

Bk. 105 Dr. 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Drainage.....Survey

Division St......

From Stillwater St...... To Park Ave......

Road Acc't. No. 91.....

Date Filed 3-23-44..... File.....

Align

~~A Line~~

* Division Str
at Soo Line
Drainage Survey

Align	1 to 5	HAW
Topog.	6 to 7	AM
Levels	8 to 13	L.G.

Sta

PI

ΔL

ΔR

9+80.50

9+50

2+60

P.O.T.

= 0+00 B.L. $90^{\circ}00'$

0+00

E. Stillwater

2 Park

20' Pave



40'

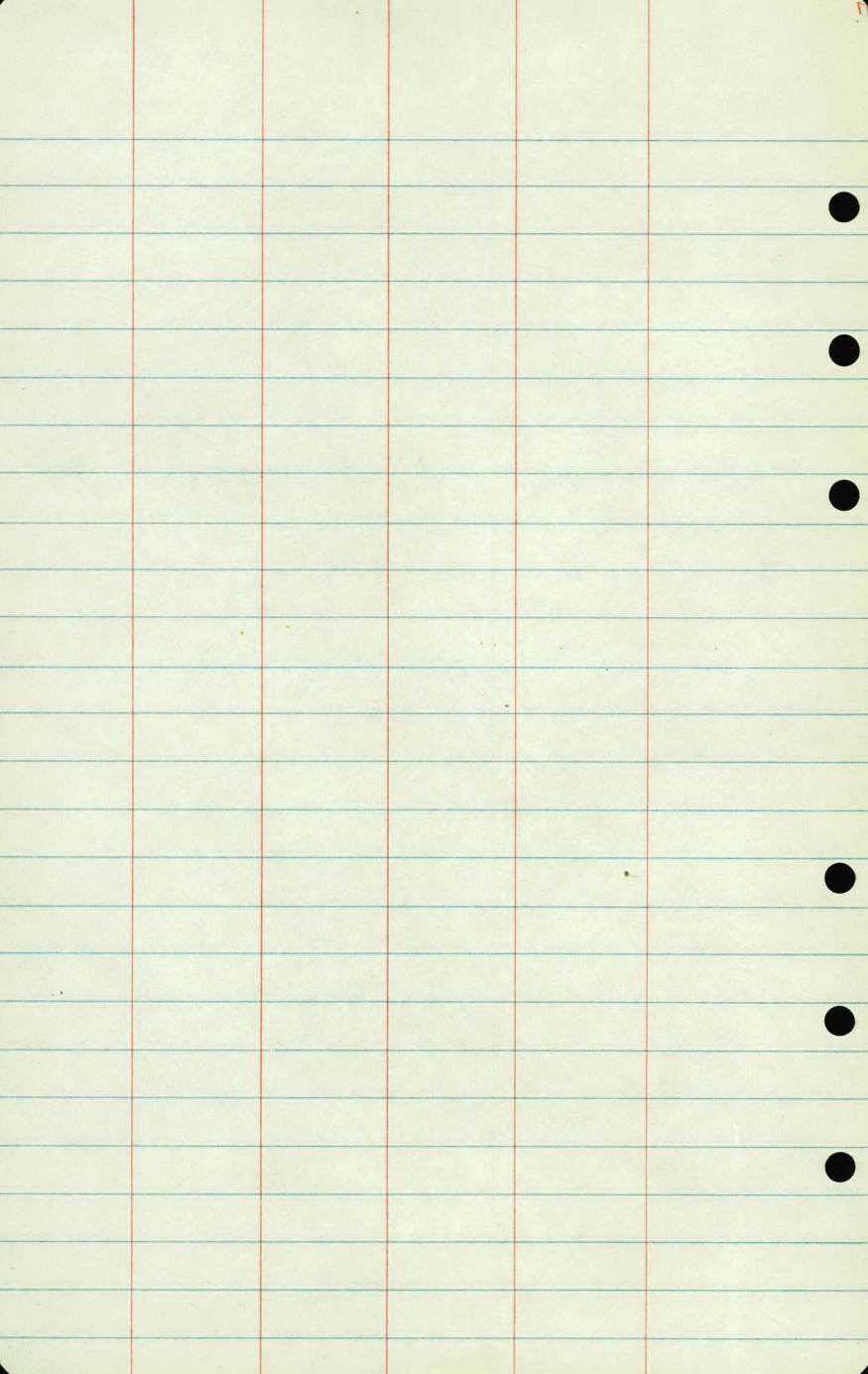
40'



Proposed
X Drain

As Ect From
K. A. Survey
of Stillwater St

Pin



Align
"B" Line

From $\frac{1}{2}$ Division So East To So Line
R.O.W Thence Parallel To
R.R. Ditch Line

Sfa Pt ΔLH ΔRI

1+90.60 P.1 39°44'

0+20.65 P.1 35°27'

0+00 = P.O.T. 90°00'
2+60 A L.H.R

Description

Sta

Pt

ΔL

ΔR

7+34

P.I

3+44.27

P.I

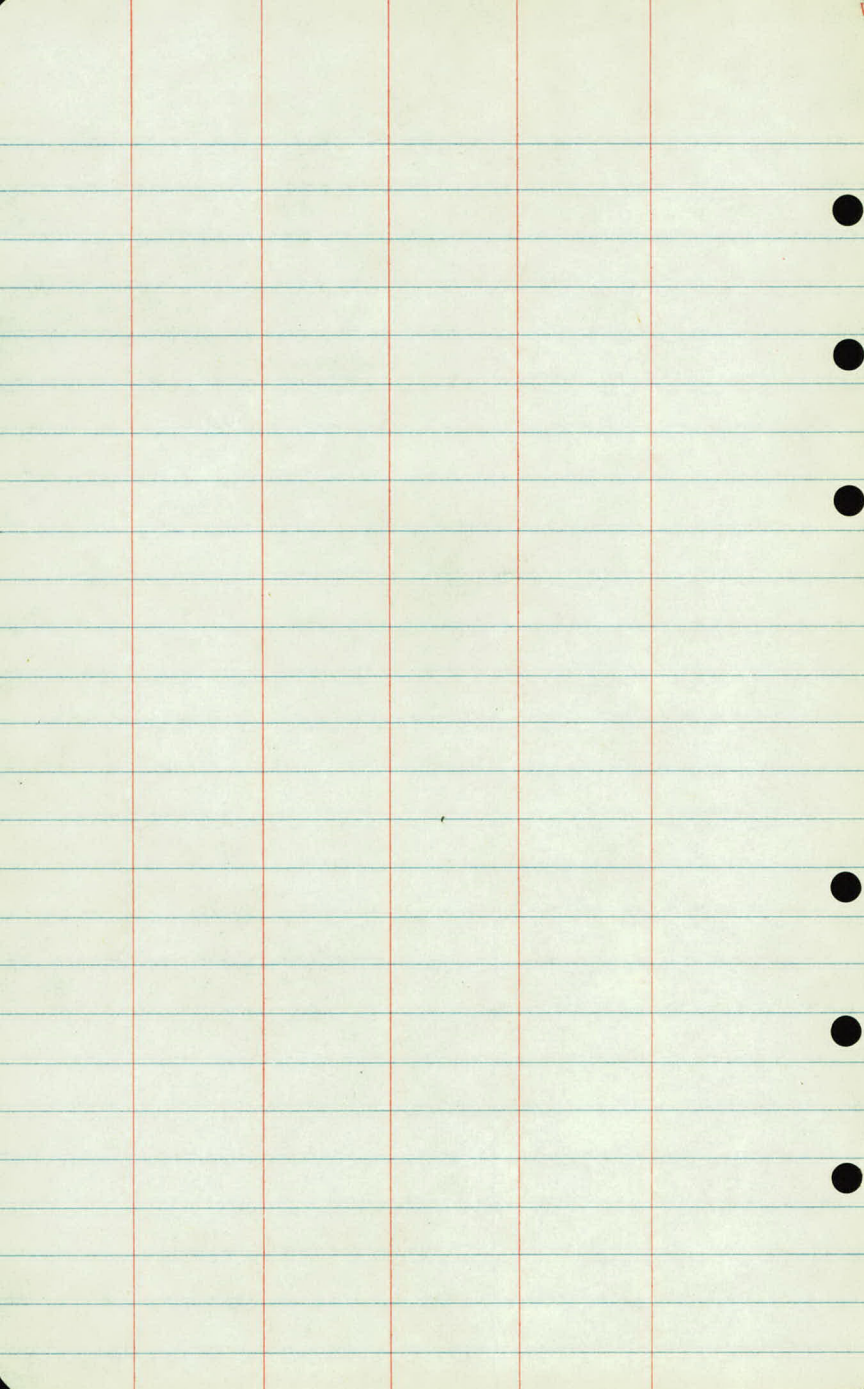
$98^{\circ}33'$

Description

35.45

R.R. Ditch 35.45 From
* Track

500 Line R.R.



Topography

Division Str.

Location of Potholes

Rd Rd

6

5

8' 11'

4

8' 12'

3

7' 12'

+60 Proposed Location
X Drain

Place Est Length 36'

2

7' 11'

+50

8' 10'

1

End Pothole 19'-23'

Pothole 16'-24'

Pothole 15'-27'

+36 Ent 15" x 20' CM 20'

Pothole 19'-27'

+85 Bag Pothole 18'-25'

+20 Pothole

+80 Ent
+50 End Pothole 20'-33'

Pothole 50' } 125'
+80 Bag Pothole 20'-33'
+55 Pothole 125'-16'

+81 End Pothole 22'-37'
+60 Pothole 35'

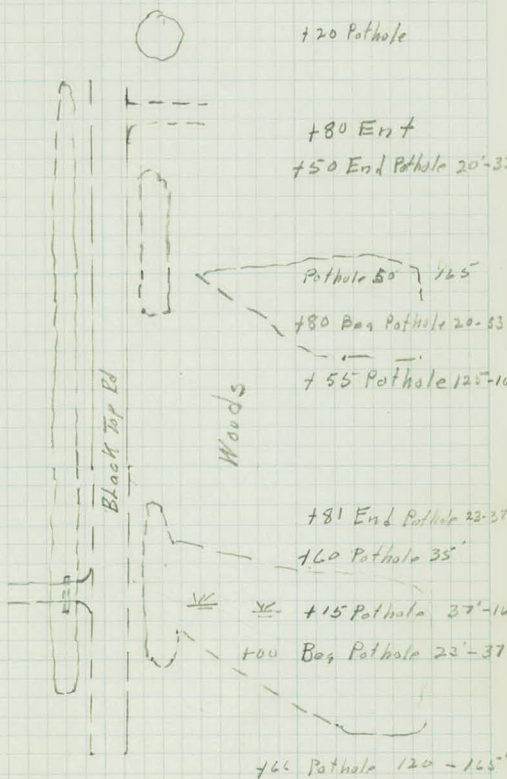
+15 Pothole 37'-16'
+00 Bag Pothole 23'-37'

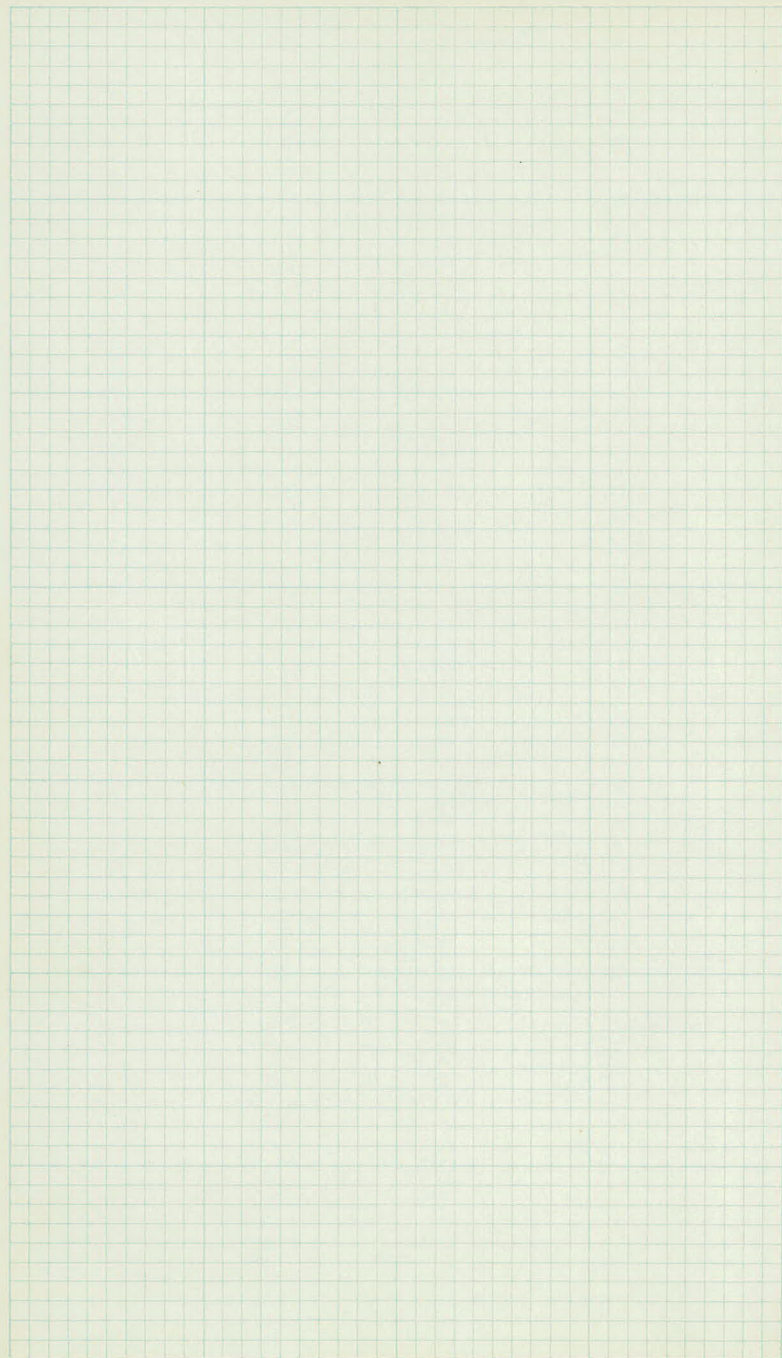
+66 Pothole 120'-165'

Woods

Black Top Rd

Woods





Elev Potholes
Along Division Str

Sta	+	π	-	Elev
B.M.	3.95	933.37		929.42

2+00				25.5
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+50				24.8
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+60				25.2
-----	--	--	--	------

3				25.3
---	--	--	--	------

+50				25.3
-----	--	--	--	------

4				25.1
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+50				25.1
-----	--	--	--	------

5				25.4
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+20				
-----	--	--	--	--

Lt.

±

R+

SpK in T.P. 100' Lt 0 + 15'

7.9

8.6

8.2

8.1

8.1

Low spot
in Pothole

8.3

25.1

8.3

9.7
EL 23.7

8.3

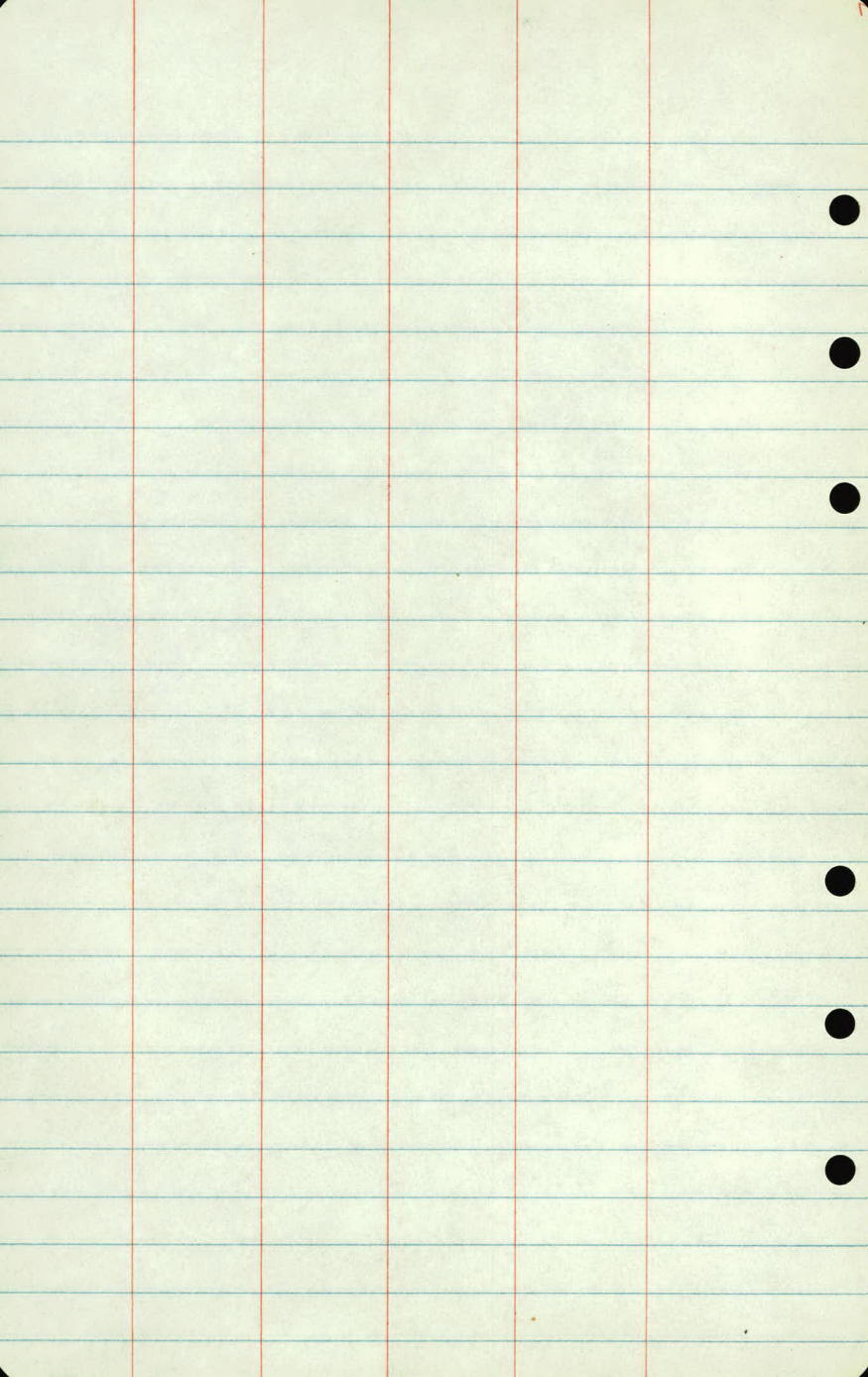
25.0

8.4

8.0

24.7

8.7



Prof. Le

"B" Line

Sta	+	π	-	Elev
395	395	933.37		929.42
0-16				25.2

0 +00		π Division str		28.2
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+15				27.7
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+20				25.2
-----	--	--	--	------

+50				24.4
-----	--	--	--	------

+75				24.1
-----	--	--	--	------

1				24.4
---	--	--	--	------

+50				24.4
-----	--	--	--	------

T.P	3.52	930.08	681	926.56
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+90				25.2
-----	--	--	--	------

2				25.3
---	--	--	--	------

+50				25.9
-----	--	--	--	------

3				26.9
---	--	--	--	------

ϕ 8.2 ✓5.7 | ϕ

5.7 ↓

8.2

9.0

9.3

9.0

9.0

49

48

42

3.2

Sta	t	X	-	Elev
		930.08		
3+39				25.2
+42				23.8
+44 ²⁷	P1			23.4
4				23.8
+50				23.9
5				23.1
+50				22.7
6				22.5
+50				22.1
7				21.7
+34				21.5
T.P	3.55	926.79	6.84	923.24
+50				21.4

4.9

6.3

6.7

22.56
I m R-R
252

6.3

6.2

7.0

7.4

7.6

8.0

8.4

8.6

5.4

Sta	+	Δ	-	Elev
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926.79

8

20.8

+50

20.4

9

20.0

$\frac{2}{1}$

60

64

68

