

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

..... *Plan* Survey

..... *LARPEN TEUR AVE*

From *Smelling Ave* to *Dale St.*

Road Acc't. No.

Date Filed *1923*

File *3*

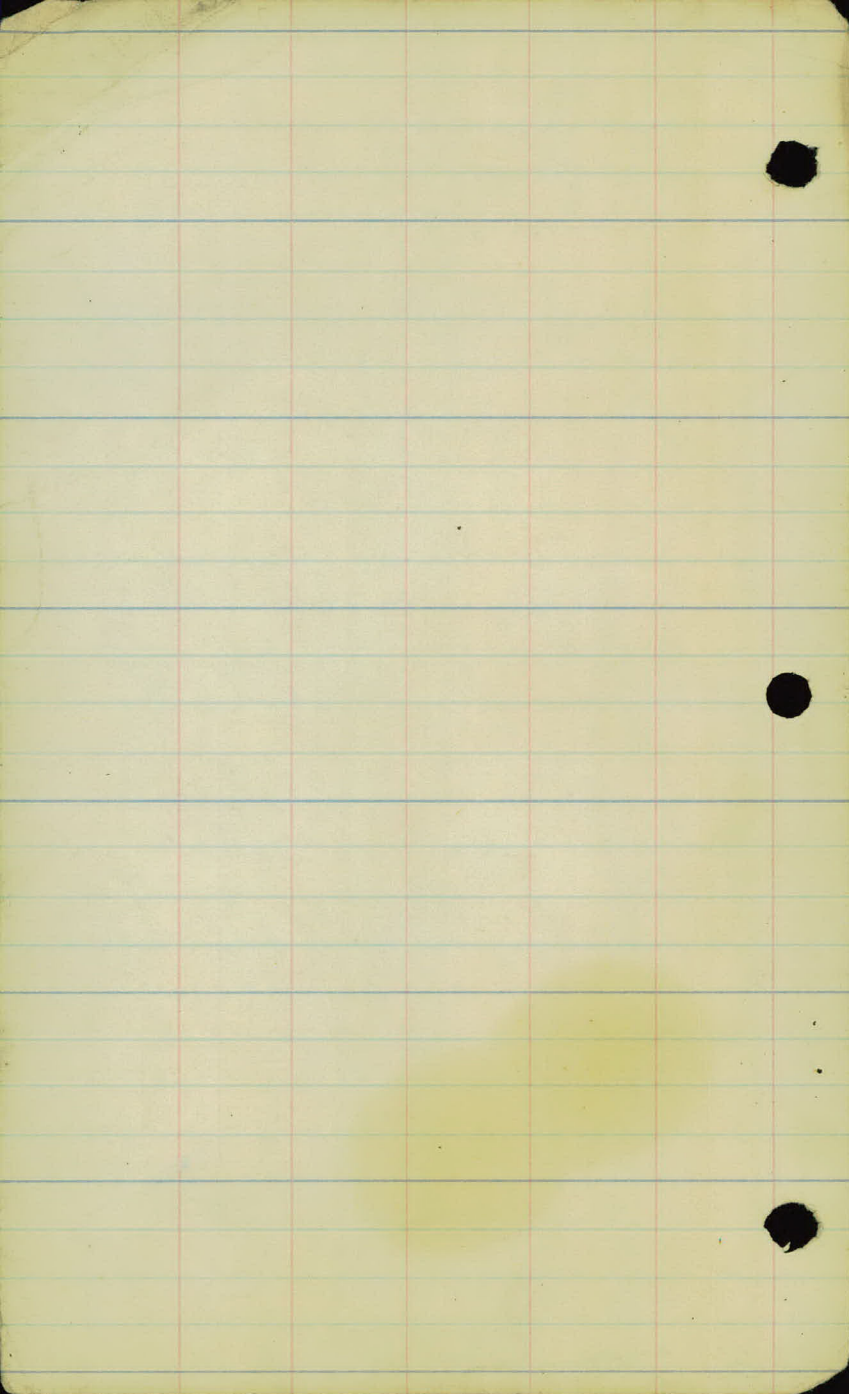
Job. 23-62
INDEX

Larpentar Ave from Snelling Ave
to
Dale St.

From S.W. Cor. Sect. 15 to S.E. Cor.
Sect. 14 - T R

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G. Roffler Inst.
E. Tierney Level
A. L. Parsons Rod
W. Wikhusen Hd. Chain
J. Mahoney Rod. "
J. Carr. Stakes
M. Galvin - Flag





3-24-23

Carpenter Ave

Sta. Point left & Right

Calc. Mag. Bear.

64+00 P.O.T.

S88°-15'E (P)

52+13.9 Mont. P.I.

1°-42'

N89°-33'E

39+68.80 Mont. P.I.

0°-02'

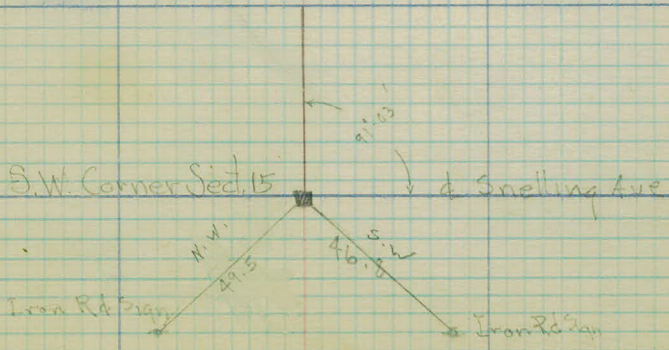
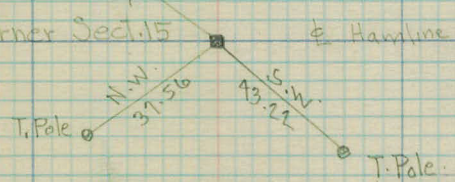
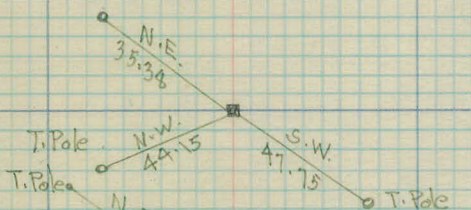
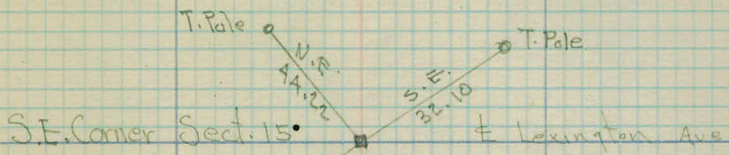
N89°-31'E N85°-50'E

26+61.5 Mont. P.I. 0°-29'

N90°-00'E N86°-15'E

0+00 Mont. & Snelling Ave

R.R. Spike



Station Point Left & Right

Calc. Mag.
Bear.

105+41.8 Iron & Dale st.

S88°-03'E

12+28 ³/₄ Mont.
P.1 0-01'

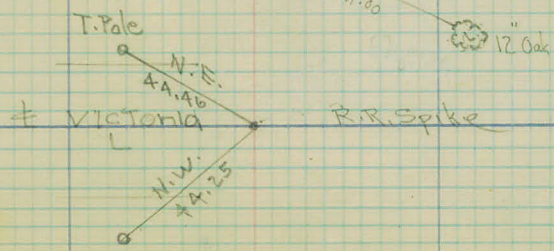
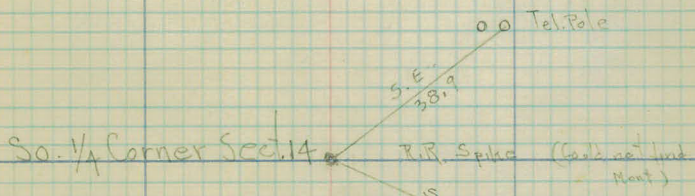
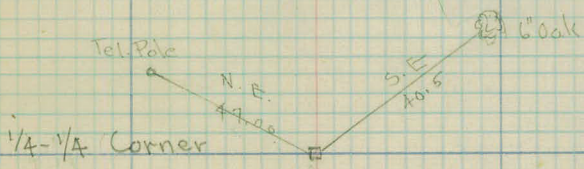
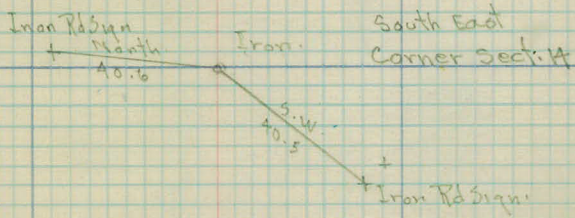
S88°-02'E

79+16 ³/₄ P.1 0-13'

S88°-15'E

71+06 ⁶/₈ P.0T.

S88°-15'E



3-28-23

0+00

R. C. Line

L

E

R

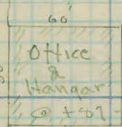
(4)

3+00 @00-211

Cult. field

Tel. Pole

@+76 ± drive R
16"-18" Cor. L. Culv. in case



@+80-11 R Cor. Pkdg.
@+33-20 R T. Pole

16"-18" Cor. L. in case
@+69- E drive

2+00

x @+03-19 R Tel. Pole 35' W

Curtis

Flying
Field

@+72-22 L - Tel. Pole 30' W

1+00

Cult. field

x @+59-46 R Foot. Cor.
@+76-19 R Tel. Pole 35' W
@+73-14 R Cable Pole

- @+40-23 L, Tel. Pole
- @+34-25 L 30' Tree
- @+28-25 L Sign
- @+20-30 L Pow. Pole
- @+19-30 L Nail Br

@+35-31 R Guy. Pole
@+21-33 R Bus. Pole
@+21-36 R 6" Tree

0+00

@00 ± Snelling Ave

- @+32-34 L Tree Cor
- @+36-36 L 24" Tree
- @+40-30 L Iron 24" sign

@+31-31 L Iron 24" sign
@+32-46 L Tree Cor
@+35-35 R 24" Tree
@+29-15 R Tel. Pole

-1+00

Cult. field

Snyder
Ho.

1250-1708 120



-2+00

hard que

L E

@00 - 47 R Fee
@156 - 19 R T. Pole

@151 - 22 L T. Pole

9+00

@146 - 23 L Guy Pole

@150 - 26 R Fee Cor
@146 - 16 R T. Pole
35' W

@120 - 21 L T. Pole

8+00

@122 - 19 R T. Pole

7+00

@190 - 22 L T. Pole
30' W

@200 - 46 R Fee

@190 - 18 R - 16 Tree

6+00

@160 - 23 L T. Pole

@194 - 19 R T. Pole

5+00

@200 - 47 R Fee

@122 - 21 L Tel. Pole

@161 - 21 R T. Pole

4+00

Cult. field

Curtis Northwest Airport

3+00

Larp. Ave.

3-28-23

L

E

R

6

15+00

@+73-231 T.Pole

x @+90-15 R T.Pole

x @+65-232 Hook

14+00

@+40-230 L T.Pole

@00-472 Fee

@+71-15 R T.Pole

Flying Field

13+00

coll field

12+00 @+10-220 L T.Pole

@+46-15 R T.Pole

@+10-15 R Guy Pole

11+00

@+52-231 T.Pole

@+16-15 R T.Pole

@00-471 R Fee

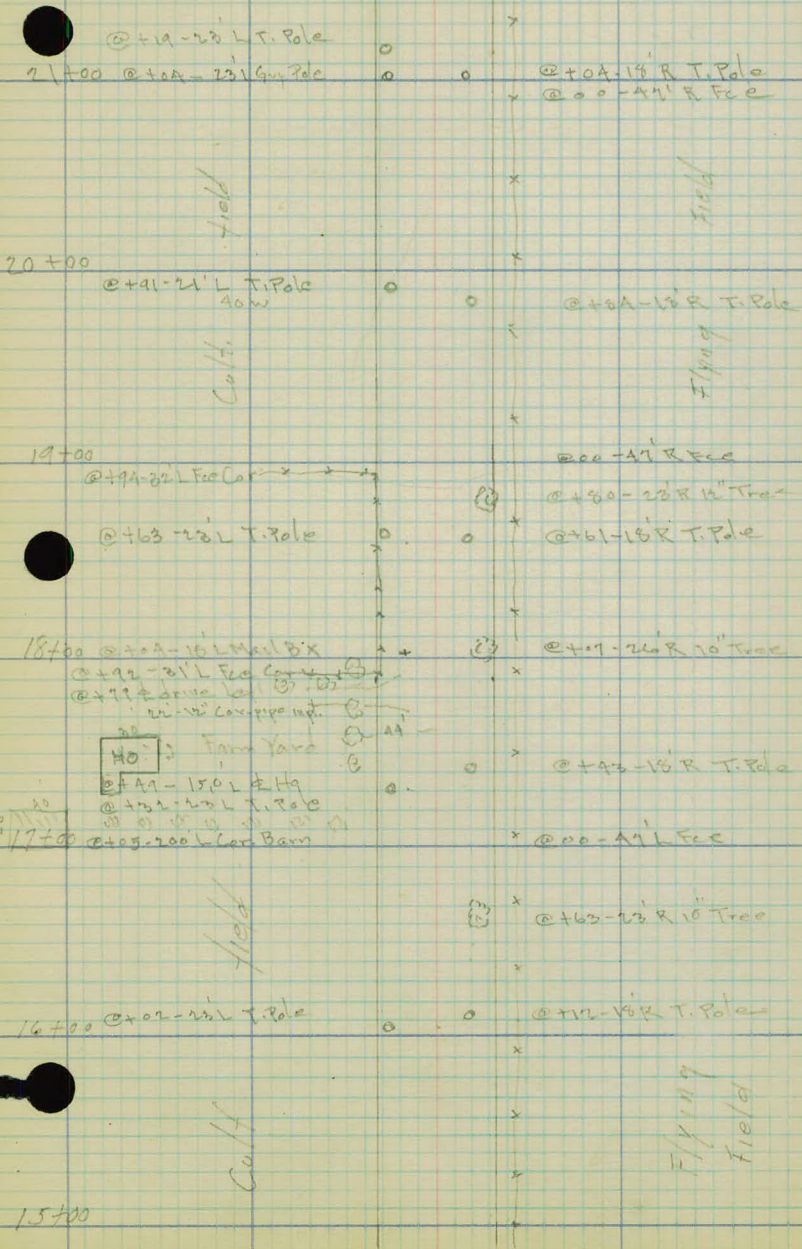
10+00

coll field

Flying Field

9+00

Larp. Ave



@+19-20 L T. Pole

7+00 @+10A-23 L Guy Pole

@+04-18 R T. Pole
@ 00-47 R Fec

20+00

@+91-21 L T. Pole
4aw

@+0A-18 R T. Pole

Field

Field

Cult

Flying Field

19+00

@+94-22 L Fec Cor

@ 00-47 R Fec

@+63-23 L T. Pole

@+60-23 R 12 Tree

@+61-18 R T. Pole

18+00

@+92-21 L Mail Bx

@+07-26 R 10 Tree

@+92-21 L Ea Cor
@+77 L drive lat
20-20 Cor pipe up

HO Farm Yard

@+41-15 L L Hg

@+43-18 R T. Pole

@+32-20 L T. Pole

17+00

@+85-20 L Cor Barn

@ 00-47 L Fec

Field

Field

16+00

@+02-26 L T. Pole

@+12-18 R T. Pole

Cult

Flying Field

15+00

Larp. Ave.

3-28-23

26 + 61.5 \pm Hamline Ave

Brick @ +55 - 45 - 150

@ +60 - 38 L Fce.
@ +59 - 24 L T. Pole

27+00

@ +57 - 23 L Fce Cor

@ +32 - 23 L Iron Rd Sign
@ +24 - 32 L Iron Rd Sign
@ +24 - 23 L T. Pole
26+00 @ +17 - 35 L Sign

Cult field

25+00 @ +10 - 22 L T. Pole

24+00

@ +50 - 24 L T. Pole

Cult field

23+00

@ +19 - 4 drive left
@ +51 - 22 L T. Pole

16" - 12" corr. pipe impl.

Cult field

22+00

21+00

R

8

@ +64 - 17 R Gu + 12
@ +61 - 17 R T. Pole

@ +44.5 - 32 R Brick Block Cor

@ +75 - 32 R T. Pole
@ +69 - 27 R Mail Bx

@ +80 - 27 R Fce Cor & Tree

@ +30 - 29 R 24 Tree
@ +30 - 30 R T. Pole
@ +21 - 17 R T. Pole
@ +03 - 14 R 30 Tree

@ +71 - 22 R - 12" oak
@ +55 - 21 R - 16" oak

@ +02 - 23 R - 30" oak
@ 00 - 17 R Fce
@ +42 - 14 R T. Pole

@ +46 - 20 R - 16 oak

@ +57 - 19 R T. Pole

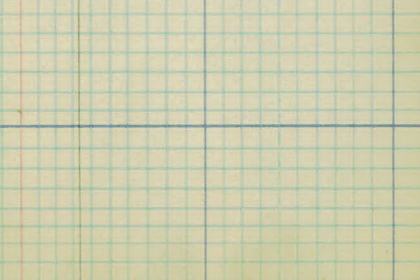
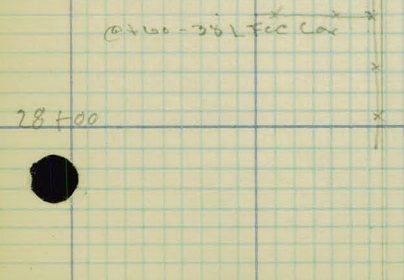
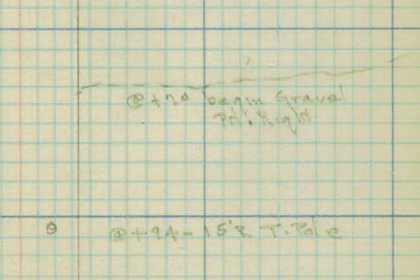
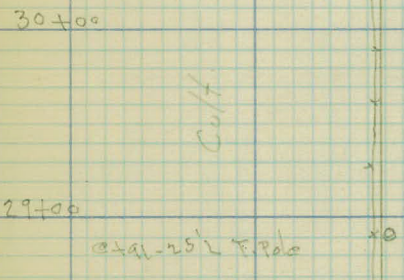
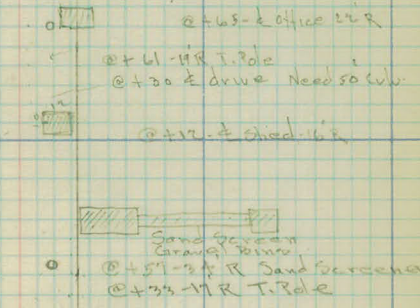
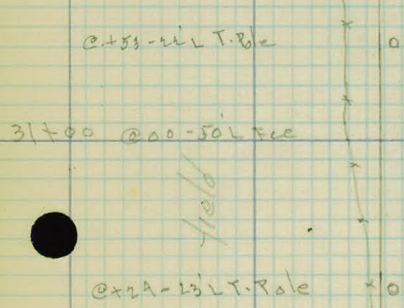
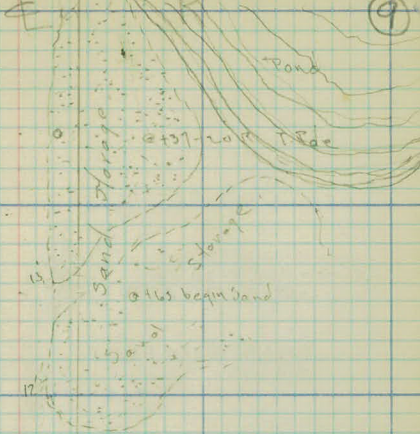
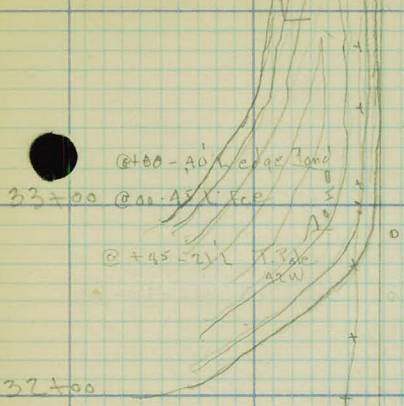
@ +90 - 24 R 10 Tree

@ +56 - 24 R 8 Tree

@ +32 - 18 R T. Pole

Filing

N. , Larpentar Ave. 3-28-23



Larg. Ave

3-28-23

@+65-35L Fce Cor

@+76-39R Wood Post, Black Cor

@+29-21L T. Pole

@+24-21R T. Pole

39

35

@+02-19+12L 2 T. Poles

@+29-19R T. Pole

37

@+69-26L T. Pole

isolated addition to City of Bal

36

@+21-24L Guy Pole
@+04-00L Fce Cor

@+17-19R T. Pole

35

@+40-42L T. Pole
@+35-40L Lead Pans

@207 40R edge Pond
@210 end sand pile

Cult. field

@-87-19R T. Pole

34

@+12-21L T. Pole
@00-90L edge Pond

sand storage

33

Larp. Ave

3-28-23

@+69-22 L T. Pole

@+72-19 R T. Pole

A5

30-12" vit. pipe in place
@+75 Drive L

@+77-14 R Mail Bx

@+75-22 L T. Pole

@+73-19 R T. Pole
30w

AA

Cult. field

Cult. field

A7

@+76-24 L T. Pole

@+70-15 R T. Pole

A2

@+75-21 L - T. Pole

@+73-21 R T. Pole



@+70-26 L Ho.

20 72" vit. pipe in place

@+76 Drive left

@+76-21 L T. Pole

@+73-15 R Mail Bx

@+52-22 R T. Pole

@+41-35 R Wood Block Cor

@11-d Fernwood Ave

23-12" Corr. Iron
(Road 12" in place)

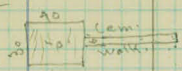
AD

Cult. field

39

3-28-23

Harp Ave



@+4 A^o R

- @+552 Hofer.
- @+76-15 R Mail Bx
- @+71-15 R Mail Bx

@+71-20 L to 6' Cam Walk

- @+37-20 L T. Pole
- @+25-3A L Bush
- @+11-3A L 12 Trce
- @00-32 R Bush
- @+45 Drive L
- 33-10 Corr. Five maces
- @+76-45 L 16 Trce
- @+62 E. Windmill - 160 L
- @+37-11 R 22 L 2 T. Poles
- @+32 Barn 200 L.

< @+16-37 R. Cam. Sign

@+40-20 R T. Pole

51

50

@+69-21 R T. Pole

@+25-21 L T. Pole

AA

@+63 Drive R
Need 10 culv

@+27-22 L T. Pole

@+33-21 R T. Pole

44

Cult.
field

A7

@+47-21 L T. Pole

- @+06-19 R T. Pole
- @+90-43 R T. Pole

A6

Cult.
field

Cult.
field

33

3-28-23

Larp. Ave

82773.9

@+19-23 L T. Pole

@+66-20 R T. Pole

@+35 1/2 drive R. Need check

@+25-17 R. Mail Bx

@+14 1/2 Ha. R. 90 R

59

@+44-22 L T. Pole

@+35-20 R - T. Pole

56

Cult
field

@+55-19 R 2-3 T. Pole

@+10-19 L T. Pole

@+12 1/2 drive R. Need ed
@+10-22 R 30' T. Pole

55

Cult
field

@+75-2 Ha. R. 90 R
@+77-25 R begin hedge
@+84-22 R and berry plants
@+11-24 R 4" Tree edge Blvd
@+105 1/2 drive R. Need 20' ed.
@+53-19 R 6' Tree
@+73-19 R Mail Bx

5A

@+10-19 L T. Pole

@+84-11 R T. Pole

Cult
field

@+82-2 Ha. R. 10 R
@+36-76-23 R - Bushes
@+32-27 R - 6' Tree
@+11-23 R to hedge
@+34-24 R 6' Tree
@+22-10 R T. Pole

53

@+17-35 L Guy Pole

Lexington
Ave

@+46-125 L Iron Rd 6' x 4'
@+44-26 L Iron Rd 4' x 4'
@+41-31 L T. Pole
@+20-32 L 12' Tree

++
3
3

52

@+41-32 L 16' Tree

@+09-21 R T. Pole

51

3-28-23

Larp Ave

@+47 2 No
Left 40 L
@+36



63

@+41-21 L T Pole
@+61-30 L T Pole

3 3
3 3
3 3
3 3
Oak Timber

@+45-4 Drive R

@+43-35 to 3 Comm walk
@+46-14 R Mail Pk @+71
@+44-11 R T Pole & Ho. 00 R
@+55-14 R T Pole 30w

00+

@+43-34 R local tend bushes
@+44-35 R
@+45-36 R
@+46-37 R
@+47-38 R
@+48-39 R
@+49-40 R
@+50-41 R
@+51-42 R
@+52-43 R
@+53-44 R
@+54-45 R
@+55-46 R
@+56-47 R
@+57-48 R
@+58-49 R
@+59-50 R
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@+86-77 R
@+87-78 R
@+88-79 R
@+89-80 R
@+90-81 R
@+91-82 R
@+92-83 R
@+93-84 R
@+94-85 R
@+95-86 R
@+96-87 R
@+97-88 R
@+98-89 R
@+99-90 R

62

@+20-14 L T Pole
@+55-21 L Mail BX
@+26 2 drive L Need 20ft
@+26 and orch
@+00-96 L Apple Orchard

@+34-14 R T Pole

61

@+49-35 L Bush
@+61 2 Ho. L 150 L
@+31-21 L T Pole

Cult

60

@+12-20 R T Pole

Cult

59

@+09-22 L T Pole

@+12-21 R Guy Pole

@+61-13 R T Pole

58

Cult field

Cult field

57

3-28-23

Larp. Ave.

@ +39 - 21 L.T. Pole

@ +19 - 21 R 10" oak
@ +26 - 20 R T. Pole

Coll.

Coll.

@ +08 - 2A L T. Pole

@ +91 - 20 R T. Pole
35W

Hold

Coll. field

@ +50 - 23 L T. Pole
4W

@ +93 - 22 R 16" oak

Coll.

@ +58 - 21 R 10" oak

@ +14 - 16 - 20 R L T. Poles

@ +21 - 14 L Mail Box
@ +16 - 17 L Mail Box
@ +9A - 2 Rd Left
@ +67 - 31 L Fcc + Cor +
@ +73 - 11 L Hd. wall Colv.

@ +21 - 24 R 10" oak

@ +97 - 15 R Hd wall Colvert

15" v.d. Conci. Hd walls

@ +57 - 19 - 23 L T. Pole

@ +19 - 17 R T. Pole

@ +60 - 31 L Fcc

@ +85 - 26 R - 14" oak

@ +44 - 12 R Mail Box

@ +60 - 90 Rd Ho

@ +16 - 19 L Mail Box

@ +20 & Ho 90' Ho

@ +16 - 17 L T. Pole

@ +00 - 31 Fcc

@ +14 - 11 L Hd wall Colv.

@ +26 - 24 R 10" oak

@ +11 - 24 2.12" oak

@ +01 - 11 Drive R. Hd wall Colv.

@ +00 - 11 R T. Pole

DAK Timber

69

68

67

66

65

64

63

3-18-23

Larp. Ave.

71+06 b

L E R

- @+44-16 L cur pole
- @+39-19 Iron Rd sign
15' pit.
- @+25-15 L Hd wall Culv.
- @+17-50 L Row. Pole

- @+60-40 R 14" oak
- @+47-55 R Hd wall Culv
- @+34-4 Victoria. Right
- @+16-60 R Row. Pole
- @+30-60 R 10" oak

- @+41-31 L 2 oak
- @+54-23 L T. Pole
- @+31-21 L-3 oak

- 1A @+20-24 L Trees

- 1B @+24-24 L T. Pole
- @+20-34 L to Trees

- @+50-50 L Row. Pole

- 1C @+30-34 L to Trees
- @+26-22 L T. Pole

- @+41-34 L ^{St. 10' x 8' 6"} _{10' x 8' 6"}
- @+39-32 L T. Pole
- @+27-21 L Bulletin Bd.

- Victoria
- @+25-20 L ^{St.} Iron Rd. Sign
- @+67-21 L T. Pole

70
Cult. field

Cult. field

Cult. field

Cult. field

+

o

o

o

o

o

o

o

o

o

3-24-23

Lary. Bw

70
 60
 50
 40
 30
 20
 10
 0

94 to 95 - end wall 32' L
 @ 4 75 - 2 Chapel - 175 L
 @ 4 64 - 32 L Fce Cor
 @ 4 58 - 60 - 70 L Fce Cor
 @ 4 25 - 70 L Cor. 50' Post
 @ 4 10 d. Drive to Rosalyn Cemetery
 @ 4 95 - 70 L Stone Gate Post
 @ 4 82 - 60 to 70 L Cor. 1/2
 @ 4 63 - 22 L T. Pole
 @ 4 30 - 150' L d Stone Blvd
 @ 4 57 - 32 L Cor. wall
 L. Blvd. 60 to 70
 @ 4 29 - 31.5 L Cor. Stone Wall

@ 4 59 - 14 R T. Pole 35 W
 55' - 16" vit. Cult. in place
 * @ 4 97 - 14 R 10" oak + Fce Cor
 @ 4 75 - 14 R 6" oak
 @ 4 65 - 14 R 1" Pole
 @ 4 61 - 14 R 6" oak
 @ 4 46 - 70 R 6" oak
 @ 4 39 - 22 R 12" oak + Fce Cor

19
 18
 17
 16
 15

@ 4 59 - 22 L T. Pole
 @ 4 00 - 39 L Hedge + Trees
 @ 4 46 - 24 L T. Pole
 @ 4 00 - 34 L Trees + Hedge

@ 4 19 - 21.6 R 2 T. Pole
 @ 4 51 - 26 R 10" oak
 @ 4 46 - 46 R 9" oak
 @ 4 37 - 20 R T. Pole
 @ 4 15 - 25 R 10" oak
 @ 4 09 - 26 R 8" oak

17
 16
 15

@ 4 14 - 21 L T. Pole
 @ 4 00 - 34 L Trees + Hedge
 @ 4 00 - 34 L Trees
 @ 4 35 - 21 L T. Pole

@ 4 14 - 37 R 20" oak
 @ 4 10 - 14 R T. Pole
 @ 4 07 - 27 R 18" oak
 @ 4 00 - 30 R 10" oak
 @ 4 01 - 27 R 10" oak
 @ 4 53 - 43 R 9" oak
 @ 4 62 - 71 R 14" oak
 @ 4 51 - 46 R 24" oak
 @ 4 26 - 26 R 20" oak
 @ 4 07 - 32 R 30" oak
 @ 4 03 - 20 R T. Pole

3-29-23

@+6A-22 L T. Pole

48 @00-35 L to Bushes + Trees

@+25-14 R T. Pole

Cult. field

@+30-22 L T. Pole

47

Cult. field

@+40-15 R T. Pole
@+40 Barn 16x2

@+66± Area
@+41± 20 R Trees

46

@+45-22 L T. Pole
20x

@+11 & cul 32.8" Cor. Pipe

@+90± Ho. 50 R
@+90± 15 R 14" Tree
@+71-14 R T. Pole

45

@00-34 field to hedge & Trees

field

(2) @+51-34 R 30" Mark
@+20-40 R Trees

@+66-22 L T. Pole

@+67-15 R Guy Pole
@+53-16 R T. Pole

44

Cult.

field

@+31-22 L T. Pole

@+19-14 R T. Pole

43

@06-31 L Hedge + Trees

Cult.

42

@+05-22 L T. Pole

3-29-23

Larp. Ave

92+28² 1/4 - 1/4 Cor. E Rd. Right'

L

E

R

@+55-26 L Fce X Gov
@+37-23 L T. Pole

@+60-20 R beam Fce
@+59-14 R T. Pole

95

Cult field

@+03-20 R 8' oak

@+29 end Arch. 25' + Fce Gov

@+36-16-22 R T. Pole

97

@+69-21 T. Pole

@+00-27 R-12' oak

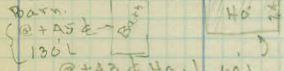
@+40-26 L Fce Gov

Cult field

@+73 drive

@+17-26 Fce Gov

@+30-26 L Fce



@+75-20 R 3-4' oaks

@+38-19 R 3-4' oaks

93

@+69-21 L T. Pole

@+08-14 R T. Pole

@+05-17 R 3' oak

@+27-21 R 5' oak

@+50-21 R 4' oak

@+65-21 R Gov T. Pole

@+63-21 R 6' oak

@+27-25 L Fce Gov

+25.2 E Rd.

92

@+10-21 L Guy Pole
@+210-end Bushes L
26' L

@+01-31 R T. Pole

@+15-15 R T. Pole

@+33-21 L T. Pole

91

@+16-18 R T. Pole

Cult field

90

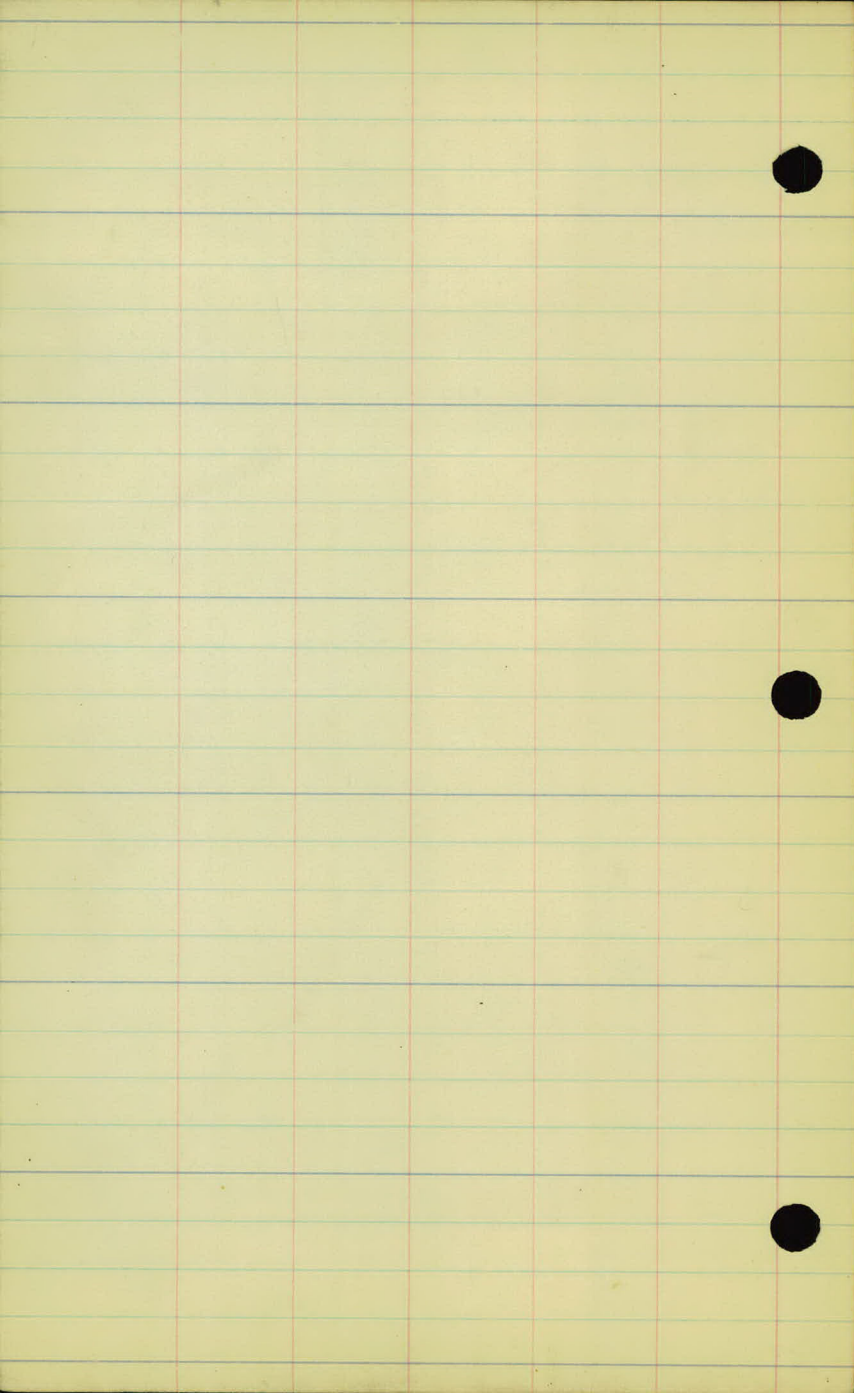
@+02-21 L T. Pole
@+00-35 L
to Bushes
+ Trees

Cult field

Cult field

@+56-15 R T. Pole

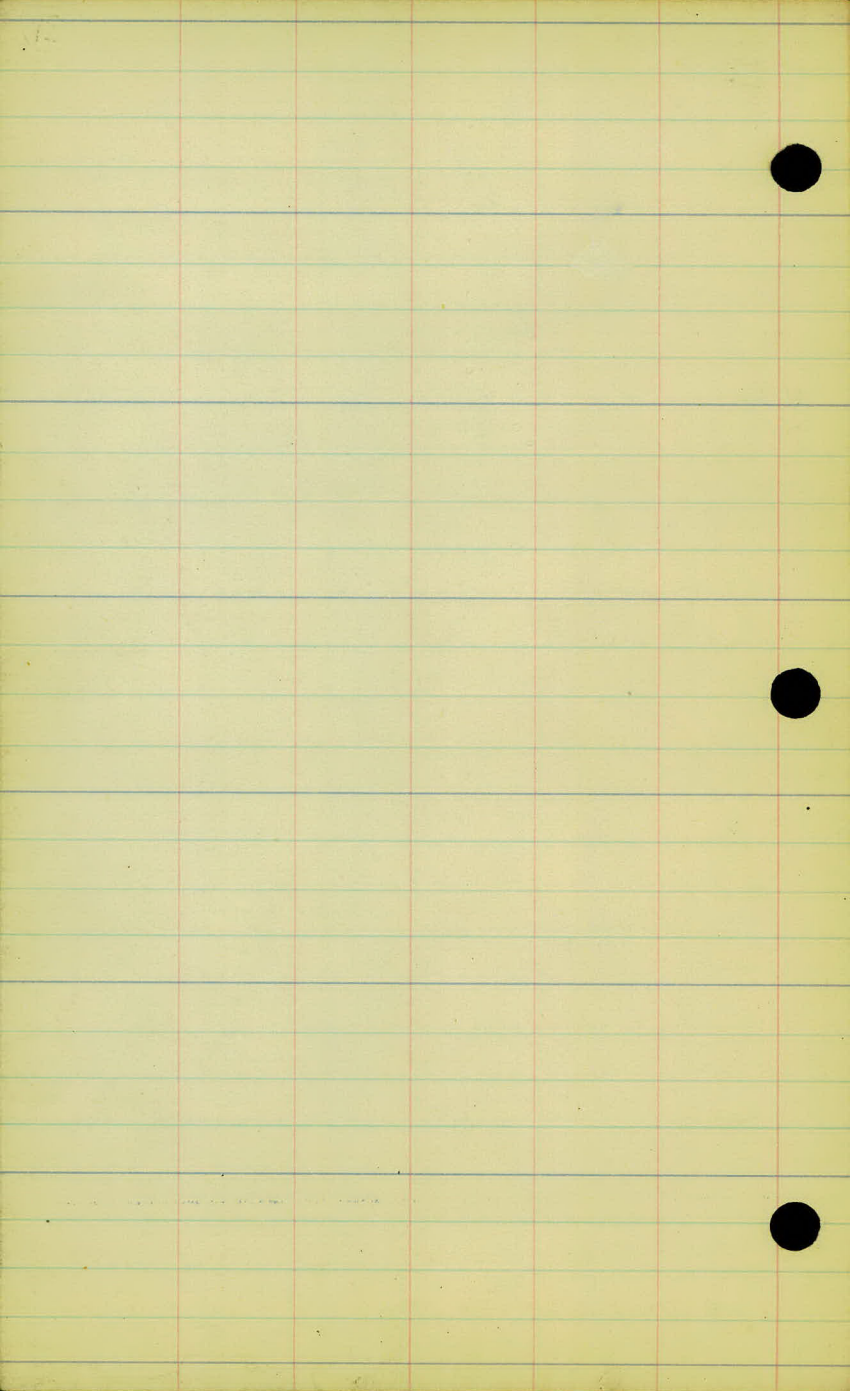
89



3-29-27

Larp Ave

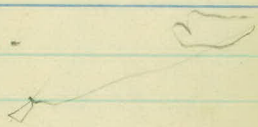
105 + 41 ⁸ = Dale St



* Elev. Larpenteur Ave.

Smelling Ave to Dale St.

F.P Tierney



3/27/23

Tierney
Persons

6383

B.M.	2.06	266.21	21	264.31	6383
0+00				2.38	62.83
-100'				1.2	65.2
-200'				0.7	65.7
-300'				0.6	65.8
0+33				3.0	63.4
1+00				4.1	62.3
2				5.3	61.1
3				6.4	60.0
4				7.3	59.1
5				8.0	58.4
	5.33	263.37	8.17		258.04
6				5.2	58.2
7				5.1	58.3
8				5.2	58.2
9				4.9	58.5
10				4.6	58.8
11				4.9	58.5
12				5.3	57.9
13				5.4	58.0
	5.97	263.65	5.69		257.68
14				5.5	58.2
B.M.				4.50	59.15
15				5.1	58.6
16				5.0	58.7

264.31
257.68
6.53

13.86
7.73
6.13

Nail in 20" Oak - S.W. Cor. Snell + Larp.
Top Monument Snelling + Larp.

Nail in 12" Oak R 14+75

3/27/23

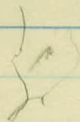
263.65

17				6.2	57.5 ✓
18				7.6	56.1 ✓
19				9.4	54.3 ✓
	3.81	257.89	9.57		254.08 ✓
20				4.3	53.6 ✓
21				4.7	53.2 ✓
22				4.8	53.1 ✓
23				4.6	53.3 ✓
24				5.3	52.6 ✓
25				5.2	52.7 ✓
B, M	4.34	256.97	5.26		252.63 ✓
26				4.3	52.7 ✓
+55				4.5	52.5 ✓
27				6.9	50.1 ✓
28				11.5	45.5 ✓
	2.12	248.14	10.95		246.02 ✓
29				7.0	41.1
30				11.8	36.3
	0.54	237.52	11.18		236.96 ✓
31				6.2	31.3
31 +50				8.6	28.9
32				11.2	26.3
	2.65	229.07	11.10		226.42 ✓
33				8.3	220.8
B, M	19.45	227.95	7.89		221.18 ✓

227.95
21.15
26.50
208

7.89
5.19
32.70

252.63
 4.34
 256.97
 5.42
 261.39



Nail in 18" Oak R 24+45

Top Man; Hamline + Larp.
 Int. Hamline + Larp.

Nail in T.P L32 + 85 T.P # 15979

3/28/23

0.03 221.21

{Tierney
Persons}

221.18

34				5.0	16.2
35				8.4	12.8
36				9.7	11.5
37				9.4	11.8
38				7.7	13.3
39				6.1	15.1
40				5.3	17.9
+12				3.0	18.2
41				0.1	21.1

10.95 231.92 0.24 220.97

- 42				8.3	23.6
43				6.4	25.5
44				4.4	27.5
+80				2.8	28.1
45				2.1	29.8

11.79 243.08 0.63 231.29

46				10.2	32.9
47				6.4	36.7
48				3.3	39.8
+35				2.2	40.9
49				1.0	42.1

10.28 253.04 0.32 242.76

50				9.4	43.6
+85				7.0	46.0
51				6.6	46.4
52				4.1	48.9

$$\begin{array}{r} 22.77 \\ 21.15 \\ \hline 21.82 \end{array}$$

$$\begin{array}{r} 242.76 \\ 221.18 \\ \hline 21.58 \end{array}$$

Int. Fernwood Ave + Larp. (R.)

Rdwy L.

RE L.

3/28/23

25304

+80				4.76	248.28
B.M.				3.37	249.67
53				4.4	48.6
54				4.4	48.6
55				5.0	48.0
+12				5.2	428
56				5.7	47.3
57				6.1	46.9
	9.15	256.11	6.08		246.96
+39				9.2	46.9
58				9.0	47.1
59				8.5	47.6
60				6.7	49.4
61				4.8	51.3
+45				4.4	51.7
62				4.3	51.8
63				4.7	51.4
B.M.	0.37	251.61	4.87		251.24
+85				1.6	50.0
+90	19.43		16.95	1.7	49.9
64	16.95			1.8	49.8
	<u>8.48</u>				
65				2.7	48.9
66				3.7	47.9
67				4.4	47.2
68				5.2	46.4
69				6.5	45.1

292.76
251.24
 8.48

207.1

Tap, Mass. - Int. Lexington + Larp.

Nail in T.P. N.W. Cor. Int. Lex + Larp.

~~Rdwy~~ P. Ent. R.

~~R. L~~

P. Ent. R.

P. Ent. R

P. Ent. L

P.E. R

Nail in T.P. L 63+00 # 15955

P. Ent. R

P. Ent. R

Rdwy L.

3/28/23

251.61

70				7.8	43.8
71				9.3	42.3
+10				9.4	42.2
72				11.7	39.9
	2.10	241.81	11.90		239.71
73				6.7	35.1
74				9.5	32.3
75				12.2	29.6
	2.62	232.16	12.27		229.54
76				2.5	
+35				2.8	29.4
B.M.				2.25	229.31
76				2.8	29.4
77				3.0	29.2
78				3.2	29.0
79				4.4	27.8
80				6.6	25.6
81				7.0	25.2
82				8.8	23.4
83				9.3	22.9
84				8.8	23.4
	8.05	231.41	8.20		223.36
85				7.7	23.7
86	5.09			8.5	22.9
87				8.0	23.4
88				6.0	25.4
89				4.1	27.3
BM				4.04	227.37

251.24
223.34
27.88

32.97
5.09
27.88
J.M.

Int. Larp. & Victoria

Not in T.P. # 15935

Rdwy R

Sp. in El. Light Pole L 75+45

Ent. L to Rose Lane Cemetery

Sp. in T.P. L 88+70 T.P. # 15935

3/28/23

231.41

90				3.1	228.3
91				2.9	28.5
92				2.3	29.1
+35				1.9	29.5
93				1.7	29.7
	2.96	232.98	1.39		230.02
+78			1.39	4.0	29.0
94				4.2	28.8
95				4.6	28.4
96				4.7	28.3
97				5.0	28.0
98				5.5	27.5
99				5.2	27.8
100				4.9	28.1
101				5.6	27.4
102	3.19	230.71	5.46		227.52
+60				4.0	26.7
102				4.4	26.3
103				5.0	25.7
104				5.3	25.4
105				4.3	26.4
+41				4.5	26.2
BM			4.26		226.45

$$\begin{array}{r} 14.20 \\ 11.11 \\ \hline 3.09 \end{array}$$

$$\begin{array}{r} 226.45 \\ 223.36 \\ \hline 3.09 \end{array}$$

11.4

WJ

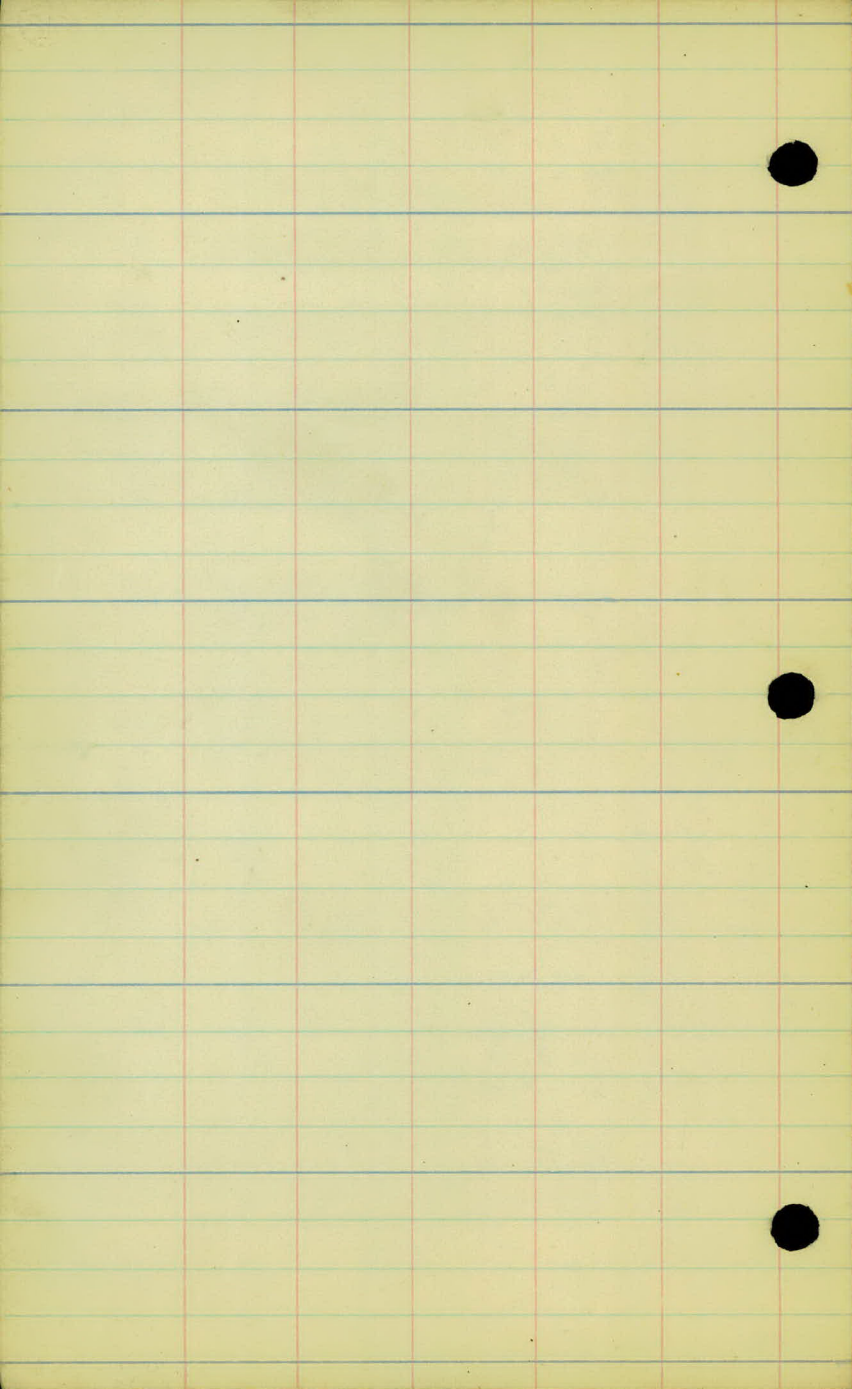
Rdy R

P. Ent. L

P. Ent. L

Int, Dale + Corp.
Nail in 12" Oak

End Line



X - Sections

Larpeneur Ave.

Snelling to Dale St.

3/30/23

Tierney
Person's
Mahoney

12 ~~57.9~~ 58.1

11 58.5 ✓

10 58.8 ✓

9 59.5 ✓

8 58.2 ✓

7 58.3 ✓

6 58.2 ✓

5 ~~58.4~~ 58.2

4 ~~59.1~~ 58.9

3 ~~60.0~~ 59.8

2 ~~61.1~~ 60.9

1+00 ~~62.3~~ 62.1

0+33 ~~63.4~~ 63.2

0+00 ~~62.03~~ 63.83

L.O. $\frac{-0.2}{27}$ $\frac{-1.0}{20}$ $\frac{-0.5}{16}$ $\frac{-0.9}{14}$ $\frac{-1.1}{17}$ $\frac{-0.6}{21}$ $\frac{-0.2}{28}$ $\frac{-0.5}{33}$ L.O.

L.O. $\frac{-0.5}{27}$ $\frac{-1.1}{20}$ $\frac{-0.5}{17}$ $\frac{-1.0}{14}$ $\frac{-1.4}{17}$ $\frac{+0.3}{28}$ $\frac{+0.3}{33}$

L.O. $\frac{-0.1}{27}$ $\frac{-1.0}{20}$ $\frac{-0.6}{16}$ $\frac{-0.7}{13}$ $\frac{-1.3}{16}$ $\frac{0.0}{21}$ $\frac{0.0}{30}$ $\frac{-0.3}{33}$

L.O. $\frac{0.0}{28}$ $\frac{-1.0}{20}$ $\frac{-1.1}{11}$ $\frac{0.0}{33}$

$\frac{+0.7}{33}$ $\frac{-0.1}{20}$ $\frac{-1.2}{17}$ $\frac{+0.5}{33}$

L.O. $\frac{-0.7}{14}$ $\frac{-1.2}{14}$ $\frac{-1.0}{25}$ $\frac{-1.4}{33}$

L.O. $\frac{-0.2}{24}$ $\frac{-0.6}{11}$ $\frac{-0.8}{21}$ $\frac{-1.0}{33}$

L.O. $\frac{+0.1}{28}$ $\frac{-0.5}{20}$ $\frac{-0.3}{19}$ $\frac{0.0}{32}$ L.O.

$\frac{-0.1}{33}$ $\frac{-0.4}{26}$ $\frac{-1.1}{28}$ $\frac{-0.7}{20}$ $\frac{-0.1}{32}$ $\frac{-0.1}{34}$

L.O. $\frac{-0.2}{24}$ $\frac{-1.0}{20}$ $\frac{-0.8}{16}$ $\frac{-0.9}{21}$ $\frac{-0.3}{29}$ $\frac{-0.5}{33}$ L.O. 12'

$\frac{0.0}{33}$ $\frac{0.0}{28}$ $\frac{-0.9}{21}$ $\frac{-0.5}{13}$ $\frac{-1.0}{19}$ $\frac{+0.6}{29}$

$\frac{-0.2}{34}$ $\frac{0.0}{23}$ $\frac{-0.9}{21}$ $\frac{-1.0}{16}$ $\frac{-0.2}{25}$ $\frac{-1.3}{33}$

$\frac{-0.3}{33}$ $\frac{-1.0}{38}$ $\frac{-0.5}{20}$ $\frac{-0.7}{16}$ $\frac{-0.6}{33}$

$\frac{+0.1}{100}$ $\frac{+0.1}{50}$ $\frac{-0.5}{50}$ $\frac{-0.1}{100}$

3/30/23

25 52.7 ✓

24 52.6 ✓

23 53.3 ✓

22 53.1 ✓

21 53.2 ✓

20 53.6 ✓

19 54.3 ✓

18 56.1 ✓

+ 80 56.4 Pr. Ent. L

17 57.5 ✓

16 58.7 ✓

15 58.6 ✓

14 58.2 ✓

13 58.0 ✓

$$L_{10} \quad \begin{array}{cc} -0.5 / 25 & -0.9 / 20 \\ -0.8 / 13 & -1.3 / 20 \\ -0.8 / 28 & -0.1 / 34 \end{array}$$

$$L_{10} \quad \begin{array}{cccc} -0.2 / 30 & +0.2 / 28 & -0.5 / 21 & -0.5 / 19 \\ -0.7 / 13 & -1.2 / 16 & +1.3 / 31 & +1.3 / 33 \end{array}$$

$$L_{10} \quad \begin{array}{cccc} 0.0 / 28 & -0.7 / 20 & -0.5 / 18 & -0.7 / 13 \\ -1.2 / 15 & -1.1 / 23 & -0.7 / 24 & +0.3 / 33 \end{array}$$

$$L_{10} \quad \begin{array}{ccc} +1.1 / 28 & -0.8 / 21 & -0.5 / 17 \\ -0.4 / 9 & -0.9 / 13 & -0.3 / 26 \end{array} \quad L_{10}$$

$$L_{10} \quad \begin{array}{cccc} -0.5 / 33 & -0.4 / 28 & -1.0 / 26 & -0.4 / 17 \\ -0.9 / 13 & -1.0 / 16 & -0.7 / 20 & -0.4 / 29 \end{array} \quad L_{10}$$

$$\begin{array}{ccc} -1.4 / 33 & -0.5 / 25 & -0.8 / 20 \\ -0.6 / 13 & -1.4 / 15 & 0.0 / 30 \end{array} \quad L_{10}$$

$$\begin{array}{cccc} -0.9 / 33 & -0.1 / 24 & -0.7 / 21 & -0.5 / 12 \\ -1.0 / 16 & -0.3 / 22 & +0.4 / 27 \end{array} \quad L_{10}$$

$$L_{10} \quad \begin{array}{cccc} -0.2 / 36 & -1.0 / 24 & -0.2 / 20 & -0.3 / 12 \\ -0.7 / 16 & +0.5 / 21 & +1.5 / 29 \end{array} \quad L_{10}$$

$$\begin{array}{ccc} -0.5 / 45 & -0.5 / 12 & -0.7 / 16 \\ +1.0 / 33 \end{array}$$

$$\begin{array}{cccc} 0.0 / 33 & -0.4 / 28 & -1.2 / 21 & -0.6 / 17 \\ -0.5 / 13 & -0.8 / 18 & +1.3 / 33 \end{array}$$

$$L_{10} \quad \begin{array}{ccc} 0.0 / 27 & -1.2 / 20 & -0.4 / 17 \\ -0.5 / 13 & -0.9 / 17 & +2.0 / 33 \end{array} \quad L_{10}$$

$$L_{10} \quad \begin{array}{ccc} 0.0 / 29 & -0.7 / 20 & -0.7 / 16 \\ -0.7 / 13 & -1.1 / 10 & +1.1 / 28 \end{array} \quad L_{10}$$

$$\begin{array}{cccc} -0.5 / 33 & -0.4 / 27 & -1.1 / 20 & -0.6 / 17 \\ -0.8 / 12 & -1.4 / 16 & -1.0 / 33 \end{array}$$

$$L_{10} \quad \begin{array}{ccc} -0.5 / 24 & -1.3 / 20 & -0.4 / 17 \\ -0.6 / 13 & -1.3 / 10 & -1.1 / 33 \end{array}$$

3/30/23

+50 28.9

31 31.3

+50 33.5

2.2' higher than 31+00

30 36.3

+77 37.1

0.8' higher than Sta 30+00

29 41.1

28 45.5

27 50.1 ✓

+71 51.5

+71 51.5

1.0 Lower than Int.

+55 52.5 ✓

Int Loop + Hamline

26 52.7 ✓

$$\begin{array}{r} +9.6 \\ \hline 47 \end{array} \quad \begin{array}{r} -0.6 \\ \hline 29 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 15 \end{array} \quad \begin{array}{r} -0.1 \\ \hline 14 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 37 \end{array}$$

$$\begin{array}{r} +19.0 \\ \hline 63 \end{array} \quad \begin{array}{r} -1.0 \\ \hline 25 \end{array} \quad \begin{array}{r} -0.6 \\ \hline 17 \end{array} \quad \begin{array}{r} 0.0 \\ \hline 17 \end{array} \quad \begin{array}{r} -1.3 \\ \hline 27 \end{array} \quad \text{L.O.}$$

$$\begin{array}{r} +22.0 \\ \hline 57 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 23 \end{array} \quad \begin{array}{r} -0.6 \\ \hline 16 \end{array} \quad \begin{array}{r} -0.2 \\ \hline 17 \end{array} \quad \begin{array}{r} -2.3 \\ \hline 22 \end{array} \quad \text{L.O.}$$

$$\begin{array}{r} +20.5 \\ \hline 53 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 23 \end{array} \quad \begin{array}{r} -0.4 \\ \hline 15 \end{array} \quad \begin{array}{r} -1.3 \\ \hline 15 \end{array} \quad \begin{array}{r} -1.7 \\ \hline 21 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 27 \end{array} \quad \begin{array}{r} -0.7 \\ \hline 37 \end{array}$$

$$\begin{array}{r} +20.0 \\ \hline 53 \end{array} \quad \begin{array}{r} -0.7 \\ \hline 23 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 15 \end{array} \quad \begin{array}{r} -1.5 \\ \hline 22 \end{array} \quad \begin{array}{r} +0.5 \\ \hline 31 \end{array} \quad \begin{array}{r} +15.5 \\ \hline 50 \end{array}$$

$$\text{L.O.} \quad \begin{array}{r} +11.0 \\ \hline 45 \end{array} \quad \begin{array}{r} -0.8 \\ \hline 22 \end{array} \quad \begin{array}{r} -0.4 \\ \hline 15 \end{array} \quad \begin{array}{r} -0.3 \\ \hline 13 \end{array} \quad \begin{array}{r} -0.6 \\ \hline 15 \end{array} \quad \begin{array}{r} -1.3 \\ \hline 24 \end{array} \quad \begin{array}{r} +13.2 \\ \hline 42 \end{array}$$

$$\begin{array}{r} +11.0 \\ \hline 36 \end{array} \quad \begin{array}{r} 0.0 \\ \hline 22 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 15 \end{array} \quad \begin{array}{r} -0.3 \\ \hline 14 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 15 \end{array} \quad \begin{array}{r} -1.7 \\ \hline 22 \end{array} \quad \begin{array}{r} -1.0 \\ \hline 24 \end{array} \quad \begin{array}{r} +12.0 \\ \hline 42 \end{array} \quad \text{L.O.}$$

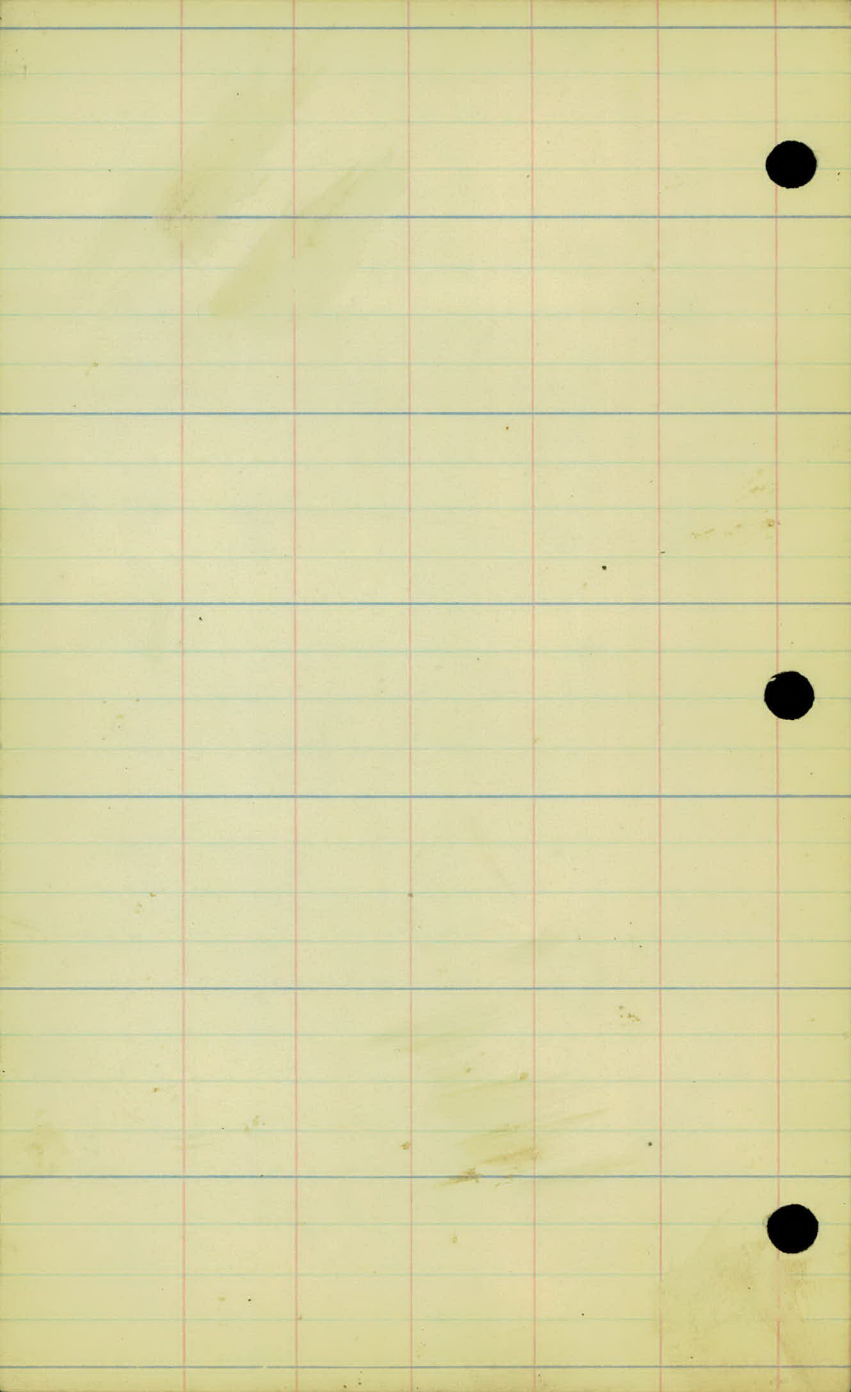
$$\text{L.O.} \quad \begin{array}{r} +3.7 \\ \hline 33 \end{array} \quad \begin{array}{r} -0.9 \\ \hline 25 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 15 \end{array} \quad \begin{array}{r} -0.2 \\ \hline 16 \end{array} \quad \begin{array}{r} -0.4 \\ \hline 15 \end{array} \quad \begin{array}{r} -1.0 \\ \hline 17 \end{array} \quad \begin{array}{r} -0.2 \\ \hline 29 \end{array} \quad \begin{array}{r} +3.9 \\ \hline 33 \end{array} \quad \text{L.O.}$$

$$\text{L.O.} \quad \begin{array}{r} +1.5 \\ \hline 33 \end{array} \quad \begin{array}{r} -0.4 \\ \hline 30 \end{array} \quad \begin{array}{r} -0.3 \\ \hline 24 \end{array} \quad \begin{array}{r} -0.4 \\ \hline 15 \end{array} \quad \begin{array}{r} -1.3 \\ \hline 15 \end{array} \quad \begin{array}{r} -0.6 \\ \hline 24 \end{array} \quad \begin{array}{r} +1.7 \\ \hline 30 \end{array} \quad \begin{array}{r} +1.5 \\ \hline 33 \end{array}$$

$$\text{L.O.} \quad \begin{array}{r} -0.2 \\ \hline 32 \end{array} \quad \begin{array}{r} -0.3 \\ \hline 24 \end{array} \quad \begin{array}{r} -0.4 \\ \hline 15 \end{array} \quad \begin{array}{r} -1.3 \\ \hline 18 \end{array} \quad \begin{array}{r} -0.6 \\ \hline 24 \end{array} \quad \begin{array}{r} +1.7 \\ \hline 30 \end{array} \quad \begin{array}{r} +1.5 \\ \hline 33 \end{array}$$

$$\begin{array}{r} +0.5 \\ \hline 100 \end{array} \quad \begin{array}{r} +0.2 \\ \hline 50 \end{array} \quad \begin{array}{r} +0.0 \\ \hline 50 \end{array} \quad \begin{array}{r} +0.1 \\ \hline 100 \end{array}$$

$$\text{L.O.} \quad \begin{array}{r} -0.2 \\ \hline 20 \end{array} \quad \begin{array}{r} -0.9 \\ \hline 20 \end{array} \quad \begin{array}{r} -0.7 \\ \hline 14 \end{array} \quad \begin{array}{r} -1.1 \\ \hline 17 \end{array} \quad \begin{array}{r} -0.8 \\ \hline 28 \end{array} \quad \begin{array}{r} -0.5 \\ \hline 33 \end{array}$$



$\frac{1}{10}$ $\frac{1}{11}$ $\frac{1}{12}$ $\frac{1}{13}$ $\frac{1}{14}$ $\frac{1}{15}$ $\frac{1}{16}$ $\frac{1}{17}$ $\frac{1}{18}$ $\frac{1}{19}$ $\frac{1}{20}$

$\frac{1}{21}$ $\frac{1}{22}$ $\frac{1}{23}$ $\frac{1}{24}$ $\frac{1}{25}$ $\frac{1}{26}$ $\frac{1}{27}$ $\frac{1}{28}$ $\frac{1}{29}$ $\frac{1}{30}$

$\frac{1}{31}$ $\frac{1}{32}$ $\frac{1}{33}$ $\frac{1}{34}$ $\frac{1}{35}$ $\frac{1}{36}$ $\frac{1}{37}$ $\frac{1}{38}$ $\frac{1}{39}$ $\frac{1}{40}$

$\frac{1}{41}$ $\frac{1}{42}$ $\frac{1}{43}$ $\frac{1}{44}$ $\frac{1}{45}$ $\frac{1}{46}$ $\frac{1}{47}$ $\frac{1}{48}$ $\frac{1}{49}$ $\frac{1}{50}$

$\frac{1}{51}$ $\frac{1}{52}$ $\frac{1}{53}$ $\frac{1}{54}$ $\frac{1}{55}$ $\frac{1}{56}$ $\frac{1}{57}$ $\frac{1}{58}$ $\frac{1}{59}$ $\frac{1}{60}$

$\frac{1}{61}$ $\frac{1}{62}$ $\frac{1}{63}$ $\frac{1}{64}$ $\frac{1}{65}$ $\frac{1}{66}$ $\frac{1}{67}$ $\frac{1}{68}$ $\frac{1}{69}$ $\frac{1}{70}$

$\frac{1}{71}$ $\frac{1}{72}$ $\frac{1}{73}$ $\frac{1}{74}$ $\frac{1}{75}$ $\frac{1}{76}$ $\frac{1}{77}$ $\frac{1}{78}$ $\frac{1}{79}$ $\frac{1}{80}$

$\frac{1}{81}$ $\frac{1}{82}$ $\frac{1}{83}$ $\frac{1}{84}$ $\frac{1}{85}$ $\frac{1}{86}$ $\frac{1}{87}$ $\frac{1}{88}$ $\frac{1}{89}$ $\frac{1}{90}$

$\frac{1}{91}$ $\frac{1}{92}$ $\frac{1}{93}$ $\frac{1}{94}$ $\frac{1}{95}$ $\frac{1}{96}$ $\frac{1}{97}$ $\frac{1}{98}$ $\frac{1}{99}$ $\frac{1}{100}$

3-30-23

Larp Ave

32+00

33

34

35

36

37

38

39

+90

-0.4

±

edge Rd 217.5

+0

←

Road to R

217.9

+30

+0.8

±

edge Rd 218.7

41

$$-\frac{4.0}{10} \quad -\frac{3.5}{33} \quad -\frac{0.7}{20} \quad -\frac{0.6}{15} \quad -\frac{0.2}{10} \quad -\frac{0.3}{12} \quad -\frac{0.3}{30}$$

$$\frac{12.7}{40} \quad -\frac{0.2}{19} \quad -\frac{0.1}{15} \quad =\frac{0.5}{15} \quad \text{Sand Piles}$$

$$\frac{13.0}{40} \quad -\frac{0.2}{16} \quad -\frac{0.1}{12} \quad -\frac{0.0}{10} \quad -\frac{0.5}{14} \quad \text{Sand Piles}$$

$$\frac{10.7}{40} \quad -\frac{0.1}{17} \quad \frac{0.0}{11} \quad -\frac{0.5}{15} \quad -\frac{1.2}{20} \quad \frac{12.2}{36}$$

$$-\frac{10.0}{33} \quad -\frac{12.0}{30} \quad -\frac{12.0}{27} \quad -\frac{0.5}{13} \quad -\frac{0.5}{8} \quad -\frac{0.9}{14} \quad \frac{12.3}{36}$$

$$-\frac{9.5}{33} \quad -\frac{10.8}{31} \quad -\frac{10.8}{22} \quad -\frac{0.6}{12} \quad -\frac{0.5}{10} \quad -\frac{0.5}{13} \quad -\frac{13.5}{30} \quad -\frac{14.0}{33}$$

$$-\frac{9.5}{33} \quad -\frac{9.2}{24} \quad -\frac{0.4}{13} \quad -\frac{0.4}{7} \quad -\frac{1.0}{14} \quad -\frac{9.5}{22} \quad -\frac{10.5}{33}$$

$$-\frac{2.1}{33} \quad -\frac{2.6}{25} \quad -\frac{2.5}{19} \quad -\frac{0.5}{14} \quad -\frac{0.4}{13} \quad -\frac{2.2}{19} \quad -\frac{2.5}{24} \quad \frac{0.0}{27} \quad +\frac{0.3}{33}$$

$$-\frac{0.8}{33} \quad -\frac{0.7}{29} \quad -\frac{2.5}{26} \quad -\frac{2.2}{16} \quad -\frac{0.6}{11} \quad -\frac{0.5}{11} \quad -\frac{0.3}{15} \quad -\frac{1.8}{21} \quad -\frac{1.9}{26} \quad \frac{1.0}{20} \quad \frac{0.7}{34}$$

$$+\frac{3.5}{50} \quad +\frac{5.0}{100} \quad +\frac{8.0}{200}$$

$$-\frac{1.6}{33} \quad -\frac{1.6}{29} \quad -\frac{3.0}{27} \quad -\frac{1.6}{17} \quad -\frac{0.6}{13} \quad -\frac{0.1}{14} \quad -\frac{1.4}{14} \quad -\frac{1.6}{26} \quad +\frac{2.3}{33} \quad +\frac{4.0}{33}$$

$$-\frac{0.5}{33} \quad -\frac{3.0}{26} \quad -\frac{1.0}{16} \quad -\frac{0.6}{14} \quad -\frac{0.3}{13} \quad -\frac{0.5}{15} \quad -\frac{2.1}{16} \quad -\frac{2.5}{21} \quad -\frac{2.5}{26} \quad +\frac{5.0}{33}$$

3-30-23

Larp. Ave

42+00

43

44

45

46

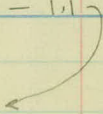
47

+50

-1.1

37.7

48



39.8

49

50

51

52

218.9

+45

+0.1

49.0

edge of Lexington Ave



$\frac{0.5}{33}$	$\frac{-2.5}{31}$	$\frac{-2.0}{25}$	$\frac{-2.1}{22}$	$\frac{-1.6}{17}$	$\frac{-0.7}{15}$	$\frac{-0.7}{13}$	$\frac{-0.6}{13}$	$\frac{-2.2}{19}$	$\frac{-3.0}{27}$	$\frac{+6.0}{25}$
------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{-1.6}{33}$	$\frac{-1.2}{31}$	$\frac{-3.3}{24}$	$\frac{-2.7}{19}$	$\frac{-0.7}{14}$	$\frac{-0.5}{15}$	$\frac{-1.7}{17}$	$\frac{-2.6}{23}$	$\frac{+1.1}{30}$	$\frac{+2.2}{33}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{-5.0}{33}$	$\frac{-6.0}{30}$	$\frac{-5.7}{26}$	$\frac{-0.7}{14}$	$\frac{-0.6}{15}$	$\frac{-1.8}{18}$	$\frac{-2.2}{21}$	$\frac{-2.5}{30}$	$\frac{-0.5}{33}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{-6.0}{33}$	$\frac{-6.5}{23}$	$\frac{-0.7}{13}$	$\frac{-0.4}{15}$	$\frac{-3.4}{20}$	$\frac{-3.5}{32}$	$\frac{-2.5}{34}$	$\frac{-3.0}{37}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{-6.0}{33}$	$\frac{-2.4}{20}$	$\frac{-0.7}{14}$	$\frac{-0.7}{15}$	$\frac{-2.1}{18}$	$\frac{-2.4}{24}$	$\frac{+0.5}{33}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{+1.7}{33}$	$\frac{+1.7}{23}$	$\frac{-1.0}{21}$	$\frac{-1.0}{16}$	$\frac{-0.6}{13}$	$\frac{-0.4}{15}$	$\frac{-1.0}{17}$	$\frac{-1.0}{21}$	$\frac{+0.5}{30}$	$\frac{+5.9}{33}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{+3.7}{33}$	$\frac{+3.0}{26}$	$\frac{-1.0}{24}$	$\frac{-1.0}{18}$	$\frac{-0.6}{15}$	$\frac{-0.7}{14}$	$\frac{-3.0}{19}$	$\frac{-3.0}{33}$	$\frac{-3.0}{20}$	$\frac{+6.5}{52}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{+3.3}{33}$	$\frac{+3.2}{29}$	$\frac{-0.5}{24}$	$\frac{-0.5}{16}$	$\frac{-0.5}{13}$	$\frac{-0.5}{13}$	$\frac{-2.9}{18}$	$\frac{-2.1}{25}$	$\frac{+1.4}{33}$	$\frac{+5.0}{34}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

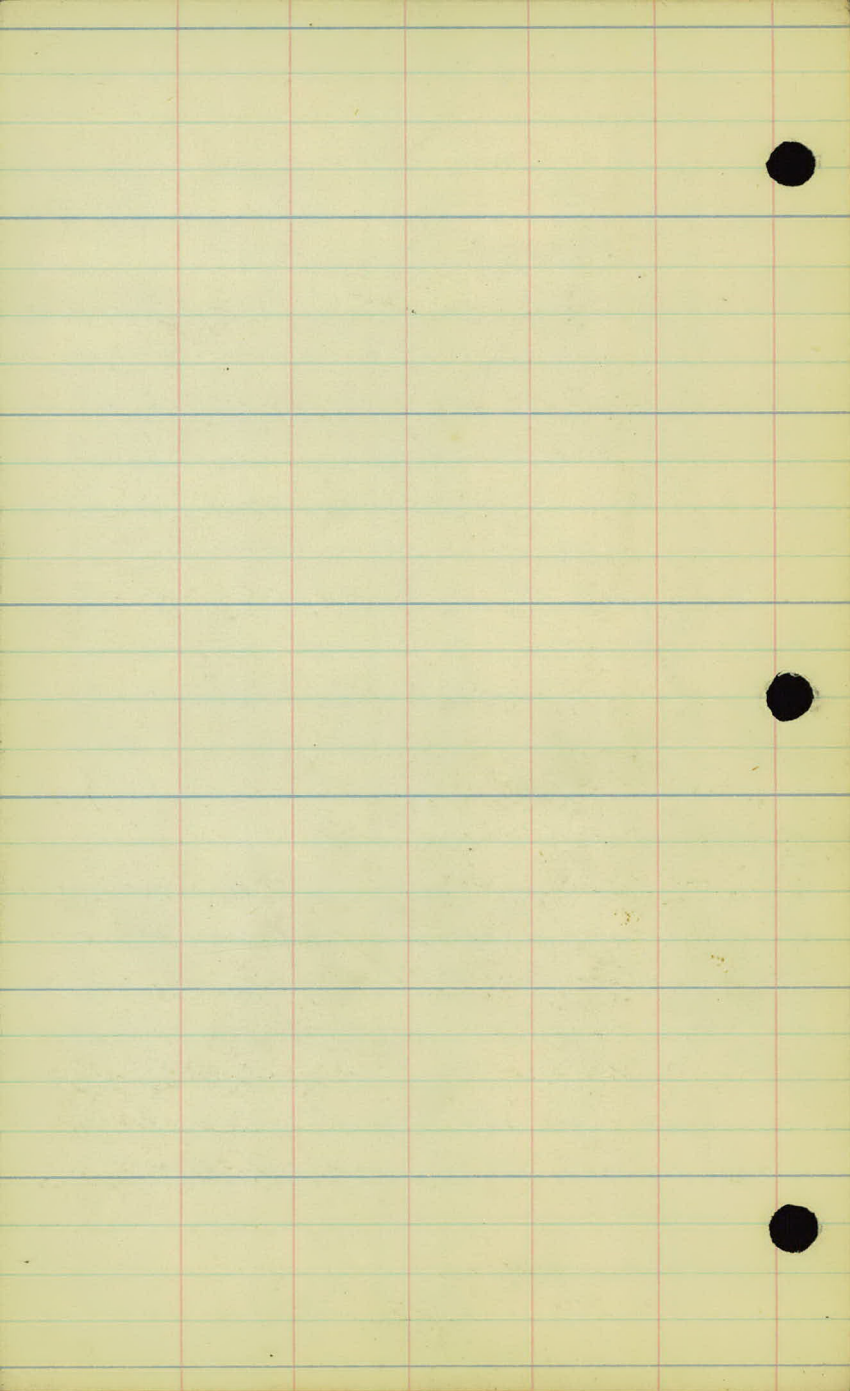
$\frac{-4.5}{33}$	$\frac{-4.1}{30}$	$\frac{-1.6}{15}$	$\frac{-0.6}{13}$	$\frac{-0.7}{16}$	$\frac{-1.2}{18}$	$\frac{-1.6}{23}$	$\frac{+0.5}{20}$	$\frac{-2.3}{23}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{-5.0}{33}$	$\frac{-1.4}{16}$	$\frac{-0.7}{14}$	$\frac{-0.7}{14}$	$\frac{-1.7}{18}$	$\frac{-2.0}{27}$	$\frac{-0.1}{30}$	$\frac{-2.3}{33}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{-0.8}{33}$	$\frac{-1.1}{21}$	$\frac{-0.8}{14}$	$\frac{-0.5}{11}$	$\frac{-0.9}{15}$	$\frac{-1.0}{18}$	$\frac{+0.7}{27}$	$\frac{+0.5}{33}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{+0.6}{33}$	$\frac{+0.3}{22}$	$\frac{-1.3}{18}$	$\frac{-0.4}{13}$	$\frac{-0.8}{13}$	$\frac{-0.5}{15}$	$\frac{-1.7}{18}$	$\frac{-1.9}{24}$	$\frac{-1.2}{25}$	$\frac{-1.0}{33}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

$\frac{+0.5}{33}$	$\frac{+0.5}{26}$	$\frac{-0.3}{21}$	$\frac{-0.4}{20}$	$\frac{-1.0}{15}$	$\frac{-0.6}{15}$	$\frac{-1.3}{21}$	$\frac{-0.5}{27}$	$\frac{-1.0}{33}$
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------





Larp Ave

2-29-23

clw.

52+73¹

E of Lexington Ave

248.3 ?

up

53

54

55

56

57

58

59

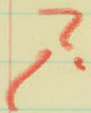
60

61

62

63

L E R



$$\frac{-1.0}{2.00}$$

$$\frac{-0.6}{1.00}$$

x.1

$$\frac{-0.3}{1.00}$$

$$\frac{-0.6}{2.00}$$

$$\frac{-0.1}{30}$$

$$\frac{-0.4}{29}$$

$$\frac{-1.0}{29}$$

$$\frac{-0.2}{10}$$

4.5

$$\frac{-0.4}{10}$$

$$\frac{-0.7}{17}$$

$$\frac{-0.8}{22}$$

$$\frac{-0.7}{30}$$

$$\frac{-1.0}{33}$$

$$\frac{-1.4}{20}$$

$$\frac{-0.8}{16}$$

$$\frac{-0.2}{13}$$

4.6

$$\frac{-0.3}{18}$$

$$\frac{-0.5}{33}$$

$$\frac{-1.8}{33}$$

$$\frac{-1.7}{18}$$

$$\frac{-0.4}{14}$$

5.1

$$\frac{-0.6}{14}$$

$$\frac{-0.9}{17}$$

$$\frac{-1.1}{33}$$

$$\frac{-3.0}{33}$$

$$\frac{-2.8}{26}$$

$$\frac{-0.5}{13}$$

5.9

$$\frac{-0.5}{7}$$

$$\frac{-0.9}{12}$$

$$\frac{-3.1}{14}$$

$$\frac{-3.5}{33}$$

$$\frac{-2.3}{33}$$

$$\frac{-2.1}{21}$$

$$\frac{-0.6}{14}$$

$$\frac{-0.3}{12}$$

7.8

$$\frac{-0.5}{16}$$

$$\frac{-0.7}{33}$$

$$\frac{-2.3}{33}$$

$$\frac{-2.0}{25}$$

$$\frac{-0.7}{16}$$

$$\frac{-0.4}{14}$$

7.6

$$\frac{-0.5}{12}$$

$$\frac{-0.8}{15}$$

$$\frac{-1.8}{25}$$

$$\frac{-1.9}{33}$$

$$\frac{-0.7}{33}$$

$$\frac{-0.5}{16}$$

$$\frac{-0.3}{12}$$

7.0

$$\frac{-0.3}{14}$$

$$\frac{-1.2}{11}$$

$$\frac{-1.7}{33}$$

$$\frac{-0.4}{33}$$

$$\frac{-0.4}{30}$$

$$\frac{-1.0}{25}$$

$$\frac{-0.9}{15}$$

$$\frac{-0.3}{18}$$

5.2

$$\frac{-0.3}{8}$$

$$\frac{-0.8}{13}$$

$$\frac{-0.6}{33}$$

$$\frac{-0.3}{33}$$

$$\frac{-0.3}{30}$$

$$\frac{-0.8}{22}$$

$$\frac{-0.8}{17}$$

$$\frac{-0.2}{9}$$

3.4

$$\frac{-0.2}{9}$$

$$\frac{-1.1}{15}$$

$$\frac{-0.7}{33}$$

$$\frac{-0.9}{33}$$

$$\frac{-0.9}{18}$$

$$\frac{-0.4}{12}$$

2.8

$$\frac{-0.7}{10}$$

$$\frac{-1.1}{13}$$

$$\frac{-1.4}{33}$$

$$\frac{-0.4}{33}$$

$$\frac{-0.6}{27}$$

$$\frac{-0.5}{17}$$

$$\frac{-0.3}{12}$$

0.8

$$\frac{-0.7}{13}$$

$$\frac{-1.1}{18}$$

$$\frac{-1.1}{20}$$

$$\frac{-0.6}{33}$$

Lamp Ave

3-27-73

64

65

48.9

Culv. under Rd - 3.3

Left

- 3.6

Right

66

45.6

45.3

67

68

69

70

71

cont. 7

42.2

1.6 lower

40.7

avg

39.1

than 71

make 40.8

+ 64

72

73

74

75

Center Vict. St. Right

-0.3
60

50

L † R

+0.4/33 -0.4/14 2.2 -0.5/12 -0.7/16 -0.7/24 +0.2/33

-2.0/33 -2.2/30 -3.4/25 -3.3/23 -0.5/14 3.3 -0.5/8 -0.9/12 -2.1/15 -1.9/33

-1.6/150 -1.7/33 -1.5/24 -0.4/14 4.3 -0.6/11 -2.8/16 -3.2/26 -3.8/33

-1.1/33 -1.1/20 -0.3/13 -0.3/10 1.4 -0.5/10 -1.2/15 -0.7/23 -0.7/33

0.0/33 -0.1/16 -0.3/10 2.2 -0.5/11 0.0/15 +0.4/33

+0.9/33 +0.9/23 -0.4/14 -0.2/10 3.4 -0.3/14 +1.5/19 +1.9/33

-0.9/33 -1.0/20 -0.2/16 -0.1/12 4.9 -0.3/12 -0.3/33

Victoria Let
-2.0/200 -1.0/100

-0.6/37 -0.1/10 6.3 -0.7/10 -0.5/33

+0.8/33 +0.2/15 -0.4/16 -0.1/9 7.9 -0.3/10 +0.8/14 +1.1/26 +1.3/33

+2.3/33 +0.7/25 +0.7/18 -0.3/11 -0.1/10 8.9 -0.2/10 +2.3/17 +2.4/33

+2.4/33 +2.8/30 +0.4/25 +0.5/19 -0.5/14 -0.1/10 1.4 +0.2/10 +1.8/18 ?

+1.9/33 -0.6/24 -0.5/10 5.5 -0.5/9 -0.3/13 +1.1/20 +0.8/33

-0.2/00 -1.6/50 -3.0/150 -1.1/33 -0.6/9 6.1 -0.6/11 -1.2/27 -0.1/34

75

Culvert under R d. Drains Right

#57

Slower
than 75

29.6
- 0.5

29.1



76

77

78

79

80

81

Drive Roselawn Cemetery

82

83

84

85

86

Culvert under Rd. Drains Left

10.7
8.1

-2.6
L

$$\begin{array}{cccccccc}
 +1.3 & 0.0 & -0.4 & -0.5 & 8.6 & -0.6 & -1.2 & -1.3 \\
 \frac{33}{33} & \frac{30}{30} & \frac{21}{21} & \frac{12}{12} & & \frac{12}{12} & \frac{30}{30} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 +5.6 & +5.4 & -0.2 & -0.5 & -0.9 & -0.7 & -0.2 & -0.9 & -1.0 & -0.3 & -2.0 \\
 \frac{40}{40} & \frac{23}{23} & \frac{23}{23} & \frac{19}{19} & \frac{18}{18} & \frac{10}{10} & \frac{3}{3} & \frac{12}{12} & \frac{16}{16} & \frac{21}{21} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 +2.9 & +3.7 & 0.0 & -0.4 & -0.2 & -1.0 & -0.5 & -1.8 & -2.2 \\
 \frac{33}{33} & \frac{30}{30} & \frac{23}{23} & \frac{12}{12} & \frac{4}{4} & \frac{11}{11} & \frac{14}{14} & \frac{18}{18} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 +2.3 & +1.8 & -0.4 & -0.7 & -1.1 & -0.7 & -0.3 & -1.0 & -0.9 & -1.6 & -1.3 \\
 \frac{40}{40} & \frac{32}{32} & \frac{25}{25} & \frac{19}{19} & \frac{17}{17} & \frac{14}{14} & \frac{5}{5} & \frac{9}{9} & \frac{15}{15} & \frac{24}{24} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 +1.7 & +1.0 & -0.6 & -0.8 & -0.3 & +0.2 & -0.8 & -1.0 & -0.5 & -2.1 & -2.0 \\
 \frac{33}{33} & \frac{20}{20} & \frac{20}{20} & \frac{15}{15} & \frac{18}{18} & \frac{9}{9} & \frac{8}{8} & \frac{10}{10} & \frac{18}{18} & \frac{18}{18} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 -0.5 & -0.6 & -1.0 & -0.9 & +0.2 & -1.0 & -0.2 & -1.5 & -2.3 \\
 \frac{33}{33} & \frac{24}{24} & \frac{21}{21} & \frac{17}{17} & \frac{3}{3} & \frac{11}{11} & \frac{15}{15} & \frac{18}{18} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccc}
 +0.8 & 0.0 & +0.5 & +0.2 & -0.4 & -1.1 & -1.1 \\
 \frac{60}{60} & \frac{33}{33} & \frac{19}{19} & \frac{5}{5} & \frac{8}{8} & \frac{12}{12} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 +2.3 & +1.7 & -0.5 & -0.2 & 0.0 & +0.2 & -0.6 & -3.3 & -3.8 \\
 \frac{33}{33} & \frac{24}{24} & \frac{24}{24} & \frac{15}{15} & \frac{10}{10} & \frac{4}{4} & \frac{7}{7} & \frac{16}{16} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 -0.5 & -0.6 & -1.0 & -0.2 & -0.5 & -2.4 & -3.2 & -3.8 \\
 \frac{33}{33} & \frac{20}{20} & \frac{18}{18} & \frac{12}{12} & \frac{7}{7} & \frac{10}{10} & \frac{24}{24} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 +0.5 & -0.5 & -1.3 & -1.7 & -1.7 & -0.5 & -0.3 & -0.8 & -0.9 \\
 \frac{33}{33} & \frac{30}{30} & \frac{26}{26} & \frac{25}{25} & \frac{18}{18} & \frac{12}{12} & \frac{8}{8} & \frac{12}{12} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 -0.5 & -2.0 & -2.9 & -2.9 & -1.1 & -1.0 & -0.5 & -0.4 & -0.2 & -0.5 & +0.1 & +0.8 \\
 \frac{33}{33} & \frac{29}{29} & \frac{26}{26} & \frac{24}{24} & \frac{14}{14} & \frac{16}{16} & \frac{9}{9} & \frac{9}{9} & \frac{11}{11} & \frac{14}{14} & \frac{20}{20} & \frac{33}{33}
 \end{array}$$

$$\begin{array}{cccccccccccc}
 -2.3 & -1.7 & -1.0 & -1.4 & -0.5 & -0.3 & -0.5 & -0.7 & -1.1 & -1.1 & -0.9 & -0.8 \\
 \frac{33}{33} & \frac{20}{20} & \frac{18}{18} & \frac{17}{17} & \frac{15}{15} & \frac{11}{11} & \frac{10}{10} & \frac{12}{12} & \frac{14}{14} & \frac{18}{18} & \frac{19}{19} & \frac{25}{25}
 \end{array}$$

Invert -1.9
Latt.

Lamp.

Ave

3-31-23

87

88

89

90

91

92

Road to Right

93

94

95

96

97

98

$$\frac{-0.8}{33-27} \frac{-1.2}{24} \frac{-1.3}{20} \frac{-1.1}{16} \frac{-0.4}{11}$$

$$\frac{-0.2}{9} \frac{-0.8}{13} \frac{-0.9}{17} \frac{-0.5}{21} \frac{-0.4}{33}$$

$$\frac{-0.5}{33-28} \frac{-0.9}{26} \frac{-0.7}{21} \frac{-1.3}{20} \frac{-1.1}{17} \frac{-0.9}{12}$$

$$\frac{-0.3}{9} \frac{-0.6}{16} \frac{-0.2}{22} \frac{+0.5}{21-33}$$

$$\frac{-0.2}{33} \frac{-0.4}{26} \frac{-0.8}{19} \frac{0.7}{14} \frac{-0.4}{9}$$

$$\frac{-0.3}{8} \frac{-0.5}{13} \frac{-0.7}{15} \frac{-0.7}{17} \frac{-0.2}{33}$$

$$\frac{+0.1}{33-21} \frac{-0.4}{17} \frac{-1.2}{19} \frac{-1.1}{15} \frac{-0.6}{12} \frac{-0.5}{8}$$

$$\frac{-0.5}{9} \frac{-0.7}{14} \frac{-1.1}{17} \frac{-0.5}{33}$$

$$\frac{0.0}{33} \frac{-0.2}{30} \frac{-0.6}{20} \frac{-0.8}{19} \frac{-0.8}{15} \frac{-0.4}{11}$$

$$\frac{-0.5}{9} \frac{-1.1}{14} \frac{-0.8}{19} \frac{-0.9}{33}$$

$$\frac{+0.3}{33} \frac{-0.2}{28} \frac{-0.1}{21} \frac{-0.9}{17} \frac{-0.6}{15} \frac{-0.3}{11}$$

$$\frac{-0.5}{9} \frac{-0.7}{13} \frac{-1.0}{18} \frac{-1.0}{33}$$

$$\frac{-1.3}{50} \frac{-3.3}{100} \frac{-4.5}{200}$$

$$\frac{+0.2}{33-25} \frac{-0.4}{23} \frac{-0.7}{18} \frac{-0.6}{14} \frac{-0.5}{10}$$

$$\frac{-0.5}{8} \frac{-1.4}{13} \frac{-1.7}{18} \frac{-1.0}{21} \frac{-1.2}{33}$$

$$\frac{+0.4}{33-26} \frac{-0.1}{22} \frac{-0.9}{19} \frac{-0.5}{13}$$

$$\frac{-0.3}{10} \frac{-0.9}{14} \frac{-1.2}{17} \frac{-0.3}{16} \frac{-0.5}{23}$$

$$\frac{-0.2}{33-25} \frac{-0.6}{17} \frac{-0.6}{14} \frac{-0.3}{9}$$

$$\frac{-0.7}{10} \frac{-1.1}{14} \frac{-1.4}{17} \frac{-1.0}{33}$$

$$\frac{+0.6}{33} \frac{+0.5}{27} \frac{-0.1}{23} \frac{-0.6}{17} \frac{-0.8}{15} \frac{-0.2}{11}$$

$$\frac{-0.5}{8} \frac{-1.1}{14} \frac{-1.4}{17} \frac{-0.9}{18} \frac{-0.8}{21} \frac{-0.3}{33}$$

$$\frac{-0.12}{33} \frac{-0.2}{25} \frac{-0.4}{20} \frac{-0.9}{19} \frac{-0.8}{15} \frac{-0.4}{12}$$

$$\frac{-0.6}{10} \frac{-1.1}{13} \frac{-1.6}{15} \frac{-1.3}{17} \frac{-1.2}{33}$$

$$\frac{-0.3}{33} \frac{-0.7}{23} \frac{-0.9}{23} \frac{-0.3}{17} \frac{-0.1}{12}$$

$$\frac{-0.3}{8} \frac{-1.2}{13} \frac{-1.3}{17} \frac{-1.0}{13} \frac{-0.5}{33}$$

3-30-23

Larp. Ave

99

100

101

102

103

104

✓✓ 25.4

+90

✓✓ 26.3

ew. ?

105

✓✓ 6.4

+41.8

Dale st. 26.✓

L E R.

$$\frac{-0.5}{33} \quad \frac{-0.3}{26} \quad \frac{-0.1}{25} \quad \frac{-0.6}{17} \quad \frac{-0.4}{12}$$

$$\frac{-0.4}{9} \quad \frac{-0.9}{13} \quad \frac{-1.3}{20} \quad \frac{-0.8}{21} \quad \frac{-0.2}{33}$$

$$\frac{-0.9}{33} \quad \frac{-1.0}{24} \quad \frac{-0.9}{17} \quad \frac{-0.5}{14} \quad \frac{-0.4}{10}$$

$$\frac{-0.5}{11} \quad \frac{-1.0}{15} \quad \frac{-1.5}{20} \quad \frac{-0.8}{24} \quad \frac{-0.9}{33}$$

$$\frac{-0.7}{33} \quad \frac{-0.9}{26} \quad \frac{-1.2}{25} \quad \frac{-1.0}{17} \quad \frac{-0.5}{11}$$

$$\frac{-0.6}{11} \quad \frac{-0.8}{15} \quad \frac{-0.9}{16} \quad \frac{-1.0}{18} \quad \frac{-0.5}{21} \quad \frac{-0.3}{33}$$

$$\frac{-0.4}{33} \quad \frac{-0.4}{21} \quad \frac{-1.1}{26} \quad \frac{-1.1}{18} \quad \frac{-0.7}{14} \quad \frac{-0.4}{9}$$

$$\frac{-0.6}{8} \quad \frac{-0.8}{13} \quad \frac{-1.3}{16} \quad \frac{-1.4}{20} \quad \frac{-0.8}{22} \quad \frac{-0.9}{33}$$

$$\frac{-1.5}{33} \quad \frac{-1.3}{26} \quad \frac{-0.9}{20} \quad \frac{-0.7}{15} \quad \frac{-0.5}{10}$$

$$\frac{-0.5}{11} \quad \frac{-1.3}{16} \quad \frac{-1.4}{21} \quad \frac{-1.5}{25} \quad \frac{-1.3}{23}$$

$$\frac{-1.5}{33} \quad \frac{-1.0}{23} \quad \frac{-0.8}{15} \quad \frac{-0.5}{11}$$

$$\frac{-0.5}{11} \quad \frac{-1.1}{15} \quad \frac{-1.4}{19} \quad \frac{-0.9}{21} \quad \frac{-0.8}{33}$$

$$\frac{-0.6}{33} \quad \frac{-0.5}{29} \quad \frac{-0.5}{20} \quad \frac{-0.3}{15} \quad \frac{+0.1}{7}$$

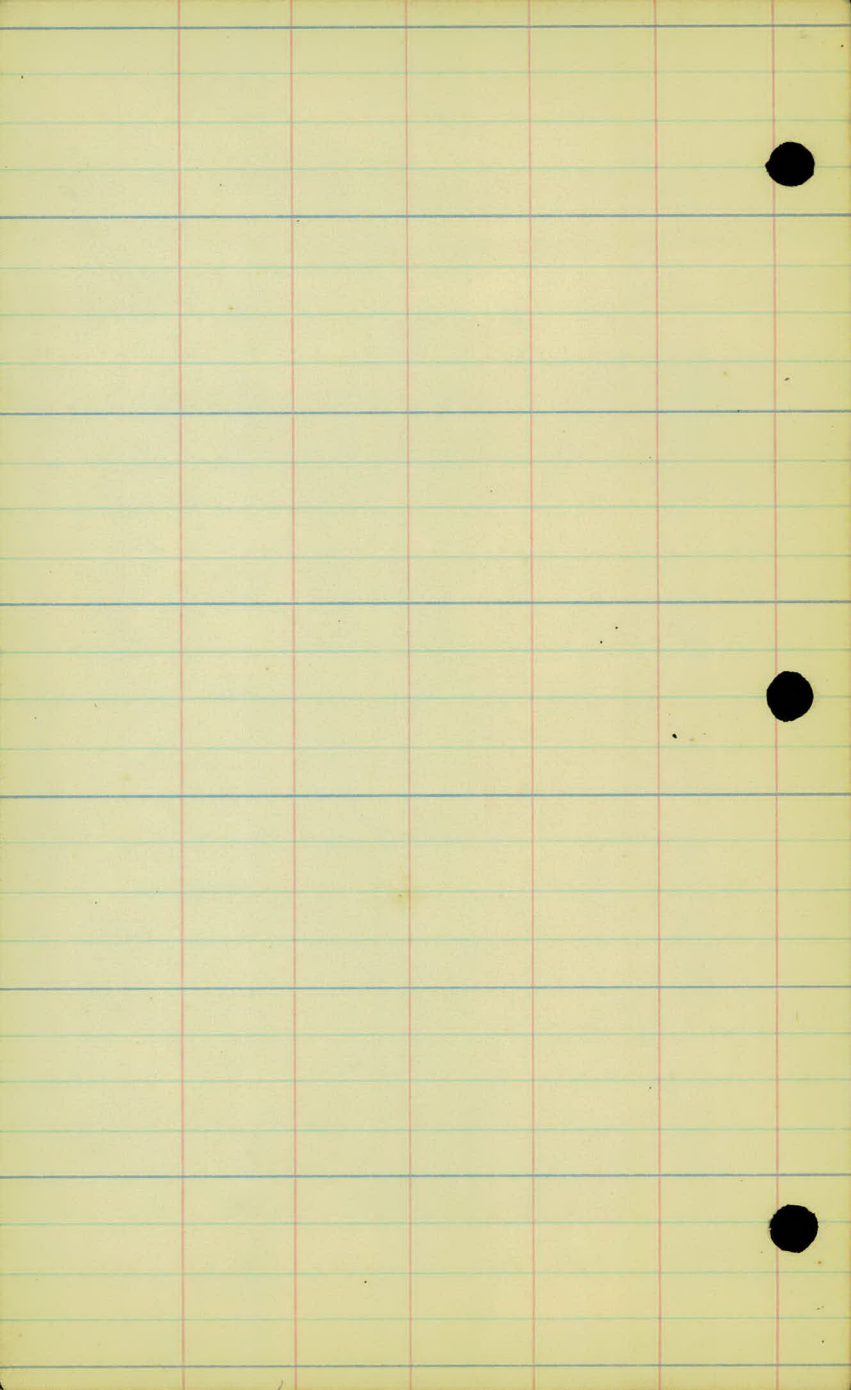
$$\frac{-0.5}{11} \quad \frac{-1.0}{14} \quad \frac{-1.2}{19} \quad \frac{-0.4}{33}$$

$$\frac{-0.6}{25} \quad \frac{-0.3}{13}$$

$$\frac{-0.6}{10} \quad \frac{-0.9}{13} \quad \frac{-1.0}{15} \quad \frac{0.0}{17} \quad \frac{+0.3}{33}$$

$$\frac{-1.0}{200} \quad \frac{0.0}{50}$$

$$\frac{+0.4}{50} \quad \frac{+0.4}{100} \quad \frac{+0.4}{200}$$



Check Levels

Larponteur Ave (Cty Rd A)
from Dale St. to Snelling Ave.

3/3 /23

Tierney } -
Persons }

B.M 4.62 231.07 226.45

6.19 234.38 2.27 228.20

B.M 1.96 229.32 7.03 227.36

8.46 232.75 5.03 224.29

B.M 10.47 239.80 3.42 229.33

11.32 250.77 0.35 239.45

6.36 256.17 0.96 249.81

B.M 4 4.90 251.27

6.32 253.10 9.39 246.78

B.M 3.39 249.71

1.77 244.23 10.64 242.46

0.67 232.95 11.95 232.28

1.87 223.70 11.12 221.83

B.M ~~4.23~~ 232.43 2.50 221.20

~~12.76 245.62 8.17 234.26~~

~~10.24 255.18 0.08 244.94~~

~~2.02 253.16~~

60.01

226.45
221.20
5.25

65.26
60.01
5.25

JPJ

Nail in 12" Oak

Sp. in T.P L 88+70

Sp. in El. Light Pole L 75+45

Sp. in T.P L 63+00

Nail in T.P N.W. Cor. Int. Lex. + Larp

Nail in T.P L 32+85

Nail in 15" Oak R 24+45

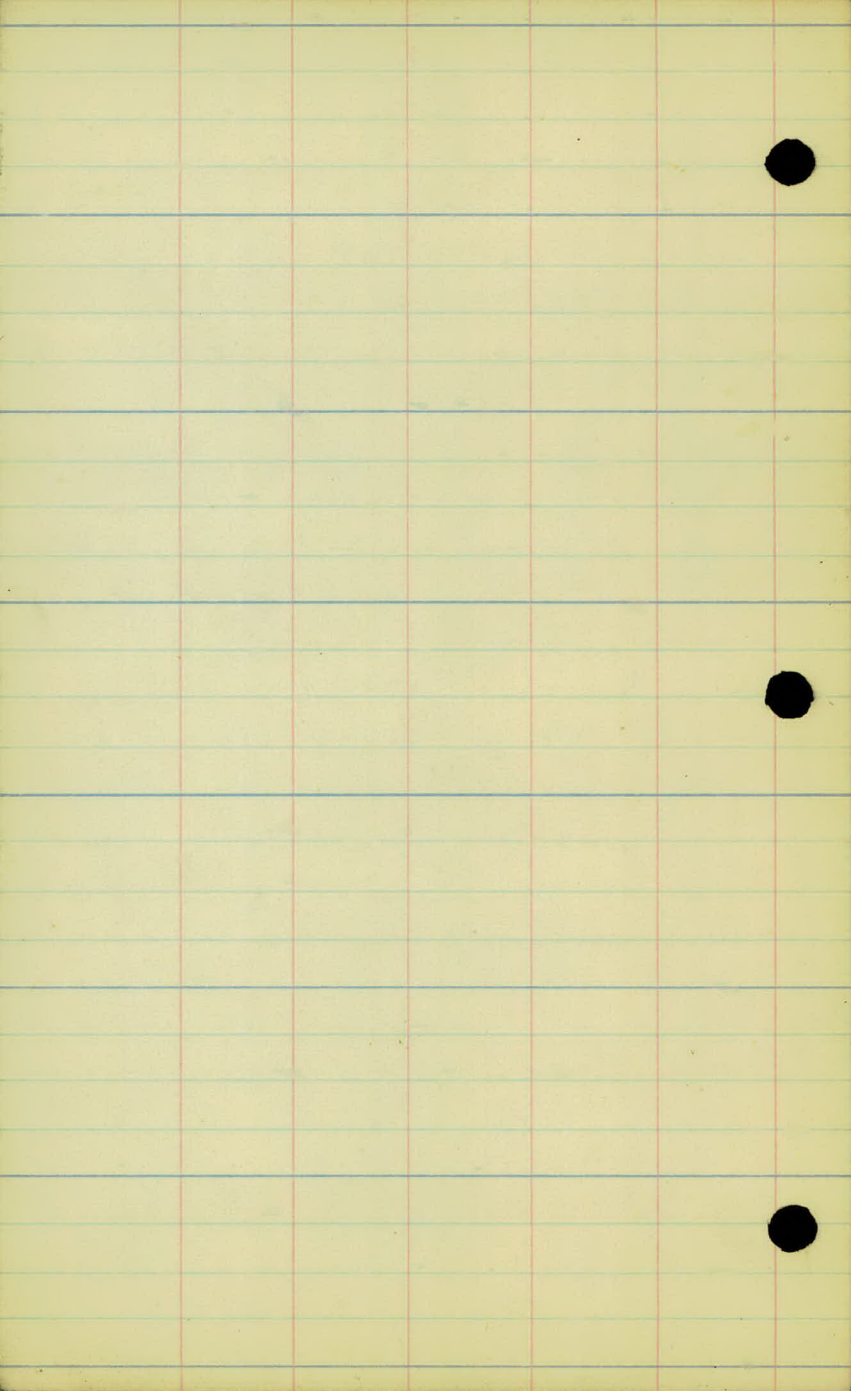
B.M	2.02	254.65		252.63
	0.45	243.25	11.85	242.80
	0.17	232.89	11.03	232.22
B.M			11.73	221.16

Note:- Checking back, found error of over 10' between B.M at sta 24+45 + B.M at 32+85. Then checked from original, elev at 24+45 (as determined running \pm) + checked to 1.02' on B.M. at L 32+85. \therefore levels O.K from end of line to sta. 24+45.

Nail in 15" Oak R24+45

44

Nail in T.P. L 22+85



CHECK LEVELS

Larpentour Ave.
Smelling Ave to Dale str.

M. W. Carley

4/3/23

Check Levels Larpenneur Ave. Smelling to Dale

Sta	+	Hi.L.	-	Elev	B.M.
B.M.	2.10	265.93			263.83
T.P.	5.63	263.71	7.85	258.08	
B.M.	2.43	261.61	4.53	259.18	59.15
T.P.	4.25	257.97	8.39	253.22	
B.M.	4.81	257.52	4.76	252.71	52.63
T.P.	0.73	246.02	12.23	245.29	
T.P.	1.17	235.37	11.82	234.20	
T.P.	0.00	224.45	10.92	224.45	
B.M.			3.17	221.28	221.18
T.P.	4.93	217.27	12.11	212.34	
T.P.	12.28	228.48	1.07	216.20	
T.P.	9.46	237.56	0.38	228.10	
T.P.	12.13	249.56	0.13	237.43	
B.M.	2.00	251.61	+0.15	249.61	249.71
T.P.	2.23	253.82	0.02	251.59	
T.P.	0.93	243.45	11.30	242.52	
T.P.	0.71	233.48	10.68	232.77	
B.M.			4.13	229.35	229.33
T.P.	3.74	227.71	9.48	224.00	
B.M.	6.11	233.25	0.60	227.14	227.35
T.P.	2.50	230.31	5.44	227.81	
B.M.			4.00	224.31	226.45
			115.86		
	115.86	263.83			
	78.14	226.31			
	<u>37.52</u>	<u>37.52</u>			

Carley-level
Persons-Rodi

Top of monument corner of Larpe Snelling

Nail in oak 1A+25

Nail in oak tree R of stg 24+15

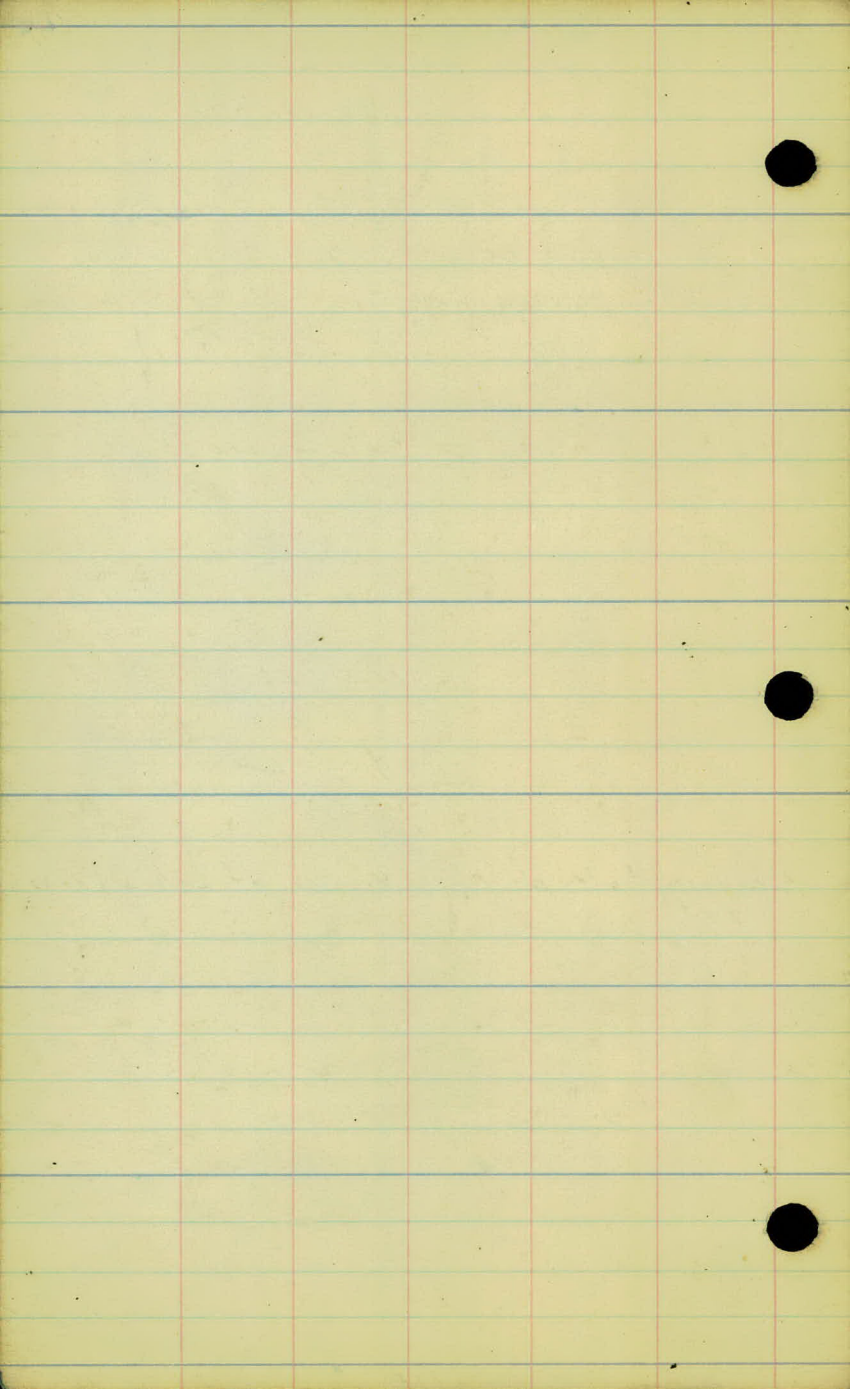
Nail in tele pole 32+25

Nail in tele pole N.W. cor of Lex + Larpe

R.R. spike in tele pole L 75+45

88+

Nail in 12" oak.



Larp. Ave.

Station

0+33 Need 35' Culvert under Road

26+61.5 Need 15" Culv. under Hamline Ave

56+00 Need 15" Culv. " Larp. " 35'

65+82 29' of 15" vit. pipe with Concrete
Headwalls under Rd. Need 18"

75+30 73' of 15" vit. pipe with Concrete
Headwalls under Road Need 18"

86+11 32' of 8" Corr. Iron pipe under Rd.
Need 15"

104+90 a Low on left side of Road
at Corner Dale st. Impossible to
drain unless long ditch to north
on Dale st. abt 600' or 15" Culvert
under Larp. Ave. and ditch 500' to south.

Drains Right

Flows East 40'

40' Hamline Ave

Drains Right

Longfellow Ave

elev. 244.05 drains Right

elev. 228.05 drains Right

elev. 221.0 drains Left

File 4

$$\begin{array}{r} 52 \\ 22 \\ \hline 30.03 \\ 282.58 \\ \hline 334.6 \end{array}$$

$$\begin{array}{r} 105 \\ 71 \\ \hline 34 \end{array}$$

$$\begin{array}{r} 2829.17 \\ 2258.54 \\ \hline 5087.71 \\ \hline 2653 \end{array}$$

112955