Bk. 104 Dr. 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Levels Survey

Ditch No 10

From Soo Line R.R. To Wheelock Pky.

Road Acc't. No.

Date Filed 3-23-44 File

Co. Ditch Surv.

Align

Ditch #10

From Sea Line Tr. to Wheelock Pky.

6-15-43
HAW
AM
LG.

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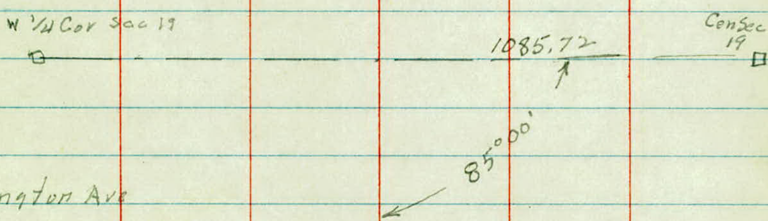
PROFILE BY A.W.L.
6-20-43

Sta		Δ Lt	Δ Rt	
2+04.50	P.I	30°12'		No End X Drain
1+84.75	P.O.T			
1+79.90	P.O.T			So End X Drain
0+05.5	P.I		90°00'	
0+00				

Description



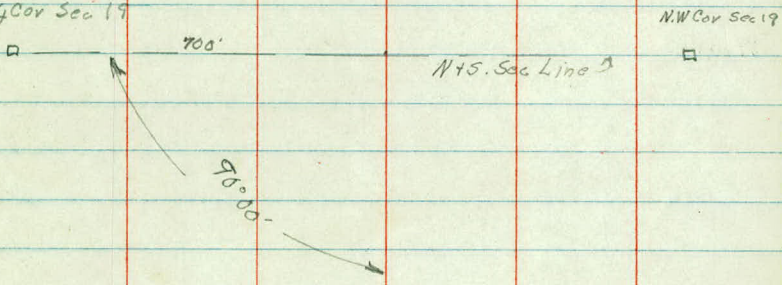
Arlington Ave

West End R.R. Culv

Sta	Pt.		Δ Lt	Δ Rt
8+07.40	P.I.		22°49'	
11+07.30	P.I.		32° 11'	

Sta	PI	Δ Lt	Δ Rt
20+40.15	P.O.T	℄ Rice	
19+94.85	P.I	89°03'	
16+30.20	P.I		89°04'

Description



Sta			Δ Lt	Δ Rt
41+21.25		Cem 24" Culv No End See Sta Ditch #10 Wheelock Pkg		
39+66.00	P.I		51° 35'	
28+98.40	P.I			89° 12'

Description

Bench Levels

Sta	+	⊼	−	Elev	
B.M.	1.36	874.19		872.833	✓
	1.22	863.95	11.46	862.73	
	0.32	852.77	11.50	852.45	
	1.60	841.36	13.01	839.76	
B.M	6.23	837.42	10.17	831.19	
	3.72	838.57	2.57	834.85	
	3.54	831.79	10.32	828.25	
	9.15	840.11	0.83	830.96	
	1.46	929.45	12.12	827.99	
B.M			7.33	822.12	✓
	28.80		79.31		

Description

Top USGS # GS 24.2' No & Wh. P.K. ± 112. No Rice Str

Top S.E. Cor. Conc C.B. Cover NW Cor Nebraska + Rice

Spk in Bridge Pile 40' Rt Sta 2+05

Profile Levels

Sta	+	℄	−	Elev
B.M	4.86	826.98 ✓		822.12
0+00		36"x42" Oval Conc Culv		
+05				
+50				
1+00				
+50				
1+89.50		So End 48"x25' Conc Culv 1'x 7.5' Conc Hd Wall		
1+		℄ Traveled Rd		
2+05		No End 48"x25' Conc Culv		
B.M	4.81	826.93 ✓	4.86	822.12 ✓
+50				
3+00				
+50				
4				

L4 Base Line

Spk in Bridge P/e 40' Rt Sta 2+05

8 15.45
11.53

Ditch
16.1
10.9

16.9
10.1

16.6
10.4
6

19.2
7.8

17.0
10.0
7

20.0
7.0

17.4
9.4
7

19.5
7.5

15.4 17.8 21.2
11.48 9.2 5.75
Inv Gr. Hdw

21.8
5.2

16.1 21.8 17.8
10.88 5.2 9.2
Inv Hdw Gr

Spk in P/e Ditch
12.8
8.9/4

19.2
7.9

Ditch
18.7
8.2

18.6
8.3

18.9
8.0

Stg	+	HI	−	Elev
		826.93		
4+50				
5				
+50				
6				
T.P	6.97	830.06	3.84	823.09
+50				
7				
+10				
+50				
8				
+50				
9				
+50				

	19.2 / 7.7	
	19.0 / 7.9	
	18.7 / 8.2	
	18.7 / 8.2	
	18.7 / 11.3	
	19.0 / 11.1	
	21.2 / 8.9	
	21.2 / 8.5	
	21.4 / 8.7	
	21.6 / 8.5	
	22.0 / 8.1	
	22.3 / 7.8	

Sta	+	HI	−	Elev
		830.06		
10+00				
+50				
11				
+50				
12				
T.P.	9.74	835.27	4.53	825.53
+50				
13				
+50				
14				
+50				
15				
+50				

Lt | ℄ | Rt

22.6 / 7.5

22.5 / 7.6

22.4 / 7.7

22.5 / 7.6

22.8 / 7.3

23.0 / 12.3

23.6 / 11.7

23.8 / 11.5

23.8 / 11.5

24.2 / 11.1

25.3 / 10.0

25.6 / 9.7

Stg	+	Π	−	Elev	
		835.27			
16					
+30 PI					
+50					
17					
+50					
18					
+50					
19					
+50					
+94 PI					
B.M	4.71	835.90	4.09	831.18	831.19
20		Toe Slope			
+09					

Lt | ℄ | Rt

30.8 / 85

30.3 / 50

27.7 / 4.6

25.8 / 9.5

26.0 / 9.3

25.7 / 9.6

25.6 / 9.7

26.0 / 9.3

28.7 / 6.6

27.7 / 4.6

Top S E Cor C B NW Cor Rico x Neb.

28.1 / 7.8

21.4 / 4.5

Stg	+	Π	=	Elev
		835.90		
20+40.15	℄	R. of		
+77				
+86		Toe Slope		
21				
+50				
22				
+50				
23				
+47		Toe Slope		
+50				
+54		Shl.		
+67		℄ Albemarle		

Lt	℄	Rt
	31.3 / 4.6	
	30.9 / 5.0	
	28.4 / 7.5	
	27.5 / 8.4	
	27.1 / 8.8	
	27.4 / 8.5	
	28.2 / 7.7	
	28.9 / 7.0	
	30.0 / 5.9	
	30.6 / 5.3	
	31.1 / 4.8	
	31.6 / 4.3	

Sta	+	H	−	Elev
		835.90		
23+79		Shl.		
23+90		Toe Slope		
24				
+50				
25				
+50				
T.P	5.44	840.74	0.60	835.30
26				
+50				
+81		Toe Slope		
+89		Shl.		
27		℄ Wood bridge		
+64		Shl		

LT	℄	RT
	32.2 / 3.7	
	31.5 / 4.4	
	31.1 / 4.8	
	30.9 / 5.0	
	31.2 / 4.7	
	31.9 / 4.0	
	32.0 / 8.7	
	32.0 / 8.5	
	33.0 / 7.7	
	33.8 / 6.9	
	34.1 / 6.6	
	34.1 / 6.6	

Sta	+	Π	−	Elev
		840.74		
27+15		Toe Slope		
+50				
28				
+50				
+63		Toe Slope		
+71		Sh1		
+80		Sh1		
+88		Toe Slope		
+98	P.I			
29				
+50				
30				

LH	#	RH
	32.4 / 7.3	
	32.5 / 8.2	
	32.6 / 8.1	
	33.7 / 7.0	
	33.9 / 6.8	
	35.2 / 5.6	
	35.9 / 4.8	
	34.0 / 6.7	
	34.0 / 6.7	
	33.6 / 7.1	
	33.8 / 6.9	
	33.9 / 6.8	

Sta	+	H	−	Elev
		840.74		
30+50				
T.P	8.57	845.05	4.24	836.48
31				
+50				
32				
+50				
33				
+50				
34				
+50				
+85		Toe Slope		
+93		Sh1		
35				

Lt	℄	Rt
	28.7 / 7.0	
	29.8 / 10.9	
	30.0 / 10.7	
	30.4 / 10.3	
	30.5 / 10.2	
	30.7 / 10.0	
	30.9 / 9.8	
	30.9 / 9.8	
	31.4 / 9.3	
	32.0 / 8.7	
	34.6 / 6.1	
	35.3 / 5.4	

Stg	+	R	−	Elev
		8450s'		
35+28		& Travelled Str		
+41		Sh!		
+50		Toe Slope		
36				
+50				
37				
+08		& Present Ditch		
+50				
38				
+50				
39				
+50				

Lt	Lt	Rt
	35.9 / 48	
	35.7 / 50	
	34.4 / 63	
	34.5 / 62	
	35.2 / 55	
	34.9 / 58	
	34.5 / 62	
	34.6 / 61	
	34.5 / 62	
	36.7 / 40	
	37.1 / 36	
	38.1 / 26	

Sta	+	π	−	Elev
		846.05		
39+66		Toe Slope		
T.P.	9.88	854.29	0.64	844.41
+82		Top Slope		
40				
+30		Top Curb		
+30				
+41		℄ Wheelock Pky		
+44		Gutter		
+46		Top Curb		
41				
+13				
+21		Top Hdw		
+21		24" Culv		
B.M			1.68	852.61

Lt	℄	Rt
	38.0 2.7	
	49.6 4.7	
	50.1 4.2	
	49.3 4.95'	
	49.0 5.26	
	49.2 5.12	
	48.5 5.74	
	49.3 4.95'	
	49.3 5.6	
	49.4 4.9	
	45.5 8.74	
	842.50 11.80 Inv	

Top Hyd N.E Cor Wh. Pks + Marion

Sta	+	Π	−	Elev	
	6.79	859.40		852.61	
	10.41	868.18	1.63	857.77	
	7.60	873.76	2.02	866.16	
			0.96	872.80	872.83

Description

Top Hyd. N.E Cor Marion & Wheelock Pkwy.

Top U.S.G.S #G.8 N.E Cor Wheelock Pkwy & Rice