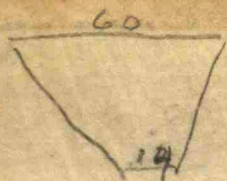


1913

BROOKS ROAD
O.A. STOUT ROAD
MINETT DITCH

McCurti Bridge } Higgins Road
Higgins Bridge }
Sellers Bridge }



191B

57.5

39.5

$$\begin{array}{r} .9 \\ 12 \\ \hline 108 \end{array}$$

$$\begin{array}{r} 11' 11'' \\ 6' 10'' \\ \hline 5' 1'' \end{array}$$

$$\begin{array}{r} 111.90 \\ 3.09 \\ \hline 114.99 \\ 11.65 \\ \hline 103.34 \\ 3.10 \\ \hline 108.44 \\ 2.41 \\ \hline 106.03 \end{array}$$

1

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
M.H.	8.10	108.10		100.00			
L.H.			7.71	100.39			
⊙			1.87	108.23			
	5.62	111.85					
⊙			2.24	109.61			
	5.38	114.99					
1 st Floor			3.09	111.90			
1 st Floor	114.99	3.09	111.90				
⊙	5.10	108.99	11.65	103.34			
⊕			8.41	100.00			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

McCann Bridge ^{middle of} Flat
8' span 18' clear roadway

TT 8.24^{+6"}

5.43 + 2' 6" finished

4.96

8.12

5.33

3.88

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

See 3 THIS IS 2 W
Top Higgins Road
wy

North abutment

50' S

100' S

50' W

100' W

Wings 45°

bedrock 2 rods and gins
Cunningham Cut

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------	------	------	------	------	-------	-------	-----	------

Higgins Bridge ^{new all on}
 6' flat top square

π 1.40 101.40 100

7.70 93.70

8.65 97.75

7.79

4.08

5.41

15' N W
 Higgins Road

BM top wire of wire fence
 of Bridge

bottom downstream

west aboutment present grade

bottom up stream

50' W

50' E

Stream runs North East

give credit for not to
 Cunningham and include
 in estimate

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Refin of Chalk ^{size below} and

7	12.24			100			
				-3"			
				1.82			
				9.30	+6'		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Cre. 84 + 35 16 14
 wing 8 from 5 to con 24'

bed SW con bdy go 4' below
 BM bit of taraper
 top of grade edge of taraper
 bed 24' S

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Sellar Bridge 14' flr
22' roadway EW 31'

A

752

5.94

5.94

6.10

5.92

5.88

5.82

5.62

~~5.28~~

O

11.90

6.00

10.198

7.88

5.64

O

10.67

2.412

8.26

6.96

5.54

3.91

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

top show 45°

Bottom down stream SE
B.M. Rock anchor under wire to
fence running South
E abutment

W "

50' E

100 E

150 E

200 E

W

50' W

100 W

150 W

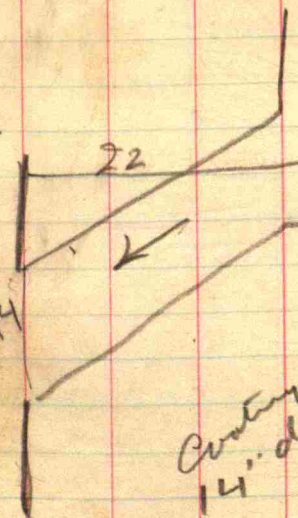
200 W

250 W

300 W

350 W

400 W



Cutting not shown 9'
14" deep

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

2.52

1.27

.08

2.20

4.58

6.10

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

450 W

500 W

550 W

600 W

650 W

700 W

C H

line

of Sewer Danville Sewer

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	1.00	101.00		100.00				C H							
			9.80	91.20				walk							
	5.45	96.65						"							
			9.80	86.85				2nd manhole				9.40	to bottom		
	2.80	89.65						"							
①			12.20	77.45											
②	.55	78.00													
			2.75	75.25				3rd manhole				7.60	to bottom		
			6.15	71.85				4th				6.20	"		
	2.45	74.30													
			4.90	69.40				5th manhole				7.10	to bottom		
			3.80					6th				16.00	"		

4th manhole band

10.90
4.40
16 15.30

2.80
11.40
14.20

Tail line

4.70
11.00
15.70
13.50
2.20

6.70
6.80
13.50

at Sewer

17

Danielle Sewer

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	4.40						+10.90	1st man hole							
			2.80				+11.40	2nd							
			2.10				+9.20	3rd							
	12.40														
			4.70				+11.00	4th							
			6.70				6.80	5th							
	9.10														
			3.60				+6.00	6th							
	8.15														
			5.60				+6.00	7th							
	7.00														
			4.40				+7.00	8th							
	11.40														
			4.60				+11.60	9th							
			2.00				+7.40	Adorn's							
								Heating plant							

18

Wynn Bridge -

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
BM .20				9.60			

9.60

19

Eel River.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Post SW of bridge north walnut bottom							

Post SW of bridge north walnut
bottom

22

Plainfield sidewalks

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
132	lot		134.2				
15'	alley				alley		
66'	lot	}	133.3				
66'	"						
15'	alley						
Unplatted		68'			alley		
		41'			Ed. Robinson		
		41'			Ed. Robinson		
		44'			Ed. Robinson		
12'	alley		240		alley		
33'	lot		35'				
33'	"		35'				
33'	"		35'				
33'	"		35'				
40'	Street		46'		Street		
33'	lot						
33'	"						
33'	"						
33'	"				alley		
12'	alley						
33'	lot		34				
33'	"		34				
33'	"		34				
33'	"		34				

Traction line

Extend walk on Main St East $8\frac{1}{2}$
5' wide

23

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

15' crossing

15' crossing

8' crossing north edge Hanna lot
8' crossing on south edge of
Robinson lot

8' crossing 35' north of st

Crossing 10' long north edge 1 lot
south south line of st7' crossing 3' north of line of alley
8' long

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		10.95			7.90		
		5.35	7.00				
		4.95	5.40	4.60	5.30		
		5.85	4.40	4.00	5.90		
		4.95	5.20	4.60	5.30		
		4.65	5.70	5.10	4.80		
		4.75	5.60	5.00	4.90		
		4.65	5.70	5.20	4.70		
		4.55	5.80	5.20	4.70		
		4.85	7.50	5.00	4.85		
		5.30	5.05	4.50	5.40		
		6.15	4.20	3.80	6.10		
		6.30	4.05	3.60	6.30		
		5.60	4.75	4.10	5.80		
		4.50	5.85	5.40	4.50		
		3.90	6.45	6.00	3.90		
235		3.65	6.70	1.90	4.50		
		6.00					
		3.30	2.70	2.10	3.90		
		2.70	3.30	2.65	3.35		
		2.30	3.70	3.15	2.85		
		2.10	4.00	3.80	2.20		
		1.60	4.40	4.20	1.80		
		1.40	4.60	4.65	1.35		
		1.25	4.75	4.65	1.35		
		1.25	4.75	4.55	1.45		
		1.00	5.00	4.70	1.30		
		1.15	4.85	4.40	1.60		
		.70	5.30	4.30	1.70		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		Guller outlet					
		North end					
		45' south					
		45'					
		44.3					
		15					
		66.87					
		66.6					
		15'					
		68					
		41					
		41					
		41					
		49 White hole					
		12"					
		35"					
		35"					
		35"					
		35"					
		40					
		33					
		33					
		33					
		33					
		17					

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	.81	6.00	5.20	4.50	1.50		
	.35		5.65	5.00	1.00		
	.00		6.00	5.40	.60		
	.25		5.75	5.60	.40		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
34							
34							
34							
34							

Drooks

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0		12.60	2.70	9.90			
B	M 260	26		10.00			
1			2.40	10.20			
2			4.70	7.90			
3			5.50	7.10			
2+50	E		5.80	6.80			
	W		6.00	6.60			
4			5.00	7.60			
5			4.50	8.10			
6			4.70	7.90			
7			3.50	9.10			
8			2.50	10.10			
9			1.60	11.00			
10			1.50	11.10			
10	5.30	16.40					
11			4.50	11.90			
12			5.00	11.40			
13			4.80	11.60			
14			4.40	12.00			
15			4.50	11.90			
16			4.40	12.00			
16+20	E		5.00	11.40			
	W		4.70	11.70			
17			3.60	12.80			

Road

Bruce rock N.E. near

flow east 12"

14 slope South
gate west

12" east

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
18		16.40	2.00	14.40			
19			1.80	14.60			
20			1.40	15.00			
21			.80	16.40			
21	3.20	19.60					
22			3.20	16.40			
23			4.00	15.60			
24			4.70	14.90			
25			4.80	14.80			
24	+7.0	E	5.40	14.20			
		W	5.20	14.40			
26			4.50	15.10			
BM			4.40	15.20			
27			4.00	15.60			
28			3.20	16.40			
29			2.70	16.90			
30			2.40	17.20			
30	30	17.50					
31			1.10	16.40			
32			3.60	13.90			
33			5.20	12.30			
34			6.30	11.20			
34	+8.0	E	6.90	10.60			
		W	7.00	10.50			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

12" cut

Cement block within

Mudstone here cut

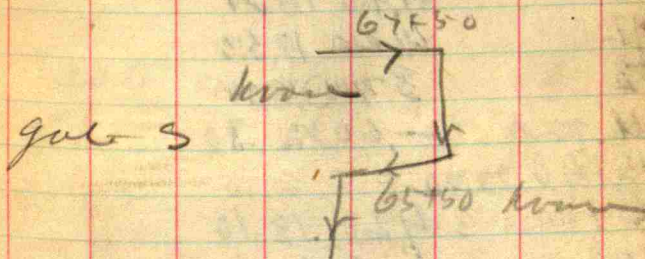
12" cut

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
55	12.40	2.60	9.80				
56		1.60	10.80				
57		2.20	10.20				
57	39.6	14.10					
58		4.40	9.70				
59		4.50	9.60				
60		4.70	9.40				
61		4.70	9.40				
62	3.0	5.60	8.50				
	A	5.60	8.50				
62		4.70	9.40				
63		4.20	9.90				
64		3.00	11.10				
65		2.40	12.10				
65	9.20	21.30					
66		8.50	12.80				
67		8.30	13.00				
68		7.50	13.80				
69		6.60	14.70				
70		4.70	16.60				
71		4.30	17.00				
72		4.50	16.80				
73		4.50	16.80				
74		4.40	16.90				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

55+56 *Down A*

A 12"



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
75	21.30		4.00	17.30			
75	44.0			21.70			
76			4.70	17.00			
77			5.10	16.60			
78			4.50	17.20			
79			4.80	16.90			
79	+12S		5.70	16.00			
	N		5.90	15.80			
BM			5.20	16.30			
80			4.90	16.80			
81			4.20	17.50			
82			3.70	18.00			
gate			-.60	22.30			
"	40			22.70			
83			4.60	18.10			
84			4.50	18.20			
85			4.80	17.90			
85	+60 S		6.50	16.20			
	N		6.40	16.30			
86			4.60	18.10			
87			4.40	18.30			
88			3.90	18.80			
89			3.80	18.90			
90			3.50	18.90			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

77.5 78 from S side

12" fut N
Bruce road

gate south

gate north

18.40
4.90
23.80

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
90	4.90	23.80					
91			4.70	19.10			
92			4.70	19.10			
93			4.60	19.20			
B.M.			.30	23.50			
94			4.40	19.40			
95			4.90	18.90			
96			5.40	18.80			
97			5.40	18.40			
98			5.00	18.80			
99			5.00	18.50			
100			5.20	18.50			
100	3.70	22.50					
101			3.90	18.60			
102			4.40	18.30			
103			4.40	18.10			
104			4.60	17.90			
105			4.90	17.60			
106			5.60	16.90			
B.M.			5.70	16.80			
107			5.80	16.70			
108			5.10	17.40			
109			4.50	18.00			
116			4.46	18.10			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Cor for E

96 + 97 H east

buca men SE Cor E

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
128		21.40	4.40	17.00			
129			3.80	17.60			
129	4.50	22.10					
130			4.60	17.50			
130	+40 E		6.00	16.10			
	W		5.80	16.80			
131			5.00	17.10			
132			4.70	17.40			
133			4.70	17.40			
134			5.60	16.50			
134	W		9.30	12.80			
	E		8.40	13.70			
135			5.50	16.60			
136			4.30	17.80			
136	6.00	23.80					
137			5.00	17.10	18.80		
138			4.70	17.40	19.10		
139			4.30	17.80	19.50		
140			4.10	18.00	19.70		
141			4.10	18.80	19.70		
141	4.40	24.10					
142			4.90	17.50	19.20		
143			5.10	17.30	19.00		
149							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

E 121'

Home work opposite

3' ft

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
143 + 10	24.10		5.80	16.60		18.30	
	E		6.20	16.20		17.90	
144			4.85	17.60		19.20	
145			4.30	18.10		19.80	
145 +			2.70	19.70		21.40	
B.M.			3.30	19.10		20.80	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	W	12					
	X						
	B.M. road SE						

Woodward Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
①	100.50	8.10	92.45				
B/M	300		97.00				
1			8.25	92.25			
2			8.00	92.50			
3			6.50	94.00			
4			5.20	95.30			
4 + 80			2.80	97.70			
5			3.00	97.50			
6			5.10	95.40			
7			6.10	94.40			
8			7.00	93.50			
9			7.70	92.80			
10			7.80	92.70			
11			8.10	92.40			
12			9.20	91.30			
12	670	98.00					
13			5.90	92.10			
13 + 60		W	9.50	89.50			
		E	9.50	88.20			
B/M			1.80	96.30			
14			5.50	92.50			
15			5.50	92.50			
16			5.60	92.40			
17			5.50	92.70			

Union Tp.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Concrete post S W corner

gate east bar

gate east side same side

NW end fence

Public ditch flows east
12' flat to P. L. L. empties on
E side road for north
extends N. way over north

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
18		98.00	4.80	93.20			
19			4.00	94.00			
20			4.20	93.80			
			4.50	93.20			
21			4.30	93.70			
22			4.20	93.80			
23			3.90	94.10			
24			3.30	94.70			
24	9.30	104.00					
25			8.60	95.40			
			7.60	96.40			
26			7.10	96.90			
27			4.90	99.10			
28			3.20	100.80			
29			4.10	99.90			
30			4.70	99.30			
31			4.50	99.50			
32			4.00	100.00			
33			3.10	100.90			
BM			2.00	102.00			
33+20	E		4.20	99.80			
	W		3.90	100.10			
34			2.80	101.20			
35			2.40	101.60			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Gateway Anderson

gate

Rail
No side Req 12" pipe

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
36			1024.00	20102.80			
36			2.70	103.50			
37			210	103.40			
38			3.30	102.20			
39			4.40	101.10			
40			4.80	100.70			
40			4.90	100.60			
40		+30W	5.80	99.70			
41		E	6.20	99.30			
42			5.00	100.50			
43			4.60	100.90			
44			4.70	100.80			
45			3.90	101.60			
46			2.70	102.80			
47			2.70	102.80			
48			2.40	103.10			
48			2.60	102.90			
49			5.70	108.60			
50			5.30	103.30			
51			5.40	103.20			
52			5.50	103.10			
53			5.40	103.20			
B&M			4.84	103.80			
			1.00	107.60			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Bulman gate W

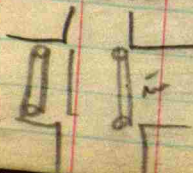
Woodward gate E

15" ϕ 1/2" flow vent

End Fork E S

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
33+		108.60	4.60	104.00			
34			4.70	103.90			
35			4.30	104.30			
36			4.40	104.20			
37			4.00	104.60			
38			4.50	104.10			
38 + 7100			6.30	102.30			
39	2		6.00	102.60			
60			4.40	104.20			
60	7.00	111.80	3.80	104.80			
61			6.50	105.30			
62			5.70	106.10			
63			4.80	107.00			
64			5.80	106.80			
65			7.10	104.80			
66			7.70	104.10			
67			7.40	104.40			
BM			3.50	108.30			

67+5 N. line of road



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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Woodland west gate

west 18" pipe

Cur just 1000 ft

Richard Minett Ditch
 56 Liberty Twp.

LEVELS.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
B.M.	2.58	102.58		100.00			on SW cor S Paragon concrete Bridge
39+94			7.33	95.25			
			12.00	90.58			
39			5.85	96.73			
			11.81	90.77			
38			4.59	97.99			
			11.67	90.91			
37	4.25	101.87	4.96	97.62			
			4.25	97.62			
			10.27	91.60			
36			4.47	97.90			
			10.17	91.70			
35			4.02	97.95			
			10.00	91.87			
34			3.94	97.93			
			9.75	92.12			
33			4.54	92.33			
			9.59	92.28			
32			3.95	98.42			
			9.20	92.67			
31	6.65	105.07	3.45	98.42			
			5.06	100.01			
			12.25	92.32			
30			3.84	101.23			
			12.15	92.92			

Aug 19, 1916

T.R. Harney Inst

H.H. Clay Rod.

Profile 21 1/2, 23 1/2. 57

CROSS SECTIONS *red. 200*

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	R.B.	R.Q.	Bot	L.Q.	L.B.		
39+94	2.85	8.10					20'
	99.73	94.48					
35	4.71	7.00					18'
	97.16	94.89					
30	4.60	8.86					18'

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
56		92.27	4.65	87.62			
			10.45	81.82			
57			5.44	86.83			
			10.30	81.97			
58			5.52	86.75			
			10.90	81.37			
59			5.73	86.54			
			10.80	81.47			
60			5.47	86.80			
			10.90	81.37			
61			5.49	86.78			
			10.80	81.47			
⊙	3.63	90.41	5.49				
62			3.87	86.54			
			10.00	80.41			
63			4.21	86.20			
			10.05	80.36			
64			4.56	85.86			
			10.45	79.96			
65			5.73	84.68			
			10.55	79.86			
66			6.0L	84.35			
			1.085	79.56			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
			5.85	74.6			16'

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
67		90.41	5.98	84.43			
			11.20	79.21			
68			6.00	84.41			
			11.45	78.96			
69			6.10	84.31			
			11.85	78.56			
70			6.31	84.10			
			12.40	78.01			
5	4.55	88.65	6.31				
71			5.08	83.57			
			11.25	77.40			
72			4.92	83.73			
			11.75	76.90			
72 x 30			12.50	76.15			
B.M.			1.42	87.23			

(Bottom)

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
70	3.22		7.34				16'

N. COR N. E Wing

