

Summary of Ditch No 46.

	Anoka County.			
	Cost			
	Cu. Yds.	Excavation.	Preliminary.	Total Cost.
Main Line	9257.33	\$ 1207.68	\$ 310.34	\$ 1518.02
Branch No. 1.	3545.48	390.10	189.36	579.46
Branch No. 2.	1179.31	129.71	76.27	205.98
Branch No. 3.	3633.15	430.88	136.76	567.64
Branch No. 4.	136.15	16.33	7.89	24.22
Branch No. 5.	<u>2388.73</u>	<u>282.89</u>	<u>92.05</u>	<u>374.94</u>
	20140.15	\$ 2457.59	\$ 812.67	\$ 3270.26

EXHIBIT 2.

Engineer's Report

IN

Ditch Proceedings.

EXHIBIT 2 OF ENGINEER'S REPORT IN DITCH PROCEEDINGS.

Showing Estimated Depth of Cut, Width, No. of Cubic Yards Removed and Cost of Same, in.....Ditch No.....

SECTION	(1) DEPTH OF CUT	(2) WIDTH OF CUT AT BOTTOM	(3) WIDTH OF CUT AT TOP	(4) NO. OF CUBIC YARDS TO BE REMOVED	(5) Estimated Cost Per Cubic Yards		(6) Character of Other Expenses, Including Preliminary Expenses And Expense of Inspecting Work Until Completed With Total Per Section				(7) Total Estimated Cost per Section	
					\$	CTS.	\$	CTS.	\$	CTS.		
Summary of Estimate of Ditch No. 46 Anoka County.												
<i>Between Stake No. and Stake No.</i>	Sheet No. 1.			973.47			\$ 110.85		\$ 47	34	\$ 158	19
<i>Between Stake No. and Stake No.</i>	Sheet No. 2.			1331.87			157.78		49	97	207	75
<i>Between Stake No. and Stake No.</i>	Sheet No. 3.			1046.66			120.48		49	97	170	45
<i>Between Stake No. and Stake No.</i>	Sheet No. 4.			1323.15			151.21		49	97	201	18
<i>Between Stake No. and Stake No.</i>	Sheet No. 5.			2069.83			248.50		49	97	298	47
<i>Between Stake No. and Stake No.</i>	Sheet No. 6.			1968.49			208.82		49	97	258	79
<i>Between Stake No. and Stake No.</i>	Sheet No. 7.			548.86			210.04		13	15	223	19
<i>Between Stake No. and Stake No.</i>				9257.33			\$ 1207.68		\$ 310	34	\$ 1518	02
<i>Between Stake No. and Stake No.</i>												
<i>Between Stake No. and Stake No.</i>												
<i>Between Stake No. and Stake No.</i>												
<i>Between Stake No. and Stake No.</i>												
<i>Between Stake No. and Stake No.</i>												
<i>Between Stake No. and Stake No.</i>												

Total Estimated Cost of Whole Work, \$.....

EXHIBIT 2 OF ENGINEER'S REPORT IN DITCH PROCEEDINGS.

Showing Estimated Depth of Cut, Width, No. of Cubic Yards Removed and Cost of Same, in Anoka County Ditch No. 46

SECTION	(1) DEPTH OF CUT		(2) WIDTH OF CUT AT BOTTOM		(3) WIDTH OF CUT AT TOP		(4) NO. OF CUBIC YARDS TO BE REMOVED		(5) Estimated Cost Per Cubic Yards		(6) Character of Other Expenses, Including Preliminary Expenses And Expense of Inspecting Work Until Completed With Total Per Section				(7) Total Estimated Cost per Section	
	\$	CTS.	\$	CTS.	\$	CTS.	\$	CTS.	\$	CTS.	\$	CTS.	\$	CTS.		
	Main Line															
Between Stake No. 0.	2.3	Ft.	2.0	Ft.	7.8	Ft.			11.							
and Stake No. 1.	2.5	"	2.0	"	7.0	"	39.11		11	\$ 4.30		2	63	\$	6	93
Between Stake No. 2.	2.4	"	2.0	"	6.8	"	40.39		11	4.44		2	63		7	07
and Stake No. 3.	2.3	"	2.0	"	6.6	"	37.87		11	4.17		2	63		6	80
* Between Stake No. 4.	2.4	"	2.0	"	6.8	"	37.87		11	4.17		2	63		6	80
and Stake No. 5.	2.5	"	2.0	"	7.0	"	40.39		11	4.44		2	63		7	07
Between Stake No. 6.	2.5	"	2.0	"	7.0	"	21.67		11	4.58		2	63		7	21
and Stake No. 7.	2.6	"	2.0	"	7.2	"	42.98		11	4.74		2	63		7	37
Between Stake No. 8.	2.6	"	2.0	"	7.2	"	44.29		11	4.87		2	63		7	50
and Stake No. 9.	2.6	"	2.0	"	7.2	"	44.29		11	4.87		2	63		7	50
Between Stake No. 10.	2.7	"	2.0	"	7.4	"	45.64		11	5.02		2	63		7	65
and Stake No. 11.	3.2	"	2.0	"	8.4	"	54.09		11	5.95		2	63		8	58
Between Stake No. 12.	3.3	"	2.0	"	8.6	"	63.20		11	6.95		2	63		9	58
Between Stake No. Stake No. 13.	3.2	"	2.0	"	8.4	"	63.20		11	6.95		2	63		9	58
Between Stake No. Stake No. 14.	3.4	"	2.0	"	8.8	"	64.77		12	7.77		2	63		10	40
Between Stake No. Stake No. 15.	3.4	"	2.0	"	8.8	"	67.99		12	8.16		2	63		10	79
Between Stake No. Stake No. 16.	3.8	"	2.0	"	9.8	"	92.97		12	11.14		2	63		13	77
Between Stake No. Stake No. 17.	3.6	"	2.0	"	9.2	"	78.10		12	9.37		2	63		12	00
Between Stake No. Stake No. 18.	3.6	"	2.0	"	9.2	"	74.65		12	8.96		2	63		11	59
and Stake No.							993.47					47	34	\$	158	19

Total Estimated Cost of Whole Work, \$-----

EXHIBIT 2 OF ENGINEER'S REPORT IN DITCH PROCEEDINGS.

No. 2.

Showing Estimated Depth of Cut, Width, No. of Cubic Yards Removed and Cost of Same, in Anoka County Ditch No. 46.

SECTION	(1) DEPTH OF CUT	(2) WIDTH OF CUT AT BOTTOM	(3) WIDTH OF CUT AT TOP	(4) NO. OF CUBIC YARDS TO BE REMOVED	(5) Estimated Cost Per Cubic Yards		(6) Character of Other Expenses, Including Preliminary Expenses And Expense of Inspecting Work Until Completed With Total Per Section				(7) Total Estimated Cost per Section	
					\$	CTS.	\$	CTS.	\$	CTS.		
				Main Line.								
Between Stake No. 19.	4.3 ft.	2.0 ft.	10.6 ft.	87.04		12	\$ 10.40		\$ 2 63		\$ 13 03	
and Stake No. 20.	4.3 "	2.0 "	10.6 "	98.38		12	11.87		2 63		14 50	
Between Stake No. 21.	4.3 "	2.0 "	10.6 "	100.33		12	12.30		2 63		14 93	
Between Stake No. 22.	4.0 "	2.0 "	10.0 "	94.50		12	11.33		2 63		13 96	
Between Stake No. 23.	4.2 "	2.0 "	10.4 "	92.63		12	11.11		2 63		13 74	
Between Stake No. 24.	3.8 "	2.0 "	9.6 "	87.82		12	10.53		2 63		13 26	
Between Stake No. 25.	3.8 "	2.0 "	9.6 "	81.61		12	9.79		2 63		12 42	
Between Stake No. 26.	5.7 "	2.0 "	13.4 "	118.18		12	14.18		2 63		16 81	
Between Stake No. 27.	3.0 "	2.0 "	8.0 "	95.79		12	11.49		2 63		14 12	
Between Stake No. 28.	3.1 "	2.0 "	8.2 "	54.49		12	6.54		2 63		9 17	
Between Stake No. 29.	2.2 "	2.0 "	6.4 "	45.64		11	5.02		2 63		7 65	
Between Stake No. 30.	2.1 "	2.0 "	6.2 "	33.08		11	3.63		2 63		6 26	
Between Stake No. 31.	2.3 "	2.0 "	6.6 "	34.22		11	3.76		2 63		6 39	
Between Stake No. 32.	2.1 "	2.0 "	6.2 "	34.22		11	3.76		2 63		6 39	
Between Stake No. 33.	2.3 "	2.0 "	6.6 "	36.41		11	4.00		2 63		6 63	
Between Stake No. 34.	2.8 "	2.0 "	7.6 "	42.93		11	4.72		2 63		7 35	
Between Stake No. 35.	3.4 "	2.0 "	8.8 "	58.55		12	7.02		2 63		9 65	
Between Stake No. 36.	3.7 "	2.0 "	9.4 "	72.86		12	8.75		2 63		11 38	
Between Stake No. 37.	2.8 "	2.0 "	7.6 "	63.19		12	7.58		2 63		10 21	
and Stake No.			Totals.	1331.87			\$ 157.78		\$ 49 97		\$ 207 75	

Total Estimated Cost of Whole Work, \$-----

EXHIBIT 2 OF ENGINEER'S REPORT IN DITCH PROCEEDINGS.

Np. 3.

Showing Estimated Depth of Cut, Width, No. of Cubic Yards Removed and Cost of Same, in Anoka County, Ditch No. 46.

SECTION	(1) DEPTH OF CUT	(2) WIDTH OF CUT AT BOTTOM	(3) WIDTH OF CUT AT TOP	(4) NO. OF CUBIC YARDS TO BE REMOVED	(5) Estimated Cost Per Cubic Yards		(6) Character of Other Expenses, Including Preliminary Expenses And Expense of Inspecting Work Until Completed With Total Per Section		(7) Total Estimated Cost per Section	
					\$	CTS.	\$	CTS.	\$	CTS.
Between Stake No. 38.	2.8 ft.	2.0 ft.	7.6 ft.	49.77		12	\$ 5.97		\$ 2 63	\$ 8 60
and Stake No. 39.	3.9 "	2.0 "	9.8 "	73.70		12	8.84		2 63	11 47
Between Stake No. 40.	4.0 "	2.0 "	10.0 "	85.37		12	10.24		2 63	12 87
and Stake No. 41.	3.1 "	2.0 "	8.2 "	72.86		12	8.74		2 63	11 37
Between Stake No. 42.	3.4 "	2.0 "	8.8 "	63.19		12	7.58		2 63	10 21
and Stake No. 43.	3.5 "	2.0 "	9.0 "	69.63		12	8.35		2 63	10 98
Between Stake No. 44.	3.0 "	2.0 "	8.0 "	65.61		12	7.87		2 63	10 50
and Stake No. 45.	3.2 "	2.0 "	8.4 "	58.55		12	7.03		2 63	9 66
Between Stake No. 46.	3.0 "	2.0 "	8.0 "	58.55		11	6.45		2 63	9 08
and Stake No. 47.	3.0 "	2.0 "	8.0 "	55.56		12	6.11		2 63	8 74
Between Stake No. 48.	2.8 "	2.0 "	7.6 "	52.61		11	5.78		2 63	8 41
and Stake No. 49.	2.5 "	2.0 "	7.0 "	45.64		11	5.02		2 63	7 65
Between Stake No. 50.	2.3 "	2.5 "	7.1 "	41.81		11	4.60		2 63	7 23
and Stake No. 51.	2.2 "	2.5 "	6.9 "	39.59		11	4.35		2 63	6 98
Between Stake No. 52.	2.2 "	2.5 "	6.9 "	38.30		11	4.21		2 63	6 84
and Stake No. 53.	2.2 "	2.5 "	6.9 "	38.30		11	4.21		2 63	6 84
Between Stake No. 54.	2.5 "	2.5 "	7.5 "	42.22		11	4.64		2 63	7 27
and Stake No. 55.	2.5 "	2.5 "	7.5 "	46.29		11	5.09		2 63	7 72
Between Stake No. 56.	2.7 "	2.5 "	7.9 "	49.11		11	5.40		2 63	8 03
and Stake No.				1046.66			\$ 120.48		\$ 49.97	\$ 170 45

Total Estimated Cost of Whole Work, \$

37.52

EXHIBIT 2 OF ENGINEER'S REPORT IN DITCH PROCEEDINGS.

Showing Estimated Depth of Cut, Width, No. of Cubic Yards Removed and Cost of Same, in Anoka County Ditch No. 46.///

SECTION	(1) DEPTH OF CUT	(2) WIDTH OF CUT AT BOTTOM	(3) WIDTH OF CUT AT TOP	(4) NO. OF CUBIC YARDS TO BE REMOVED	(5) Estimated Cost Per Cubic Yards		(6) Character of Other Expenses, Including Preliminary Expenses And Expense of Inspecting Work Until Completed With Total Per Section				(7) Total Estimated Cost per Section	
					\$	CTS.	\$	CTS.	\$	CTS.	\$	CTS.
Between Stake No. 57. and Stake No. 58.	2.8 Ft. 2.8 "	2.5 ft. 2.5 "	8.1 ft. 8.1 "	53.48 54.96	11 11		\$ 5.88 6.04	\$ 2 63 2 63	\$ 8 51 8 67			
Between Stake No. 59. and Stake No. 60.	3.0 " 3.0 "	2.5 " 2.5 "	8.5 " 8.5 "	58.00 61.11	11 11		6.38 6.72	2 63 2 63	9 01 9 35			
Between Stake No. 61. and Stake No. 62.	3.0 " 3.1 "	2.5 " 2.5 "	8.5 " 8.7 "	61.11 62.70	11 11		6.72 6.89	2 63 2 63	9 35 9 52			
Between Stake No. 63. and Stake No. 64.	3.1 " 3.2 "	2.5 " 2.5 "	8.7 " 8.9 "	64.29 65.91	11 11		7.07 7.25	2 63 2 63	9 70 9 88			
Between Stake No. 65. and Stake No. 66.	3.2 " 3.2 "	2.5 " 2.5 "	8.9 " 8.9 "	67.54 67.54	11 11		7.43 7.43	2 63 2 63	10 06 10 06			
Between Stake No. 67. and Stake No. 68.	3.2 " 3.3 "	2.5 " 2.5 "	8.9 " 9.1 "	67.54 69.21	11 11		7.43 7.61	2 63 2 63	10 06 10 24			
Between Stake No. 69. and Stake No. 70.	3.5 " 3.0 "	2.5 " 2.5 "	9.5 " 8.5 "	74.38 69.21	12 12		8.92 8.30	2 63 2 63	11 55 10 93			
Between Stake No. 71. and Stake No. 72.	3.6 " 3.7 "	2.5 " 2.5 "	9.7 " 9.9 "	70.88 83.33	12 12		8.50 10.00	2 63 2 63	11 13 12 63			
Between Stake No. 73. and Stake No. 74.	3.8 " 3.9 "	2.5 " 2.5 "	10.1 " 10.3 "	86.89 90.63	12 12		10.43 10.87	2 63 2 63	13 06 13 50			
Between Stake No. 75. and Stake No.	4.0 " 	2.5 " 	10.5 " 	94.44 	12 		11.34 	2 63 	13 97 			
				Totals. 1323.15			\$ 151.21	\$ 49 97	\$ 201 18			

Total Estimated Cost of Whole Work, \$-----

EXHIBIT 2 OF ENGINEER'S REPORT IN DITCH PROCEEDINGS.

Showing Estimated Depth of Cut, Width, No. of Cubic Yards Removed and Cost of Same, in Anoka County, Ditch No. 46.

SECTION	(1) DEPTH OF CUT	(2) WIDTH OF CUT AT BOTTOM	(3) WIDTH OF CUT AT TOP	(4) NO. OF CUBIC YARDS TO BE REMOVED	(5) Estimated Cost Per Cubic Yards		(6) Character of Other Expenses, Including Preliminary Expenses And Expense of Inspecting Work Until Completed With Total Per Section				(7) Total Estimated Cost per Section	
					\$	CTS.	\$	CTS.	\$	CTS.	\$	CTS.
Between Stake No. 76.	4.0 ft.	2.5 ft.	10.5 ft.	96.37		12	\$ 11.56		\$ 2 63		\$ 14 19	
and Stake No. 77.	4.0 "	2.5 "	10.5 "	96.37		12	11.56		2 63		14 19	
Between Stake No. 78.	4.1 "	3.0 "	11.2 "	102.00		12	12.24		2 63		14 87	
and Stake No. 79.	4.2 "	3.0 "	11.4 "	109.00		12	13.09		2 63		15 72	
Between Stake No. 80.	4.2 "	3.0 "	11.4 "	111.99		12	13.44		2 63		16 07	
and Stake No. 81.	4.2 "	3.0 "	11.2 "	109.00		12	13.08		2 63		15 71	
Between Stake No. 82.	4.0 "	3.0 "	11.0 "	105.80		12	12.69		2 63		15 32	
and Stake No. 83.	4.0 "	3.0 "	11.0 "	103.70		12	12.44		2 63		15 07	
Between Stake No. 84.	4.0 "	3.0 "	11.0 "	103.70		12	12.44		2 63		15 07	
and Stake No. 85.	4.1 "	3.0 "	11.2 "	105.80		12	12.69		2 63		15 32	
Between Stake No. 86.	4.1 "	3.0 "	11.2 "	107.80		12	12.94		2 63		15 57	
and Stake No. 87.	4.2 "	3.0 "	11.4 "	109.00		12	13.18		2 63		15 81	
Between Stake No. 88.	4.2 "	3.0 "	11.4 "	111.90		12	13.44		2 63		16 07	
and Stake No. 89.	4.2 "	3.0 "	11.4 "	111.90		12	13.44		2 63		16 07	
Between Stake No. 90.	4.3 "	3.0 "	11.6 "	114.10		12	13.69		2 63		16 32	
and Stake No. 91.	4.2 "	3.0 "	11.4 "	114.10		12	13.69		2 63		16 32	
Between Stake No. 92.	4.1 "	3.0 "	11.2 "	137.10		12	16.45		3 63		19 08	
and Stake No. 93.	4.4 "	3.0 "	11.8 "	104.00		12	12.48		2 63		15 11	
Between Stake No. 94.	4.2 "	3.0 "	11.4 "	116.20		12	13.96		2 63		16 59	
and Stake No.		Total.		2069.83			\$ 248.50		\$ 49.97		\$ 298.47	

248.50
 151.21
 37.52
 437.23
 430.00
 597.23

Total Estimated Cost of Whole Work, \$-----

EXHIBIT 2 OF ENGINEER'S REPORT IN DITCH PROCEEDINGS.

Showing Estimated Depth of Cut, Width, No. of Cubic Yards Removed and Cost of Same, in Anoka County, Ditch No. 46.

SECTION	(1) DEPTH OF CUT	(2) WIDTH OF CUT AT BOTTOM	(3) WIDTH OF CUT AT TOP	(4) NO. OF CUBIC YARDS TO BE REMOVED	(5) Estimated Cost Per Cubic Yards		(6) Character of Other Expenses, Including Preliminary Expenses And Expense of Inspecting Work Until Completed With Total Per Section				(7) Total Estimated Cost per Section	
					\$	CTS.	\$	CTS.	\$	CTS.		
<i>Between Stake No.</i> 95.	4.0 ft.	3.0 ft.	11.0 ft.	107.80		10	\$ 10.78	\$ 2	63	\$ 13	41	
<i>and Stake No.</i> 96.	4.1 "	3.0 "	11.2 "	105.80		10	10.58	2	63	13	21	
Between Stake No. 97.	4.3 "	3.0 "	11.6 "	112.00		10	11.20	2	63	13	83	
and Stake No. 98.	4.4 "	3.0 "	11.8 "	118.40		10	11.84	2	63	14	47	
Between Stake No. 99.	3.8 "	3.0 "	10.6 "	107.80		10	10.78	2	63	13	41	
and Stake No. 100.	3.9 "	3.0 "	10.8 "	97.20		10	9.72	2	63	12	35	
Between Stake No. 101.	4.0 "	3.0 "	11.0 "	101.70		10	10.17	2	63	12	80	
and Stake No. 102.	3.9 "	3.0 "	10.8 "	99.99		10	10.00	2	63	12	63	
Between Stake No. 103.	4.0 "	3.0 "	11.0 "	101.70		10	10.17	2	63	12	80	
and Stake No. 104.	3.4 "	3.0 "	9.8 "	95.00		10	9.50	2	63	12	13	
Between Stake No. 105.	3.2 "	3.0 "	9.4 "	77.00		10	7.70	2	63	10	33	
and Stake No. 106.	3.3 "	3.0 "	9.6 "	75.20		10	7.52	2	63	10	15	
Between Stake No. 107.	3.4 "	3.0 "	9.8 "	78.70		10	7.87	2	63	10	50	
and Stake No. 108.	3.4 "	3.0 "	9.8 "	80.60		10	8.06	2	63	10	69	
Between Stake No. 109.	3.3 "	3.0 "	9.6 "	78.70		10	7.87	2	63	10	50	
and Stake No. 110.	3.5 "	3.0 "	10.0 "	80.60		10	8.06	2	63	10	69	
Between Stake No. 111.	4.5 "	3.0 "	12.0 "	103.70		11	11.41	2	63	14	04	
and Stake No. 112.	5.5 "	3.0 "	14.0 "	146.60		12	17.59	2	63	20	22	
Between Stake No. 113.	6.4 "	3.0 "	15.8 "	200.00		14	28.00	2	63	30	63	
<i>and Stake No.</i>			Totals.	1968.49			\$ 208.82	\$ 49	97	\$ 258	79	

Total Estimated Cost of Whole Work, \$.....

EXHIBIT 2 OF ENGINEER'S REPORT IN DITCH PROCEEDINGS.

Showing Estimated Depth of Cut, Width, No. of Cubic Yards Removed and Cost of Same, in _____ Ditch No. _____

SECTION	(1) DEPTH OF CUT	(2) WIDTH OF CUT AT BOTTOM	(3) WIDTH OF CUT AT TOP	(4) NO. OF CUBIC YARDS TO BE REMOVED	(5) Estimated Cost Per Cubic Yards		(6) Character of Other Expenses, Including Preliminary Expenses And Expense of Inspecting Work Until Completed With Total Per Section			(7) Total Estimated Cost per Section	
					\$	CTS.	\$	CTS.	\$	CTS.	
Between Stake No. 113 + 52 and Stake No.	6.4 ft.	3.0 ft.	15.8 ft.	132.20		14	\$ 18.51	\$ 2	63	\$ 21	14
Between Stake No. 113 + 52 and Stake No. 114 + 20	No 2.-	24"	Sewer Pipe. Pipe etc.				140.00			140.00	
Between Stake No. 114 + 20 and Stake No. 115	6.1	3.0	15.2	226.70		14	31.71	2	63	34	34
Between Stake No. 116	2.2	3.0	7.4	116.24		12	12.95	2	63	15	58
Between Stake No. 117	1.0	3.0	5.0	53.90		10	5.39	2	63	8	02
Between Stake No. 118 and Stake No.	0.0	3.0	0.0	14.82		10	1.48	2	63	4	11
Between Stake No. and Stake No.				543.86			\$ 210.04	\$ 13	15	\$ 223	19
Between Stake No. and Stake No.											
Between Stake No. and Stake No.											
Between Stake No. and Stake No.											
Between Stake No. and Stake No.											

Total Estimated Cost of Whole Work, \$ _____