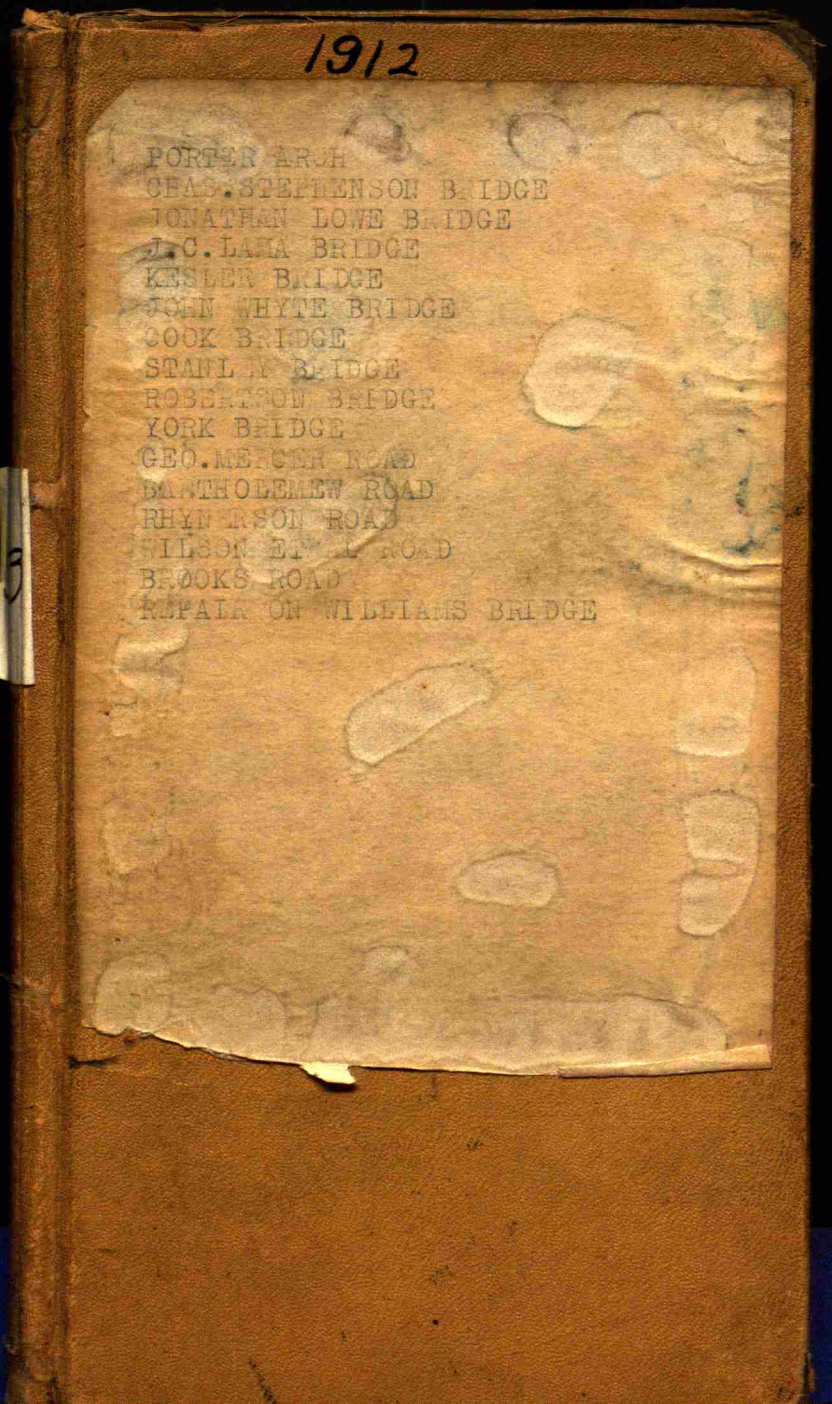


1912

PORTER ARCH
CHAS. STEPHENSON BRIDGE
JONATHAN LOWE BRIDGE
J.C. LAMA BRIDGE
KESLER BRIDGE
JOHN WHYTE BRIDGE
COOK BRIDGE
STANLEY BRIDGE
ROBERTSON BRIDGE
YORK BRIDGE
GEO. MERCER ROAD
BARTHOLEMEW ROAD
RHYNERSON ROAD
WILSON ET AL ROAD
BROOKS ROAD
REPAIR ON WILLIAMS BRIDGE

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
70		70.76		62			
71			9.24	61.72			
72			7.97	63.79			
73			4.36	64.43			
74			.28	76.78			
75	9.65	80.13	7.10	73.03			
76			4.44	75.69			
77	12.32	92.29	.16	79.97			
78			5.26	87.03			
79	5.16	97.85		92.69			
80			3.50				
54	1.30	103.55		105.05			
55			4.02	99.53		102.53	
56			7.40	96.15		99.15	
57			11.84	91.71		94.71	
π	1.30	93.01					
58			6.78	86.23		89.23	
59			12.64	80.36		83.36	
π	.56	80.92					
60			6.46	74.46		77.46	
61			12.20	68.72		71.72	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
π	.56	89.22					
62			5.06	64.16		67.16	
63			8.06	61.16		64.16	
64			8.34	60.88		63.88	

105.05
1.30
106.55
4.02
102.53

106.55
7.40
99.15

106.55
11.84
94.71

94.71
1.30
96.01
6.78
89.23

96.01
12.65
83.36

83.36
.56
83.92
6.46
77.46

83.92
12.20
71.72

71.72
.30
72.22
5.06
67.16

72.22
8.06
67.16

72.22
8.34
63.88

100
11.49
111.49
9.70
101.79

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Porter Arch 6' Span							
Bottom ditch low water							
			11.49				
			9.70				
			2.61				
			2.37				
			1.78				
			.80				
			1.48				
①			2.62				
	6.59						
			3.00				
			1.76				
			2.98				
BM	4.94						

111.49
2.61
108.88

111.49
2.37
109.12

111.49
1.48
110.01

111.49
1.78
109.71

111.49
.80
110.69

111.49
2.62
108.87

11.49
2.61

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
— 22	governed by requirements of grade				6' waterway		
down stream side							
up " side							
top present grade center arch							
50 ft N							
100 ft N			Cuents				
150 ft N							
50 S							
100 ft S.							
150 S							
200 S							

108.87
6.59
102.28
1.76
100.52

102.28
2.98
99.30

102.28
4.94
97.34

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
			9.54				
			9.05				
			1.80				
			2.96				
			3.43				
B.M.			-.02				
			2.43				
			2.64				

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

Chas. Stephen Son Bridge

14' Flat top — 20' Roadway 60° skew E 60° N

bottom downstream

" up "

west abutment

50' W

100' W

top end fast NS ~~rocked~~ ditch fence

50' E

100' E

109.54
3.43
106.11

109.54
1.80
107.74

109.54
2.96
106.58

109.54
2.43
107.11

109.54
2.64
106.90

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL		STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		Jonathan Lowe Bridge														
16' flat																
			11.25	.35					Low water up stream E							
		11.60	11.60	00					" down stream W							
			4.60	7.00					S. abutment							
			4.94	6.66					50' S							
			4.95	6.65					100' S							
BM			.96						top wire first post north ditch on east side							
			4.27	7.33					50'							
			4.10	7.50					100'							

111.25
4.27
106.98

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		J.C. Lamar Bridge					
			12.03				
			1.74				
			1.19				
			11.92				
0			1.72				
	11.76						
BM			9.64			first surface	
			9.38				
			4.42				
			11.40				
			8.72				
			2.72				
	122.07						
	8.77						
	113.30						

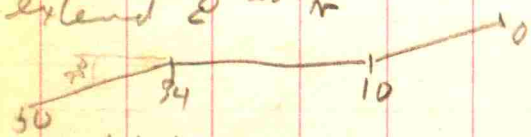
STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
8 — 30							
Bottom down stream side E							
North abutment of arch							
40' N							
~~100' N~~							
Bottom of stream W							
fence post N E bridge						20'	
100 ft N							
150 ft N							
50 ft S			122.07				
			9.38				
100 ft S			112.69				
150 ft S							
200 ft S			122.07				
			4.42				
			117.65				
	110.31		122.07				
	11.76		11.40				
	122.07		110.67				
	9.64						
	112.43						

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL		STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	Pin Hook Pond					80 foot room — 16' wide										
			9.37						Low water							
			6.80						S face to Abutment							
B			2.68	+ 6.00					top to Abutment							
BM			.54						Cottonwood stump to of Cottonwood							
									12" diam to E ea bridge							
			4.80						S Abutment							
			9.12						Bottom down stream							
			9.26						" up stream							
			4.15						50' north							
			1.34						100' "							
			-.04						150' "							
									Wing 45° back							
									AC Kochner							
									955 Ft Wayne Ave							

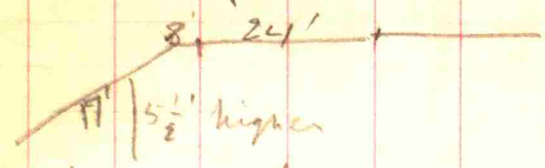
STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	Kesler Bridge						

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

Use loam stone for rip rap
3 dams 15' apart 20' long ½ mm
N wall extended straight W
E 20° N
S wall face under with cement
extend E 20° N



4' deep



4' under 9' above

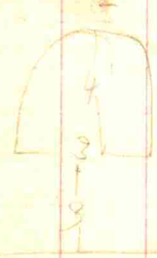
STA.	B. S.	H. I.	F. S.	ELEV.	GRADE	CUT	FILL

John Whyte Bridge
build header abutments & spillway

~~105.14~~
105.14
5.30
99.84
6.10
105.94
5.18
100.76

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

extend [illegible] 18'
20' below the [illegible] old way

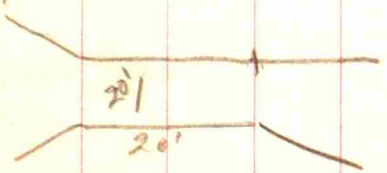


dam 30' long & 30' [illegible]
ending at 2 small [illegible]
2' diam 6" below [illegible]
of same.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	Cook	Bridge		20' flat	top	6' waterway	
BT	.01			100		B.M.	
			7.82				
			7.18				
			6.78				
			4.33				
			3.69				
			2.85				
			4.78				
			3.72				
			2.90				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Short fence post E South water gate							
bottom downstream							
" up "							
present grade w abutment							
50' W							
100' W							
150' W							
50' E							
100' E							
150' E							

Wings

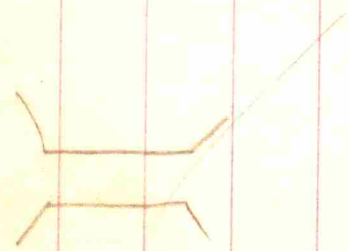


STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Stanley Bridge flat top							
⊼	2.68			100			
			8.68				
			7.67				
			4.68				
			4.42				
			5.44				
			4.80				
			3.16				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
4½' Clear waterway 14' wide							
B.M. Old cut post SE bridge near elm saplings							
bottom down stream							
" N abutment							
50 N							
100 N							
50' S							
100' S							
150 S							
Wings sflayed 30°							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	~~Robertson~~		National		Road		
⊼	2.00		Bridge		22'		
			9.44				
			9.12				
			5.12				
			5.84				
			5.83				
			5.30				
			5.06				
			5.06				
			4.92				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
outline			14' clear span				⊥
BM large fort SE bridge							
bottom down stream							
" up "							
W abutment + 1'							
50' E							
100 E							
150 E							
50 W							
100 W							
150 W							



1.65

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Sabitha E York							
E Stilesville Bridge							
6' span			4' clear				
π	1.65			100			
			7.13				
			6.98				
			3.50				
			3.22				
			2.92				
			3.14				
			2.50				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
National Road					30' long		
wing parallel to road							
Post SW bridge Cove garden							
bottom down stream							York
"		ref	"				
W abutment							
50' E							
100 E							
50 W							
100 W							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
$\bar{\pi}$	11.72						
			6.64				
			.15	+ 6"			
0	.64		3.48			+ 1' clear	

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

bottom center road

high water

14' roadway above high water
wings sloped back to property
line 10' in ground below
So abutment 150' steel
bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
$\overline{\pi}$	11.72						
			6.64				
			.15	+ 6"			
0	.64		3.48			+ 1' clear	

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

bottom center road

high water

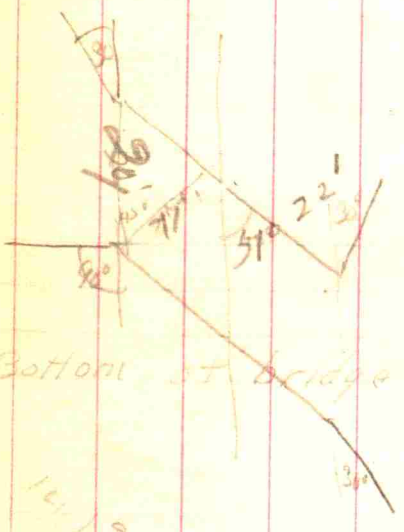
14' roadway above high water

wings sloped back to property line 10' in ground below

So abutment 150' steel bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Bridge			118+60				
arch			9' rise			24'	
0+53 Pr	51° 22' W			53'			
1 def R			44°	35'			
2+64							
BM	1.70	44.32		42.62			
0+53			4.90	39.42	35.32	4.09	
1			4.32	40.00	35.25	4.75	
2			4.19	40.13	35.10	5.03	
2+67			6.54	37.78	35.00	2.78	
4			9.14	35.18			
			9.85	35.47			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Mercer Road							
Span			45° skew				



7071 cos 45°
24
28284
14142
169704

Bottom of bridge at Sta 119

Bottom of ditch at N. end
" " " S.

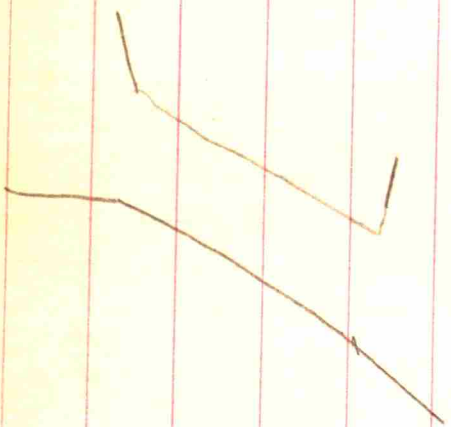
35.40
.5
2.64 4.00
264
1360
1320
40

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Bridge 141+70							
5+39							
38° 10' Deft. L							
4+62							
0+48							
144+66							
Stream S60°W							
B.M				25.77			
	4.58	30.35					
			10.80	19.55	19.55	—	
4+62			7.22	23.13	19.92	3.21	
4			6.61	23.74	20.22	3.52	
3			5.62	24.63	20.71	3.92	
2.0			5.63	24.72	21.18	3.54	
	7.81	32.53					
1			7.15	25.38	21.67	3.71	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
flat Top 18' clear span 6' clear waterway							
18/20 = 0.00 shown							
1							
147 Stat.							
Opposite 5+39							
0+48			6.36	26.17	21.92	4.25	
			10.37	22.16	Bottom at 0		
0			6.10	26.43	22.16	4.27	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	144+30	Geo Mercer Road					

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	30' arch					45° skew	
	9' clear waterway						



Bartholomew

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
BM	.46	99.54		100			
0			4.60	94.94	94.94		
1			4.81	94.73	95.23		.50
2			4.80	94.74	95.53		.79
3			4.34	95.20	95.82		.62
4	5.29	101.48	3.34	96.20	96.12	.08	
5			5.70	95.78	96.41		.63
6			5.06	96.42	96.71		.29
7			4.90	96.58	97.00		.42
8	5.12	102.20	4.42	97.08	97.30		.22
9			4.59	97.61	97.61		
10			4.70	97.50	97.49	.01	
11			4.86	97.34	97.37		.03
12	3.69	100.95	4.94	97.26	97.26		
13			4.10	96.85	96.84		.29
14			4.70	96.25	96.43		.18
15			3.60	95.35	96.02		.67
16	4.06	99.41	3.60	95.35	95.61		.26
17			4.60	94.81	95.61		.81
18			4.78	94.63	95.61		.98
19			4.77	94.64	95.61		.97
20+00			3.67	95.74	96.61		.87
BM 2	2.47	98.08	2.80	96.61	96.61		
21			4.62	94.46	96.07		1.61

Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Top of east post SW cor.							
Floor of Concrete bridge							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
22		99.08	4.97	94.11	95.00		.89
23			5.20	93.88	95.00		1.12
24 @	5.32	99.10	5.30	93.78	95.00		1.22
25			5.25	93.85	95.00		1.15
26			5.08	94.02	95.00		.98
26+60			8.02	91.08	Ditch bottom		
27			5.14	93.96	95.00		1.04
28 @	5.30	98.90	5.30	93.60	95.00		1.40
29			5.24	93.66	95.00		1.34
30			4.88	94.02	95.00		.98
31 @	6.10	100.30	4.70	97.20	95.42		1.22
32			5.75	94.55	95.84		1.29
33			5.18	95.12	96.26		1.14
34			4.88	95.42	96.68		1.26
35 @	5.95	101.77	4.48	95.82	97.09		1.27
36			5.47	96.30	97.51		1.21
37			4.56	97.21	97.93		.72
38			4.45	97.32	98.35		1.03
39 @	5.17	103.05	3.89	97.88	98.77		.89
40			4.69	98.16	99.18		1.02
41			3.95	99.10	99.60		.50
42			3.16	99.89	100.02		.13
43	5.25	105.46	4.84	100.21	100.44		.23
44			4.74	100.72	100.86		.14

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

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
B.M.		105.46	4.21	101.25			
45			4.18	101.28	101.28	—	
45+10			9.82	95.64	Ditch bottom		
46 ⊙	6.03	107.01	4.48	100.98	102.19		1.21
47			4.94	102.07	103.10		1.03
48			4.50	102.51	104.02		1.51
49 ⊙	7.10	110.51	3.60	103.41	104.93		1.52
50			4.66	105.85	105.85	—	
50			9.66	100.85	Ditch bottom		
51			4.06	106.45	106.87		.42
52 ⊙	7.24	114.45	3.30	107.21	107.90		.69
53			5.76	108.69	108.92		.23
54			3.75	110.70	109.95	.75	
55	6.82	117.88	1.39	111.06	110.97	.09	
56			5.16	112.72	112.00	.72	
57			2.99	114.89	114.50	.39	
58 ⊙	4.02	121.14	.76	117.12	117.00	.12	
59			3.73	117.41	117.00	.41	
60			4.09	117.05	117.00	.05	
61			3.55	117.59	117.00	.59	
62 ⊙	3.62	121.43	3.33	117.81	117.00	.81	
63			3.80	117.63	117.00	.63	
64			3.93	117.50	117.00	.50	
65			3.49	117.94	117.00	.94	

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

Stone Car sec

flow S.E. 8' flat top

14' flat top

From sta 50 back to sta 45+10 road as far north as possible 8'

level between 58+59 Port Pheas house

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
66	2.90	120.60	3.73	117.70	117.00	.70	
67			3.50	117.10	116.59	.51	
68			3.70	116.90	116.17	.73	
69	2.72	119.39	3.93	116.67	115.76	.91	
70			3.58	115.81	115.34	.47	
71			4.47	114.92	114.93		.01
71+44			4.64	114.75	114.75		
71+31			5.78	113.69	Ditch bottom		

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

12" tile L shaped heaters

typical cross section W² rei

5.18
5.30
2)1.048
5.24
3.59
1.65

Phenderson

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
B.M	2.95	102.95		(100.00)			
0			3.12	99.83	99.83		
0+25			5.90	(97.05)			
1			3.79	99.16	99.27	.11	
2			4.29	98.66	98.71	.05	
3			4.80	98.15	98.15		
4			5.04	97.91	98.12	.21	
5⊙			5.15	97.80	98.09	.29	
	4.80	102.60					
6			4.53	98.02	98.06	.04	
7			5.16	97.44	98.03	.59	
7+45			6.55	(96.05)			
8			4.61	97.99	97.99		
9			5.15	97.45	97.29		.16
9+75			10.50	(92.10)			
10⊙			7.55	95.05	96.59		1.54
	5.70	100.75					
11			5.35	95.40	95.89		.49
12			4.95	95.80	95.19	.61	
B.M			5.15	(95.60)			
13			6.02	94.73	94.49	.24	
14⊙			7.21	93.54	93.79		.25
	3.55	97.09					

Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Top of E. header							
Ditch bottom S.E. corner 12" ⊥ to road							
12" pipe							
Boiler shell to go in from old sewer 0-10 roadway to be 15' N. of N. line							
Big rock near Stat. 12 on N. side of road							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
15		97.09	4.46	93.63	93.09	.54	
16			4.91	92.18	92.40		.22
16+10			6.52	90.57			
17			5.24	91.85	92.40		.55
18			5.15	91.94	92.40		.46
19⊙			4.63	92.46	92.40	.06	
	1.47	93.93					
20			2.09	91.84	91.05	.79	
21			3.24	90.69	89.70	.99	
21+65			1.76	92.17			
22			7.71	86.17	88.35		2.18
23⊙			10.49	83.44	87.00		3.56
	8.85	92.29					
23+85			8.80	83.49			
24			8.65	83.64	87.00		3.36
25			7.32	84.97	87.00		2.03
26			4.20	88.09	87.40	.69	
27			2.95	89.34	87.80	1.54	
28⊙			.44	91.85	88.20	3.65	
	3.16	95.01					
29			3.26	91.75	88.60	3.15	
30			4.81	90.20	89.00	1.20	
31			5.22	89.79	89.00	.79	

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

12' pipe Old wooden box culvert

5.40
1.35

21+50 cor of grave yard
yard is 24' long
Level of yard
Concrete footing to be put in

Top of boiler shell 5' x 20' long
8' flat top

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
32		95.01	5.73	89.28	89.00	.28	
330			6.00	89.01	89.00	.01	
	4.68	93.69					
34			4.80	88.89	89.00		.11
35			4.21	89.48	89.00	.48	
36			5.20	88.49	87.87	.62	
37			6.98	86.71	86.74		.03
380			8.21	85.48	85.61		.13
	3.55	89.03					
39			4.56	84.47	84.47		
B.M.			4.79	84.24			
40			5.05	83.98	84.49		.51
410			5.35	83.68	84.52		.84
	5.17	88.85					
42			5.79	83.06	84.55		1.49
43			5.05	83.80	84.58		.78
44			4.60	84.25	89.60		.45
450			3.45	85.40	85.48		.08
	7.09	92.49					
46			6.35	86.14	86.16		.02
47			5.10	87.39	86.84	.55	
48			5.05	87.44	87.52		.08
490			4.10	88.39	88.00	.39	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		453					
		1.13					
		13					
		.026					
		390					
		.68					

Corner stone where road turns N.
15" pipe 15' N. of stone.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	5.51	93.90		88.39			
50			5.35	88.55	88.00	55	
51			5.18	88.72	88.00	.72	
52 ⊙			6.61	87.29	85.00	2.29	
	3.47	90.76					
53			4.79	85.97	82.00	3.97	
⊙			12.26	78.50			
π	.56	79.06					
54			1.65	77.41	79.00		1.59
55			5.20	73.86	76.00		2.14
56			6.16	72.90	73.00		.10
B.M			6.57	72.49			
57 ⊙			7.71	71.25	73.00		1.75
	6.95	78.20					
58			6.23	71.97	73.00		1.03
59			5.55	72.65	73.00		.35
60			4.51	73.69	75.99		2.30
61 ⊙			3.32	74.88	78.98		4.10
	11.12	86.00					
62			8.20	77.80	81.97		4.17
63 ⊙			2.23	83.77	84.96		1.19
	11.40	95.17					
64			5.05	90.12	87.95	2.17	
⊙			3.16	92.01			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
51+50	12	pipe					
Top of pump							
"				Floor W side			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
π	4.96	96.97		92.01			
65			4.93	92.04	90.00	2.04	
66			5.05	91.92	92.00		.08
67			4.47	92.50	93.06		.56
68⊙			3.26	93.71	94.12		.41
	6.00	99.71					
69			4.30	95.41	95.20	.21	
70			4.84	94.87	94.79	.08	
71			5.33	94.38	94.38		
71+15			4.33	95.38			
72⊙			5.39	94.32	94.16	.16	
	4.80	99.12					
73			5.07	94.05	93.94	.11	
74			4.87	94.25	93.72	.53	
75			5.97	93.15	93.50		.35
76			6.45	92.67	93.28		.61
76+70			8.04	91.08			
77⊙			6.48	92.64	93.06		.42
	4.50	97.14					
78			4.30	92.84	92.84		
79			5.15	91.99	92.69		.70
80			6.00	91.14	92.54		.40
81⊙			3.26	93.88	92.39	.49	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Tilden stone 68-69							
S. rail CH. & D							
12" pipe.							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	5.15	99.03		(93.88)			
82			5.21	93.82	92.24	.58	
83			5.31	93.72	92.09	1.63	
84			5.65	93.38	91.94	1.44	
850			8.85	90.18	91.79		1.61
	4.71	94.89					
85+65			8.90	(85.99)			
86			6.59	88.30	91.64		3.34
87			5.40	89.49	91.49		2.00
88			3.98	90.91	91.34		.43
89			2.75	92.14	91.17	.97	
900			2.65	92.24	91.00	1.24	
	3.58	95.82					
91			3.56	92.16	90.00	2.16	
91+90			9.24	(91.58)			
92			6.58	89.23	89.00	.23	
92+90			2.55	(85.27)			
93			9.02	86.79	88.30		1.51
13.M			3.36	(92.46)			
			8.65	87.17			
94			9.20	86.62	87.60		.98
94+94			8.53	87.29	87.29		
			7.70	(88.12)			
93+65			11.90	83.92			

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

2' boiler now is 18' long
lengthen and put in headers

1.84
15

Hughes gate

2.9 1.71

barn

Top of E post of gate at S.E cor
50' E on Arbuckle Road

End
25' W on Road
B. at stream

Estimate of Cost of T D Reynierson Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Grading							
5540 yd							
Metal Sewers							
Arch Culvert							
Retaining Wall							
Flat top Bridge							
Shaping Grade 9444 yd							
Rolling							
Sprinkling							
Stone 15-744 yd							
Gravel 15-744 yd							
Attorney							
Engineer							
Supt							
Advertising							
Bonds							
Viewers							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	25 ¢					1385	00
						383	10
						184	
						56	
						300	
						175	
						225	
						100	
						3216	
						3019	
						150	
						125	
						100	
						200	
						30	
						30	
						$9668	10
1070						966	80
						10634	90

Estimate on

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Grading 3244 yd for							
Metal Sewers							
Flat top bridges							
Tile Ditches 281 rod 4"							
Shaping grade							
Rolling							
Sprinkling							
Stone 1400 yd							
Gravel 992 yd							
Attorney							
Engineer							
Supt							
Advertising and Auditor							
Bonds							
Viewer							

H S Bartholomew Roy

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Side 15¢					486.60		
					30.00		
26+60 28 yd $9.00					250.00		
45+10 35 yd $8.50					300.00		
50 42 yd 8.00					336.00		
50¢					140.00		
					300.00		
					200.00		
					100.00		
					3640.00		
					992.00		
					150.00		
					150.00		
					75.00		
					200.00		
					50.00		
					80.00		
					7429.60		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		19.00	2.40	16.60			
		—	2.40	21.40			
			7.00	12.00			
			19.00	00			
			10.90	8.10			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
On Road							
top Holman S gate fork							
Creek bank							
Creek water							
branch bottom							

Cornett

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Cen Sec 27							
			piece of roof				
			NW cor post				20'
			SW "				22'
E¼ mi Sec 28			Stone				
			Red oak				
			Brace rock				
			Rock				
15' south of post							
NW Cor log house							
S 35 E .75 ch							
Bwal 22" S 65 W .61 ch							
84, 86, + 88 drive a							
Catalpa 16 N 70 W 54 ft							
SW cor crib N 75 E 69 ft							

7711
5177
2534

10355
7711
2644

Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
12' long							
Sta 26 + 38							
grown together				S 50 E	27'		
17'							
27'							
		51 + 77					
		77 + 11					
		90 + 29					
S side				Brace 28 N 2° E 8.7 ch			
		103 + 53					
		107 + 30					

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0		100.00	.70	99.30			
1			3.80	96.20			
2			7.40	92.60			
3			11.00	89.00			
3+40	N		16.40	83.60			
	S		16.50	83.50			
BM			10.60	89.40			
4			10.80	89.20			
5			8.70	91.30			
6			5.90	94.10			
6	5.00	99.10					
7			3.40	95.70			
8			3.10	96.00			
9			3.20	95.90			
10			3.60	95.50			
11			4.90	94.20			
12			6.80	92.30			
13			8.60	90.50			
14			11.10	88.00			
⊙			12.10	87.00			
⊙	1.25	88.25					
15			2.60	85.65			
16			4.80	83.45			
17			7.00	81.25			

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

At heads of culvert flow south
Culvert 14' long length to 24
5' span 4' waterway

3
2

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
18		88.25	8.70	79.55			
19			10.10	78.15			
20			11.80	76.45			
20	.65	77.10					
21			2.90	74.20			
22			6.10	71.00			
23			8.00	69.10			
BM			7.20	69.90			
23+75		A	11.60	65.50			
		S	11.50	65.60			
24			7.70	69.40			
25			6.00	71.10			
26			4.30	72.80			
BM			2.60	74.50			
BM	5.80	80.30					
27			5.60	74.70			
28			4.30	76.00			
29			4.50	75.80			
			5.60	74.70			
29			4.95	75.40			
30			5.10	75.20			
31			5.20	75.10			
			5.10	75.20			

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

At header of culvert south
Culvert 14' long 4' arch
3.5' waterway

brace rock at side road

Cornett gateway

two stakes marked 29

Cornett [illegible] gate

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
32		80.30	8.50	71.80			
⊙			11.15	69.15			
⊙	00	69.10					
33			4.10	65.00			
⊙.			12.30	56.80			
⊙	.65	57.50					
34			1.10	56.40			
35			9.30	48.20			
36			12.50	45.00			
37			12.70	44.80			
BM			6.40	51.10			
38			9.20	48.30			
			8.70	48.80			
39			12.70	44.80			
40			10.20	47.30			
41			6.70	50.80			
42			.60	56.90			
42	12.80	69.70					
43			7.30	62.40			
44			5.90	63.80			
44 +10	S		8.20	61.50			
	N		9.60	60.10			
45			4.10	65.60			
⊙			.60	69.10			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
E end S parapet bridge							
Crown of bridge							
16" ear fuse no in 16' long							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
①	11.15	80.30					
46			9.40	70.90			
47			2.30	78.00			
①			.00	80.30			
①	12.35	92.60					
48			10.90	81.70			
49			6.70	85.90			
50			3.50	89.10			
51			2.80	89.80			
BM			3.25	89.40			
BM	8.20	97.60					
52			7.70	89.90			
53			6.60	91.00			
			5.50	92.10			
54			4.90	92.70			
			5.20	92.40			
55			5.60	92.00			
56			6.90	90.70			
			7.90	89.70			
			8.90	88.70			
57			10.80	86.80			
57	2.40	88.50					
58			7.20	81.60			

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

Brace rock East side 1 foot

Bridge gate

" barn gate

Gateway north barn gate

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		88.80					
58+50			11.70	77.10			
	S		12.90	76.90			
59			6.0	82.80			
60			5.1	83.70			
61			5.2	83.60			
61			4.1	84.70			
61+30			3.8	85.00			
	S		4.0	84.80			
62			2	86.70			
63			—	89.00			
63	12.30	101.30					
64			9.4	92.10			
65			7.4	94.10			
66			5.4	96.10			
67			3.2	98.30			
68			1.3	101.20			
69			.70	101.80			
70			.80	101.70			
71			1.20	100.30			
71	3.60	103.90					
72			4.30	99.60			
73			4.60	99.30			
74			4.80	99.10			
75			5.60	98.30			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
2 line	18" sewer tile in						
flow S	6' arch						
	old sewer tile at 60.						
two stubs	marked 61						

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
76		103.90	5.70	98.20			
77			5.50	98.40			
78			5.00	98.90			
79			6.60	97.30			
79	2.10	99.40					
80			5.70	93.70			
80	+30 N		7.00	92.40			
	S		9.70	89.70			
81			5.50	93.90			
82			5.70	93.70			
83			11.00	88.40			
83	1.75	90.10					
84			10.70	79.40			
84	-15	79.20					
85			6.00	73.20			
BM			4.70	74.50			
			6.70	72.50			
86			7.00	72.20			
87			6.70	72.50			
88			1.50	77.70			
88	12.80	90.50					
89			2.80	87.70			
[illegible]			.30	90.20			
0	11.40	101.60					

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
L headers 7 7							
pipe already in							
12" pipe south							
E end N parapet							
bridge floor							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
90		101.60	5.80	95.80			
BM			4.50	97.10			
91			2.60	99.00			
92			.50	101.10			
93			.25	101.40			
93	360	105.00					
94			2.70	102.30			
95			8.70	96.30			
⊙			12.50	92.50			
⊙	280	95.30					
96			4.60	90.70			
97			6.60	88.70			
97		lt	8.80	86.50			
		S	9.30	86.00			
98			5.70	89.60			
99			1.20	94.10			
100			2.20	93.10			
100 + 50 lt			3.70	91.60			
	S		3.70	91.60			
101			.70	94.60			
101	1300	107.60					
102			11.30	96.30			
103			2.50	105.10			

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

Corner stone

2 line 10' Sewer pipe concrete in 18" pipe

Concrete abuts wooden top in 8' arch.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		107.60	1.80	105.80			
⊙			.50	107.10			
⊙	11.40	118.50					
BM			10.30	108.20			
104			8.70	109.80			
			4.20	114.30			
105			3.70	114.80			
106			2.30	116.20			
107			1.40	117.10			
108			.50	118.00			
108	8.60	126.60					
109			7.60	119.00			
110			7.00	119.60			
111			6.10	120.50			
112			5.30	121.30			
113			3.80	122.80			
114			4.10	122.50			
115			4.00	122.60			
116			3.70	122.90			
BM			3.40	123.20			
BM	1.20	124.40					
117			1.60	122.80			
118			2.90	121.50			
119			4.10	120.30			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Electric barn gate							
Cor stone							
Electric yard gate 104+50							
Cor stone							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
120		124.40	4.70	119.70			
120 + 20		N	6.90	117.50			
		S	7.30	117.10			
121			4.50	119.90			
122			3.70	120.70			
123			3.40	121.00			
124			5.40	119.00			
124	1.40	120.40					
125			3.50	116.90			
126			5.70	114.70			
127			7.70	112.70			
127 + 70		N	11.30	109.10			
		S	11.00	109.40			
128			8.40	112.00			
129			6.10	114.30			
⊙			3.60	116.80			
⊙	8.35	125.20					
130			3.60	121.60			
BM			1.80	123.40			
			8.70	116.50			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
12" cor pipe 16' long South							
Spoil at crossing 100' S							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Excavation 12900 yd							
Culvert 3+40 20 yd							
" 23+75 14 yd							
" 58+50 40 yd							
" 100+50 32 yd							
" 127+70 32 yd							
Headers + concrete pipe 40 yd							
Iron pipe							
5300 yd stone							
Hauling + Spreading							
Rolling + grading 13200 ft							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
25					3	250.00	
9.00						180.00	
9.00						122.00	
8.50						340.00	
						260.00	
						260.00	
						400.00	
						25.00	
	1.10					5830.00	
	.40					2120.00	
2.00 per 100'						264.00	
						13051.00	
						1305	
						14356	

1

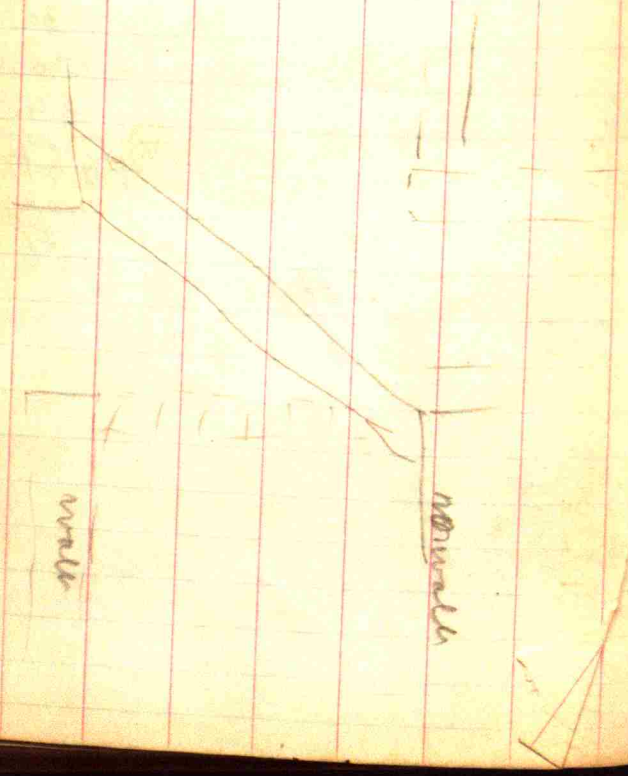
Wendling Road — Eel River

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

723' [illegible]

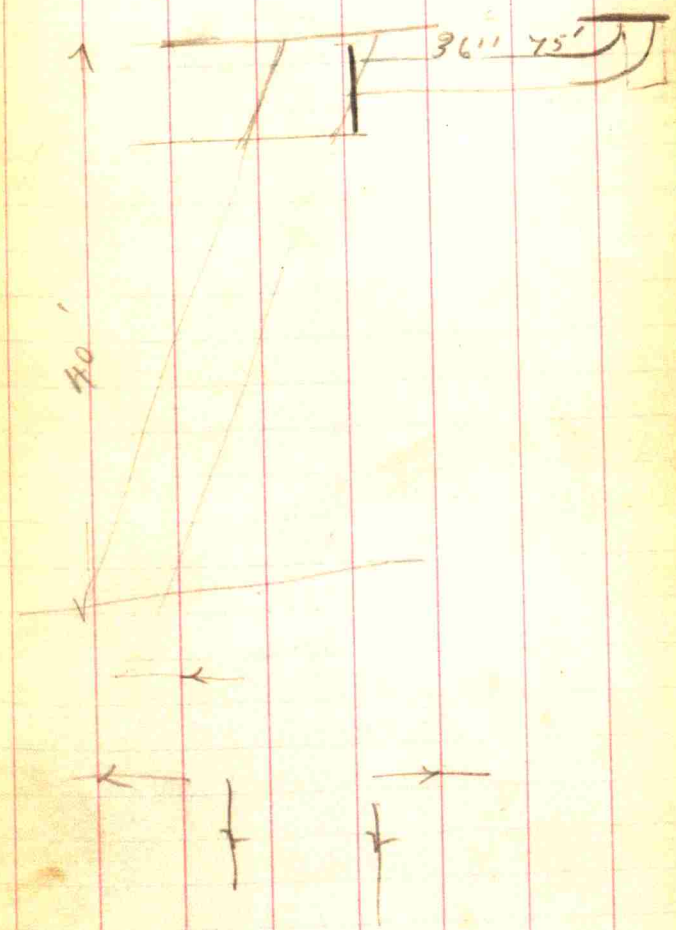
W walk 22' north E
McKinley St

Burn Side Pearl St 5'
walk 5'



2

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



Wendling Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0		103.50	5.15	98.35			
			6.50	97.00			
			6.60	96.90			
			5.70	97.80			
			3.60	99.90			
			.50	103.			
1			3.80	99.70			
B.M.			3.50	100.00			
1+40			3.95	99.55			
2			4.90	98.60			
2+69			7.80	95.70			
3			9.60	93.90			
3	.00	93.90	3.50	90.40			
4			4.30	89.60			
5			4.90	89.00			
5+20	S		9.90	84.00			
	It.		10.20	83.70			
			5.80	88.10	Comp. Id		
			9.50	84.40	Head of		
6			5.70	88.20			
7			2.70	91.20			
X-723			2.70	91.20			
			4.40	89.60			
			2.50	91.40			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
OH line between Con			Culvert 200' west and Corstone 2+69				
100' west							
200' "							
300' "							
400' "							
500' "							
Wend J. Buuttens walk							
St intersection - South							
Cut 2.5'							
Stone —							
St intersection S fill 2'							
old brick abuts in good condition							
drains 100A rolling land. Slope							
S 15° W							
Sewer pipe							
100' east							
& end west walk							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	.00	91.40					
			.25	91.15			
			W. walk	Cen	E walk		
8			91.00 .40	90.30 1.10	90.55 .85		
8+64 to 8+78			87.95 3.45				
8+84 to 8+93					86.55 4.85		
9			86.80 4.60	85.30 6.10	86.10 5.30		
9+38			85.30 6.10				
9+62					84.25 7.15		
10				83.25 8.15	83.40 8.00		
10+26							
10+27							
				82.80 8.60			
10+56							
				82.50 8.90			
	3.50	86.00					
11			82.50 3.50	82.25 3.75			
11+84 to 11+94				81.60 4.40			
12			81.50 4.50	81.00 5.00			

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

N end west walk
N end east walk — Put in
crossing 4' wide

Crossing for drive west side
alley crossing east side returns in

End of walk west side
End of curb east side

South edge walk east
north edge walk west
Bridge floor street intersection
north edge walk both east + west
Curb returns on east
Curb return to cor west. Curb
stand at crossing on west and east
no walk on east
Center of crossing
"

alley crossing make swine on
east

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
13		86.00	W walk Cen	E walk			
13			80.80	80.75			
			5.20	5.25			
13+16							
13+20							
13+49							
13+53			80.10				
⊙			5.90				
⊙	3.25	83.35	80.10	79.80	79.95		
14			3.25	3.55	3.40		
14+75 +14+85			80.00		79.75		
			3.35		3.35		
15			79.80	79.65	79.65		
			3.55	3.70	3.70		
16			78.90	79.00	79.05		
			4.45	4.35	4.30		
16+6				79.85			
				4.50			
16+10							
16+40							
16+44							
17			78.15	78.15	78.55		
	3.00		3.20	3.20	4.80		
				77.70			
17+65		80.70		3.65			
17+75							
18			77.45	77.30	77.75		
			3.25	3.40	2.95		
18+95 to 19+31			79.80	13.70			
19			76.80	76.65	76.75		
			3.90	4.05	3.95		

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

N edge walk east
S " " " See page 9
N edge walk east
S " " "

alley crossings both east & west

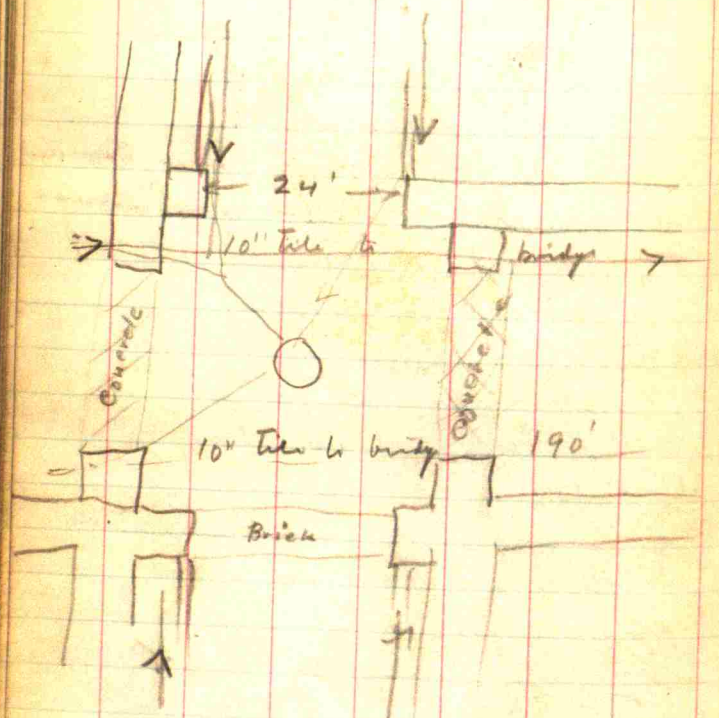
N edge crossing
S " " See p 10
N " "
S " "

N edge alley crossing to west
S " "
none on east unplatted

Street Crossing to west

9

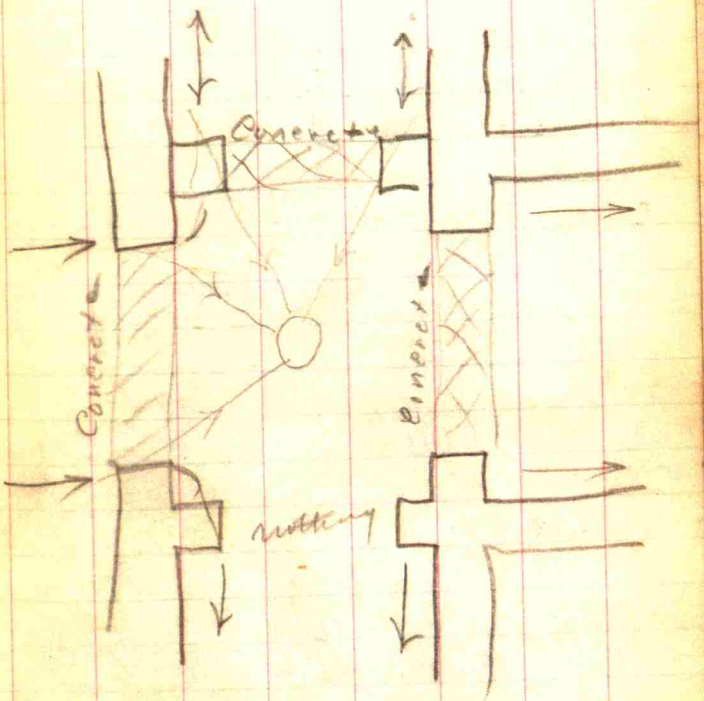
STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL



Monument #1

10

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



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		80.70	W walk	Curb	F. walk		
			75.82	75.60	75.95		
20			4.88	5.05	4.75		
				75.05			
18+65 to 18+75				5.65			
				75.75			
20+15 to 20+26				4.95			
				75.45			
20+52 to 20+62				5.25			
			75.50	75.20	75.55		
21			5.20	5.50	5.15		
	4.45	80.00					75.60
			75.70	75.20	75.60		74.31
22			4.60	4.80	4.40		
22+8							
22+14							
			75.15				
⊙			4.85				
22+30							
⊙	2.20	77.35					
23			2.80	74.55			
24			4.45	72.90			
25			5.60	71.75			
25+76							
25+20 L			8.30	69.05			
S			8.60	68.75			
			10.70	66.65			
26+16			4.90	72.45			
26+8							
26+12							

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

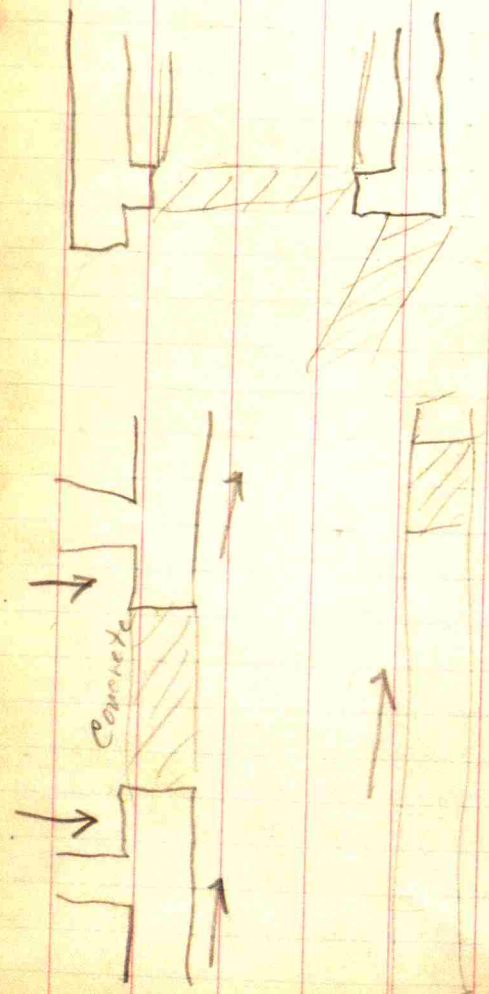
gateway on east
" " "
alley crossing to west

End east walk curb return
" west " " "
pin
road turns eastward

road turns north
Sink north
" north
Outlet south of Ry
Crossing " See P. 13
end walk west side
" " east side

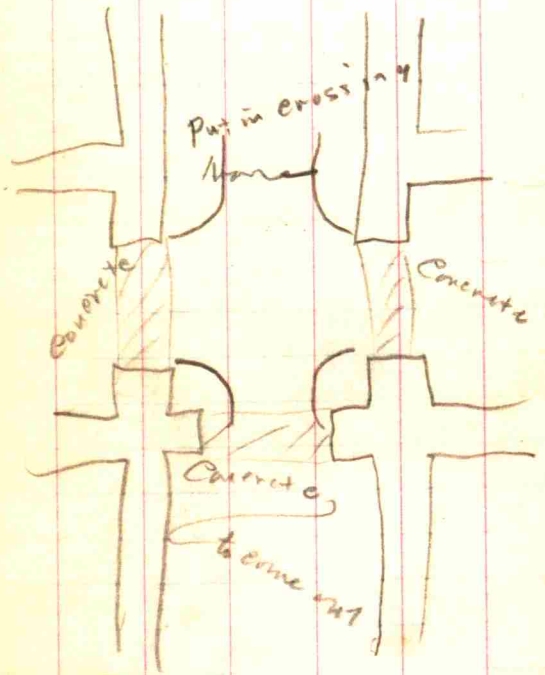
13

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



14

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



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	6.65	79.10					
			72.60 6.50				
			W. Wall	Cen	F Wall		
27			73.80 5.30	74.20 4.90	73.70 5.45		
27+57							
27+67				74.85 4.25			
27+67							
27+77				74.50 4.60			
28			75.35 3.75	75.55 3.55	74.85 4.25		
28+24 to 34			75.80 3.30				
28+40 to 50					75.35 3.75		
	6.70						
29		82.50	76.60 5.90	77.22 5.28	76.05 6.45		
29+2 to 12							
30			77.50 5.00	78.15 4.35	76.80 5.70		
31			76.80 5.70	77.35 5.15	76.65 5.85		
31+32							
31+36				76.60 5.90			
31+66							
31+70				76.45 6.05			
				76.20 6.28			
31+75 to 87				75.40 7.10			
	6.95	82.35					
32			76.40 5.95	76.00 6.30	75.30 7.05		

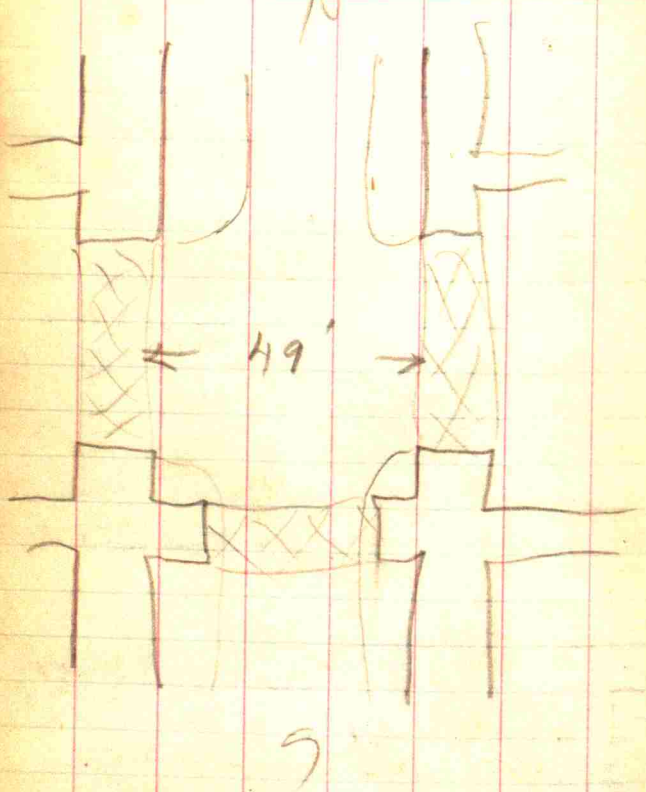
STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Crossing							
Cast crossing							
Send crossing west side							
Ir " " " "							
S " " east "							
Ir " " " "							
Crossing west side							
" east "							
Gateway west side							
S side wall west							
Ir " " "							
S " " "							13
Ir " " "							
West crossing							
Gateway east side							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
32+58		82.35	W walk	Cen	E walk		
					75.33		
32+93 & 33+3			76.15	76.30	75.55		
33			6.20	6.05	6.80		
34			77.25	77.85	76.35		
			5.10	4.50	6.00		
34+24 & 28							
34+58 to 62				77.75			
				4.60			
				77.70			
				4.65			
				77.10			
				5.23			
35			78.20	78.70	77.50		
			4.15	3.65	4.85		
	38	84.05			78.50		
35+85 & 95			5.05		5.55		
36			79.15	79.55	78.60		
			4.90	4.50	5.45		
37			80.35	80.70	79.70		
			3.70	3.35	4.35		
37+16 & 20							
37+49 & 53				80.50			
				3.55			
				80.65			
				3.40			
				80.15			
				3.90			
38			81.90	81.45	81.10		
			2.15	2.60	2.90		
	6.90	88.80					
39			83.80	83.30	83.25		
			5.00	5.55	5.55		
40			86.25	86.35	85.75		
			2.55	2.45	3.05		
			86.75				
			2.05				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
4 gutter drains into bridge crossing & side							
South walk both east & west							
North " "							
South end crossing							
West "							14
East "							
Alley crossings both east & west							
South walk both east and west							
N " " " " "							
S crossing							
W "							
E "							
East end							

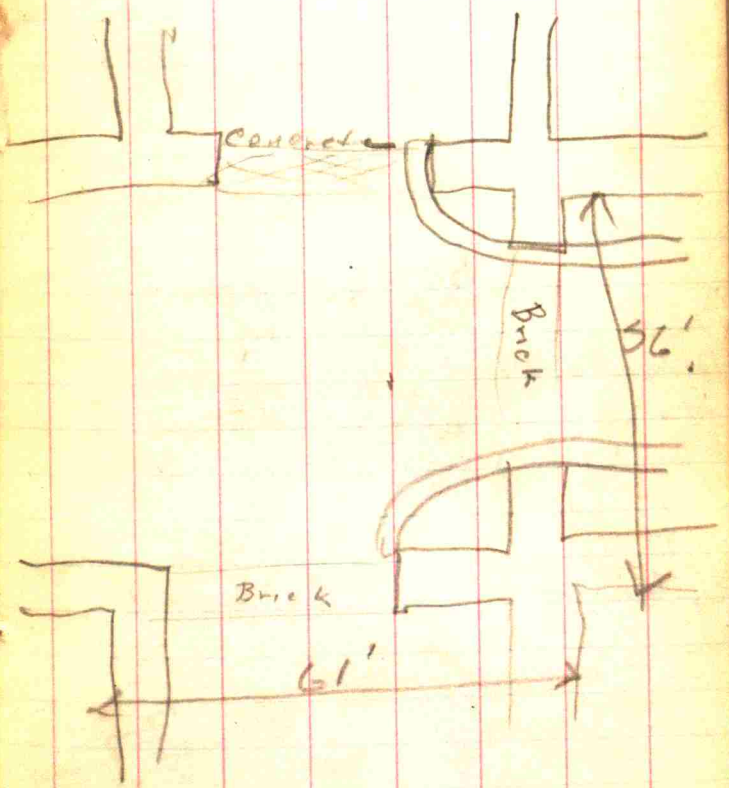
19

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



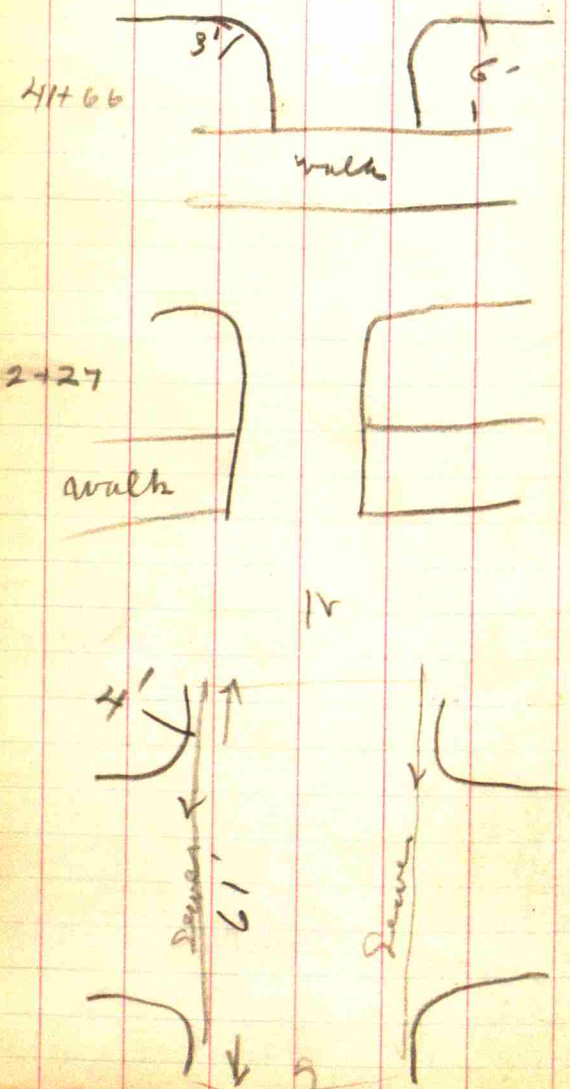
20

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

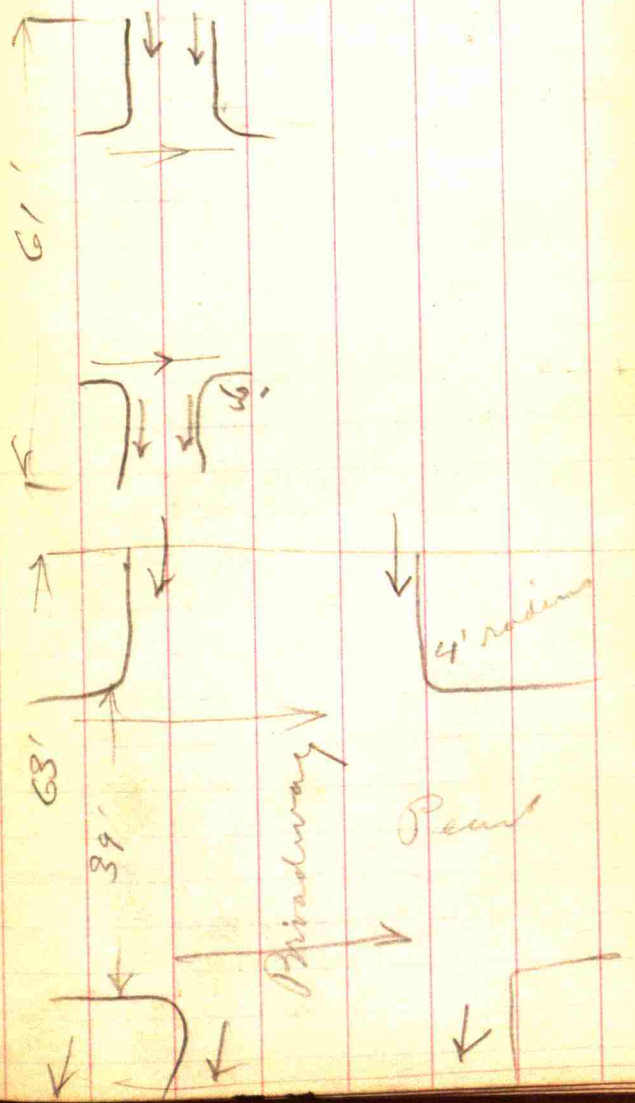


STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		88.80	88.15 .65					North cor							
			86.70 2.10					South							
			87.90 .90					west & no cor							
			86.90 1.90					post SE cor tire up							
41								44' east of west end walk							
	2.05	88.95						Post SE cor							
			S curb	Cen	N Curb										
41			85.35 3.60	85.75 3.20	85.95 3.00										
41+66 to 74			84.50 4.45					Crossing S side							
42			84.20 4.76	84.45 4.52	84.65 4.30										
42+27 to 36			84.05 4.90					Cross S side							
43			83.20 5.75	83.75 5.20	83.65 5.30										
43+69 to 44+8								Nebraska St							
	3.20	86.85													
			82.30 4.55					SW cor							
			82.05 4.80					SE "							
			82.30 4.55					between							
			83.05 3.80					NW cor							
			82.55 4.30					NE cor							
			82.75 4.10					between							
44			82.75 4.10												

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
41+66							
42+27							



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



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
			South Cen North				
45		86.85	82.20 4.65	82.55 4.30	82.70 4.15		
45+58 to 68			82.55 4.30		82.95 3.90		
	3.40	86.35					
46			82.20 4.15	82.35 4.00	82.75 3.60		
47			81.95 4.40	81.95 4.38	82.45 3.90		
46+98 N 47+1 S to							
47+38 N 47+40 S							
			81.35 5.00		81.85 4.50		
48			80.75 5.60	80.80 5.55	81.20 5.15		
48+8							
48+69 to 81							
	330	84.50					
			80.10 4.40				
			80.60 3.91				
49			79.75 4.75	79.95 4.55	80.30 4.20		

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

alleys both north and South

Broadway

East side Broadway

well cut 3' x 7' north side

3 7

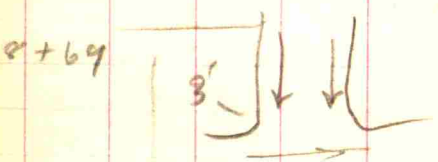
48+8

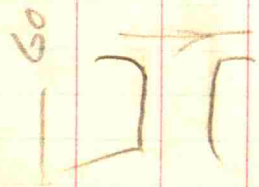
alleys both north & south

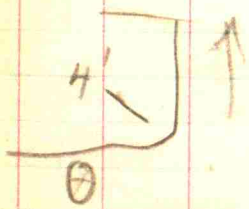
South Cedar

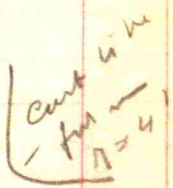
north "

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
48+64							

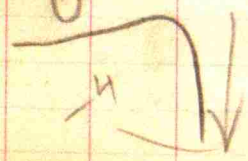


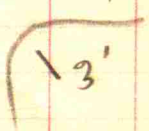






Pearl 60' Main St





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

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
50+	7 to 58 S						
	to 55 N						
		84.50	79.43	79.35	79.60		
50			5.07	5.15	4.90		
			75.30				
			9.20				
			75.50				
			9.00				
			78.30				
			6.20				
			79.20				
			5.30				
			77.65				
51			6.85				
	2.30	79.95					
				77.30			
51				2.65			
51+45			76.00	74.15			
52			3.96	5.80			
52+8			74.20				
			5.95				
52+41			74.75				
			5.20				
52+73			75.80				
			4.15				
52+87			66.35				
			13.60				
⊙			68.75				
			11.20				
	.20	68.95					
53+20			63.95				
			5.00				
53			66.40				
			2.55				
54			62.95				
			6.00				

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

detect NW cor
" SW "
SE cor
NE "

new curb from 50+62 to 51+45

Yd gate north
fire engine door S side
Fill Miller doorway S side
Kefauver doorway N side

Kefauver shift N side

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		68.95	7.05	61.90			
			13.07	55.90			
			6.65	62.30			
			12.85	56.10			
55			8.50	60.45			
55+30			5.70	63.25			
55+50			6.45	62.50			
56			7.55	61.40			
	4.05	65.45					
57			5.60	59.85			
57+52			5.05	60.40			
			5.10	60.35			
			7.10	58.35			
			5.50	59.95			
			2.60	62.85			
			.15	65.30			
	11.20	76.50					
			5.85	70.65			
			60	76.50			
	11.00	87.50					
			7.90	79.60			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Arch sta 54							
S parapet							
water							
N parapet							
water							
Rockbarb			lot yd				
"			yd "				
W end of bridge							
E end of bridge							
100' cart							
200							
300							
~~400~~							
~~500~~							
⊙							
⊙							
400							
⊙							
⊙							
500							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		87.50	4.50	83.00			
			3.20	84.30			
			.60	86.90			
			— 10	87.60			
	12.10	99.70					
			9.70	90.00			
			6.20	93.50			
			.30	99.40			
	11.90	111.30					
			1.70	109.60			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
600							
700							
0							
0							
800							
900							
1000							
1100							

Toe Lane Intersection

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
1/2 mi Sec 3							
Stone S E Cor Sec 33							
Stone Cen N NE4 Sec 4							
Stone Cen S S E4 Sec 33							
def right			8° 45'			45	
" left			6° 25'			6	
"			6° 25'			6	
"			10° 8'			4" stone	
Stone N E Cor Sec 4							
Stone Cen N N W4 Sec 4							
Stone Cen S S. W4 Sec 33							
Stone N W Cor Sec 4							

Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Brace rock west 562 47 501							
An Elm but Cen culvert S 50 E 47'							
Cen Big rock N 23'							
" " N 45 W 24'							
Sta 26+87							
Hackberry 10 N 40 W 62'							
B Walnut 16 N 10 E 76'							
Sta 39+1 Cen Lane							
double ash 12" N 45 E 64.5							
B Walnut 12 N 30 E 65.1							
Sta 45+11							
+71							
54							
63+86 B wal 12 S 2 E 43'							
Y. poplar 36" S 80 W 81'							
52+10							
Brace rock S 26'							
Brace rock low fast							
63+90 S 80 E 74'							
Brace Rock fence N 24							
W wal 12 N 65 W 65.1/2							
66+69							
Apple tree 18 S 5 W 38							
Brace rock S 30 E 40							
78+32 Fence S & mile wood							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
BM	9.10	9.10					
0			9.10	0			
1			7.10	2.00			
2			4.90	4.20			
3			3.00	6.10			
4			1.00	8.10			
4	9.00	17.10					
5			6.90	10.20			
6			5.50	11.60			
7			4.80	12.30			
BM			2.80	14.30			
8			3.70	13.40			
9			2.50	14.60			
10			1.90	15.20			
10			.60	16.50			
10	6.80	23.30					
			3.70	19.60			
11			4.50	18.80			
12			3.80	19.50			
13			4.90	18.40			
14			5.70	17.60			
15			6.70	16.60			
16			7.70	15.60			
16	9.60	18.20	2.60				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Corstone							
Large rock N side near stakes							
Kellums barn gate							
Kellums yard gate							
ditch west on north side							

142
7
22)994 4.5
88
114
110

4.52 2.1
4
41) 52
41

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
32		16.50	6.90	9.60			
33			6.10	10.40			
34			5.70	10.80			
35			9.10	7.40			
35+		N	12.20	4.30			
		S	11.90	4.60			
36			9.50	7.00			
36	7.10	14.10					
37			6.50	7.60			
38			4.70	9.40			
BM			1.10	13.00			
39			2.40	11.70			
40			1.20	12.90			
40	1.90	14.80					
41			5.20	9.60			
41+	65	N	7.40	7.40			
		S	7.20	7.60			
42			5.10	9.70			
43			4.50	10.30			
44			2.40	12.40			
0			.60	14.20			
0	9.80	24.00					
45			8.40	15.60			
46			5.00	19.00			

71
7
22)497 2.25
44
57
44
130
1.5

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

60 A level land
5' span blow out old culvert

Brace rock fence South side
east

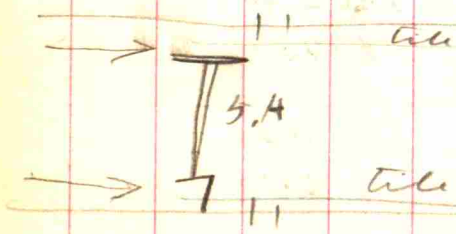
60 A rolling land blow
out old culvert

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
47		24.00	4.90	19.10			
48			4.50	19.50			
			4.00	20.00			
49			4.40	19.60			
			3.50	20.50			
50			4.70	19.30			
50	4.20	23.50					
51			4.40	19.10			
52			5.00	18.50			
53			9.10	14.40			
⊙			12.40	11.10			
⊙	6.30	17.40					
54			7.50	9.90			
54+90	S		12.20	5.20			
	IR		12.10	5.40			
55			7.60	9.80			
56			4.80	12.60			
⊙			2.00	15.40			
⊙	10.60	26.00					
57			6.80	19.20			
57+50	BM		4.00	22.00			
58			4.30	21.70			
58+40			3.90	22.10			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Joe Wilson barn gate							
" yard gate							
10' spun blow out old abutments							
Ramseys yard gate							
Concrete walk							
" barn gate							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
59		26.00	3.60	22.40			
60			3.00	23.00			
60	7.00	30.00					
61			5.80	24.20			
62			5.50	24.50			
63			4.90	25.10			
64			4.20	25.80			
65			4.50	25.50			
66			5.30	24.70			
66	3.50	28.20					
BM			4.20	24.00			
67			4.50	23.70			
68			5.15	23.10			
69			5.50	22.70			
70			6.00	22.20			
71			6.90	21.30			
71	3.00	24.30					
72			3.40	20.90			
73			3.90	20.40			
74			5.00	19.30			
74+50 S			7.20	17.10			
			8.20	16.10			
75			5.10	19.20			
76			4.60	19.70			

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



Cor stone

16" cor iron pipe 18' long
25 A level

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
77		24.30	3.30	21.00			
78			2.30	22.00			
			2.00	22.30			
			1.30	23.00			
B M			1.60	22.70			

Est Cost

Exc – 4500 $ @ 40c = 1800.00
Conc – 160.0 @ 12.00 = 1920.00
Steel 4943# @ .04 = 197.72
Trunk 15 for 10' span @ 4.00 = 60.00
72"x24" Armco @ 3.25 = 234.00
24"x18" " @ 2.25 = 54.00
216"x10" " @ 1.25 = 270.00
Old pipe relaid = 50.00

2900 Cu yds Grav @ 2.40 = 6960.00
1723 Tons stone @ 2.90 = 4996.70

16,524.42

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

Cor rock
X road
Brace rock SE cor fence
running east.

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

My wish would be to see the profession of architecture united not with that of the Engineer but of the Sculptor

There is no last understanding by a true architect of which the honorable fulfillment will not require a range of knowledge and habitual feeling only attainable by advanced scholarship

As the efficiency of a school of literature depends on the mastering of a few good books, so the efficiency of a school of art will depend on understanding a few good models. And so strongly do I feel this that I would for my own part at once consent to sacrifice my personal predilection in art and to vote for the exclusion of all Gothic or Mediaeval models whatsoever, if by this

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

Sacrifice I could obtain also the exclusion of Byzantine Indian Renaissance French and other more or less attractive but barbarous ~~models~~ work and thus concentrate the mind of the student wholly upon the study of natural form, and refer it treatment by the sculptor and metal worker of Greece Imia Sicily and Magna Graecia between 500 and 350 B.C., but I should hope that exclusiveness need not be carried quite so far

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naturalistic ornament in Sattle connection with construction requirements

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Stone				Sta 26+28			
					9		
Stone					39+51		
Stone					52+74		
Stone					79+49		
Stone					92+88		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Cement brace block					S 40 W	24'	
"					S 45 E	28'	
Brace rock					N 60 E	17.6'	
"					N 65 W	24'	
S 40 E Brace rock						28'	
Brace rock					S 40 W	26'	
Grey rock 9					S 47 W	24.5'	
Red rock 12					S 45 E	61'	
Brace rock					S 60 E	19'	
Oil post					N 30 E	20'	

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

Architecture is the art which so disposes and adorns the edifice raised by man for whatsoever uses that the sight of them contributes to his mental health power and pleasure.

Law of Sacrifice

Sacrifice — displays the spirit of sacrifice — Cortlinen

2 Sam XXIV 24 Neut XXI 16 17

Best of its kind

Gods hour and ours

Not the gift but the giving

John XII 5

Flowers Picture

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

Law of Truth.

Evidence of fallacy as distinguished from supposition

In architecture a contemptible violation of truth is possible a direct falsity of assertion respecting the nature of material or the quantity of labor

Steel siding cement blocks.

Architectural deceits

1. Suggestion of a mode of structure or support other than the true one as in pendent of late Gothic roofs

2. The painting of surfaces to represent some other material than that of which they actually consist [as the marbling of wood graining

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

3. The use of cast or machine made ornaments of any kind

architecture will be noble exactly in the degree in which all these false expedients are avoided

gilding in architecture no decent in Jewelry a decent

That building will generally be the noblest which to an intelligent eye discovers the great secrets of its structure as an animal form does tight skirts.

weight of roof
bathrooms

deceptive concealments of structure, deceptive annulling of it.

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

use of iron

Veneer

Ornament has two entirely distinct sources of agreeableness 1 one that of the abstract beauty of its form, whether for hand or machine, the other the sense of human labor and care spent upon it.

Cast iron wrought and hammered iron

Reading & extempore speaking.

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

The Lamp of Power

Size

Monument in the Circle

Any bldg look small
Overhanging rock

Dimension in order to become impressive should be expanded either in height or length, but not equally.

deep windows

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

Lamp of Beauty

Sympathy with the effect and trouble of human life a sympathy as distinctly perceived in the gloom and mystery of form as it is in the melancholy tone of sounds.

All beautiful lines are those that are commonest in external creation, that in proportion to their association the resemblance to natural work as a type and help must be more clearly attempted and more clearly seen and that beyond a certain point and that a very low one man can not advance in the invention of beauty without directly imitating natural form.

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

tryglyph fluting of cortex
bark tree low order
the decoration proper was sought
in the true form of organic
life and those chiefly human
Doric capital ovolo
Ionic curls
Corinthian acanthus leaf

Arch vault of heaven
horizon of the earth

Cylindrical pillar trunk of
tree
Pointed arch termination
of every leaf

Gothic German woods

What is frequent is beautiful

Greek fret and egg and dart
moulding birds egg + pebbles

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

Curve line of beauty
reticulation

Of all things unlike nature
the forms of letter are perhaps
the most so

to be endured only
upon occasion, that is to say
where the sense of the inscription
is of more importance than
external ornament

drapery motion wind
gravitation repose

Supremacy and perfection
Symmetry Windows

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

Lamp of Life

Creation of architecture depend for their dignity and pleasantness to the utmost degree upon the vivid expression of the intellectual life which has been concerned in their production

Lamp of Memory

Tiber Rhyn Amazon
Jerusalem Salt Lake City.

Poetry + Architecture
Homer + Pericles

And indeed if there can be any profit in our knowledge of the past, as any joy in the thought of being remembered

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

hereafter which can give strength to present exertion or patience to present endurance there are two duties respecting national architecture whose importance it is impossible to overrate, the first to render the architecture of the day historical, and the second to preserve as the most precious of inheritance of that of past ages

Home the best monument

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

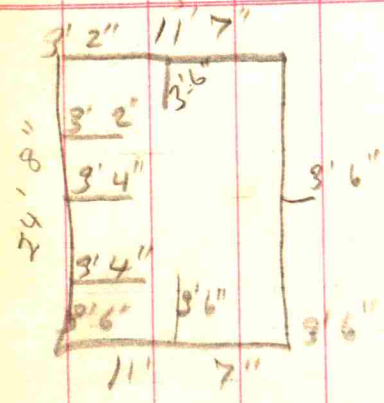
Lamp of Obedience

The chords of music, the harmonies of color, the general principles of the arrangement of sculptural masses have been determined long ago and in all probability can not be added to any more than they can be altered.

Alterations work of time and multitudes not of individuals

I have found not once or twice as I wrote as the thought has crossed me how soon all architecture may be vain except that which is not made with hands

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



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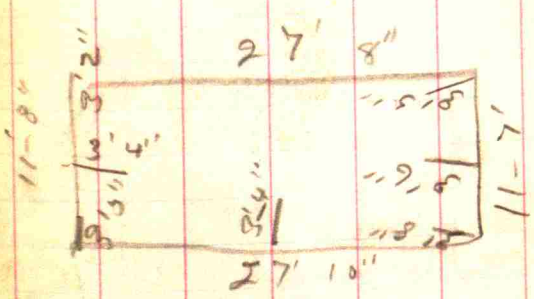
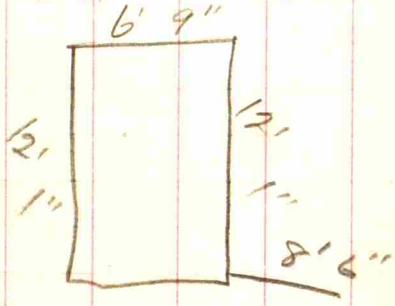
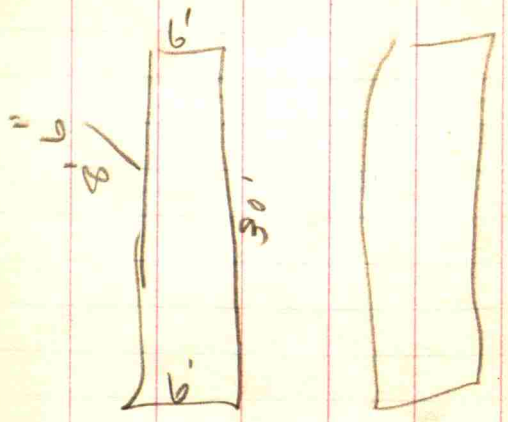


STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL

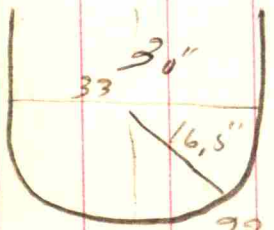
3d Month



Main Cutter



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



833
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231) 80801 (350
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1150
155

30
16.5
13.5
30
405

16.5
165
825
990
165
272
11
272
272
7) 2992
428
405
833
73
2499
5831
231) 60809 (265
462
1460
1386
749

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

Repair on Williams Bridge

Bolts and iron - $
Hardware - - 11.00
Hauling - - 4.00
Carpenter work - 90.00
105.00

8'2" 8'2"

9' 8'6"

220
6
13.20
3
39.60

$54.00
39.00
93.00

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

30 A off S End NW 4
SW 4 + SW 4 SW 4
Sec 13 Tf 16 N R 1 W
100.41

1468) 14.74
1468
6000
5872
1280

100.41
20.44
40164
40164
20082
20.523804

Cen SW 4 old stone reset
water elm 4" dia W .29
Soft maple 5" N 60 W .26

Joe Lane Wilson

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0+00	Stone –						
	Big rock S 35°W – 57'						
	E. Wall of Culvt. S10°E – 92'						
25+90	Stone – not on Fence line S.						
	Telephone P. S 55°E – 26.5'						
	Big Rock S 5°E – 22.5'						
39+01							
	Stone						
	16" B. Walnut N 15°E 76'						
	10" Hackberry N 90°W 62'						
52+10	Stone						
	B. Walnut S 2°E 43'						
	Tree N. 45°E 63.5'						
65+90	Stone						
	Brace rock S – 26'						
66+69	Stone						
	Walnut N 65°W – 65'						