

Book # 52 - Dr # 8

MAINTENANCE SURVEY

DITCH

LEXINGTON AVE & CO. ROAD "E"

ROAD $\frac{1}{2}$ N^o 3

FILE N^o 13

Office of Ramsey Co. Engineer
ST. PAUL, MINN.

Date Filed 8-28-25

File No. "13"

Alignment

Ditch Survey
Lexington Ave and Co. Rd. E

station

237+53

± County pitch

N. 00° 56' W. 

221+92

215+71.6

± of Co. Rd. E.

E 1/4 Cor. Sec. 27 3912 T.P. 8-27-25

County Ditch 26'

T.P.

3266

Warm-Windy
H.L. Wilshusen
3Koo glond H.C.
Berthiaume R.C.
Tonkoski R.C.
Rexford S.H.

Ditch

Livingston Ave

90°
26'

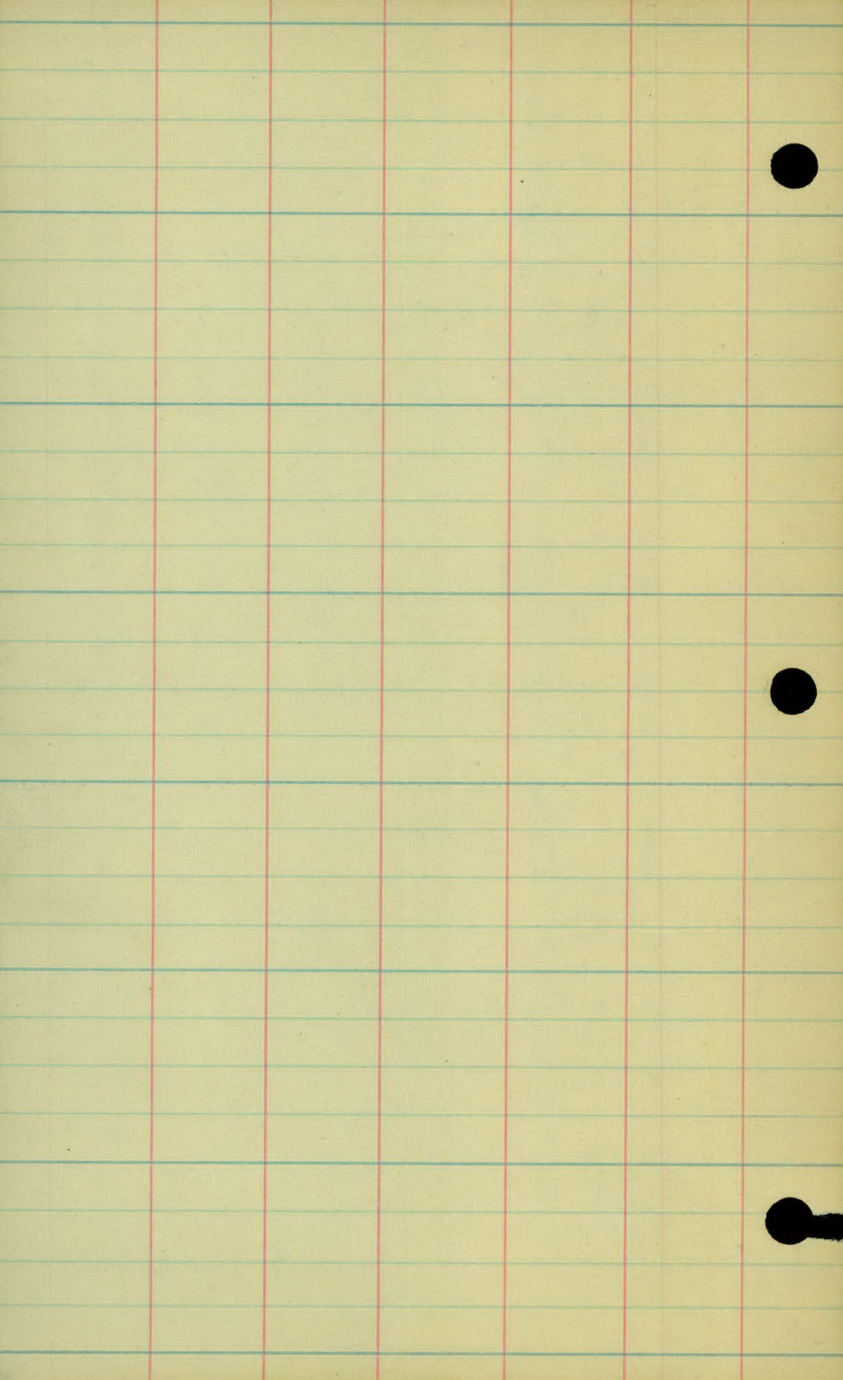
Abbl. Oak.

81 1/4

67 1/8

12000

N.E. Cor. Sec. 34



4 levels
Ditch Survey
Lexington and Co. Rd. E.

Station	+	H.I	-	Rod	Elev
B.M.	0.75	948.16 ✓			947.41
T.P.	1.48	939.77 ✓	9.87	938.29 ✓	
B.M.			9.42	930.35 ✓	
221+92				11.9	227.9.
222+00				11.6	228.2.
+25				11.3	228.5.
+50				11.3	228.5.
+75				11.3	228.5.
223+00				11.0	228.8.
+25				10.8	229.0.
+50				11.1	228.7.
+75				11.4	228.4.
224+00				11.3	228.5.
+25				11.3	228.
+50				11.8	228.0.

8/27/25

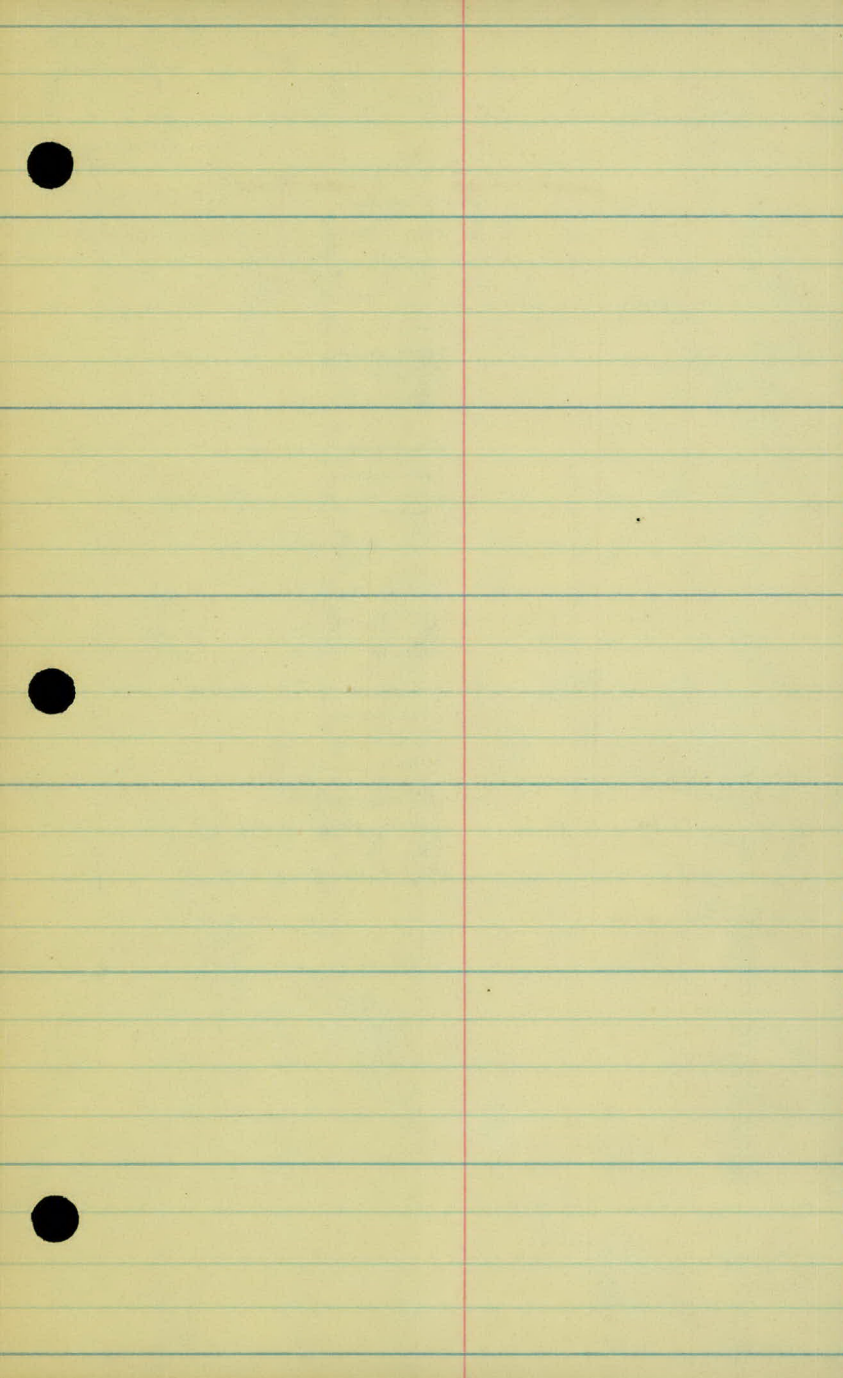
R.R. SPIKE IN OAK N.E. Cor. Lexington & Co. Rd. E.

R.R. SPIKE IN Tel. pole 28' Lt. 222+85

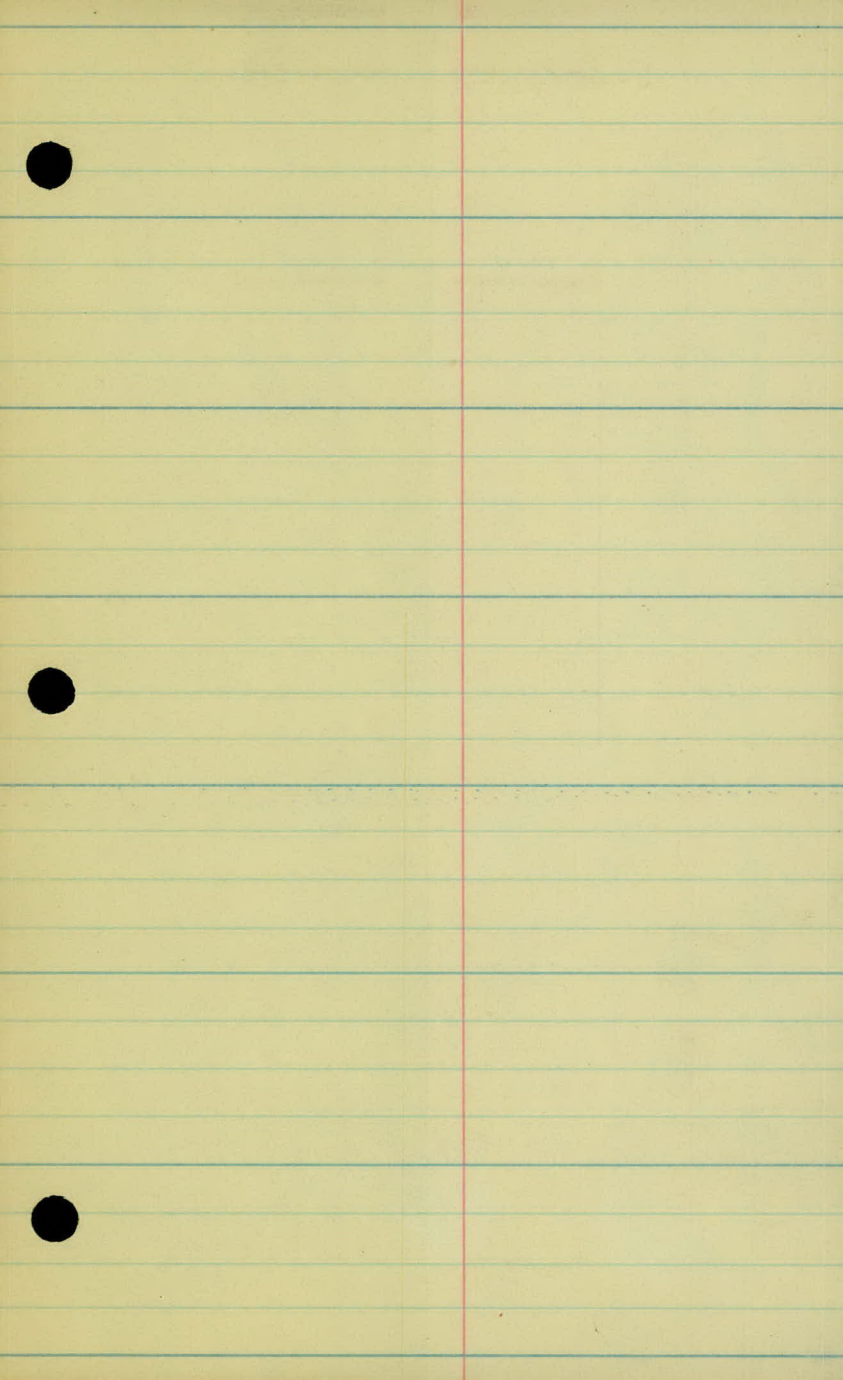
Set 8/27/25

Beginning of Ditch

Station	+	HI ✓	-	Red ✓	Elev.
		939.77			
T.P.	753	937.03 ✓	10.27	929.50	
+20+75				8.7	278.3.
+225+00				9.0	278.0.
+75				9.2	278.
+50				9.5	275.
+75				9.4	276.
+226+00				9.3	277.
+75				9.3	277.
+50				9.3	277.
+75				9.2	278.
+227+00				9.6	274.
+75				9.2	278.
+50				9.3	277.
+75				9.1	279.



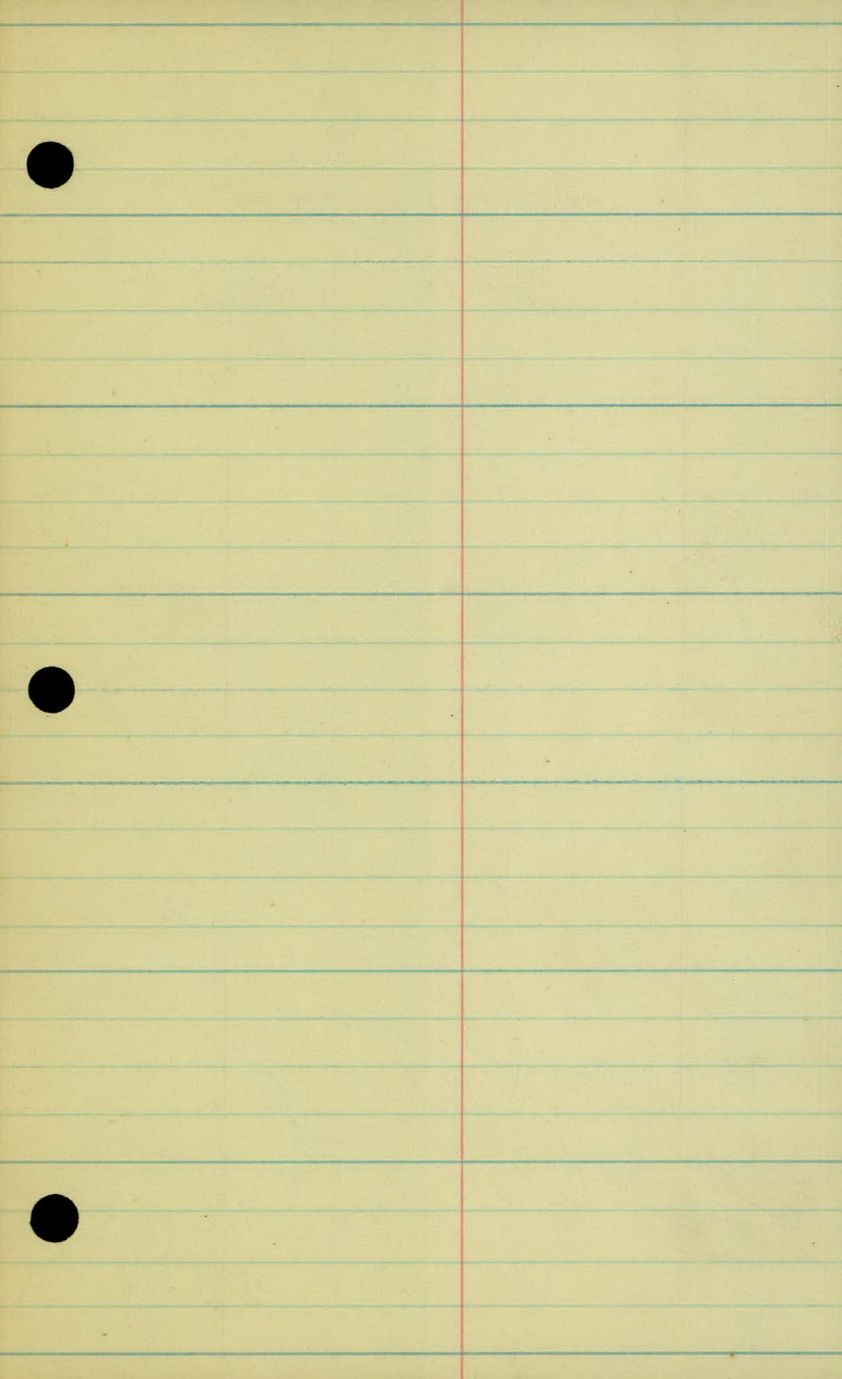
Station	+	H.I.	-	Rod	Elev.
		937.03 ✓			
228+00				9.4	927.6 •
+75				9.7	27.3 •
+50				9.4	27.6 •
+75				9.7	27.3 •
229+00				9.9	271 •
+75				9.7	27.3 •
+50				9.7	27.3 •
+75				10.0	27.0 •
230+00				10.1	26.9 •
+75				9.8	27.2 •
+50				9.8	27.2 •
+75				9.8	27.2 •
231+00				9.9	27.1 •



Station	+	H.I.	-	Red	Elev.
		937.03			
T.P.	9.52	936.81	8.74	928.29	
+75				89	927.9.
+50				98	27.0.
+75				91	27.7.
232+00				8.0	28.8.
+75				6.6	30.2.
+50				6.1	30.7.
+75				5.2	31.6.
233+00				4.6	32.2.
+75				6.4	30.4.
+50				7.5	29.3.
+75				8.4	28.4.
234+00				8.8	28.0.

8/27

Station	+	HI	-	Rod	Elev.
		936.81 ✓			
234+25				9.1	27.7
+50				9.0	27.8
+75				8.8	28.0
235+00				9.0	27.8
+25				9.2	27.6
+50				9.0	27.8
+75				9.3	27.5
236+00				9.1	27.7
+25				9.2	27.6
+50				8.9	27.9
+75				8.7	28.1
237+00				9.1	27.7
+25				8.9	27.9



Station	+	H.I.	-	Red.	Elev.
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		936.81 ✓			
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+55				10.0	926.8.
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+55

T.P.	8.99	937.28 ✓	8.52	928.29 ✓	
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B.M.			6.93		930.35 ✓
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Lt.

Rt.

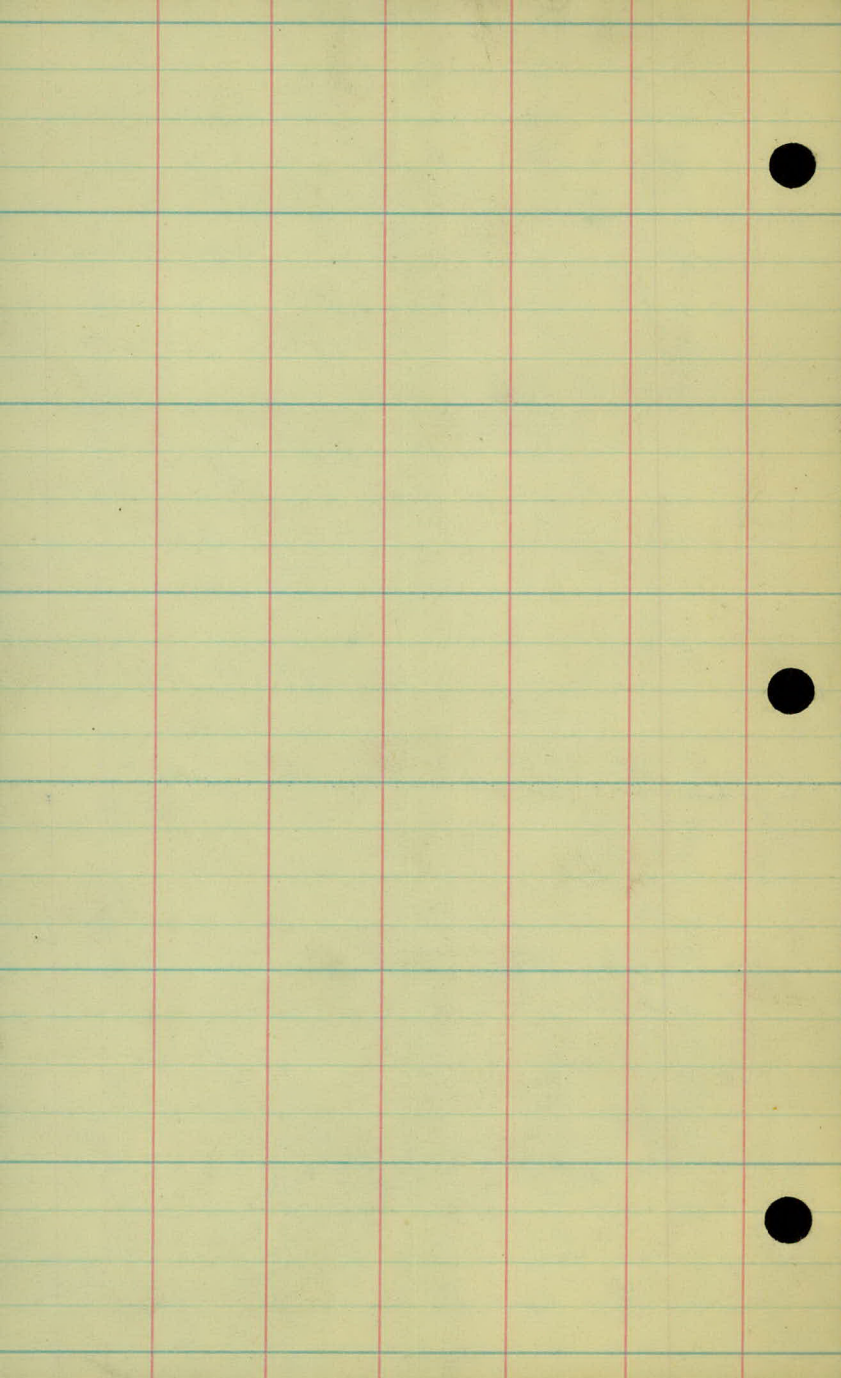
8/27/25

E of County Ditch

E Co. Ditch	B. Riv.	B. Pipe
10.6	10.3	10.3
50	3'	28.5

24" C.M.

R.R. spike in Tel. Pole 2.8' Lt. 222+85



9-1-25

± levels
Ditch Survey.
Lexington and Co. Rd. E.

Station	+	H.I.	-
B.M.	6.99	937.34 ✓	930.35

221+92

222+00

+25

+50

+75

223+00

+25

+50

+75

224+00

+25

+50

+75

Lt.

±

Rt.

3px. on Tel pole 28' Lt. 222 + 55
 $\frac{95}{60}$

± Ditch

 $\frac{95}{1}$

± of Ditch

 $\frac{98}{4}$

27.5

 $\frac{93}{4}$

28.0

 $\frac{100}{4}$

27.3

 $\frac{93}{4.5}$

28.0

 $\frac{95}{4.5}$

27.8

 $\frac{98}{4.5}$

27.5

 $\frac{104}{4.5}$

26.9

 $\frac{103}{4}$

27.0

 $\frac{103}{4}$

27.0

 $\frac{102}{4}$

27.1

 $\frac{95}{3.5}$

27.8

Base Line

Station	+	H.I.	-	Elev
---------	---	------	---	------

937.34

225+00

+25

+50

+75

226+00

+25

+50

+75

227+00

+25

+50

+75

228

Lt.

K

Rt.

1/2 of Ditch

$$\frac{10.5}{2.5}$$

26.8

$$\frac{10.2}{4}$$

27.1

$$\frac{10.7}{2.5}$$

26.6

$$\frac{10.8}{2.5}$$

26.5

$$\frac{10.7}{4}$$

26.6

$$\frac{10.2}{4}$$

27.1

$$\frac{10.8}{4}$$

26.5

$$\frac{10.0}{2.5}$$

27.3

Low Ord.

$$\frac{10.0}{1}$$

$$\frac{9.7}{2.5}$$

27.6

$$\frac{10.2}{3}$$

$$\frac{9.8}{3}$$

27.8

$$\frac{10.2}{1}$$

$$\frac{9.2}{2.5}$$

28.1

$$\frac{10.0}{1}$$

$$\frac{9.5}{3}$$

27.8

$$\frac{10.0}{1}$$

$$\frac{9.2}{3}$$

28.1

Station	+	H.I.	-	Elev.
---------	---	------	---	-------

		937.34 ✓		
--	--	----------	--	--

+25

T.P.	5.78	937.59 ✓	5.53	931.81 ✓
------	------	----------	------	----------

+50

+75

229+00

+25

+50

+75

230+00

+25

+50

+75

+80

231+00

Lt.

±

Rt.

± of Ditch

$$\begin{array}{r} \text{Low. Grd.} \\ 9.9 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 9.1 \\ \hline 2.5 \end{array} \quad 28.2$$

$$\begin{array}{r} 10.4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 9.6 \\ \hline 3 \end{array} \quad 28.0$$

$$\begin{array}{r} 10.4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 9.8 \\ \hline 4 \end{array} \quad 27.8$$

$$\begin{array}{r} 10.5 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 10.0 \\ \hline 35 \end{array} \quad 27.6$$

$$\begin{array}{r} 10.4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 9.6 \\ \hline 3 \end{array} \quad 28.0$$

$$\begin{array}{r} 10.3 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 10.0 \\ \hline 35 \end{array} \quad 27.6$$

$$\begin{array}{r} 10.6 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 10.1 \\ \hline 35 \end{array} \quad 27.5$$

$$\begin{array}{r} 10.7 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 10.0 \\ \hline 3 \end{array} \quad 27.6$$

$$\begin{array}{r} 10.4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 10.2 \\ \hline 35 \end{array} \quad 27.4$$

$$\begin{array}{r} 10.4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 10.0 \\ \hline 35 \end{array} \quad 27.6$$

$$\begin{array}{r} 10.4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 10.1 \\ \hline 35 \end{array} \quad 27.5$$

47' 24" C.M.

Flow line
12.0
3' 11.0
50'

$$\begin{array}{r} 10.5 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 9.4 \\ \hline 3 \end{array} \quad 28.2$$

Station	+	H.I.	-	Elev.
---------	---	------	---	-------

937.59 ✓

+75

+50

+75

232+00

+75

+50

+75

233+00

+75

+50

+75

234+00

+25

ft. of Ditch

$$\begin{array}{r} 97 \\ 60 \\ \hline \end{array} \quad \begin{array}{r} 96 \\ 3 \\ \hline \end{array} \quad 28.0$$

$$\begin{array}{r} 107 \\ 60 \\ \hline \end{array} \quad \begin{array}{r} 10.0 \\ 3 \\ \hline \end{array} \quad 27.6$$

$$\begin{array}{r} 100 \\ 60 \\ \hline \end{array} \quad \begin{array}{r} 92 \\ 48 \\ \hline \end{array} \quad 28.4$$

$$\begin{array}{r} 88 \\ 60 \\ \hline \end{array} \quad \begin{array}{r} 87 \\ 4 \\ \hline \end{array} \quad 28.9$$

$$\begin{array}{r} 88 \\ 4 \\ \hline \end{array} \quad 28.8$$

$$\begin{array}{r} 85 \\ 35 \\ \hline \end{array} \quad 29.1$$

$$\begin{array}{r} 85 \\ 5 \\ \hline \end{array} \quad 29.1$$

$$\begin{array}{r} 85 \\ 35 \\ \hline \end{array} \quad 29.1$$

$$\begin{array}{r} 82 \\ 5 \\ \hline \end{array} \quad 29.4$$

$$\begin{array}{r} 84 \\ 45 \\ \hline \end{array} \quad 29.2$$

$$\begin{array}{r} 90 \\ 25 \\ \hline \end{array} \quad 28.6$$

$$\begin{array}{r} 96 \\ 5 \\ \hline \end{array} \quad 28.0$$

$$\begin{array}{r} 97 \\ 60 \\ \hline \end{array} \quad \begin{array}{r} 97 \\ 3 \\ \hline \end{array} \quad 27.9$$

Station	+	H.I.	-	Elev.
---------	---	------	---	-------

		937.59 ✓		
--	--	----------	--	--

+50				
-----	--	--	--	--

+75				
-----	--	--	--	--

235+00				
--------	--	--	--	--

+25				
-----	--	--	--	--

+50				
-----	--	--	--	--

+75				
-----	--	--	--	--

236+00				
--------	--	--	--	--

+25				
-----	--	--	--	--

+50				
-----	--	--	--	--

+75				
-----	--	--	--	--

237+00				
--------	--	--	--	--

+25				
-----	--	--	--	--

+35				
-----	--	--	--	--

4.

4

Rt.

E of Ditch

$$\begin{array}{r} 10.1 \\ 3.5 \\ \hline \end{array} \quad 27.5$$

$$\begin{array}{r} 9.9 \\ 4 \\ \hline \end{array} \quad 27.7$$

$$\begin{array}{r} 10.0 \\ 4 \\ \hline \end{array} \quad 27.6$$

$$\begin{array}{r} 10.0 \\ 4.5 \\ \hline \end{array} \quad 27.6$$

$$\begin{array}{r} 10.2 \\ 4 \\ \hline \end{array} \quad 27.4$$

$$\begin{array}{r} 10.0 \\ 4 \\ \hline \end{array} \quad 27.6$$

$$\begin{array}{r} 10.0 \\ 4 \\ \hline \end{array} \quad 27.6$$

$$\begin{array}{r} 10.3 \\ 4.5 \\ \hline \end{array} \quad 27.3$$

$$\begin{array}{r} 10.3 \\ 4 \\ \hline \end{array} \quad 27.3$$

$$\begin{array}{r} 10.0 \\ 4 \\ \hline \end{array} \quad 27.6$$

$$\begin{array}{r} 10.3 \\ 4 \\ \hline \end{array} \quad 27.3$$

$$\begin{array}{r} 10.0 \\ 4 \\ \hline \end{array} \quad 27.6$$

$$\begin{array}{r} 10.0 \\ 4 \\ \hline \end{array} \quad 27.6$$

Station	+	H.I.	-	Elev.
		937.59	✓	

+50

+55	E of County Ditch			
T.P.	5.52	937.33	5.78	931.81
B.M.			6.98	930.35

RT.
E of Ditch

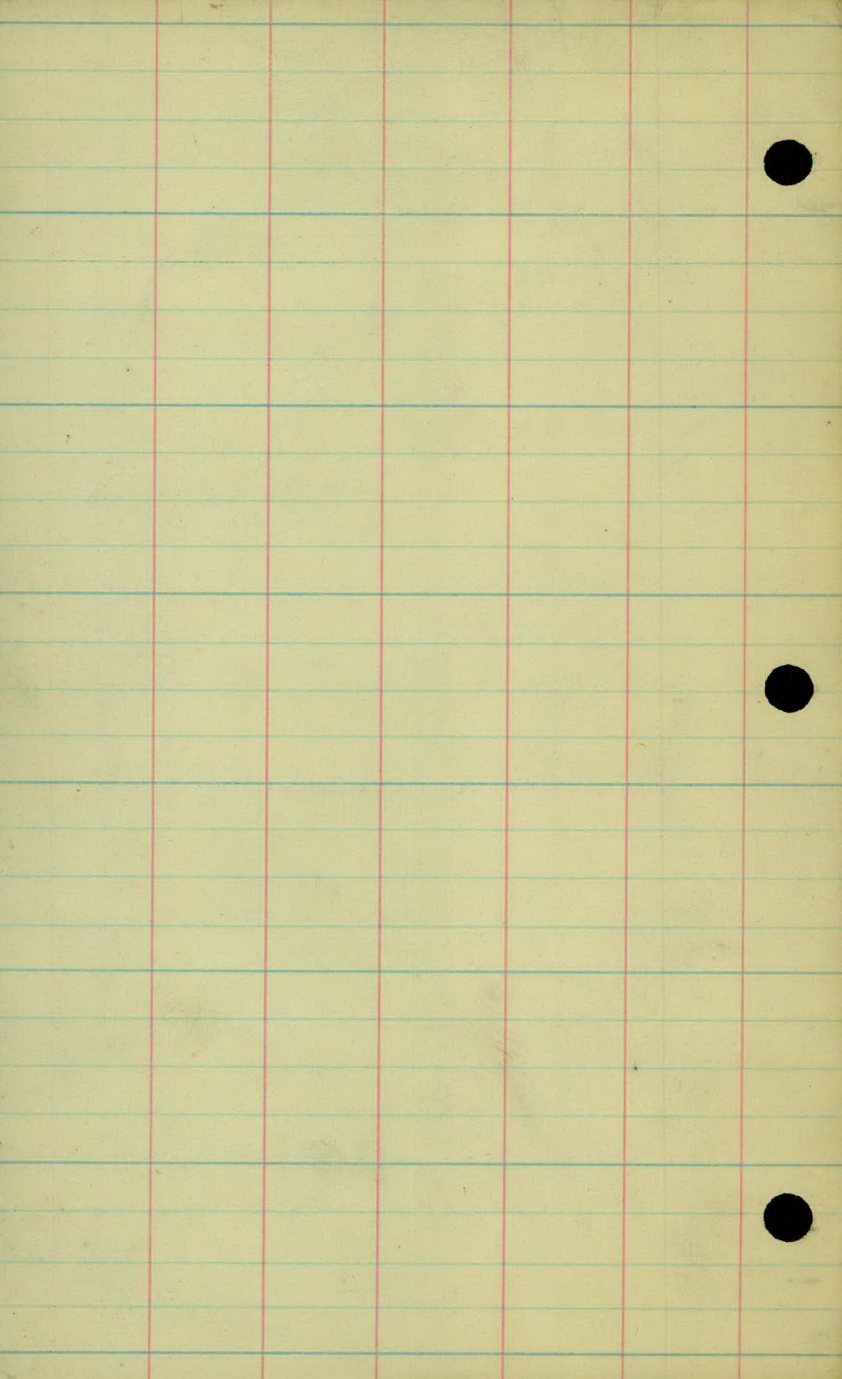
$$\frac{95}{3}$$

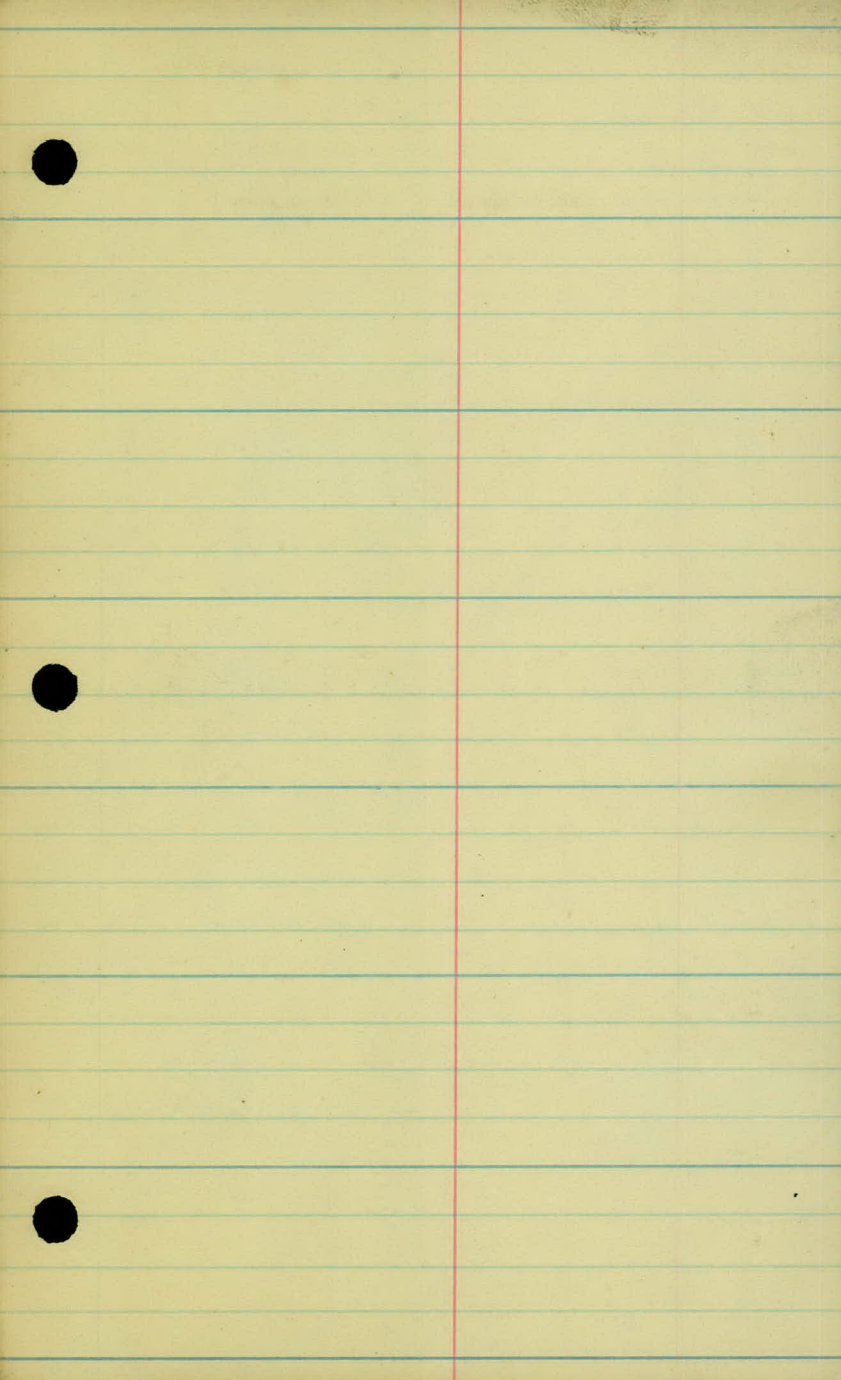
28.1

$$\frac{11.4}{2}$$

26.2

Spk. on Tel. pole 28' N. 22.2 + 85





Grades Set 10-2-25

Station	+	H.I.	-	Grade	Grade Rod
B.M.	6.87	937.22			930.35
T.P.	5.59	936.22	4.59	932.63	
230+00				926.58	11.64 ✓
+25				26.57	11.65 ✓
+50				26.55	11.67 ✓
+75				26.54	11.68 ✓
231+00				26.53	11.69 ✓
+25				26.52	11.70 ✓
+50				26.50	11.72 ✓
+75				26.49	11.73 ✓
232+00				26.48	11.74 ✓
+25				26.47	11.75 ✓
+50				26.45	11.77 ✓
+75				26.44	11.78 ✓
233+00				26.43	11.79 ✓
+25				26.42	11.80 ✓
+50				26.40	11.82 ✓
+75				26.39	11.83 ✓
234+00				26.38	11.84 ✓
+25				26.37	11.85 ✓
+50				26.35	11.87 ✓
+75				26.34	11.88 ✓
235+00				26.33	11.89 ✓
+25				26.32	11.90 ✓
+50				26.30	11.92 ✓
+75				26.29	11.93 ✓

Nail in T.P. left 22 + 85

Austin }
Peterson } 10/12/25
Golvin }
Bell }

Grades Set 10-2-25

Station + H.I. - Grade Rod

738.22

236+00

26.28 11.94

+25

26.27 11.95 ✓

+50

26.25 11.97 ✓

+75

26.24 11.98 ✓

237+00

26.23 11.99 ✓

+25

26.21 12.01 ✓

+50

26.20 12.02

Culv

26.50 11.72

T.P.

4.67

937.36

5.53

932.69

B.M.

6.97

930.39

(22+85)

12.01
9.45

2.56

11.95
9.93

2.0

11.90
9.86

2.04

11.84
9.68

2.16

11.79
5.82

5.97

11.99
9.54

2.45

11.94
9.90

2.0

11.89
9.68

2.21

11.83

9.14

11.78
7.12

4.66

11.98
9.36

2.6

11.93
9.91

2.02

11.88
9.70

2.18

2.7

11.82

7.79

11.77
7.90

3.87

11.97
9.29

2.68

11.92
9.71

2.2

11.87
9.88

2.0

11.85
9.76

2.1

4.03

11.80

6.91

4.9

11.79
7.28

4.51

$$\begin{array}{r}
 11.72 \\
 8.27 \\
 \hline
 3.47
 \end{array}
 \qquad
 \begin{array}{r}
 11.67 \\
 10.07 \\
 \hline
 1.60
 \end{array}$$

$$\begin{array}{r}
 11.73 \\
 9.29 \\
 \hline
 2.44
 \end{array}$$

$$\begin{array}{r}
 11.72 \\
 9.80 \\
 \hline
 1.92
 \end{array}$$

$$\begin{array}{r}
 11.70 \\
 9.47 \\
 \hline
 2.23
 \end{array}$$

$$\begin{array}{r}
 11.69 \\
 9.92 \\
 \hline
 1.67
 \end{array}
 \qquad
 \begin{array}{r}
 11.65 \\
 10.13 \\
 \hline
 1.52
 \end{array}$$

$$\begin{array}{r}
 11.64 \\
 9.82 \\
 \hline
 1.82
 \end{array}
 \qquad
 \begin{array}{r}
 11.64 \\
 10.16 \\
 \hline
 1.5
 \end{array}$$