BRIDGE APPROACH
RICE CREEK BRIDGE

From sta 116+04.63
To sta 120+77.26

CO. PROJ. Nº 26-04
ROAD % Nº 12

Proj. # 26-04.

Line Revision from Sta 116+04.00
to Sta. 120+77.70

Stg.	Point	Lt.	Rt.
119+44 [43]	P.T.		
118+04 [43]	P.I.	2°-48'	
116+41 [43]	P.C.		
116+64.63	PC		
111+74 [42]	P.T.		
111+08 [18]	P.I.	32°-52'	
110+37 [25]	P.C.		

N 90°-21' E

N 12°-21'-30" W

N 45°-43' W

For Proceedings see Kelly a/c #12

Fillmont File #14

12/3/25

116+64.03

117 - 0°-10' ℄

118 - 0°-40' ℄ 33.51

119 - 1°-10' ℄

+44.03 - 1°-24'

Δ. - 2°-48'

D. - 1°-17

T. - 140.00

L. - 280.00

R. - 5729.65

110+37.25

+50 - 1°-32'

111 - 7°-32'

+50 - 13°-32'

+74.19 - 16°-24'

@ Rice Creek Rd.

P.P. 7°0

5.6

T.P. 0+12.03

55.55

S8°-37-J

semi tang.

Δ - 32°-52'

D. - 24° flat

T. - 70.98

L. - 136.94

R. - 240.49

Stg.	Point.	Lt.	Rt.
126+46.80	P.I.		
			N-88°-57'-E.
Eqva. 120+80.45	P.I. = 120+77.94		
	2.51		
120+48.55	P.I.		79°-36
120+00.55			

12/3/25

Guy Pole
0
74 ±

T. P.
0
37 42/

Δ - 79°-36'
D. - 120°-18'
T. - 48 10
L. - 80 20
R. - 57 23

Proj. # 26-04

Art. Topog. from
Sta. 104+00 to Sta. 119+00

109

108

107

106

105

104

12/3/25

S.L. 10 L.

+87 - T.P. 21 K

S.L. - 10

+63 - T.P. 19 L.

+27 Side Drain 28 L

+95 Rice Creek R.R.
+65 T.P. 51 L.
+64 Side Drain 30L
15"x61 C.M.
Good Cond.
+38 T.P. 25 L.

S.L. 13 L.

+77 T.P. 26 L.

S.L. 11 L.

+59 T.P. 24 L.

S.L. 11 L.

Cultivated Field

Cultivated Field

S.L. 9°

+26 P.P. 23 R.

S.L. 10°

+43 Cross Drain
15"x59' C.M. Good Cond.
Extends 17½ 22 R.

+20 - P.P. 26 R.

S.L. 8° R

+66 Guy Pole 13 R.

+12 P.P. 17 R.

S.L. - 9 R.

S.L. 8° R.

+74 - P.P. 18 R.

S.L. 8° R.

115

114

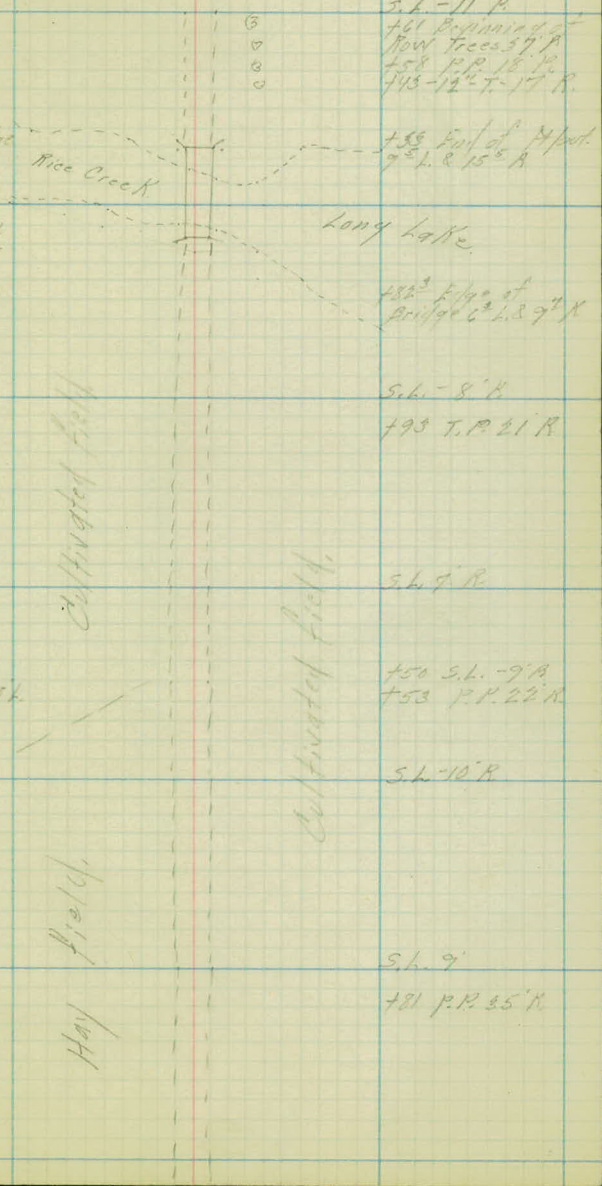
113

112

111

110

109.

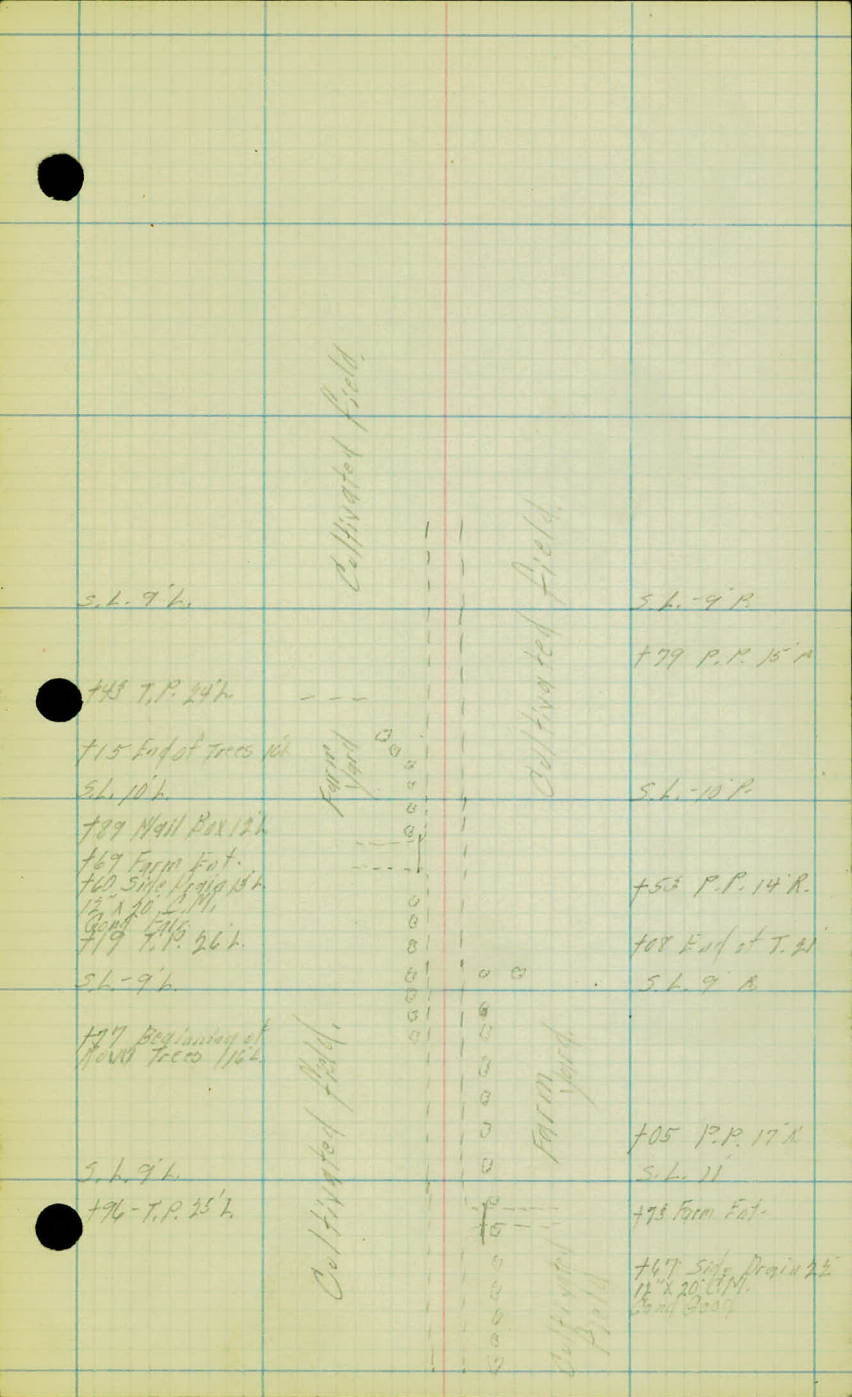

S.L. - 7' L.
+66 T.R. 24' L.
+31.5 End of Bridge
5° L. & 10° R.
+81 Brieff Abut.
10' L. & 17' R.
+82.3 Beginning
of Bridge
+26 - T.P. 24' L.
S.L. - 10' L.
S.L. - 18' L.
+94 T.R. 24' L.
+50 S.L. 12' L.
+42 Guy R. & 25' L.
+07 T.P. 24' L.
S.L. 11' L.
+19 - T.P. 17' L.
S.L. 9' L.
S.L. - 11' R.
+61 Beginning of
Row Trees 37' R.
+58 P.R. 18' R.
+43 - 12" T. - 17' R.
+38 End of Approach
7° L. & 15° R.
Rice Creek
Long Lake
+82.3 End of
Bridge 2° L. & 7° R.
S.L. - 8' R.
+93 T.R. 21' R.
S.L. 9' R.
+50 S.L. - 9' R.
+53 P.R. 22' R.
S.L. - 10' R.
S.L. 9'
+81 P.R. 35' R.
Cultivated Field
Cultivated Field
Hay

118

117

116

115


Cultivated Field.
Cultivated Field.
Farm Yard
Cultivated Field.
Farm Yard
S.L. - 9' L.
+45 T.P. 25' L.
+15 End of Trees 10' L.
S.L. 10' L.
+89 Mill Box 12' L.
+67 Farm Fot.
+60 Site Proposed 18' L. 12' x 20' C.M. Good Clay
+19 T.P. 26' L.
S.L. - 9' L.
+17 Beginning of Hawk Trees 12' L.
S.L. 9' L.
+96 - T.P. 25' L.
S.L. - 9' R.
+79 P.P. 15' R.
S.L. - 10' R.
+53 P.P. 14' R.
+08 End of T. 21' R.
S.L. 9' R.
+05 P.P. 17' R.
S.L. 11'
+73 Farm Fot.
+47 Site Proposed 24' L. 12' x 20' C.M. Good Clay

Proj. #26-04

. Levels from New Brighton to Rice Creek.

Sta.	+	H.I.	−	Elev.
B.M.	5.15	888.14		882.99
	6.56	891.56	3.14	885.00
	5.52	891.97	5.11	886.45
	1.34	889.35	3.98	887.99
	12.73	896.46	5.62	883.73
	7.91	905.98	0.39	896.07
	0.57	904.05	2.50	903.48
	0.07	894.40	9.72	894.33
	0.97	887.71	7.66	886.74
	3.48	878.87	12.32	875.39
	3.45	876.06	4.26	872.61
P.I.	10.32	881.81	4.57	871.49
	11.55	892.92	0.44	881.37
	6.23	898.45	0.70	892.22
	4.74	897.08	5.11	892.34
	7.48	903.46	2.10	895.98
	4.15	907.46	0.15	903.31
	0.13	896.31	11.28	896.18
P.I.	0.54	890.45	6.40	889.91
	1.76	883.73	8.48	881.97
	2.64	875.59	10.78	872.95
B.M.			6.68	868.91

12/2/26

Spk. in T.P. at N.W. Cor. of int. of 2 main streets in New Brighton. #54.

Spk. P.P. Rt. Sta. 109+34.

Spk. 12" Oak. 40' Rt. Sta. 111+95.

Proj. #26-04

Center line levels and
X sections from Sta. 102+00
to Sta. 118+00.

Stg.	+	H.I.	-	Rod	Elev.
B.M.	6.84	896.75		889.91	
102				3.9	892.9
103				6.5	90.3
+24				7.1	89.7
104				8.8	88.0
T.P.	2.84	891.22	8.37	888.38	
+55				4.0	87.2
105				4.8	86.4
+60				5.3	85.9
106				5.9	85.3
+52				6.5	84.7
+68				6.4	84.6
+77				6.8	84.4
+90				7.1	84.1
+95	Profile of Rice Creek Rd.			7.2	84.0

12/7/25

17.

2.3	1.6	4.0	4.2			4.5	4.4	2.0	1.2	1.9
33	22	17	13	3.9		10	14	20	24	33
8.5	4.7	7.5	7.1	6.7		6.9	7.0	5.7	6.2	
33	24	20	17	12	6.5	9	16	23	33	
9.1	7.7	7.3				7.4	7.3	8.5	7.9	8.1
33	15	11	7.1			9	11	23	26	33
14.3	13.5	11.0	10.4	9.1	8.9		9.5	9.7	10.7	10.2	10.5	12.7
33	30	23	18	15	11	8.8	9	14	17	21	25	33
7.0	8.6	5.2	4.3			4.3	5.9	7.7	7.4	7.8
33	27	15	11	4.0		7	13	17	25	33
5.3	5.9	7.3	7.3	6.8	7.0	6.9	5.5	5.4	4.9		5.4	6.3	8.0	8.9	
100	87	70	67	50	33	42	17	13	11	4.8	11	14	24	33	
			6.6	8.1	7.2	6.4	5.8	4.3	3.1						
			25	85	100	107	110	135	150						
			6.0	5.3	4.7	4.4	4.6	6.0	6.0	5.6		6.1	6.2	5.4	5.2	5.7
			55	50	40	29	23	19	14	12	5.3	11	15	18	24	33
			2.7	1.3												
			150	200												
4.1	5.2	5.9	4.5	3.8	3.7	4.5	6.2	6.4	6.1		6.3	8.1	7.8	5.1	5.7
150	117	100	62	47	31	24	20	16	13	5.9	10	14	19	23	33
			4.6												
			300												
5.1	5.0	4.3	4.3	3.7	2.4	2.5	3.1	5.5	7.0		7.0	6.0	7.0	8.1	
150	132	114	100	82	50	41	30	19	14	6.5	9	15	23	33	
			5.4												
			300												
5.1	5.1	4.1	3.5	2.5	4.6	7.0	7.7	7.1	6.5		7.3	6.7	7.6	8.2	9.0
150	124	100	89	51	43	39	35	29	14	6.6	11	14	22	26	33
5.5	5.7	5.1	4.0	4.7	7.4	7.1	6.5		7.4	6.7	8.4	9.3	
200	150	121	100	65	55	43	21	6.8	8	13	23	33	
5.9	5.7	7.1	7.2	6.5	6.7	6.7		7.2	7.9	8.8	
200	188	150	119	93	50	20	7.1	10	18	33	
3.9	5.0	5.6	6.7	6.5							
250	200	150	100	50	7.4						

Sta.	+	H.I. 891.22	−	Rod	Elev.
107				7.3	883.9
+20				7.7	83.5
+30				7.9	83.3
+35				8.0	83.2
+50				8.5	82.7
108				9.0	82.2
+50				9.5	81.7
T.P.	2.49	884.67	9.04	882.18	
109				3.2	81.5
+50				3.7	81.0
110				4.5	80.2
+50				5.3	79.4
111				6.3	78.4
+50				7.7	77.0

12/7/35

6.3	4.4	5.7	4.4	6.6								7.5	7.2	8.4	9.8				
200	181	150	100	50	7.3							8	10	17	33				
50																			
200																			
5.7	6.2	6.9	7.9	8.1	8.2	7.7	8.1	7.6				7.9	7.3	8.7	8.9	10.0			
150	115	100	74	50	45	30	22	13	7.7			8	10	18	25	33			
5.3	5.7	7.1	7.2	1.5	2.6	7.9	8.6	8.1	8.4			8.5	8.0	8.7	9.4	9.7			
200	168	137	111	50	33	27	25	19	12	7.7		10	12	22	31	33			
4.2	6.7	6.8	2.5	1.8	3.1	8.7	8.2	8.4				8.6	8.1	7.4	9.4	9.9			
200	184	150	90	50	26	22	16	10	8.0			11	13	23	31	33			
7.1	4.2	2.9	2.4	3.6	8.2	8.9	8.3	8.8				8.8	10.7						
200	150	100	50	25	18	15	13	9	8.5			12	33						
4.1	4.0	3.7	4.8	7.3	8.4	8.8	9.6					9.5	7.3	9.8	11.8				
200	150	100	50	19	15	11	9	9.0				13	15	20	33				
3.6	5.4	6.7	7.8	8.4	9.2	7.9						10.1	9.5	9.6	11.4				
200	150	100	50	21	11	9	9.5					11	12	19	33				
0.0	2.6	3.1	2.9	3.3	3.7	3.8						3.9	3.0	3.8					
150	100	50	37	22	15	11	3.5					10	12	33					
6.6	6.9	5.7	4.4	4.1	4.5							4.3	3.4	3.6					
100	74	50	25	14	12	3.7						10	13	38					
6.6	5.0	4.5	5.0	5.0								5.1	3.9	4.6					
50	31	19	14	11	4.5							10	14	33					
5.0	4.7	4.9	5.1	6.0								5.8	4.9	5.6					
33	31	15	10	9	5.3							12	18	33					
6.2	5.7	6.6										7.0	6.1	6.7					
33	13	11	6.3									10	14	33					
4.3	9.6	7.6	4.8	7.8								6.4	7.7	7.3	7.8				
33	24	18	15	12	7.7							8	10	14	33				

Sta.	+	H.I.	-	Rod	Elev
		884.67			
112				9.3	875.4
+50				11.0	73.7
T.P.	2.41	875.34	11.74	872.93	
113				2.9	72.4
+30				3.4	71.7
+54				4.3	71.1
+80				4.9	70.4
+82				5.0	70.3
				10.1	65.2
114			On Bridge	4.7	70.6
			Water Elev.	11.0	64.3
			Ground "	11.4	63.7
107			On Bridge	4.5	70.8
			Water Elev.	11.0	64.3
			Ground "	11.4	63.7
+31			On Bridge	4.6	70.7
			Ground	10.2	65.1
+93.5				4.5	70.8
+42				3.8	71.5 / 71.8
115				3.0	72.3

12/8/25

12

4.0	4.5	10.4	8.9	9.4		9.7	9.1	10.5			
33	34	30	15	19	7.3	10	18	33			
8.1	8.2	9.5	12.0	11.4	11.4	11.5	11.1	10.7	12.4		
33	28	32	18	14	12	11.0	8	10	14	33	
0.9	2.1	3.8	4.1	3.4		3.3	3.7	4.7	5.6	3.0	4.1
32	22	17	13	10	2.9	8	11	13	18	23	33
2.1	2.2	4.8	5.5	5.7	4.3	4.2	6.6	7.6	7.8	6.1	6.2	6.6	9.3
33	30	24	20	17	12	8.6	9	15	18	24	26	38	55	70
3.2	3.7	5.1	7.3	7.4	4.5	4.5	5.7	9.7	9.0	9.7	10.3		
40	34	24	19	17	9	4.2	10	15	24	32	36	50	
										top of ice	
8.9	7.4	9.7	10.2	9.2	7.8	7.2	4.6	5.0	9.5	10.4	10.8		
48	33	25	22	15	12	10	4	4.7	10	16	22	31	
9.5	10.4	9.9	8.1	9.6	4.6	5.0	4.1	10.1	10.0	10.8			
50	36	17	11	6	6	(10.1)	10	10	18	28			
						Cracking	waterflow	bridge	waterflow	Cracking	top		
						11.6	11.0	4.8	4.7	4.5	11.0	11.5	
						6	6	6	11.0	10	10	10	
						11.6	11.0	4.6	4.5	4.0	11.0	11.5	
						6	6	6	11.0	10	10	10	
						Top of ice							
10.9	10.2	10.2	4.7	4.6	4.3	10.2	9.8	10.2	9.8	10.5			
17	14	6	6	10.2	10	10	17	27	38	50			
Top of ice													
10.9	9.8	8.1	4.6		4.4	8.6	9.5	10.2	9.8	10.5			
20	14	10	6	4.5	10	14	18	27	38	50			
8.5	8.0	6.2	4.1		4.0	5.2	7.6	9.1	9.1	6.3	4.1		
50	18	10	5	4.8	10.5	15	21	24	31	34	50		
7.4	6.7	5.6	4.7	3.3		3.2	4.3	7.1	7.1	4.8	3.3		
50	33	17	10	6	3.0	11	15	24	27	32	50		

8?

Sta.	+	H.I.	−	Rod	Elev.
		875.14			
B.M.	8.07	876.98	6.40	868.91	868.91
+35				3.4	873.6
+73	Farm Ent. Rt.			1.7	755
114				0.5	76.5
	11.51	888.27	0.22	876.76	
+50				7.4	78.9
117				6.8	81.5
+50				4.5	83.8
118				2.9	86.3
T.P.	0.51	877.48	11.30	876.97	
B.M.			8.57	868.91	868.91

12/8/25

7.4	5.6	4.8	3.9		3.7	5.8	6.1	4.9	3.9
33	14	10	8	3.4	13	19	23	15	35

	1.7	0.7
1.7	25	50

3.1	2.2	1.8		0.8	1.3	0.0
32	20	10	0.5	14	20	38

9.0	7.7	8.3	7.5		7.1	6.4	6.4
33	14	12	10	6.8	9	15	33

3.5	3.3	2.5		2.3	2.0	1.5
33	13	10	2.0	12	19	33

Proj. # 26-04

Profile of the ground
20' Rt. of ℄ from Sta. 111+00
to Sta. 117+00.

Sta.	+	H.I.	−	Rod	20' Right Elev.
B.M.	11.20	880.11		868.91	
111				1.5	878.6
+50				3.1	77.0
112				7.7	75.4
+50				6.7	73.4
+86				7.0	73.1
113				9.0	71.1
T.P.	2.41	875.31	7.21	872.90	
+03				7.7	70.6
+09				6.7	68.6
+18				6.9	68.4
+42				8.3	67.0
+55				7.5	67.8
+82				9.9	65.6
+90				11.0	64.3
114				11.0	64.3
114				11.6	63.7
+11				11.0	64.3
+27				10.2	65.1
+35				9.3	64.0
+45				7.9	67.4
+65				7.0	68.3
115				6.6	68.7
T.P.	9.49	882.40	2.40	872.91	
+32				11.6	70.8
+47				10.5	71.9

12/7/25

Spk. in 12" Oak. 40' Lt. Sta. 113+75.

Edge of Creek
Top of Water
Bottom of Creek
Edge of Creek

Sta.	+	H.I.	−	Rod	20' Right. Elev.
		882.40			
+49				9.5	872.9
+67				8.3	74.1
+71				7.4	75.0
+89				6.8	75.6
+90				7.8	74.6
114				6.7	75.7
+50				3.4	79.0
117				0.4	82.0
T.P.	2.40	875.51	9.49	872.91	
B.M.			4.60	868.91	

5

12/9/25

Spk. in 12" Oak 40' Rt. Sta. 113+75.

Proj # 26-04

Profile of the Ground
20' Left of ℄ from Sta. 111+00
to Sta. 119+00.

Sta.	+	H.I.	−	R	20' Left. Elev.
B.M.	11.20	880.11		868.91	
111				1.5	878.6
+08				2.7	77.4
+30				2.6	77.5
+55				3.5	76.6
+85				4.7	75.4
112				6.0	74.1
+30				6.3	76.8
+48				5.2	74.9
+64				6.3	73.8
+86				7.1	73.0
113				7.7	72.4
T.P	2.41	875.31	7.21	872.90	
+20				4.7	70.4
+70				8.4	66.9
+84				10.2	65.1
+91				11.0	64.3
114				11.0	64.3
114				11.6	63.7
+35				11.0	64.3
+53				8.9	66.4
+72				6.5	68.8
115				5.5	69.8
T.P	9.49	882.40	2.40	872.91	
+50				10.7	71.7

12/9/25

Lt.

Spk. in 12" Oak. 40 ft. Sta. 113+75.

Edge of Creek.
Top of Water.
Bottom of Creek
Edge of Creek.

Sta.	+	H. I.	-	Rod	20' Left. Elev
		882.40			
116				7.4	874.8
+50				5.2	77.2
117				2.2	80.2
T. P.	2.60	875.51	9.49	872.91	
B.M.			6.60	868.91	

12/9/25

Left

Sp K. in 12" Oak 40' Lt. Sta. 113+75.

Proj. # 26-04

Soundings & Creek Elev.

Sta.	+	H.I.	−	Rod	Elev.	
B.M.	6.44	875.35		868.91		
Sounding # 1				10.8	864.6	=
18' Rt. Sta. 113+87				13.7	61.7	
				22.4	53.0	
Sounding # 2				11.0	864.4	=
12' Rt. Sta. 114+04				11.3	64.1	=
				12.5	62.9	=
				18.8	56.4	
Sounding # 3				10.5	864.9	
14' Rt. Sta. 114+26				13.1	62.3	
				19.1	56.3	
114+07	Readings in Bottom of Creek Lt. & Rt.					
				8.7	866.7	
				11.0	864.4	
				11.5	863.9	

12/9/25

Elev. of Ground.
Weight of one man
Driven With 5 lb mall
0.05 = Penetration With 5 lb mall.

Elev. of Water
" " Ground
Weight of one man
Driven With 5 lb mall
0.04 = Penetration With 5 lb mall.

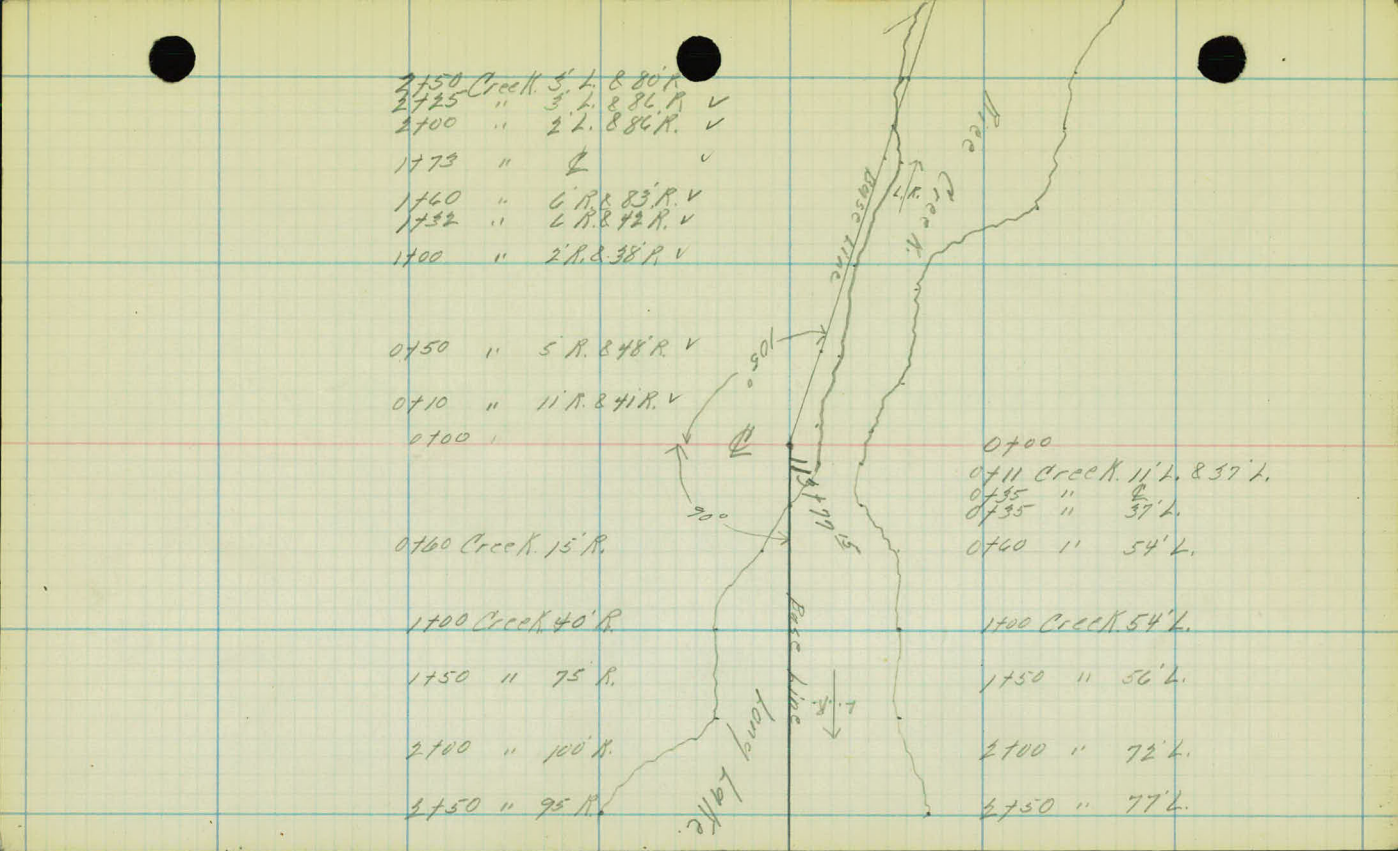
= Elev of Ground
Weight of one man
Driven With 5 lb mall
0.05 = Penetration With 5 lb mall.

13.2	12.2	11.6	11.4	11.6	12.6	13.2	13.7	13.7	13.8
250	200	150	100	50	50	100	150	200	250

High Water Mark.
Present Water Elev.
Wing Wall footing.

Proj. # 26-04

Rice Creek Location.


2750 Creek 5' L. & 80' R.
2725 " 3' L. & 86' R.
2700 " 2' L. & 86' R.
1773 "
1760 " 6' R. & 83' R.
1752 " 6' R. & 42' R.
1700 " 2' R. & 38' R.
0750 " 5' R. & 48' R.
0710 " 11' R. & 41' R.
0700
0760 Creek 15' R.
1700 Creek 40' R.
1750 " 75' R.
2700 " 100' R.
2750 " 95' R.
Base line
Long Lake
105°
90°
0700
0711 Creek 11' L. & 37' L.
0735 " 37' L.
0760 " 54' L.
1700 Creek 54' L.
1750 " 56' L.
2700 " 72' L.
2750 " 77' L.

Proj # 26-04.

Check Levels from Rice Creek
to New Brighton.

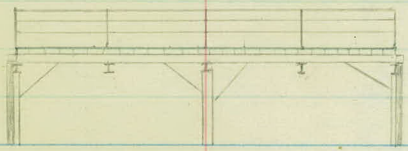
Sta.	+	H.I.	−	Elev.	
B.M.	6.68	875.59		868.91	
	9.33	883.90	1.02	874.57	
	7.87	890.30	1.47	882.43	
B.M.	7.84	897.75	0.37	889.91	
	10.20	907.82	0.13	897.62	
	0.67	903.80	4.49	903.13	
	4.56	898.02	10.34	893.46	
	4.38	898.04	4.29	893.79	
	1.09	893.23	5.92	892.14	
	1.36	881.52	13.07	880.16	
B.M.	4.83	876.34	9.99	871.53	871.49
	5.73	880.57	1.52	874.84	
	7.80	890.25	0.12	880.45	
	8.95	896.31	2.89	887.36	
	9.87	905.82	0.36	895.95	
	2.84	905.79	2.87	902.93	
	0.80	897.01	9.58	896.21	
	2.90	888.50	11.41	885.60	
	4.36	892.44	2.42	886.08	
	3.42	891.17	4.69	887.75	
	3.93	889.35	5.75	885.42	
B.M.			6.35	883.00	882.99

12/7/25

Proj. # 26-04

Rice Creek Bridge.

12/9/25



✓Floor 50 - 3"x 12"x 16' Planks.
✓Wheel Guards 50' of 4"x6" Timbers Lt. & Rt.
✓50' of Iron Guard Rail Lt. & Rt.
Consisting of 3 - 2" Angle Iron Rails Lt. & Rt.
✓3 - 2" Angle Irons Up Rights 4' High Lt. & Rt.
4 - 8" Chanel Iron 25 Ft. Long
✓2 - 6" I. Beams 16' Long.
✓12 - 7" I. Beam Post.
8 - 3"x 4' Δ Iron Braces.
✓10 - 8" I. Beams 25' Long.
✓6 - 6" Chanel Iron 16' Long.

3-2-26

Plans-in-hand Insp.-

Rice Creek Rd.- Proj. 26-04

A.R.B.
H.D.V.K.

104+36- Inp. old 15"X30' ✓too short
Rem. and Pl. 24" P3.- Drains Rt.-

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105 to 106+75 Special Ditch Gr. Lt
to Drain Back.- ✓towards 104+36-

106+95 Lt. Rem. Culv. ✓none necessary

107+43- Rem. 15"X39'C.M. ✓Good Cond.-
P. ~~24~~ 18" P3 - Drains Rt.

113+00 to Bridge G.R. on ✓Rt & Lt.-

Bridge to 115+60 - GR. on Rt ✓& Lt.-

115+73 Rt.- 12"X20'C.M. Rem - ✓F.E.
Pl.- 15"X24'C.M.-

115+50 to 117+00 - Cl. & Br. 7 trees Rt.-
Move Lilac bushes up to farmer ✓

116+50 to 118+25- Lt. Cl ✓& Br. 11 trees.

117+69 - Lt. - Inp 12"X20' GM. Pen. -
Pl. - 15"X24" GM F.E. ✓

Note on Plans. - 110 to End ✓
Power poles on Rt. to be moved.

End.