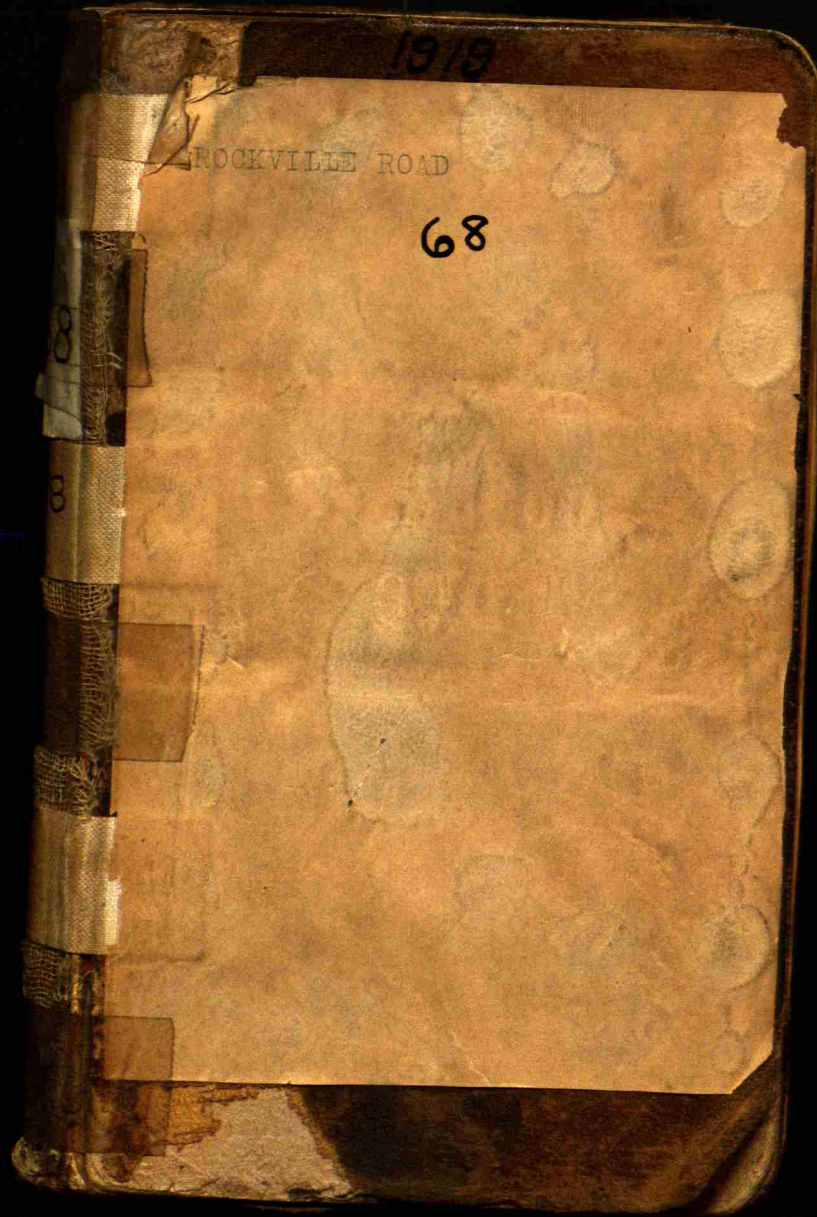


← A4 →

← LETTER →



1918

ROCKVILLE ROAD

68

8

8

**KEUFFEL & ESSER CO.**  
DRAWING MATERIALS  
AND  
SURVEYING INSTRUMENTS.

NEW YORK.  
CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

**Tables for Excavations and Embankments.**

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.  
ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.  
FOR SINGLE TRACK EXCAVATION.

"Copyright, 1895, by Keuffel & Esser Co."

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
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16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
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26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

107.2L  
P. Des Moines SC 7/10/11  
28 3.8 6.19  
68 4.15 180

Mrs Barker. To Eva Coleman.  
Valley Mills.  
E. R. Holt & then go

Rogers Ely  
6.1 pts. Strawberries

Hudley Barn 2° 31' N Small W  
House 6° 15' N. 5th W

180  
109.56  
90.09 - 180  
143.19  
N 71.41 W  
100  
642  
35.8  
125.70

- 178 -

← A4 →

← LETTER →

456

123

323

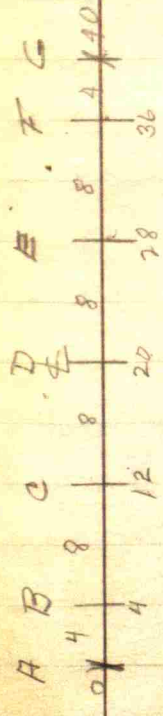
456

877

733

487.5.3 Pe

4



E1 50 Geodetic Stone N.E. cor 133.33 - on Co. Pac. E. 112.  
or E1 820.30 Datum M.S.L.

193.03. Try at Sta  
= 880. M.S.L.

Sta	X	Rockville				Rd.			S.B.	X	Y
		A	B	C	D	E	F	G			
		195.75	196.04	196.45	196.66	196.07	196.63	196.37			BM-EI, 200.00
0+00		195.46	195.99	196.06	196.50	196.07	196.45	196.23			Arrow Head Fire Hydrant Cor. Main & Washington St or 886.97 M.S.L Datum
0+65		193.16	193.85	194.13	194.30	194.40	194.26	193.83			
1+29		191.15	191.55	191.81	192.15	192.20	191.97	191.51			
2+00			188.80	189.43	189.57	189.52	189.29				Arrow F.H. Indiana 5189.13
2+75			186.75	187.09	187.29	187.33	187.35				
2+98		186.53	186.67	186.88	187.10	187.33	187.30	187.37			
2+91		186.68	186.84	186.93	187.10	187.28	187.40	187.46			
3+04		186.35	186.45	186.63	186.85	186.89	186.83	186.75			
3+09		186.46	186.44	186.56	186.69	186.70	186.58	186.95			
4+00			183.92	184.37	184.70	184.43	183.93				
4+65		183.33	183.18	183.59	184.00	183.71	183.13	183.77			
6+00					181.75						
6+04		182.28	181.81	181.89	182.16	181.82	181.72	182.30			
6+06.5		181.88	181.60	181.84	181.91	181.88	181.65	181.80			
6+20		181.78	181.78	181.84	181.92	181.90	181.57	181.84			
6+33.5		181.60	181.42	181.69	181.70	181.64	181.45	181.60			

V 133'  
W 47'  
50 FT.

N 56° E 80'  
V 161.112  
D 60.150  
75.380  
10° E 52'  
H 101.60

41° E 95'  
45° E 70'  
52° E 100'

BM 185.25 Arrow  
S.H. Tenn & Main St

570

0+00 E Side Curbing that binds pavement bet. 1<sup>st</sup> Nat & G Grocery, Center bet. Curbs 12' wide

0+65 No Stone Drive near Banks Sight Thompson

1+29  $\phi$  12" N  $\phi$  5" Alley 30' bet. curbs

2+00 Stake Jobb (S 67° 45' E 122') Billie (S 47° E 84') N 50° 15' W 63' Bower (N 2° 35' W 29')  
 Cooley (S 89° 3' E 170') Williams (S 20° 55' E 60') N 24° 17' W 42' Hadley (N 34° 12' E 60')  
 RES (width 30 FT.) (S 19° 44' E 102') N 10° 13' W 108' (DEPTH 55 FT.)

2+75  $\phi$  4-6" side w. W side N Ind St

2+78 West curb

2+91  $\phi$  Retrack

3+04 E curb line

3+09  $\phi$  E. Sidewalk Ind St

4+00 Stake Emma (S 30° E 151') Tom (S 41° 45' E 111') Jobb (S 10° 45' W 91')  
 Richard (S 32° E 97') Benton (S 13° 05' E 92') Underwood (N 49° 40' W 90')  
 RES (Depth 45') (RES.) (RES.) (RES.) (RES.) (RES.)

465 No Stone Alley 465

6+00 Stake Lot (S 64° 11' E 54' 11") Chas (S 10° 45' W 91' 11") Chas (N 41° 33' W 68') Mary (N 43° 11' E 95')  
 RES (S 57° 9' E 73' 6") Sheets (S 55° 25' W 66") Williams (N 26° 17' W 31') Smith (N 50° 45' E 78")  
 (S 41° 20' E 86' 6") (RES.) (RES.) (RES.)

6+01  $\phi$  4-6" side walk N Tenn.

6+065 W curb

6+20  $\phi$  N Tenn.

6+335 E curb

Bearing N 90° - 108' E to Sta 13+07

BRICK (N 56° E 87')  
 cobblestone (N 16° E 112')  
 RES (Depth 50')  
 John (N 49° 40' W 90') Tom (N 70° 38' E 61')  
 Underwood (N 35° 10' E 61') Bud (N 10° 15' E 52')  
 RES (N 12° 49' W 102') RES (N 41° 55' E 60')

W 79° 53' W 200' 6"  
 N 75° 00' W 139'  
 (DEPTH 50 FT.)  
 (DEPTH 50 FT.)



10 12

6+36 ♀ W. 4'-6" side W

7+00

7+84 ♀ P.I. Mantle Cover to Sewer 22" diam ♂ 10' W

8+00

Suberg	N 27° 13' E 50'	Breding	N 24° 39' W 106'
Res.	N 52° 41' W 41'	Res.	N 38° 54' W 104'
	52' deep.		N 59° 30' W 45'

Widdow	S 53° 39' W 80' 6"	Widdow	S 3° 24' E 91'
Seers	S 46° 53' W 62'	Boven	S 17° 18' E 51'
Res.	S 28° 11' W 104'	Res.	S 22° 1' E 54'

9+00

9+34 ♀ Side w. w. side N. Wayne 4'-6"

23'-10" between gutters

9+36 W. curb

9+41 ♀ 12" M. H. of Heat &amp; Light

9+48 ♀ N. Wayne

9+60 E curb

9+62 S E side W - 4'-6"

10+00

Ray	S 32° 58' E 111'	Partish	N 35° 45' W 101'
Res.	S 50° 45' E 98'	School	N 23° 58' E 56'
	S 59° 55' E 110'	6' deep	N 24° 15' W 67'

N 20° 31' W 104'	Res.	S 72° 35' W 160'	Res.	S 8° 22' W 58'
N 42° 54' W 98'	Dr.	S 16° 25' W 124'	Ed.	S 18° 15' E 61'
N 70° 41' W 116'	Sears	S 57° 10' W 137'	Conn.	6' deep

11

12

12+49.5 22" I.M.H. Cover Sewer

24'-3" between gutters E. side drive old  
Dickerson RES. 222' deep

13+00

24'-2" at storm sewer intake. get out

24" tile - opening 2'-6" - 2'-11"

13

← LETTER →



	A	B	C	D	E	F	G	15
13+07	156.33	154.21	155.00	155.09	155.05	154.33	154.35	154.55
14+00 ✓	156.85	149.20	149.40	149.40	148.55	148.70	146.70	
14+31.7 ✓	148.10	147.40	147.25	147.40	145.00	145.40	144.10	
14+75 ✓	20	10	8	0				
15+00 ✓	142.45	142.50	142.70	142.65	142.10	143.05	143.00	
16+00 ✓	130.76	133.75	132.79	137.24	136.62	138.30	137.25	
16+32 ✓	131.15	133.80	132.45	135.55	135.10	137.35	138.50	
16+76 ✓	132.88	133.00	132.87	132.72	132.65	135.02	137.00	
17+00 ✓	132.72	131.85	132.10	132.12	131.72	133.40	135.62	
17+75 ✓	127.60	129.58	129.36	129.70	129.95	129.05	129.80	
17+82 ✓	129.60	128.80	129.30	129.30	129.00	128.06	129.05	
18+00 ✓	126.52	126.53	126.93	126.35	126.15	125.90	125.85	
18+75 ✓	125.80	125.60	126.20	126.20	125.30	124.55	126.65	
18+85 ✓	129.65	126.95	126.90	126.80	126.30	120.20	128.50	
19+00 ✓	126.45	120.45	126.65	126.20	126.00	119.35	117.80	
19+63 ✓	115.75	116.05	116.25	117.35	116.00	115.01	113.60	

4

15

Gutter

Gutter

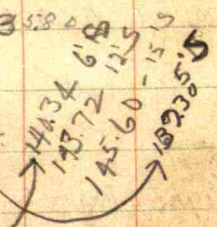
B.M. N. Header

Top Header

Top Header

B.M. 147.92<sup>5</sup> East  
Curb Judge DS

Header F/135.60 F/135.50



5'9" 10'  
137.60 141.20  
137.44.25

134.00 5'5"  
137.00 10'5"  
18+10 M. H  
#12599  
N. 126.02 5-12573  
B.M. 126.74 5' end of  
Curb Kings

4

16

(S 10° 14' E 112'  
S 14° ME 73'  
S 34° SE 93')

John  
Nucleon  
T<sub>2</sub> (S 15° 25' W 108'

- 12+07 Def Right 4° 28' Bearing N 97° 46' E to
- 14+00 ✓ Con. Header on N 4 S gutter 24" I.C. Pipe
- 14+21 Sewer M.H. 5' So. of E Rd
- 14+31.7 Def 3° 16' Right Bearing N 97° 0' E
- 14+45 ✓ Collet Header at Sewer on S. Side Rd 10' So. of
- 15+00 ✓
- 16+32 ✓ Right Stairs So. uphill 2' So. S. B.
- 16+76 ✓ Driveway to King Res No
- 17+00 ✓ Front Steps No to King Res
- 17+02 ✓ Drive So. uphill to Res.
- 18+00 ✓ 26 18+11.6 - 24" M.H.
- 18+25 ✓ Def 1° 13' Right Bearing N 97° 45' E to Sta 23
- 18+85 ✓ Drive No to King's Barn
- 19+00 ✓ Fill 23' 5" wide 11' high
- 19+63 ✓ Entrance N. park 70' wide

S 67° 22' W 137' N 56° 29' E 110'  
S 61° 57' W 106' King 41° 55' E 180' S 100' W 170'  
S 56° 57' W 116' Res N 29° 5' E 133' N 29° 52' W 117'

- Sta 74+31.7
- Rd crossing stone water east. Dug out gutter
- 17" 21.8' 20'
- 17" 17.1' 14'
- 18+25 ✓ 5.60 m - 5' to Ann's stake
- 18+25 ✓ 2.95 m - 5' to 11' from N
- 18+25 ✓ Hill - 26' wide 9' 15+85

King curb at 17+21.5 is 5.2'  
on road N side 5.7' at 18+00.  
7.5' at 17+00.

N 26° 10' W 103'  
S 77° 34' W 58'  
S 66° 4' W 82'

S 80° 4' E

	A	B	C	D
20 ✓	110.51	112.73	115.48	115.965
21 ✓	105.51	107.73	109.50	109.70
22 ✓	102.49	103.62	106.70	107.05
23 ✓	99.76	101.56	103.80	104.24
24 ✓	98.45	99.31	101.80	102.37
25	98.90	99.52	100.64	101.25
25+30	98.05	99.26	100.15	101.1
26 ✓	99.43	99.26	100.	100.82
27 ✓	97.55	98.71	100.23	100.95
28 ✓	97.59	98.99	100.73	101.27
29 ✓	97.04	99.88	103.23	103.21
29+98 ✓ <sup>Top Wall</sup>	106.97	91.03	99.30	103.94
30+00 ✓	116.73		104.72	104.92
30+31 ✓	106.49		104.85	105.05
31 ✓	102.22	104.75	105.90	106.21
31+92 ✓	108.16	108.16	108.95	108.14
32 ✓	108.70	108.26	108.45	108.46

E	F	G	
115.62	113.66	111.99	
109.40	107.50	107.30	BM 105.43 N. Edge Water Valve Casting
106.60	105.24	104.46	
103.87	101.45	100.96	
101.86	99.69	98.60	
100.84	99.03	98.26	
100.47	98.67	98.07	
100.29	99.49	98.55	
100.30	98.77	98.60	
100.67	99.47	98.52	
103.17	101.41	98.94	
94.24		91.99	Top Wall Water level 83.27 Creek Bottom 81.27 BM. 105.59 S.F. for wall
104.89		116.77	
104.46		106.55	
105.99	103.39	101.89	
107.41	104.90	104.73	
107.73	106.39	105.98	

18

20 ✓

Fill - 24' wide 11' wide  
X

21 ✓

22 ✓

23 ✓

24 ✓

21'-6" fill - 11' wide on N side

25

25+30

Ent. park.

26 ✓

Pumping Sta.

N 37° 48' E 30'

N 29° 02' W 38'

27' deep

drive 15'

15'

27 ✓

Entrance S.O. to Field

28 ✓

29 ✓

29+98 ✓

W. end of Con. Bridge

30+00 ✓

on Bridge. Pt. Bdry. in water stakes not set

30+31 ✓

E. end Bridge

31 ✓

31+92 ✓

Drive No to Barrett Res. - 12' curb under driveway 20'-6" long

32 ✓

W. Barrett  
E. Trip Livie

32+00

curb 3' N. N. line 3' inside at 33. steps at 22+90. curb to

33+45

21

22

A

B

C

D

E

F

G

23

32+70

114.04 111.80 111.55 111.76 111.54 111.93 112.49

32+81

114.42 112.36 112.39 112.64 112.56 112.54 113.10

33+00 ✓

115.28 112.87 112.75 112.80 112.74 112.80 113.20

33+55

115.47 114.16 114.22 114.76 114.32 114.28 114.25

34 ✓

115.08 115.06 114.56 116.10 114.45 114.86 115.97

34+124

116.26 115.22 114.42 115. 114.56 114.36 114.50

35 ✓

112.75 112.05 112.25 112.70 112.05 112.35 112.15

36 ✓

111.07 110.50 110.35 111.25 110.55 109.70 108.65

36+37

gutter	Flow L.						
109.53	109.13		110.63	111.15	110.10	108.97	109.15

37

110.82 110.70 110.35 110.25 109.35 108.50 108.31

37+12 ✓

110.40 109.90 109.95 110.10 109.30 109.15 107.90

37+40

109.65 109.45 109.55 109.75 109.03 108.15 107.90

37+48

108.85 109.25 109.35 109.60 108.95 108.50 108.05

38 ✓

108.05 108.25 108.60 108.75 108.15 107.10 107.07

38+63

gutter	Fl.						
106.86	106.80		107.93	109.71	107.50		

39 ✓

108.00 106.75 107.50 107.85 107.25 106.45 106.44

B, M, 112, 91 Center  
Edge Bottom StepB, M, 113, 89 spike  
in 15" Elm Tra. Cor  
Fd No.FL. Gutter  
106.05 106.1566  
20  
44075  
73  
65

22

24

32+70 Entrance - So. to Cannutt Res.

32+81 steps No. to Lowe, T.Pes.

33+00 P. Def. 5° 21' Right Bearing N 109° 36'

33+55 Driveway So. to Gunnett Barre Res

34 ✓

34+124 P. Def. 15° 44' Right Bearing N 121° 20'

35 ✓

36 ✓

36+37 14" T.C. crosses Rd at 90° taking water

37

37+12 ✓ 1/2 Rd N at 60° W. No ditches or grading uphill.

37+40 Gate So. to Gunnett field

37+48

38 ✓

38+63 12" T.C. Cul. under Rd at 90° fl. So.

39 ✓

$$\begin{array}{r} S - 89^{\circ} 42' \\ 14 \\ \hline 75 \end{array}$$

$$\begin{array}{r} 4^{\circ} 28' \\ 3^{\circ} 16' \\ 1^{\circ} 13' \\ \hline 5^{\circ} 21' \\ \hline 14^{\circ} 18' \end{array}$$

104 26

$$\begin{array}{r} 178 66 \\ 25 \\ \hline 500 40' \end{array}$$

I. Laird } N. 60° 36' E 180  
 } N. 40° 11' W 180 } S 80° 45' E  
 } N. 50° 1' deep } S 75° 24' E  
 } } S 15° 44'

Cannutt } S 59° 3' W 195' Res. } S 36° 17' W 135'  
 } S 11° 28' W 168' } S 58° 50' W 133'  
 } S 22° 0' W 169' } S 62° 92' W 165'

from Rd. Nat. Sta. 37+12 fl. So.  
 24' long Replace with 40' concrete

26

27

	A	B	C	D	E	F	G
40 ✓	108.22	106.72	106.80	107.28	106.15	108.80	105.83
40+64.2	107.76 about	105.30	106.45	106.85	106.15	104.65	105.14
41+100	110.00 about	106.48	105.90	106.10	108.65	103.90	105.17
41+73.2	106.52	105.23	103.15	103.41	102.20	101.50	102.79
42 ✓	102.41	101.33	102.33	102.60	102.25	100.55	102.36
42+80	101.43	99.85	101.	101.20	100.10	100.50	97.65
43 ✓	101.96	99.75	100.80	100.15	100.30	97.70	99.20
43+36	FL 99.70		100.47	100.47	100.37	91.98.51	98.50
43+88.5	102.51 about	99.65	100.60 ditch	100.01	100.40	98.50	98.48
44 ✓	103.80	102.95 ditch	99.80	101.00	100.25	99.65	98.95
44+73.3	104.44	102.75 ditch	102.20	102.24	101.45	99.10 ditch	100.13
45 ✓	103.05	101.60	102.10	102.20	102.40	99.60 ditch	101.51
45+34	106.45	101.65	101.85	102.05	101.50	99.25 ditch	102.15
45+48	101.90	101.10	101.60	102.10	101.50	99.10 approx 101.17	100.85
45+62	100.80	101.40	101.75	102.12	101.55	99.40	101.20
46 ✓	100.46	100.74	101.80	102.10	101.20	100.80	98.82
46+18	100.15	100.75	101.65	102.25	101.75	101.30	98.70

4.0  
5.2  
8.2 E

4.2  
1.7 E

2.0  
3.7 E

4.7 E

28

40 ✓

40+69.2 P. Def.  $2^{\circ}52'$  Left Bearing  $N117^{\circ}28'E$  to Sta 41+73.2

41+00

41+73.2 P. Def.  $5^{\circ}42'$  Left Bearing  $N111^{\circ}46'E$  to Sta 42+80

42 ✓

42+80 P. Def.  $4^{\circ}23'$  Left Bearing  $N107^{\circ}23'E$  to Sta 43+22.5

43- ✓

43+36 10" Boiler Plate, Calv. at 90' ~~NEW ONE~~43+72 P. Def.  $5^{\circ}26'$  Left Bearing  $N101^{\circ}57'E$  to Sta 44+73.3

44 ✓

+50

44+73.3 P. Def.  $7^{\circ}44'$  Left Bearing  $N94^{\circ}13'E$  to Sta 44+73.3

45 ✓

45+34 Drive No. to Blackwell field

45+48 Drive No. to Cooper Barn

45+62 Driveway Bridge to Cooper field

46 ✓ Drive gate So to Cooper field

46+18 Walk to Cooper Res. No.

$$\begin{array}{r} 179-66 \\ 117 \quad 28 \quad 1 \\ \hline 62^{\circ} 32' \end{array}$$

Cannett Shed	{	$534^{\circ}02'E$ 59'
		$511^{\circ}29'E$ 48'
		$57^{\circ}59'E$ 71'

$$\begin{array}{r} 179.66 \\ 111.46 \\ \hline 68.14 \end{array}$$

29

559 4.0

$$\begin{array}{r} 2 \quad 52 \\ \hline 562.32E \end{array}$$

$$\begin{array}{r} 5 \quad 42 \\ \hline 568^{\circ}17'E \end{array}$$

$$\begin{array}{r} 4 \quad 29 \\ \hline 572.37E \end{array}$$

$$\begin{array}{r} 5 \quad 26 \\ \hline 578.23E \end{array}$$

$$\begin{array}{r} 7 \quad 44 \\ \hline 585.47E \end{array}$$

(W. Blackwell O.P.  
45+42) E. Williams Cooper.

Cooper Res.	{	$N. 72^{\circ}20'E$ 115'
		$N 68^{\circ}26'E$ 135'
		96' Deep





32

46+87 West end. Co. Bridge 28' wide - 14' vaults arch. 12 w. 10' high.

47 ✓

46+95 W Cooper } No.  
E Co. Farm }

47+07 ✓ E Bridge

47+27 East end Bridge. 47+31 W Cooper } No.  
E. Co. Farm }

47+59 Drive S. to Co. Farm field

48 ✓

48+75 Co.

49 ✓

49+08

18" x 6" cullet + PII with Rd. No gutter.  
P.C. Def to P.T. 67° 29' left.

49+50 ✓

49+75 ✓

50 ✓

50+25 ✓

50+50 drive S. to Co. Home. 30' wide

50+75 ✓

51 ✓

51+25 ✓

33

S 85° 47'  
67° 29'N 63° 16'E  
N 26° 44'E

34

	A	B	C	D	E	F	G
57+50 ✓	128.75	128.90	129.45 Ditch	129.20	128.75	128.35	128.86
57+70	131.30	129.38	127.	125.70	126.50	126.95	127.21
52 ✓	130.05	127.80	126.90	127.65	128.05	127.24	128.03
52+25	130.54	128.02	128.30	129.	128.80	129.15	128.94
52+50 ✓	130.43	129.10	129.55	130.20	129.95	130.15	130.03
52+75							
52+81	131.65	131.10	131.30	131.61	131.20	130.95	130.89
52+91	131.80	131.40	131.60	132.05	131.65	131.55	131.30
53 ✓	132.51	132.10	132.	132.40	132.05	132.00	131.90
53+34	135.05	134.40	134.70	134.45	134.15	133.90	133.75
53+38	F.L. 132.65 Gutter 132.75 Top Header 134.90			S. Side F.L. 132.70 Gutter 133.45 Top 134.80 to field Runs Pll with Rd. under drive to P.H. SW			
53+55	8' on road - N header Ditch						
54 ✓	137.35	137.95	134.30	136.35	135.85	135.85	136.11
55 ✓	140.76	138.91	139.56	139.56	139.46	139.41	140.57
56 ✓	146.02	142.41	143.16	143.41	148.06	142.11 Ditch	142.46
57 ✓	148.60	146.28	146.70	146.80	146.05	145.15 Gutter	145.71

35

37

34

36

51+50

51+70

52 ✓

52+25

52+50 ✓

52+75

52+81 P.T. Bearing to Sta 57+58.2 N 26° 49' E

52+91 drive No. to Co. Tool House 40' wide

53 ✓

53+34 drive No To field.

53+38 ✓ So to Co. Home 30' wide.

53+55 10" I.C. Sewer So. rd from Rd gutter to Co. Home 45°

54 ✓

55 ✓

56 ✓

57 ✓

Co. Farm

N 63° 10' W 66'
N 81° 38' W 53'
N 86° 27' W 95'

Tool House

N 26° 44'

37

	N side					S. side		
38	#	B	C	D	E	F	G	39
		Gutter				Ditch		
57+58 <sup>2</sup>	149.74	146.70 Ditch	147.75	147.85	147.40	145.85 Ditch	147.10	
57+75	148.84	146.95 Ditch	147.70	147.75	147.30	146.85 Gutter	146.39	
58 ✓	147.30 Gutter	146.80	147.65	147.60	147.00 Gutter	146.20 Nudge	146.87	
58+25	147.02	147.55	147.90	147.25	148.20	146.40	146.65	
58+50 ✓	147.46	147.90	147.75	146.95 Ditch	146.50	145.50	145.85	
58+75	147.98	148.10	147.70	146.75	145.75	145.20	145.77	
59 ✓	148.13	148.15	147.65	146.80	146.40	145.75	145.83	
59+25	148.06	148.05	147.50	146.80	146.80	145.75	145.78	
59+33	12" P.C. Ditch 146.25	Fl. 146.30	Top Header 148.50					
59+50	147.64 N. Side	147.85	147.75	146.90	146.55 S. Side	145.50 Top Header 147.25	146.16 Fl. 145.63	145.90 Ditch
59+75	147.	147.50 Ditch	148.	147.35	146.75	146.55	145.73	
60+00 ✓	147.65	146.90	147.85	147.85	147.20	146.55	147.12	
60+25		Ditch				Ditch		
60+32.6	147.45	146.90 Ditch	147.90	147.94	147.45	146.45 Ditch	147.03	
61 ✓	148.84	147.40 Ditch	148.10	148.35	147.80	146.85 Ditch	148.17	
61+91.8 =	155.44	149.	149.55	150.	149.60	148.60	150.38	

present No. 14  
 length 1100  
 30' 1100' 5' side  
 arched

(B.M. 149.92 spike  
 in Cedar tree S.E. Cor  
 of grass horse yard.

38

40

57+582

PC. Def PC to PT 55° 31' Right

57+95

58 ✓

58+25

58+50 ✓

58+75

59 ✓

Drive 40' wide to Oph. Home Naga with 62+00

59+75

59+83 12'

59+50 L 59+83-12' K.C. Culv. Con. Head is 28' wide at 90°

59+75

60+00 ✓

60+25

60+326. PT.

61- ✓

61+918 = 62+00

41

N 26° 44'

55 31

N 82° 15' E

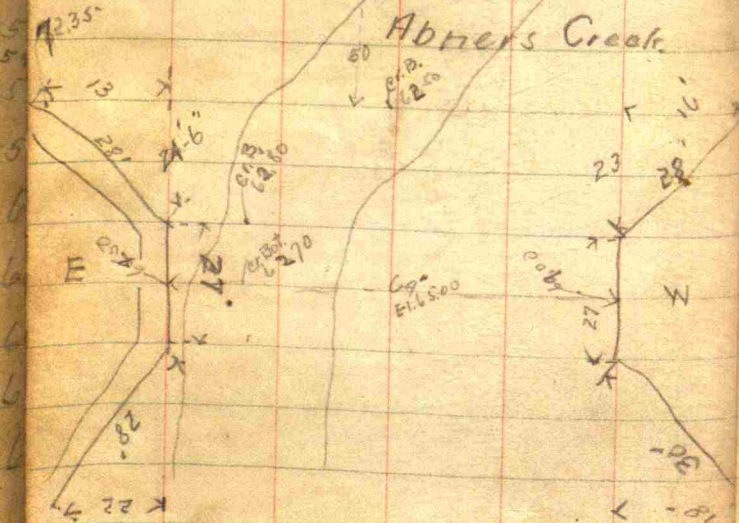
Additions

42

A B C D E F G

75.68 T.P  
72.00 F 43

5 13+17	66.60	64.80	64.60	64.20	64.82	64.03	63.90	
5 13+33	65.55	64.53	63.70	63.70	63.25	62.50	62.50	
5 89+10	at Header wings		Send wing	Floor.	creek.	at creek 10' 30"	on 20' 50"	or 30's or 60' 50"
					176.30	129.60	130.80	132.00
5 89+77	125.60				123.35	124.46	124.10	124.00
5 89+39 1/2	137.90	135.75			127.80	128.10	127.65	127.50
5 89+51	Apr 125.40	Apr 125.00	125.40		124.15	126.00	126.00	124.60
5 89+55					129.00	130.00	131.00	131.50
5 90+00								



Bridge

W. Abut. SEND 94.84  
N ✓ 94.85  
E. Abut. SEND 94.66  
N ✓ 94.49

110' 50" on for Cr. Bitten 121.85

44

- 13+17 Drive So. to Res  
 13+33 Drive No. to Judge D.  
 89+10  
 89+77 West wing end  
 89+39 E  
 89+51 East wing end  
 89+88 Cut in Embankment.

90+00

1235

13

221

E

28-

K 22

45

Now S. B. 2' so. of get away apron. apron extends to  
 end of wings - wings 10' thick at Header  
 6" at So. end at Top 10" at bottom, apron  
 under mined. Aggregate in apron & wings  
 poor. many voids.



46

St 245 - 115' SBT to  $\Phi$  old Rd  
at Creek 90'

St 249 - NB New Rd to  $\Phi$  Ry 14-6'

St 212, 479 NB Rd to  $\Phi$  Ry 14-6'

202, NB Rd to  $\Phi$  Ry 18-6'

47

50

Sta

20'N

52

132.00

51+50

131.50

50+50

132.50

~~50+50~~

132.75

~~50+50~~

131.25

49+50

133.30

49+10

133.40

51

Sta	62			Φ	
✓	A	B	C	D	E
62+00	155.44	149.00 DITCH	149.55	150.00	149.60
63+00	147.56	146.35 DITCH	147.10	147.55	147.10
64+00	144.96	144.45	145.40	146.15	145.55
65+00	144.63 DITCH	144.40	145.30	146.60	145.95
66+00	143.28	144.78	145.40	145.60	145
66+58	DITCH 142.85	146.10	146.90	Top Head 146.95	Φ 145.85
67+00	144.02	145 DITCH	146.15	146.35	145.90
68+00	147.78	147 DITCH	148.05	148.15	147.65
69+00	151.70	150.50	151.50	151.65	151.20
69+45		DITCH		153.30	151.50
70+00	152.10	150.85	151.75	152	151.50
70+96		DITCH			
71+00	149.30	148.30 DITCH	149.30	149.55	149.25
72+00	147.98	147.50 DITCH	148.75	148.95	148.20
73+00	147.59 107 149.50	146.80	147.25	147.55	147.20
73+18	147.60	146.55	147.30	147.50	147.50
73+18	148.10	147.35	147.85	147.90	147.05

F	G	63
DITCH		
148.40 DITCH	150.38	95' E.
146 DITCH	147.54	
143.90 DITCH	144.26	
143.55 DITCH	143.89	
143.05	143.95	
Top Head 145.00	141.00	Bottom 143.50 Top
DITCH		
146.15 DITCH	146.14	
147.00 DITCH	149.38	
150.85	153.85	
DITCH		
51.20	153.03	
DITCH		
148.40 DITCH	149.31	
147.55 DITCH	147.65	
146.40	146.83	
147.10 DITCH	147.07	103 147.50
146.20	146.30	

Present 16" DITCH  
 at 60' 6" T.C. at 1/2 mile  
 N head of  
 2 1/2" 4" road  
 10' 5" wide  
 Box 6" 6" 5" 16" 1"

64

Sta ✓

62+00 ✓

63+00 ✓

64+00 ✓

65+00 ✓

66+00 ✓

66+58

Con. Cul. Header C.I. 12" pipe

67+00 ✓

68+00 ✓

69+00 ✓

69+45 ✓

Top of Knoll. Water drains E&W.

70+00 ✓

70+96 ✓

ACannutt. East. on So. Bdy. County Farm West

71+00 ✓

72+00 ✓

73+00 ✓

☩ of Track 29'-10" N. of ☩ Rock Road

73+18 ✓

Drive S to Cornut Field

73+18 ✓

73+72-24" culv. N. S. Rd

73+18 ✓

Drive N. to Cornut Barn. 73+98 - 55. Rd

65

Bearing Sta 62 to 86 497° 45' E or N 82° 15' E.

66

17 18 19 20

73+95	Ditch 147.82	FL 143.85	Top Header 146.55	
74+00 <sup>v</sup>	147.69	146.05	146.60	146.80
74+71.5	107-148.65	147.90	146.65	146.70
75+00 <sup>v</sup>	148.20	147.05	146.60	146.80
76+00 <sup>v</sup>	147.50	146.10	146.25	146.60
176+25	Ditch 144.60	FL 144.90	Header 145.90	146.70
77+00 <sup>v</sup>	146.97	145.40	146.50	145.47
78+00 <sup>v</sup>	146.75	147.90	147.70	148.05
78+07	107-147.10	147.10	147.70	147.85
79+00 <sup>v</sup>	146.63	147.75	147.60	148.15
80+00 <sup>v</sup>	147.23	148.20	148.10	148.40
81+00 <sup>v</sup>	147.83	148.55	148.50	148.85
82+00 <sup>v</sup>	107-146	147	148.90	150.70
82+54 <sup>v</sup>	147.30	151.75	152.45	152.95
83+00 <sup>v</sup>	107-145.65	149.90	152.30	152.50
84+00 <sup>v</sup>	107-145.55	150.06	153.15	153.20
84+30	145.85	152.40	152.15	152.45
85+00 <sup>v</sup>	107-144.65	149.75	150.45	150.55
86+00 <sup>v</sup>	107-144.65	148.82	148.20	148.50

21 22 23

67

146.85	Top H. 145.50	FL 142.15	Ditch 142.80	119°38'E 136
146.05	144.15	142.88		B.M. 150.24 N.W. Cor 37°20'E 81
146.05	145.50	145.45		Conwell front
146.00	145.40	145.30		Cannett Res
145.75	144.65	144.30		119°51'05
146.15	146.70	145.34		
147.35	147.60	146.64		long
147.40	147	146.70		3' S.N.
146.65	147.25	146.93		1 ditch
147.70	147.10	146.67		
148.25	148.15	148.44		
150.95	151.25	151.43		B.M. 157.03 Head 3 spikes feet 36" high front Einsingers Res
152.30	152.50	152.55		105-152.75
152.60	151.55	151.91		
152.85	153.40	154.00		
152.38	152.60	153.00		105-152.30
149.75	150.05	149.91		
148.25	148.85	147.67		

68

#5 on road - N side.  
14" tile comes out

73+9.5 24" T.C. Sewer. Conn. Hdr.

74+0.0 B.L. Cross (+) on E Rail -  
74+13.0 Corner on N Do. Farm & Ry.

74+71.5 Entrance - Walk to Connatt Res.

75+0.0 26" 4" Road Rd to Ry

Drain  
Slopes up  
to 75+00drainage  
down N. West

76+0.0 76+25 - 8" T.C. at 90° with Roadably - Put

77+0.0

78+0.0

12" T.C. Drain under lane bet. Ry &amp; Rd.

78+0.7 Drive lane to Vofield Connatt.

79+0.0 Ditch 2' No. of N. Body - 32" 4" Road E Ry Tr.

80+0.0

81+0.0

82+0.0

82+5.4 Emsinger Front Gate Ry cut 5'

83+0.0 cut to Ry 7'-36" 4" Ry to E Road

84+0.0

84+3.0 Driveway To Emsingers 5a

85+0.0 Present E 20' 4" B.L.

86+0.0 4" 18.5" B.L. Def. 5° 2' 50" to 57a. 99+

30'-6" long.  
from under Ry.

Connatt. Place

N. 68° 48' W. 170'

N. 56° 31' W. 132'

Barn N. 42° 35' W. 170'

Barn N. 42° 35' W. 200' House N. 19° 38' E. 135'

N. 34° 20' W. 185' N. 37° 20' E. 80'

N. 28° 41' W. 215' N. 51° 05' E. 105'

Boundary.

12" armer sewer + leaders present tile 3' S. N.  
8" tile crosses railroad but

79+38 Connatt W Emsinger E

Emsinger  
H. 58° 55' E 200'  
513' E 140'  
373' 51' E 167'

Barn 40x40 - 150' E House

Shot off 82+00

R. Road S. 16' Fr. N. 24'

82 1/2 Bearing N 87° 19' E Right

69

70

H B C D E F G

71

86+50

87+00

88+00

89+00

89+39

90+00

91+00

91+06

92+00

93+00

94+00

94+82 1/2

95+10

96+00

97+00

97+30

98+00

Ryditch

Gold River

107 143.30

144.84

144.90

144.35

146.20

146.50

146.15

145.90

140.15

140.42

141.15

140.82

140.82

140.5

141.28

107 140.5

140.29

141.1

140.5

141.2

141.35

141.35

141.49

108 138.76

138.94

139.07

139.07

139.00

40 138.83

138.37

137.24

108 137.25

139.17

139.05

138.65

138.70

436.25

135.85

133.43

108 137.65

137.64

138.42

138.48

138.64

137.36

136.73

108 137.75

138.50

138.55

138.00

137.64

137.36

136.73

10' N. 136.95

137.62

136.46

138.20

138.24

138.50

135.25

135.70

138.10

138.35

137.50

138.31

138.31

137.96

138.36

138.60

137.12

138.63

138.76

137.60

137.10

136.69

138.70

139.05

138.70

139.05

Top. Box 137.63

Bottom 133.75

140.48

140.43

140.95

141.22

140.62

140.27

140.96

141.21

141.25

141.20

141.95

141.25

142.20

142.81

141.77

142.20

142.85

142.75

142.25

142.85

142.94

141.36

141.70

142.05

141.55

140.95

142.10

142.10

144.32

143.55

143.85

143.70

143.30

143.40

143.10

144.40

144.85

145.10

145.25

144.60

143.65

143.85

144.75

145.20

145.40

145.50

144.90

143.95

144.08

145.95

146.10

146.10

146.30

145.70

147.60

150.40

146.29

146.10

146.35

146.60

145.90

145.20

147.97

107 147.10

146.75

146.30

146.25

146.50

146.95

145.40

146.85

140

140.23

138.45

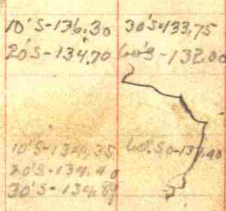
138.25

138.7

138.52

137.60

137.75



10' W. 19

72

86+50

87+00 ♀ RR. 13' S. Ry 17 6" W. Rd Ry Level

88+00

89+00 Rail 4' fill.

89+34 ♀ Con. C.V. - 10' BL to 5' Pt. - 27' E Ry

90+00

91+00

91+06

open catch basin - 6' S. BL. 3-6" x 4' invert  
24" T.C. from under Ry outlet T.C. to Culv. west.

92+00

93+00

S.B. 6 1/2' S. fence

94+00

94+82 1/2

Def. Right (No) 1° 58' to Sta <sup>137+72.4</sup> 50 Stalks at fence Bearing N 89° 15' E

95+00

96+00

97+00

97+30

Driveway to Alvinger Res.

98+00

73

Arch. 11' high, 8' wide, 18" crown.

29 BL to 5' Side Header - 44 BL to 5' End Wing



74

A

B

C

D

E

F

G

97+84

144.60

144.25

144.50

144.85

144.20

144.25

144.45

105-144.25

98+00

144.56

143.30

143.95

144.30

143.90

143.65

144.46

B.M. 149.04 Head  
Spike Root Maple SE  
Cor. Finkenberger yard

99+00

141.42

140.85

141.45

141.80

141.20

140.55

140.71

99+57

West End Header 134.70

Case 9' header

new footing -

bring wall around +

long walls

99+63

S.K. Bottom 128.75 Culv. Floor 136.70 Top Header

141.75 ground at Hd. 140.85 \$ 141.65

99+70

at So. Header east end 138.00

DITCH

DITCH

100+00

140.25

139.45

140.95

141.40

140.80

140.05

138.21

+10

12" H10 runs W. &amp; inside N. boundary to N. side culvert.

100+80

146.60

142.25

144.25

141.50

141.70

141.25

140.50

140.95

105-140.65

101+00

146.85

142.67

141.65

141.80

142.15

141.85

140.80

140.54

102+00

146.29

145.40

145.20

145.60

145.30

143.75

145.15

102+37

107-148.80

142.70

147.20

146.90

147.90

147.10

145.40

146.65

103 V

148.58

148.45

148.90

149.45

148.75

146.95

147.87

104 V

147.55

147.55

148.40

148.90

148.50

147.15

149.32

104+66

F.L. 146.09 Top Header 148.10

105 V

147.71

147.85

148.65

149.25

148.60

148.30

149.15

106 V

148.87

149.00

150.25

150.65

150.05

145.

151.06

12" on top - bottom is 12" + inside wall is lost on  
 5' boundary length this had wall is 18' 6" E. end  
 has retaining wall 3' lower + 8' 9" long - 9' wide

LETTER

76

97+84 Gate S to Fennsinger Field

98+00	Bitred	N 14° 20' W 198'
	Linninger Res	N 04° 48' W 135'
		N 70° 19' W 173'

99+00

Get Fl

Header 18' W Arch 9' High 12' wide.

99+57

Con. Sully 38' Between Headers, 5' Header on E. Side of Rd.

Floor 10' below top S wall

Bed Stream 19.5' below top S wall

99+63

99+70

at Header

100+00

+10

100+80

Drive to Ho field.

101+00

102+00

Get Fl. Track at this Sta.

102+37

Drive No to Floyd Linninger Res.

103 V

104 V

104+66

Culvert fr. Ry to ditch N. Side Road. Flow No to Linninger field

105 V

Floyd Linninger Res

N 39° 25' W 408'
N 42° 30' W 360'
N 46° 1' W 322'

106 V

77

78

F

B

C

D

E

F

G

107 ✓

150.21 150.45 151.23 151.60 151. 149.60 151.10

107+38

Rh intake C so. of S.R. 146.50  
Ditch

108 ✓

151.89 151.75 152.00 152.40 151.90 150.60 151.57

109 ✓

153.78 153.45 153.95 154.95 154.00 153.20 154.00

110 ✓

155.39 155.70 155.90 154.69 156.50 156.00 154.50

110+90

Ditch

157.10 157.20 157. 157.30 157. 156.25 156.20

110+95 ✓

Ditch

153.30 156.30 156.40 157.05 157.20 157.10 156.45 156.25

111+00 ✓

Ditch

157.15 156.20 156.55 157.15 157.30 157.10 156.95 156.20

B.M. 158.75 K  
17 Con Post to R  
Daily or X Sign

111+095 ✓

Ditch

157.15 156.45 156.80 157.20 157.35 157.15 157. 159.96

108:156.55

111+162

111+20 ✓

157. 156.97 157.15 157.40 156.90 156.15 156.05

112 ✓

157.08 157.50 157.50 157.90 157.35 156.30 156.36

113 ✓

157.71 156.60 157.20 158.40 158.00 156.95 157.10

114 ✓

158.65 157.45 158.55 159.25 158.95 158.25 158.09

115 ✓

156.10 158.20 159.85 160.30 159.96 157.60 158.76

116 ✓

160.10 159.25 160.35 161.20 160.95 160.05 159.75

117 ✓

161.25 160.40 161.25 162.00 161.70 161.25 161.45

79

107. ✓

107+38 6" under Rd 45° NW. but cannot locate L drain so thru field-intake 6' so of S.B.

108 ✓

109 ✓

110 ✓

110+90 W fence N#5 Rd. Sec. line. 1/2 R. W.

110+95 w. end of 10" C. Culv under N#5 Rd. S. S. Rail,  
N.E. M<sup>c</sup>Cormick S.E. Hunt

111+00 N. Whinger S.W. Emsinger.

111+04.6 ♀ Ry 8 No. of Bl. - Drainage from  
N. for 200' No drainage fl. So.

111+16.2 E. end of Culvert - culvert + under B.L.

111+20 W Fence N#5 Rd

112- W Ry ditch 3' N. of N.B.

113 ✓

114 ✓

115 ✓

116 ✓

117 ✓

M <sup>c</sup> CORMICK	N. 54° 27' E	143'	N 12° 33' E	263'
McC	N 36° 45' E	105'	N 9° 45' E	243'
	N 22° 50' E	128'	N 8° 35' E	290'

82

H

B

C

D

E

F

G

117+12

160.85 160.75 161.50 161.05 161.80 161. 162.45 DS. 163

117+91

161.30 161.15 162.10 162.45 162.20 162.55 162.30 108:163.70

117+98

162.58 162.15 162.80 163.25 163.30 163.85 163.85 105.164.10

118+00<sup>v</sup>162.19 162.05 162.55 163.30 163.35 163.95 164.20  
E.M. 165.22 Head  
Spine Root of Short leaf  
Pine tree. Hunt. T.S.

119. ✓

163.34 163.70 164.25 164.85 164.50 163.85 164.93

120 ✓

164.54 164.45 165.25 165.80 165.55 164.90 164.38

121 ✓

164.31 164.65 164.75 165.50 165.15 164.45 165.53

122 ✓

164.27 163.85 164.65 165.25 164.80 163.85 163.92  
Ditch

123 ✓

164.88 164.75 165.00 165.60 165.25 165.85 165.40  
Ditch

124 ✓

165.95 164.95 165.10 165.75 165.30 164.40 164.94

125 ✓

164.93 164.20 165.00 165.65 165.30 164.60 164.54

126 ✓

164.66 164.00 164.80 165.25 165.20 164.15 164.38

127 ✓

164.73 164.35 165.15 165.60 165.10 164.05 164.09

128 ✓

164.05 163.65 164.45 165.10 164.45 163.50 163.78  
Ditch

129 ✓

162.52 162.30 163.05 163.70 162.95 161.55 162.67

130 ✓

162.23 161.80 162.45 163.10 162.40 160.65 161.78

83

117+12 Gate to Hunt field Ho.

117+91 Front gate Ho to Hunt Res

117+98 Driveway Ho. to Hunt Res.

118+00

119 ✓ Present \$2.50

120 ✓ \$ Rd to \$ Ry 32'

121 ✓

122 ✓

123 ✓

124 ✓ W-Hunt  
124+39 E Brickett

125 ✓

126 ✓

127 ✓

128 ✓

129 ✓ W. McCormick  
129+23 E. Woods.

130 ✓

Hunt Res.  $\left\{ \begin{array}{l} S 32^{\circ} 55' W \\ S 17^{\circ} 22' W \\ S 12^{\circ} 52' W \end{array} \right.$ 

118' 124' 156'

 $\left\{ \begin{array}{l} S 24^{\circ} 17' E - 188' \\ S 28^{\circ} 8' E - 168' \\ S 37^{\circ} 10' E - 182' \end{array} \right.$ 

From Sta 118.

86

E

	A	B	C	D
130+84	Ry Header 162.82 E.L. 161.00 Ditch 160.85	N. end Culvert Ditch 160.65	Top 161.50 Tel. 160.30	
130+88				
131. ✓	161.92	161.45	162.60	163.25
132 ✓	162.77	162.20	162.85	163.45
132+76	163.44	163.20	163.75	163.65
133 ✓	164.10	163.40	163.45	164.25
134 ✓	164.10	164.50	165.05	165.70
135 ✓	167.15	166.20	166.45	167.20
136 ✓	165.37	164.65	165.70	166.25
137 ✓	164.19	164.35	164.70	165.25
137+65	10°W 164.20 164.50	164.35 164.35	164.70 164.75	165.25 165.30
137+72.9	165.90	164.60	164.80	165.30
138 ✓	165.21	164.90	165.10	165.55
138+90	165.57	164.70	165.10	165.80
139 ✓	165.08	165.40	165.60	165.95
140 ✓	162.34	163.45	164.00	164.05
141 ✓	162.84	163.00	163.15	163.20
142 ✓	162.15	162.55	163.15	163.20
142+85	161.75	162.25	162.75	162.50

LETTER

87

	E	F	G
163.10	Sacul.	Top, 161.15 E.L., 160.10	ditch 161.10
162.45	162.55	161.75	
162.90	161.95	162.	
163.55	163.60	163.62	105+163.65
163.85	163.35	163.77	
165.10	164.75	165.62	
166.40	165.65	166.09	
165.45	164.65	165.07	
164.45	163.75	162.94	
164.60	164.15	163.85	B.M. 165.28 N.E. Cor Side W. To School Ho.
164.70	164.15	164.18	20° W 0° 38' W 2048 W
165.	164.75	165.04	
165.25	164.40	165.25	165.35+35.
165.35	165.88	164.80	
163.15	163.35	163.84	
162.55	162.30	162.56	
162.20	161.90	162.25	
161.25	161.45	161.25	105-160.80

then

what

88

130+84 - 12" ~~to~~ culv. Xrd at 90° Drain from N. X. E. field

130+88 12" h.c. con. Header. 6' NBL. X Ry 26' / my

131. ✓

132 ✓

132+76 Driveway to Brickett Res

133 ✓	Bracket Res	{	57° 20' E 155'	Barn	{	45° 55' W 258'	Barn	{	47° 26' W 235'
			50° 23' E 150'			57° 26' W 227'			42° 31' W 225'
			51° 5' E 103'			52° 6' W 227'			54° 2' W 220'

134 ✓

135 ✓ 17' E Ry to N B.

136 ✓

137 ✓

137+65 " End of B.L.  $\left\{ \begin{array}{l} \text{Drive to Wood S. Res} \\ \text{w/ Bracket Def. II' Right To} \\ \text{E. School H. Baseline Ends} \end{array} \right.$

137+72.9 1/2 Mile Stone  $\left\{ \begin{array}{l} \text{E. School H. Baseline Ends} \end{array} \right.$

138 ✓

138+90 Walk to So. School House  $\left\{ \begin{array}{l} \text{w/ School 139+12} \\ \text{Gate to School H. 139+0 \& E. Jordan} \end{array} \right.$

139 ✓

140 ✓

141 ✓

142 ✓

142+85

Empty white  
house

N 24° 26' E 158'
N 71° 5' E 144'
N 37° 29' E 162'

Drive to Jordan Res

89

Next 7' S. N Boundary - lengthen  
both ends with headers.  
connect with ditch thru Bracket  
Farm Sand at Sta 130+76

Sta 165+93	Bearing N 89° 26' E eastward	N 56° 0' W 165'	
			N 50° 38' W 165'
			N 42° 08' W 165'

House	{	56° 30' E 74'
		54° 41' E 75'
		53° 23' E 104'



90

A B C D E F G

143 V	161.98	162.10	162.60	162.65	162.65	161.65	161.96
144 V	161.00	161.15	162.02	162.20	161.70	161.75	161.55
144+12	107+161.53 161.85	161.80	161.85	162.25	161.60	161.40	162.50
145 V	160.84	160.80	160.50	161.80	160.10	161.60	161.35
146 V	159.60	161.30 Ditch	160.80	161.15	160.40	159.15	161.33
147 V	157.98	157.78	158.95	159.35	158.80	158.40	159.79
147+39	By Header, P.L. 155.90 Top 158.80	v. end. Ditch R. Cul. Pt. Top 157.25	155.30 158.20	± R. 158.20	S. Top 156.50 Side 2 ft 159.70 Ditch 159.60		
147+99		Ditch				Ditch	
148 V	158.68	158.85	157.70	158.20	157.50	158.50 Ditch	158.08
149 V	157.30	157.26	158.05	158.50	157.80	157.10	157.51
150 V	159.16	159.12	159.20	159.70	159.00	158.15	158.64
150+27	159.70	159.30	159.25	159.00	159.25	158.50	157.55
151 V	159.35	158.00	158.95	159.55	158.90	158.40	158.45
151+25	158.40	157.45	158.45	159.20	158.60	158.00 Ditch	159.05
152 V	156.26	155.60	156.35	157.00	156.45	155.75	156.03
153 V	154.95	154.25	155.40	155.55	155.20	154.00	154.21

91

BM. 16012 N.E. Cor.  
Ry Stop Cor. Platform  
Gulley Res.

then  
in well

92

7

143 ✓

144 ✓

144+3E Ch. Stone

W. Woods

E Gully

witness

5'-6" SE to

14" Maple

10'-6" SW to

24" Maple

144+12

Drive Nat. field Res.

145 ✓

146 ✓

147 ✓

147+39

Con. cul. under Ry No.

147+99

24" Boiler plate cul. v. under Road at 90° 20' long

148 ✓

149 ✓

150 ✓

21'-6" ♀ Ry to N. B.

150+27

drive way to Gully Res

151 ✓

Gully Res

N 50° 13' W 220'

N 42° 7' W 200' Barn

N 39° 30' W 239'

N 6° 57' E 290'

N 7° 31' E 265'

N 19° 21' E 275'

113 Barn

N 16° 4' E 276'

N 17° 26' E 244'

N 31° 44' E 270'

151+25

Drive to Nat. field

152 ✓

153 ✓

93

30' long — Center Rd — lengthen —  
5 ft B both ends, Relay in center with  
headers both ends

94

A B C D

F.L. 153.40

153+71 Ditch 153.55 Top 154.75 155.70

153+79 Top 154.15 F.L. 154.15

154-V 154.34 154.00 155.10 155.80

155-V 155.85 155.05 156.05 155.55  
DITCH

156-V 155.16 154.45 156.20 156.45

157-V 156.50 156.85 157.35 157.75

158-V 157.53 158.00 158.50 158.85

159-V 156.65 157.15 157.55 158.00

160-V 156.28 156.75 157.35 157.75

161-V 157.27 157.45 157.85 158.20

167-V 158.66 158.60 159.00 159.30

163-V 157.81 157.90 158.25 158.75

164-V 156.60 157.10 157.60 157.10

164+19 156.92 156.09 157.15 157.50

164+21

164+35 156.55 156.70 157.05 157.50

164+45

E

V F G

Top 154.70  
F.L. 153.55 Ditch 153.55

155.10 153.95 154.02  
Ditch

156.85 154.05 155.42  
DITCH

155.85 154.45 154.62  
DITCH

157.30 157.40 158.10  
DITCH

158.20 157.00 157.84

157.40 156.15 156.95  
DITCH

157.00 155.85 155.61  
DITCH

157.66 156.40 157.15

158.75 158.15 158.82  
DITCH

157.95 157.05 157.83

156.25 156.40 156.65

157.25 156.55 156.95

157.30 157.90 157.40

95

97

at the end

each end

B.M. 157.76 Top Spike  
Root of Maple S. NE  
of N.B. Store.

96

153+71 12" Arm Co at 90° under Rd → 16" Am

153+79 Con. Culv. No. under Ry

154- V

155 V

156 V Small tile drain to Road

157 V

158 V

159 V 24" NB to &amp; Ry

160 V

161 V

162 V

163 V

164 V

164+19 W. Kenec 50 Road

164+21 Ditch Drain 50. 50 Road

164+35 50 Road W. Jordan  
E. I. Thompson

164+45 Ditch drains No. from 100 50.

LETTER

97

Co 24' long C.R. length 8' both ends  
more in concrete with heads each end

98	A	B	C	D	E	F	G	99
164+57	156.20	156.70	156.88	157.35	156.75	156.50	156.25	
165 ✓	155.69	155.90	156.30	156.90	156.35	156.50	156.75	
165+15	155.35	155.80	156.35	156.65	156.75	156.30	156.40	
165+81	154.30	154.25	154.90	155.40	155.05	155.00	155.30	
165+84								
165+93 ✓	154.55	154.85	154.85	155.20	154.90	154.90	155.00	B. M. Meridian Stone 154.98
166+00 ✓	154.43	154.80	154.85	155.20	154.80	155.00	155.16	AM 156.89 - N.E. Cor. Bottom Step Thompson Rec
166+11								
167 ✓	152.44	153.10	153.30	153.75	153.00	152.85	153.20	
168 ✓	151.36	151.90	152.00	152.65	151.95	151.20	151.11	DITCH
169 ✓	150.77	151.10	151.50	152.25	151.30	150.65	150.47	
170 ✓	148.75	148.85	149.25	149.85	149.35	149.85	149.52	
171 ✓	146.65	145.30	145.95	146.35	146.05	145.95	146.19	Fl. Drainage
172 ✓	143.86	143.75	143.80	144.15	143.85	143.25	144.39	
173 ✓	142.30	142.25	142.85	142.40	143.	142.50	142.16	
174 ✓	141.80	141.35	142.15	142.70	141.95	141.75	141.39	
175 ✓	140.96	140.45	141.05	141.75	141.25	141.45	140.86	
175+25	12" VT Sewer			254.00	C Rd			

SW  
N  
W  
East 88.45

100

164 +51 Fence S. Road

165 ✓

165 +15 Walk to Thompson, RES

165 +81 W. fence N. Road

165 +84 Ditch drains S. to ditch on Ry # No. of Road

165 +93 ✓ # No. Road # True Meridian { E Jones  
N side of Gully166 +00 ✓ Det. 27' to right Bearing N 89° 53' E  
privé So to Thompson Garage

166 +11 Fence N. Rd. N. ditch

167 ✓

168 ✓

169 ✓

170 ✓

171 ✓ Field drain takes S. ditch water  
to thru. Thompson field

172 ✓

173 ✓ W Thompson  
172 +33 E. Whittling

174 ✓

175 ✓

175 +

101

Block 171	174-18° 27' E	Thompson	42° 5-19° 47' E	122° 5-36° 46' W
Block 172	124-17° 21' E	Thompson	46° 5-40° 44' E	House
Block 173	197° N-39° 25' E	Garage	68° 5-3° 17' E	117° 5-58° 35' W

to Sta 202400 Meridian Bearing N. 1° 08' East 8845

102

	M	B	C	D	E	F	G
176 ✓	140.79	140.80	141.05	141.85	141.60	141.35	141.70
177 ✓ 107-150.60	143.32	142.95	142.40	142.60	142.15	142.80	142.74
178 ✓ 107-132.90	140.23	139.30	139.40	140.25	139.95	140.00	140.75
178+59 107-149.25	<sup>3</sup> 138.85	<sup>3</sup> 142.80	<sup>3</sup> 142.75	<sup>3</sup> 142.35	<sup>3</sup> 142.55	<sup>3</sup> 142.25	<sup>3</sup> 142.65
179 ✓	<sup>3</sup> 148.20	<sup>3</sup> 147.35	<sup>3</sup> 147.05	<sup>3</sup> 148.05	<sup>3</sup> 148.35	<sup>3</sup> 148.40	<sup>3</sup> 148.35
179+15	147.12	146.18	147.40	148.15	147.60	148.00	148.18
179-74	145.70	146.35	146.80	147.35	146.95	147.35	147.55
180 ✓	146.70	146.15	146.05	146.15	146.50	146.25	147.03
181 ✓	146.69	143.75	144.55	145.20	145.05	145.05	144.98
181+81	143.40	143.85	144.15	144.55	143.85	144.20	144.50
182 ✓	143.24	142.70	142.65	144.15	144.05	143.80	143.98
183 ✓	142.41	141.60	142.55	143.10	142.85	142.60	142.66
184 ✓	141.77	141.55	142.00	142.50	142.55	141.85	141.68
185 ✓	141.31	140.80	142.05	142.65	142.20	141.40	141.28
185+94 107-143.45	142.40	142.00	142.00	142.35	142.15	141.60	141.35
186 ✓	141.78	141.70	142.00	142.25	142.10	141.60	141.95
187 ✓	142.12	141.30	142.15	142.65	142.40	141.85	142.18

103

BM 149.42 N.E.  
Cor. Capt. Porch  
Winning Res

10-1-1961

176 ✓ Present Rd 3 1/2  
Fences, ok.

177 ✓

178 ✓ Present Rd 4 1/2  
Fence ok.

178+59 Driveway N. to Jones Res.

Bearings  
taken from Barn  
605 N 60° 25' W  
516 N 40° 45' W  
516 N 58° 37' W

410 N 30° 15' W  
Res 400 N 26° 32' W  
440 N 23° 49' W

179 ✓ 178+92 1/4 pt. No. Stone found  
179+15 Gate So. To field

179-74 Walk entrance So. to Winning Res

180 ✓

181 ✓ 148° S-48° 5' E 178° S-13° 20' E Gate-165° 00' 00" W  
Winning 120° S-26° 35' E Barn 170° S-8° 0' E Top 185° 50' 37" W  
Barn 160° S-21° 30' E 188° S-7° 20' E 160° S-8° 00' W

181+81 Drive way S. to Winning Barn

182 ✓

183 ✓

184 ✓

185 ✓

185+94 Drive N. to field

186 ✓ W. Jones W. Winning  
E. Sam Mullen 185+99 E. Nancy Carr

187 ✓

Point 60° S 45° 40' W  
130° S 59° 12' W  
154° S 57° 30' W



106

H ~~D~~ C D E F G

187+71	<sup>3</sup> 142.40	<sup>3</sup> 142.85 Ditch	<sup>3</sup> 143.00	<sup>3</sup> 133.40	<sup>3</sup> 142.95	<sup>3</sup> 143.05	143.20	105-143.95
188 V	143.53	143.05	143.20	134.00	143.20	143.60	143.81	
188+25	143.05	143.40	143.65	134.15	143.70	144.20	144.30	105-144.55
188+71	142.00	142.65	142.70	134.45	143.05	143.25	143.40	103-144.05
189 V	141.91	141.15	142.25	132.95	142.55	142.75	143.08	
190 V	140.81	140.10	141.10	131.65	141.37	140.90	140.93	
191 V	<sup>2</sup> 140.24	<sup>2</sup> 139.75	140.60	131.25	141.85	140.20	140.45	
192 V	140.10	139.70	140.30	131.00	140.55	140.20 Ditch	140.35	
192+53	140.00	139.70	140.25	130.80	140.50	140.20 TOP ARMO	140.20	
192+68 V	140.10	140.30	140.10	130.90	140.50	140.90	140.80	105-140.70
192+81	139.45	139.80	139.60	130.85	140.40	140.25	140.50	
192+89.5								B.M. 1/2 M. SW 140.31 8' to Lot
192+97								B.M. S.E. Cor. Con. Step. ME Church. 140.87
193 V	107-140.00	140.02	140.04	140.25	140.85	140.60	140.70	140.13 Ditch
193+39	107-139.80	139.70	139.60	139.95	130.60	140.45	140.50	139.30 Ditch
194 V	107-139.10	139.50	139.50	139.90	130.00	140.55	140.10	139.51

107

108

187+71

driveway to Carr. Res.

188 V

Carr Res

187° 43' 28" E  
85° 52' 35" E  
115° 55' 0" E

Carr Barn 152° 54' 0" W

187° 57' 18" W  
172° 54' 40" W

188+25

Walk gate to Carr Res.

188+71

Drive to Field

189 V

190 V

191 V

W. Sam Muller

192 V

E. M. E Church

192+53

N. Fence Rd. 50

W. Nancy Carr

192+68

E Rd 50 10" Arnie's Parallel to Rock Rd E. S. B. Mulla.

192+80

E. Fence

192+89.5

Stone SE Cor. Sec. 6

Chas Quillan Res N 63° 3' E - 13.8  
N 80° 1' E - 1.57N 31° 9' - 183' E  
Quillan shed N 27° 45' - 179' E  
N 26° 19' - 200' EN 5° 0' - 1108' 6"  
N 90° 35' - 169' E  
N 89° 32' - 78' WDef. Right 8' to Lot  
E. to Bearing  
N 20° - 0' 1/2"

192+97

Driveway to M. E. Church

W. M. E Church

193 V

193+29 E. Chas Quillan

193+39

Driveway N. to Chas Quillan

194 V

109

1031.2

	110	H	B	C	D
194+27					
195 V	136.50	138.90	139.20	121.45	
196 V	137.65	136.75	137.80	128.30	
199 V	136.21	135.70	136.90	127.30	
198 V	130.58	134.85	135.20	126.60	
198+26	134.90	134.90	136.20	126.50	
198+38	134.80	134.86	135.95	126.30	
199 V	134.60	134.15	135.25	125.65	
200 V	123.37	133.65	134.30	124.15	
200+25	133.25	133.95	134.25	124.25	
201 V	121.63	123.05	133.80	122.80	
202 V	121.77	131.70	132.30	122.70	
203 V	120.38	125.25	130.00	120.30	
204 V	116.80	125.25	127.20	117.00	
204+31	110.53	111.38	112.90	113.19	
205 V	110.53	111.38	112.90	113.25	
206 V	109.55	116.78	117.75	118.00	

12.57

	E	F	G	
	139.05	138.10	138.45	
	138.85	132.20	137.46	
	136.95	136.35	136.37	
	136.10	136.35	136.82	
	136.15	135.40	136.00	10' 50" 136.70
	135.75	135.30	135.30	10' 50" 136.15
	125.30	124.40	124.15	126.00
		Ditch	125.25	B.M. 23 on top SPIT & H.B. Co. MAY 1911 30117
	124.20	123.00	123.23	
	123.90	123.70	123.65	105-123.75
		Ditch	123.21	
	122.55	122.10	123.21	
	120.35	120.80	123.31	
	129.80	129.90	128.89	
	127.00	125.75	127.19	
	113.05	111.52	Ditch	
	123.50	122.00	122.00	
	113.05	111.52	Ditch	
	123.05	121.80	119.63	
	119.80	119.55	119.45	105M.75

15' long

13312

112

194+27

Gateway to Chas Hughes Res.

195 V

196 V

197 V

198 V

198+26

199+38

Walk to Mullen Res.

199 V

Mullen	566°16' E 130'	Res	520°5' W 116'
Barr.	557°27' E 98'		528°0' W 76'
	541°58' E 176'		546°22' W 99'

200 V

200+25

Drive to Mullen Barr.

201 V

202 V

Def left 36° to Hard Scrappix Sta 212+79.8

Bearing 189° 45' E

203 V

204 V

Hughes Res.	N. 31° 2' W 88'	Barr. NO	N 5° 25' W 195'
	N 16° 53' W 88'		N 0° 55' E 195'
	N 7° 39' W 199'		

204+31

Drive to Chas Hughes Res.

215 V

216 V

W.C. Hughes  
 205+09 E. Co. K (216) 10" tile under Driven 7' inside Roadway 15' long

11.57

113

LETTER

53  
568  
113

A B C D

19206+08	113.40	113.70	113.80	107.45
19207 V	113.31	113.70	114.25	107.45
	103.64			104.50
19208 V	113.60	113.80	112.30	101.50
	102.33			00.8
19209 V	112.50	109.75	110.10	109.35
	102.10			
19210 V	112.11	109.70	108.55	109.00
19210+45L	106.90	FL 103.50	NL 110.00	109.35
19211 V	114.15	112.10	110.00	102.30
19211+69	116.30	114.90	114.95	113.75
20211+89	112.40	117.15	112.40	115.10
	108.64			
20212 V	109.15	109.35	119.75	108.30
212+00	119.30	119.00	119.75	119.70
20212+99	118.50	119.05	118.85	119.20
	107.91			109.68
20213 V	108.90	106.5	110.55	118.90
20213+22	112.05	114.15	112.75	118.90
20213+83	117.10	117.85	117.45	116.75
20214 V	106.24	117.00	117.15	107.30
20214+49	115.00	113.90	116.25	106.45
				106.30
20215 V	105.35	106.35	105.85	106.30
	5.05			105.25
20216 V	105.00	105.25	105.00	

113.31

G H

113.31	119.60	119.20	118.40	105.116.50
	117.80	117.30	116.19	106.19
	114.65	114.27	108.115.10	
	111.40	111.22	108.06	
	110.45	110.20	110.44	105.109.20
	110.70	Top Head, 109.20	Fl. 102.70	Ditch 101.70
	112.25	112.65	111.27	108.50
	114.55	114.25	114.20	108.114.05
	115.75	115.70		
	Ditch			
	108.35	107.95	108.08	
	119.70	119.50	119.70	105.119.60
	119.20	118.75	119.90	
	110.40	110.60	110.76	
	119.75	119.75	119.70	
	118.5	118.5	118.5	105.118.5
	114.20	114.20	114.07	
	115.35	114.80		
	105.55	104.40	104.20	
	104.5	103.9	104.79	

115  
114.79  
115

114.79

4.02  
3.3  
3.2  
W 53  
30  
38

Edwin Hogan

116

- 206+08 Drive to Cookfield. 12" C. Veneer under Drive way fill between Rd & Ry
- 207 L 35' E Rd to Ry
- 208 L 55' E Rd to No. Ry Fence 207+26 W. Coak Jim. E. Cassidy
- 209 V
- 210 V
- 210+45 L 30" ARMO Bar N. 4x7 Cor. S. Header in
- 211 L 20" tile Under RR.
- 211+69 drive to Mullen Barn
- 211+89 E. Geo. Cassidy } drive No. to Cassidy Res.
- 212 V 34' E Rd to Ry
- 212+60 Hand scrape 3' No. of Stone
- 213+79.9 Right Stone Def left 10' to Stone N89° 05' E
- 213 V B.M. 119.26 Mail root/Maple tree front
- 213+22 Front porch Harry Francis
- 213+83 Entrance to Farm Rogers Res 30x40-45 ft S. of S.B.
- 214 L
- 214+10 Entrance to Helman Barn. 22' 50' E Rd
- 215 V W Helman
- 214+18 E. H. Retiff
- 216 V

117

Took  
Mfence Ry

Barn { 564° 07' W 130'  
574° 30' W 122'  
576° 32' W 150'  
N29° 29' W 102' Mitchell 55° 20' E 68'  
N15° 33' W 93' Res 545° 16' E 43' Stone 519° 16' W 30'  
N11° 55' W 123' 522° 42' E 83' 562° 12' W 38'

Res. of Map of Hand scrape

118

A

B

C

~~DE~~

~~DE~~

E

F

G

119

217 V	101.0.15	102.41	103.50	103.70	104.00	108.40	102.05	102.79	
217+45		112.60	113.30	113.85	113.70	113.15	112.10	111.85	105-111.80
217+62		112.15	113.15	112.35	112.75	113.00	112.00	111.80	105-111.70
218 V	101-98.00	101.36	102.75	102.60	102.85	102.45	101.50	102.54	
218+73		110.30	109.70	110.40	110.25	109.90	110.55	112.45	105-112.40
219 V	101-97.5	98.80	99.45	99.15	99.70	99.15	99.30	101.25	
219+36	<sup>Batch</sup> <sub>3.11.1</sub> 101-105.00	107.65	107.90	108.15	108.75	108.30	107.80	108.25	
219+38	101-106.95	107.55	107.90	108.10	108.70	108.05	107.75	108.25	
219+50	101-97.10	97.50	97.45	97.80	98.40	97.85	97.50	97.35	
219+55		107.20	107.20	107.75	108.20	107.60	107.35	117.20	105-107.80
219+66									
219+71		107.20	107.25	107.35	107.65	106.90	107.20	107.60	
220	101-105.50	105.91	105.55	106.95	106.40	105.65	106.30	107.76	
220+92		102.25	101.45	101.00	98.60	101.30	101.85	101.40	
221	101-103.80	101.94	101.50	101.60	99.60	100.85	100.85	100.71	
222	101-102.45	99.76	98.45	97.50	97.00	96.65	95.85	96.57	108.9550

120

217 ✓ 216+20 & 20x30 Bldg if from Rd way.

217+45 Gate to Retliff Shop. So.

217+62 Gate to Retliff garden. So.

218 ✓

218+73 Walk gate to Retliff Res. So.

219 ✓ Sta 219 Def 4° 19' R

219+36 W. fence N. Road.

219+38 W. fence E. Rd

219+50 E. N. Rd

219+55 E. S. Rd

219+66 E. fence N. Rd

219+71 E. fence S. Rd

220

220+92 Walk to Burr Hadley.

221

222

101

Res	S	55°	30'	102	Darn
Burr	S	53°	30'	102	
Hadley	S	47°	30'	76	House
W. J. Sargent	S	54°	30'	102	
E. D. Via Hadley	S	51°	32'	102	

Hadley	N 71° 0' E	228		
Hadley	N 69° 45' E	200		
Hadley	N 58° 35' E	228		
Retliff	S 53° 52' W	102		
Retliff	S 47° 30' W	76		
Retliff	S 34° 22' W	98		



112.14  
85.94

122 H

B

C

D

E

F

G

123

223

107/100.70 96.36 93.80<sup>20</sup> 92.00 90.55 90.00 89.70 90.57 105.97.75

224

107/96.40 92.12 89.90 85.80 84.55 83.10 82.65 83.15 105.83.10

225

107/96.80 90.25 88.00 84.00 80.00 76.25 77.55 76.90

226

107/94.20 90.43 85.50 81.20 77.75 76.05 75.00 74.41 105.73.25

CH-W 1179

227

107/94.25 88.8 84.75 81.25 75.96 71.95 70.50 70.06 105.

E Side W. Way  
70.95

227+47

227+91

228

107/94.19 88.49 89.00 74.60 75.50 72.75 70.95 70.43 105.70.10

229

107/96.00 89.49 85.50 81.60 78.00 75.40 75.15 75.07

230

107/97.64 95.44 85.00 84.30 80.30 72.00 76.10 74.02

231

107/99.03 97.02 94.35 100.02 100.78 100.68 89.20 89.00 105.88.15

232

107/101.20 102.56 104.30 107.05 107.70 107.30 106.75 108.08

233

107/105.20 105.38 109.05 114.35 110.35 111.50 110.30 114.22

233+33

107/105.20 105.38 109.05 114.35 110.35 111.50 114.30 115.25 105.115.55

234

107/116.00 107.32 111.50 114.50 115.00 114.25 113.30 115.80

234+09.4

107/116.00 107.32 111.50 114.50 115.00 114.25 113.30 115.80

235

107/107.25 109.73 112.00 115.25 115.40 114.70 113.25 114.91

112.14  
85.94

124

223

~~223+50~~

~~223+50 - P.I. Def L 5°49'~~

224

224+00 Def R. 5°17'

225

226

227

in Conculy. Wing 2 from SW Cor.

227+47

⊕ Creek

227+91

SE Wing ⊕ Rd 2 fr. End

228

229

230

230+90 Def R 5°17'

231

231 V NB 16" So. ⊕ Ry

232 V

233 V

W. Dave Hadley  
R. Eubanks

233+33

gard Soil to field

234 V

234+99.4

Def 25' Right

W. B. Hadley  
E. Hugh Brown

N 89°33' E 70  
S 70°24'56" W 2451.68

235 V

125

	126	A	B	C	D	E	F.	G	127
236 V	107 108.30	111.83	112.85	114.30	114.70	113.95	112.55 112.55	112.74	
237 V	107 109.10	112.61	113.91	114.30	114.60	113.60	112.35	113.36	
238 V	107 108.75	113.86	114.35	114.05	114.35	113.55	112.35	112.66	
239 V	107 109.70	114.30	114.35	114.30	114.50	113.55	112.85	113.72	
239+11		113.70	114.30	114.25	114.45	113.60	112.95	113.20	10's 113.50
239+21		114.15	114.30	114.30	114.45	113.80	113.25	114.10	10's 114.25
239+53	10N	114.10	114.20	114.25	114.50	113.80	113.65	114.45	10's 114.70
240 V	114.95	113.95	113.95	114.45	114.60	112.10	113.25	114.62	
241 V	107 10N 112.10	114.65	114.45	114.65	115.00	114.35	113.70	115.06	
241 V	113.40	114.16	114.15	114.35	114.40	113.90	113.00 D	113.92	
243 V	107 113.30	114.16	114.10	114.10	114.35	113.50	112.70	113.82	
244 V	107 112.95	113.01	113.75	114.30	114.55	113.75	112.95	114.24	
244+7	107 113.20	113.75	114.30	114.60	114.70	113.25	114.05	113.65	105
245 V	107 112.45	113.13	113.70	114.30	114.70	113.70	113.00	113.46	
246 V	107 112.90	113.46	114.10	114.20	114.55	114.70	112.95	113.60	
246+07	107 113.65	113.95	114.25	114.60	114.70	113.05	113.45	113.40	105
246+RS.5	107 114.05	114.15	114.20	114.20	114.50	113.95	113.25	113.55	B.M. 114.53 Nail Head Root of Slm Tree 24" diam

128

236 ✓

237 ✓

238 ✓

239 ✓

Hugh Brown	(S 5° 28' E 175'	H. Brown	(S 22° 3' E 100'
Barn	(S 7° 39' E 145'	Res	(S 40° 47' E 57'
	(S 10° 22' E 150'		(S 55° 9' E 72'

239+11 drive to Ho. Hugh Brownfield,

239+12 drive S. to H. Brown Tenant House

239+15.3 walk S. to Brown Terr. H. B.M. 11A, 48.

240 ✓

241 ✓

242 ✓

243 ✓

244 ✓

244+1.9 gate S. to Brown field

245 ✓

246 ✓

246+07 gate S. to Brown Orchard

246+25.3	♀ Red No. Def 44 Right	37'	N 90° 16' E to
			(S 72° 52' E 169.8

1st Reg. 37. 13

2nd Reg. 6. 19 R, Cord 284

129

♀ Red No.	Brown	(S 26° 45' E 83'
	Res	(S 18° 56' E 79'
		(S 1° 26' E 120'

130

A

B

C

D

E

F

G

246+73

112.95 113.95 114.00 114.25 114.75 113.15 113.75 113.85

247 V

10.7.

112.25

112.24 112.75 113.15 113.40 113.85 112.60 112.46 112.60

247+03

10.7.

248 V

110.90

111.03 110.95 111.90 112.40 116.80 110.80 111.27

249 V

110.60

110.24 110.30 111.50 111.80 111.10 109.90 110.46

250 V

109.70

110.00 110.00 111.35 111.85 111.20 109.95 110.45

251 V

109.35

110.16 109.35 111.00 111.60 112.5 110.20 110.87

252 V

108.95

109.75 109.25 110.50 111.05 110.45 109.25 109.93

253 V

108.60

109.55 109.45 110.60 111.10 110.95 109.45 110.15

253+59

109.50 108.75 110.60 111.40 110.90 110.35 110.40 110.30

253+69.8

~~109.20 108.60 110.65 111.25 110.80 109.85 110.25 110.30~~

254 V

109.20

108.60 110.65 111.25 110.80 109.85 110.25 110.30

254+36

R. 1. Det

St. N 20

254+01

R.

320

254+38

~~108.75 109.75 110.75 111.00 110.50 110.00 110.25 109.90~~

254+50

~~108.30 109.45 110.55 110.90 110.40 109.80 110.23~~

255

~~108.77 108.80 110.20 110.55 110.05 109.65 110.47~~

131

105

113.85

105;

112.60

ditto

110.80 111.27

111.10 109.90 110.46

111.20 109.95 110.45

112.5 110.20 110.87

110.45 109.25 109.93

110.95 109.45 110.15

105.

110.90 110.35 110.40 110.30

110.80 109.85 110.25 110.30

B.M. 110.23  
N.E. of  
Farm with  
Brown's  
S. Res.

ditto

105.

110.50 110.00 110.25 109.90

110.40 109.80 110.23

110.05 109.65 110.47

132

246+73 Walk to Brown Res

247 V

249+03 Gate to Brown Barn

248 V

249 V

250 V

251 V

252 V

253 V

253+59 Gate S. to garden

253+69.8 P.C. Int. Hinge 169.52' - 3 1/2' C. Def to PT Sta. 156+49.56 Do Right

N. 96° 36' E to Sta 153+49.5	} Waite + Brown Res	S 33° 44' 8" E
		S 15° 15' 73" E
		S 10° 48' 97" E

254 V

254+36

254+01 Walk to <sup>water</sup> Brown Res.

254+38 Drive So. to Brownfield

254+50

255

133

134

A

B

C

D

255+20

255+50

256

256+925

257

← 1055.50 ft

259+86.2

258

259

260

260+23

260+38

260+40

260+55

261

261+32.2

262

108.77

108.04

107.47

106.96

106.74

106.54

8' N. 3' 0" Rd.

107.15  
No Stk 8' S. E. Rd.

106.65

± Rd. 22 N. 107.26

10' N 107.00

106.65

+ Old Rd

107.75

107.27

105.84

108.05

107.45

107.55

107.25

106.85

106.85

107.20

106.20

106.65

107.95

107.45

106.45

109.55

109.20

108.60

107.80

107.40

107.45

106.60

106.45

106.90

106.50

106.75

106.55

110.00

109.75

109.15

108.50

108.20

108.10

108.60

106.45

106.90

106.00

106.55

106.00

V

F

G

135

DIRT

107.60

107.40

107.90

108.10

107.65

107.65

105.50

106.45

106.25

105.85

105.70

105.80

108.95

109.05

108.90

107.50

106.75

106.60

105.35

106.20

106.20

105.85

105.50

104.90

109.49

108.93

108.70

107.59

107.06

107.20

105.51

106.25

106.20

105.97

105.77

104.91

105

4' S. 10' E. Stone

105.58

So. Rail Pk. Rd.

105

136

W. Endanks  
E. F. Russell

255+70

255+50

256

256+92.5

257

257+86.2

258

259

260

260+33

260+38

260+40

260+55

261

261+32.2

262

P.T. Def 3°48' Right.  $N 100^{\circ} 24' E$   
To Sta 256+86.2

Def 7°55' Right.  $N 108^{\circ} 00' E$   
To Sta 261+32.2  
259+80 & Drive to RR

259+86  $\notin$  Rd S

Gateway No to Russel Res

W. fence to Rd.

Drain all 30

W. H. Barker

$\notin$  So. Rd. Sealine 3&4-15-1E E Barker

$\notin$  Driveway No to Ry Stop

W. Russel

E fence to Road E. H. Hadley

Front Entrance Barker Res

P.D. 7°45' Right.  $N 116^{\circ} 9' E$   
To Sta 265+4.7

137

257 to 257+86.2 only 36.2 ft

23.58 to Barker porch

Barker  $\left\{ \begin{array}{l} S 72^{\circ} 22' W 65' \\ S 35^{\circ} 22' W 45' \end{array} \right.$  Russel  $\left\{ \begin{array}{l} N 37^{\circ} 40' W 175' \\ N 44^{\circ} 9' W 153' \end{array} \right.$   
Res.  $\left\{ \begin{array}{l} S 57^{\circ} 45' W 60' \text{ RES} \\ N 48^{\circ} 8' W 163' \end{array} \right.$   
Stone Sec. 34A-1E-N28°E-180'



91.18

138

♀

	A	B	C	D
263	105.22	104.50	105.20	105.71
264	104.07	103.80	102.20	104.35
265	102.12	102.20	103.95	103.25
265+69.7	104.64	104.50	104.15	102.90
265+94	107			
266	104.15	103.81	103.55	102.15
267	100.88	100.65	101.25	100.80
268	99.45	99.30	99.85	100.10
268+73.7	98.80	98.86	98.70	98.80
268+79				
269	98.52	98.20	98.35	98.60
270	96.22	95.20	95.75	96.15
271	91.09	90.85	91.65	92.10
271+91	Ditch 85.90 Fl. 84.40 Top 88.30			90.45
272	86.64	87.00	89.80	90.40
273	91.00	91.80	92.05	92.30
273+90				

F. F. L. 92.60

139

E	F	G
104.95	104.15	104.92
104.60	103.85	103.73
103.90	104.20	103.90
103.80	103.20	103.12
102.45	102.75	102.57
101.30	101.00	100.89
100.05	99.40	99.98
99.75	98.60	99.91
98.30	97.90	98.97
95.60	95.45	98.96
91.65	91.20	93.42
89.55	86.15	85.17
91.95	91.00	92.52

Top 88.30  
F.L. 84.20 Ditch 84.00

91.18

140

263

264

265

265+64 Def 6°13' Left } N109°51' E  
To 5 to 268+73.7265+94 Entrance to H. Hadley Res No } Bearing  
from form  
Sta. 207+13.7

266

267

268

268+73.7 Def. 2°31' Left } N107°20' E  
To 5 to 270+81.5268+79 Gate No. to H. Hadley Barn } N 52° 45' E  
N 10° 3' W  
40' deep

269

270

271

271+91

272

273

273+26 5" drain fr N. to NB

269+55 } W. Barker  
E. Thos. M. Calicut  
271+45 30' long Replace with 12' Sp. Culvert  
48" Boiler plate Sewer at 90° Flow. So.

141

Hadley } N 46° 18' W 300'  
To S. } N 56° 30' W 260'  
N 58° 28' W 300'

142

H

H  
Hitch

G

E

E

F

G

274

97.03

95.80

96.25

96.53

96.10

95.35

96.23

274+03

274+81.5

97.77

97.75

98.35

98.71

98.10

98.05

98.18

10's

98.10

246+25.5

Def R 37'

st. S 20'

NW cor Brick

Foundation S 55° E

SW cor loading

Platform N 60° E

80.6'

B.M. 100.03

Nail Head

Root locust

Tree 38' S.E.

of st. K-e

274.81.5

254+36

P.I. Def R 9° 31'

st S 20'

N 20'

NE cor

Brick Found

ation S 30° W

80'

264+84.5

265+27 P.I. Def L 12° 51' st 20'S

20' N

SW cor Porch

Foundation N 40° E

89'

259+86

260+30

P.I. Def R 20° 28'

st S 20'

SE cor Cement

Found N 30° W 5'

N/W cor Cement

Block Foundation

S 20° E 105.5'

274+39 End Rd &amp; Rd S

144

274

274-13

W. fence So. Rd

274-181.5

E. E. Rd. No. 50. diteloss

246+25

254+36

259+86

260+38

M. O. M. M. M.

Barr. { S 13° 08' W

140'

96'

100'

140'

96'

100'

Barr. { S 52° 45' W 160'

S 66° 27' W 108'

S 74° 7' W 160'

Rockville Road  
146

Sta

87 10' 6" tr S. R. TH2+E

880 BL 6' 4" from S. Rail TH2+E Det 4° 7' R

89 " 5' 3" " " " " " " " " " "

90 " 8' 6" from S Rail

90+800 " 6' 9" from S Rail

91 " 7' 3" from S Rail

92 BL 9' 1" from S Rail

93 BL 10' 4" from S Rail

940 BL 11' 8" from S Rail

89+3T BL 5' 7" from S Rail.

147

Def 3° 00' R OK.

OK

OK

OK

Def 0° 7' L OK

BL 45' N of <sup>N Edge</sup> NE corner  
wall of Concrete Bridge

152

St 4

87

880

89

90

90+80

91

92

93

940

89+8

40

#

0

x

880
193.03
-----
686.97
133.33
-----
820.30

20

N 82-15 E

67-29

N 14-46 E

153

82-15

55-31

26-44

67-29

93-73

94-13

4-44

101-57

5-26

106-88

107-23

4-23

111-96

5-42

116-88

117-28

2-52

119-70

120-10

15-44

104-26

5-21

99-05

1-13

98-52

John Laird.  
Willcox - Arizona

154

Present &amp; Rd 28' so. PI. New &amp; 40

Inside 124° 29' 9t. 55° 31'

Radi. 369' P.F. to CC 409'

Def per ft. 4.65 50° - 3° 52 1/2'  
39.2' 8'

3.525	3.525	3.25
6.5	3.5	3.5
176.25	176.25	162.5
211.50	105.75	97.5
22.9125	123.375	11.375

Def 3.25	82.08	3 2.50
3.25		4 10.00
6.50		3
3.25		
9.75		
10.15		

75
582
16.8

89.53	106.77
88.45	73.50
1.08	83.27

174.79
55.31
119.48

180.60

124.29

55.31

155

25' Chords -

.05725 per ft 2° 11.25

PC. 57+58.2 124° 29' 150 ✓

57+75 174° 0' 133.6 ✓

58 177° 5' 109 ✓

58.25 117° 40' 85 ✓

58.50 108° 20' 62 ✓

58.75 89° 10' 45-6 ✓

59 56-15 40-6 ✓

59.25 47-15 51 ✓

59.50 12-15 70-6 ✓

59.75 5-0 93-6 ✓

60 1-40 117-6 ✓

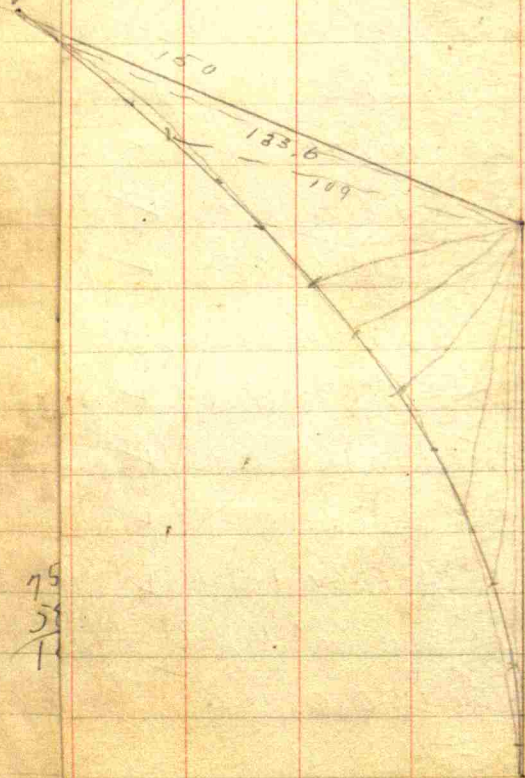
60.25 - 30' 142-6

PT. 60+32.6 150

T = 150'

R = 285.003

156

$$\begin{array}{r} 51 \\ 27 \\ \hline 24 \end{array}$$


$$\begin{array}{r} 75 \\ 51 \\ \hline 24 \end{array}$$

 Int. L  $112^{\circ} 31' - 67^{\circ} 29'$  ~~158~~ ef

 PC to P.I.  $2+35.8 - P.I.$  to PT  $329.8$ 

 Present Curve  $57'$  fr P.I. New location  $63'$ 

49+75	PC	206	✓
49+50		$40^{\circ} 181-6$	✓
49+75		$2^{\circ} 0' 156-6$	✓
50+00		$4^{\circ} 45' 132-$	✓
50+75		$9^{\circ} 15' 109$	✓
50+50		$17^{\circ} 15' 88-6$	✓
50+75		$31^{\circ} 0' 72$	✓
51+00		$51^{\circ} 15' 64$	✓
51+25		$72^{\circ} 45' 69-6$	✓
51+50		$90^{\circ} 0' 80-6$	✓
51+75		$100^{\circ} 15' 99$	✓
52+00		$106-15 121$	✓
52+25		$109-30 144-6$	✓
52+50		$111-15 169-6$	✓
52+75		$112-30 206$	



58

	CLRR TO	CLNR TO
219	CL RR RD	CL Old Rd
219	34.5	<del>34.5</del>
220	41	7L
221	49	4R
222	57	28R
223	6A	48
+50	68	61
224		81
225		104
226		106
228		63
229		43
230		26
231	45	7
232	41	3N
		4N

220 - 41  
219 - 34.5

159

89  
**160**

Big SE. Cor of W. of SE ~~Stone~~ ~~13.5~~

to E. Ind & R. Road.

corner Stone Sec 1 & 2 Twp 15 N - R 1 E

So Edge of So Side So abutment to

over Head Bridge over Ry.

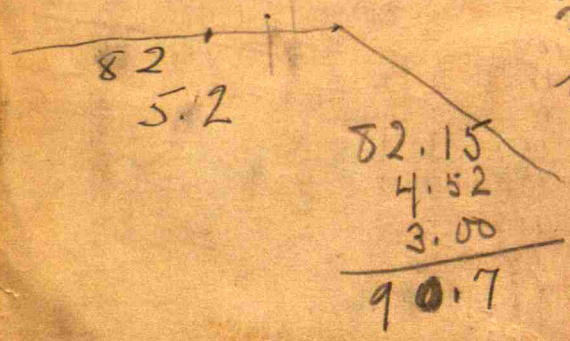
± Rd. at Horiz. 13.5' So of Stone.  
± Rd at 1/2 Stone Sec 1 - E 13.5' So of Stone

62	94+87 1/2	124
63	95	125
64	96	126
	97	127
65	98 - Lin.	128
66	99	129
67	100	130
68	101	131
69	102	132
70	103	133
71	104	134
72	105	135
73	106	136
74	107	137
75	108	137+72.1 (1/2)
76	109	
77	110	
78	110-03.8 ±	
79	N & S. Edge Road	
80	111	
81	112	
82	113	
83	114	
84	115	
85	116	
86	117	
87	118	
88	119	
89	120	
90	121	
91	122	
92	123	
93		
94		

141.77

10+00 - 15' N. E.  
 20+00 - 11' N. E.  
 26+39 - Danville Corp. Limits.  
 30+00 Bridge.  
 32+04 Stone & Road 40' off 500' Base  
 40+00 - 12' N. E.  
 47+00 Bridge Same Arch  
 50+00 17'-6" N. E.  
 60+00 12' - N. E.  
 67+00 - 13'

Alvin Schwengle 4/5/19



82.15  
 4.52  
 3.00  
 89.22

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.  
 ROADWAY 14 FEET WIDE SIDE SLOPES 1 1/2 TO 1.  
 FOR SINGLE TRACK EMBANKMENT.

	0	1	2	3	4	5	6	7	8	9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.