

D-8 - Bk 124

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

..... Drainage Survey

..... HAMLINE AVE

From Larpenteur To 500' So.

Road Acc't. No.

Date Filed 1937

File

Dr. 8 Blk 124

1

Drainage Survey

of
Karp Ave. & Hamling

500' W. of Hamling to Hamling Ave.
and

Hamling Ave. S. of Karp Ave.

X Sections

10/5/37

J. A.

Sta	+	π	-	Elev
B.M.	5.07	950.41	.	945.34

126

127

128

129

130

131

+56

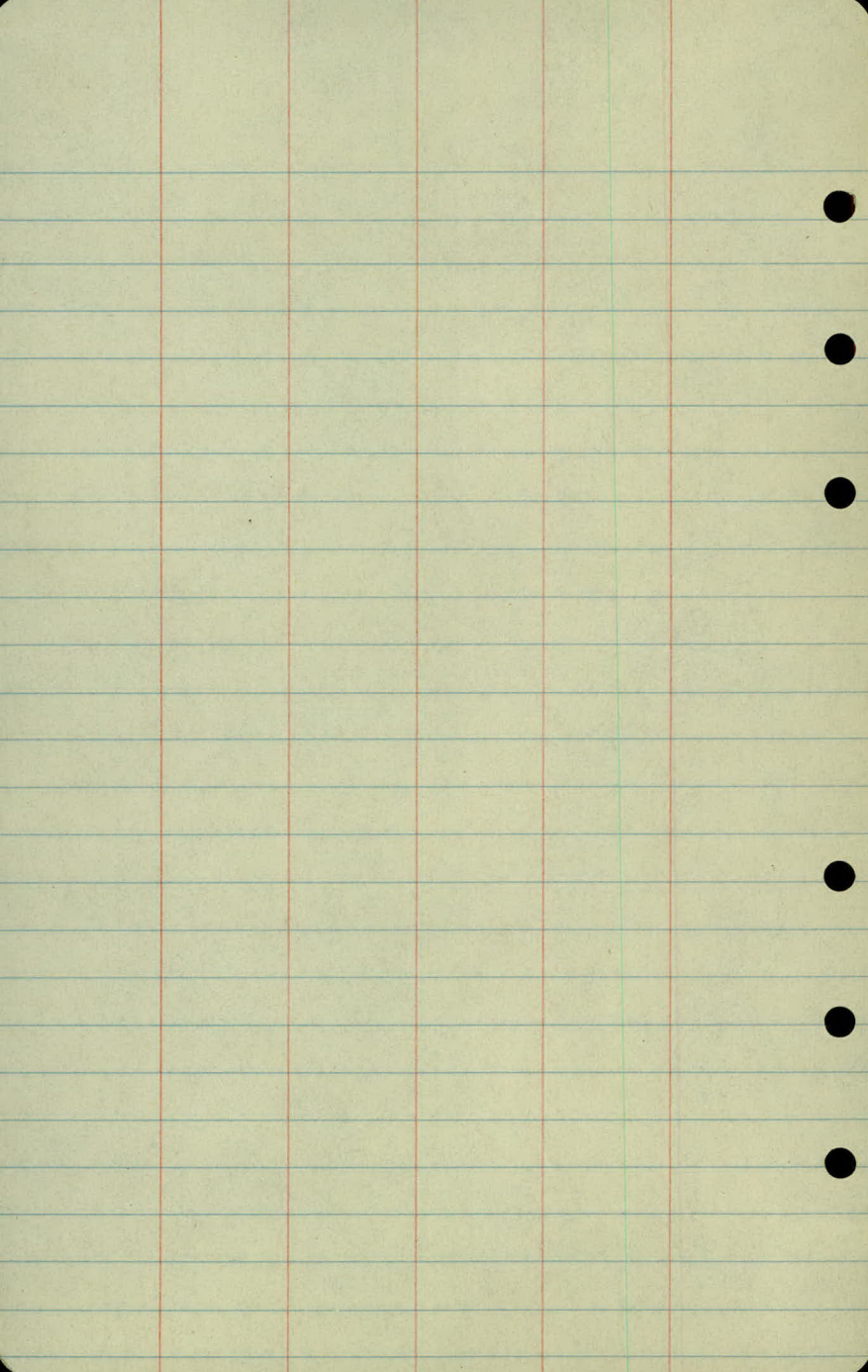
+65

+99.80 = ϕ of Hamline Ave.

Lt. ♀ Rt.

Top Mont. Int. Larp. Ave + Hamline Ave

46.8	46.4	45.1	44.9	46.4
$\frac{36}{10}$	$\frac{40}{23}$	$\frac{53}{26}$	$\frac{55}{47}$	$\frac{40}{50}$
46.6	46.1	44.6	44.5	45.1
$\frac{38}{10}$	$\frac{43}{23}$	$\frac{58}{26}$	$\frac{59}{47}$	$\frac{53}{50}$
46.3	45.9	44.5	44.5	45.1
$\frac{41}{10}$	$\frac{45}{23}$	$\frac{52}{26}$	$\frac{59}{46}$	$\frac{53}{50}$
46.1	45.7	44.4	44.3	45.6
$\frac{43}{10}$	$\frac{47}{24}$	$\frac{60}{27}$	$\frac{61}{49}$	$\frac{48}{50}$
45.8	45.2	43.8	43.9	44.7
$\frac{46}{10}$	$\frac{52}{23}$	$\frac{66}{26}$	$\frac{65}{47}$	$\frac{57}{50}$
45.5	45.0	43.6	43.6	44.4
$\frac{49}{10}$	$\frac{54}{23}$	$\frac{68}{26}$	$\frac{68}{46}$	$\frac{60}{50}$
45.4	44.8	43.5	43.6	45.0
$\frac{50}{10}$	$\frac{56}{29}$	$\frac{69}{33}$	$\frac{68}{46}$	$\frac{54}{51}$
45.4	45.1	44.7	44.4	
$\frac{50}{10}$	$\frac{53}{28}$	$\frac{57}{33}$	$\frac{60}{52}$	
45.2	45.2			
$\frac{52}{10}$	$\frac{52}{30.0}$			



Align and Topog.
Hamilton Ave.
Warp. Ave So.

6

5

4

3

2

1

0+0

15 +93 Hyd. 23' 4

+40 P.R. 22'
+35 18" Maple 33'

+20 18" Maple 33'

17

+87-24" Maple 33'

16

+20-36 Maple 33'

+85 24" Maple 32'

17

+09 24" Maple 32'

+96 24" Maple 32'

17

+18 24" Maple 32'

+96-24" Maple 32'

+83-24" Maple 31'

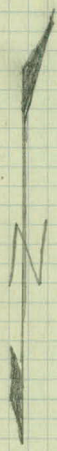
17

+85 End Row 24" Maples 33'

17

8" Trunks

+55 Beg Row 24" Maples 31'
+45 Hyd. 23'



40
6 42

Warpentuck Ave

7

8

7

18

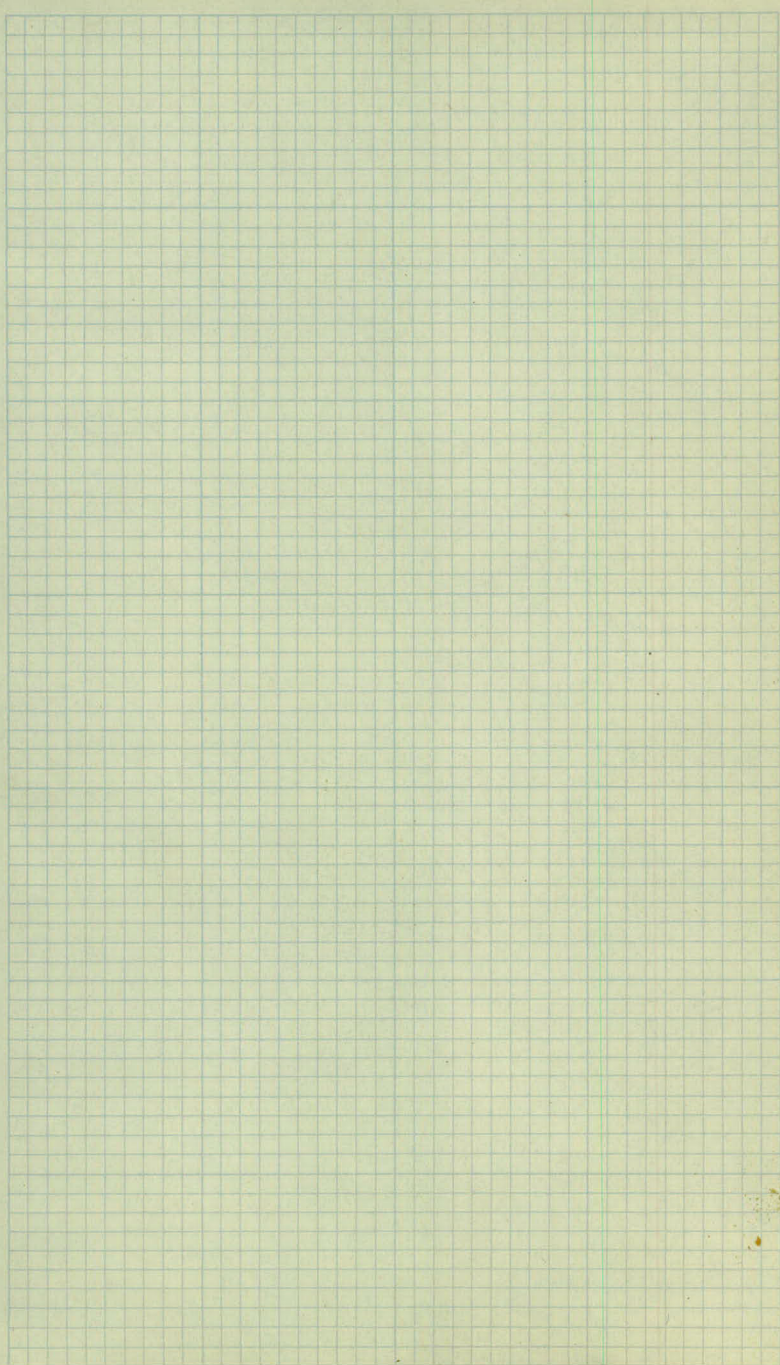
+ 75-24" Maple 33'

+ 50-24" Maple 33'

19

10

10



6

X Sections

Hamling Ave.

Larp Ave So.

Sta	+	π	-	Elev
B.M	4.82	950.16		945.34

0	+2.3			45.2
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	+26			45.3
--	-----	--	--	------

	+46			45.2
--	-----	--	--	------

	+50			45.3
--	-----	--	--	------

1				45.4
---	--	--	--	------

	+50			45.6
--	-----	--	--	------

2				45.9
---	--	--	--	------

	+50			45.4
--	-----	--	--	------

3				45.0
---	--	--	--	------

	+50			44.3
--	-----	--	--	------

I.P	3.72	✓ 947.17	6.71	943.45
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4				43.5
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Lt. $\frac{1}{2}$ Rt.

Top Mont. int. harp. & Hamline Ave.

$$\frac{50}{\quad} \qquad \frac{51}{50}$$

x 33

$$\frac{49}{\quad} \quad \frac{51}{33} \quad \frac{48}{50}$$

$$\frac{50}{\quad} \quad \frac{51}{16} \quad \frac{45}{50} \quad \frac{63}{36}$$

$$\frac{49}{\quad} \quad \frac{51}{16} \quad \frac{56}{24} \quad \frac{56}{33}$$

$$\frac{48}{\quad} \quad \frac{51}{17} \quad \frac{41}{23} \quad \frac{48}{28} \quad \frac{53}{33}$$

$$\frac{46}{\quad} \quad \frac{49}{17} \quad \frac{60}{21} \quad \frac{60}{25} \quad \frac{48}{27} \quad \frac{40}{33}$$

$$\frac{48}{\quad} \quad \frac{41}{5} \quad \frac{46}{16} \quad \frac{57}{21} \quad \frac{57}{24} \quad \frac{47}{27} \quad \frac{37}{33}$$

$$\frac{48}{\quad} \quad \frac{46}{6} \quad \frac{49}{17} \quad \frac{57}{19} \quad \frac{61}{22} \quad \frac{61}{25} \quad \frac{45}{27} \quad \frac{21}{33}$$

$$\frac{52}{\quad} \quad \frac{58}{5} \quad \frac{55}{16} \quad \frac{57}{19} \quad \frac{66}{22} \quad \frac{66}{24} \quad \frac{50}{27} \quad \frac{47}{33}$$

$$\frac{59}{\quad} \quad \frac{58}{5} \quad \frac{61}{17} \quad \frac{62}{33}$$

$$\frac{51}{\quad} \quad \frac{35}{5} \quad \frac{38}{17} \quad \frac{39}{19} \quad \frac{47}{22} \quad \frac{47}{25} \quad \frac{32}{27} \quad \frac{29}{33}$$

Sta	+	π	-	Elev
		947.17		
4	+50			43.1
5				42.4
	+50			41.6
6				40.4
	+50			39.6
T.P.	2.31	940.74	8.79	938.73
7				
	+50			37.4
8				36.6
	+50			36.3
9				36.2

38.4?

L₁L₂R₁

$$\frac{41}{50} \quad \frac{41}{50} \quad \frac{42}{15} \quad \frac{43}{19} \quad \frac{51}{22} \quad \frac{51}{26} \quad \frac{39}{29} \quad \frac{38}{33}$$

$$\frac{48}{6} \quad \frac{47}{6} \quad \frac{51}{16} \quad \frac{54}{20} \quad \frac{59}{22} \quad \frac{58}{26} \quad \frac{44}{29} \quad \frac{36}{33}$$

$$\frac{36}{6} \quad \frac{36}{6} \quad \frac{60}{16} \quad \frac{41}{19} \quad \frac{68}{22} \quad \frac{68}{25} \quad \frac{50}{29} \quad \frac{46}{33}$$

$$\frac{68}{9} \quad \frac{61}{9} \quad \frac{71}{17} \quad \frac{72}{20} \quad \frac{77}{23} \quad \frac{77}{25} \quad \frac{59}{29} \quad \frac{53}{33}$$

$$\frac{76}{130} \quad \frac{78}{130} \quad \frac{79}{33}$$

$$\frac{22}{6} \quad \frac{25}{19} \quad \frac{27}{18} \quad \frac{27}{20} \quad \frac{38}{25} \quad \frac{14}{29} \quad \frac{14}{33}$$

$$\frac{33}{7} \quad \frac{33}{7} \quad \frac{37}{16} \quad \frac{55}{18} \quad \frac{43}{20} \quad \frac{49}{28} \quad \frac{24}{33}$$

$$\frac{41}{5} \quad \frac{43}{5} \quad \frac{46}{14} \quad \frac{51}{20} \quad \frac{50}{27} \quad \frac{41}{33}$$

$$\frac{44}{5} \quad \frac{44}{5} \quad \frac{49}{14} \quad \frac{55}{24} \quad \frac{46}{33}$$

$$\frac{100}{80} \quad \frac{83}{30} \quad \frac{75}{40} \quad \frac{59}{33} \quad \frac{50}{14} \quad \frac{46}{7} \quad \frac{45}{3} \quad \frac{46}{13} \quad \frac{57}{24} \quad \frac{54}{35}$$

Pot hole.

