Chillicothe Road
Russell Twp.
Sec. E.

LEVEL BOOK

743

TABLE FOR REDUCING PERCHES TO FEET AND INCHES.

PERCH	FEET.	PERCH.	FEET.	PERCH.	FEET.	PERCH.	FEET.	PERCH.	FEET.
1	16.6 in.	21	3.46 6 in.	41	6.76.6 in.	61	10.06.6 in.	[illegible]	13.36.6 in.
2	33.0	22	3.63.0	42	6.93.0	62	10.23.0	[illegible]	13.53.0
3	49.6	23	3.79.6	43	7.09 6	63	10.39.6	[illegible]	13.69.6
4	66.0	24	3.96.0	44	7.26.0	64	10.56.0	[illegible]	13.86.0
5	82.6	25	4 12.6	45	7 42.6	65	10.72.6	[illegible]	14.02.6
6	99.0	26	4.29.0	46	7.59.0	66	10.89.0	[illegible]	14.19.0
7	1.15.6	27	4.45.6	47	7.75.6	67	11.05.6	[illegible]	14.35.6
8	1.32.0	28	4.62.0	48	7.92.0	68	11.22.0	[illegible]	14.52.0
9	1.48.6	29	4.78.6	49	8.08.6	69	11.38.6	[illegible]	14.68.6
10	1.65.0	30	4.95.0	50	8.25.0	70	11.55.0	[illegible]	14.85.0
11	1.81.6	31	5.11.6	51	8.41.6	71	11.71.6	[illegible]	15.01.6
12	1.98 0	32	5.28.0	52	8.58.0	72	11.88.0	[illegible]	15.18.0
13	2.14.6	33	5.44.6	53	8.74.6	73	12.04.6	[illegible]	15.34.6
14	2.31.0	34	5.61.0	54	8.91.0	74	12.21.0	[illegible]	15.51.0
15	2.47.6	35	5.77.6	55	9.07.6	75	12.37.6	[illegible]	15.67.6
16	2.64.0	36	5.94.0	56	9.24.0	76	12.54.0	[illegible]	15.84.0
17	2.80.6	37	6.10.6	57	9.40.6	77	12.70.6	[illegible]	16.00.6
18	2.97.0	38	6.27.0	58	9.57.0	78	12.87.0	[illegible]	16.17.0
19	3.13.6	39	6.43.6	59	9.73.6	79	13.03.6	[illegible]	16.33.6
20	3.30.0	40	6.60.0	60	9.90.0	80	13.20.0	[illegible]	16.50.0

B. K. ELLIOTT COMPANY, PITTSBURG, PA.
DRAWING MATERIALS AND SURVEYING INSTRUMENTS

PLEASE RETURN TO
GEAUGA COUNTY ENGINEER
COURT HOUSE
CHARDON, O.
PHONE 250-X

Please Return
to
F. R. Rathmayr
Chardon, O
Office-327
Phone Res. - 98

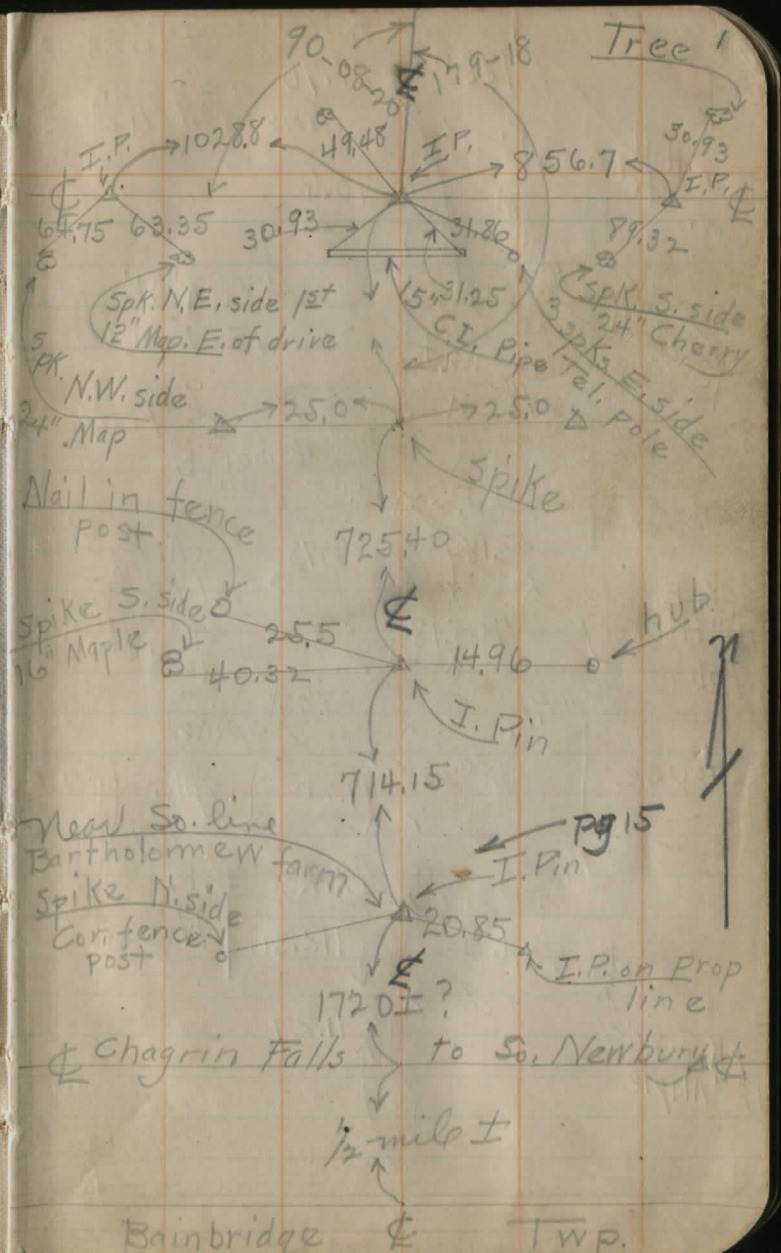
Note,
Iron pipe-were set
at all PI and POT after
pavement was laid
1"O by 18" Pipe with Pat

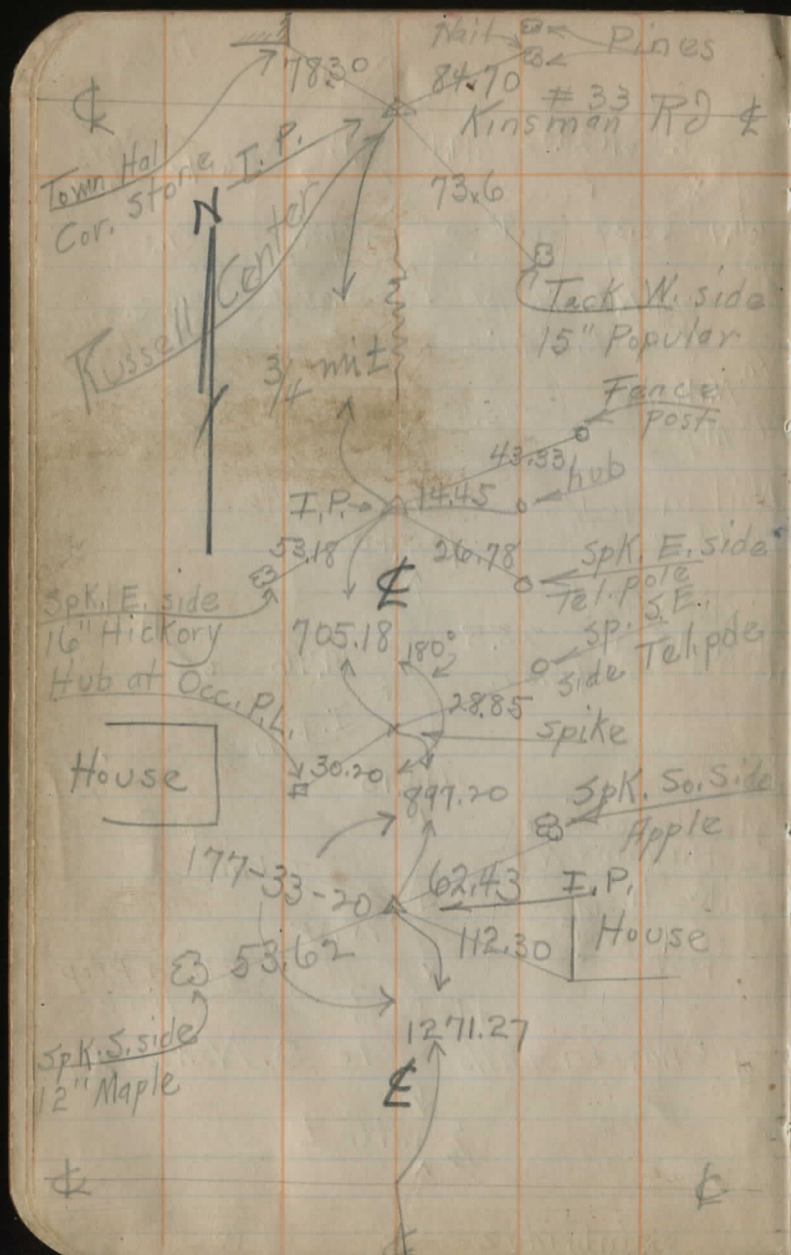
Chill. Road
Survey
Russell Twp

Mentor on the Lake -

Aurora Rd. from
Bambridge - Russell
Twp line north to
Cleveland - Burton
Rd.

Pg 1-20 Alignment
Pg 22-38 Levels & Sec
Pg 71-73 B.M.'s
Pg 40 Alignment Bell Rd. Nth


Tree 1
90-08-20
179-18
I.P.
102.8
49.48
I.P.
856.7
30.93
I.P.
64.75
63.35
30.93
31.86
89.32
Spk. N.E. side 1st
12" Map. E. of drive
15"
31.25
Spk. S. side
24" Cherry
3 Spks. E. side
C.I. Pipe Tel. Pole
Spk. N.W. side
24" Map
25.0
25.0
Spike
Nail in fence post
725.40
Spike S. side
16" Maple
25.5
40.32
14.96
hub
I. Pin
714.15
Pg 15
Near So. line
Bartholomew farm
I. Pin
Spike N. side
Cor. fence post
20.85
I.P. on Prop line
1720± ?
Chagrin Falls to So. Newbury
½ mile ±
Bainbridge
Twp.


Nail
Pines
78.30
84.70
#33
Kinsman Rd ℄
Town Hal
Cor. Stone I. P.
73.6
℄
Russell Center
Tack W. side
15" Popular
3/4 mit
Fence Post
43.33
hub
I. P.
14.45
53.18
216.78
Spk. E. side
Tel. pole
Spk. E. side
16" Hickory
Hub at Occ. P.L.
℄
705.18
180°
Sp. side Tel. pole
28.85
Spike
House
30.20
897.20
Spk. So. side
Apple
177-33-20
62.43 I. P.
112.30
House
53.62
12
71.27
Spk. S. side
12" Maple
℄
℄

6/30/27

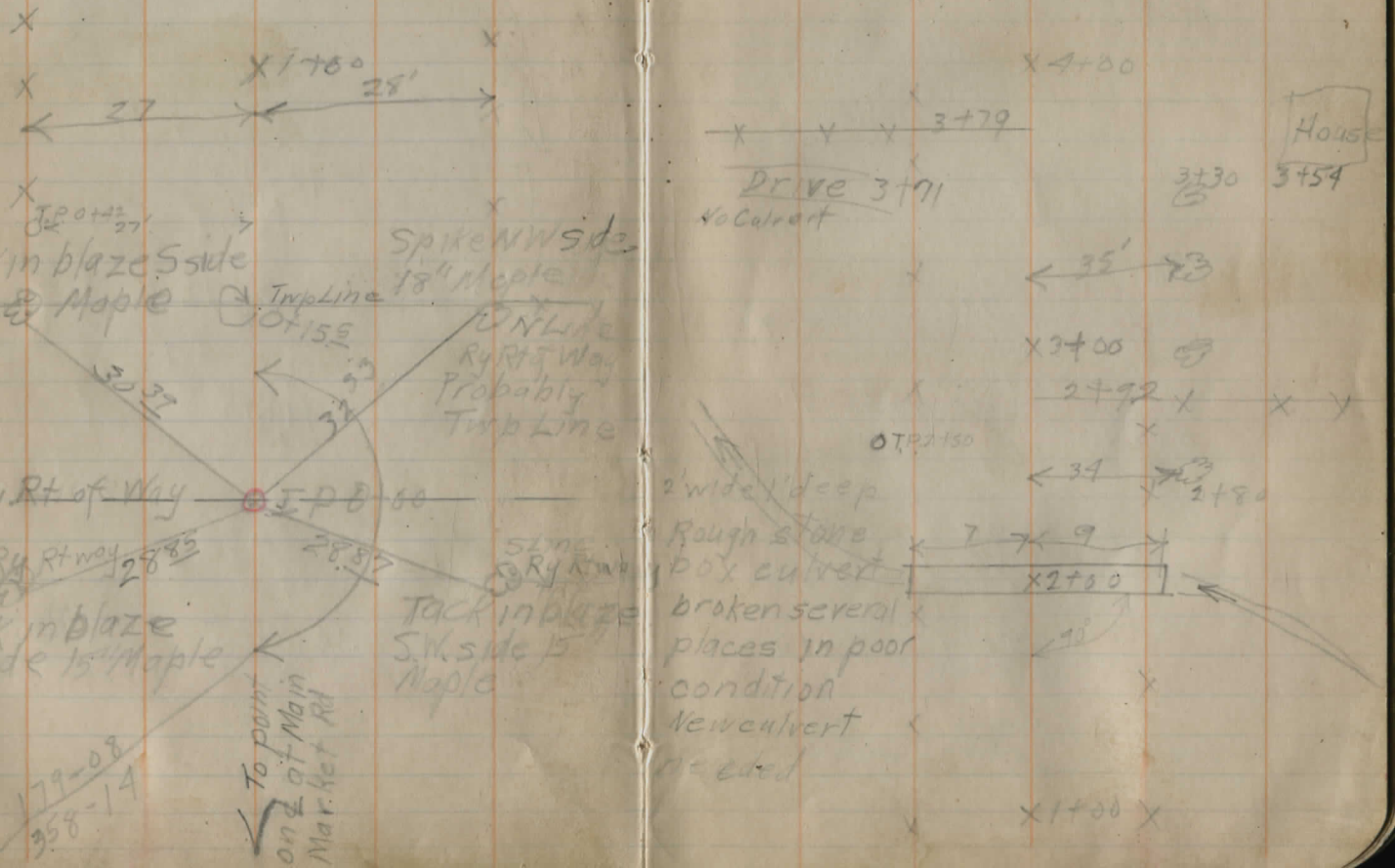
Richey
Rand
Pomeroy

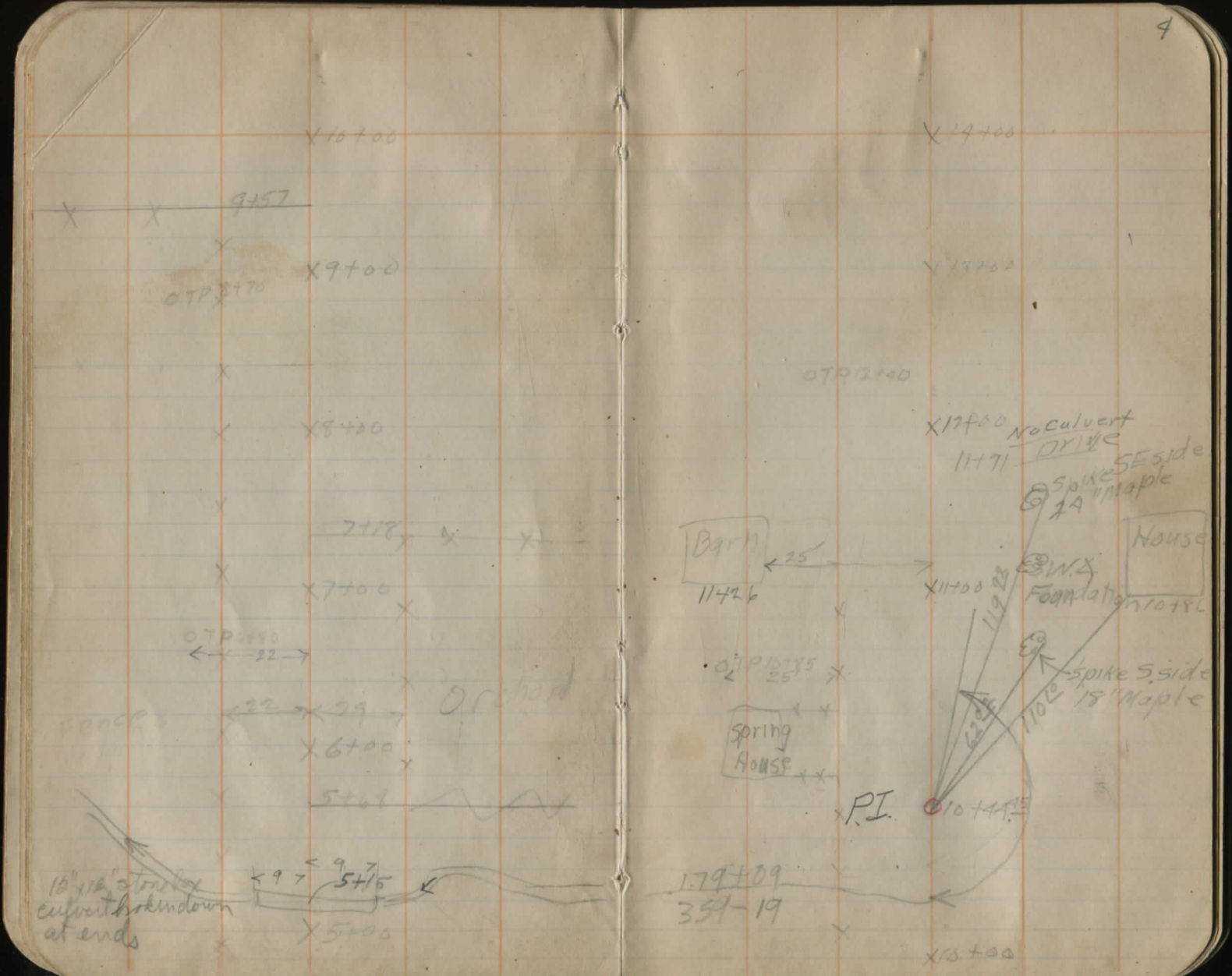
Road Notes Chillicothe

Road from Bainbridge – Russell Twp's Line North to Russell Center

Sidestakes – 30' R. or East

Sta 0+00 = Sta 282+10 Improvement in Bainbridge Twp




10+00
9+57
9+00
OTP 8+70
8+00
7+78
7+00
OTP 6+90
22
22
39
Orchard
Fence
6+00
5+64
18" x 18" stone culvert broken down at ends
9 7
9 5+76
5+00
12+00
No culvert
11+71
Drive
Spike SE side 24" Maple
Barn
25
11+26
11+00
Foundation 10+85
House
119.23
Spike S. side 18" Maple
110°
63°
OTP 10+85
25
Spring House
P.I.
10+44.15
179+09
359-19
15+00

X19+00

X18+00

O.T.P. 17+15

X17+00

X16+00

12" C.I.P. in good condition

12' x 6'

90°

15+45

X15+00

O.T.P. 14+98

X14+00

X24+00

House

12'-6" V.P. 23+64

23+06 Drive

O.T.P. 23+50

25'

X23+00

22+98 Probable Prop Line

Barn

Shed

22+74

18'-12" V.P.

22+55 Drive

Church

X22+00

22+03

21+49

O.T.P. 21+30

25'

X21+00

X20+00

15" 18" Slope

Portland Cement Reinforced Wingwall

11' x 8'

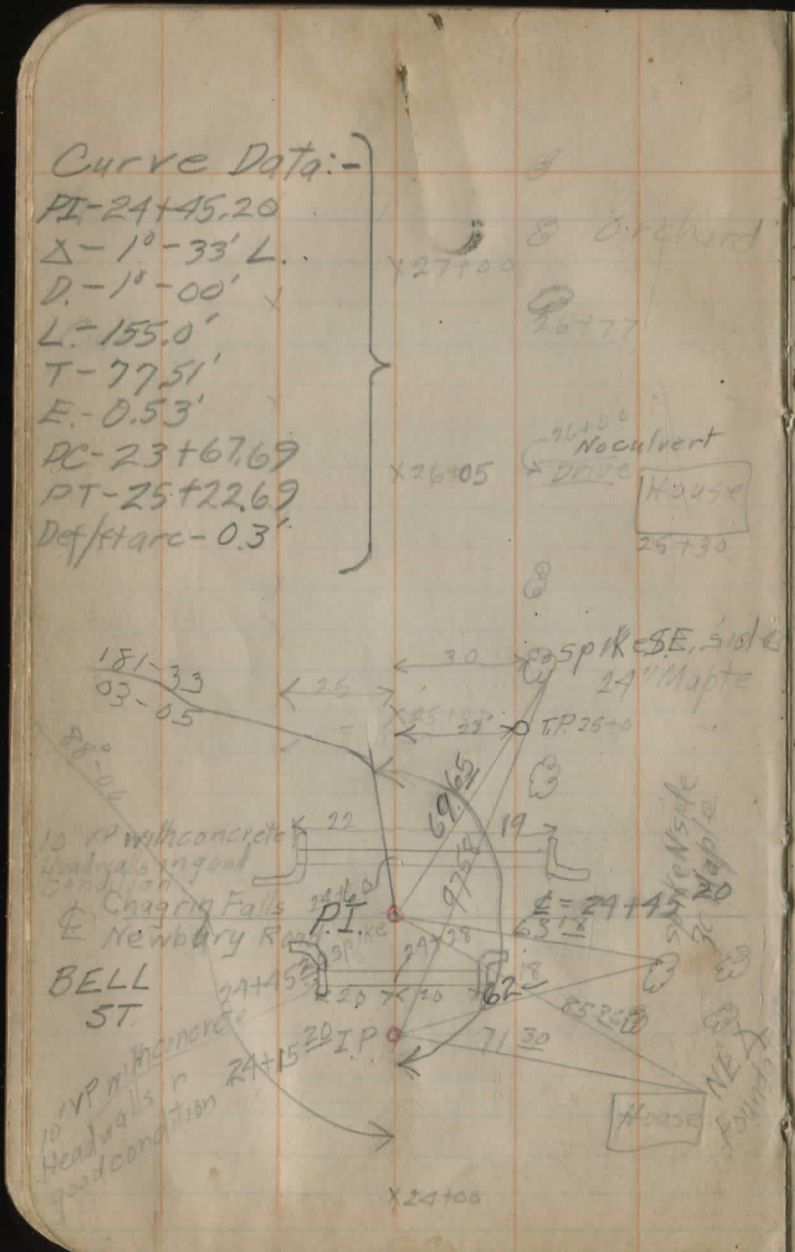
90°

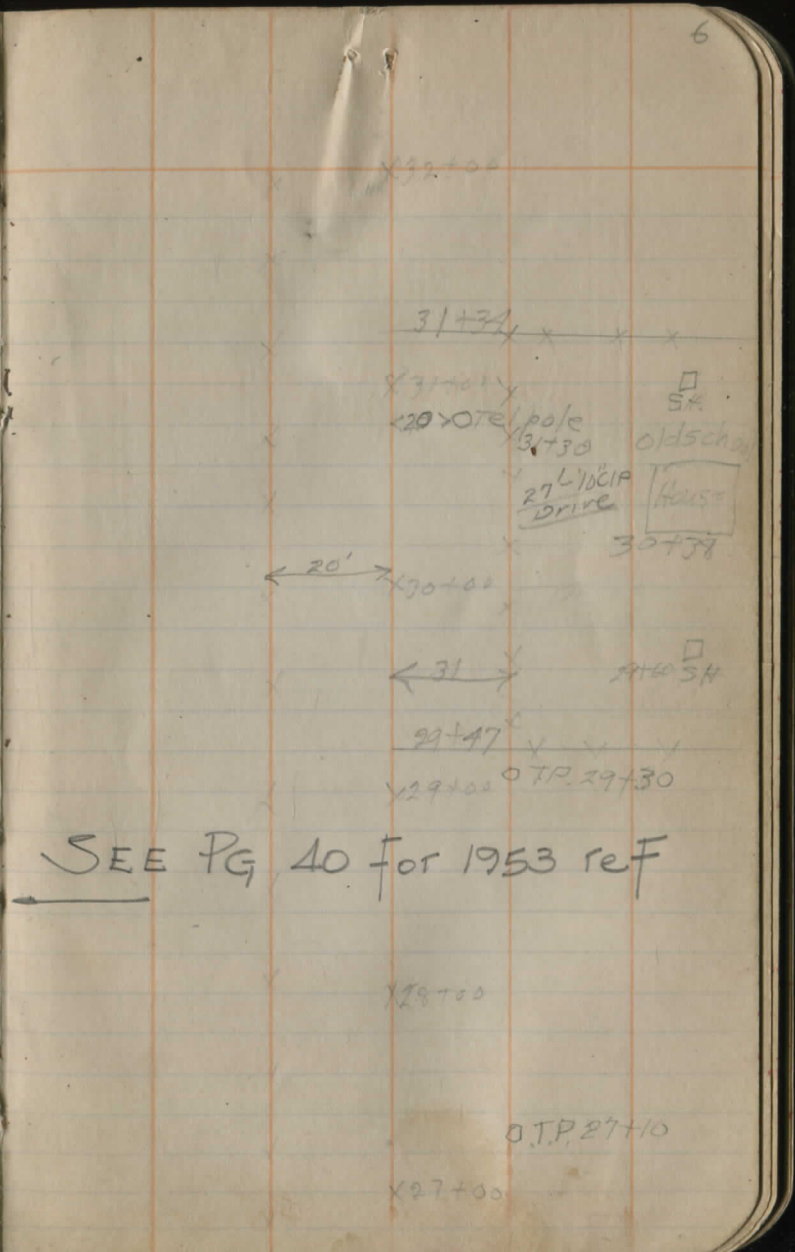
14+60

O.T.P. 14+10

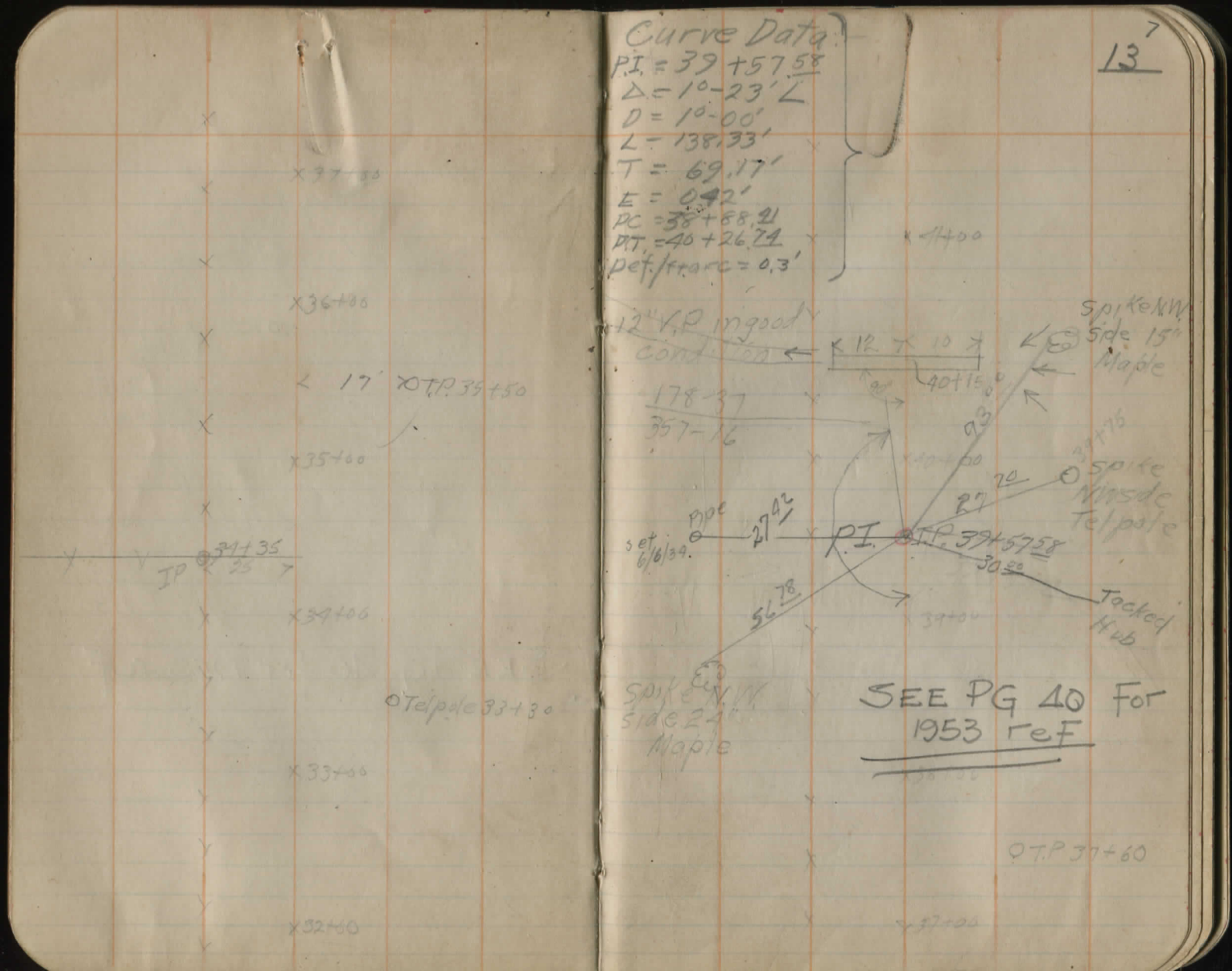
X19+00

Curve Data:-
PI-24+45.20
Δ-1°-33' L.
D.-1°-00'
L.-155.0'
T-77.51'
E.-0.53'
PC-23+67.69
PT-25+22.69
Def/ft arc-0.3'



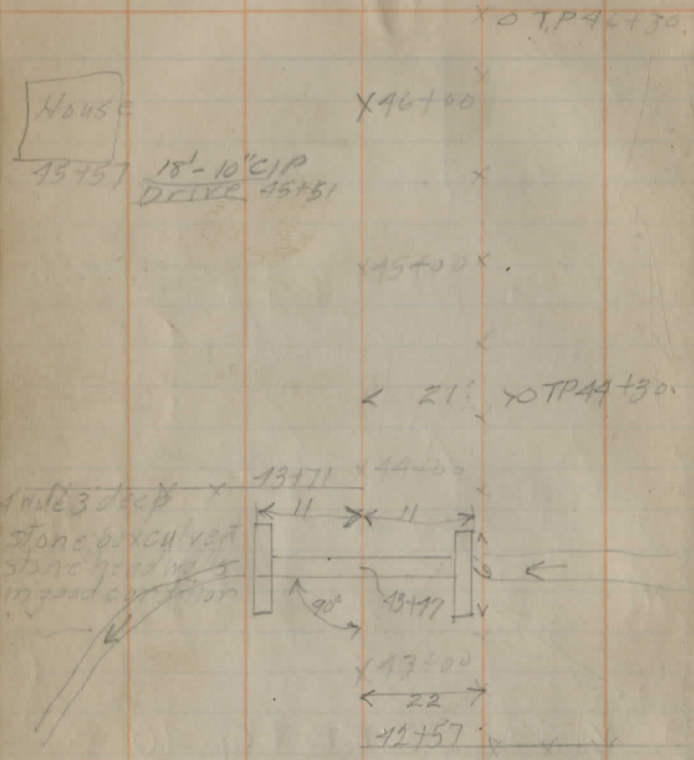


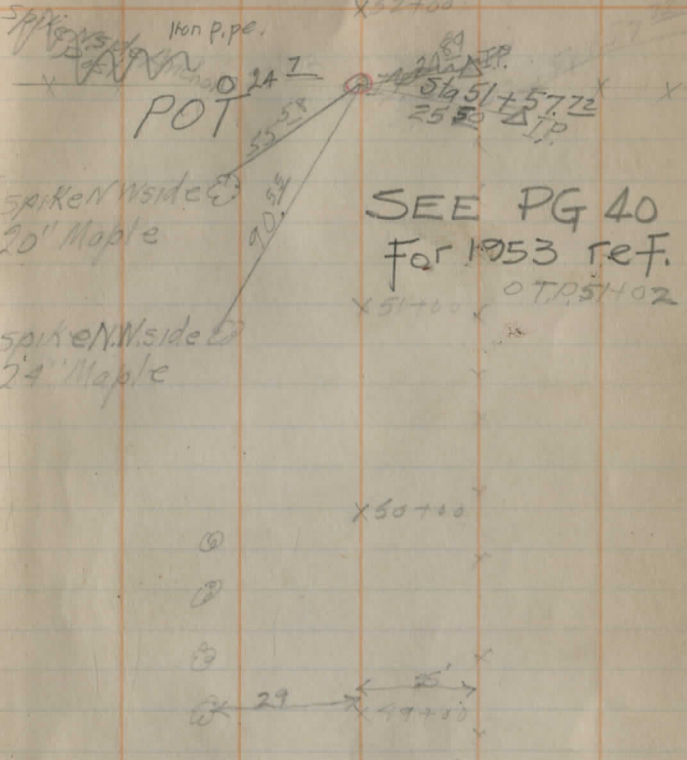
Curve Data:
P.I. = 39 +57.58
Δ = 10°-23' L
D = 10°-00'
L = 138.33'
T = 69.17'
E = 0.42'
PC = 38 +88.21
PT = 40 +26.74
Def/ft arc = 0.3'



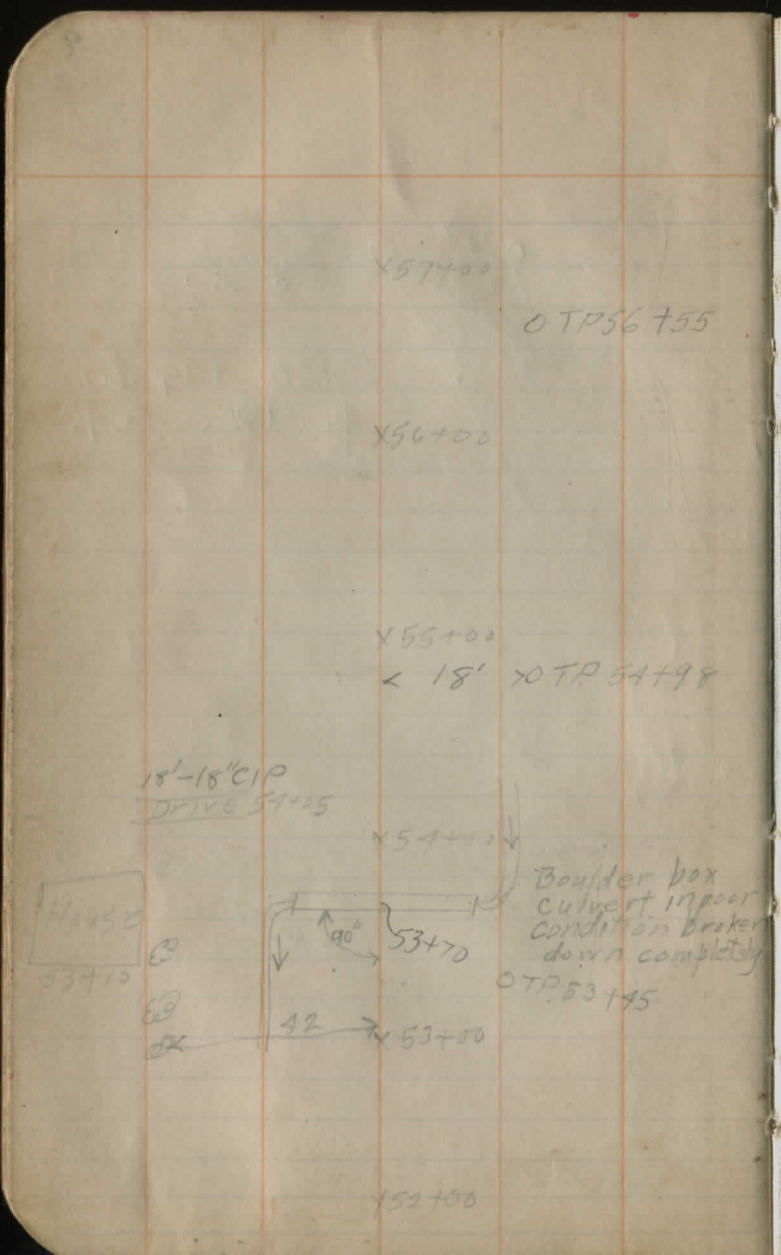
SEE PG 40 For 1953 ref

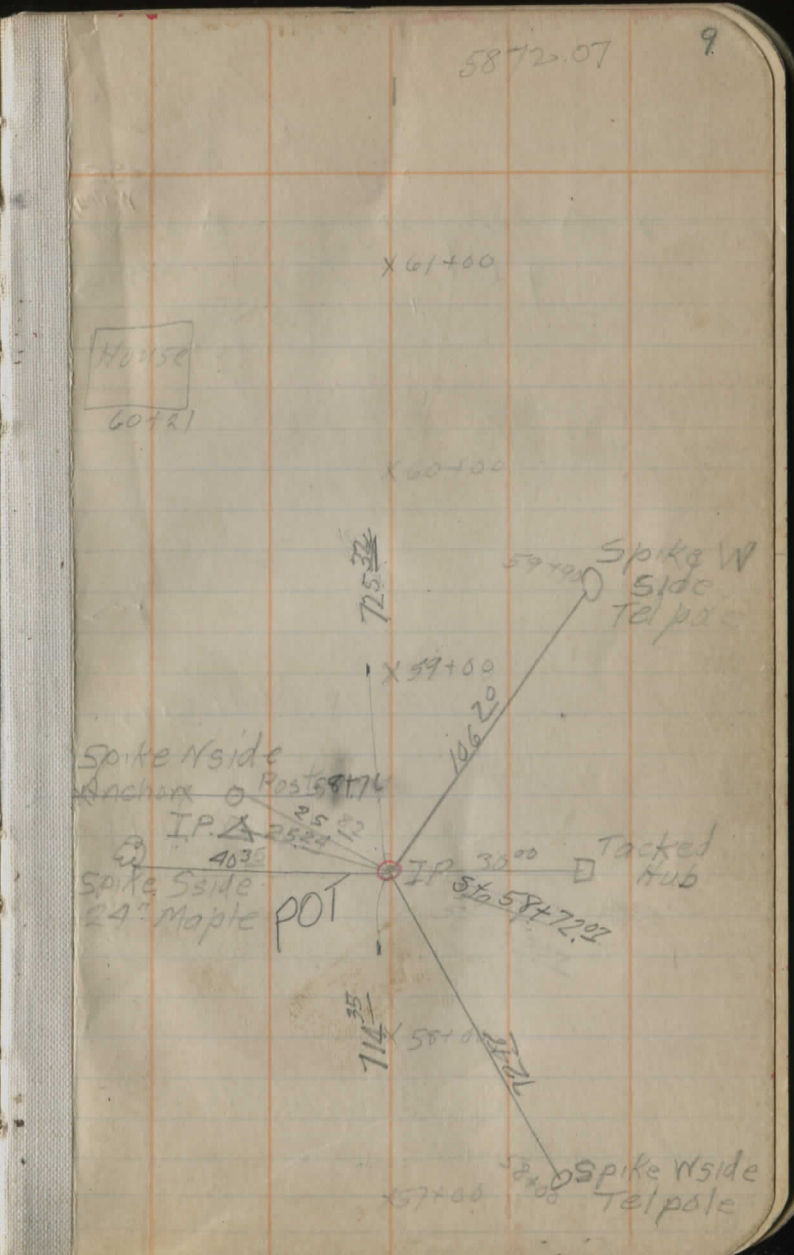
Note:- North Line of South Russell Village = 51+55.57 15

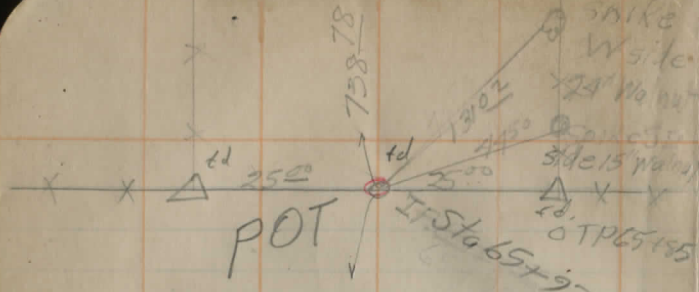




58+72.07


X57+00
OTP56+55
X56+00
X55+00
∠ 18°
OTP54+98
18"-18"CIP
Drive 54+05
X54+00
House
53+10
Boulder box culvert in poor condition Broken down completely
90°
53+70
OTP53+45
42
X53+00
X52+00


X61+00
House
60+21
X60+00
Spike W side Telpole
59+00
725.37
X59+00
106.20
Spike W side Anchor
Post 58+74
IP
25.23
40.35
Tacked Hub
IP Sta 58+72.07
30.00
Spike S side 24" Maple
POT
714.35
X58+00
72.12
Spike W side Telpole
58+00
X57+00



X65+00

X64+00

< 18' TO TP 63+50

X63+00

X62+00

Barn
61+48

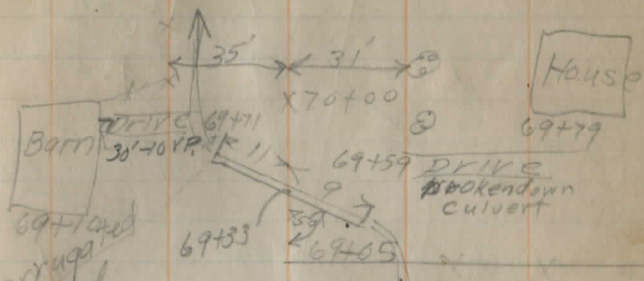
No culvert
Drive 61+32

OTP 61+56

X61+00

X71+00

74+60



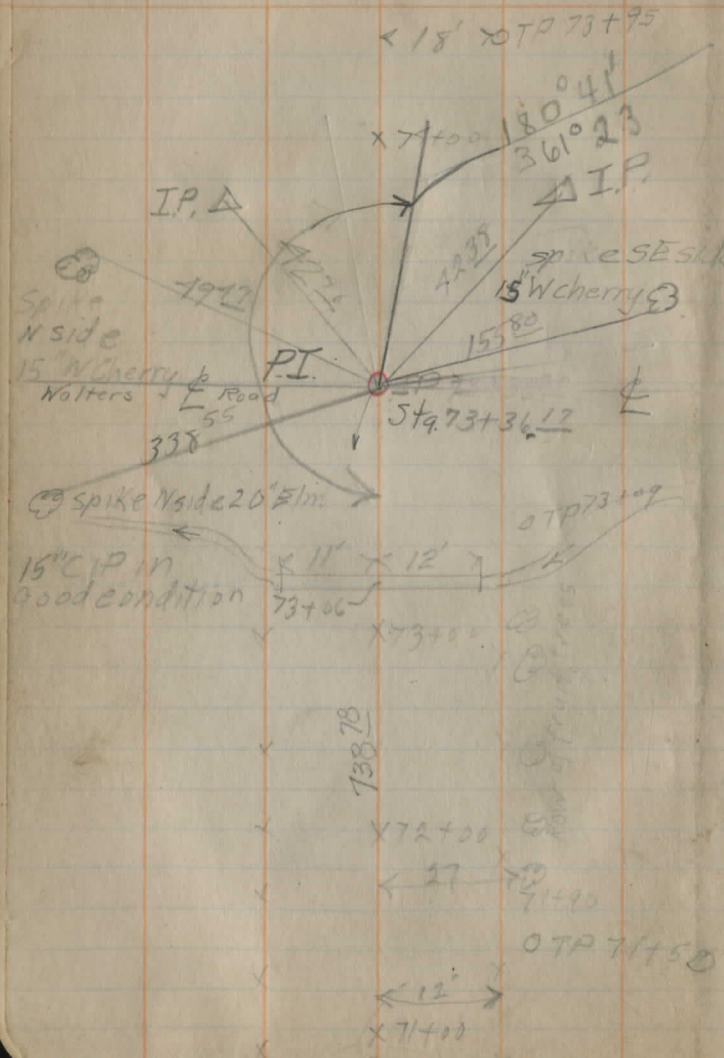
X69+00

< 18'
24'
X TP 68+30

X68+00

X67+60

X66+00



7336.17
689739.
738.78

738.78

86+08.32
73+36.17
12.15

Curve Data:
PI - 86+08.32
Δ - 2°-26' L
D - 1°-00'
L - 243.33'
T - 121.68'
E - 1.29'
PC - 84+86.64
PT - 87+29.97
Def/ft arc - 0.3'

X84+86

X83+00

3'x3' stone box culvert with stone headwalls in good condition

K 14.7 K 10'

82+78

X82+00

< 15°

TP 81+90

35'

X81+46

80+77

X80+00

TP 79+85

X79+00

X87+00

no culvert
86+63 DRIVE

Barn

86+75

177-34
355-01

spike S. side
15" Apple

spike S. side
12" Maple

50'

6.25'

P.I.

IP Sta 86+08.32

House
85+78

spike E. side
2" Maple

53.68'

112.43'

X86+00

16'

TP 86+90

DRIVE 85+75
40'-8" CIP

15"-S" CIP

84+71 Drive

House
85+17

85+05 Drive

X85+00

84+50

TP 84+30

X84+00

92+00

91+00

< 14 > OTP 90+90

90+00

89+78 26

89+00

OTP 88+50

68+63 L 47

88+00

87+40

87+00

94+00

95+06.98 0.3

95+18

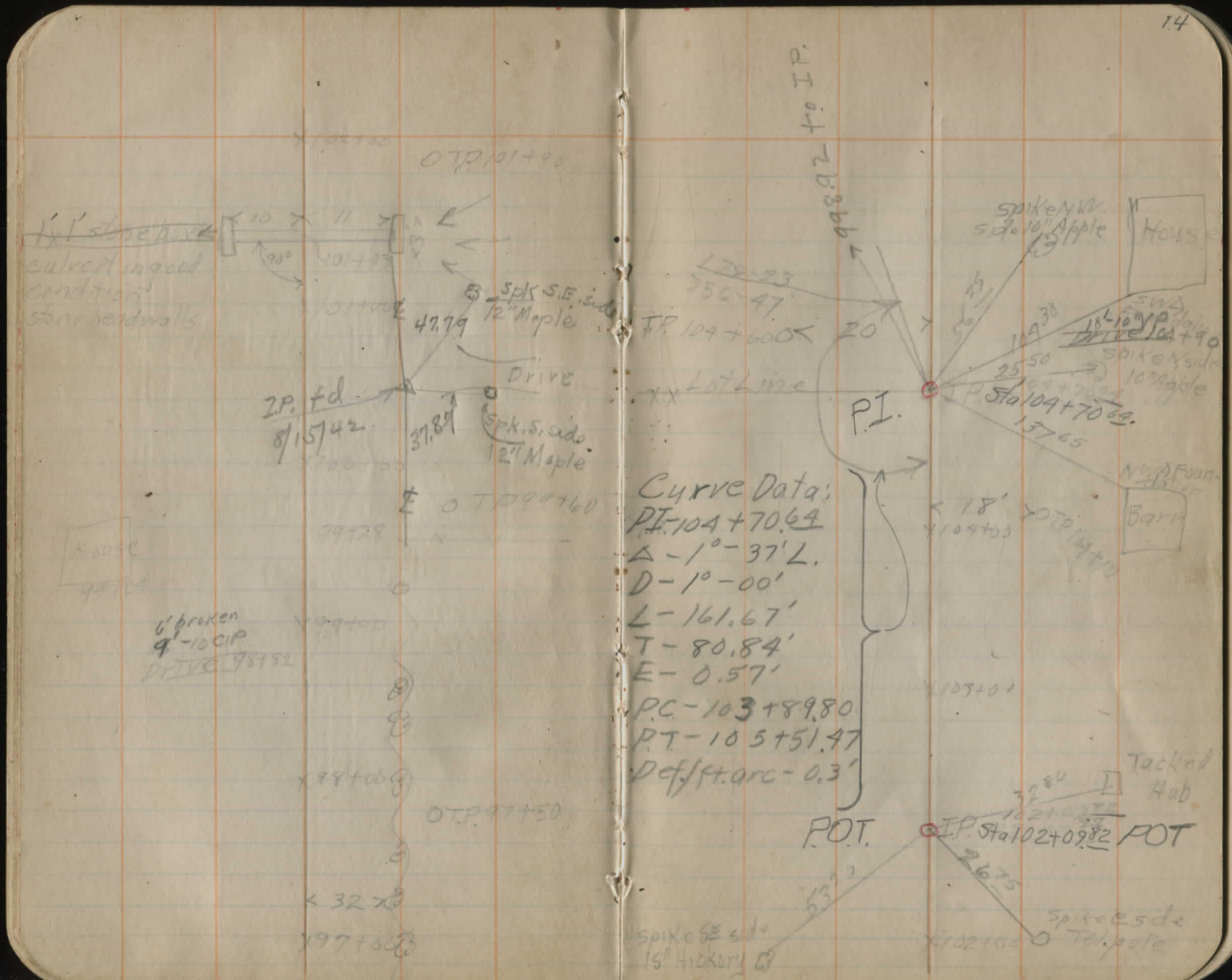
Spike found bent
Straightened spike in
same hole

OTP 95+30

< 31 >

93+00

92+00


1'-1' stone box
culvert in good condition
stone headwalls
10 x 11
20°
Sta 101+45
OTP 101+90
Spks S.E. side
12" Maple
47.79
Drive
P.P. fd
8/15/42
37.89
Spk. S. side
12" Maple
OTP 99+60
6" broken
9'-10 CIP
Drive 98+52
OTP 97+50
x 32 x
x 97+50
Spike N.W. side 10" Apple
House
Sta 104+90
Spike N. side 10" Apple
Sta 104+70.64
15765
P.I.
Lot Line
TP 104+60
20
55C-47
48.92 to I.P.
Barn
Tacked Hub
Sta 102+09.82
POT
2675
Spike E. side 15" Hickory
Spike E. side Telpole
Curve Data:
P.I. - 104+70.64
Δ - 1°-37' L.
D - 1°-00'
L - 161.67'
T - 80.84'
E - 0.57'
P.C. - 103+89.80
P.T. - 105+51.47
Def/ft. arc - 0.3'

7/7/27 Richey Pomeroy Canfield

X109+00

X108+00

107+19 X X X

X107+80

X106+00

House
105+72

X105+20

109+10 Drive

OIP 109+70.20

X113+00

112+94 X X X

House
112+34

15'-8" corIP
112+00 Drive

X111+97

O
TP
111+50

X111+00

24' → 110+10

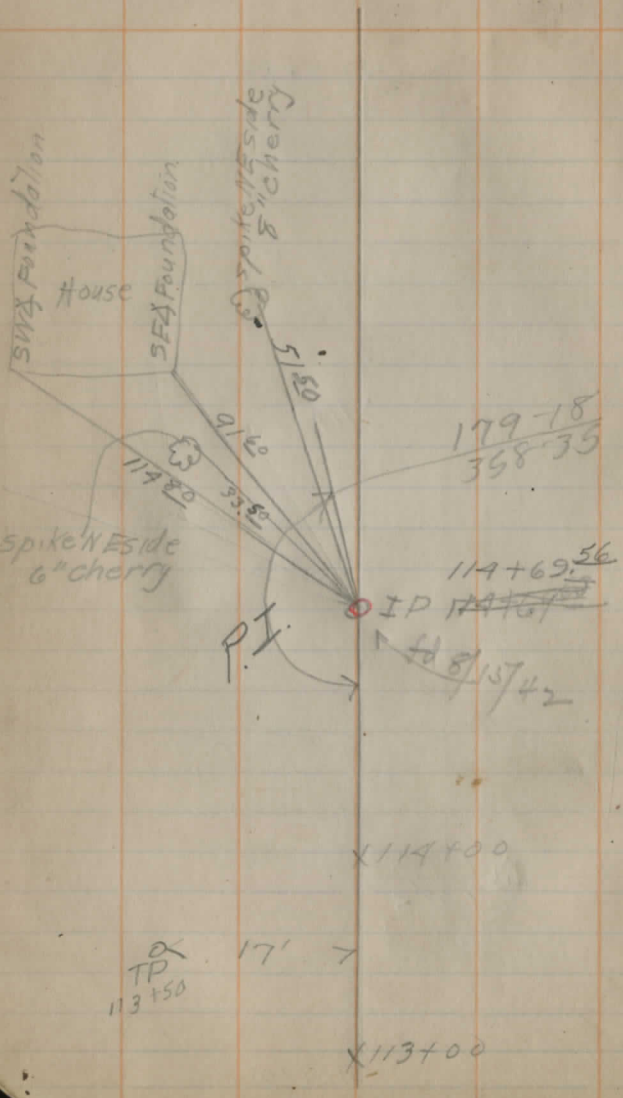
X110+00

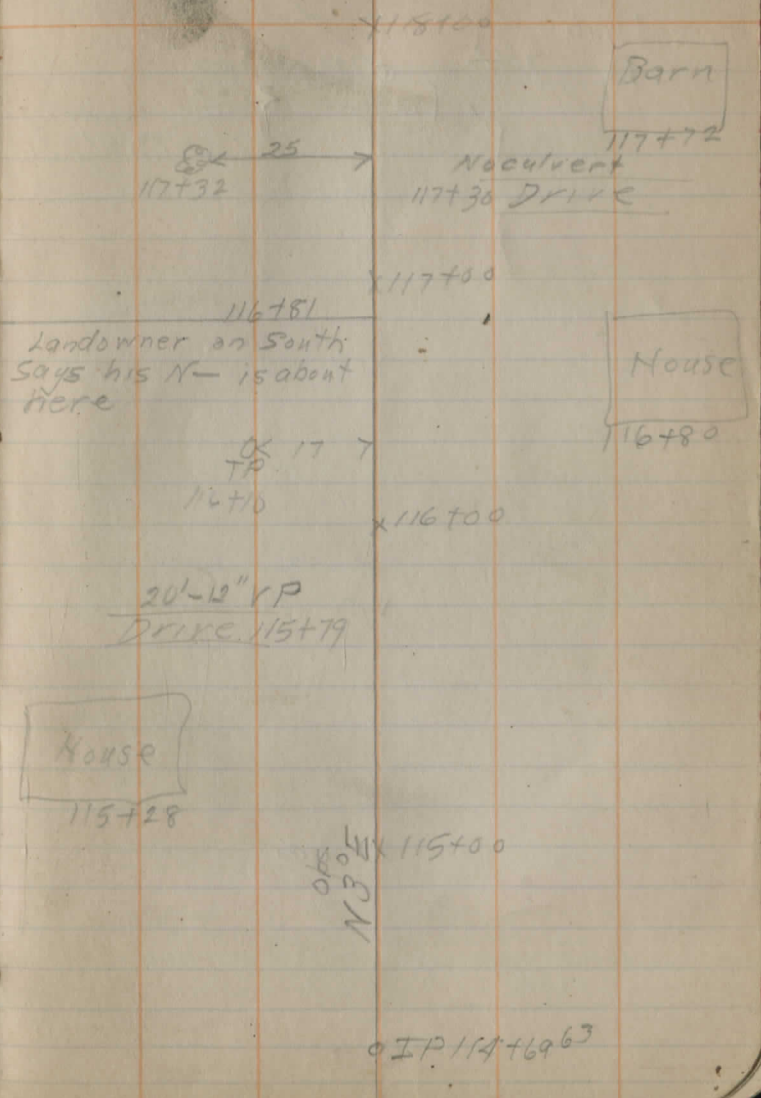
109+90.5
→ 30' ←
Drive 109+63
15'-10 corIP

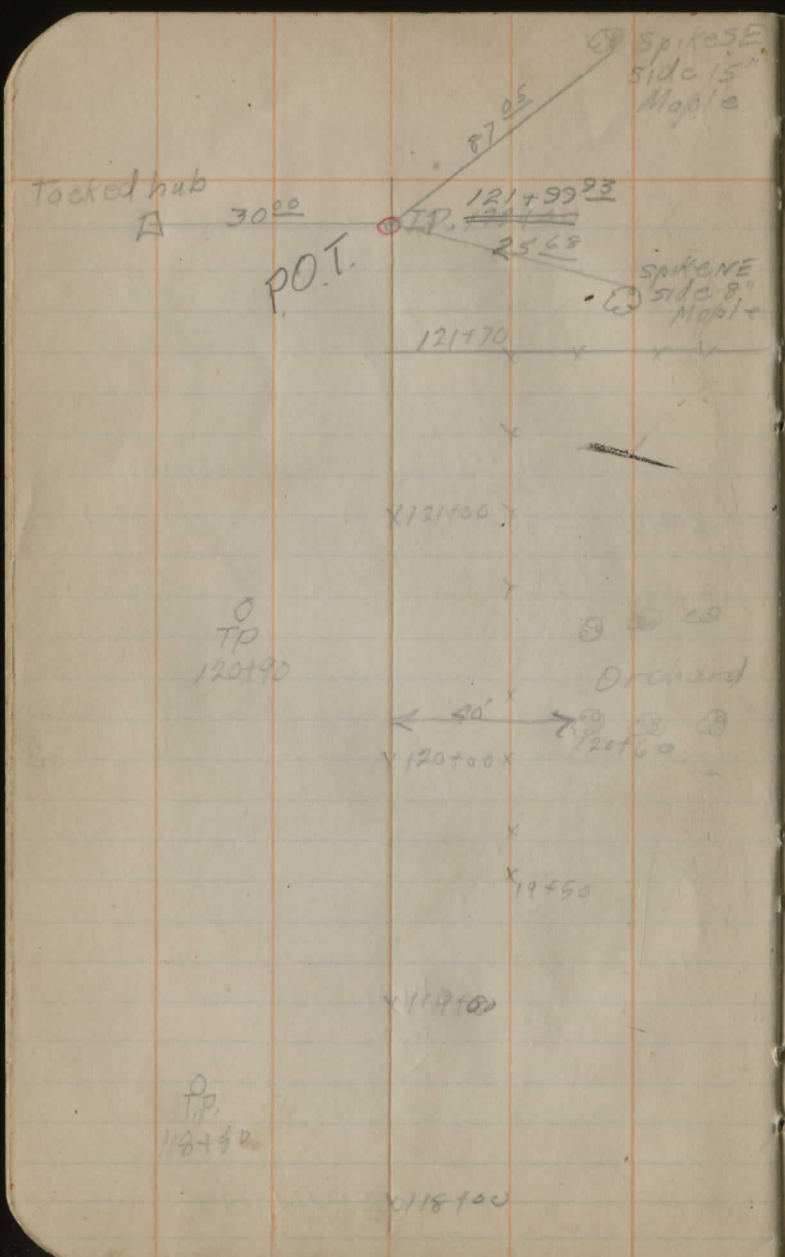
House
109+19

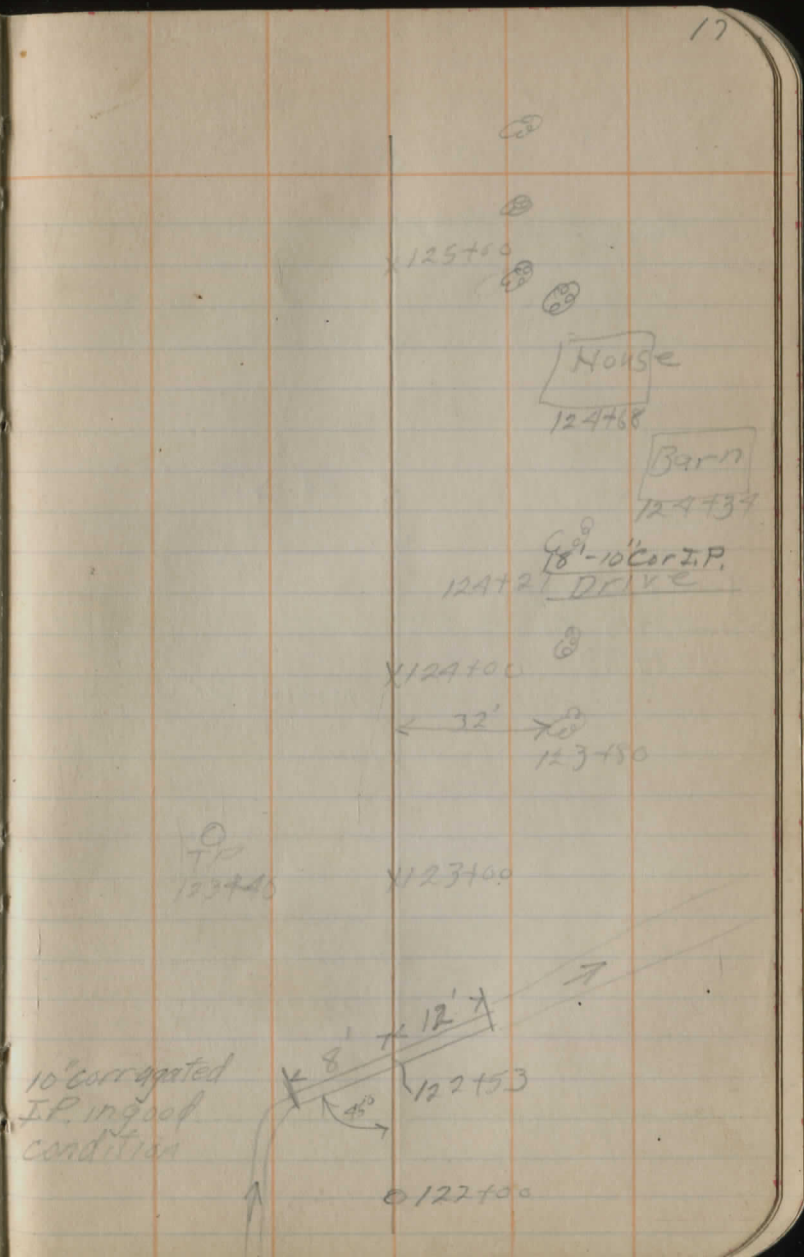
O
TP
109+20

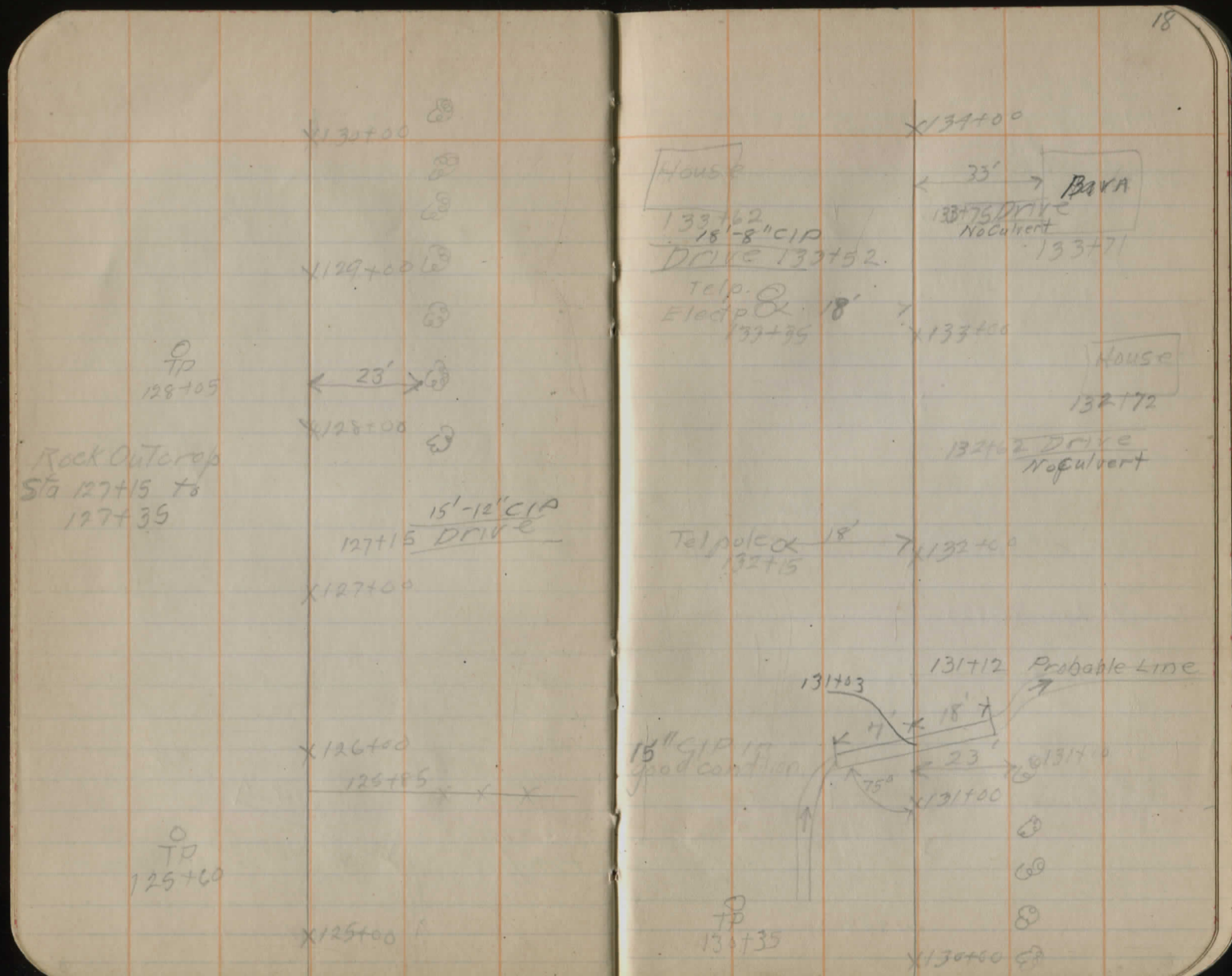
X109+00

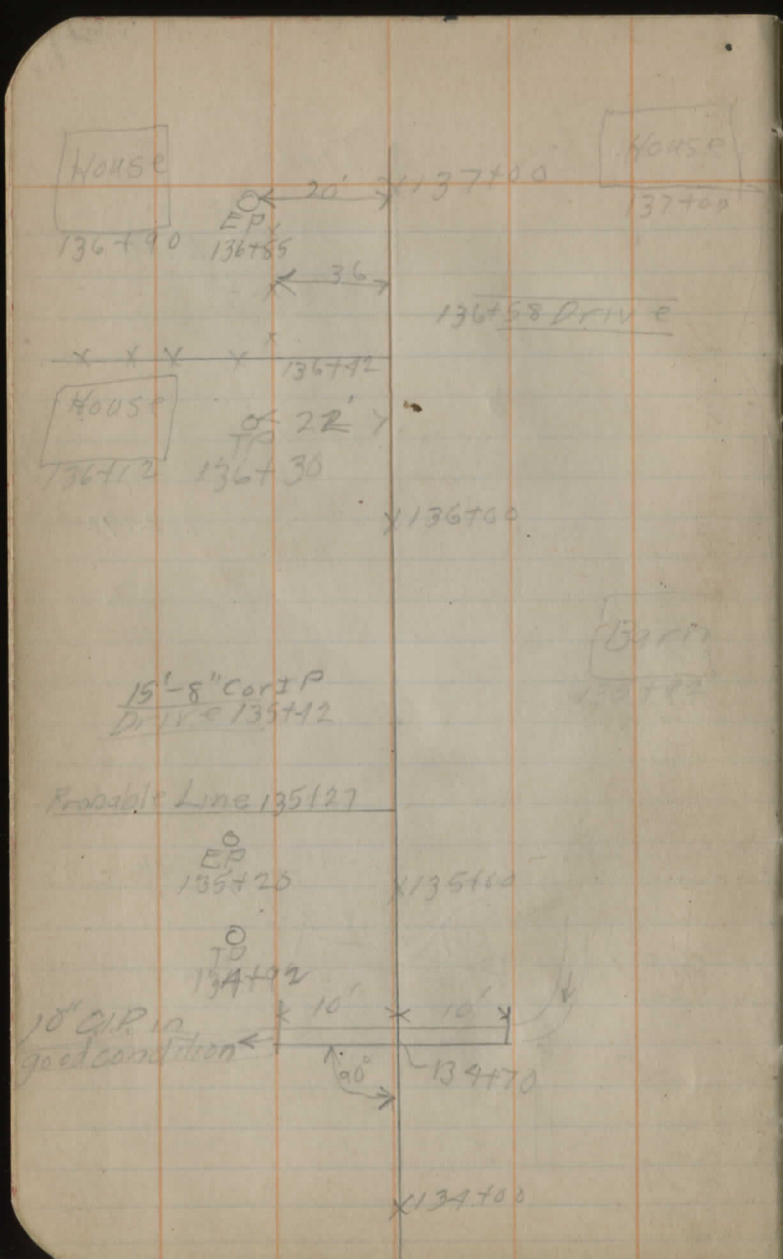

SWX Foundation
House
SEX Foundation
Spike N Side
6" cherry
5'/50
9'/6°
93.5°
179-18
358-35
114+69.56
IP
PI
Δ 8°/13'/42
X114+00
℄ TP 17'
113+50
X113+00

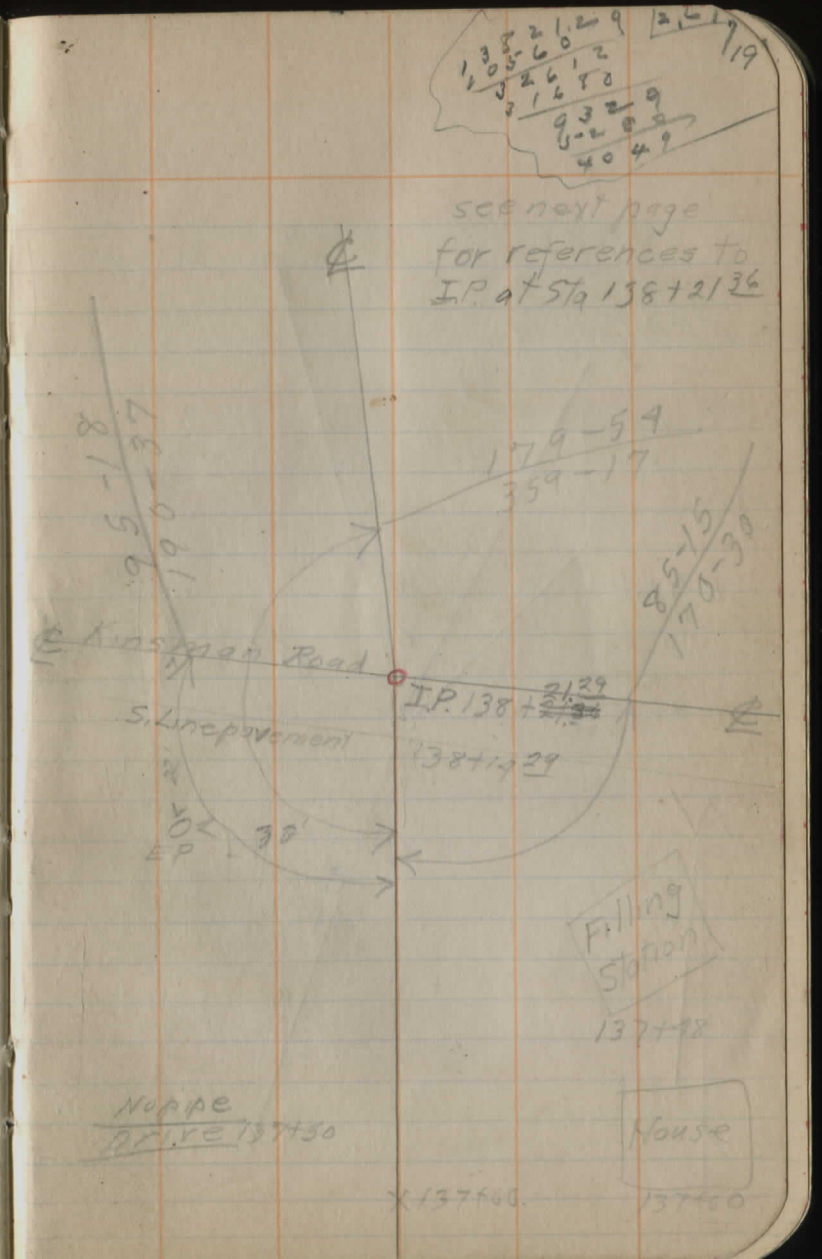

X118+00
Barn
117+72
℄ 25
117+32
N culvert
117+30
Drive
X117+00
116+81
Landowner on South says his N— is about here
House
116+80
℄ 17'
TP
116+10
X116+00
20'-0" rp
Drive 115+79
House
115+28
N 30° E
X115+00
IP 114+69.63

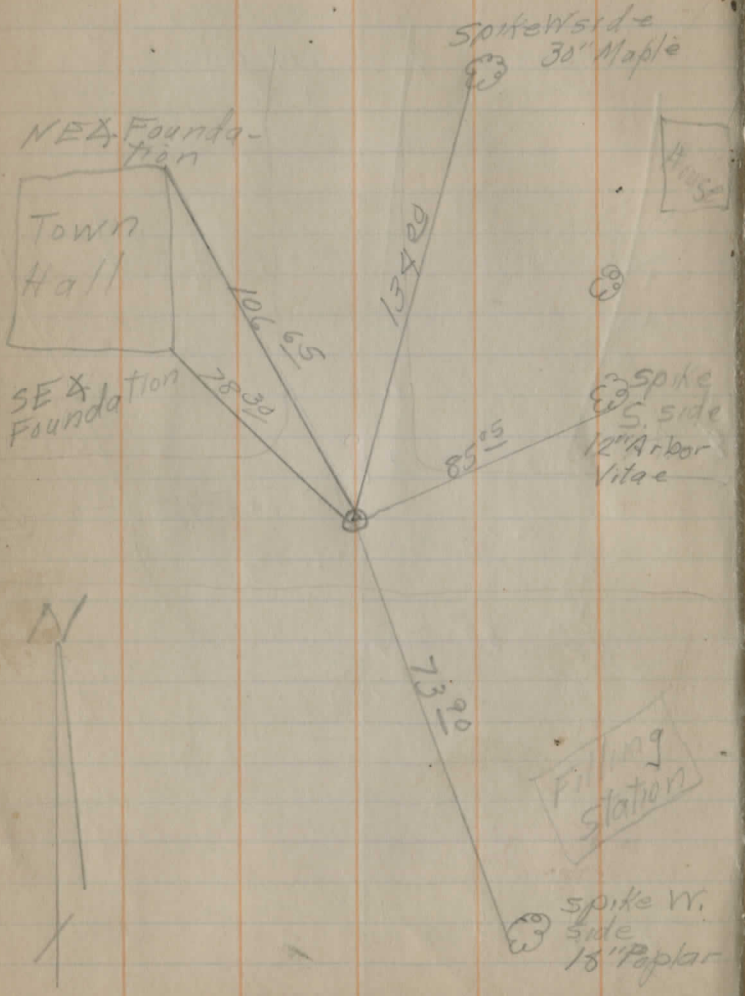

Spike SE side 15" Maple
87 05
Tacked hub
A
30.00
121+99.93
I.P.
25.63
P.O.T.
Spike NE side 8" Maple
121+70
121+00
TP 120+90
Orchard
20'
120+60
120+00
119+50
TP 118+82
118+00


125+00
House
124+68
Barn
124+34
8"-10" Cor I.P.
124+12
Drive
124+00
32'
123+80
TP 123+45
123+00
12'
8'
45°
10" corrugated I.P. in good condition
122+53
122+00


130+00
House
133+62
18"-8" CIP
Drive 133+52.
Telp. & Elec p
137+35
18'
133+00
33'
Barn
133+75 Drive
No Culvert
133+71
House
132+72
132+62 Drive
No culvert
Telpole
132+15
18'
132+00
131+12 Probable Line
131+03
18'
4'
4'
15" CIP
Prod. Station
23'
75°
131+00
TP
131+35
130+00
129+00
TP
128+05
23'
128+00
Rock Outcrop
Sta 127+15 to
127+35
15'-12" CIP
127+15 Drive
127+00
126+00
126+55
TP
125+60
125+00


House
136+90
20'
EP
136+55
137+00
House
137+00
36'
136+58 Drive
136+42
House
136+12
22'
TP
136+30
136+00
15'-8" Cor IP
Drive 135+42
Probable Line 135+27
EP
135+25
135+00
TP
134+92
10'
10'
18" C.M.P. in good condition
90°
134+70
134+00


see next page for references to I.P. at Sta 138+21.36
℄
℄ Kingman Road
I.P. 138+21.29
S. Line pavement
138+29
EP
30'
Filling Station
137+98
Hoppe Drive 137+50
137+00
House
137+00


Spike W side
30" Maple
NE Foundation
Town Hall
106 65
137 00
SE Foundation
78 30
85 15
Spike S. side
12" Arbor Vitae
73 20
Filling Station
Spike W. side
18" Poplar

Levels and Cross Sections on Chillicothe Rd. from Russell's Bainbridge Twp. Line North

Sta	BS	HI	FS	Elev.	
BM	2.11	0239		1200.28	1200.24
28+00 Bobcay			3.8	98.59	
0+00			4.2	98.19	
0+40			6.5	95.89	
BM.			7.36	1195.03	
1+00			7.5	94.89	
2+0			7.9	94.49	
Flow E. culvert			9.70	92.69	
Flow W.			9.65	92.74	
T.P.	3.95	98.41	7.93	190.46	
3+0			4.5	93.91	
4+0			4.0	94.41	

Richey Rand

East & West

Note:-
cross sections + = East or Right
- = West or Left

Bainbdge Twp

+.8 +0.0 -0.6 -0.7 -0.1 +0.4

-0.5 +0.2 -1.5 -0.5 +0.0 +0.0

-0.4 +0.4 -0.5 -1.3 -0.5 -0.5 -1.3 -1.0 +0.2 +1.7

+2.8 +3.0

-1.0 -0.8 -0.7 -1.0 -0.7 -0.8 -1.2 -0.6 -0.6 +0.6 +1.2

+1.4

-1.2 -1.2 -1.3 -1.9 -0.4 -0.6 -1.8 -2.2 -2.2

+2.1 +1.3 +0.6 -0.9 -0.6 -0.7 -1.2 -0.3 -0.1 +1.5

+2.2 +1.9 +0.9 -0.2 -0.7 -0.6 -0.9 +0.0 +1.2 +1.2

5+0		98.41	4.9	93.51
6+0			5.1	93.31
7+0			4.1	94.31
T.P.	6.34	99.93	4.82	93.59
8+0			5.2	94.73
9+0			4.7	95.23
10+0			4.9	95.53
11+0			4.01	95.93
BM			3.94	95.99 ✓
12+0			6.7	93.23
13+0			9.4	90.53
TP	5.56	93.76	11.73	88.20
14+0			5.02	88.76
15+0			6.1	87.66

East & West

+30 +19 -10 -17 -30

-0.4 -1.0 -1.1 -0.6 -1.2

+30 +18 +12 +10 +7 -6 -8 -12 -21

+2.0 +1.4 -0.5 -1.1 -0.4 -0.4 -0.7 +0.7 +1.0 +0.9

+30 +10 -17 +12 +9 -7 -10 -18 -20

+1.6 +0.6 -0.6 -1.4 -0.5 -0.8 +0.2 +0.5 +0.4

+30 +14 +12 +13 -6 -8 -19 -30

+0.4 -0.5 -1.1 -0.2 -0.7 -0.4 -0.8 -0.5

+30 +22 +13 +11 +8 -7 -8 -18 -30

+0.7 +0.2 -0.7 -1.1 -0.4 -1.1 -0.5 -0.4 -0.4

+30 +15 +11 +7 -8 -22 -30

+1.4 +0.1 -1.0 -0.1 -1.1 -0.6 -0.8

+30 +13 +8 -9 -23

+1.8 +0.4 -0.1 +0.0 -0.1

2" X cut on SE A stone top of well 23 inset

+30 +21 +17 +10 +9 +5 -9 -15 -26 -30

+3.1 +2.6 +2.4 -0.2 -0.9 -0.3 -0.6 +0.4 +1.8 +1.3

+30 +21 +15 +10 +8 +6 -9 -13 -18 -30

+3.3 +3.0 +2.5 -0.6 -1.4 -0.8 -0.5 -0.5 +1.2 +1.8

+30 +21 +15 +11 +7 +4 -11 -12 -15 -30

+2.0 +1.8 +1.1 +0.1 -0.0 -0.5 -0.4 -1.0 -0.1 +0.5

+30 +18 +8 +6 +3 -10 -15 -25 -30

-0.2 -0.4 -0.4 -1.0 -0.1 -0.4 -0.5 -1.2 -2.2

		9376		
Flow E			8.50	1185.26
Flow W			8.95	84.81
16+0			6.8	86.96
17+0			6.2	87.56
18+0			6.3	87.46
BM.	496	9497	3.75	19001
19+0			8.8	8617
Flow E			11.15	8352
Top headwall E.			8.30	86.67
Flow W			11.95	8302
Top headwall W.			7.65	87.32
20+0			8.7	8627
21+0			8.1	8687
22+0			5.5	8797
BM.			0.24	94.73
23+0			3.5	9147

East & West

Culvert 15+45

	9.2	10.2	W of &					
+30	+20	+10	+5	-6	-14	-18	-30	
53	51	65	77	64	71	71	71	
+1.5	+1.1	+0.3	-0.9	+0.2	-0.9	-0.3	-0.3	
+30	+18	+9	+4	-6	-15	-19	-30	
35	38	49	69	59	67	58	56	
+2.7	+2.9	+1.3	-0.7	+0.3	-0.5	+0.4	+0.6	
+30	+10	+6	-6	-15	-18	-30		
32	42	61	59	69	59	57		
+3.1	+2.1	+0.2	+0.4	-0.6	+0.9	+0.6		

Top Iron pipe 30' E of & Sta 18+50

+30	+11	+7	+3	-5	-10	-14	-20	-30
8.9	9.2	10.1	9.2	8.6	9.3	10.3	9.8	9.9
+0.4	-0.9	-1.3	-0.4	+0.2	-0.5	-1.5	-1.0	-1.1

Culvert 19+60

	5.0	12.0	W of &				
+30	+10	+7	+2	-5	-14	-30	
8.8	8.9	10.2	8.9	8.3	10.0	10.0	
-0.1	-0.2	-1.5	-0.2	+0.9	-1.3	-1.3	
+30	+13	+6	-5	-13	-15	-21	-30
4.9	6.4	9.0	8.0	8.8	7.7	6.2	6.1
+3.2	+1.7	-0.9	+0.1	-0.7	+0.4	+1.9	+2.0
+30	+13	+8	+4	-2	-15	-30	
1.7	3.5	6.2	5.6	6.2	3.6	7.0	
+3.8	+2.0	-0.7	-0.1	-0.7	+1.9	+1.5	

Top NW△ stone step NW△ church 45' E of & Sta 22+35

+30	+9	+7	-5	-14	-20	-30
1.6	2.9	4.3	3.3	4.6	3.6	3.6
+1.9	+0.6	-0.8	+0.2	-1.1	-0.1	-0.1

24+0		94.97	3.00	91.97
T.P.	5.09	95.68	4.38	90.59
Flow W.			8.12	87.56
Top headwall E			3.74	91.94
Flow E			6.83	88.85
℄ X road 24+45			4.20	91.48
Flow W.			7.83	87.85
Top headwall W			5.30	90.38
Flow E			6.16	89.52
Top headwall E			3.46	92.22
			0.0	95.68
25+0			4.0	91.68
26+0			4.4	91.28
27+0			5.3	90.38
T.P.	2.01	90.91	6.78	88.90
28+0			3.4	87.51
29+0			5.9	85.01
BM.			5.06	1185.85 V

East ℄ West

+30 +19 -14 -22 -30
1.5 3.1 4.1 6.3 7.8

+1.5 -0.1 -1.1 -3.3 -1.8

Top NE X concrete headwall W end culvert 20' W of ℄ Sta 24+28
culvert Sta 24+28

+100 +30 -30 -50 -100
1.5 3.5 5.5 7.0 9.7

+0.7 -1.3
culvert Sta 24+60

ground at house 50' E of Sta 24
house
+80 +30 +18 +15 -15 -19
0.4 2.2 4.2 5.1 5.9 4.9

+3.6 +1.8 -0.2 -1.1 -1.9 -0.9

+30 +14 -10 -28
3.9 4.5 5.3 5.2

+0.5 -0.1 -0.9 -0.8

+30 +16 +13 +9 -7 -11 -20
3.2 5.5 7.3 6.0 6.5 5.7 5.8

+2.1 -0.2 -2.0 -0.7 -1.2 -0.4 -0.5

+30 +21 +15 +13 +10 -7 -8 -12 -19
0.0 1.8 3.6 4.6 3.8 4.2 5.0 2.9 2.2

+3.4 +1.6 -0.2 -1.2 -0.4 -0.8 -1.6 +1.0 +1.2

+30 +16 +13 +11 -7 -10 -19
3.9 5.4 7.3 6.3 6.9 5.1 4.9

+2.0 +0.5 -1.9 -0.4 -1.0 +0.8 +1.0

4" X cut on 24" boulder 33' E of ℄ Sta 29+62
17' N of SW X school yard

30+0 Ground at school		90.91	7.2	1183.71
			4.5	86.41
BM			3.00	1187.91
31+0			8.6	82.31

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BM	1.67	87.52		1185.85
32+0			6.3	81.22
33+0			7.6	79.92
34+0			8.4	79.12
TP	2.97	81.33	8.66	78.86
35+0			2.9	78.43
36+0			3.4	77.93
37+0			3.6	77.73
38+0			4.2	77.13
39+0			4.2	77.13

East & west

+30 +16 +14 +11 -6 -19
59 76 55 78 89 70
+1.3 -0.4 -1.3 -0.6 -1.1 +0.2

5# X cut in NW A stone step school house
90' E of ℄ Sta 30+38
+30 +25 +15 +8 -7 -19
79 84 97 89 97 88
+1.3 -0.2 -1.1 -0.3 -1.1 -0.2

4# cut in boulder 33' E of ℄ Sta 29+62
+30 +16 +13 +3 -7 -9 -19
57 66 76 55 73 66 63
+0.6 -0.3 -1.3 +0.8 -1.0 -0.3 +0.0
+30 +16 +13 +4 -8 -10 -19
68 75 89 77 84 76 73
+0.8 +0.1 -1.3 +0.5 -0.8 +0.0 +0.3
+30 +16 +13 +8 -7 -10 -19
77 66 94 85 89 83 83
+0.7 -0.1 -1.0 -0.1 -0.5 -0.1 +0.1

+30 +16 +12 +9 -12 -19
27 31 37 37 31 26
+0.2 -0.3 -0.8 -0.8 -0.2 +0.3
+30 +16 +14 +9 -6 -9 -11 -19
36 35 45 37 37 43 37 38
-0.1 -0.1 -1.1 -0.3 -0.3 -0.9 -0.3 -0.4
+30 +15 +13 +7 -7 -9 -11 -19
42 40 48 38 42 49 42 42
-0.6 -0.4 -1.2 -0.2 -0.4 -1.3 -0.6 -0.6
+30 +15 +12 +10 -8 -10 -12 -19
45 43 53 47 47 52 47 44
-0.3 -0.3 -1.1 -0.5 -0.5 -1.0 -0.5 -0.2
+30 +13 +11 +9 -8 -11 -12 -19
52 49 58 51 57 55 52 45
-1.0 -0.7 -1.6 -0.9 -0.9 -1.3 -1.0 +0.2

40+0		81.33	4.6	1176.73
Flow E			7.60	73.73
Flow W			8.02	73.31
BM			3.28	1178.05
41+0			4.6	76.73
42+0			5.3	76.03
43+0			4.8	76.53
TP	665	85.76	2.82	79.11
Flow E			11.45	74.31
Flow W			11.58	74.18
Headwall W.			6.65	79.11
44+0			8.5	77.26
45+0			8.2	77.56
46+0			7.2	78.56
47+0			6.4	79.36
48+0			4.8	80.96

East & West

-30 +31 +8 -9 -13 -23
59 62 40 52 60 60
-0.8 -1.6 -0.3 -0.6 -1.8 -1.4

culvert Sta 40+15
30 30 15°
7.7 8.7 W of ℄

6" [illegible] root 18" Maple 34' E of ℄
Sta 40+30
+30 +12 +10 -12 -15 -20
50 54 61 63 56 51
-0.4 -0.8 -1.5 -1.8 -1.0 -0.5
+30 +15 +11 -13 -15 -19
50 54 69 64 59 57
-0.3 -0.1 -1.6 -1.1 -0.6 +0.2
+30 +12 +11 -10 -13 -19
58 59 66 65 57 54
-1.0 -1.1 -1.8 -1.7 -0.9 -0.6

Top NW ℄ E. headwall culvert 43+47
30 30
7.3 11.2 11.8 W of ℄

+30 +15 +13 -9 -12 -30
72 80 74 103 88 91
-0.7 -0.1 -0.9 -1.8 -0.3 -0.6
+30 +16 +14 -8 -10 -30
89 80 90 93 82 78
-0.2 +0.2 -0.8 -1.1 +0.0 +0.4
+30 +16 +14 -6 -9 -30
[illegible] 79 [illegible] 83 78 69
-0.3 -0.6 -1.2 -1.1 -0.6 +0.3
+30 +16 +14 +5 -5 -8 -30
60 65 73 61 72 63 54
+0.4 -0.1 -0.9 +0.3 -0.8 +0.1 +1.0
+30 +18 +16 +14 +7 -4 -8 -22 -30
49 49 58 53 42 62 45 35 32
+0.4 -0.1 -1.0 -0.5 +0.6 -1.4 +0.3 +1.3 +1.6

8576

BM	6.28	89.34	2.70	118306
49+0			6.7	82.64.
50+0			5.1	84.24
TP	8.89	98.89	.014	89.20
51+0			10.4	87.69
52+0			7.1	90.99
53+0			4.6	93.49
TP	7.48	120449	1.08	97.01
Top Slab E.			6.6	97.89
Top slab W.			6.6	97.89
Flow ditch W			8.6	95.89
Ground at house			4.0	00.49
54+0			6.3	98.19
55+0			5.7	98.79
56+0			4.3	120019
57+0			3.2	01.29

East & West

7" Spike NE root 18" Maple 24' W of ℄

Sta 47+81

+30 +12 +5 +7 -5 -7 -20
55 69 71 63 79 66 41

+1.2 +0.3 -0.1 +0.9 -1.2 +0.1 +2.6

+30 +20 +16 +6 -4 -8 +12 -16 -28
73 51 60 43 57 43 31 1.9 0.8

+2.8 +2.0 +0.1 +0.8 -0.6 +0.8 +2.0 +3.2 +4.3

+30 +23 +5 +4 -7 -17 -30
88 94 113 99 119 73 68

+1.6 +1.0 -0.9 +0.5 -1.5 +3.1 +3.6

+30 +15 +9 -11 -19 -23 -30
76 76 71 82 60 45 43

-0.5 -0.5 +0.0 -1.1 +1.1 +2.6 +2.6

+30 +15 +13 +10 +4 -12 -19 -30 -40
37 35 52 43 73 49 31 21 0.0

+0.9 +1.1 -0.6 +0.3 +0.4 -0.3 +1.5 +2.5 +4.6

Culvert Sta 53+70
ground at same

House 80' W of ℄ Sta 53+0

+30 +13 -3 -20 -30
61 66 59 58 57

-0.4 -0.3 +0.4 +0.5 +0.6

+30 +12 +10 -13 -16 -30
58 47 65 68 54 33

+0.4 +1.0 -0.8 -1.1 +0.3 +2.4

+30 +13 +11 -10 -13 -17 -20 -30
46 42 55 53 60 43 37 28

-0.3 +0.1 -1.2 -1.0 -1.7 +0.0 +0.6 +1.5

+30 +12 +10 -10 -13 -15 -30
47 39 44 40 48 29 21

-1.5 -0.7 -1.2 -0.8 -1.6 +0.3 +1.1

		1204.49		
T.P.	6.93	09.66	1.26	1203.23
58+0			7.9	02.26
BM			3.90	05.76
59+0			5.7	03.96
60+0			4.7	04.96
61+0			4.3	05.36
62+0			4.5	05.16
63+0			6.1	03.56
64+0			8.0	01.66
65+0			10.05	99.66
TP	2.61	01.80	10.47	1199.19
66+0			4.1	97.70
67+0			5.4	96.40

East & west

+30 +12 +10 -12 -14 -20 -25 -30
80 83 78 63 60 53
-0.6 -0.6 -1.3 -0.8 -0.4 +1.1 +1.4 +2.1

5#

+30 +11 +9 -8 -12 -19 -30
+0.1 -0.3 -1.3 -0.9 -1.5 -0.1 +0.6

+30 +12 +10 +8 -8 -11 -14 -25 -30
+0.1 -0.3 -1.3 -0.5 -0.5 -1.3 -0.3 +0.7 +1.0

+30 +14 +12 +9 -7 -10 -12 -20 -30
+0.5 +0.0 -0.9 -0.4 -0.4 -0.7 +0.0 +0.5 +0.8

+30 +15 +11 +8 -11 -20 -30
+0.7 +0.4 -0.9 -1.0 -1.4 -0.3 -0.3

+30 +15 +10 +7 -9 -11 -15 -19 -30
+1.3 +0.7 -1.0 -0.3 -0.9 -1.4 -0.4 +0.4 +0.4

+30 +22 +12 +9 -8 -12 -18 -30
+2.0 +1.9 -1.2 -0.6 -0.7 -1.5 +1.0 +1.0

+30 +23 +12 +8 -7 -11 -15 -18 -30
+2.3 +2.0 -1.2 -0.6 -0.8 -1.6 +0.9 +1.4 +1.5

+30 +22 +10 +7 -11 -16 -25
+2.5 +2.1 -1.4 -0.7 -1.2 +0.4 +1.6

+30 +12 +10 -10 -17 -20
+0.6 -0.2 -1.2 -1.0 -0.4 -0.2

68+0		01.80	6.9	1194.90
69+0			8.7	93.10
BM	2.15	96.06	7.89	1193.91
70+0			6.0	90.06
71+0			10.6	85.46
72+0			11.9	84.16
Flow E			4.00	92.06
Flow W			4.73	91.63
69+70 $\leftarrow$			4.2	91.86
T.P.	1.46	85.44	1.208	83.98
Flow E			4.78	80.66
Flow W			5.35	80.09
$\mathbb{E}$ X road			3.4	81.99
73+0			2.7	82.74
74+0			3.9	81.54
75+0			4.5	80.94

East $\mathbb{E}$ West

+30 +12 +10 +7 -10 -12 -30
6.8 7.1 8.2 7.1 7.9 7.1 7.1

+0.1 -0.2 -1.3 -0.7 -1.0 -0.2 -0.2

+30 +12 +7 -10 -14 -20
8.2 8.3 8.1 8.3 8.3 7.9

+0.5 +0.4 -0.4 -0.6 +0.4 +0.8

9th BM Spike SW root 24" Maple 30' E of $\mathbb{E}$
Sta 69+67

+20 +30 +17 +12 +6 +4 -10 -13 -15 -30
0.3 2.9 4.3 9.2 2.7 6.0 6.7 8.0 6.2 4.3

+5.7 +3.1 +1.7 +1.8 -0.7 +0.0 -0.7 -2.0 -0.2 +1.7

+30 +16 +8 -12 -18 -23 -30
7.5 7.3 11.0 11.4 10.0 8.0 7.7

+3.1 +3.3 -0.4 -0.8 +0.6 +2.6 +2.9

-30 +16 +7 -13 -16 -20 -30
11.0 11.0 12.6 12.9 12.5 11.5 11.5

+0.9 +0.9 -0.7 -1.0 -0.6 +0.4 +0.4

Corrugated IP Sta 69+33

$\mathbb{E}$ Y Sect same as Sta 69

Tp Point SW A largest rock E End culvert 73+06

Culvert Sta 73+06

50 100 150 W of $\mathbb{E}$
7.2 7.9 8.0

+50 +100 +50 +30 -50 -100 -150
1.1 1.8 2.9 3.4 5.6 6.6 6.3

E & W of $\mathbb{E}$

+2.3 +1.6 +0.6 +0.0 -2.2 -3.2 -3.5

-30 +14 +10 +5 -10 -13 -15 -20 -30
3.0 3.0 3.1 2.8 2.9 3.1 3.2 3.4 3.6

-0.3 -0.3 -1.2 -0.1 -0.2 -2.8 -0.5 -0.7 -0.8

+30 +18 +16 +11 -10 -13 -18 -30
9.2 3.5 3.0 4.2 4.6 5.1 5.3 5.6

+0.7 +0.9 -1.1 -0.3 -0.7 -1.2 -1.4 -1.7

+30 +21 +16 +11 +6 -8 -11 -14 +20
3.0 3.4 3.9 6.4 5.0 5.1 5.8 4.6 4.8

+1.5 +1.1 +0.6 -1.9 -0.5 +0.6 -1.3 -0.1 -0.3

T.P.		85.44	5.0	1180.04

7/9/27

T.P.	3.51	83.55		1180.04
76+0			5.0	78.55
77+0			7.5	76.05
78+0			10.0	73.55
79+0			12.3	71.25
T.P.	4.35	74.99	12.91	70.64
80+0			5.9	69.09
B.M.			2.61	172.38
81+0			7.1	67.89
B.M.			4.03	170.96
82+0			3.9	67.09
83+0			7.6	67.39

East & West

Top boulder 8' E of ℄ Sta 75+60

+30 +17 +10 +6 -9 -12 -15 -30
28 58 69 56 36 69 45 41
+2.2 +1.7 -1.9 -0.5 -0.6 -1.3 +0.5 +0.9

+30 +16 +10 +8 -11 -19 -21 -30
26 56 91 82 84 75 70 68
+2.9 +1.9 -1.6 -0.7 -0.9 +0.0 +0.1 +0.7

+30 +12 +9 +7 -11 -16 -20 -30
28 94 111 102 105 101 95 98
+2.2 +0.6 -1.1 -0.2 -0.5 -0.1 +0.5 +0.2

+30 +12 +5 +4 -12 -16 -20 -30
90 109 135 126 132 121 118 119
+3.3 +1.4 -1.2 -0.2 -0.9 +0.2 +0.5 +0.9

+30 +19 +14 +7 -8 -12 -16 -20 -30
15 21 31 67 62 68 53 46 45
+1.4 +3.8 +2.8 -0.6 -0.3 -0.9 +0.6 +1.3 +1.4

10# X cut top boulder 26 E of ℄ Sta 70+71

+30 +19 +9 -12 -15 -26 -30
39 45 76 80 70 57 60
+3.2 +2.6 -0.5 -0.9 +0.1 +1.4 +1.1

11# spike S. side 2nd post fence W

Sta 70+77

+30 +12 +7 -14 -26
84 84 80 86 91
-0.5 -0.5 -0.1 -0.7 -1.2

+30 +19 +8 -11 -24
110 93 78 84 98
-3.4 -1.7 -0.2 -0.8 -2.2

Flow W		79.99	12.12	116287
Tophead wall			7.32	67.67
Flow E			12.40	62.59
T.P.	11.94	79.53	7.40	67.59
84+0			10.2	69.33
85+0			6.8	72.73
85+50			4.1	75.43
T.P.	10.85	88.92	1.96	78.07
86+0			10.1	78.82
86+35			8.2	80.72
86+50			8.5	80.42
87+0			11.3	77.62
B.M.			4.73	1184.19
T.P.	0.55	78.10	11.37	77.55
88+0			8.4	69.70
89+0			12.9	65.20
T.P.	1.35	66.62	12.83	65.27

East ℄ West

culvert Sta 87+80

50 ft
12⁵ 13.1 E of ℄

Top N.E.A.E. near 12"

+30 +23 +9 -11 -25
137 137 106 120
-3.5 -3.7 -0.3 -0.4 -1.8

+30 +9 -10 -14 -30
97 71 77 67 50
-2.5 -0.3 -0.9 +0.1 +1.8

+65 +30 +10 +9 +7 -10 -14 -19
47 41 31 46 41 36 42 0.5
-0.6 +0.0 +0.2 -0.5 +0.0 +0.5 -0.1 +3.6

+30 +11 +7 +1 -16 -17 -30 -40 -50
107 102 106 95 100 84 5.2 1.3 0.5
-0.6 -0.1 -0.4 +0.6 +0.1 +1.7 +4.9 +8.8 +9.6

+30 +13 +6 -12 -13 -42 -76
72 76 83 90 82 0.7 0.3
+4.3 +0.9 +0.2 -0.5 +0.3 +7.8 +8.2

+30 +7 +4 -12 -36 -43
66 112 120 121 43 45
+4.7 +0.1 -0.7 -0.8 +7.0 +6.8

12" 2 spikes E root 24" Maple 35' W of ℄ Sta 87+00

+30 +25 +8 -10 -11 -17 -21 -30
39 19 86 88 91 52 56 57
+4.5 +4.5 -0.2 -0.9 -0.7 +3.2 +2.8 +2.7

+30 +22 +12 +10 +5 -9 -11 -15 -35
103 116 129 140 131 139 140 117 115
+2.6 +1.3 +0.5 -1.1 -0.2 -0.5 -1.1 +1.2 +1.1

90+0		6662	-7.9	1161.72
91+0			9.1	57.52
92+0			12.2	54.92
TP	0.34	54.29	12.67	53.95
93+0			3.2	51.09
94+0			5.8	48.49
95+0			7.9	46.39
BM	3.00	50.52	6.77	47.52
96+0			5.7	44.82
97+0			7.3	43.22
BM			3.4	147.06
98+0			8.2	42.32
TP	2.68	44.30	8.90	41.62
99+0			3.1	41.20
100+0			3.8	40.50

℄

East — West

+1.9 +0.4 -1.1 -0.9 -0.5 -1.5 +1.2 +1.3 +0.9

+2.6 +1.6 -0.4 -0.2 -0.4 -1.3 +1.4 +1.3

+2.8 +1.7 -1.3 -0.6 -0.8 -1.7 +1.6 +1.4

+2.6 +2.0 -1.0 -0.3 -0.4 -1.2 +2.0 +1.6

+1.7 +1.0 -1.3 -0.5 -1.0 +0.9 +0.6

+1.3 +0.9 -0.9 -0.3 -0.5 +0.9 +0.6

13# + cut in boulder 30 E of ℄ 50 95+30

+0.2 +0.6 -1.3 -0.5 -0.4 +0.4 -0.1 -0.5

+0.7 +0.3 -1.0 -0.2 -0.4 +0.4 +0.0

14# Pipe SW root at middle 100 E of ℄ 5 to 97+10

+1.2 -0.2 -1.6 -0.4 -0.7 -0.3 -1.0

+0.3 -0.2 -1.1 -0.6 -0.1 +0.3 +1.7

-0.9 -0.3 -1.7 -0.6 -0.3 -0.8 -1.2

101+0		44.30	47	1139.60
Flow W			7.18	37.12
Head rail W			4.30	40.00
Flow E			7.05	37.25
Head rail E			3.15	40.85
102+0			4.8	39.50
103+0			3.9	40.40
TP	5.56	49.38	0.98	43.82
104+0			6.9	42.48
BM			0.71	48.67
105+0			4.7	44.68
106+0			4.3	45.08
107+0			4.2	45.18
108+0			4.2	45.18
109+0			3.6	45.78
TP	6.37	53.16	2.59	46.79

East & west

+30 +12 +10 +5 -5 -10 -13 -20 -30
56 46 59 76 76 54 46 55 61

-0.9 +0.1 -1.2 +0.1 +0.1 -0.7 +0.1 -0.8 -1.9

culvert 101+93

50 42 42
7.28 8.2 8.9 W of E

+30 +12 +9 -9 -12 -20
58 50 54 34 53 58

-1.0 -0.2 -0.6 -0.6 -0.5 -1.0

+30 +13 +9 +5 -8 -14 -20 -30
47 36 43 48 41 30 25 25

+2.2 +1.3 -0.8 -0.1 -0.7 +0.9 +1.4 +1.4

+30 +17 +14 +7 +3 -11 -13 -18
59 42 48 60 71 76 83 53

+3.0 +2.7 +2.1 -1.1 -0.2 -0.7 -1.4 +1.6

15th

+30 +30 +17 +11 +7 +1 -19 -23 -30
53 37 54 43 54 65 50 45

+3.1 +1.7 +1.0 -0.7 +0.1 -0.5 -1.8 -0.3 +0.2

+30 +13 +10 +7 -11 -19 -17 -22
56 42 54 47 50 58 50 51

+1.1 +0.1 -1.1 -0.4 -0.7 -1.5 -0.7 -0.8

+30 +12 +10 +7 -11 -14 -17
53 43 51 46 46 57 47

+0.9 -0.1 -0.9 -0.3 -0.4 -1.5 -0.5

+30 +13 +11 +7 -10 -12 -16 -30
53 40 51 43 41 51 41 40

+0.6 +0.2 -0.8 -0.1 -0.1 -0.9 +0.1 +0.2

+30 +12 +11 +8 -10 -13 -22
56 36 47 46 42 47 37

+0.0 +0.0 -1.1 -0.4 -0.6 -1.1 -0.1

		53.16	4.7	48.46
110+0			6.8	46.36
111+0			6.0	47.16
112+0			5.4	47.76
			4.1	49.06
113+0			5.0	48.16
114+0			5.1	48.06
115+0			5.7	47.46
			3.3	49.86
BM	310	51.46	3.80	48.36
116+0			5.1	46.36
117+0			6.5	44.96
118+0			8.9	42.56
TP	640	46.29	11.57	39.89
119+0			6.5	39.79

℄

East West

front of house 100 W of ℄ 109+19

+30 +19 +11 +9 -10 -30
56 69 80 72 77 65

+1.2 -0.1 -1.2 -0.4 -1.1 +0.3

+30 +16 +12 +9 -8 -13 -30
70 58 70 58 57

+0.7 +0.8 -1.0 -0.4 -1.0 +0.2 +1.3

+30 +13 +12 -7 -15 -30
47 49 60 69 51 42

+0.7 +0.5 -0.6 +0.0 +0.3 +1.2

front of house 100 E of ℄ 112+50

+30 +15 +9 -9 -20 -30
47 52 59 60 44 41

+0.3 -0.2 -0.9 -1.0 +0.6 +0.9

+30 +19 +11 -8 -10 -19 -30
50 55 59 55 63 45 37

-0.1 -0.5 -0.8 -0.4 -1.2 +0.6 +0.7

+30 +13 +9 -9 -11 -20
58 60 65 65 70 52

-0.1 -0.3 -0.8 -0.8 -1.3 +0.5

front of house 80 W of ℄ 115+28

16# X cut on boulder 25 W of ℄
115+85

+30 +10 +6 -12 -19 -30
46 52 56 58 61 46

+0.4 -0.1 -0.5 -0.7 -1.0 +0.5

+30 +10 +6 -13 -26
78 50 71 75 53

+1.7 +1.5 -0.6 -1.0 +1.2

+30 +17 +8 +1 -10 -13 -21
66 70 102 92 94 106 69

+2.3 +1.9 -1.3 -0.3 -0.5 -1.7 +2.0

+30 +18 +9 +6 -10 -17 -24
32 32 80 83 49 41

+3.3 +3.3 -1.5 -0.6 -1.8 +2.3 +2.4

120+0		46.29	10.1	113619
T.P.	691	47.10	11.10	35.19
BM			183	140.27
121+0			7.4	34.70
122+0			9.3	32.80
123+0			10.9	31.20
BM	0.66	32.12	10.64	31.46
124+0			6.2	25.92
125+0			11.5	20.62
Flow E			19.5	30.17
Flow W			15.4	30.58
T.P.	1.92	21.81	12.23	19.89
BM			1.75	20.06
126+0			5.9	15.91

℄

East West

+30 +20 +16 -9 -15 -30

52 53 112 114 91 91

+1.9 +1.8 -1.1 -1.3 +1.0 +1.0

17# spikes W root 38" Apple 30' E of ℄

Sta 120+60

+30 +22 +12 +10 -9 -16 -26 -30

38 46 68 82 92 77 70 65

+1.6 +0.8 -1.4 -0.7 -1.6 -0.3 +0.9 +0.9

+30 +13 +10 +8 -7 -10 -15 -20 -30

110 96 104 97 100 107 90 82 79

-1.7 -0.3 -1.1 -0.4 -0.7 -1.4 +0.3 +1.1 +1.9

+30 +14 +11 +8 -10 -13 -24 -30

107 103 120 119 116 126 78 71

-0.8 +0.2 -1.1 -0.5 -0.7 -1.7 +3.1 +3.8

18# spikes W root 24" Maple 30' E of ℄

Sta 123+80

+30 +15 +12 +7 -10 -13 -23 -30

27 25 24 61 66 73 21 20

+3.8 +3.7 -0.2 +0.1 -0.4 -1.9 +4.1 +4.2

+30 +16 +11 +7 -10 -15 -23

68 92 126 121 123 137 93

+4.7 +2.3 -1.1 -0.6 -0.8 -1.8 +2.2

culvert Sta 127+53

59 100 E of ℄

31 44

19# spike W side 12" Maple 25' E of ℄

Sta 125+65

+30 +18 +14 +11 -9 -11 -20

53 50 72 65 63 72 21

+0.6 +0.9 -1.3 -0.6 -0.4 -1.3 +3.8

127+0		2181	106	11.21
BM	504	1392	1293	108.88
128+0			8,0	05.92
129+0			11,9	02.03
TP	1.60	03.01	12.51	01.41
130+0			3.7	99.31
131+0			6.0	97.01
Flow W			7.30	95.71
Flow E			8.56	94.45
132+0			7.5	95.51
BM	2.09	98.58	6.52	109.49
			1.8	96.78
133+0			4.1	94.78
134+0			4.5	94.08
Flow E			7.51	91.07
Flow W			7.66	90.92

East & West

+30 +16 +13 +10 -10 -12 -28 -30
9.8 10.1 11.0 10.5 10.0 10.6 9.6 6.0

+0.8 +0.5 -0.4 +0.1 +0.6 +0.0 +5.0 +4.6

20# spike & wire 30' Maple 30' E of ℄
Sta 128+97

+30 +15 +10 +8 -7 -11 -22 -30 -40
6.9 6.9 9.7 8.7 3.9 9.5 4.0 3.8 3.4

+2.1 +1.6 -1.7 -0.7 -0.4 -1.5 +4.0 +4.2 +4.6

+30 +17 +11 +9 -5 -8 -21 -30
10.3 9.0 13.4 12.4 11.6 13.8 7.2 6.0

+1.9 +2.4 -1.5 -0.5 +0.3 -1.9 +4.7 5.9

+30 +16 +13 +10 -5 -8 -20
9.4 9.8 4.8 9.3 3.9 5.2 0.4

+0.3 +0.9 -1.1 -0.6 -0.2 -1.5 +3.3

+30 +19 +17 +12 -8 -30
7.1 6.0 7.3 6.2 5.2 4.3

-1.1 +0.0 -1.3 -0.2 -1.2 +1.7

Culvert 131+03
6.2 13.8
10.7 12.0 E of ℄

+30 +19 +15 +10 -12 -30
9.7 7.9 8.1 7.9 8.2 6.5

-1.9 +0.1 -0.6 -1.4 -0.7 +1.0

21# spike E root 12" Ash 40' W of ℄
Sta 132+00
front house 70' E of ℄

+30 +15 +13 -8 -11 -19 -30
4.9 4.1 4.3 4.5 5.4 4.4 1.5

-0.2 +0.0 -0.2 -0.4 -1.3 -0.3 -0.9

+30 +15 +13 +10 -9 -12 -19 -30 -40
5.6 5.0 5.5 4.7 3.6 6.8 5.5 5.5 4.7

-1.1 -0.5 -1.0 -0.2 -0.5 -1.3 -1.0 -1.0 -0.2

Culvert Sta 134+70
6.5
7.9 W of ℄

13540		98.58	5.01	109.358	
13640			7.5	94.08	
TP	366	98.14	4.10	94.48	
13740			3.2	94.94	
Edge pave			5.04	93.10	
℄ Xrd			4.95	93.19	
Spavm. N 50 of ℄			6.82	91.32	
" " 100			8.55	89.59	
" " 150			9.62	88.52	
BM			4.11	94.03	109.403

East ℄ West

+.30 +.15 +.14 +.11 -.13 -.15 -.30
.53 .57 .54 .56 .69 .58 .67

-0.3 -0.7 -0.4 -0.6 -1.9 -0.8 -1.7

+.30 +.16 +.13 +.10 -.10 -.12 -.15 -.30
.43 .63 .61 .60 .52 .58 .52 .54

+0.2 -0.8 -1.6 -0.5 -0.7 -1.3 -0.7 -0.9

-.30 +.14 +.12 +.10 -.09 -.14 -.19 -.30
.32 .34 .45 .40 .39 .46 .40 .30

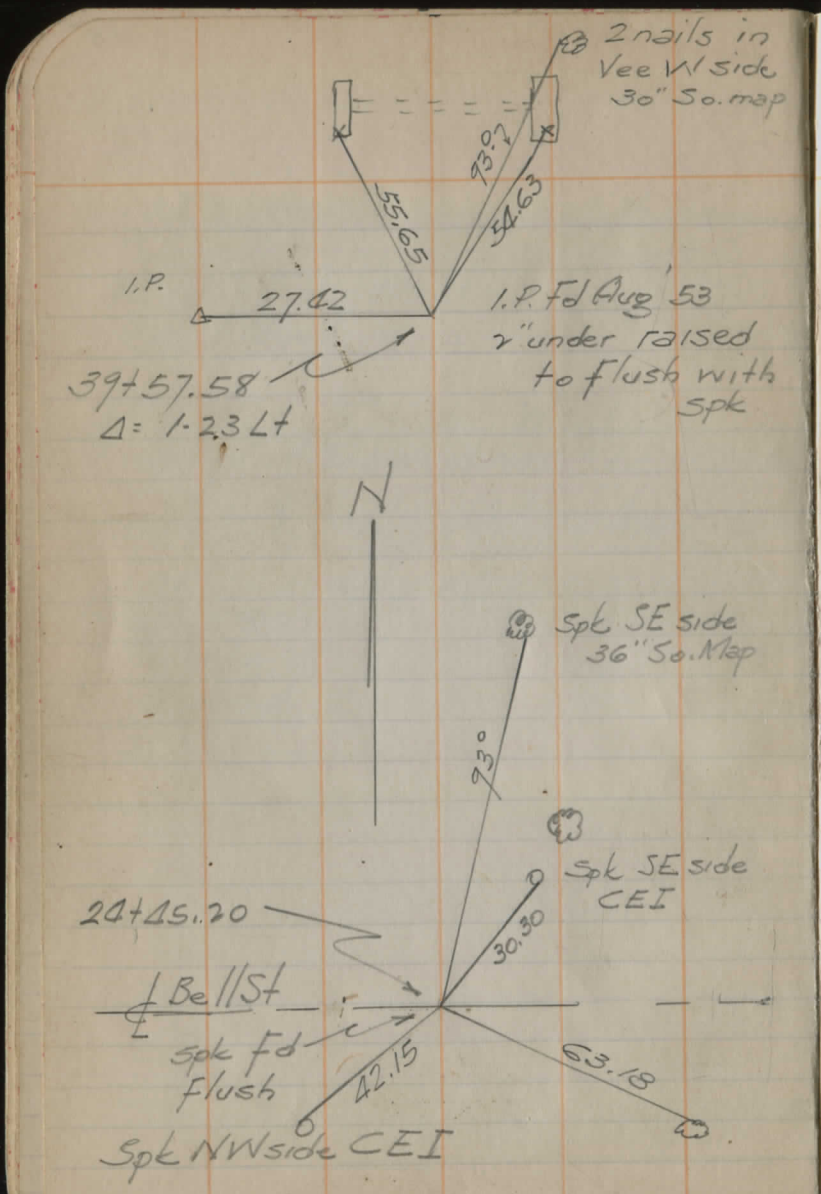
+0.0 -0.6 -1.6 -0.8 -0.6 -1.4 -0.8 +0.2

+.30 -.10
.54 .30
-.10 -.10 +.50 +.100
.35 .15 .40 .40

22# U.S.G.S.-B.M. Alum. tablet stamped (1094. A.D.J.-1903) in SE ∆ Foundation of Town Hall

Data on Chillicothe Rd. 2mp. in Bainbridge Twp. as given to Fiedler by Bobeau, Engineer on said 2mp.

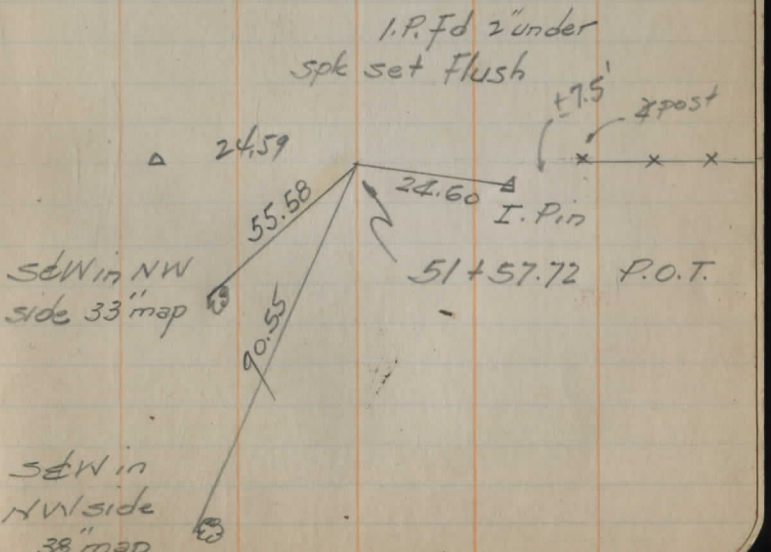
BM No 17 - 15" Maple W. side Chille. Rd 100' N. of Sopco drive = 1200.243
Grade elevation at Russell-Bainbridge Twp's Line = 1197.37
Vertical curve from Sta 279 to Sta 281
Grade of -1.25% from Sta 281 to N. end



CHILLICOTHE ROAD
FROM BELL ST. northerly

Aug. 29, 1953

Maynard
Temple
Pomeroy



Decisions arrived to by
E A Fiedler & M B Beckey

Sta 1+00 New structure
15" V.P. encased.
Sta 5+25 New structure
15" V P Encased
Sta 15+50 New Structure
15" V P Encased.
Sta 19+60 New structure
15" V P Encased
Sta 21+45 Turnouts 16' on each
side for 14' (?) improvement
Sta 40 +15 15" V P Encased
Sta 43+50 Extend 6' on each side
4' x 3' concrete box culvert
Standard headwalls
Raise grade at 43+50 Make
ditch 2' wide Probably 6" or 1 foot
over culvert & there raise 15"
Take levels on ditch to obtain
yardage & length of outlets at
Sta 40 (also 43+50)
Sta 54 Eliminate present
structure
Sta 69+30 Eliminate present
structure

Sta 73+06 New structure 15" V.P.
Encased. Side road headwalls.
Plg new structure 73+19
Sta 82+80 Extend to the ends.
with 3x3 concrete box using
present parapets
Sta 86 Present grade OK.
Sta 101+43 New Structure
15" V P Encased
Sta 122+50 New Structure 60" shen
15" V P Encased.
Make note to use present structure
for driveways Hillside type
headwalls.
Sta 132+40 Extend with more 15" pipe
from 1st X road S. Hillside type headwalls
Sta 134+70 Extend with pipe from
East 2nd Standard headwalls
2 ft Hlacking for length extend
with V.P. Note 150' 10" farm tile on
W. from tile.
Sta 138+14 Turnouts 20' each
side + ½ W
Sta 137+50 South to culvert at 134+70
Spread drainage ditch.

Check Levels Chillecothe

B.S. HI F.S. Elev.

B M	+4.59	1098.62 (nothing)		1094.028
B M	12.59	110908	-2.13	~~1091.77~~ 1096.12
B M	12.60	1121.50	-0.18	110890
B M	12.64	1132.73	-1.41	1120.09
B M	9.99	1141.47	-1.25	1131.48
BM	12,89	115321	1.15	114032
BM	5.38	115379	4.80	114841
BM	2.97	115173	5.03	114876
BM	12.65	116039	4.09	114769

From Rd. ↑ Russell-Bainbridge Twps. Line North 7/7/27 Goodrich Road

Alum. tablet stamped (1094.4 D J-1903) in S.E. Cor. foundation of Town Hall.

BM on W. Side of road. (35' from ℄) on E root of 36" ash. 600' from corner

BM on E side of road on S.W root 30" maple. 1200' from corner

BM. on W root of 18" maple E side of ℄ 25'

BM. on S. root of 30" Maple 30' E℄ 50 ft S. of drive

BM. S.W. root of 30" apple. 30' E. ℄
BM on X top of bolder 25' W℄ N of Chas Ebsch's drive

BM. Cross on S.W. corner of stepping stone. D.H. Dumont's drive. 80' from ℄ Sta. 104+96

BM. Cross on Stone. Sta. 95+30. 30' from ℄. N. of drive

	BS	HI	FS	Elev	
	12.65	116.34		111.79	
TP	12.35	117.14	0.545	1159.79	
TP	12.17	118.375	0.56	1171.58	
BM	9.26	118.179	11.22	117253	
TP	9.13	118.931	1.61	118018	
TP	9.19	119.561	2.89	118672	
BM	4.91	119.899	1.53	119408	
TP	11.95	120.930	1.64	119735	
BM					
BM	0.50	120.695	3.35	120.195	
TP	0.89	119.895	8.39	119.006	
TP	0.15	118.694	12.16	118.679	
BM	0.75	118.899	3.70	118.324	
TP	5.27	118.181	7.95	117.654	
TP	8.77	118.861	1.97	117.984	
BM	5.14	119.119	2.56	118.605	
TP	5.005	119.610	0.09	119.110	
BM	6.94	119.716	5.88	119022	
BM	4.92	120.612	0.96	119.620	

BM. cross on Stone 26' E ℄ Sta. 80+71'

BM, W. root of 24" maple. Sta. 70-31' E ℄ 38' N. of Chas Ward's. drive 5'

B.M. root of 20" maple. 38' W ℄. Sta. 59-26. 3' S. line fence.

B.M. in N.E. root of 30" maple. 37' W ℄ Sta. 48-19'

B.M. cross on Stone 33' E ℄ Sta 30-38' : 17' N from SW corner of school yard

B.M. iron pipe. 30' E ℄ Sta. 18+50'. Wilber farm

B.M. cross on. S.E cor. of Stone. 27' W ℄. 4' from NE cor. of Wilber's Barn Sta 12-10'

	BS	HI	FS	Elev
	9.92	1201.12		1191.20
TP	4.95	1198.27	7.80	1193.32
BM B	8.35	1203.62	3.00	1195.27
BM. (Bobo)			3.09	1200.53

{ BM. on N.W. root of 36" elm. 30' E ℄. Sta. 1-10'

{ BM. on E root. maple. 25' W. ℄. 278+70 - Bobo survey

Check Level

BM	6.67	54.80		1801	← H.I. of BM.
old TP	12.89	67.35	0.54	59.46	
old TP	11.70	77.47	1.58	65.77	
	12.34	81.95	1.86	75.61	
BM.			3.28	84.67	
old TP	1.38	79.93	9.40	78.55	
old TP	6.68	74.76	11.85	68.08	
BM			1.89	72.87	

79

87 - .08

86½ - 83

86 - 1.17

85½ - 28

85 - 00

30
122

$\frac{9}{144} \times \frac{130}{9}$

144) 1170 (8
1168

120
144) 2880 (20
288

$\frac{80}{122}$

$\frac{64}{144} \times \frac{130}{64}$

520
780
8320

114
114
456
114
114) 2996 (26
228
144

$\frac{130}{144} \times \frac{130}{130}$
16900

144) 16900 (117
144
250
144
1060
1008

64
64
256
384
4096

144) 4096 (28
288
1216
1152

14
14
56
196) 14400 (73
1372
1372

TABLE OF INCHES REDUCED TO DECIMALS OF A FOOT.

Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.
1/16	.0052	1 5/16	.1094	2 9/16	.2135	3 13/16	.3177	5 1/16	.4219	6 5/16	.5260	7 9/16	.6302	8 13/16	.7344	10 1/16	.8385	11 5/16	.9427
1/8	.0104	3/8	.1146	5/8	.2188	7/8	.3229	1/8	.4271	3/8	.5313	5/8	.6354	7/8	.7396	1/8	.8438	3/8	.9479
3/16	.0156	7/16	.1198	11/16	.2240	15/16	.3281	3/16	.4323	7/16	.5365	11/16	.6406	15/16	.7448	3/16	.8490	7/16	.9531
1/4	.0208	1/2	.1250	3/4	.2292	4—	.3333	1/4	.4375	1/2	.5417	3/4	.6458	9—	.7500	1/4	.8542	1/2	.9583
5/16	.0260	9/16	.1302	13/16	.2344	1/16	.3385	5/16	.4427	9/16	.5469	13/16	.6510	1/16	.7552	5/16	.8594	9/16	.9635
3/8	.0313	5/8	.1354	1/8	.2396	1/8	.3438	3/8	.4479	5/8	.5521	1/8	.6563	1/8	.7604	3/8	.8646	5/8	.9688
7/16	.0365	11/16	.1406	15/16	.2448	1/16	.3490	7/16	.4531	11/16	.5573	15/16	.6615	3/16	.7656	7/16	.8698	11/16	.9740
1/2	.0417	3/4	.1458	3—	.2500	1/4	.3542	1/2	.4583	3/4	.5625	8—	.6667	1/4	.7708	1/2	.8750	3/4	.9792
9/16	.0469	13/16	.1510	1/16	.2552	5/16	.3594	9/16	.4635	13/16	.5677	1/16	.6719	5/16	.7760	9/16	.8802	13/16	.9844
5/8	.0521	7/8	.1563	1/8	.2604	3/8	.3646	5/8	.4688	7/8	.5729	1/8	.6771	3/8	.7813	5/8	.8854	1/8	.9896
11/16	.0573	15/16	.1615	3/16	.2656	7/16	.3698	11/16	.4740	15/16	.5781	3/16	.6823	7/16	.7865	11/16	.8906	15/16	.9948
3/4	.0625	2—	.1667	1/4	.2708	1/2	.3750	3/4	.4792	7—	.5833	1/4	.6875	1/2	.7917	3/4	.8958		
13/16	.0677	1/16	.1719	5/16	.2760	9/16	.3803	13/16	.4844	1/16	.5885	5/16	.6927	9/16	.7969	13/16	.9010		
7/8	.0729	1/8	.1771	3/8	.2813	5/8	.3854	7/8	.4896	1/8	.5938	3/8	.6979	5/8	.8021	7/8	.9063		
15/16	.0781	3/16	.1823	7/16	.2865	11/16	.3906	15/16	.4948	3/16	.5990	7/16	.7031	11/16	.8073	15/16	.9115		
1—	.0833	1/4	.1875	1/2	.2917	3/4	.3958	6—	.5000	1/4	.6042	1/2	.7083	3/4	.8125	11—	.9167		
1/16	.0885	5/16	.1927	9/16	.2969	13/16	.4010	1/16	.5052	5/16	.6094	9/16	.7135	13/16	.8177	1/16	.9219		
1/8	.0938	3/8	.1979	5/8	.3021	7/8	.4063	1/8	.5104	3/8	.6146	5/8	.7188	7/8	.8229	1/8	.9271		
3/16	.0990	7/16	.2031	11/16	.3073	15/16	.4115	3/16	.5156	7/16	.6198	11/16	.7240	15/16	.8281	3/16	.9323		
1/4	.1042	1/2	.2083	3/4	.3125	5—	.4167	1/4	.5208	1/2	.6250	3/4	.7292	10—	.8333	1/4	.9375		