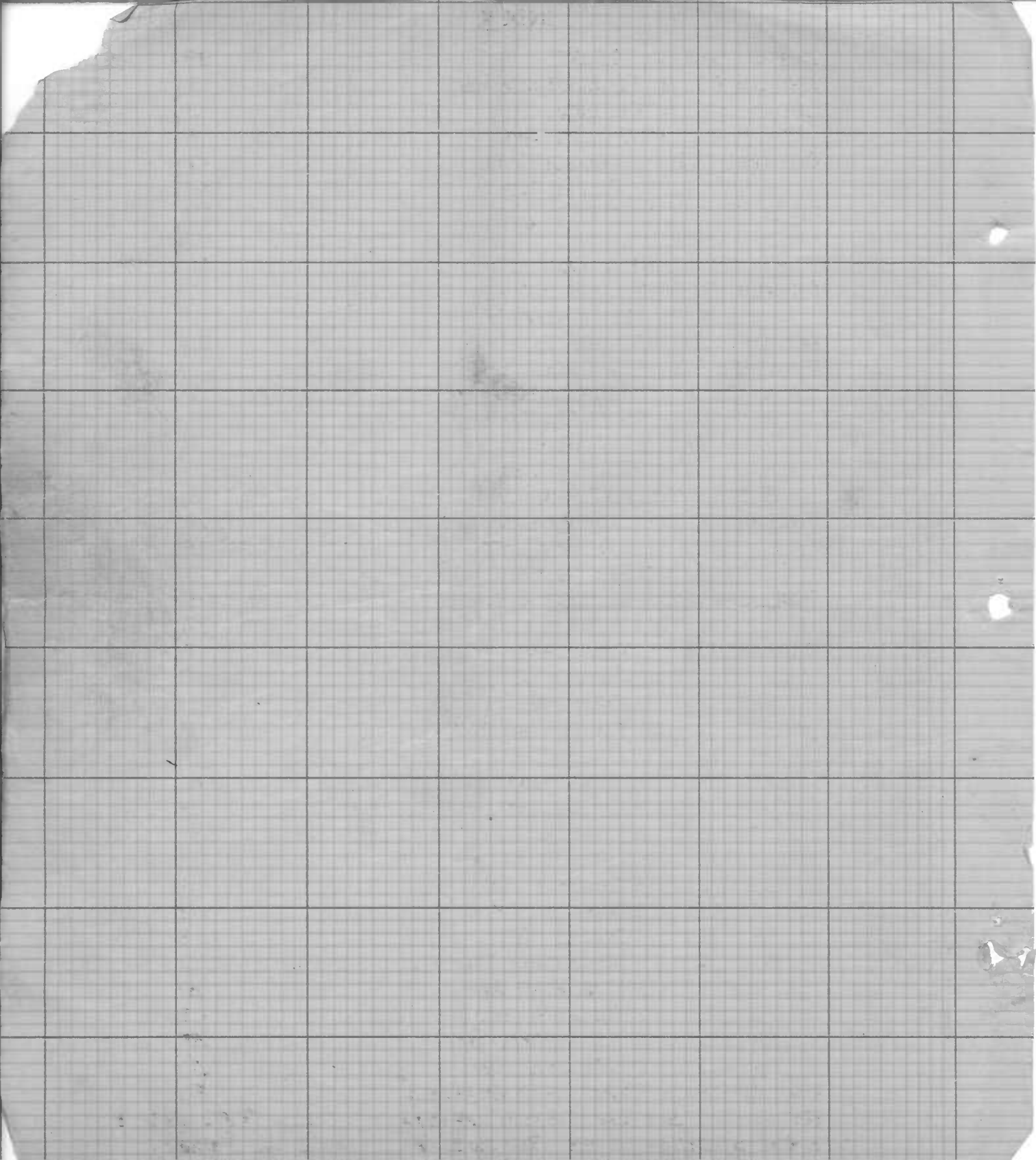
ESTABLISHED CURB LINES & GRADES  
BENCH MARKS

OFFICE  
OF  
LEVIN J. HOUSTON JR.  
CIVIL & CONSULTING ENGINEER  
BALTIMORE MD.  
AUGUST 1918

ML 6-5







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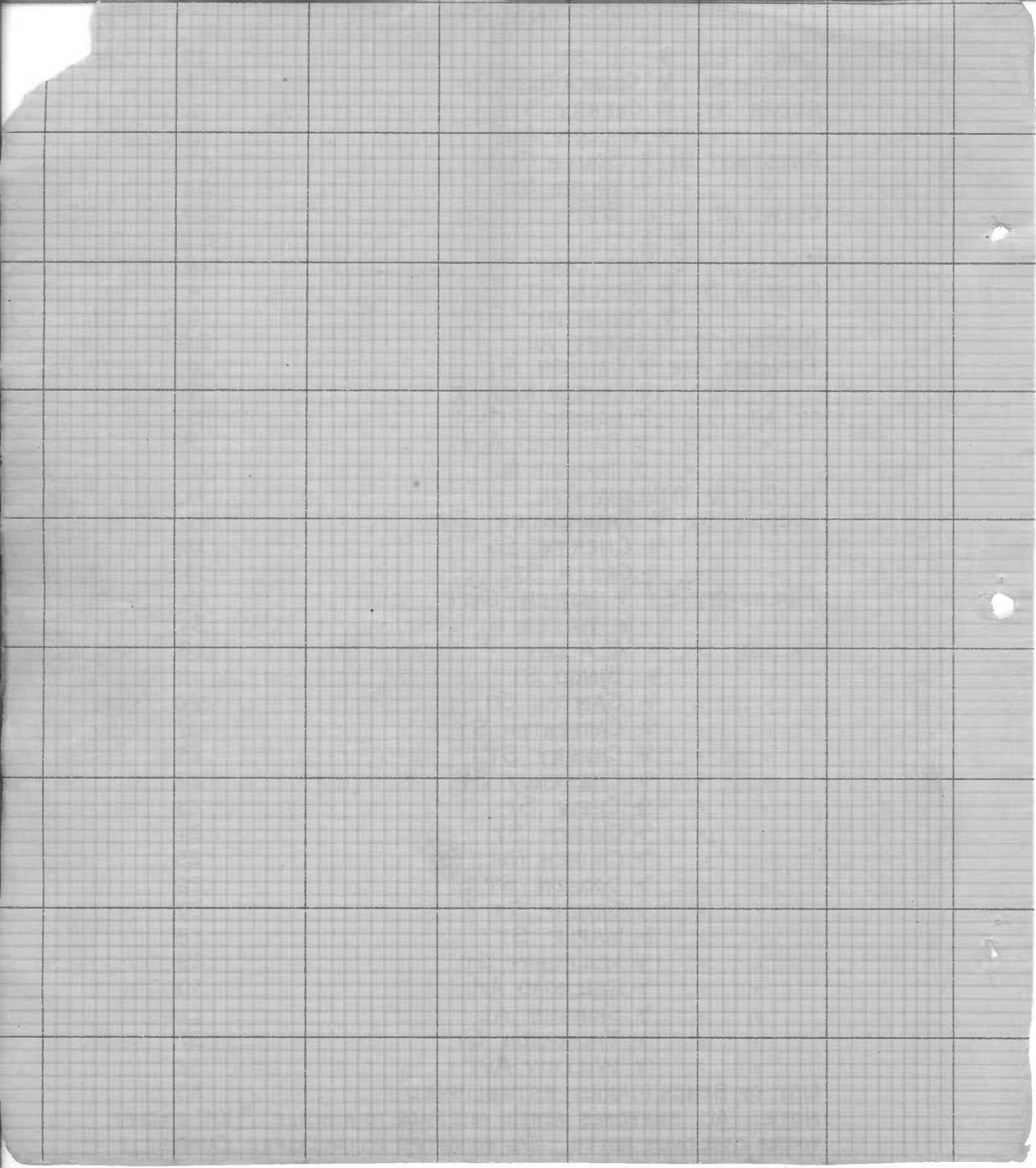
BINGO ST & "L" ST	19
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CEDAR ST & CHERRY ST	2
" " & WILLOW AVE	3
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LIST OF BENCH MARKS ESTABLISHED

35

NOTE:- ALL SKETCHES HEREIN ARE MADE TO A SCALE  $1^{\text{IN}} = 10^{\text{FT}}$  EXCEPT WHERE OTHERWISE NOTED. RED INDICATES ESTABLISHED CURBS.





41.50

30.0  
El. 8.80  
El. 9.0

El. 8.99  
El. 9.0

CHURCH

NECK

ROAD

6.0

El. 8.68  
El. 9.0

El. 8.37  
El. 9.0

2.50

19.5

CHERRY ST.

M.H. 45 N.C. El. = 10.0  
" " S.C. El. = 10.0

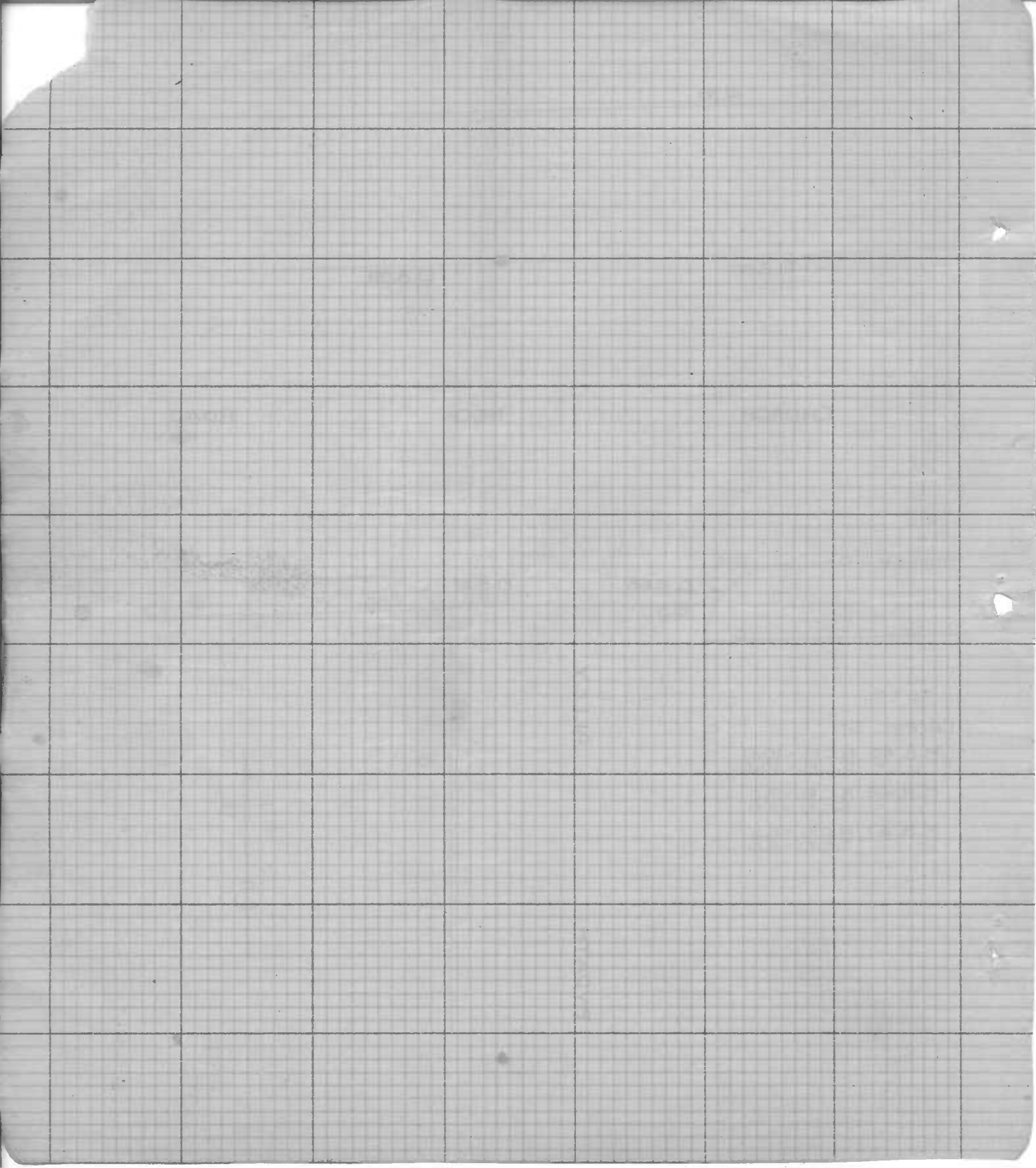
M.H. 46 N.C. El. = 9.0  
" " S.C. El. = 9.0

M.H. 47 N.C. El. = 8.0  
" " S.C. El. = 8.0

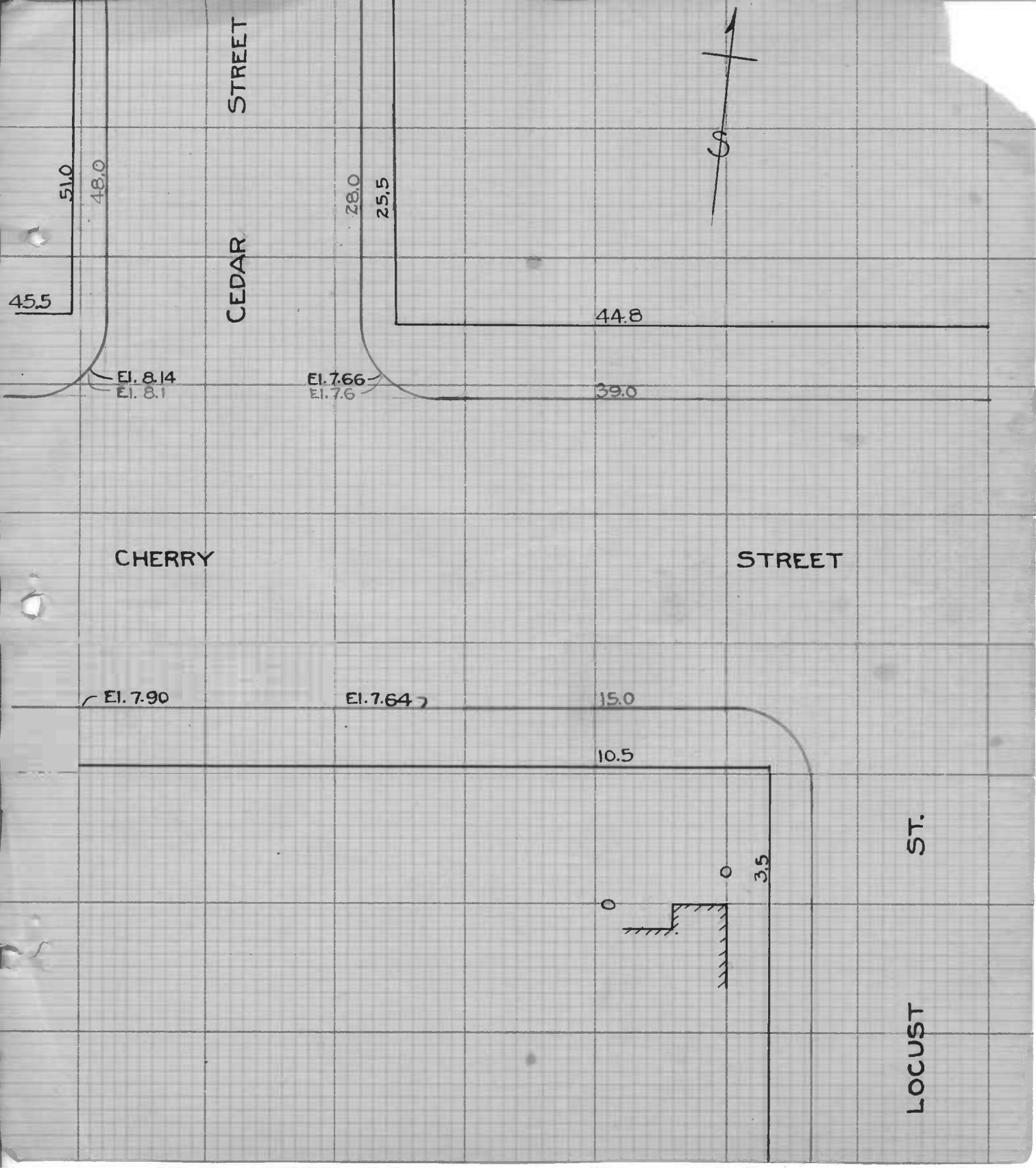
ALLEY

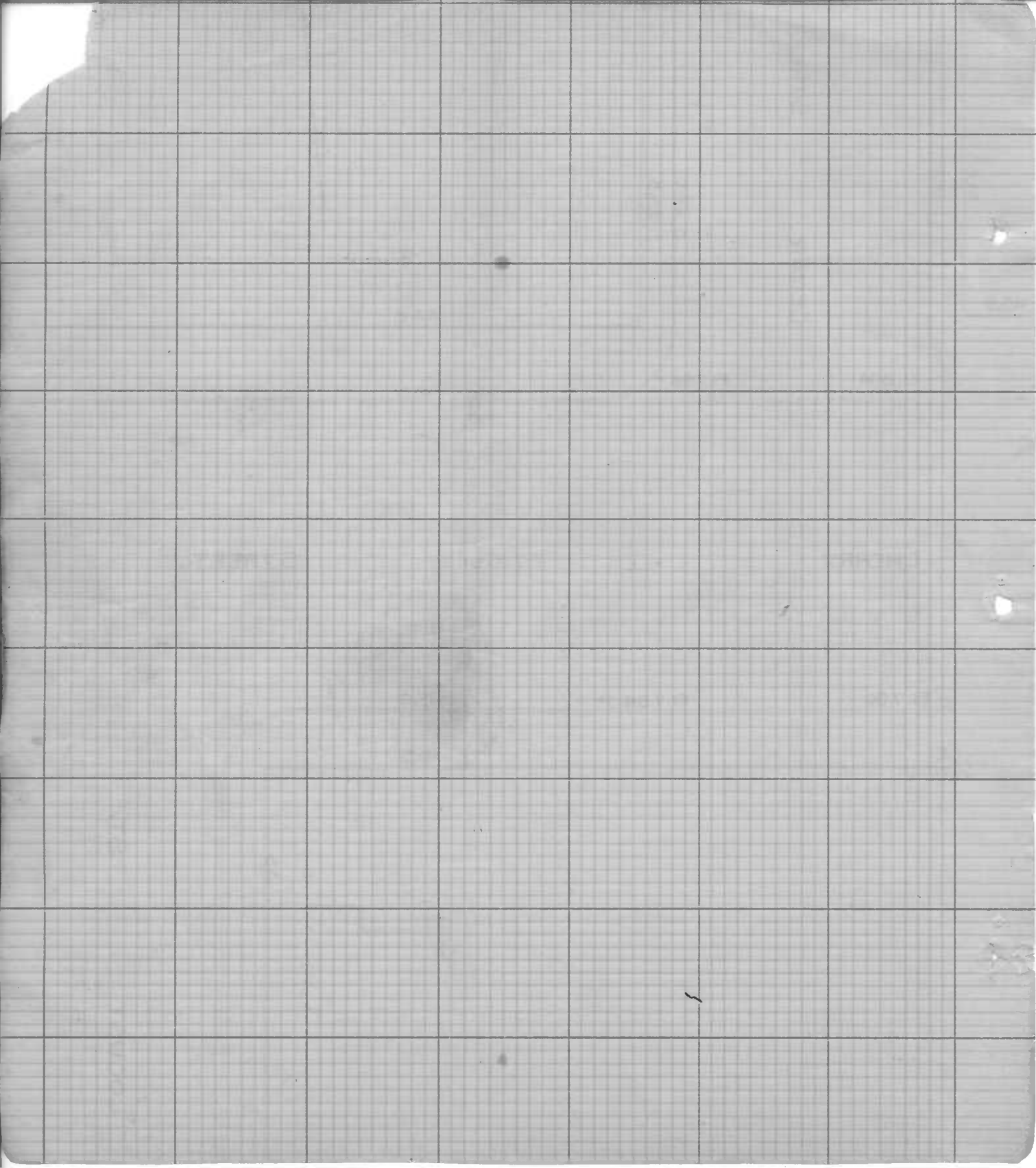
BYDATH

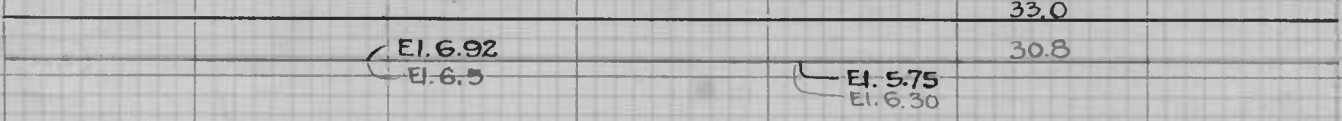






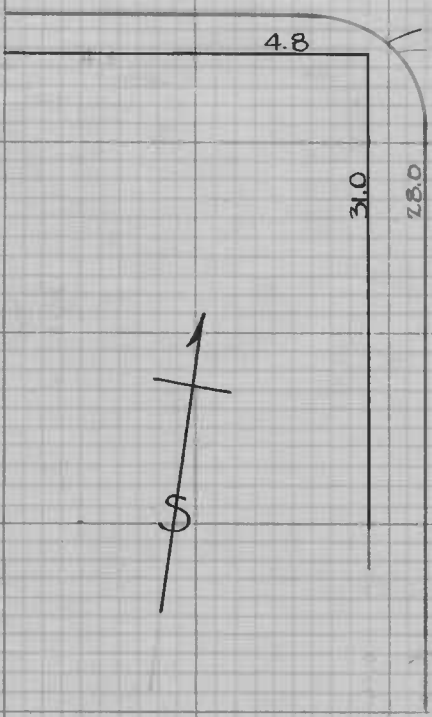






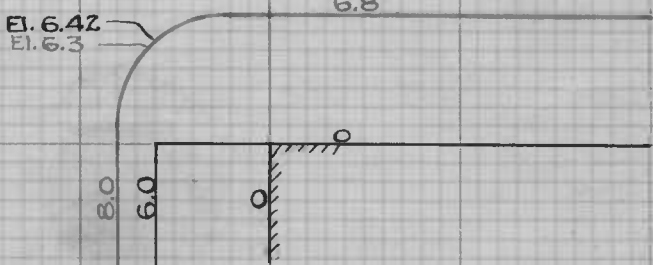
WILLOW

STREET



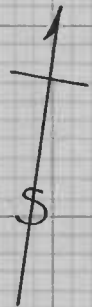
STREET

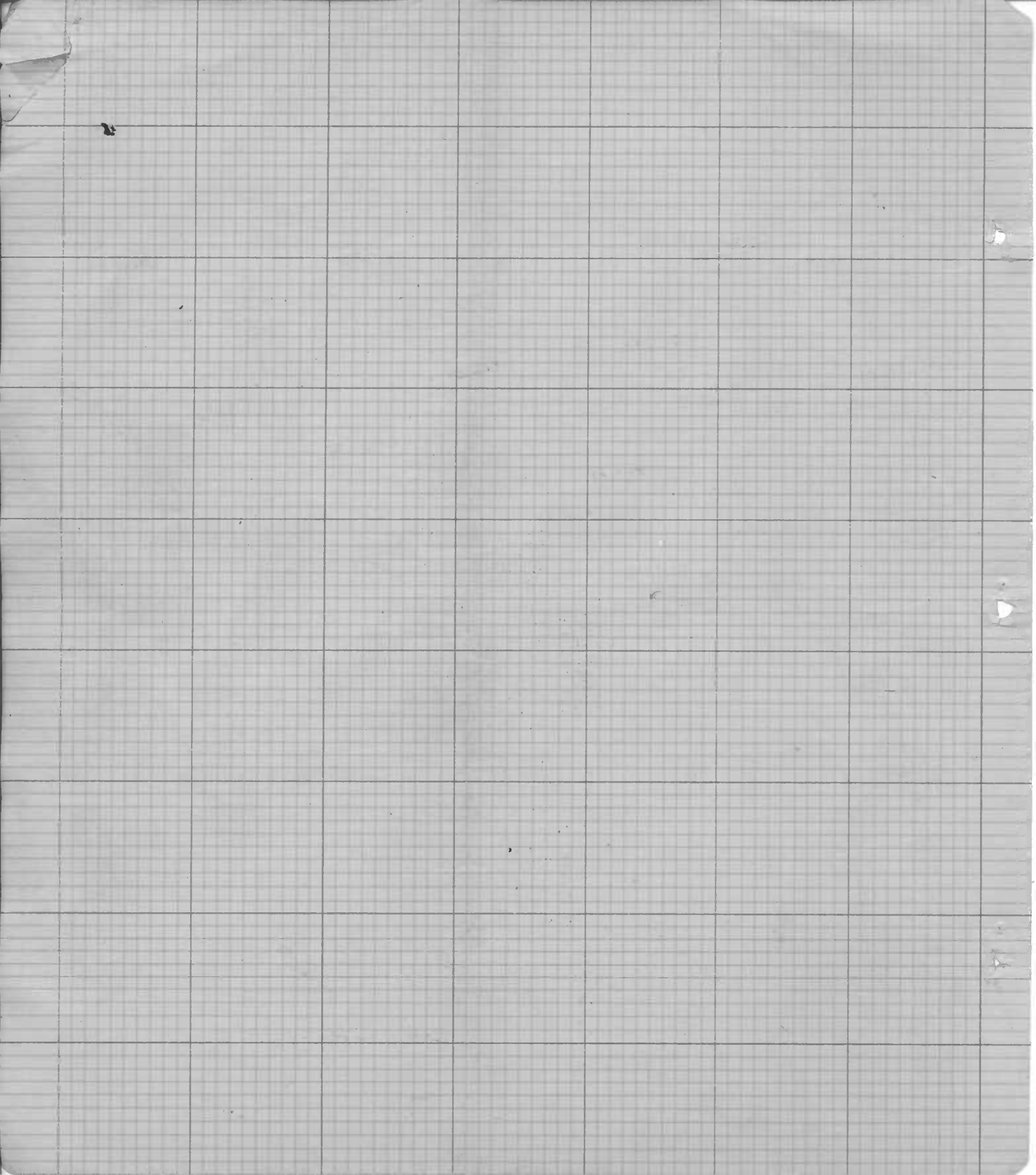
CEDAR

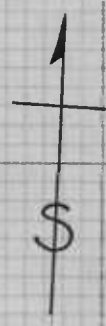


190' E. Cedar N.C. El. = 3.0  
 " " " S.C. El. = 3.0

600' E. Cedar N.C. El. = 4.5  
 " " " S.C. " = 4.5







NOTE: Scale: 1"=20'

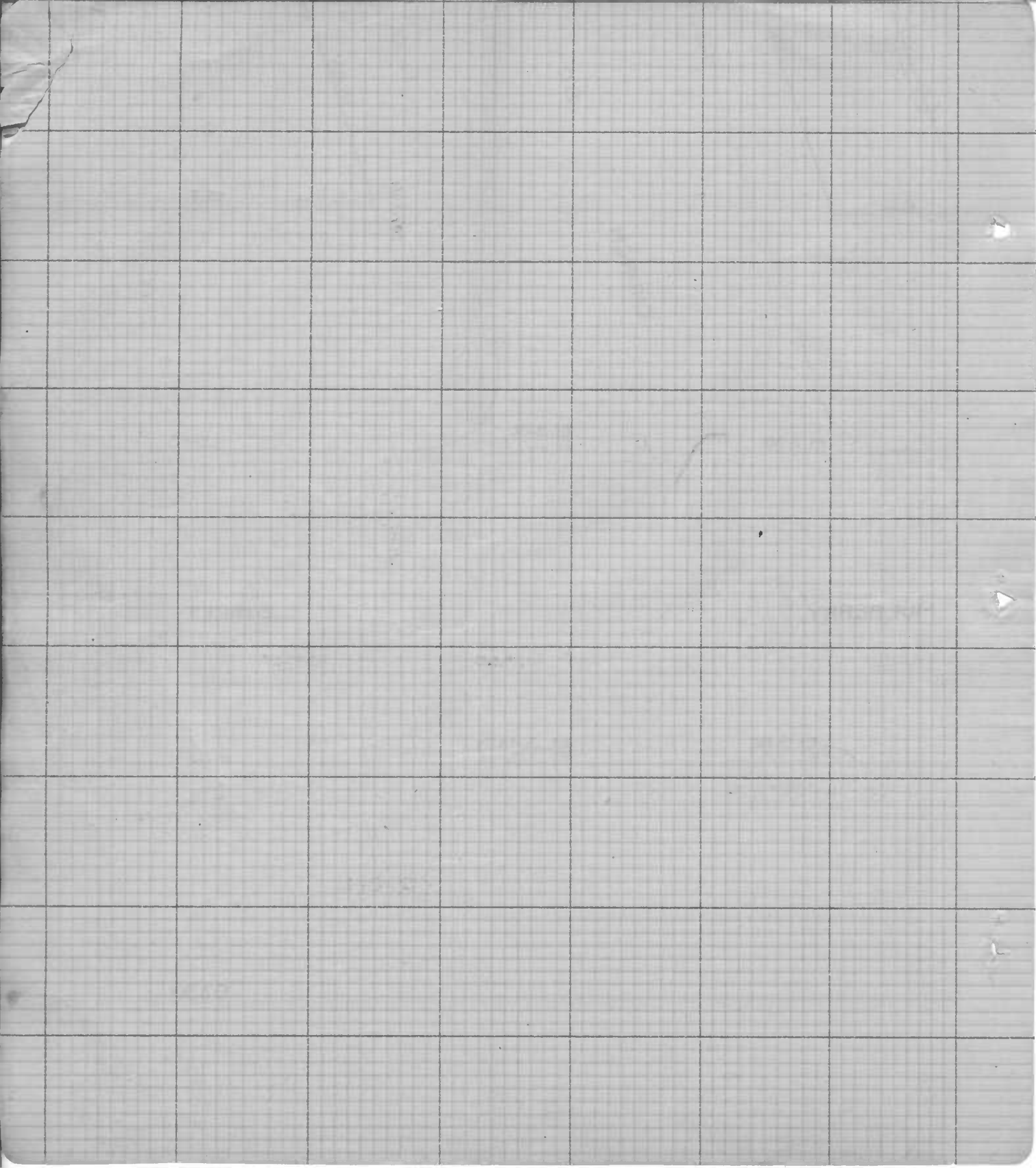


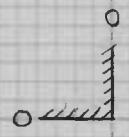
2

31

31







22.20

15.70

23.7

AVENUE

FREMONT

47.70

54.80

CANTON

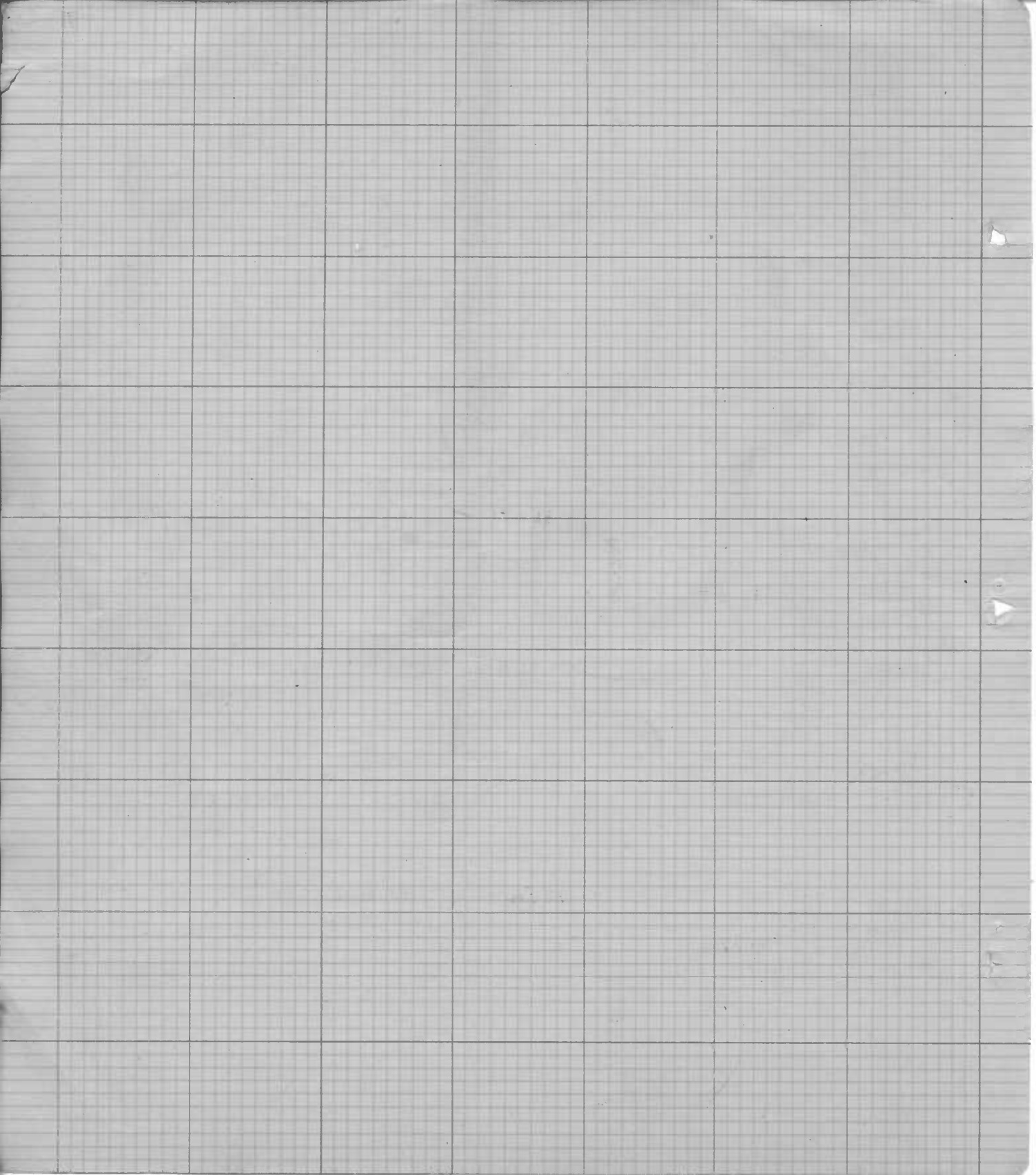
STREET

39.90

El. 8.50  
El. 8.50

El. 8.29  
El. 8.5

El. 8.62  
El. 8.50



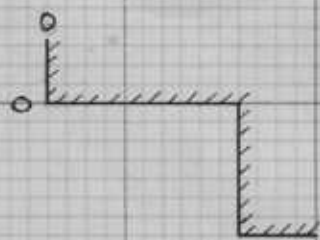


CHURCH

42.0  
44.50

18.0

5.0



18.0

25.0

El. 8.51  
El. 8.2

NECK

33.0

35.7

El. 8.30  
El. 8.0

AVENUE

FREMONT

49.0

51.0

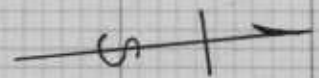
El. 8.0  
El. 7.81

ROAD

60.7

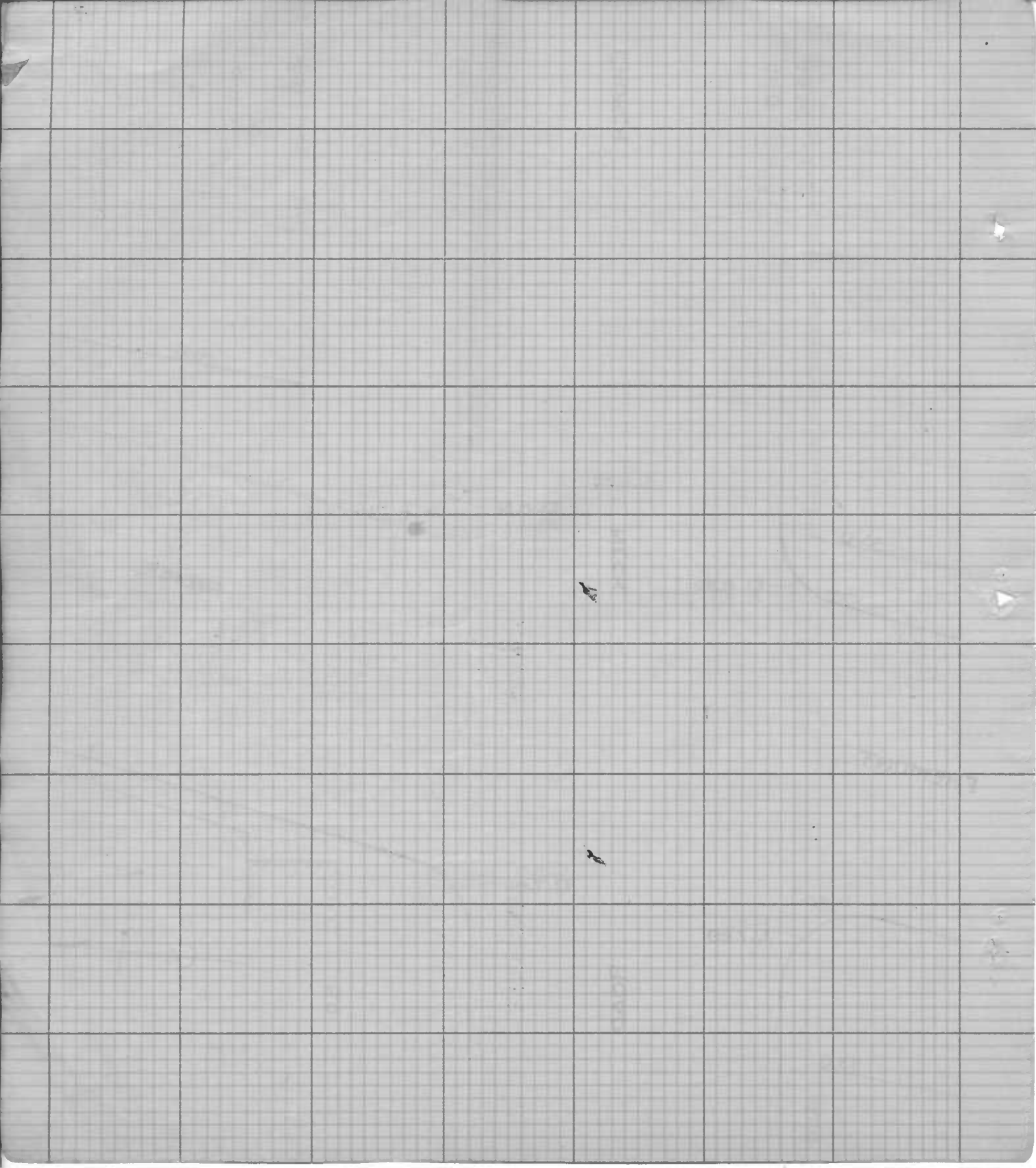
El. 8.0  
El. 7.89

8.0



13.0

45.0



DODSON

STREET

El. 6.16

El. 6.5

El. 6.5

El. 5.91

38.0

34.70

El. 6.22  
El. 6.5

El. 6.02  
El. 6.5

10.70

30.50

27.00

AVENUE

3.00

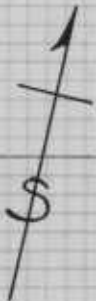
DODSON & PERRY ALLEY

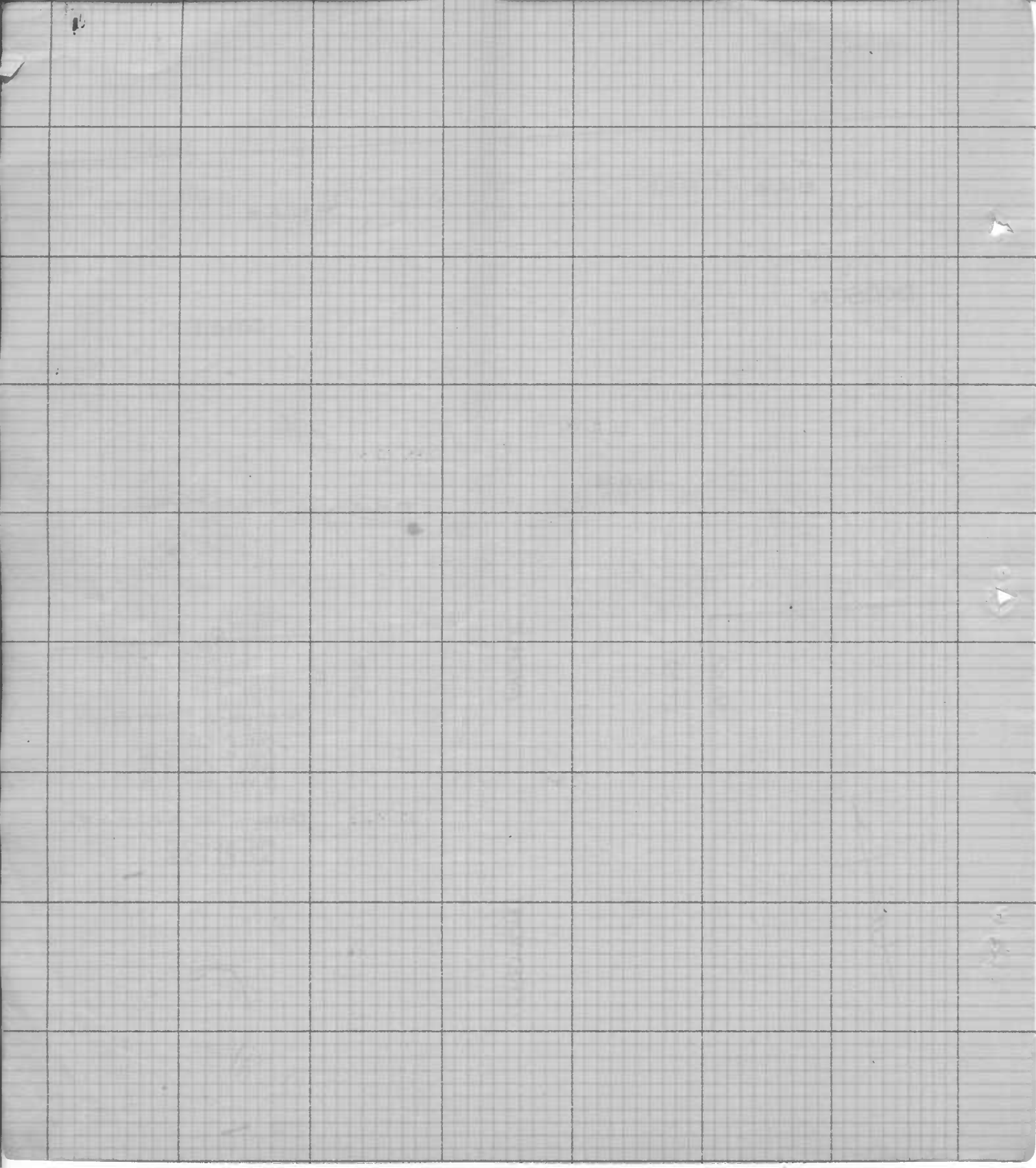
N.E.C. El.	= 9.5
S.E.C. El.	= 9.5
N.W.C. El.	= 9.5
S.W.C. El.	= 9.5

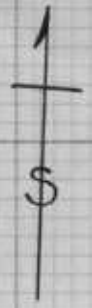
DODSON ST. & B.C.A.R.Y.

N.C. El.	= 7.5
S.C. El.	= 7.5

FREMONT







STREET

28.7  
29.80

5.0

EI. 7.73  
EI. 7.3

4.7

EI. 7.3  
EI. 7.67

12.75

RAILROAD

AVENUE

36.75

EI. 7.58  
EI. 7.0

EI. 7.64  
EI. 7.0

48.50

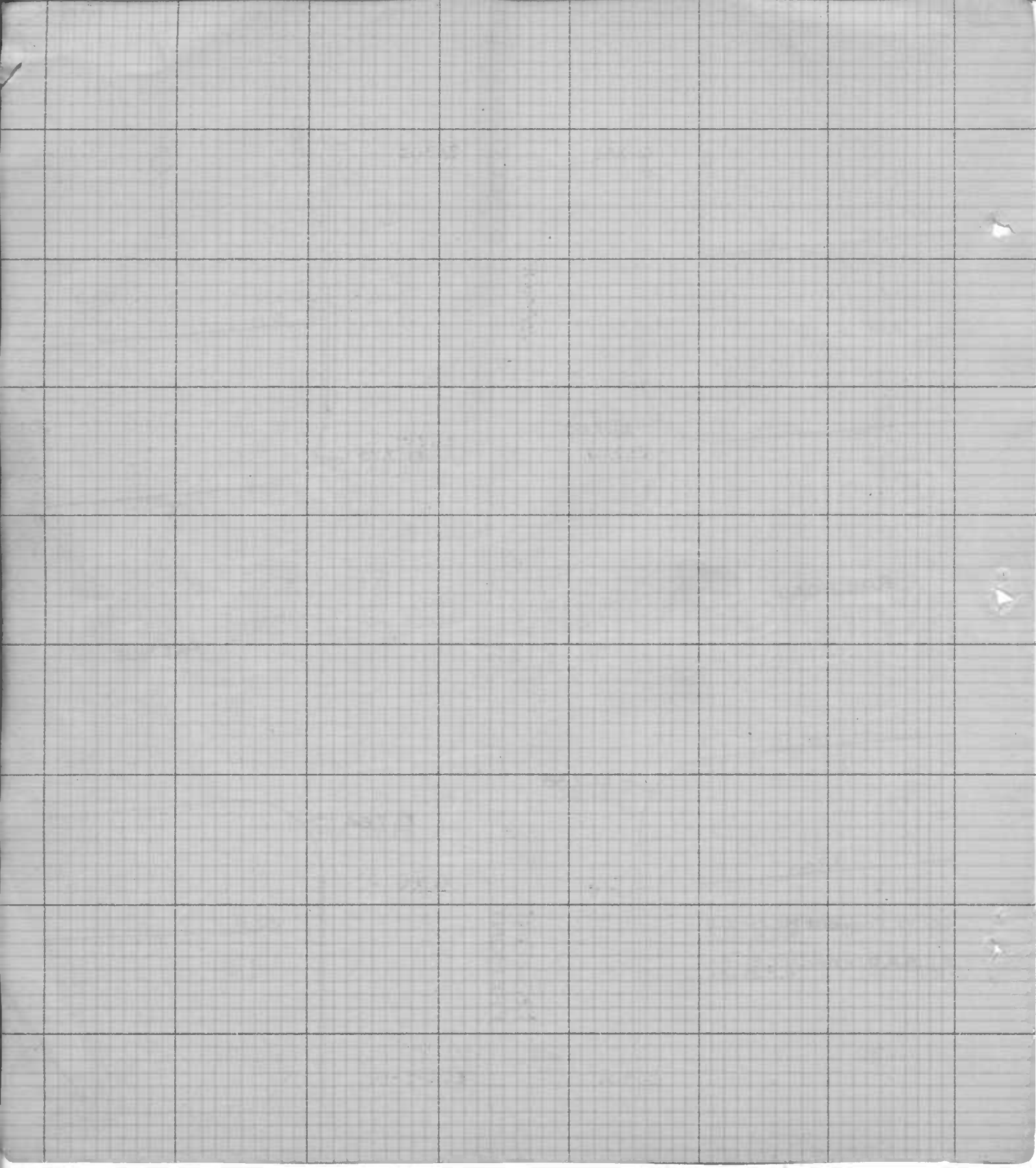
52.0

FREMONT

700' W. Fremont N.C. EI. = 10.0  
S.C. EI. = 10.0

B.C. & A. R. OF WAY N.C. EI. = 8.0  
S.C. EI. = 8.0







AVENUE

SKINNER

ALLEY

EI. 7.61  
EI. 7.7

EI. 7.62  
EI. 7.0

25.90

EI. 7.49  
EI. 7.7

EI. 7.41  
EI. 7.0

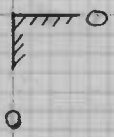
6.3

45.7

37.0

13.0

6.6



29.60

EI. 7.7  
EI. 7.42

EI. 7.0  
EI. 7.31

SKINNER

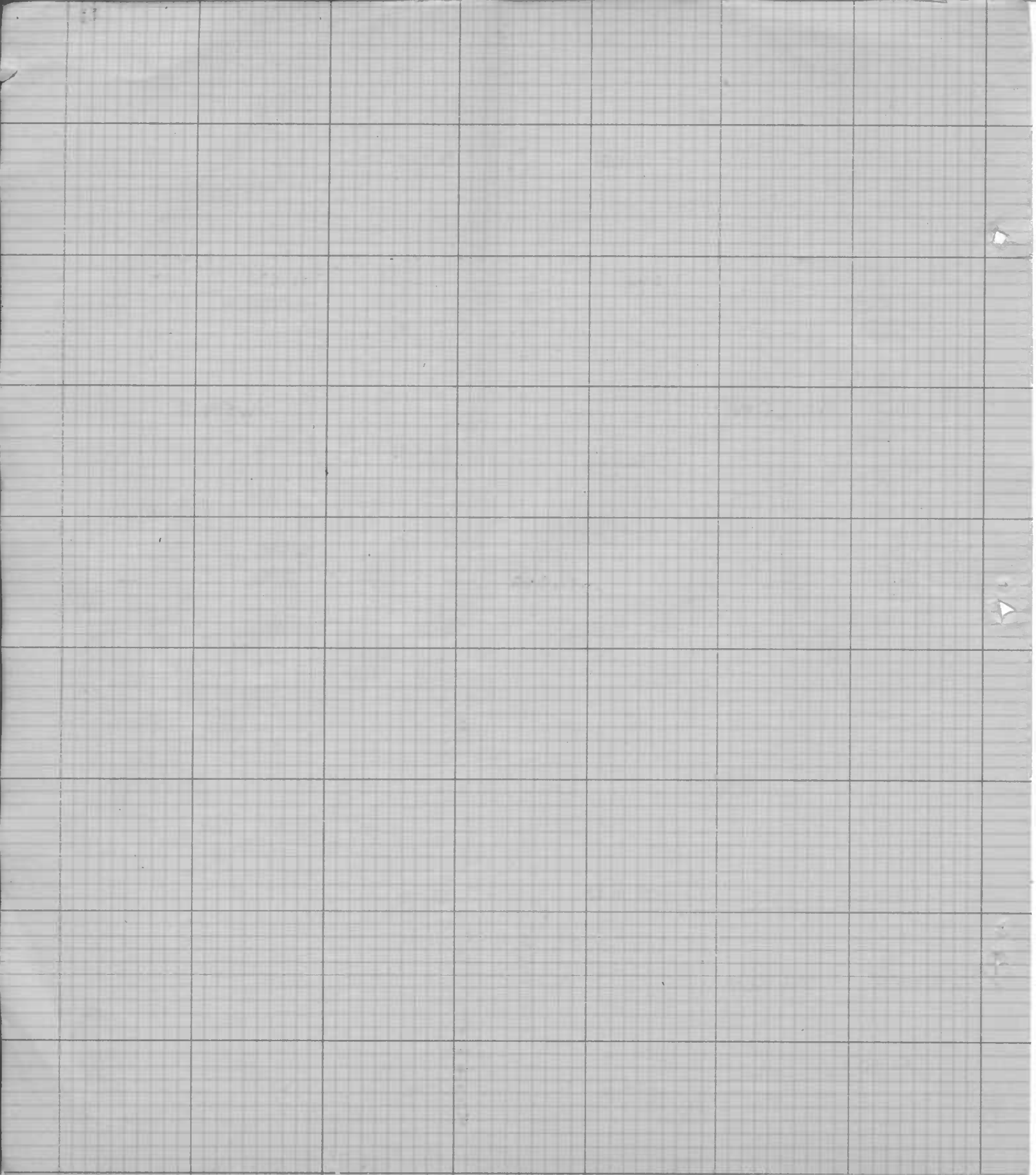
ALLEY

FREMONT

42.30

EI. 7.42  
EI. 7.7

EI. 7.32  
EI. 7.0



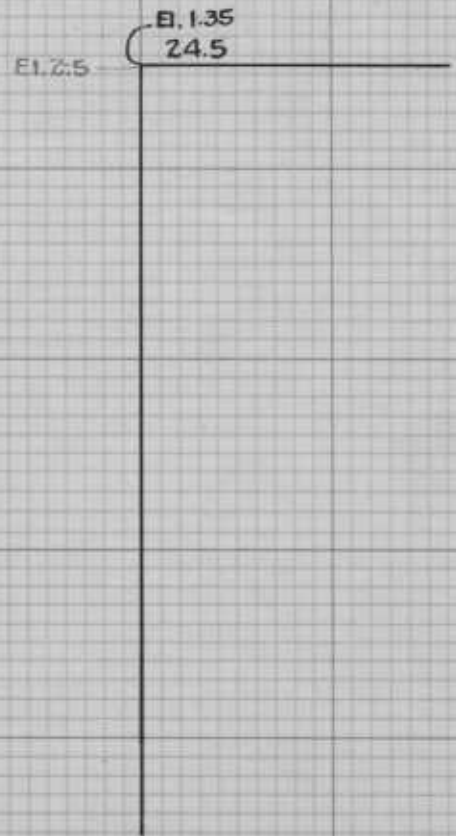
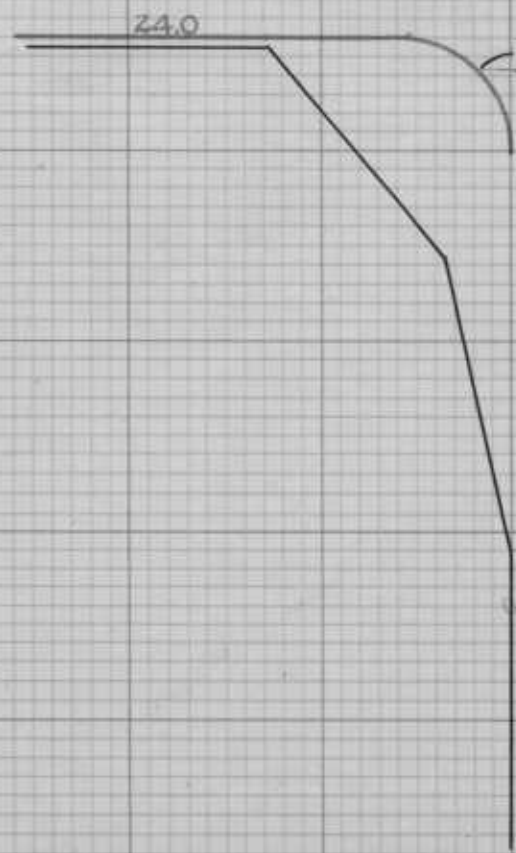


EI. 1.02  
EI. 2.5

EI. 2.5 EI. 1.37

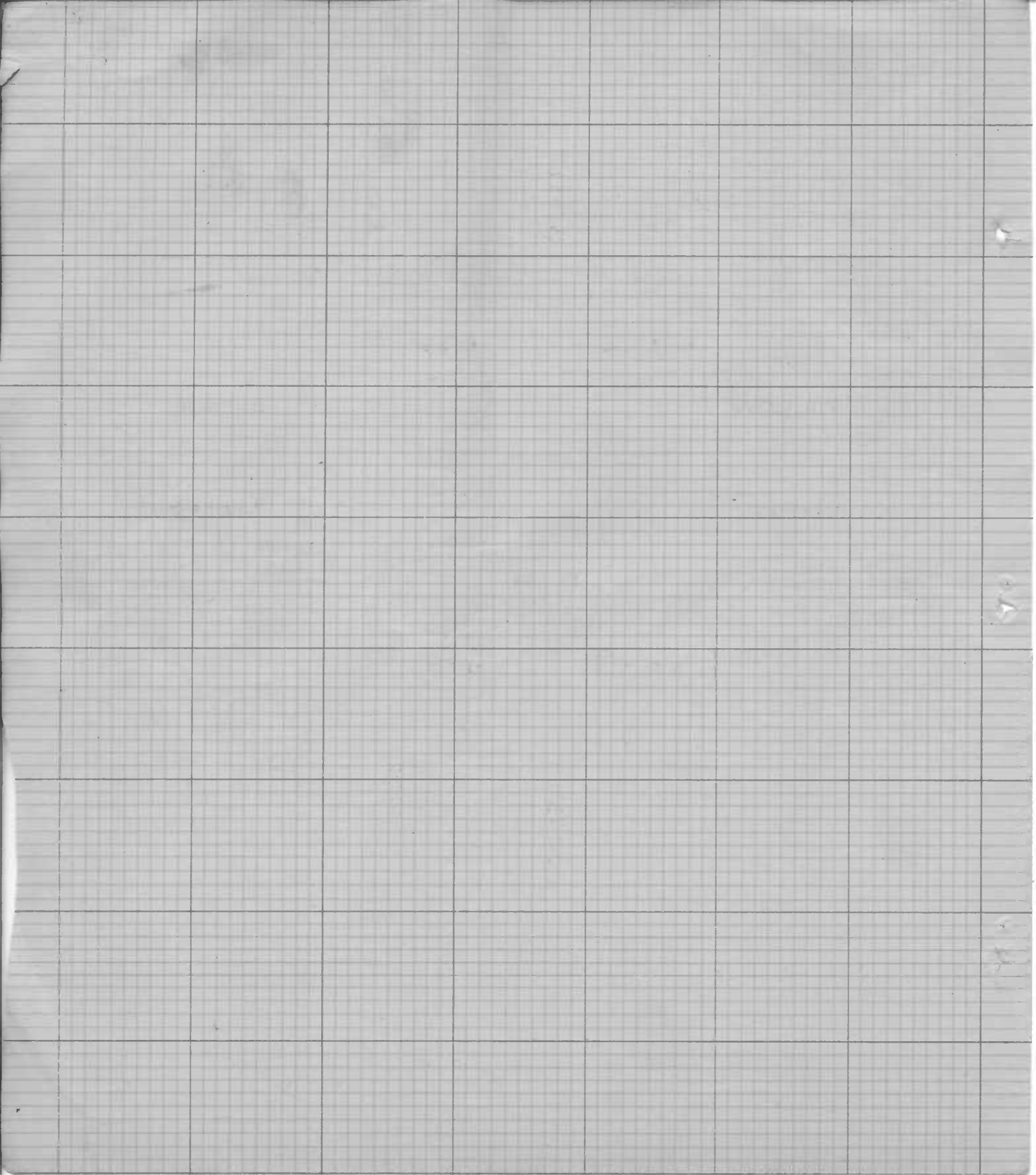
WILLOW

AVENUE

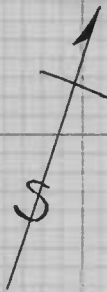


H

STREET







STREET

26.50

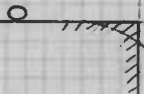
21.50

EI. 7.04  
EI. 7.7

EI. 6.97  
EI. 7.3

CARPENTER

STREET



EI. 7.13  
EI. 7.7

EI. 7.13  
EI. 7.3

2.50

LOCUST

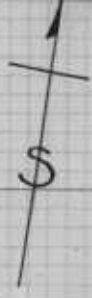
22.50

24.50

100' E. Locust N.C. El. = 6.3  
" " " S.C. El. = 6.3

350' E. Locust N.C. El. = 1.0  
" " " S.C. El. = 1.0

3 10/1.5 (11)  
100  
100  
100



44.80

39.00

EL. 7.17

EL. 7.06

CHERRY

STREET

$\frac{16.0}{100} \times \frac{12.5}{100} = 0.0191$   
 16.0  
 100  
 12.5  
 100

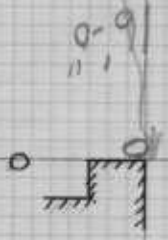
10.50

EL. 7.24  
EL. 7.2

EL. 7.04  
EL. 7.0

STREET

9.50



3.50

7.50

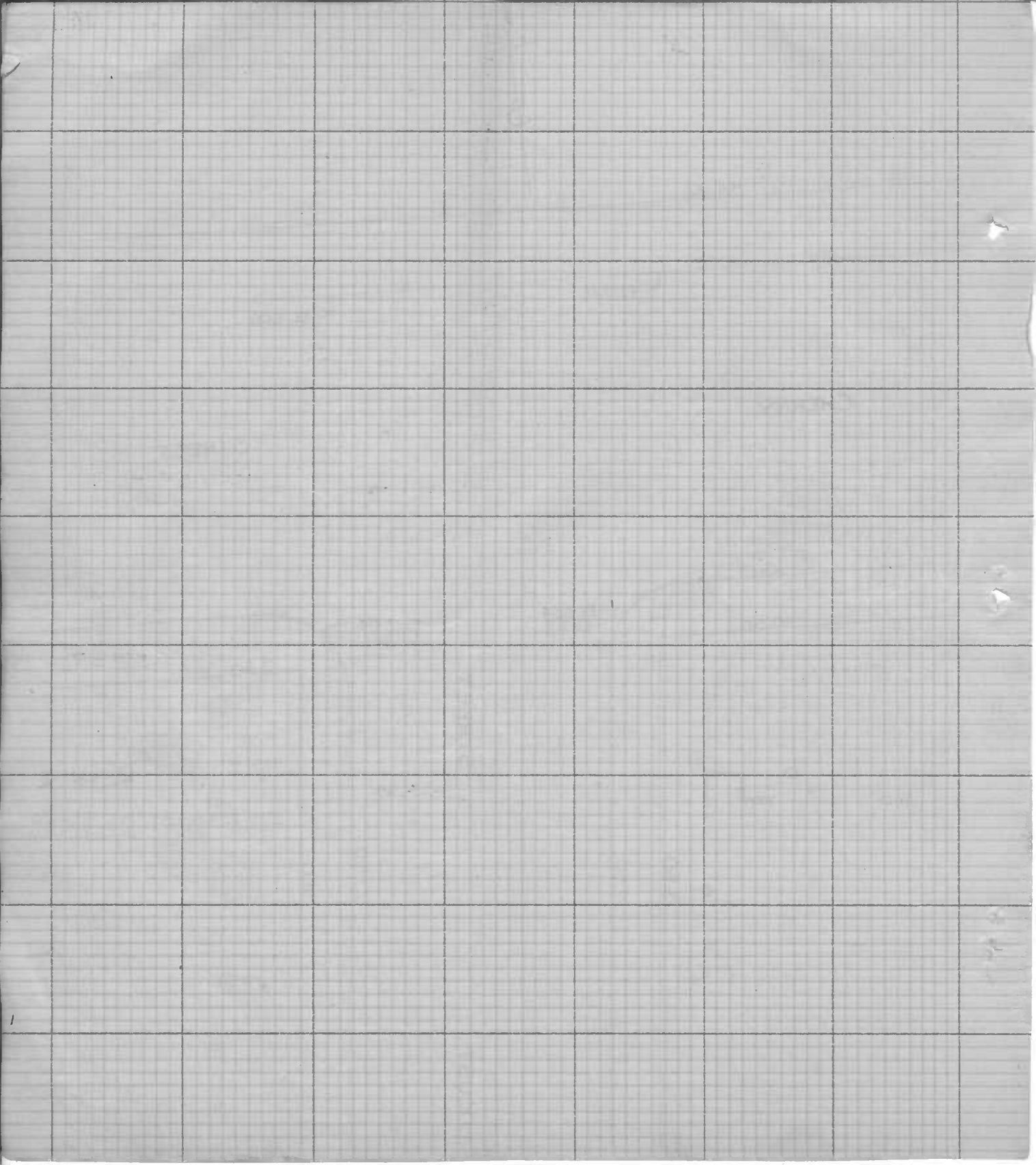
175' E. Locust N.C. El. = 2.5  
 " " " S.C. El. = 2.5

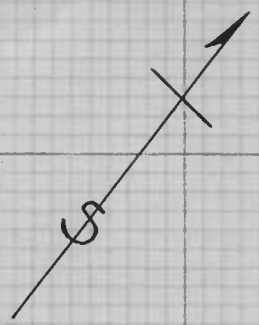
275' E. Locust N.C. El. = 2.0  
 " " " S.C. El. = 2.0

27.50

31.0

LOCUST





LOCUST STREET

GREEN STREET

26.7

29.52

49.52

52.35

10.00

GREEN

El. 5.79  
El. 5.5

El. 6.12  
El. 5.5

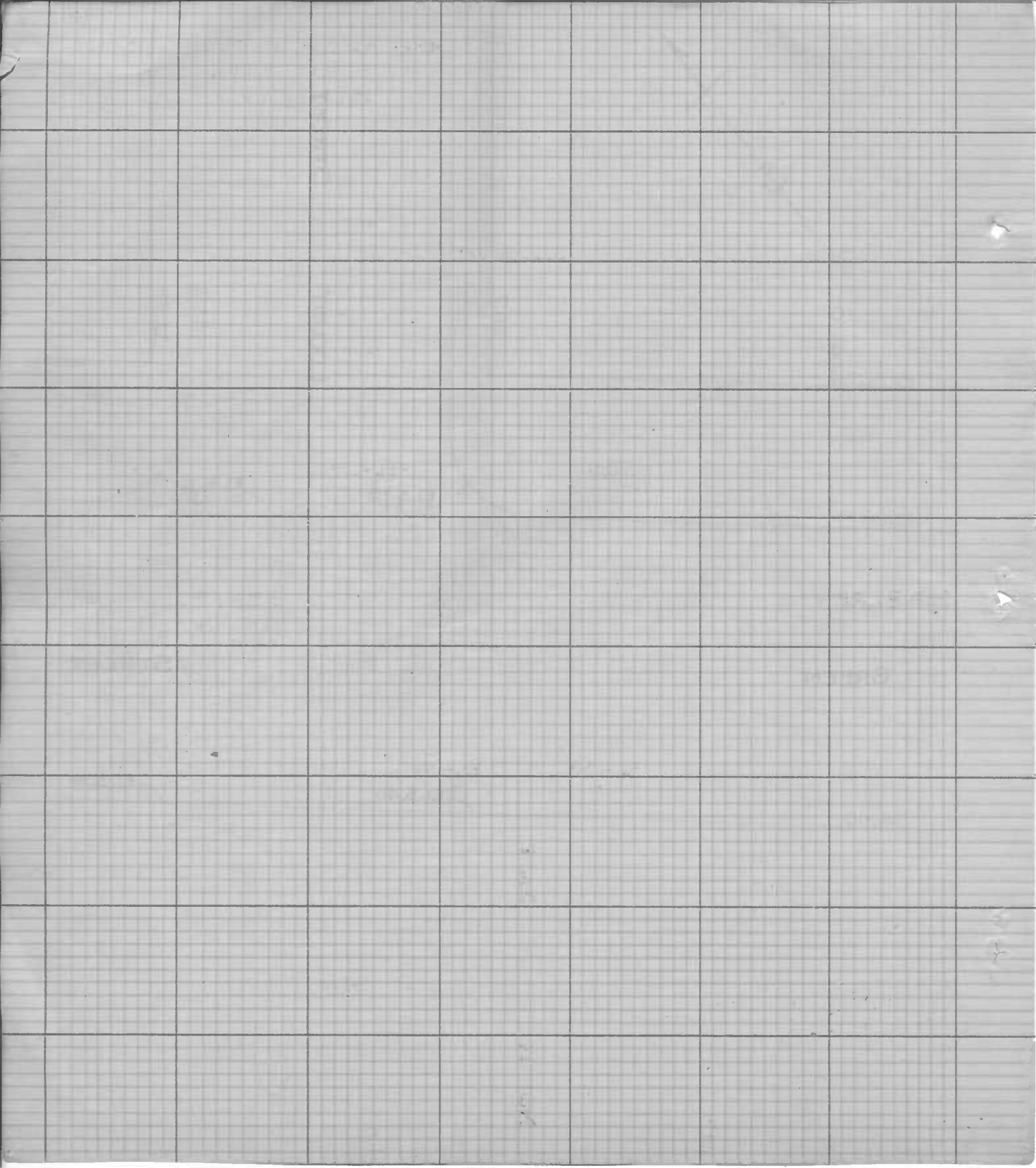
34.00

El. 5.40

El. 5.36

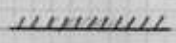






NOTE: For Curb line Mulberry St., see:  
Mulberry & Church Sts.  
Mulberry & Water Sts.

150' E. N. Gate N.C. El. = 8.5  
" " " " S.C. El. = 8.5



7.60

El. 6.59

El. 6.5

El. 6.77

MULBERRY

STREET

El. 7.0  
El. 6.59

El. 7.5  
El. 6.94

GATE

57.0

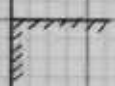
29.8

25.0

NORTH

4.0

0







LANE

59.20

59.70

EI. 8.0  
EI. 7.53

EI. 7.46  
EI. 7.7

47.8

CHEW

STREET

EI. 7.61  
EI. 8.0

EI. 7.62  
EI. 7.7

23.8

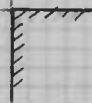
11.80

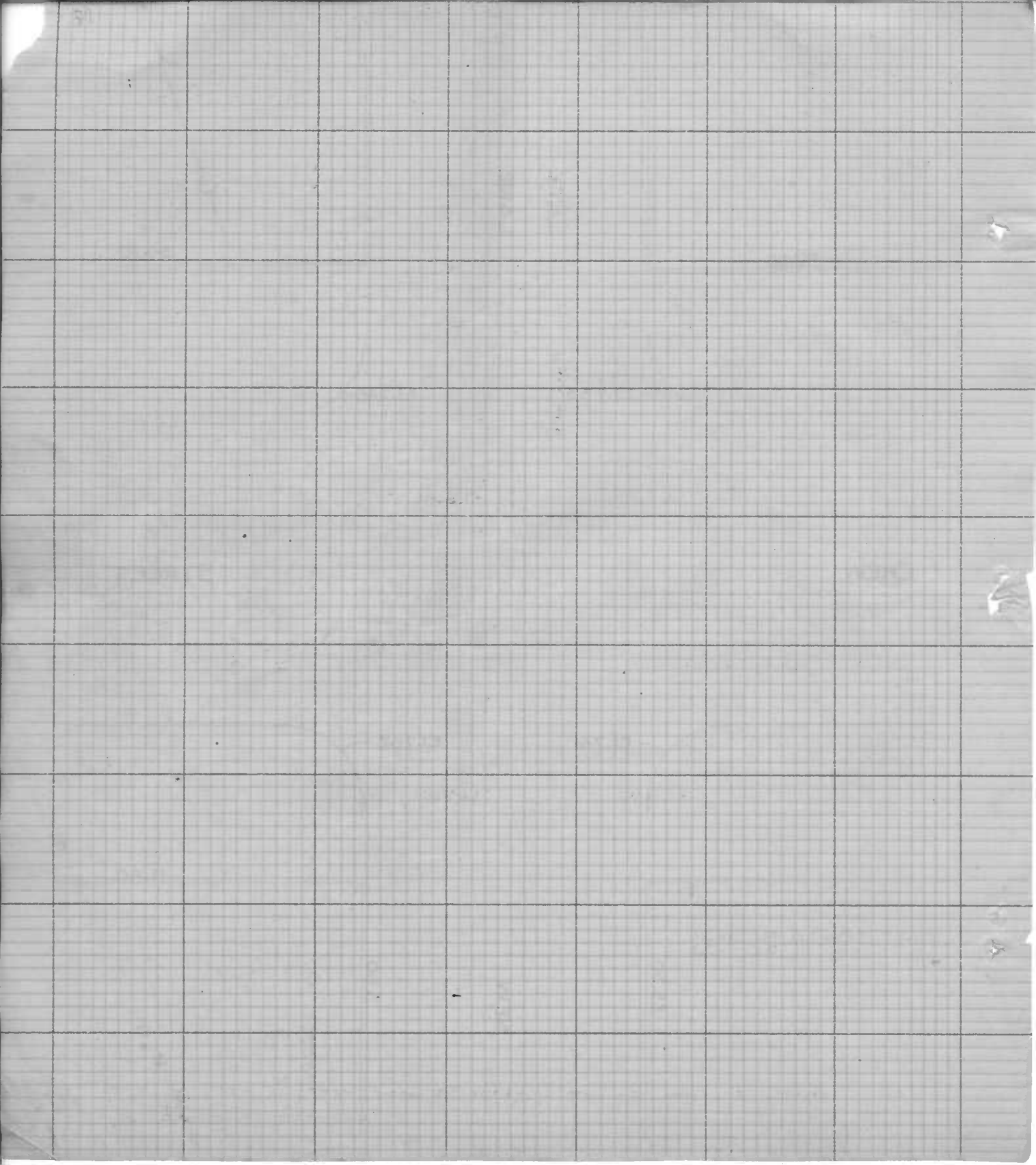
600' E. New Lq. N.C.EI. = 3.0  
" " " " S.C. = 3.0

25.50

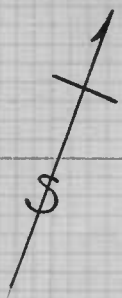
NEW

3.60









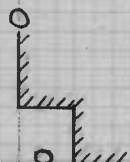
47.40

39.2

GATE

17.1

9.0



SOUTH

EI. 7.2  
EI. 6.88

EI. 6.8  
EI. 6.85

CHESTNUT

STREET

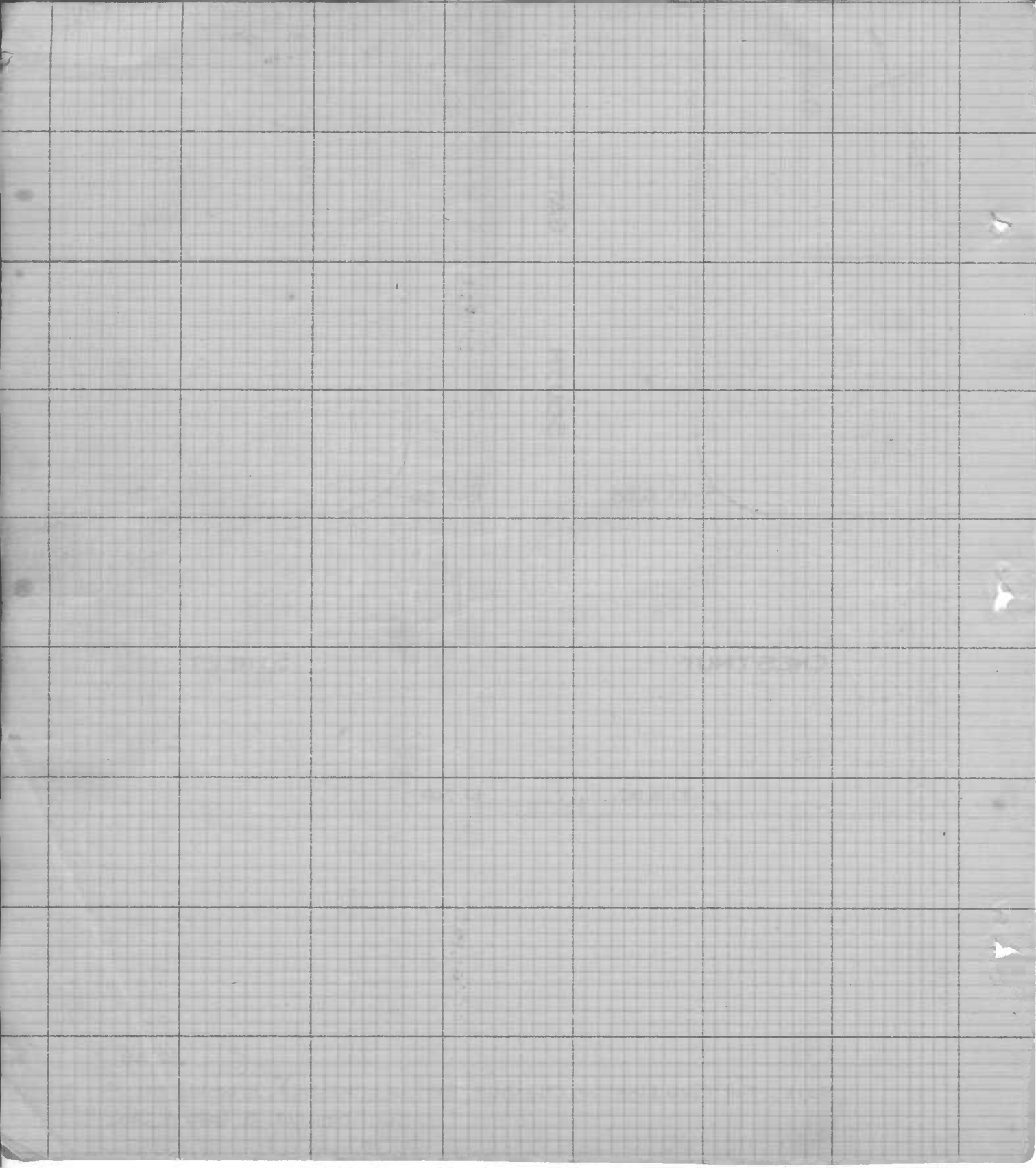
EI. 6.92

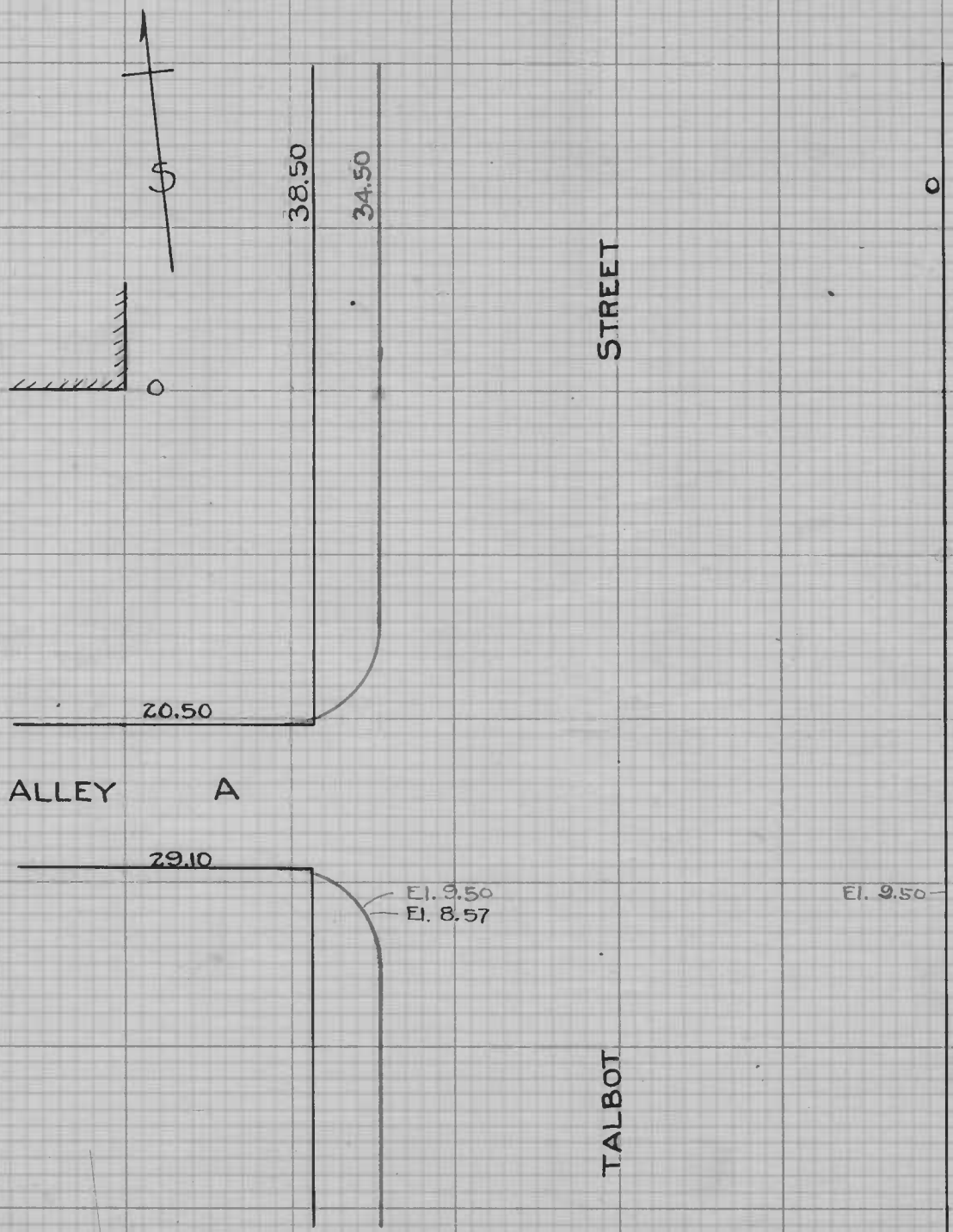
EI. 7.27

EI. 7.09

62.40

NOTE : For Curb Line on Chestnut St., see: Chestnut & Water Sts.  
Chestnut & Talbot Sts.





ALLEY A

STREET

TALBOT

20.50

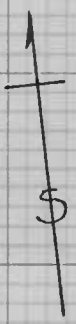
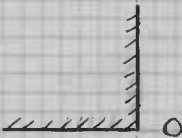
29.10

38.50

34.50

El. 9.50  
El. 8.57

El. 9.50



$$\begin{array}{r} 717 \\ 12 \\ \hline 34 \\ 12 \\ \hline .0206 \end{array}$$

$$\begin{array}{r} 42 \\ 17 \\ \hline 294 \\ 12 \\ \hline .0712 \end{array}$$

$$\begin{array}{r} 65 \\ 12 \\ \hline 58 \end{array}$$

BINGO ST. & L ST.

N.E.C. El. 8.0

N.W.C. El. 8.0

S.E.C. El. 8.0

S.W.C. El. 8.0

BINGO AT B.C. & A. RY.

N.C. El. = 7.9

S.C. El. = 7.9

BINGO ST. 350' E.T.A.L.

N.C. El. = 5.5

S.C. El. = 5.5

15.8

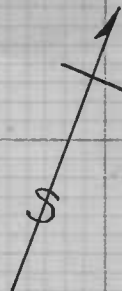
24.5

STREET

54.5

61.1

19



8.30

0.66

0.63

20" pipe

20.8

El. 6.67  
El. 6.3

19.8

El. 6.66

El. 6.3

0.58

BINGO

STREET

44.8

El. 6.72  
El. 6.3

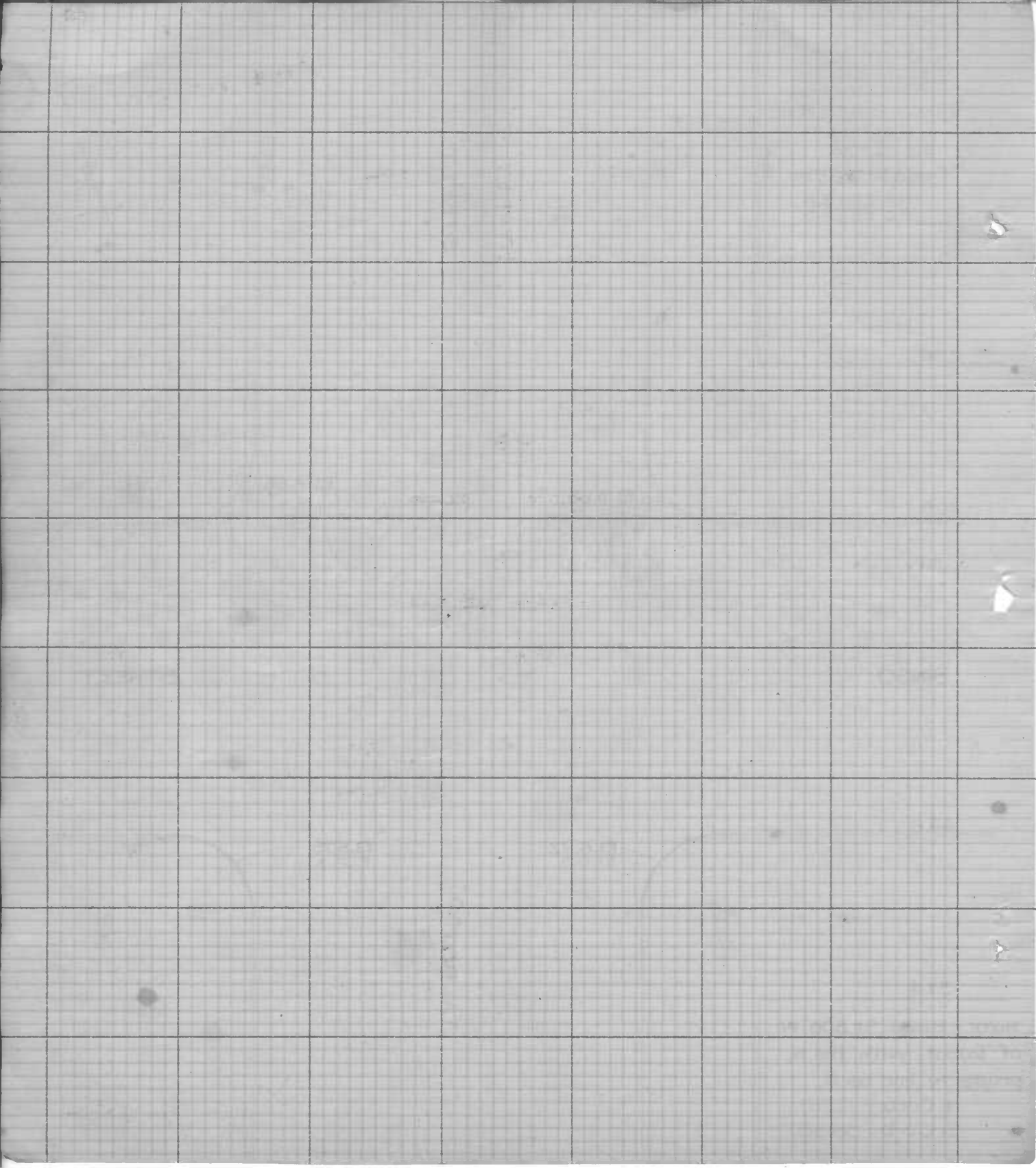
El. 6.75  
El. 6.3

57.4

TALBOT

NOTE: Bingo St. 500' W.  
of Talbot, with the N.  
property line as O,  
N. Curb = 12.50  
S. Curb = 36.50



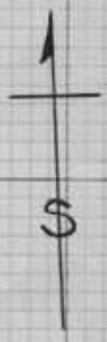


CHURCH ST.

STREET

TALBOT

CANTON ST.



B.C.

B.C.

EI. 6.0  
EI. 6.01

EI. 5.75  
EI. 5.8

EI. 6.08  
EI. 6.1

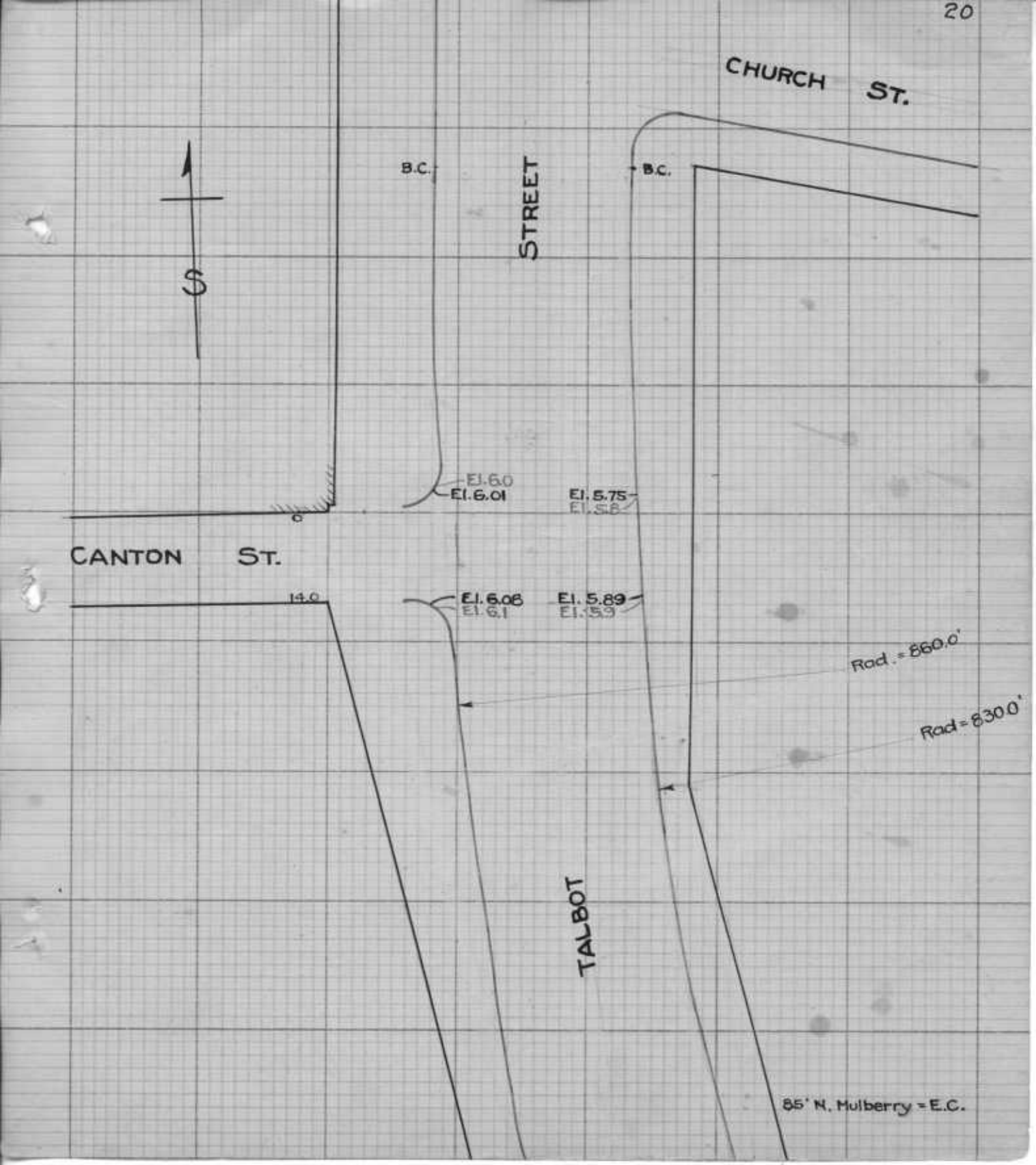
EI. 5.89  
EI. 5.9

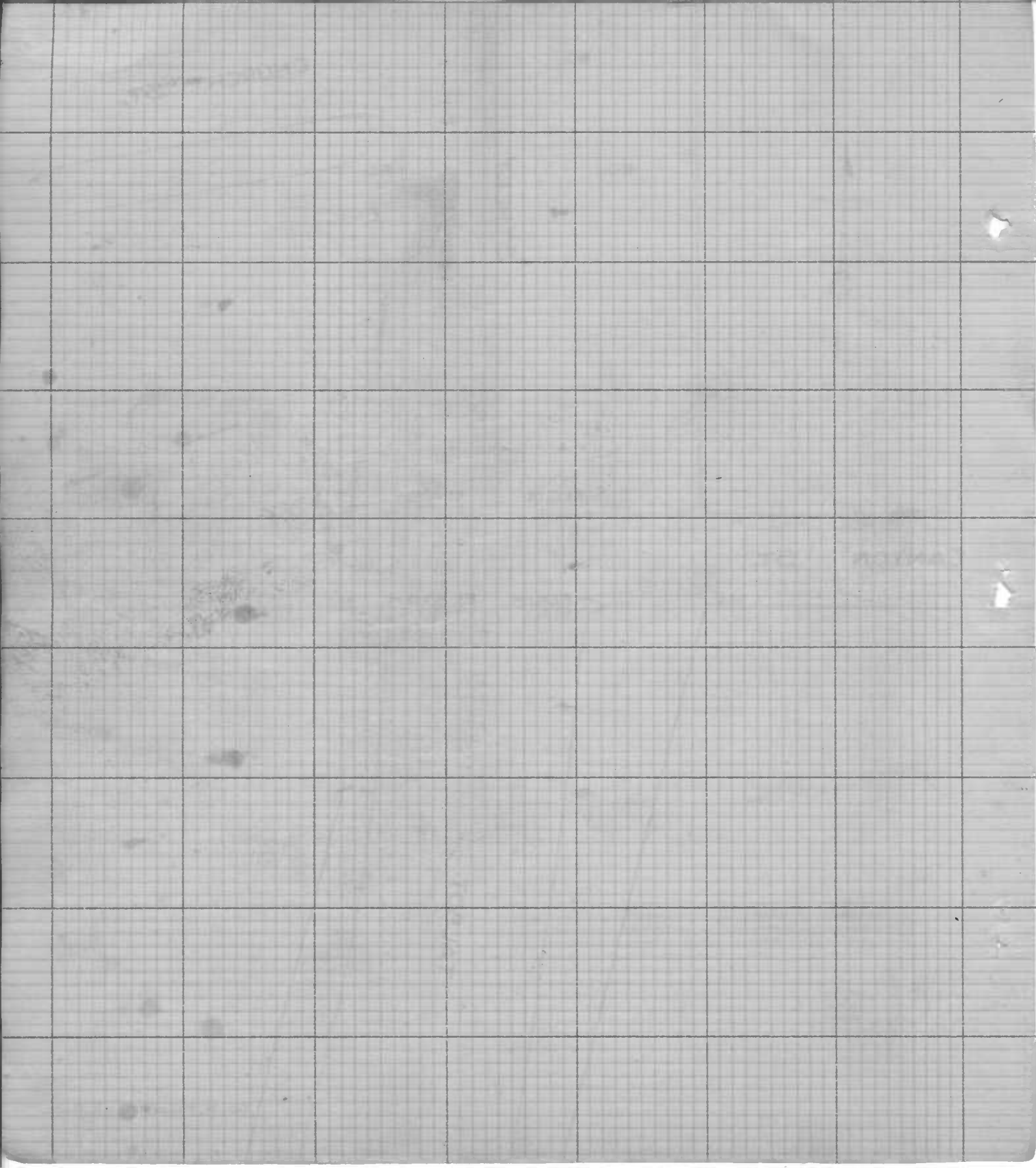
14.0

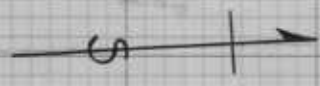
Rad. = 860.0'

Rad. = 8300'

85' N. Mulberry = E.C.





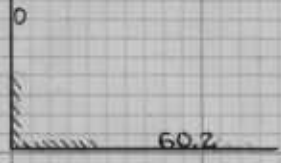


SKINNER ALLEY

19.7

54.0

EI. 6.62  
EI. 6.5



46.2

EI. 6.5  
EI. 6.70

0.97

0.95

TALBOT

STREET

7.5" pipe

0.90

14.85

EI. 6.31  
EI. 6.3

EI. 6.4  
EI. 6.40

18.2

0.87

5.5'

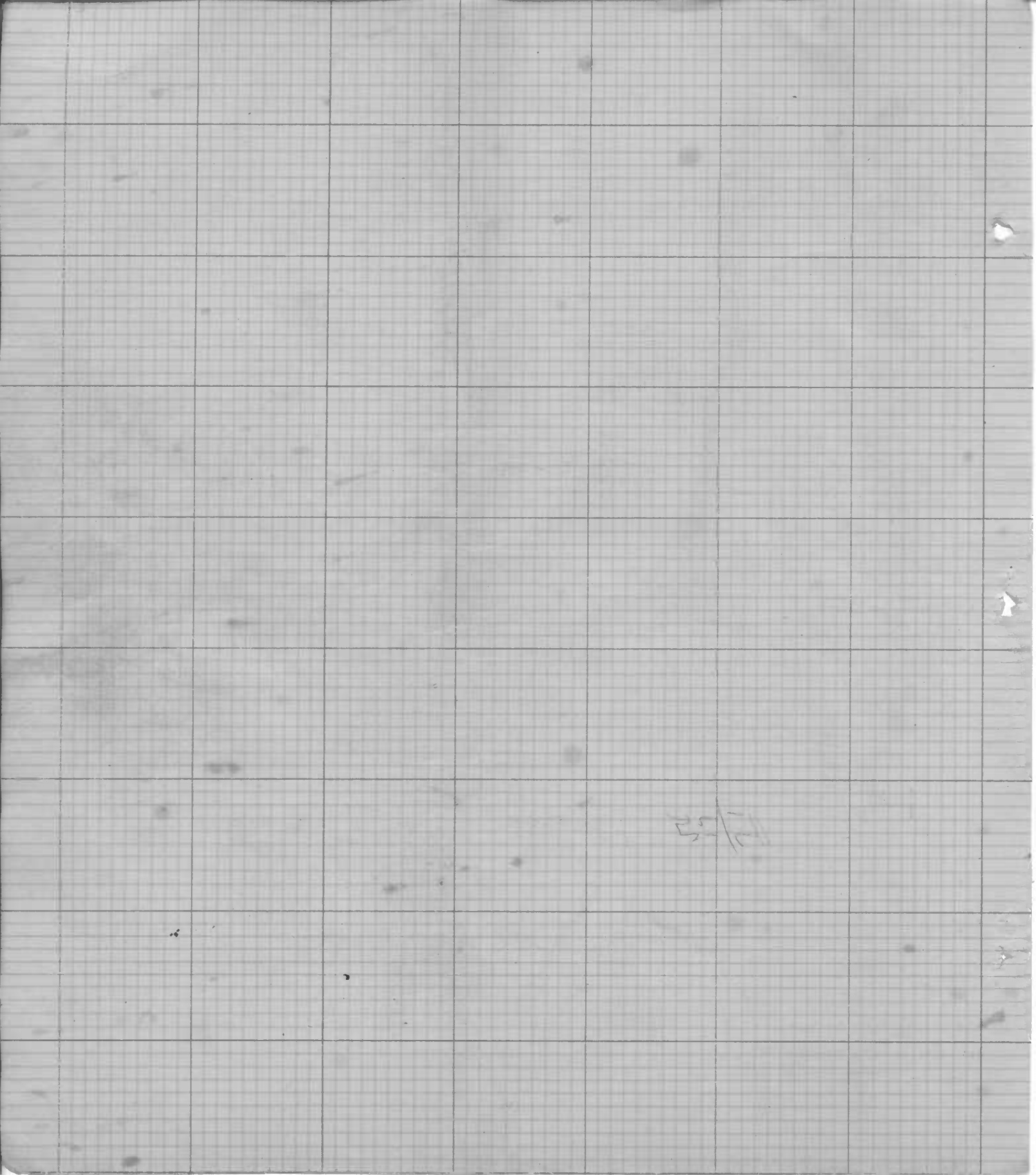
CARPENTER

5.7

-2.5

25.5

ST.



5/11





CHESTNUT ST.

400'	W. OF TALBOT	N.C. EL. = 9.0
"	"	S.C. EL. = 9.0
475'	"	N.C. EL. = 8.6
"	"	S.C. EL. = 8.6
525'	"	N.C. EL. = 6.5
"	"	S.C. EL. = 6.0
800'	"	N.C. EL. = 3.0
"	"	S.C. EL. = 3.0

22.1  
28.1

El. 6.6  
El. 6.94

El. 6.5  
El. 6.90

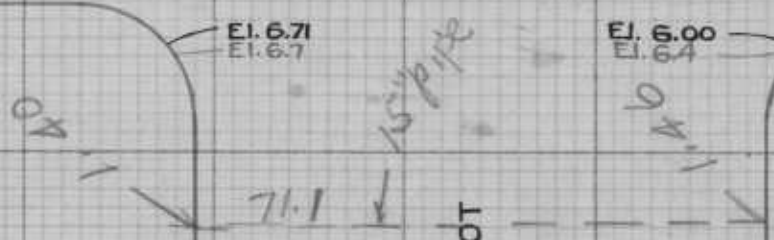
CHESTNUT

STREET

52.1  
54.1

El. 6.71  
El. 6.7

El. 6.00  
El. 6.4



TALBOT

67.0

68.0

66.0

NOTE:  
Chestnut St. 725' W. Talbot  
From house on N. side  
of St. = 0, curbs:  
N.C. = 18.2  
S.C. = 42.2

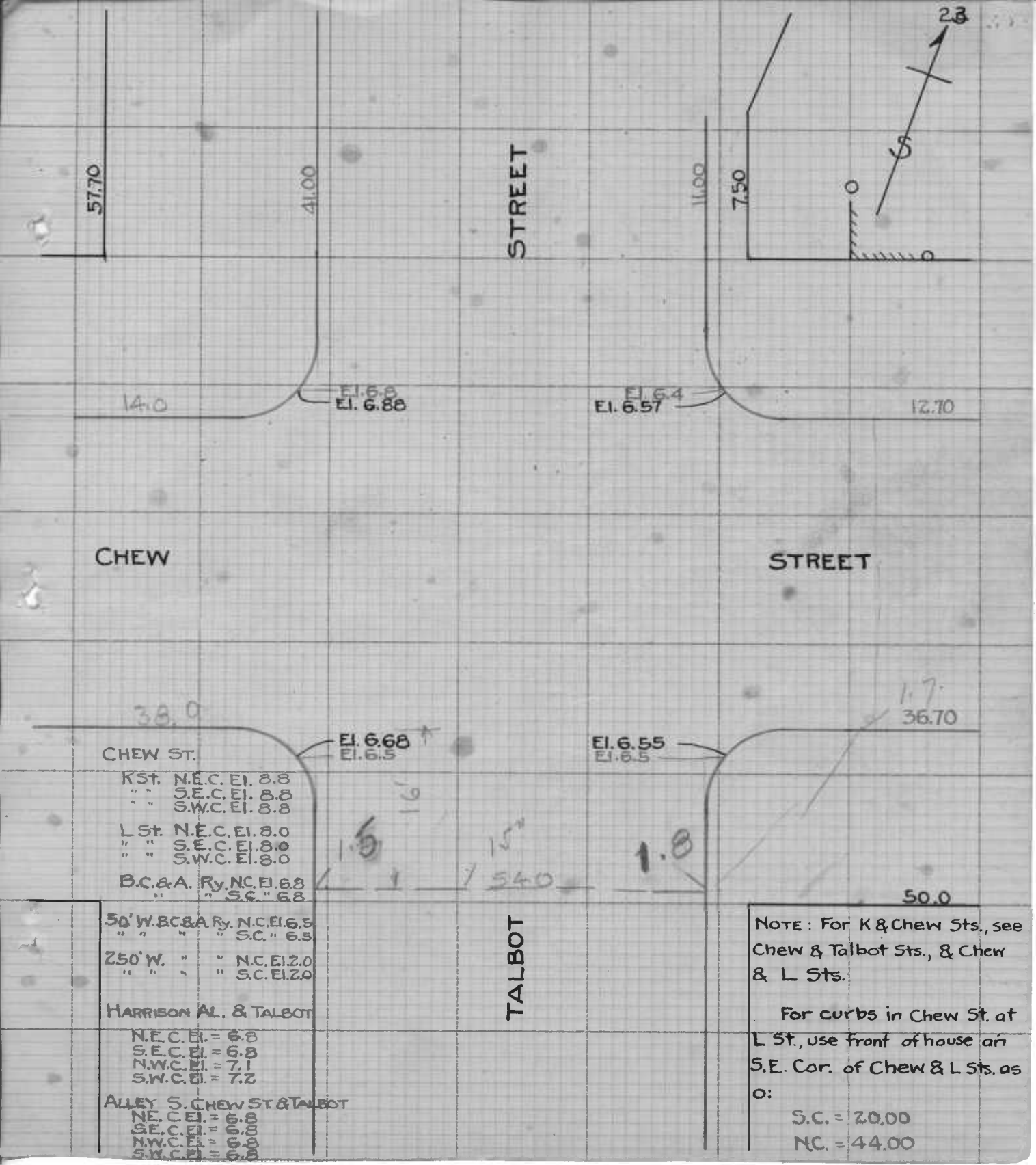
15.0

1.  
2  
6

6.3  
10

20  
15  
42.7

30  
1  
4



57.70

41.00

STREET

11.00

7.50

0

23

14.0

El. 6.88  
El. 6.88

El. 6.57  
El. 6.57

12.70

CHEW

STREET

38.0

CHEW ST.

El. 6.68  
El. 6.5

El. 6.55  
El. 6.5

1.7  
36.70

Rst. N.E.C. El. 8.8  
" S.E.C. El. 8.8  
" S.W.C. El. 8.8  
L St. N.E.C. El. 8.0  
" S.E.C. El. 8.0  
" S.W.C. El. 8.0  
B.C. & A. Ry. N.C. El. 6.8  
" S.C. El. 6.8

1.5

1.5

1.8

54.0

50.0

50' W. B.C. & A. Ry. N.C. El. 6.5  
" S.C. El. 6.5  
250' W. " " N.C. El. 2.0  
" S.C. El. 2.0

TALBOT

NOTE: For K & Chew Sts., see  
Chew & Talbot Sts., & Chew  
& L Sts.

HARRISON AL. & TALBOT

N.E.C. El. = 6.8  
S.E.C. El. = 6.8  
N.W.C. El. = 7.1  
S.W.C. El. = 7.2

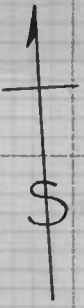
For curbs in Chew St. at  
L St., use front of house at  
S.E. Cor. of Chew & L Sts. as  
0:

ALLEY S. CHEW ST & TALBOT  
N.E.C. El. = 6.8  
S.E.C. El. = 6.8  
N.W.C. El. = 6.8  
S.W.C. El. = 6.8

S.C. = 20.00  
N.C. = 44.00

$\frac{23}{100}$

100



59.80

11.5

41.00

STREET

11.00

*Dissect*

El. 5.0  
El. 5.01

El. 4.8  
El. 4.71

4.70

7.8

12.30

CHURCH ST.

El. 5.1  
El. 5.11

El. 4.75  
El. 4.8

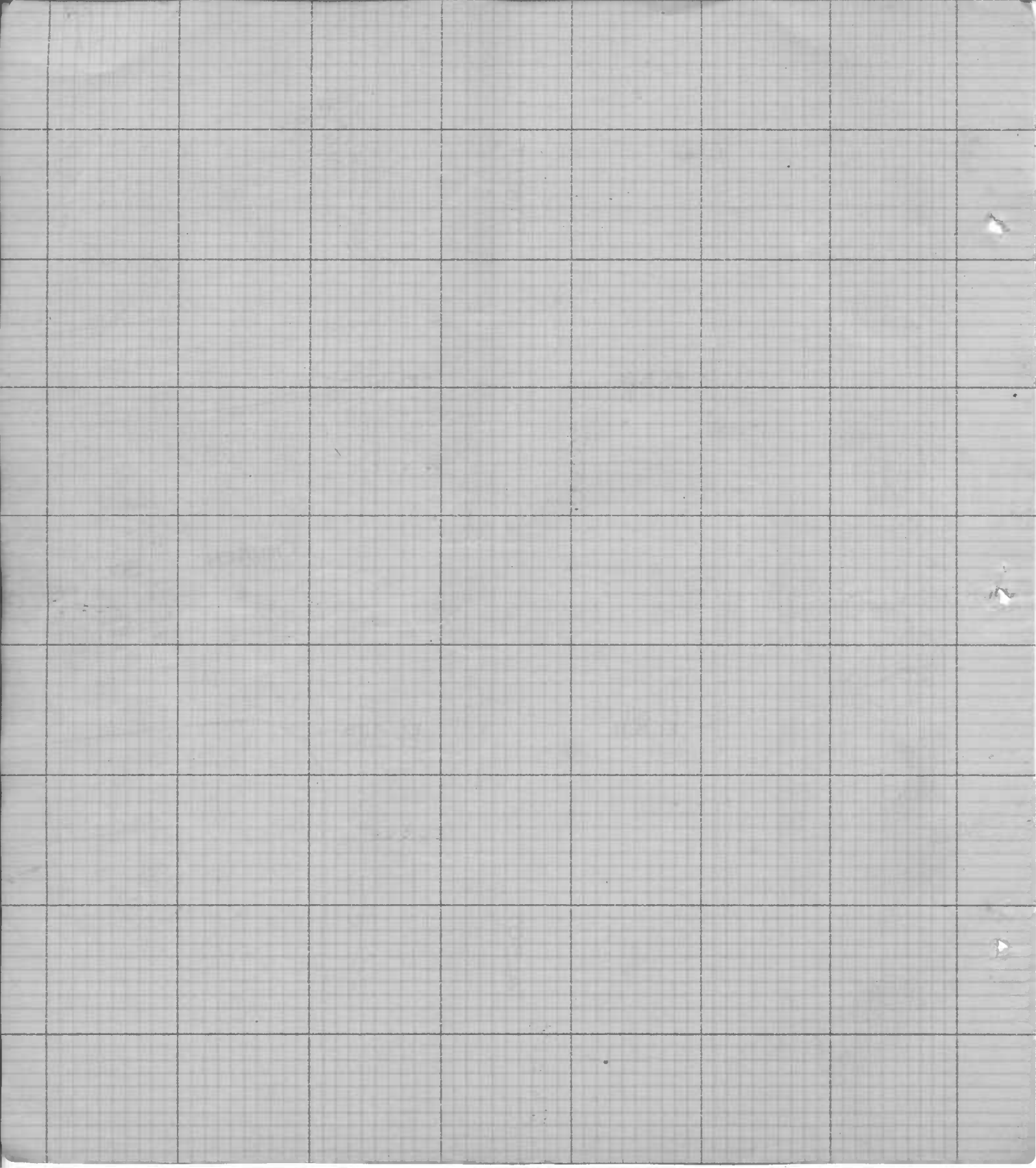
36.30

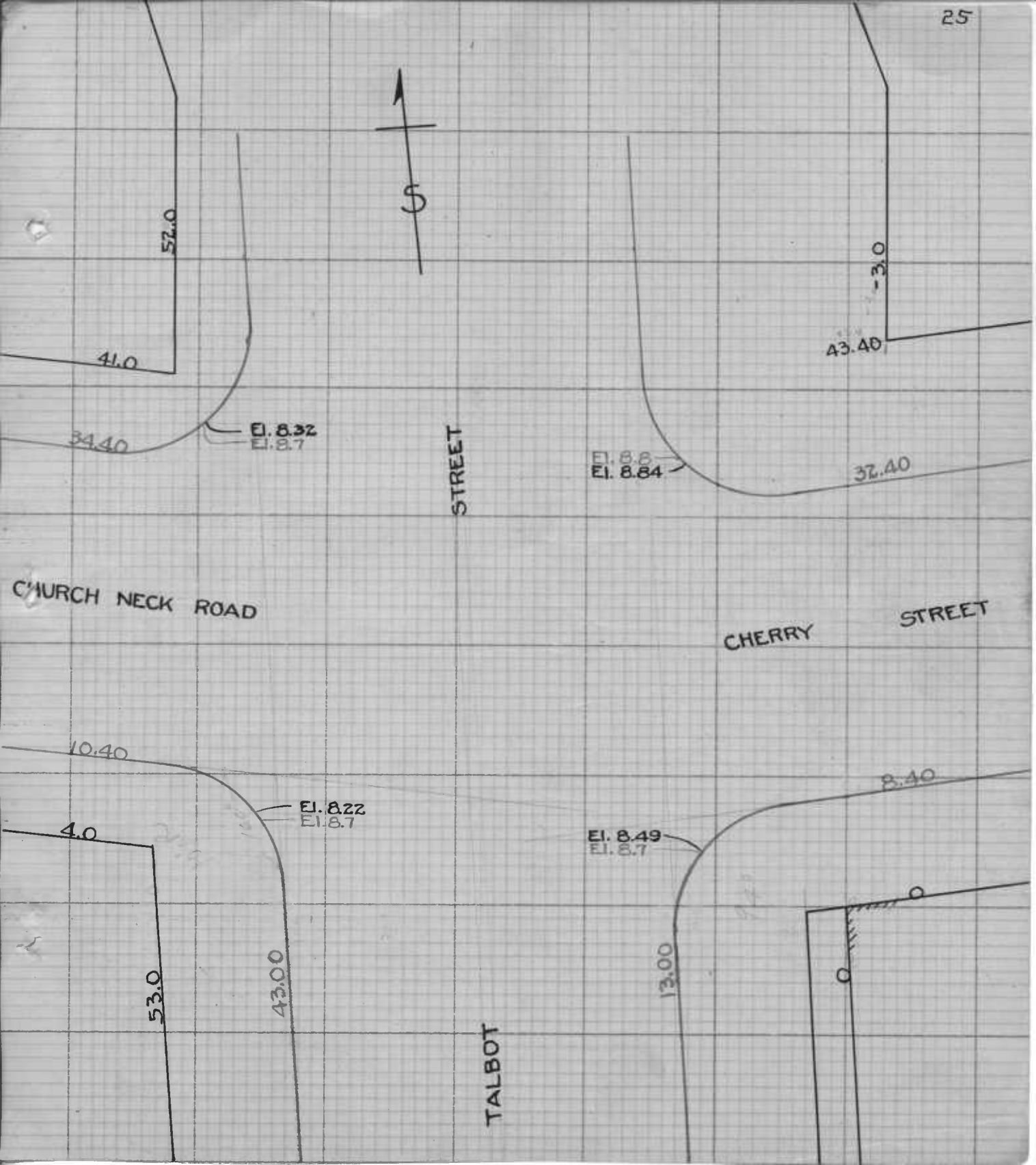
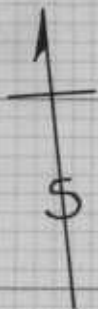
44.0

TALBOT









52.0

41.0

34.40

El. 8.32  
El. 8.7

STREET

-3.0

43.40

El. 8.8  
El. 8.84

32.40

CHURCH NECK ROAD

CHERRY STREET

10.40

4.0

El. 8.22  
El. 8.7

El. 8.49  
El. 8.7

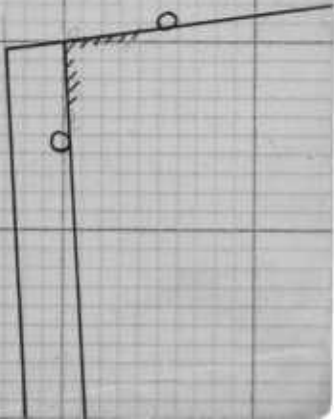
8.40

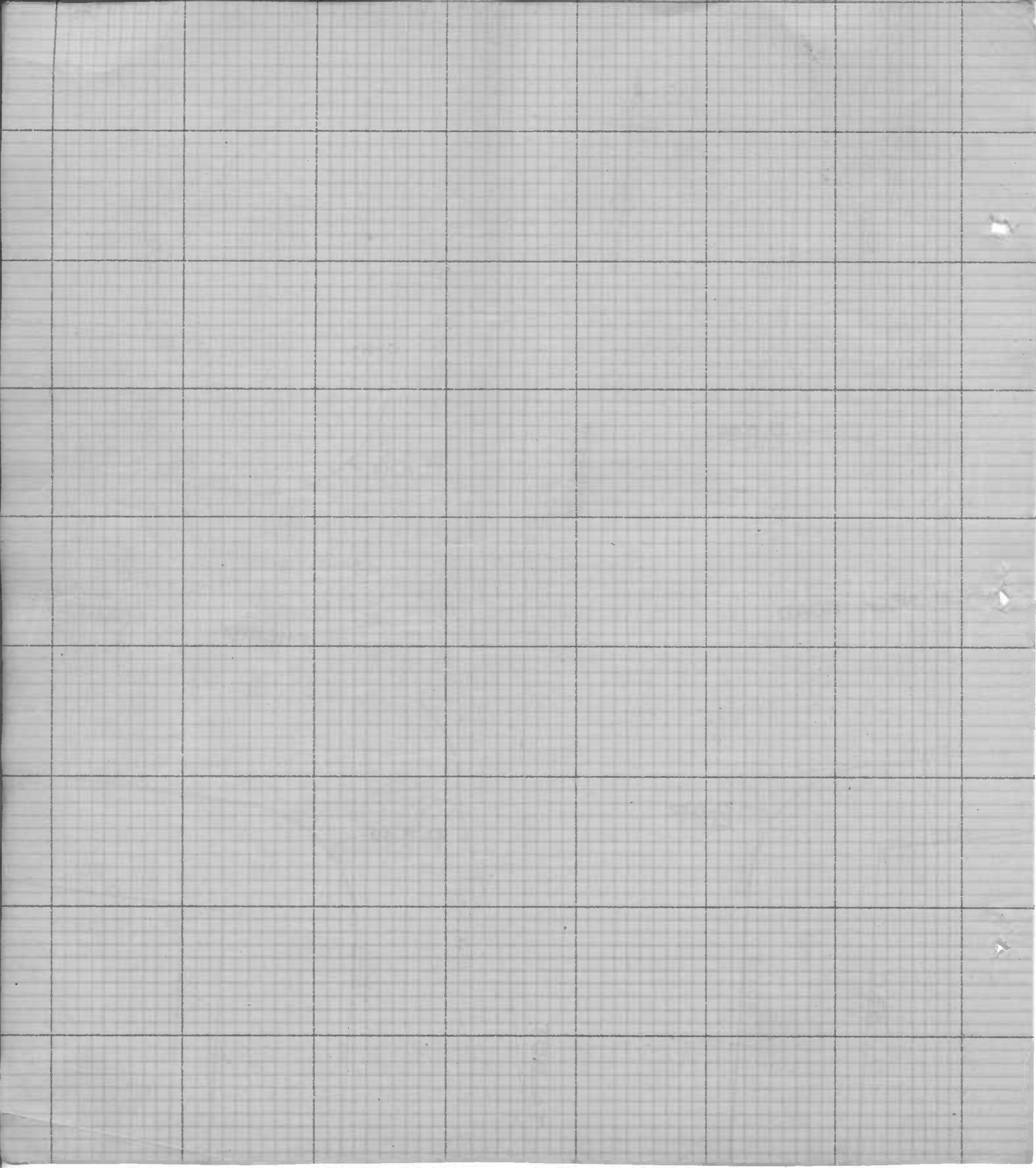
53.0

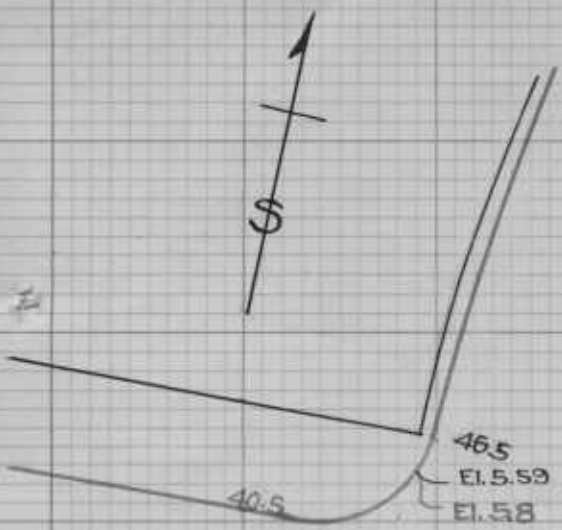
43.00

13.00

TALBOT



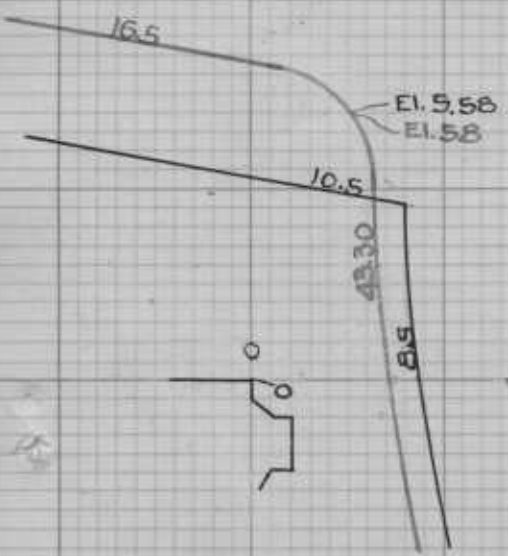




DODSON ST.

STREET

El. 5.58  
El. 5.73



El. 5.69

TALBOT

13.30

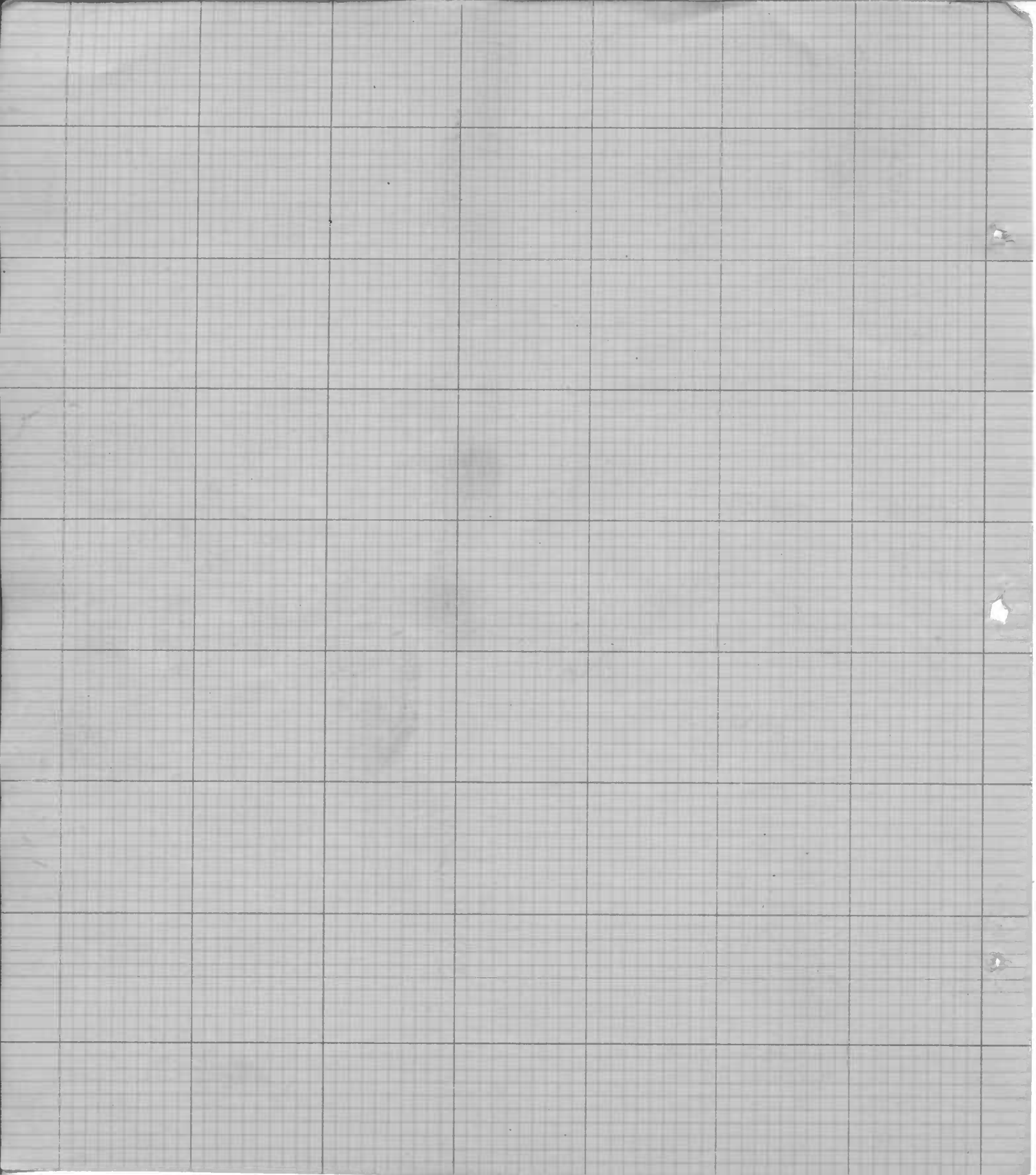
50.5

TALBOT ST. 125' S. DODSON ST.

E.C. El. = 3.1  
W.C. El. = 3.1

From S. side of house at Dodson St.  
& Perry Alley on N.W. corner = 0, the  
curbs of Dodson St. are:

N.C. = 14.1  
S.C. = 38.1







STREET

45.60

35.30

2.0

6.65

EI. 7.5  
EI. 7.82

5.30

EI. 7.61  
EI. 7.5

GRACE ST.

30.65

EI. 7.81  
EI. 7.5

EI. 7.64  
EI. 7.5

35.30

GRACE ST.  
300' W. Talbot N.C. EI. = 6.7  
S.C. EI. = 6.7

475' W. Talbot N.C. EI. = 7.8  
S.C. EI. = 7.8

700' W. Talbot N.C. EI. = 2.5  
S.C. EI. = 2.5

840' W. Talbot N.C. EI. = 2.0  
S.C. EI. = 2.0

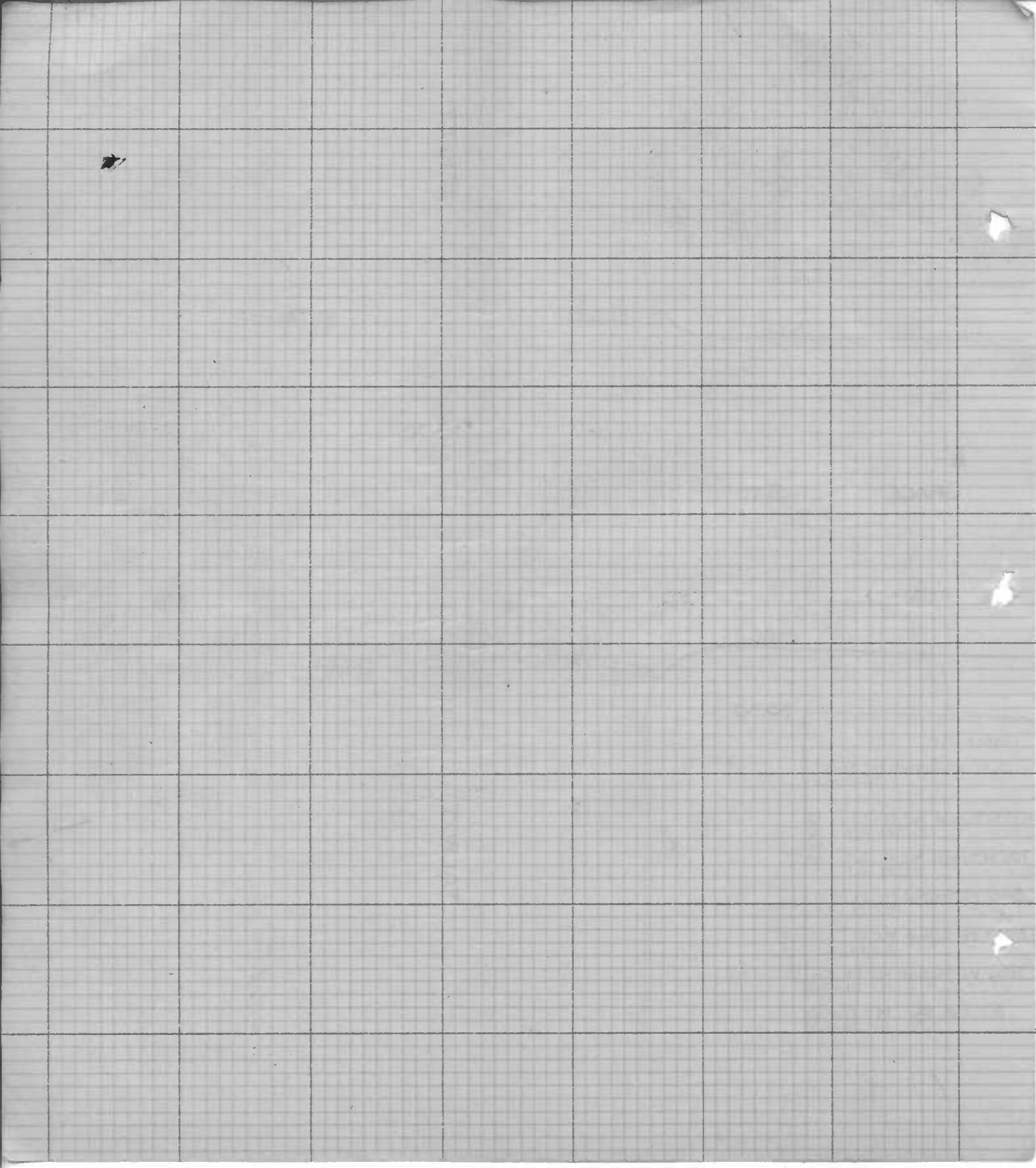
975' W. Talbot N.C. EI. = 2.5  
S.C. EI. = 2.5

1150' W. Talbot N.C. EI. = 7.0  
S.C. EI. = 7.0

B.C. & A. Ry. N.C. EI. = 6.5  
S.C. EI. = 6.5

47.60

TALBOT





17

MAPLE

ST.

STREET

67.0'

E16.43  
E16.90

E16.66  
E16.9

92.0'

41

E1.672  
E1.69

E1.675  
E1.6.9

TALBOT & N. SIDE BOUNDARY ROAD

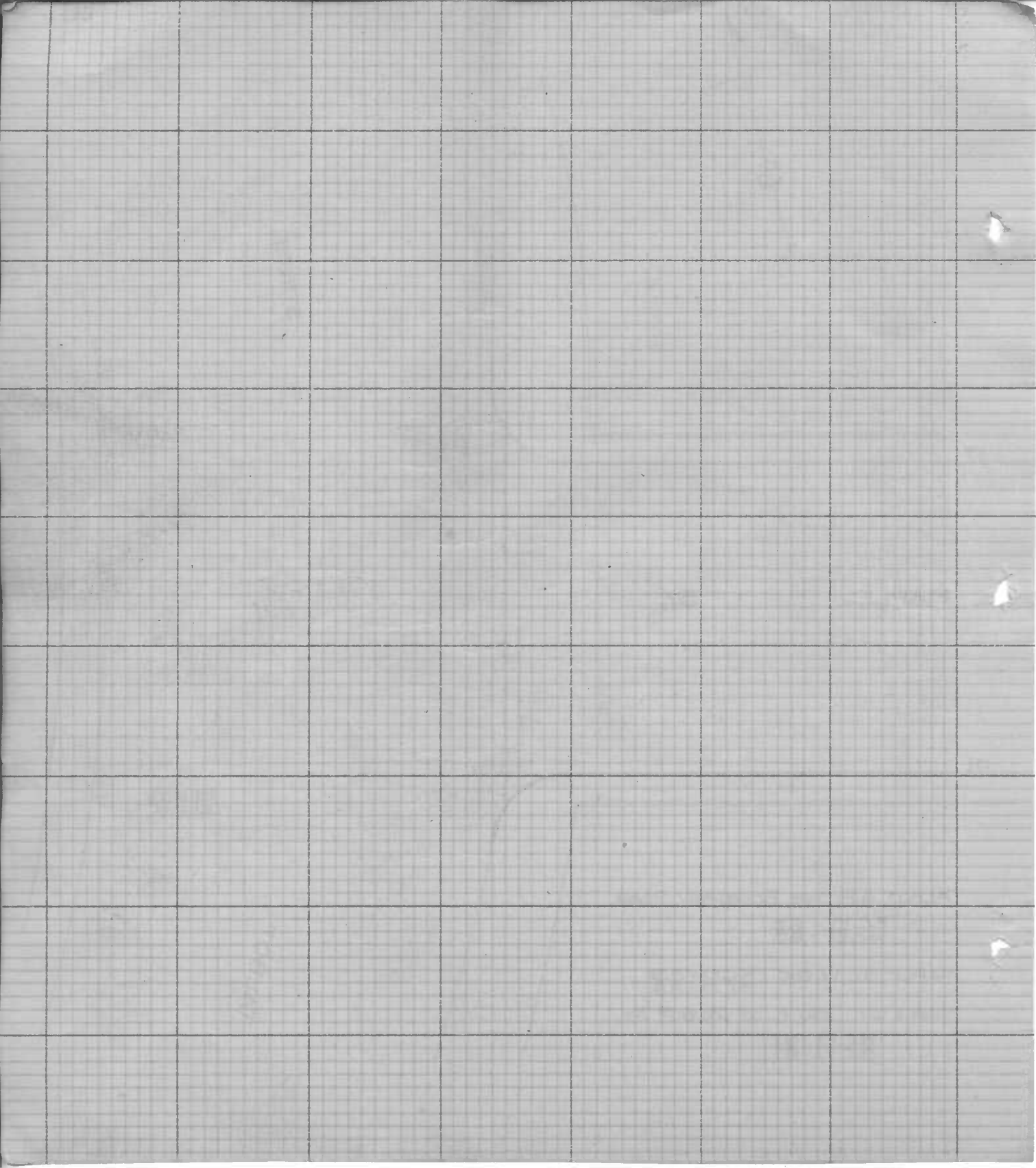
E.C. E1 = 6.2  
W.C. E1 = 6.2

MAPLE ST. W. END N.C. E1 = 8.5  
" " " " S.C. E1 = 8.5

MAPLE ST. 350' E. OF TALBOT ST.

N.C. E1 = 6.1  
S.C. E1 = 6.1

TALBOT



58.40

51.50

21.50

12.80

5.0

STREET

El. 7.1  
El. 7.40

El. 7.0  
El. 6.99

24.20 21.2

MULBERRY ST

El. 7.52  
El. 7.2

El. 6.87  
El. 7.1

48.20 51.2

52.2

TALBOT

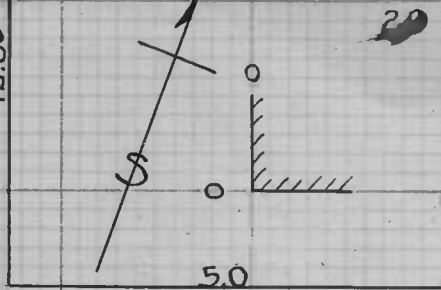
66.70

73.75

← 12" pipe  
4.15

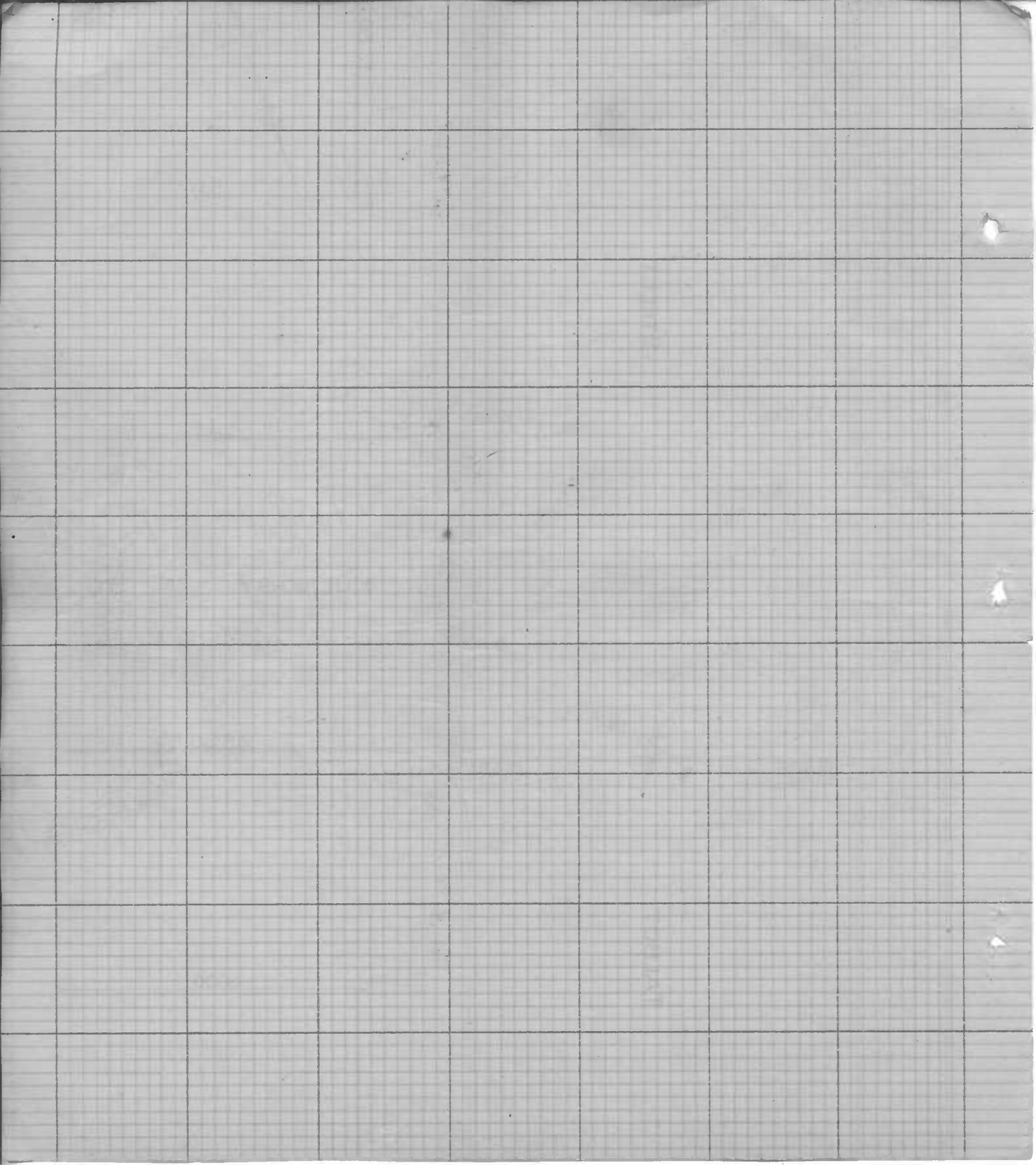
4.0

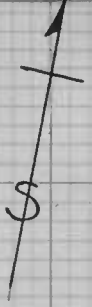
12.2  
8.2  
3.0



20







STREET

TALBOT

RAILROAD

AVE.

15

40.0

32.50

EI. 6.0  
EI. 6.09

EI. 5.90

34.0

34.0

3.46

20

17.4

15" Pipe

15

8.50

EI. 6.27  
EI. 6.2

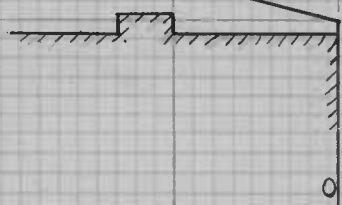
EI. 6.03  
EI. 6.2

0.6

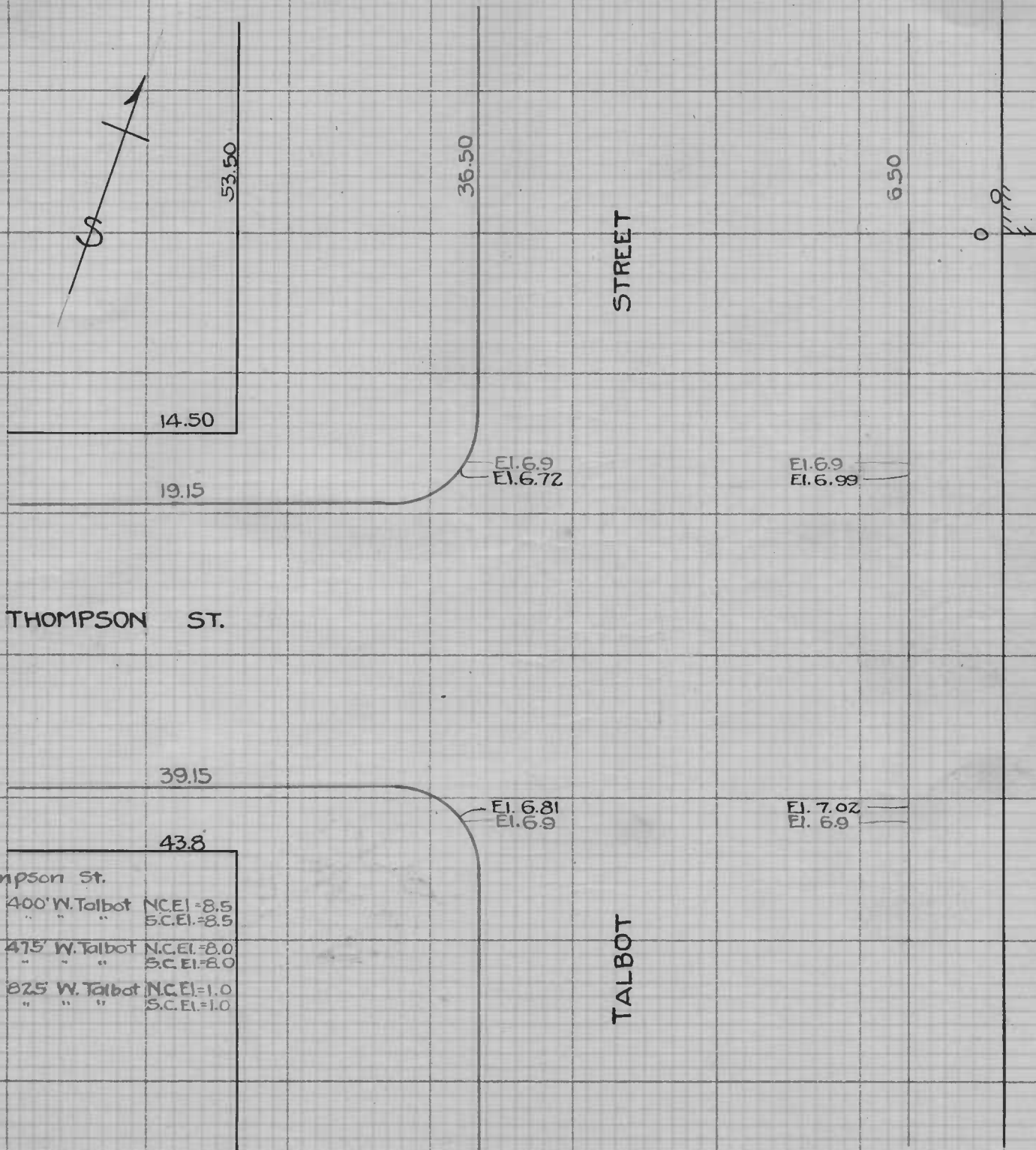
8.0

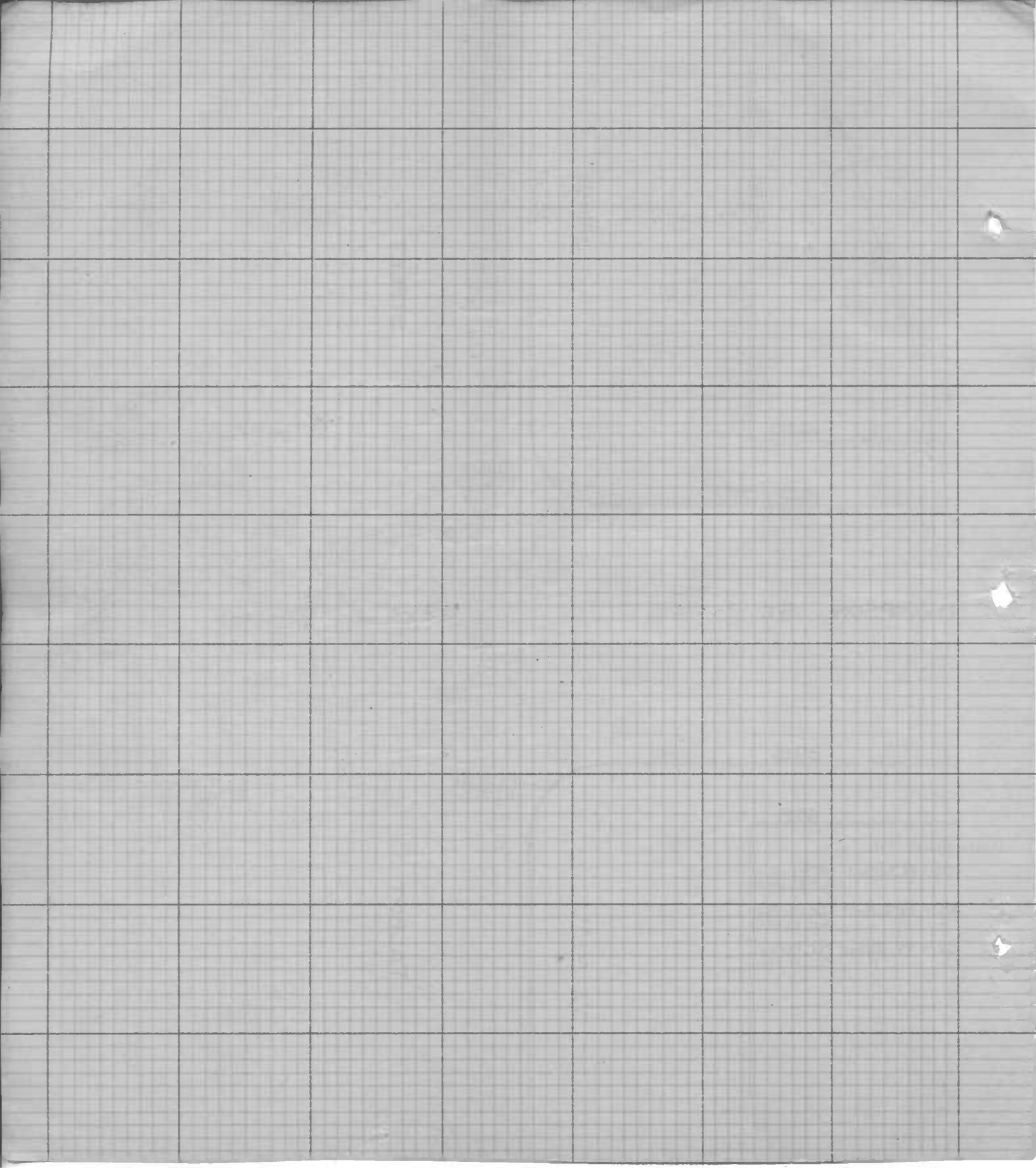
38.0

41.7



~~5/2/11~~  
5/2/11



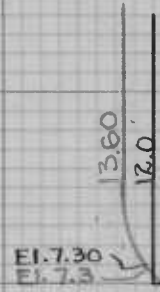






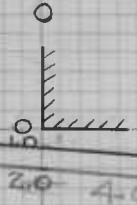
EI. 6.88  
EI. 7.0

STREET



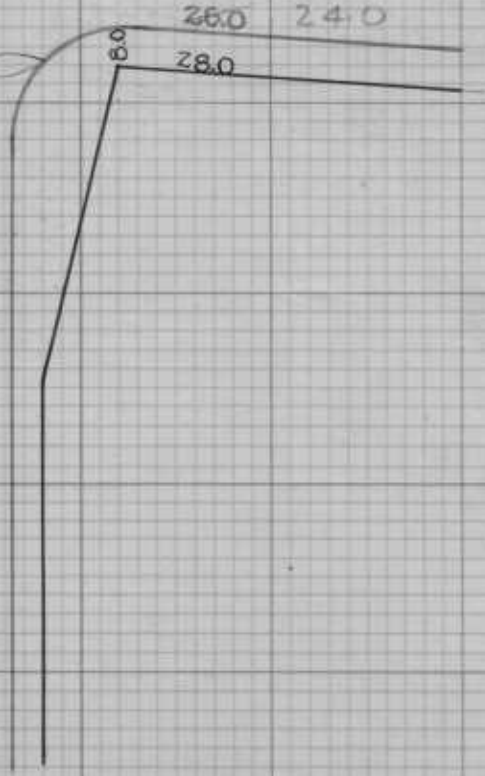
WILLOW

ST.

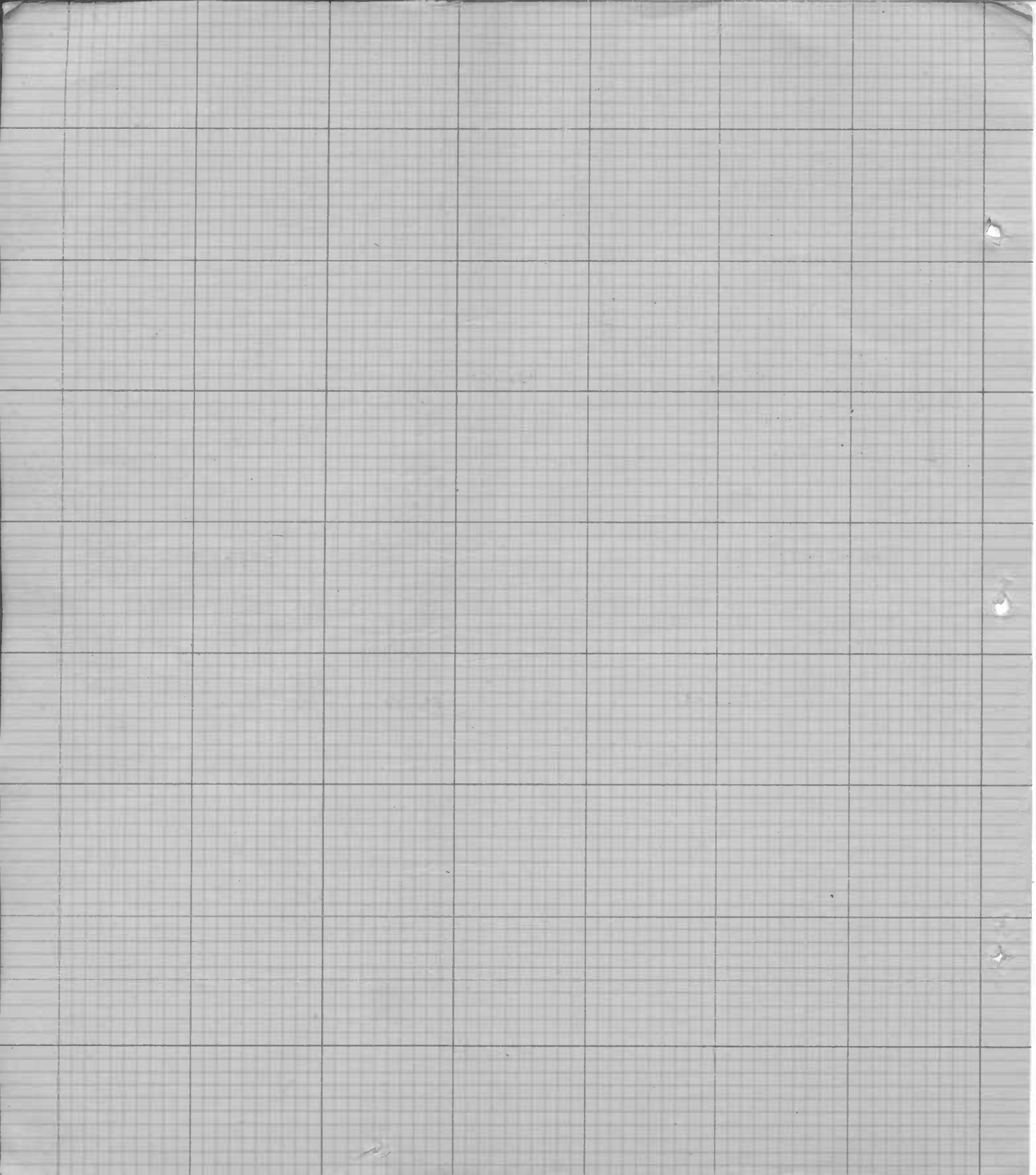


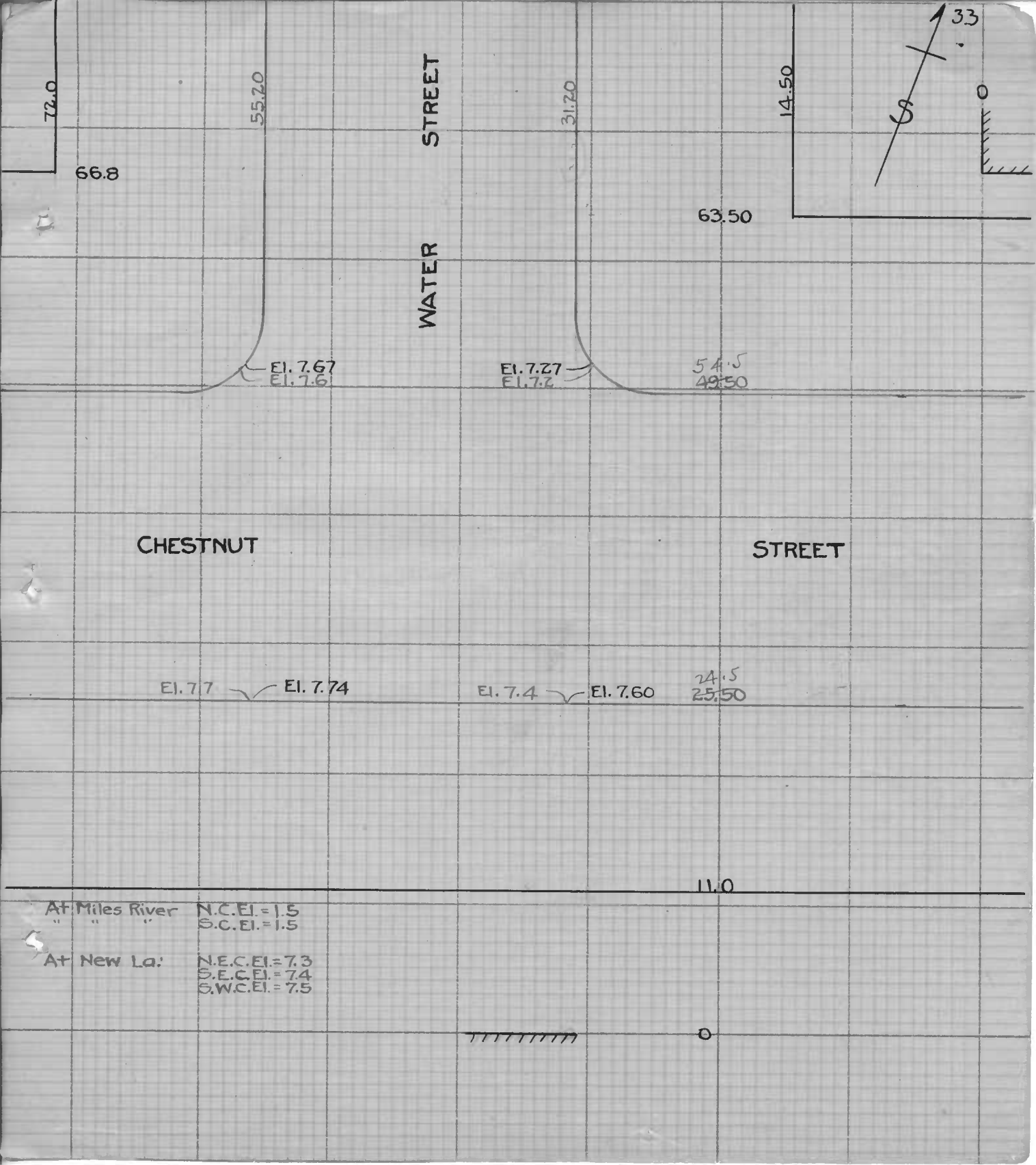
EI. 7.28

EI. 7.55  
EI. 7.6



TALBOT





72.0

66.8

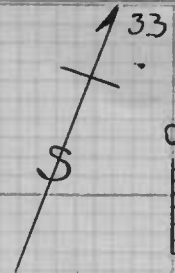
55.20

STREET

31.20

14.50

63.50



WATER

EI. 7.67  
EI. 7.6

EI. 7.27  
EI. 7.2

54.5  
49.50

CHESTNUT

STREET

EI. 7.7

EI. 7.74

EI. 7.4

EI. 7.60

24.5  
25.50

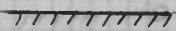
11.0

At Miles River

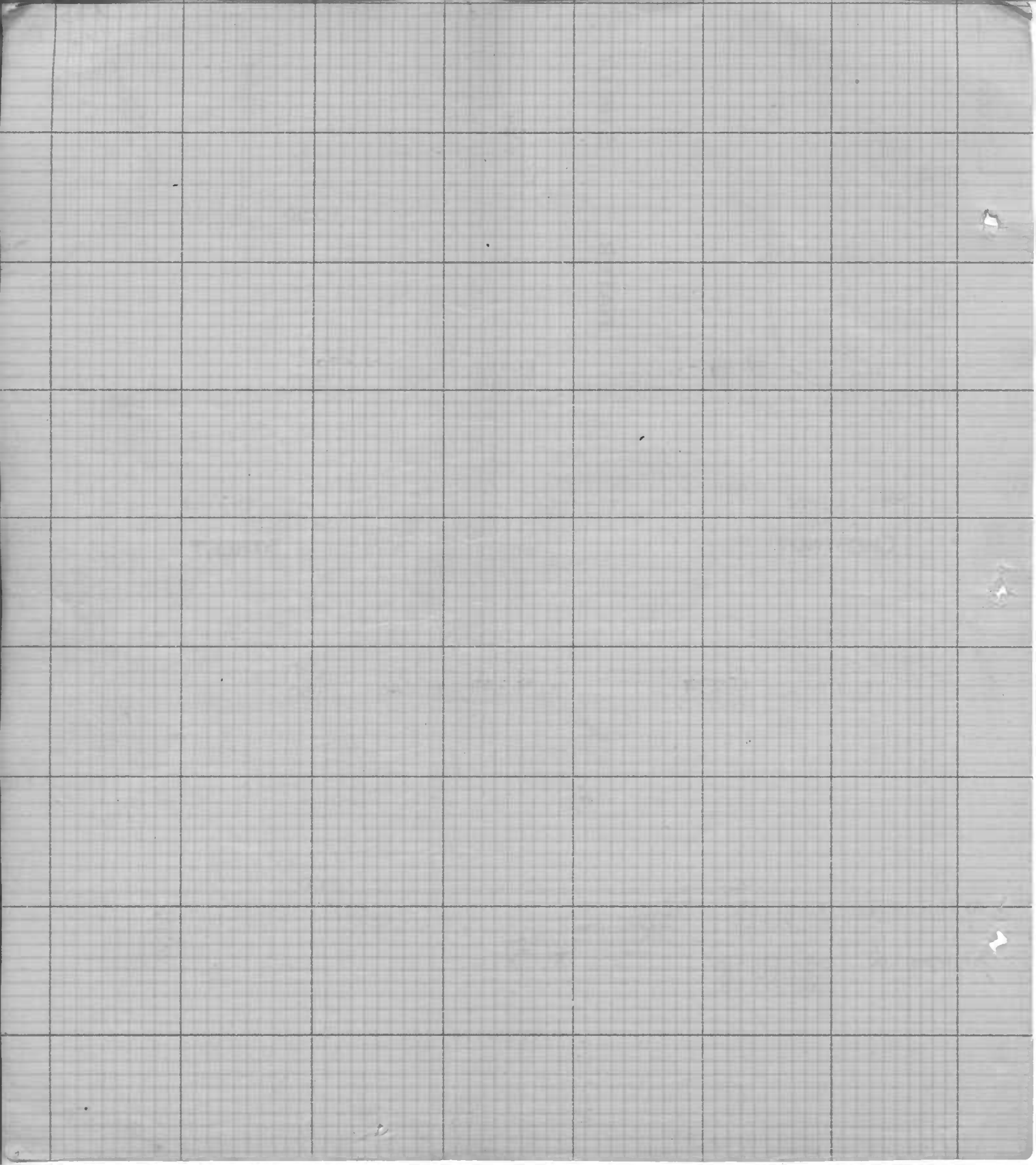
N.C. EI. = 1.5  
S.C. EI. = 1.5

At New La.

N.E.C. EI. = 7.3  
S.E.C. EI. = 7.4  
S.W.C. EI. = 7.5



0





57.40

47.00

El. 8.0  
El. 7.95

El. 7.3  
El. 7.33

MULBERRY

STREET

18.00

El. 7.91  
El. 8.0

El. 7.30  
El. 7.3

Mulberry St. 230' E. Water N.C. El. = 2.0  
" " " " S.C. El. = 2.0

Water St. Al. S. Mulberry NE.C. El. = 5.1  
" " " " N.W.C. El. = 5.1  
" " " " S.E.C. El. = 5.1

ST.

7.30

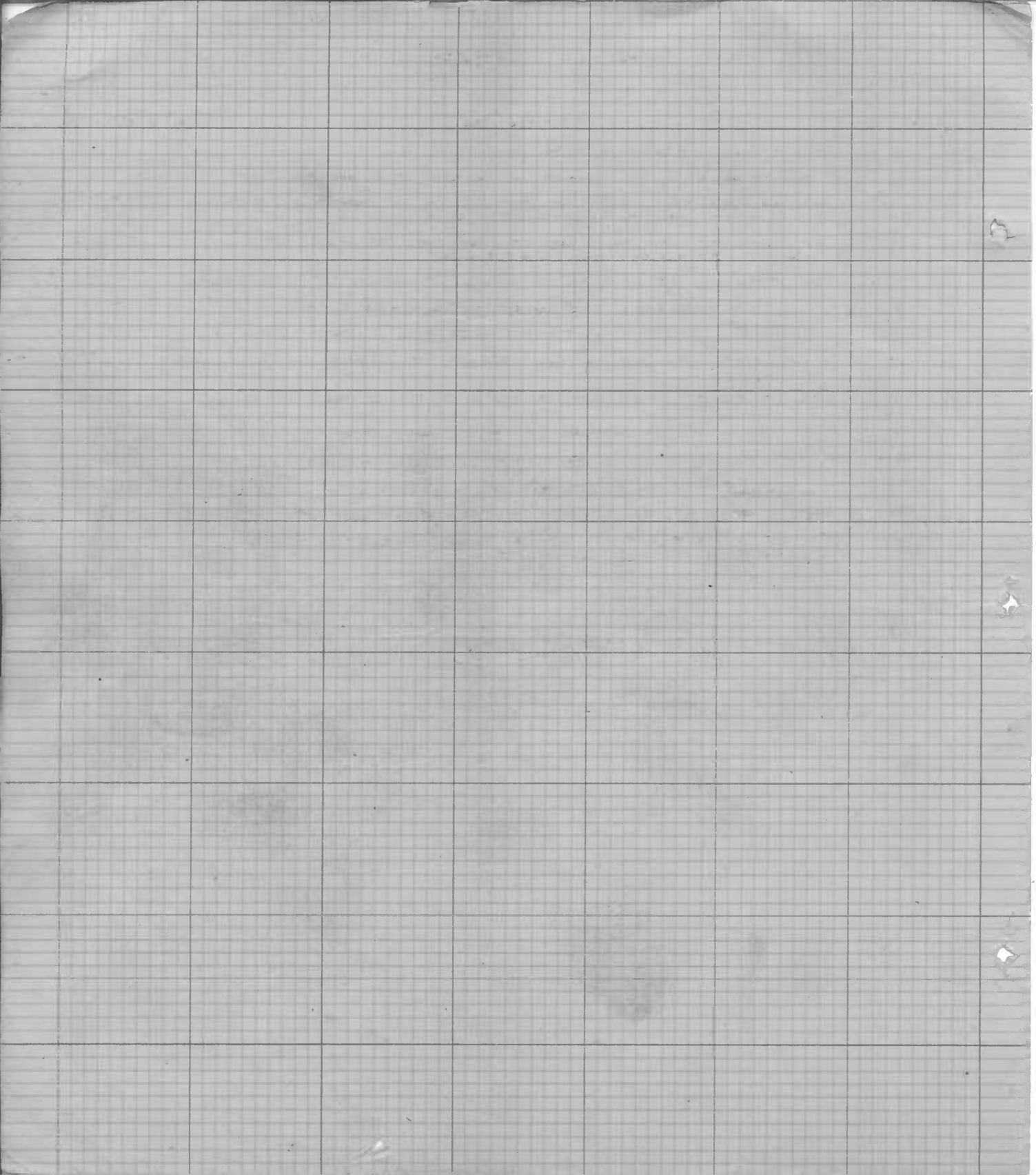
17.70

41.70

62.30

WATER





## BENCH MARKS

B.M. No.	LOCATION	ELEVATION
1	TOP OF GUN AT WILLOW & H STS.	3.35
2	POINT OF ROCK ON S.E. CORNER OF TALBOT ST. & WILLOW AVE.	7.90
3	WINDOW SILL ON W. SIDE OF B. HOUSE ON N.E. CORNER OF PERRY ALLEY & DODSON ST. (N.W. CORNER OF SILL)	12.77
4	TOP CONCRETE CONE ON N. SIDE OF ENTRANCE TO STANDARD OIL CO. GARAGE AT RAILROAD AVE. & B.C.&A. RY.	12.00
5	TOP STONE ON S.E. CORNER OF CHURCH NECK ROAD & FREMONT AVE.	8.09
6	E. SIDE OF N. HEAD WALL TO CULVERT AT TALBOT ST. & SKINNER AL.	7.28
7	S. HEAD WALL OF CULVERT IN CHURCH NECK ROAD E. OF BYDATH AL.	9.50
8	S. SIDE CHERRY ST. TOP CONCRETE BALL E. SIDE OF ENTRANCE W. DR. LEIBS OFFICE	13.40
9	S.W. CORNER OF STONE STEP TO HOUSE ON N.E. CORNER OF LOCUST & CARPENTER STS.	7.55
10	N.E. CORNER CEMENT SIDEWALK ON S.W. CORNER WATER ST. & MULBERRY ST	8.15
11	BOTTOM STONE STEP TO 6" HOUSE E. OF G ST. ON N. SIDE CHESTNUT ST.	9.62
12	S.E. CORNER ROCK ON N.E. CORNER OF G & CHEW STS.	7.49
13	TOP OF ROCK ON N.E. CORNER OF TALBOT & MULBERRY STS.	7.43
14	TOP OF L ON W. END OF RAIL ON S. SIDE OF CHURCH ST. S.E. CORNER CHURCH & TALBOT STS.	8.70

NOTE: DATUM = M.H.W.

$$\frac{15}{8.52}$$

