

1913

LEATHERS ROAD
PHILLIPS ET AL ROAD
SCOTT ROAD
TOUT ET AL ROAD
ARBUCKLE ROAD
MCCORD DITCH
HADLEY ET AL ROAD

48

Lewis Leathers et al

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

Beginning at east end of
T16N R1W, corner post
15' S. Corner post of Jas
Stone near surface

Sta 13+22 - Stone C.S.
Stump 31.5' SE. End post
and Jane Spicklenire

Road deflects right 2'

Sta 26+53.5 Common Cor
ner post corner Lewis Leathers
Corner post Edgar Stephens
deflects to right 32'

Sta 39+83 Cen N NE⁴ Sec
Iron gate is hung S.E.
Iron gate shuts 19.5'

Leathers land Stone near
left 2'

North $\frac{1}{2}$ mi stone can

Sta 66+37 Cen N NW⁴
between end post of
land of Ed Biggs and
Red cedar end post of
between land of Ed

Road

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

road, S. $\frac{1}{2}$ mi Stone Sec 9
of R D Plummer's fence
Bryants fence 24' N.W.

SW⁴ Sec 9, Heart of Burr Oak
between land of Edgar Stephens
15.45' S. Stone at surface

Sec 8, 9, 16, 17. Concrete
Scale lot SW 22'
land S.E. 22.5' Road
Stone near surface

17. Gate post to which
20' Gate post to which
N.E. Both gates on Lewis
Surface Road deflects

not be found

Sec 17. Stone on line
fence running south between
Howard Pritchett and
fence running north
Biggs and Millard Thompson

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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Stone is 16' from South
Post and about 18"
deflects right 5'

Sta 79+65 Common
Cross roads Cor post
SW 22' Road deflects

Sta 106+45 S $\frac{1}{2}$ mi.
which gate is hung NW
C.C. Higgins and Clarence
near surface Road

Sta 116+41 Stone
in deed to John Rutledge
S 81° W 60 $\frac{1}{4}$ rods to pt
N line of said section"
Post against which gate
end post N 15'

Sta 121+22 End of Road.
3 Ch's of Stone at NW
between corners given

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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post and 17' from north
below surface. Road.

Corner Secs 7, 8, 17 and 18.
SE 22' Concrete Cor post
left 25' Stone near surface

Sec 7 Old gate post to
22' End post between
Storms S 15' Stone
deflects left 80 2'

above surface described
from S $\frac{1}{2}$ mi Stone "thence
which is 8 $\frac{1}{4}$ rods South of
Clarence Storms gate
shuts SE 22' Concrete

Road deflects right 32'
a pt on Range line
Cor Sec 18 which is diston
in grt survey.

Transit T.R. Hanney
Head chain T.W. Garrison
Rear Chain Lewis Leathers
Stake driver W.E. Reed

Oct 10 1913

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
				Level			Notes								
B.M.	.70	100.70		100.											
			4.68	96.02											
			5.62	95.08											
0			5.46	95.24	95.24										
1			5.20	95.50	95.48	.02									
2			4.90	95.80	95.72	.08									
3			4.70	96.	95.96	.04									
4			4.50	96.20	96.20										
4	2.78	98.98													
5			3.15	95.83	95.74	.09									
6			3.71	95.27	95.29	.02									
7			4.68	94.30	94.83	.53									
8			4.79	94.19	94.57	.38									
8	3.98	98.17													
9			4.16	94.01	93.92	.09									
10			4.55	93.62	93.46	.16									
11			5.75	92.42	93.	.58									
12			6.13	92.04	93	.96									
12	4.60	96.64													
13			4.70	91.94	93	1.06									
14			4.71	91.93	93	1.07									
13+60			6.16	90.48	24" pipe										
15			4.27	92.37	93.	.63									

Top Cor post NW Cor Road.
 100' east on Danville and Lebanon Rd
 100' north " " " " " "

53 yd fill

425 yd fill

flows north, old pipe from
 86+80 to be brought here

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
16			4.11	92.53	93.		.47
16	4.80	97.33					
17			4.49	92.84	93.		.16
18			3.91	93.42	93.	.42	
19			3.58	93.75	93.	.75	
20			2.73	94.60	93.	1.60	
20	2.47	97.07					
21			3.57	93.50	93.	.50	
22			3.87	93.20	93.	.20	
23			4.08	92.99	93.	.01	
24			4.40	92.67	93.	.33	
24	4.60	97.27					
25			4.84	92.43	93.	.57	
26			4.86	92.41	93.	.59	
27			4.92	92.35	93.	.65	
28			3.41	93.86	93.	.86	
28	3.64	97.50					
BM			2.48	95.02	End Lewis		
29			3.68	93.82	93.19	.63	
30			4.61	92.89	93.38	.49	
31			4.42	93.08	93.58	.50	
32			4.06	93.44	93.77	.33	
32	6.77	100.21					
33			4.71	95.50	93.96	1.54	

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

306 yd cut

181 yd fill

150 yd cut

Leathers walk at yard gate.

90 yd fill

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
34			4.71	94.50	94.16	1.34									
35			5.38	94.83	94.35	.48									
36			5.49	94.72	94.34	.38									
36	4.89	99.61													
37			4.88	94.73	94.74		.01								
38			4.61	95.00	94.93	.07									
39			4.08	95.53	95.12	.41									
40			3.35	96.26	95.32	.94									
40	4.87	101.13													
41			4.60	96.53	95.51	1.02									
42			4.46	96.67	95.70	.97									
43			5.96	95.17	95.90		.73								
44			5.97	95.16	96.09		.93								
44	4.64	99.80													
45			4.14	95.66	96.28		.62								
46			4.71	95.09	96.48		1.39								
47			4.47	95.33	96.67		1.34								
48			4.10	95.70	96.86		1.16								
48	6.75	102.45													
49			5.60	96.85	97.06		.21								
50			4.23	98.22	97.25	.97									
51			3.90	98.55	97.44	1.11									
52			4.15	98.30	97.64	.66									
52	4.80	103.10													

259 yd cut

285 yd cut

580 yd fill

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
53			4.84	98.26	97.83	.43									
B.M.			4.59	98.51											
54			4.95	98.15	98.02	.13									
55			4.82	98.28	98.22	.06									
56			4.70	98.40	98.41		.01								
56	4.79	103.19													
57			4.77	98.42	98.60		.18								
58			4.39	98.80	98.80										
59			4.44	98.75	99.		.25								
59+15			6.70	96.49											
59+15			5.33	97.86											
60			4.44	98.75	99.		.25								
60	5.07	103.82													
61			4.57	99.25	99.		.25								
62			4.02	99.80	99.		.80								
63			4.82	99.	99.										
64			6.07	97.75	98.48		.73								
64	3.70	101.45													
65			4.20	97.25	97.95		.70								
66			4.84	96.61	97.42		.81								
B.M.			1.27	100.18											
67			5.24	96.21	96.89		.68								
68			6.00	95.45	96.36		.91								
68	4.10	99.55													

Base of Concrete end post
268 yd ent

N. side of road
S side of road 12" pipe in

80 yd ent

top R.C. post.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
69			4.46	95.09	95.83		.74
70			4.65	94.90	95.30		.40
70+40			5.58	93.97			
71			4.73	94.82	94.77	.05	
72			4.42	95.13	94.24	.89	
72	3.02	98.15					
73			4.10	94.05	93.71	.34	
74			4.95	93.20	93.18	.02	
75			5.07	93.08	92.65	.43	
75+40			6.41	91.74			
76			4.70	93.45	92.12	1.33	
76	3.80	97.25					
77			2.10	95.15	91.59	3.56	
78			4.80	92.45	91.06	1.39	
79			6.76	90.49	90.53		.04
80			7.75	89.50	90.		.50
BM			2.40	94.85			
80	3.70	93.20					
81			4.55	88.65	90.		1.35
82			4.51	88.69	90.		1.31
82+75			9.43	83.77			
83			4.88	88.82	90.		1.68
84			4.50	88.70	90.		1.30
84	4.48	93.18					

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
4.40 yd fill							
687 yd Cut							
Between 82+75 and 86+80 roadway							
Jogs 3' to north							
top concrete corner post S.W.							
Bottom County ditch Flat							
top bridge 8' span							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
85			4.62	88.56	90.		1.42								
86			4.48	88.70	90.		1.30								
87			3.52	89.66	90.		.34								
86+80			7.20	85.98											
88			3.69	89.49	90.		.51								
88	6.60	96.09													
89			5.77	90.32	90.87		.55								
90			4.64	91.45	91.75		.30								
91			3.90	92.19	92.62		.43								
92			2.65	93.44	93.50		.06								
92	4.90	98.34													
93			4.39	93.95	93.50		.45								
B.M.			4.92	93.42											
94			4.84	93.50	93.50										
95			5.38	92.96	93.50		.54								
96			5.75	92.59	93.50		.91								
96	5.06	97.65													
97			5.14	92.51	93.50		.99								
97+20			6.25	91.40											
98			4.87	92.78	93.50		.72								
99			3.	94.65	93.50		1.15								
100			3.96	93.69	93.50		.19								
100	5.10	98.79													
100+30			6.50	92.29											

Bottom arm to County ditch
 3' boiler shell from 82+75 is
 lengthened by addition of 16'
 of 3' metal culvert and placed
 here
 1100 yd fill

Base of concrete end post.

250 yd fill

75 yd cut

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
101			5.28	93.51	93.50	.01	
102			4.86	93.93	94.12		.19
103			3.70	95.09	94.75	.34	
104			3.47	95.32	95.37		.05
104	6.11	101.43					
105			5.16	96.27	96.00	.27	
106			4.21	97.22	97.20	.02	
BM			3.24	98.19			
107			3.18	98.25	98.40		.15
108			1.94	99.49	99.60		.11
108	7.19	106.68					
109			5.83	100.85	100.80	.05	
110			4.60	102.08	102.	.08	
111			4.84	101.84	102		.16
112			4.92	101.76	102.		.24
112	5.73	107.49					
112			7.33	100.16			
113			5.78	102.31	102.	.31	
114			3.75	103.74	103.	.74	
115			2.55	104.94	104.	.94	
116			2.82	104.67	104.	.67	
116	3.04	107.71					
117			3.88	103.83	104.		.17
118			4.61	103.10	104.		.90

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

top of stump in field north
of road near sta 105

ditch bottom 12' pipe

193 yd cut

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
119			4.90	102.81	104.		1.09
B.M.			4.70	103.01			
120			3.89	103.82	104		.18
121			4.14	103.57	104		.43
121 +22			4.20	103.50	104		.50

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Base of west concrete gate post, Mahans gate. 300 yd fill							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
															800.00
															134.40
															112.00
															100.00
															360.00
															242.44
															363.66
															2525.00
															2525.00
															3030.00
															1019250
															1019.25
															800
															12011.75

Cutting and filling
 Metal Culverts
 Headers for metal culvert
 Culvert at sta 86+80
 Bridge at sta 82+75
 Rolling 3" for 100 ft
 Grading 2" for 100 ft
 Stone 2020 yd
 Gravel 2020 yd
 Hauling and Spreading

10%

Expense

Lewis Phillipps

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

Beginning where the Coatesville
line of Sec 8 T^p 14 R 2W
thence to a stone at the
a double gray ash ^{8" diam}
diam NW 22 ^{Sta 21+61} thence east
NE Cor Sec 8 Sta 47+93
12x12 NE 19.5' and a sawed
with L def 10 35' to NE
but by agreement of land
by an apple tree 20' SE
with L def 30' to Cen
thence with R def 50' to
thence in direction of
half way Sta 127+5
point where the line
joys to the S. side, the
Stakes were driven
of road

et al Road

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

and Stilesville Road crosses the
a stone in center of road Sta 0.
In $\frac{1}{2}$ mi of Sec 8 witnessed by
NE 23' and an apple tree 16'
with R def 5' to a stone at
witnessed by a hewed gate post
end post 6x9 NW 20', thence
Cor Sec ^{Sta 100+60} 7A where there is no stone
owners a corner was taken witnessed
and an end post 19' SW, thence
of iron bridge Sta 105+88,
stone at Cen N NW 4 Sec 10
a stone at Cen N NE 4 Sec 10
In $\frac{1}{2}$ mi of Sec 10, being the
between Clay and Marion T^p
end of the Road
on S. side 12' from center

Transit Ray White
Head chain W E Reed
Rear chain Jesse Masten
Stake Driver Lester Reed
Oct 31 1913

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL		STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL		
								Level									Notes	
B.M.	143	101.43		100.														
0				2.03	99.40	99.40												
1				2.60	98.83	98.78	.05											
2				3.20	98.23	98.15	.08											
3				3.91	97.52	97.52												
4				5.10	96.33	96.05	.28											
5				7.30	94.13	94.58		.45										
6				7.90	93.53	94.58		1.05										
7				7.78	93.65	94.58		.93										
7	5.91	99.56																
5+80				7.72	91.84	94.58												
8				4.98	94.58	94.58												
9				3.92	95.64	94.58	1.06											
10				3.95	95.61	94.58	1.03											
10	.80	96.41																
11				1.43	94.98	94.58	.40											
12				2.80	93.61	93.71		.10										
13				3.90	92.51	92.85		.34										
13+20				5.09	91.92													
14				4.57	91.84	91.99		.15										
15				5.28	91.13	91.13												
16				6.30	90.11	90.08		.03										
16	2.47	92.58																

DM Highest rock over end of iron pipe
 In w cur Road intersection
 O Top of cornerstone flush with
 Surface. Intersecting roads level.

240 yds

5+80 - 7 joints 15" sewer pipe in
 place. Concrete box culvert

13+20 12" iron pipe

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
17		92.58	3.47	89.11	89.04	.07	
18			4.92	87.66	88.00		.34
17+85			5.86	86.72			
18			4.95	87.63	Masten's gate		
18			5.10	87.48	Barn's "		
19			6.34	86.24	86.66		.42
20			7.95	84.63	85.33		.70
20	1.68	86.31					
21			2.53	83.78	84.00		.22
22			3.94	82.37	82.66		.29
23			5.31	81.00	81.33		.33
24			6.42	79.89	80.00		.11
24	1.77	81.66					
25			2.13	78.53	78.66		.13
25+80			5.57	76.09			
26			4.65	77.01	77.33		.32
27			6.05	75.61	76.00		.39
28			8.05	73.61	73.43		.18
28	.00	73.61					
29			2.43	71.18	70.86		.32
30			5.18	68.43	68.29		.14
31			6.05	67.56	65.72		1.84
30+75			11.40	62.21	Bottom Inside		
32			5.53	68.08	63.15	4.93	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
17+85					12" pipe L shaped headers to divert water from W to S		
From sta 0 to sta 28					road is level with fields with mere furrows for side ditches		
25+80					12" iron pipe L shaped headers to divert water from W to S.		
30+75					wooden bridge in place 3' span 2' waterway — replace with concrete box culvert		
650 yd cut							
1500 yd fill to sta 37							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
32	.50	68.58					
32+50			3.92	64.66	Gateway		
33			10.58	58.00	6058	2.58	
33	1.10	59.10					
34			7.22	51.88	5801	6.13	
34+75			7.39	51.71	Bridge floor		
34+75			10.77	48.33	Ditch bottom		
35			8.58	50.52	5544	4.92	
36			9.96	49.14	5287	3.73	
36	3.53	52.67					
37			2.57	50.10	50.30	.20	
38			5.82	46.85	50.30	3.45	
39			6.41	46.26	50.30	4.04	
40			6.63	46.04	50.30	4.26	
41			2.37	50.30	50.30		
41	12.29	62.59			B.M. Wend floor iron bridge		
42			10.92	51.67	50.30	1.37	
43			3.70	58.89	53.44	5.15	
43	11.32	70.21					
44			6.93	63.28	5658	6.70	
45			5.26	64.95	59.72	5.23	
46			3.57	66.64	62.86	3.78	
47			3.65	66.56	66.00	.56	
48			4.70	65.51	66.00	.49	

1200 yd fill to iron bridge
 All north of road from 31 to 32+50
 to be scooped off and used to
 make fill east to iron bridge

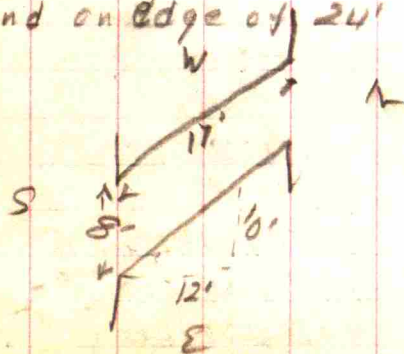
1300 yd cut to sta 47

Sta 28 to 33+50 now a 3'
 cut and 20' roadway

Sta 33+50 to 36 Center of road
 now on edge of grade 3' high.

Two stakes are marked 35' Every
 number beyond should be advanced
 one

34+75 Bridge now with concrete
 abutments and wooden top
 S. end on edge of 24' roadway



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
48		70.21	4.12	66.09	Top of stake										
48	3.35	69.44													
49			4.68	64.76	66.00		1.24								
49+40			6.00	63.44											
50			3.87	65.57	66.00		.43								
51			1.64	67.80	67.75	.05									
①			4.06	69.04											
①	7.95	76.99													
52			7.01	69.98	69.50	.48									
53			5.56	71.43	71.25	.18									
54			4.10	72.89	73.00		.11								
55			2.96	74.03	73.00	1.03									
56			3.08	73.91	73.00	.91									
56	1.94	75.85													
57			3.27	72.58	72.50	.08									
58			4.22	71.63	72.00		.37								
59			5.09	70.76	71.50		.74								
60			5.25	70.60	71.00		.40								
59+75			7.76	68.09											
61			4.71	71.14	69.40	1.74									
61	1.57	72.71													
62			2.88	69.83	67.80	2.03									
63			4.57	68.14	66.20	1.94									
64			6.11	66.60	64.60	2.00									

48 tied up for dinner

150 yd fill to sta 50

15" iron pipe + flows S.

Ditch on S side of road from 34+75 to 41 out of way of new grade.

198 yd cut to sta 57

125 yd fill to sta 60

McClouds gateway at sta 57 and level with it.

59+75 12" iron pipe 18' long how in lengthen flows S

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
82	2.43	68.96					
83			3.65	66.31	65.80	.51	
84			4.81	65.15	64.09	1.06	
85			6.55	63.41	62.38	1.03	
86			9.05	60.91	60.67	.24	
86	1.27	62.18					
87			3.20	58.98	58.96	.02	
87	+50		5.78	56.40			
88			4.85	57.93	57.24	.09	
89			5.67	56.51	55.53	.98	
90			7.05	55.13	53.82	1.31	
90	1.53	56.66					
91			3.66	53.00	52.11	.89	
92			5.92	50.74	50.40	.34	
93			8.95	47.71	48.69		.98
93	.08	47.79					
94			4.35	43.44	46.98		3.54
94	+94		9.86	37.93	Bottom of ditch		
95			6.87	40.92	45.27		4.35
96			4.20	43.59	43.56	.03	
97			3.65	44.14	41.85	2.29	
97	.30	44.44					
98			3.10	41.34	40.14	1.20	
99			6.08	38.36	38.43		.07

250 yd cut 82 to 86

340 yd cut 88 to 92

Road intersection - 12" iron pipe 16' long in place on W side of road. Lengthen to 26' and equip with L shaped headers to divert water from W to N.

900 yd fill 92 to 96

350 yd cut 96 to 99

7 joints 18" sewer pipe in place. Arch culvert of reinforced concrete 5' span

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
100		4444	8.30	36.14	26.72		.58
101			8.95	35.49	35.01	.48	
101	.89	36.38					
102			3.08	33.80	33.30		
103			6.02	30.86	33.30		2.94
104			8.12	28.26	33.30		5.04
105			7.30	29.08	33.30		4.22
106			3.30	33.08	33.30		.22
106	4.17	37.25					
107			8.43	28.82	33.30		4.48
108			7.77	29.48	33.30		3.82
109			4.30	32.75	36.24		3.49
⊙				10.37	15		
⊙	12.37	49.52					
110			9.83	39.69	39.18		.51
111			2.40	47.12	42.12		5.00
112			.70	48.82	45.06		3.76
113			.88	48.64	48.00		.64
113	3.85	52.49					
114			4.05	48.44	48.00		.44
115			4.74	47.75	48.00		.25
116			6.00	46.49	46.71		.22
117			7.15	45.34	45.41		.17
117	2.55	47.89					

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

1200 yd fill west of bridge

R.M. Floor of iron bridge

1200 yd fill east of bridge

Poor yard on S side at 110+50
and Creely Masten's gate on N side
at 110+80 on level of sta 112

960 ft cut sta 110 to sta 115

Estimate of Cost Lewis Phillips

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
						6660 yd	
						box culvert sta 5+80	
						" 30+75	
						Arch culvert 34+75	
						" 66+30	
						" 94+94	
						Metal Culverts	
						Headers for Metal culverts	
						Rolling 300 per 100'	
						Grading 200 per 100'	
						Dragging .50 per 100'	
						6352 cu stone	
						Hauling and Spreading stone	
						1500	
						Expense	

et al Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
						2220 00	
						75 00	
						160 00	
						450 00	
						275 00	
						325 00	
						98 00	
						96 00	
						381.15	
						254.10	
						63.52	
						4446.40	
						3176.00	
						12020 17	
						18030 1	
						800.	
						14,623 18	

Foss Scott Road

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

Beginning at Cen N Con Sec 4.
TPTM R. W., a stone is the
center of the Danville and
Lebanon Free Grand Road
witnessed by

To stone at Cen N E Sec 4
at Sta 13+24 witnessed by hickory
18" diam S 51° E 74' and by
another hickory 24" diam
S 67° W 61'

Thence with deflection 5' left
to stone at sta 17+30
witnessed by Elm 30" diam
S 27° E 70' and by B Walnut
16" diam S 18° W 77.5'

Thence with def R 7' to
stone at sta 23+90
No convenient witnesses

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

Thence South with deflection 90°
right to a point 34' 4" South
of last stone ^{Sta 24+24} This Tag is
along South line of land of
Elizabeth Ayres

Thence with left deflection 85° 49'
Eastward to a point 48' South
of a stone at sta 29+14

Thence eastward with a left
deflect 10 7' to a point 38'
South of a stone at Cen NW
Sec 3 at sta 39+12

Thence north left deflection
91° to stone at Cen NW Sec 2
Sta 39+58
and thence onward to stone
at sta 41+17 witnessed
by B Walnut ^{18" diam} S 20° 35' E 52' and
by A Walnut 6" diam S 85° 30' W 17'

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Thence east with right deflection $90^{\circ} 55'$ to a Stone at Sta 54+86							
witnessed by apple tree $11-48^{\circ} W$							
41' End post S 16'							
Thence north left deflection $90^{\circ} 35'$ to pt N E corner of							
5 th sec T17N R1W							
Spamorc 14" diam S $16^{\circ} W$							
82' Hickory 8" diam							
S $86^{\circ} 15' W$ 31' Sta 69+6							
Thence right deflection $90^{\circ} 43'$ to stone at N.E. Cor.							
Sec 3 95+99 in center of Geo Blessing at a Fall Gravel Road.							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0	2.20	102.20		100.00	100.00										
1			3.71	98.49	98.50		.01								
2			5.43	96.77	98.50		1.73								
2+	40		6.65	95.55											
3			5.29	96.91	98.50		1.59								
4			4.75	97.15	98.50		1.05								
5			3.90	98.30	98.50		.20								
6			2.63	99.57	98.50	1.07									
7			3.98	98.22	98.50		.28								
8			4.64	97.56	98.50		.94								
8	4.15	101.71													
9			4.07	97.64	98.50		.86								
10			4.73	96.98	98.50		1.52								
11			4.88	96.83	98.50		1.67								
11+	4		6.30	95.41											
12			4.76	96.95	98.50		1.55								
13			3.27	98.44	98.50		.06								
14			2.90	98.81	98.50	.31									
15			1.80	99.91											
15	5.46	105.31													
B.M.			2.04	103.27											
15			3.10	102.21	98.50	3.71									
16			3.97	101.34	98.50	2.84									
17			6.25	99.06	98.50	.56									

15" pipe S
450 yd fill

100 yd cut

650 yd fill
24" pipe S

top of corner post No 2 con
Elijah Peanington's land

700 yd cut

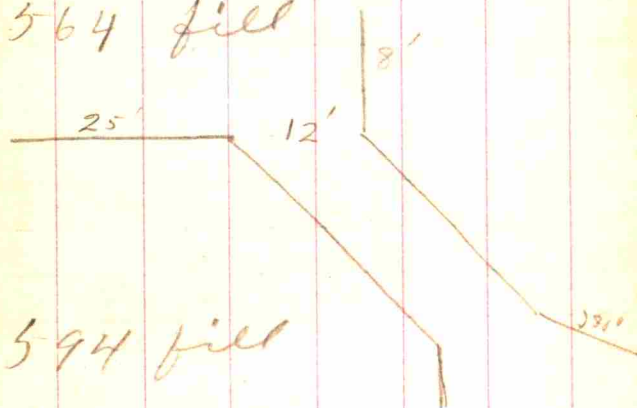
STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
18		10.531	7.30	98.01	98.50		.49
18	3.15	101.16					
18 + 80			6.64	94.52			
19			4.81	96.35	98.50		2.15
20			4.54	96.62	98.50		1.88
21			3.93	97.23	98.50		1.27
22			3.00	98.10	98.50		.34
22	4.72	102.88					
23			4.41	98.47	98.50		.03
24			4.76	98.12	98.50		.38
25			5.52	97.36	98.50		1.14
26			5.81	97.07	98.50		1.57
26	7.13	104.20					
27			7.00	97.20	98.50		1.30
28			6.38	97.82	98.50		.68
29			6.57	97.63	98.50		.87
B.M.			1.70	102.50			
30			5.52	98.68	98.50	.18	
31			6.64	97.56	98.50		.94
31 + 70			11.87	92.33			
32			7.76	96.44	98.50		2.16
32	7.64	104.08					
33			6.70	97.38	98.50		1.12
34			5.76	98.32	98.50		.18

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

600' E 400' W 5' title into 12" tile
at sta 18+50

12" pipe long in place
remains put in 24"

564 fill



594 fill

top for Ayres west gate post

12' flat top S45 E

422 fill

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
35			4.29	99.79	98.64	1.15									
36			4.65	99.43	98.79	.64									
37			4.96	99.12	98.93	.19									
38			5.33	98.75	99.08		.33								
39			5.28	98.80	99.22		.42								
40			5.12	98.96	99.36		.40								
41			3.62	100.46	99.51	.95									
41	442	104.88													
BM			0.00	104.88											
42			5.43	99.45	99.65		.20								
43			5.96	98.92	99.80		.88								
43 + 6			6.47	98.41											
44			5.48	99.40	99.94		.54								
45			5.72	99.16	100.09		.93								
46			6.03	98.85	100.23		1.38								
47			5.55	99.33	100.38		1.05								
48			4.10	100.78	100.52	.26									
45 + 90			7.20	97.68											
48	5.56	106.28													
49			6.67	99.61	100.67		1.06								
49 +			7.60	98.68											
50			6.05	100.23	100.81		.58								
51			4.70	101.58	100.96	.62									
52			5.71	100.57	101.10		.53								

125 yd cut

80 yd fill

10 yd cut

top of corner post S E corner
Nathaniel Seaton's land

12" pipe S

470 yd fill

12" pipe S

120 yd fill

75 yd cut

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
53			6.54	99.74	101.24		1.50								
54			6.88	99.40	101.39		1.99								
55			5.76	100.52	101.53		1.01								
56			4.60	101.68	101.68										
57			2.70	103.58	102.54	1.04									
57	5.58	109.16													
58			3.80	105.36	103.41	1.95									
59			4.75	104.41	104.27	.14									
60			4.60	104.56	105.14		.58								
61			3.39	105.77	106.00		.23								
62			.50	108.66	106.00	2.66									
62	1.65	110.31													
63			3.00	107.31	106.00	1.31									
64			4.35	105.96	106.00		.04								
65			4.40	105.91	106.01		.09								
66			3.90	106.41	106.00	.41									
67			3.18	107.13	106.00	1.13									
68			2.86	107.45	106.00	1.45									
69			3.01	107.30	106.00	1.30									
			Bench mark	32.6	107.05	Corner rock									
			77	107.82	6 ^m corner rock										
70			2.77	105.05	106.00		.95								
71			3.95	103.87	106.00		2.13								
72			4.70	103.12	106.00		2.88								

about at corner S side

376 fill

506 yd cut

60 yd fill

400 yd cut

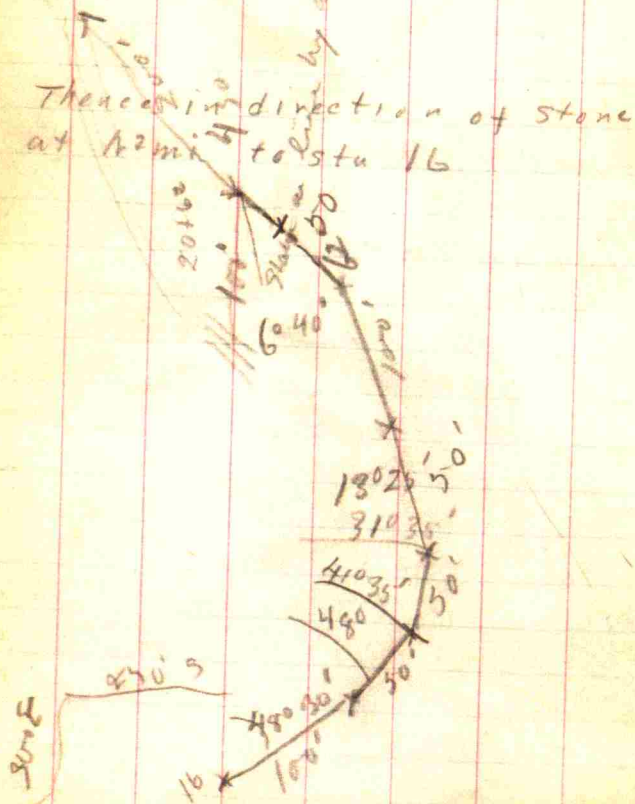
429 yd cut

5^m tile on S side of Road I

74

Wm Tautotal Road

Beginning at 1st Cor Sec 32
 TP 17 N R 1 E stone 15' 7"
 South to Oak corner post 8" diam
 telephone pole 62' N W Chenes
 W to Cen N R 1 E 13 + 32



to 1st mi stone witnessed
 by B Walnut 24" diam Sta 27 + 56
 10' west W Chenes 10" N 40° W 22.5
 Cedar 4" S 58° E 47

Thence South left def 90° to
 Cen N Cen Sec Sta 40 + 86

W	19	139	E	15.8
				13.9
				1.9
				1.58

Iron bridge
 Sta 36

Thence def 15° left to
 Section Sta 54 + 18
 witness Birch 3" N W 57° 30' 40'
 Catalpa 2" S 22° E 15.1

Thence West def 90° S right
 to stone Cen W Cen Sta 67 + 52
 witness Ash 3" diam S 58° E 29'
 Walnut 10" diam S 29° W 28'

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Thence west to w. mi sta right det 15' Sta 80+88 witnessed hedgetree 9' diam $N 4^{\circ} 30' W$ End post 14' diam S 2° E								18'							
$N \frac{14'}{6.11} =$								18'							
Thence west left det 13' to Cen Sec 31 Sta 107+44															
Thence west to Cen sec 31 det 16' 120+65															

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
73			5.21	102.61	106.00		3.39
74			4.70	103.12	106.00		2.88
74	6.66	109.78					
74			12.15	97.63	Top of 14 in. tile		
75			5.81	103.97	106.00		2.03
76			4.50	105.28	106.00		.72
77			3.67	106.11	106.00	.11	
78			3.10	106.68	106.00	.68	
79			2.20	107.58	106.00	1.58	
79	4.31	111.89					
80			3.19	108.70	106.00	2.70	
81			4.42	107.47	106.00	1.47	
82			4.75	107.14	106.00	1.14	
B.M.			2.54	109.35	walnut stump		
83			5.61	106.28	106.00	.28	
84			5.86	106.03	106.00	.03	
85			6.28	105.61	106.00		.39
85 + 20			7.28	104.61			
85	5.61	111.22					
86			5.41	105.81	106.00		.19
87			5.44	105.78	106.00		.22
88			5.21	106.01	106.00	.01	
89			4.63	106.59	106.00	.59	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
							1400 yd fill
							N.W. Sect ditch. 10 in. pipe 14 ft long and an old wood bridge
							800 yd cut
							16 in. in diameter S.E. corner of J. Jacksons woods pasture
							12" pipe S clear
							80 yd fill
							line of 5" tile on each side of road back to 74

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
90			5.72	105.50	106.00		.50
91			6.74	104.28	106.00		1.72
91	4.52	108.80					
92			4.95	103.85	106.00		2.15
92 + 30			5.68	103.12	at present		
93			4.70	104.10	106.00		1.90
94			3.79	105.01	106.00		.99
95			2.90	105.90	106.00		.10
95+99			2.21	106.59	^{106.59} crown of		
			2.67	106.13	race track		

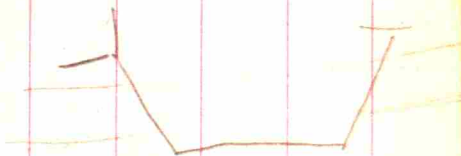
STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
							50 yd cut
							10 in. pipe 16 ft long
							700 yd fill
							rock road
							5000 w side Blessing Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
53			2.88												
51			5.00												
			2.12												
			3.73												
			5.85												
<p style="text-align: center;">Estimate Cross Section Road</p>															
Cutting and filling 6000 yd															
Procurement 2 + 40 1200.00															
" 11 + 4 75.00															
" 18 + 80 100.00															
" 74 120.00															
Metal Culverts 120.00															
Inlets 80.00															
Bridges 31 + 70 20.00															
Grading 200 ft 100 ft 625.00															
Stone 2132 yd 191.98															
Gravel 1900 yd 2665.00															
Spreading gravel and stone 2400.00															
Blind Drain 3000.00															
Expenses 50.00															
50.00															
11146.98															

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0															
1	4.66	99.68	4.70	94.98	95.75		.77								
1															
2				5.45	95.02	95.75	.73								
3				4.92	95.55	95.75	.20								
3	4.75	100.47													
3				4.70	95.72	95.75	.03								
4				4.67	95.75	95.75									
5	4.01	100.42													
5															
6				6.30	96.41	95.75	.66								
7				4.70	98.01	95.75	2.26								
7	4.70	102.71													
8				3.60	98.01	95.75	2.26								
9				4.80	96.81	95.75	1.06								
9				6.10	95.51	95.75	.24								
10	8.00	101.61													
10				95.73	1.52	93.61	93.00	.61							

a 5 level

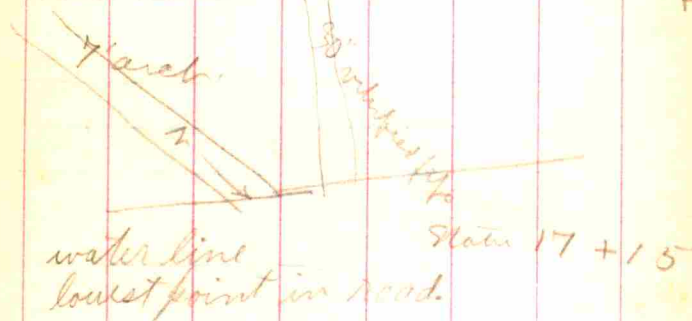
9+90



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
11			5.32	87.81	91.25		.44
11+50			7.30	(87.83)			
12			6.28	88.85	87.50	1.35	
13			6.40	88.73	84.75	3.98	
0	8.71	95.13					
8			1.69	(86.42)			
14			6.97	81.14	82.00		.86
15	10.50	88.11					
15			4.55	77.61	82.00		4.39
16			5.43	76.73	82.00		5.27
17			4.95	77.21	82.00		4.79
			7.60	(74.56)			
			5.39	(76.77)			
18	5.20	82.16					
18			5.88	76.96	82.00		5.04
19			5.52	77.32	82.00		4.68
20+50							
20			5.26	77.58	82.00		4.42
20+70							
21			4.81	78.03	82.00		3.97
22	4.05	82.84					
22			9.37	78.77	82.00		3.21
23			7.82	80.34	82.00		1.66
24		88.16	5.90	82.26	82.00	.26	

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

to be a 15 in. pipe
 supported with masonry
 70' wall 4' deep



to be a 3 ft. sewer.

14 in sewer 24 ft. long
 Bank on opposite side of trench
 is 140" below line of sight

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
24							
25							
0	24	88.16	2.60	85.56	82.98	2.58	
0			12.48	87.92			
26			10.22	90.18	83.96	6.22	
27			5.35	95.05	84.93	10.12	
500ft			7.70	92.70			
400ft			6.67	93.73			
300ft			3.33	97.07			
200ft			4.55	95.85			
100ft			4.43	95.97			
B.M.			.70	99.70			
28	7.66	100.40					
28			1.25	92.74	84.93	7.81	
29			4.38	89.61	84.93	4.68	
30			7.30	86.69	84.93	1.76	
31			9.45	84.54	84.93	.39	
32	11.63	93.99					
32			7.67	82.36	84.93	2.57	
33			8.60	81.43	84.93	3.50	
34			9.32	80.71	84.93	4.22	
35			8.15	81.58	84.93	3.35	
B M			4.9	85.04			
36	90.03	5.10		84.93	84.93		

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

north of stake 28

" " " "

" " " "

" " " "

north station 28

top end post 58 on west side of road

Approach ends stake 35 4' west

8' below bridge + 10' to center

abandon should go 3' below

Purdy 14' stake
36 + 10

From Bridge 40 37+00 approach

Wholly on E side of Pond

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
37			240	87.63	88.29		.66
0	23	90.03					
0			11.88	(89.80)			
38			7.81	93.87	91.64	2.23	
39			4.62	97.06	95.00	2.06	
40			4.39	97.29	95.27	2.02	
B.M.			3.80	(97.88)			
41			4.09	97.59	95.54	2.05	
42			5.00	96.68	95.81	.87	
43	5.47	101.68					
43			5.40	96.21	96.08	.13	
44			5.00	96.61	96.35	.26	
45			4.59	97.02	96.62	.40	
46			4.55	97.06	96.89	.17	
47			4.27	97.34	97.17	.17	
48			4.00	97.61	97.44	.17	
49	3.86	101.61					
49			5.95	97.75	97.71	.04	
50			5.80	97.90	97.98		.08
51			5.53	98.17	98.25		.08
52			5.00	98.70	98.52	.18	
53			3.87	99.83	98.79	1.04	
54			3.55	100.15	99.06	1.09	
B.M.	3.70	103.70		(100.00)			

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

37 + 80 5" 7" ditch flows
across road in direction N 30 W

Road smooth and level with
fields S to 34
Corners to be level with
Yard gate

Station Sec Sta 34 + 18

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
BM 276		102.76		102.00			
55			342	99.34	99.34		
56			367	99.09	99.46		.37
57			404	98.72	99.58		.86
58			410	98.66	99.71		1.05
59			452	98.24	99.84		1.60
60			454	98.22	99.97		1.75
61			435	98.41	100.09		1.68
62			368	99.08	100.21		1.13
63			310	99.66	100.34		.68
64			230	100.46	100.47		.01
⊙ 672	108.74		74	102.02			
65			675	101.99	100.60	1.39	
66			680	101.94	100.72	1.22	
67			610	102.64	100.84	1.80	
BM			85	107.89			
68			665	102.09	100.97	1.12	
69			680	101.94	101.10	.84	
70			726	101.48	101.23	.25	
⊙ 310	104.34		750	101.24			
71			345	100.86	101.35		.49
72			468	99.66	101.47		1.81
73			530	99.04	101.59		2.55
74			530	99.04	101.71		2.67

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Corner stone Sta 54+18							
60+40 12" Sewer							
67+50 Road from south NE corner of lot at SW of reference							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
75		104.34	4.15	100.19	101.84		1.65
76			2.08	102.26	102.00	1.26	
⊙	5.5	218.13	1.73	<u>102.61</u>			
77			5.70	102.43	102.00	.43	
78			5.15	102.98	102.00	.98	
79			4.40	103.73	102.00	1.73	
80			4.78	103.35	102.00	1.35	
81			7.30	100.83	100.09	.74	
82			8.50	99.63	98.18	1.44	
⊙	15.5	101.63	6.05	<u>100.08</u>			
83			3.00	98.63	96.27	2.36	
84			7.54	94.09	94.37		.26
84 +			8.92	<u>92.71</u>			
85 +			9.16	92.47	92.47		
86			12.38	89.30	92.47		3.17
87			12.25	89.39	92.47		3.09
88			9.88	91.75	94.31		2.56
89			3.45	98.18	96.15	2.03	
⊙	5.69	107.16	.16	<u>101.47</u>			
90			1.64	105.52	98.00	7.52	
90 + 35			.75	<u>106.41</u>			
91			3.17	103.99	98.00	5.99	
92			9.42	97.74	98.00		.26
93			11.62	95.54	98.00		2.46

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

Coleman's well

E end of bridge
W "

90 + 5 gate on S
90 + 15 " " N
90 + 35 beyond on hill

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
94		107.16	11.79	95.37	98.00		2.63
95			10.00	97.16	98.00		.84
95 +			9.40	97.71			
95 +			9.00	98.16			
B.M.			10.00	97.15			
96			8.35	98.81	98.00	.81	
97			3.50	103.66	101.00	2.66	
⊙	12.32	117.25	2.20	94.93			
98			7.40	109.85	104.00	5.85	
99			3.90	113.35	107.00	6.35	
100			2.08	115.17	110.00	5.17	
100 + 50			.40	116.85			
101			2.15	115.10	110.80	4.30	
102			4.10	113.15	111.60	1.55	
103			5.70	111.55	112.40	.85	
103 + 85			5.80	111.45			
104			5.85	111.40	113.20	1.80	
105			4.35	112.90	114.00	1.10	
⊙	39.7	20.92	.30	116.95			
106			3.38	117.54	114.80	2.74	
106 + 10			2.90	118.02			
107			4.74	116.18	115.60	.58	
108			4.90	116.02	116.40	.38	
109			4.25	116.67	117.20	.53	

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

E end of bridge
W "

SE corner cop stone W abut

High point of crest

12" tile in ground

High point small

Estimate Post Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
							3770.00
							750.00
							250.00
							105.00
							56.00
							300.00
							3725.00
							3000.00
							3500.00
							<u>15456</u>
							1545.60
							17001.60

M H A-buckle Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Beginning 1/2 mi Stone Sec 16							
T 16 N R 1 E							
B. ash 5' diam S 20 W 34 ft							
Granite Rock 3' x 2' S 87 E 83 ft							
to Cen W Cen Sta 13421							
15 feet north of stone in fence corner.							
Thence with R def 29' to sta							
26 + 39 westward halfway between							
end posts							
passing over bridge center							
thence def left 37' to sta							
39 + 57 no stone when below							
Cen W Cen and E 2 mi and							
Cen S 2' and Cen N E 4							
Stake 46 and 30' west of							
line 6' from 15' each							
of corner post between 4 mi							
and Stone 52 + 92							
thence deflecting to right							
39' to point 6' east of stone							
at Cen N E 4 sta 66426							
Stone witness by element							
end post 17 ft north							
to point 15' north of stone							
at N E cor sec 16							

6626	3957	2639	2192
2292	2639	1321	3957
1334	1318	1318	1875
			7940
			6626
			1314

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
Sta	79 + 39.5						
	375						
to sta 91 on to Cen N NW 4							
170 ft deflect left 39041'							
184 ft right deft 115044'							
to point on boundary right							
def 190 30' Sta 98 + 25							
at def 410 back sight to point							
bridge. Precisely cut N 450 E							
2 ft							
9284							
1.25							
94.07							
At def 250 20' to sta 98							
At def 40 30'							
103 + 78 Creek							
(Cen N NW 4)							
Cen N E 4 ft on creek							
Sycamond 5 20 ft							
at ash S 80 E 61 ft							
Census section line 100 ft S							

90
66 4'
23 36'

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

4 Sta 108

W ant 8" N 70 W 63'

Sycamore 7" N 45 E 52'

Left def 230 56' Li 111 + 42

Sugar 24" N 50 W 34'

Red bud 3 branches 1" 20 E 26'

Right def 150 Li Sta 113

Apr def 30 25' 4 120 + 2

Left def 28' Li 133 + 42

N E corner 90' Elev 16" N 79 E 86'

Sugar 1" S 60 W 40'

N 30 E 65'

Mc Cord Hatch

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
38				110.01	105.09			BM				114.09			
0				109.43											
1				109.81	105.31										
2				110.75	105.59										
3				110.47	105.89										
4				110.84	106.55										
5				111.85	106.87										
6				111.55	107.37										
7				112.15	107.67										
8				112.63	108.28										
9				112.68	108.57										
BM	.29	114.38		114.09											
38				4.44	109.94										
1				4.56	109.82										
2				3.53	110.75										
3				3.65	110.73										
4				3.25	111.13										
37	3.43	112.70		5.11	109.27										
96				3.36	109.34										
35				3.78	108.92										
34				4.36	108.34										

Yout Road
50
6

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

Sta 1.6							
	135						
	34						
	50						
	185						
	50						
	270						
	70						
	493						
	50						
	270						
	70						
	493						
	50						
	270						
	70						
	493						

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

23	2.43	82.77		80.34			
1				8.90	73.87		waterline
2				4.20	78.57		
3				4.65	78.12		
4				6.39	76.38		
4	4.87	81.25					
5				7.64	73.61		waterline
6				7.70	73.55		waterline
7				4.40	76.85		
8				4.20	77.05		
9				4.20	77.05		
10				6.50	74.75		
16+70				71.11			
Road				3.70	77.55		
Sta 16+70							arch culvert
W L							30' below waterline at 5'

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

Beginning on North line of
Stone of Sec 28 TP 16 N R 1
24" in diameter S 50° W .72 ch
S 80° E .84 ch. Thence S 25°
Sec 28 witnessed by Concrete
and W. Cherry 24" in diam
Thence east along S side
Stone witnessed by an elm
and a W. Cherry S 40° E .30
E to stone at Cen S.
hook N 30° E .66 ch and
.68 ch. Sta 66+55
West of the stone at
by

Thence northward to a
stone at the E 2 mi of
Beech 26" in diameter S 37°
E .23 ch Sta 106+71
left 89°, westward to
the end of the Road

$$\begin{array}{r} 11249 \\ 10671 \\ \hline 578 \end{array}$$

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

Washington Tp at Wm
E witnessed by a hickory
and NW corner of house
to stone at SW Cor said
Corner post N 45° E .39 ch.
ter S 45° W .30 ch. Sta 26+85
of said Sec 28 to S 1/2 mi
14" in diam S 55° W .45 ch.
Ch. Sta 53+21. Thence
SE 4 witnessed by large
Beech 30" in diam S 30° E
Thence E to a point 12.6'
SE Cor said Sec 28 with

Sta 79+78
point 8.4' beyond the
said Sec 28 witnessed by
W .24 ch and a stone
Thence deflecting to the
Sta 112+49 which is

Jan 29 and 30 1914

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

5
1

4.10
1.32
2.78
4.50
7.28

0

.65 101.20

100.54 100.55

1

2.41 98.79 98.77 .02

2

4.13 97.07 97.00 .07

B.M.

1.20 100.00 97.00

2+80

5.79 92.41

3

5.42 95.78 97.00 1.22

4

5.90 95.30 97.00 1.70

5

5.41 95.79 97.00 1.21

6

5.38 95.82 97.00 1.28

7

5.10 96.10 97.00 .90

8

3.81 99.91

4.00 95.91 97.00 1.09

9

4.42 95.49 97.00 1.51

9+30

9.26 90.65

10

3.99 95.93 97.00 1.07

11

1.84 98.07 97.33 .74

12

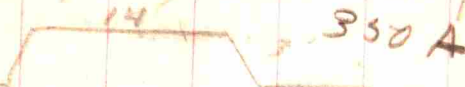
1.22 98.69 97.67 1.02

12 4.09 102.69

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

150
3802
6498

Top of end post, W side 100 ft 2+20
10 joints 24" sewer pipe flaws
S 60° E overflows 5' water way



Clear section 2 to 2+30
6" dia. pipe 24" back to 2+30
34" T. Judge had to go 24" dia +
9+30 30" dia shell 20' long
flaws to 60° E

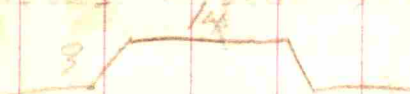


Clear section 9 to 10

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
13	4.00	102.69	4.02	98.67	98.01	.66									
14			4.16	98.53	98.34	.19									
15			4.24	98.45	98.68		.23								
16			3.93	98.76	99.00		.24								
17			3.44	99.24	98.90	.34									
18			3.20	99.49	98.81	.68	.66								
18	1.93	101.42													
19			2.67	98.73	98.72	.01									
20			4.11	97.31	98.63		1.32								
21			5.11	96.31	98.54		2.23								
21+27			5.15	98.24											
22			4.92	96.50	98.45		1.95								
23			3.00	184.2	98.36	.06									
23	2.10	103.52													
24			5.30	98.22	98.27	.05									
25			5.64	97.88	98.18		.30								
26			5.31	98.21	98.09	.12									
26+53			4.90	98.62											
27			5.80	97.72	98.00		.28								
28			7.20	96.32	97.54		1.22								
29			7.80	95.67	97.08		1.41								
30			8.55	94.97	96.62		1.65								
30	3.94	98.91													
31			4.25	94.45	96.16		1.71								

file from 16 feet back side

10 joints 5" sand pipe + lines E
overhead 70' back from sta



change 21 to 22

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
BM		96.91	27	98.64			
32	3.24	98.91	4.90	94.01	95.70		1.69
33			5.17	93.74	95.24		1.50
34			5.00	93.91	94.78		.87
35			4.2	94.71	94.82	.39	
36			3.2	93.75	93.86		.11
36	2.58	96.33					
37		2.93	93.40	93.40			
38		3.98	92.35	92.26	.09		
39		5.23	91.10	91.13		.03	
40		6.32	90.01	90.00	.01		
41		7.30	89.03	90.00		.97	
42		1.95	88.43	90.00		1.57	
42	5.74	94.17					
42 + 40		3.43	85.74				
43		6.00	88.17	90.00		1.83	
44		5.45	88.69	90.00		1.31	
45		4.68	89.49	90.00		.51	
46		4.26	89.91	90.00		.09	
47		4.40	89.77	90.00		.23	
48		4.66	89.51	90.00		.49	
48	3.53	93.04					
49		4.85	88.19	90.00		1.81	
BM		.58	92.46				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
31 + 30							
top concrete box just S. side culvert							
$\begin{array}{r} 98.64 \\ 35.02 \\ \hline 63.62 \end{array}$							
$\begin{array}{r} 92.46 \\ 35.02 \\ \hline 57.44 \end{array}$							
10 joints 5" sewer pipe 4' from S. side 15" man hole 15' level							
BM ⁴⁸⁺⁴² top of culvert on foot S. side road							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
50	3.53	93.04	5.17	87.87	90.00		2.13								
51			4.70	88.34	90.00		1.66								
49+60			7.12	85.92											
52			5.22	88.81	90.00		1.19								
53			2.70	90.84	90.00	.34									
54			2.70	90.28	90.00	.28									
54	40.0	94.88													
55			4.57	90.01	90.00	.01									
56			4.60	90.26	90.00	.26									
57			4.10	90.25	90.00	.25									
58			4.77	90.18	90.00	.18									
59			5.01	89.87	90.00	.13									
60			5.77	89.09	89.10	.01									
61			6.64	88.24	88.21	.03									
61	22.0	90.44													
62			3.12	87.32	87.32										
63			3.27	87.17	85.54	1.63									
63+30			4.50	85.64											
64			2.70	87.74	88.77	3.97									
65			4.76	85.68	82.00	3.68									
66			4.64	85.80	78.83	7.47									
B.M.			.94	89.50											
67			7.50	82.41	74.66	7.78									
0			11.86	78.58											

8" sewer pipe
15" iron pipe
20' level

Puller gate

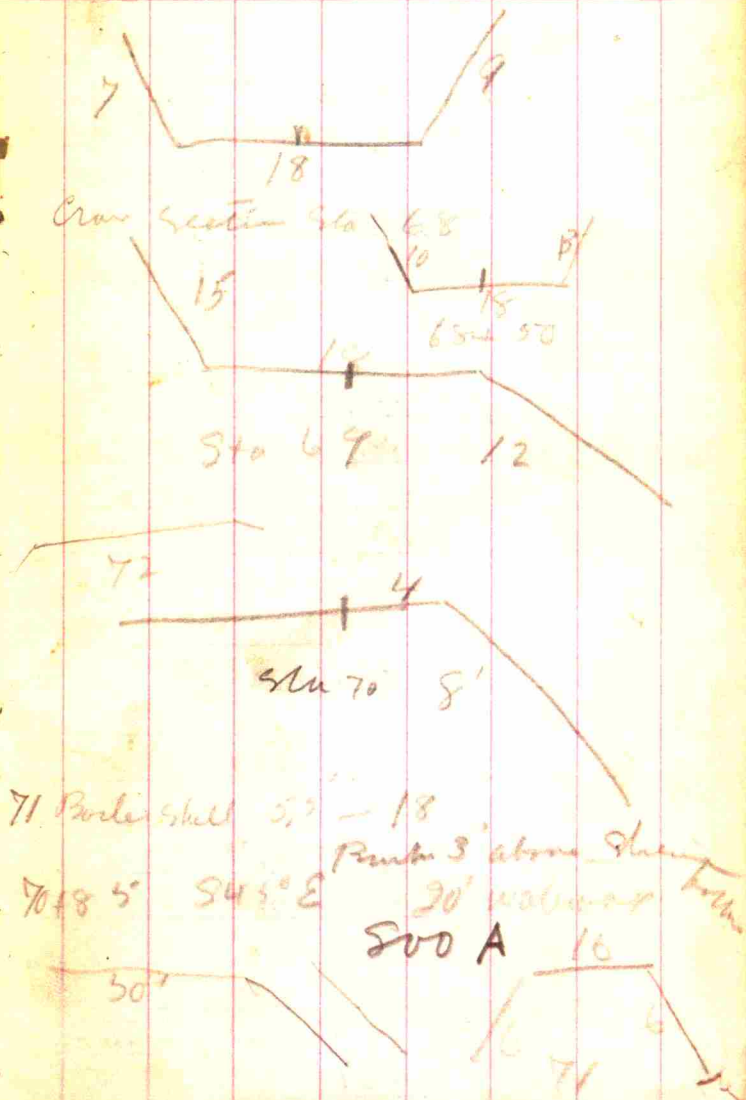
89.50
35.02
54.48

12" pipe South

Merrill gate

66+55
67' level South and gate

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0	1.21	79.79													
68			2.50	78.99	71.00	5.99									
10			12.24	77.54											
0	37	67.91													
69			14.46	66.46	67.33		.87								
70			12.33	55.68	63.66		8.08								
70	.35	65.93													
71			4.92	51.01	60.00		8.99								
71	bottom		11.94	43.94											
72			7.17	48.74	58.00		9.26								
73			7.90	49.03	58.00		9.97								
74			5.82	50.11	60.00		9.89								
75			6.15	53.26	63.68		8.36								
75	4.61	66.93													
76			12.16	57.22	67.37		1.65								
76	12.11	78.83													
77			1.35	76.98	71.06	5.42									
77	10.73	87.21													
78			2.21	85.00	74.74	10.26									
79			2.10	85.61	78.42	6.69									
80			4.93	82.23											
80	9.37	91.10													
86			4.00	82.10	82.10										
87			9.07	82.10	83.12		1.02								



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
82		91.10	6.92	84.18	84.14	.04		80+45							
83			5.42	85.65	85.16	.49		end 4. below 80							
84			4.84	86.25	86.18	.07		was 1							
85			3.91	87.19	87.19			15 ft							
86			3.89	87.21	87.66		.45								
87			3.60	87.50	88.13		.63								
88			2.60	88.50	88.60		.10								
88	531	93.81													
89			1.45	92.36				end							
86+50			7.35	86.46				top post 2 3 100 road to 57							
89			4.50	89.31	89.07	.24		12 ft							
90			4.35	89.46	89.55		.09								
91			3.80	90.01	90.03		.02								
92			3.32	90.49	90.51		.02								
93			2.40	91.41	91.00	.41									
93	453	95.94													
94			5.30	90.64	91.00		.36								
95			5.50	90.44	91.00		.56								
96			5.25	90.67	91.00		.31								
97			5.07	90.87	91.00		.13								
98			5.21	90.83	91.00		.17								
99			4.88	91.14	91.00	.14									
100			5.01	90.93	91.00		.07								
101			5.31	90.63	91.00		.37								

80+45 end 4. below 80
was 1
15 ft
22
7450

end
top post 2 3 100 road to 57
12 ft
100 rd
5 ft for 92 back 80+45

9236
3502
5734

5 ft
100 rd

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
101	2.80	93.43													
102			2.80	91.63	90.53		.08								
103			2.73	90.76	90.12		.58								
104			8.13	85.30	89.69		4.39								
105			9.13	84.30	89.26		4.96								
105	1.49	85.79													
104 + 50			11.6	74.15											
			4.68	81.11											
105	10.53	94.83													
106			6.32	88.51	88.88		.37								
106 + 71			4.56	90.27											
107			4.44	90.40	88.40		2.00								
B.M.			1.88	92.95											
108			4.36	90.47	87.97		2.50								
109			6.96	87.87	87.64		.33								
109	4.00	91.87													
109 + 60			10.52	81.35	87.51										
"			7.71	84.16											
110			4.89	86.99	87.11		.12								
111			1.45	90.42	86.68		3.74								
112			4.24	87.63	86.25		1.38								
112 + 49			2.83	86.04	86.04										

W 3.0
24
E
e.s. 10.4 and 10.5

bottom E side
" W side
16" section
2
3/E

road intersection 24
10 + 40
S wall
edge
12

bottom E side
S
12" diam to 14" diameter

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
13	9545	492	9053	90.53			
14		4.73	90.72	89.42	1.30		
15		6.56	88.89	88.32	.57		
16		10.21	85.24	87.22		1.98	
17		9.33	86.12	86.12			
Bm		7.7	(87.75)				
Bm	2.61	90.36					
18		5.60	84.76	86.12		1.36	
19		6.45	83.91	86.12		2.21	
20		6.53	83.81	86.12		2.31	
20+20		8.87	(81.49)				
20+20		7.06	(83.36)				
21		4.90	85.46	86.12		.66	
22		5.38	87.83	89.41	.42		
22	11.58	91.71					
23		4.80	96.91	92.70	4.21		
24		2.67	99.02	96.00	3.02		
25		2.08	99.63	96.00	3.63		
26		1.68	100.03	96.00	4.03		
26	12.11	161.24					
27		1.50	99.44	96.00	3.44		
28		1.49	96.29	94.00	2.29		
29		1.03	90.93	92.00		1.07	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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W end S Janapit Avenue

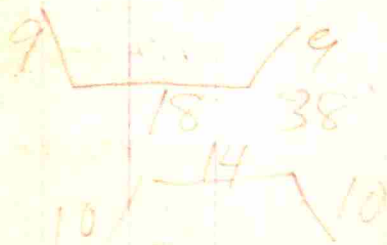
12' Pipe N end S end

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

29	101.24	101.24	91.15				
0	2.5		493.99				
30			57.0	88.29	92.00	3.71	
30+20			8.1	85.82			
			9.0	84.77			
31			5.8	88.17	92.00	3.83	
32			2.3	91.71	92.00	.29	
33			4.9	89.09	89.79	.70	
34			6.4	87.57	87.57		
34	7.0		394.60				
35			4.3	90.22	84.50	5.72	
36			4.1	390.47	81.42	9.05	
36+50							
37			5.8	88.72	78.35	10.37	
38			12.2	82.32	75.27	7.05	
38	.28		82.60				
39			10.4	72.20	72.20		
39	1.28		73.48				
BM			5.3	68.10			
BM			2.6	70.88			
BM			11.0	61.84			
BM			4.9	69.56			
				72.20		3.64	

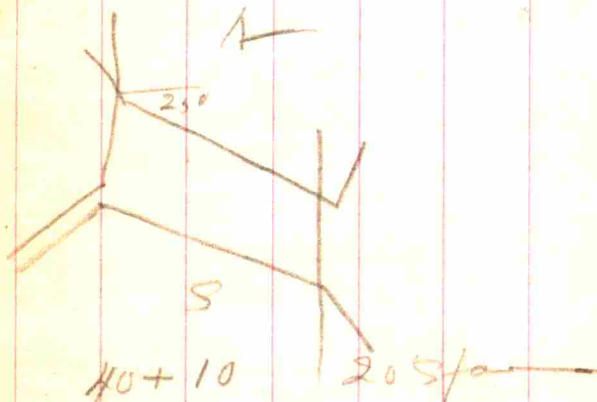
STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

to send
to end 2' distance

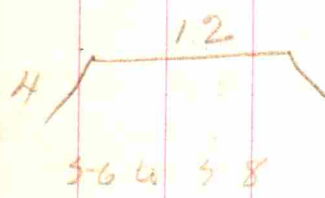


part NE 1/4 Sec 39

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
B.M.	9.87	74.15		(70.88)			
41			6.62	68.13	72.20		4.07
42			5.85	68.80	72.20		3.40
43			4.85	69.90	72.20		2.30
40			3.44				
44			4.56				
adjustment							
43	7.33	77.23					
44			4.90	72.33	75.96		3.63
40			.07	(77.16)			
0	11.72	88.88					
45			9.50	79.38	79.72		.34
46			2.32	86.56	83.48		3.08
46	9.00	95.56					
47			5.00	90.56	87.24		3.32
48			3.97	91.59	91.00		.59
49			4.17	91.39	91.00		.39
50			3.25	92.31	91.00		1.31
51			2.70	92.86	91.00		1.86
52			2.76	92.80	91.00		1.80
52	2.36	95.16					



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
53		95.16	4.57	90.65	91.00		.35								
54			8.9	86.20	87.00		.80								
55			12.5	82.66	83.00		.34								
55	-30	82.36													
56			6.00	76.36	79.00		2.64								
57			6.94	75.42	79.00		3.58								
X			7.04	75.32											
X	214	78.46													
57+20			12.2	(66.21)											
58			3.00	75.46	79.00		3.54								
59			-2.5	78.71	79.00		.29								
59	12.0	90.72													
B.M.			6.20	(64.52)											
60			8.34	82.38	82.66		.28								
61			.00	90.72	86.33		4.36								
61	6.80	97.52													
61+40			3.2	(94.28)											
62			2.91	91.61	90.00	1.61									
63			6.02	91.50	91.46	.04									
62+80			9.5	(87.96)											
64			4.70	92.32	92.93		.61								
65			2.7	94.79	94.39	.40									
66			1.66	95.86	95.86										
66	5.4	101.27													



How can bricks arch

10' span arch east

top 3 gate fort to side

B.M. End walk Thompson find gate

64.50
Cater tower

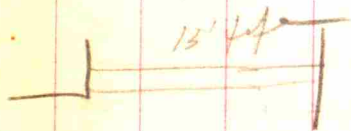
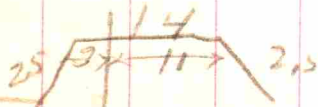


[62+80]

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
B/M		101.27	4.87	(96.40)			
67			47	96.49	95.66	.83	
68			49	96.37	95.97	.90	
69			48	96.46	95.27	1.19	
70			57	95.51	95.08	.46	
71			63	94.89	94.88	.01	
72			62	95.03	94.68	.35	
73			64	94.82	94.49	.33	
74			66	94.60	94.29	.31	
74	.90	95.50					
75			110	94.10	94.10		
76			57	89.30	90.19	.29	
77			75	87.70	86.08	1.62	
76 + 80				(79.70)			
78			76	87.95	82.07	5.78	
0			115	(84.00)			
0	.94	84.94					
79			500	79.94	78.06	1.88	
B/M			64	(78.54)			
Road X			94	(75.00)			
0			124	(72.49)			
0	-30	72.19					
			6.00	(67.19)			
			8.30	(63.89)			

Big rock SE corner line of Road

from 66 to 73



8' below Sta 77 Road

top of ~~the~~ fort south of pipe hole
E side of Road running north

100' north on road
200'

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
80		72.19	6.83	65.36	74.04		8.68
①			12.37	(59.82)			
②		-7.70	59.12				
81			22.45	56.88	70.03		13.15
82			4.55	54.57	66.02		11.45
83			5.36	53.76	62.01		8.25
84			5.82	53.30	58.00		4.70
85			6.24	52.88	57.78		4.90
85	37.0	56.58					
86			4.18	52.40	57.53		5.13
87			4.58	52.00	57.32		5.32
88			4.57	52.08	57.10		5.02
89			5.00	51.58	56.88		5.30
90			5.02	51.56	56.66		5.10
91			5.30	51.28	56.44		5.16
B.M.			1.22	(55.36)			
BM 40	56.26						
92			6.04	50.22	56.22		6.00
93			6.11	50.15	56.00		5.85
93 + 40			14.00	(42.26)			
③			7.00	(49.26)			
④	7.54	56.80					
94				49.26	56.25		6.99
95			7.90	48.90	56.20		7.60

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

Cor for New iron bridge

line of sight level lower in fence
road on side

Stream bottom 3 feet 80'
14' Roadway

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
112	80.07	1.01	79.06	72.87		6.19	
112	6.50	85.56					
113			3.80	81.76	77.16	4.60	
114			4.10	81.41	81.46		
115			1.51	81.05	81.29		.24
116			4.92	80.64	81.12		.48
B.M			1.62	83.94			
117			5.21	80.35	80.96		.61
118			5.09	80.47	80.80		.33
118	5.30	85.77					
117	6.0		8.50	77.27			
119			5.01	80.76	80.64	.12	
120			4.80	80.97	80.48	.49	
121			4.63	81.12	80.32	.80	
122			5.24	80.53	81.16	.63	
123			6.70	79.07	80.00		.93
123	4.41	83.52					
124			4.99	78.54	80.00		1.46
124			9.60	73.92	bottom		
125			4.11	79.40	80.00		.60
126			2.82	81.20	80.57	.63	
127			1.70	81.82	81.14	.68	
128			1.87	82.15	81.71	.44	
128	6.00	88.15					

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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Stamp & height for side

3' ft north

3' ft north



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
129		88.15	5.7	82.45	82.29	.16									
130			5.1	82.97	82.86	.11									
131			4.1	83.96	83.44	.52									
132			3.5	84.60	84.01	.59									
133			3.5	84.59	84.59										
133+42				84.60	84.84										
BM	9.75	65.11		55.36											
93			9.04	56.07											
Water				45.57											
94			7.65	57.46											
95				58.64.26											
96			4.9	260.19											
97			9.5	55.56											
97	8.5	56.41													
98			3.63	52.78											
99			4.6	51.80											
100			4.7	51.70											
101			4.2	52.21											
101	4.64	56.85													
102			4.6	52.25											
103			4.54	52.01											
			8.4	48.37											
104			4.10	52.75											

tile back 4 cont. pipe on S side

10.5 below

Water

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
105		5685	3.50	53.35			
BM-25				5660			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
2d line part of art tree							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
flow	6.63						
	<u>4.00</u>						
	2.63						
82	3.83	121.44		117.61			
83				117.55			
84			5.84	115.60			
85			4.18	117.26			
86			3.85	117.59			
87	6.37	124.21	3.60	117.84			
88			6.02	119.19			
89			5.08	119.13			
90			4.32	119.89			
91			3.63	120.59			
92			2.84	121.37			
93			2.07	122.14			
94	5.86		1.41	122.80			
95		128.66	4.54	124.12			
96			3.38	125.28			
97			5.79	122.87			
98			5.07	123.59			
99	6.6		4.86	123.80			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
				117.61			
				<u>3.83</u>			
				121.44			
				<u>117.55</u>			
				3.89			
				121.44			
				<u>117.26</u>			
				4.18			
				121.44			
				<u>117.59</u>			
				3.85			
				124.21			
				<u>119.13</u>			
				5.08			
				124.21			
				<u>119.89</u>			
				4.32			
				124.21			
				<u>120.59</u>			
				3.63			
				124.21			
				<u>122.14</u>			
				2.07			
				124.21			
				<u>122.80</u>			
				1.41			

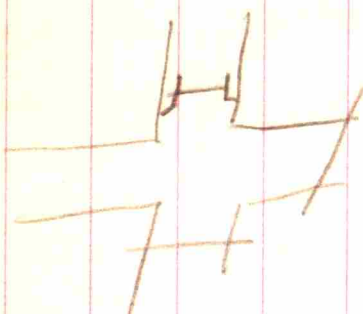
138 Culverts Perry Hill Road

139

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0			4-20				
0+25			7.60				
Refer to Station Profile							
3			4.90				
3+25			7.15				
11			4.90				
11+40			7.10				
			6.35				
13			5.60				
13+80			7.69				
19			6.20				
19+60			8.50				
			7.70				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
outlet can not use iron pipe							
8" catch basin							
Straight header							
15' pipe 28'							
18' pipe 26' long							
Rt of way 1/2 300'							
18' — 26' long							
Rt 30'							

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
24+41			5.10												
24+41 end			9.60		flow on										
24+41 S end			9.00		18" under grade										
					flows north										
(12)															
28+30			4.90		12" pipe under 24"										
	N		7.15												
	S		6.24												
32+35			5.30												
	S		8.70		24" N 40 E										
	N		8.55												
33	Road														
	W	2 mi	4.80		12" fit. 24" pipe										
	E	as above	5.20		E										
44+3			4.90		12" fit. 24" N										
44+3	N		6.60												
	S		6.45												
46+1			4.95		12" - 24" N										
46+2	N		6.25												
	S		6.25												



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
			None at	5.1			
53			4.70				
53+27	A		6.40		12"		
	S		6.68				
59			5.20				
59+7	A		7.95		18"		
59+7	S		8.10				
64+8	S		No sewer needed				
67			5.10		12" 24"		
66+93	A		7.25		16" 24"		
"	S		7.05				
68			5.10				
68+30	A		8.30		12" 24"		
	S		7.25		16" 24"		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
73				5.20			
73+18	A			11.60			
"	S			8.85			
Concrete over pipe							
83			4.35		18" 24"		
83+42	A		7.95		18"		
"	S		9.25				
Catch basin slope 89 both sides to runway E 200ft							
96			4.55		S 300 ft		
96+52	A		7.50		driving 40 ft		
96+52	S		8.45		driving 40 ft		
15" pipe 20' long in place							
98			4.45		3'		
98+51	A		7.40		S		
"	S		8.20		25'		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
105			4.70				
105+30	N		945				
105+30	S		935				
124			3.05				
124+10	A		8.60				
	S		8.60			4' 2"	
131			4.55				
131+42	W W		7.85			24" E	
137			4.30				
137+71			6.10			12' pit E	
146			4.50				
146+25			7.80			15"	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
							8' flat top
148			6.50				
147+82	S		10.00				15' pipe
"	N		8.95				
149			5.65				
149+12			7.35				12' pipe
154							12' c span 5' depth
							12' long
119							12' span 6' waterway

146 Estimate Arbuckle Road

147

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
filling Creek bottom 2000 yd															
Cutting and filling 7000 yd															
Arch	4+60			32 yd											
"	57+20			71 yd											
"	40+10			120 yd				Creek				2753			
Culvert	20+20			6.5 yd								3799			
"	30+20			10.5 yd								8552			
"	62+80			headers 3 yd											
"	76+80			8.3 yd											
"	117+60			8.4 yd											
"	124			9 yd											
Sleeping Grade															
Tile	62+80 to 64+80			12 tile											
"	117+60 to 114+80			4" tile				Creek							
"	119 to 124			4" tile											
"	133 to 124			4" tile											
Gravel	4480			yds											
Stone	1120			yds											
Spreading Gravel and stone															
Abutments and moving bridge															
New bridge Sta 103															
								117+60 culvert							

148

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL		
Sta 93 + 01																	
5 76° E																	
between 93 and 94 line 15'								at						end	fork	South	
" 100 and 101 " 15'								"						"	"	South	
101 + 45 0+								30'								W. yard	
5 69½° E																	
line between 101 and 102								Cherry				15'			South	lanceolate	fork
" " 118 " 119								12'							North	walnut tree	
120 + 88 bridge																	
direction of bridge N 85° E																	
Adjustment of level																	
W end								4.95									
E end								5.02									
								.07									
								4.85									
								.07									
								<u>4.78</u>									

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

	11.45	2.75		9.00			
		11.45		0.00			
		11.45		4.00			
		7.80		3.65			
		7.60		3.85			
		7.90		3.55			
		6.80		4.65			
		12.00		10.25			

24

Grade 90' north
" 166' south

250 x 4 x 10
 27/10000 (370
 81
 190
 189

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

					Road surface		
					Water E		
					W		
					Wing NE		
					SE		
					NW		
					SW		
					B.M. Post SW cor		
					S.H. ground		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
92	5.70	96.19		90.49											
93.			4.80	91.39											
94			5.70	90.49											
95			6.30	89.89											
96			6.45	89.74											
96	3.45	93.19													
97			3.45	89.74											
98			3.67	89.52											
99			5.70	87.49											
99+80	S		7.90	85.29		3027									
	N		6.90	86.29											
100			6.35	86.84											
101			6.60	86.59											
	2.70	89.29													
101+40			1.40	89.89		5387									
			3.25	86.04		5102									
102			6.15	83.14											
103			9.15	79.79											
104			11.80	77.49											
104	30	77.79													
105			5.20	72.59											
106			10.30	67.49											
106	105	68.54													
107			4.20	64.34											

12" pipe

B.M. from blanch. walk end N
falls to base lot S

S	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
9	108		68.54	6.14	562.09			
9	109			8.60	59.94			
9	110			10.45	58.09			
9	110	.15	58.24					
9	111			2.00	56.24			
9	112			4.70	53.54			
9	113			8.85	49.39			
9	114			12.90	45.34			
9	114	2.15	47.49					
9	115			4.50	42.99			
10	116			6.05	41.44			
10	117			9.20	38.29			
10	117	2.30	40.59					
10	118			4.80	35.79			
10	119			5.67	35.02			
10	120			4.74	35.85			
10	120	4.88		3.30	37.24			
10								
10								
10								
10								
10								
10								
10								

South field 3' lower from
114 to 117

End white high Buddy

Dec 18 57 17 N 22 1 W

Can A SW 4 ch 10 S 7° W 125
by 18 N 77 E 27

Can S SW 4 56 = Birch 18 N 87 E .09
Horn 5 386 W 21

94.34 rods N of Can S SW 4
8 x 8 x 16 Bush 20 N 77 E 60

Can W Can 2 x 12 x 17
grey wh 6 N 76 1/2 W .43 1/2
" 8 N 71 W .66 1/2

114.09
29
124.38
4.44
109.94

109.27
9.43
112.70

.435
66
2610
2610
28710

.665
66
3990
3990
43890