Mumford Road
County Highway #2-1

1

FIELD BOOK

302 T

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

Book 22

County Road #24
Mumford Gar. Road Imp.

Iron pipe were set all all
P I & P O T after pavement was
laid

SEE INDEX NEXT PG.

MUMFORD RD Sec. A-B-C-D-
E-F-G-H C.H. 24

Alignt., topo & sections	1-45
Relocation Sta. 277 to end	48
Drainage ditches	51-55
Culverts	56-59
Slopes & check levels	60-end

8.06 1120.40

1113.4

3+00 23 17 13 14 8 6 9 23
6.3 6.5 2.5 7.2 7.0 6.4 6.2 6.2

1115.2

2+00 23 21 16 13 8 7 6 9 23
5.2 5.2 6.0 5.4 5.2 4.8 5.4 4.8 4.4

1116.3

1+00 23 18 12 14 8 6 11 23
4.3 4.7 4.8 4.2 4.1 4.8 4.2 4.6

1118.3

0+00 23 12 10 7 8 7 11 15 23
1.9 2.6 3.1 2.6 2.1 2.5 3.0 1.8 6.7

1.42 1118.98

B.M. No1.

Sta. 0+30

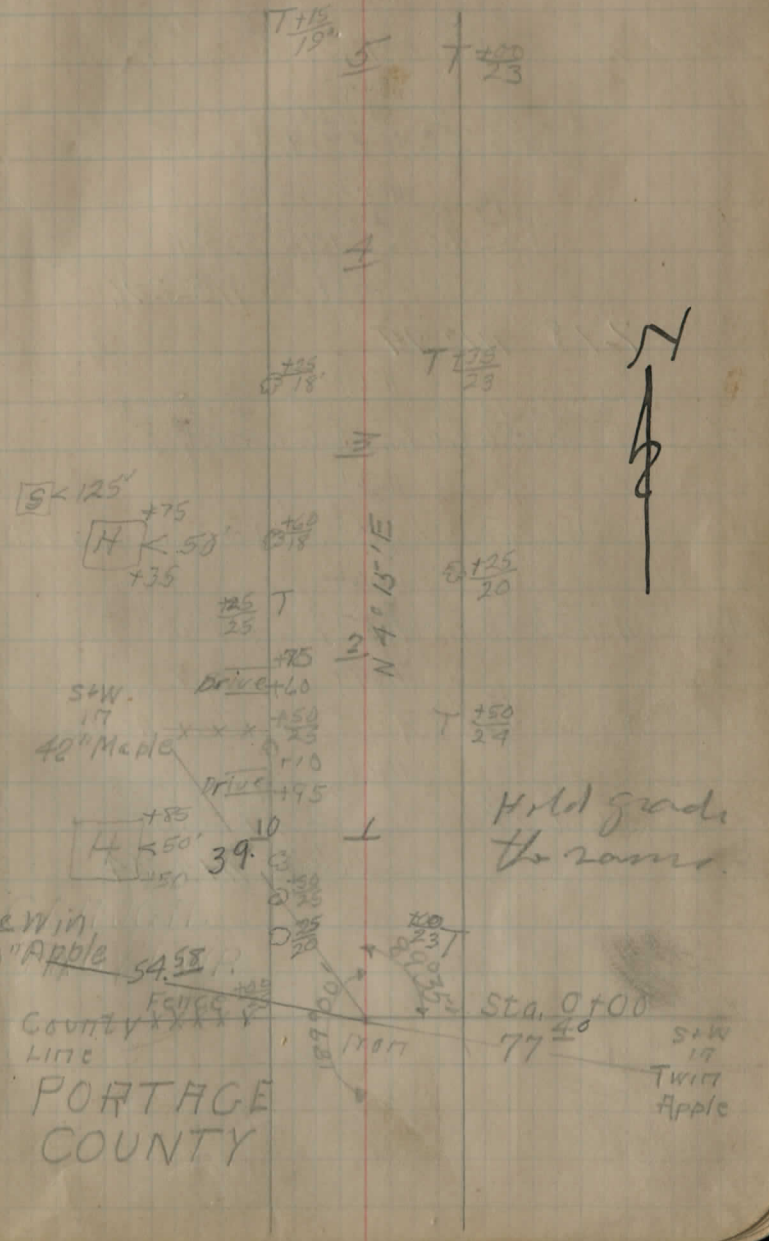
Spike in root 2.40"

Maple 30 Lt ℄

Profile South

℄ 50 100 139
2.1 2.1 2.5 3.7

1218.3 1217.9 1216.7



1104.6

11+00 — 25 7.3 | 12 5.1 | 11 5.9 | 0 5.7 | 13 5.7 | 15 6.2 | 19 5.9 | 25 4.9

1104.9

10+00 — 25 4.9 | 20 4.9 | 9 5.2 | 0 5.4 | 11 5.4 | 14 6.0 | 15 5.8 | 23 5.6

1105.3

9+00 — 25 5.4 | 13 5.2 | 11 4.8 | 0 5.0 | 8 4.7 | 11 5.3 | 25 5.4

4.55 1105.76

7.18 1112.94

1106.0

8+00 — 25 7.2 | 15 6.9 | 13 7.6 | 9 7.1 | 0 6.4 | 7 6.6 | 10 6.9 | 13 6.1 | 25 6.5

1107.1

7+00 — 25 5.4 | 14 5.8 | 12 6.8 | 10 5.7 | 0 5.8 | 8 5.8 | 10 6.1 | 13 5.0 | 15 5.4 | 22 5.3 | 25 4.4

1108.4

6+00 — 25 4.7 | 16 5.0 | 14 5.5 | 11 4.9 | 0 4.5 | 6 4.2 | 9 4.7 | 12 3.8 | 25 3.6

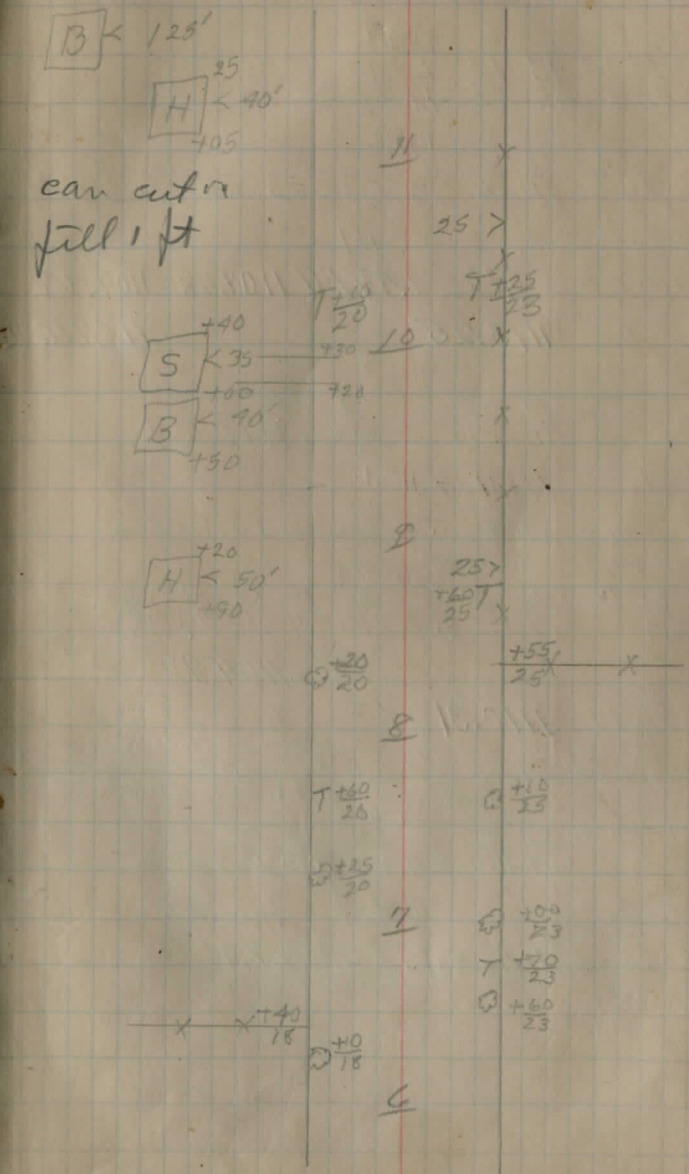
1109.9

5+00 — 25 3.2 | 17 3.2 | 16 4.2 | 13 5.3 | 0 3.0 | 5 2.9 | 9 3.3 | 11 2.3 | 21 2.4 | 25 1.6

1111.6

4+00 — 25 0.6 | 18 0.6 | 15 1.8 | 12 1.7 | 0 1.3 | 5 1.2 | 9 0.7 | 25 0.0

0.60 1112.34



1110.7

19+00 25 14 13 12 8 14 15 25
52 36 25 42 4.1 3.6 2.8 2.3

1109.0

16+65 150 100 50 25 8 25 50 100 150 200
5.6 6.6 6.2 3.6 3.8 3.5 5.3 3.3 2.9 3.9

H.I. B.M.

BM 2 5.16 1109.68 1109.62

3.63 1113.25 1109.62

1106.7

16+00 23 14 11 5 13 13 23
5.3 6.1 6.7 6.6 6.9 6.6 6.1

1105.1

15+30 23 13 10 9 12 17 17 23
7.0 8.1 8.7 8.2 8.2 8.4 8.1 8.2

1104.9

14+00 23 16 8-10 5 6 8 11 13 18 23
8.7 8.9 9.7 8.5 8.4 8.6 9.7 9.8 9.1 9.8

8.35 1104.90

5.41 1110.31 1105.2

13+00 23 13 11 8 7 6 7 12 14 23
6.7 7.8 7.4 5.6 5.1 5.6 7.7 6.7 6.7

Channel both sides Road

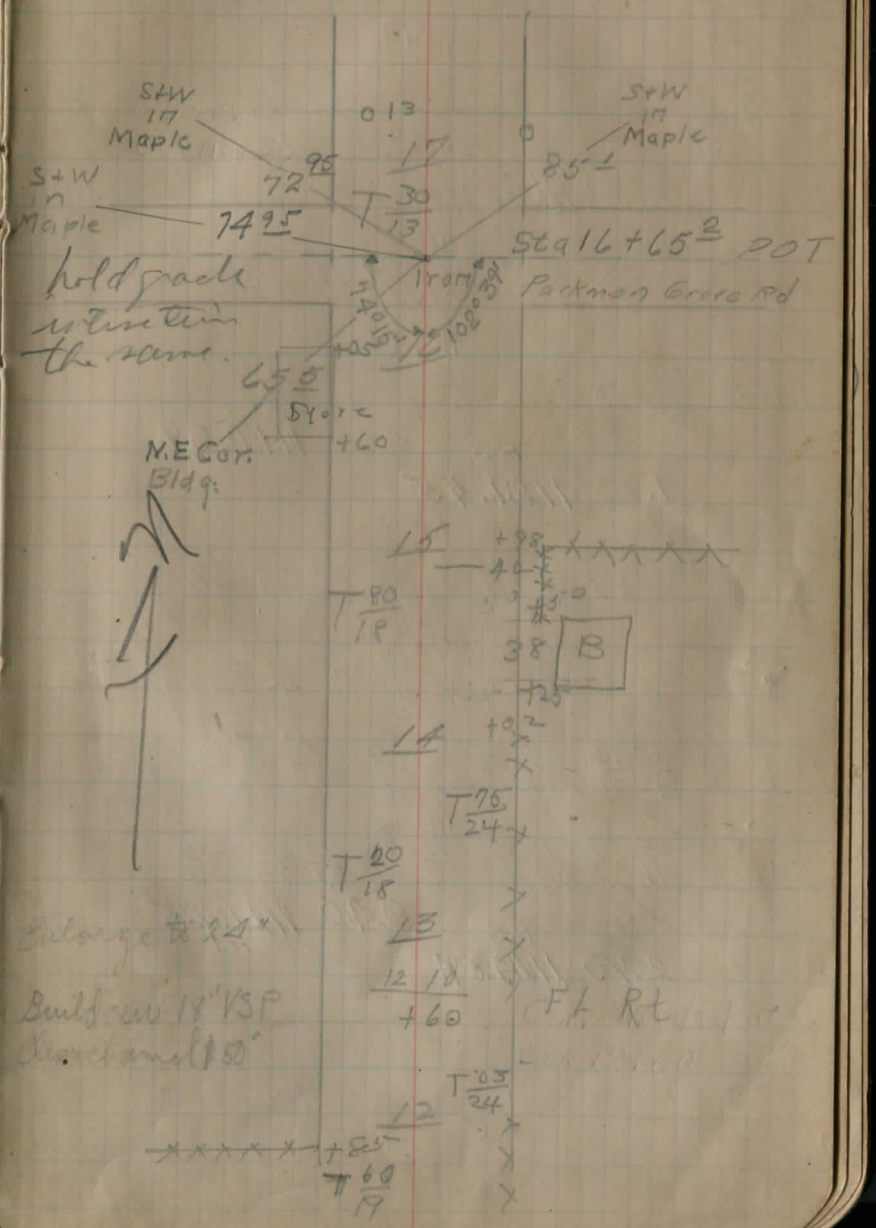
1104.6

12+60 150 100 50 12 6 10 30 51 100
11.0 10.3 10.4 11.0 5.7 8.5 10.3 10.3 10.2

1104.6

12+00 25 12 10 8 5 7 12 19 25
6.5 6.5 7.2 7.9 6.0 5.7 6.0 7.3 6.9 6.0

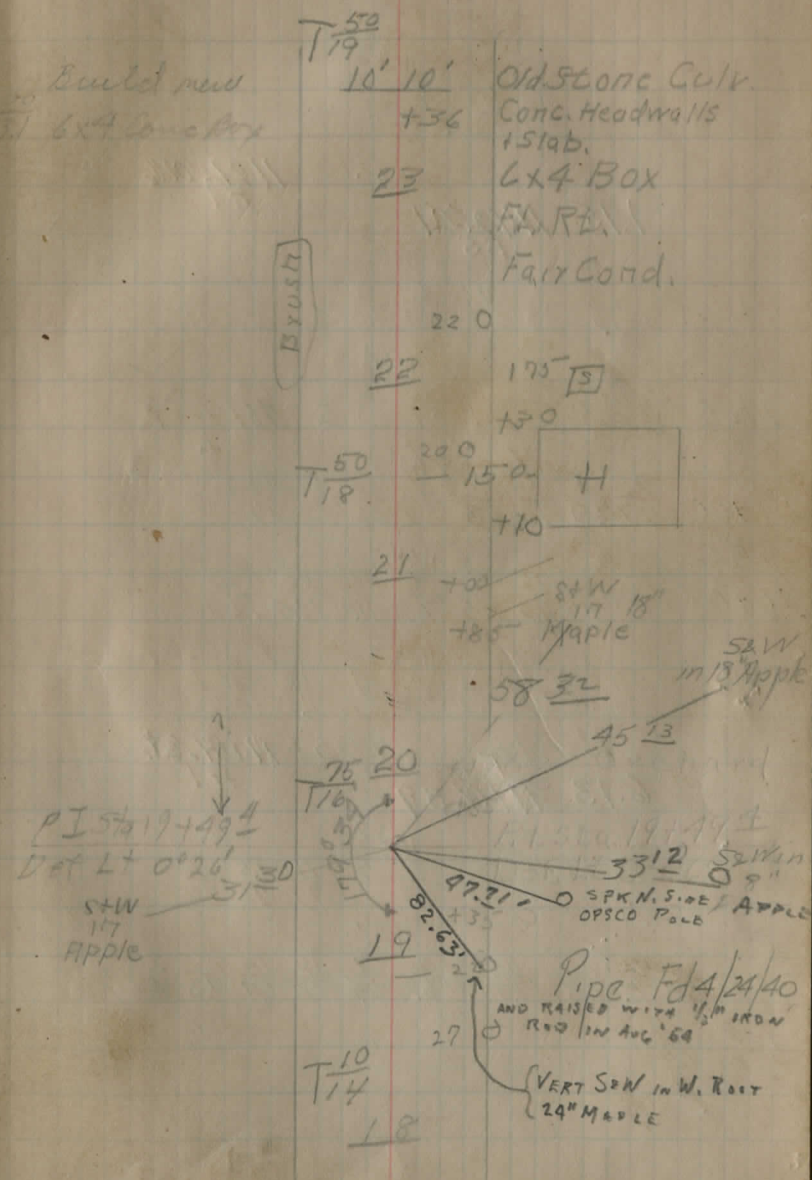
NEW I.P. SET 4.49' SOUTH, FOR NEW INTERSECTION 1954. SEE PAGE 21 FIELD BOOK #160



1110.4

1110.39

	104/58/4.6										
	1104.7										
23+36	PL/12.4	H/5.9	G/6.1	⊄/5.7	G/6.0	H/5.8	PL/12.1	50/12.8	100/12.8	12.6	3.1
	1105.6										
23+00	25/5.4	14/5.3	11/6.3	8/5.4	⊄/4.8	9/5.2	12/5.8	15/5.1	25/4.8		
	1108.3										
22+00	25/6.0	11/4.5	7/2.1	⊄/2.1	14/2.4	18/3.0	25/2.4				
	1109.9										
21+60	25/2.0	6/3.9	5/0.2	⊄/4.5	11/0.5	13/1.2	25/1.9				
	0.84	1110.39									
11.90	1121.45										
	1113.2										
21+00	25/5.2	13/6.0	11/8.4	⊄/8.3	6/7.5	9/6.2	15/5.1	25/5.0			
	1117.9										
20+00	25/3.8	11/4.0	9/3.6	6/3.8	⊄/3.6	8/4.1	10/4.6	11/4.2	15/3.5	20/3.1	25/3.6
	1116.3										
19+00	25/4.5	12/5.0	8/5.9	7/5.9	⊄/5.2	9/5.2	11/4.2	25/4.2			
	1112.9										
18+00	25/11.1	9/9.4	7/9.4	5/8.8	⊄/8.6	10/8.8	11/8.1	13/7.9	25/5.6		
	9.40	1112.05									
2.79	1114.84										



1113.4

29+00 25/6.7 16/7.6 14/8.7 11/8.6 9/8.8 8/9.2 11/10.0 14/8.3 25/7.4

11.10 1111.04

1.15 1112.21

1108.7

28+00 26/7.9 8/2.3 7/3.5 9/3.6 9/4.0 11/4.6 14/3.6 25/1.6

1107.1

27+50 25/4.5 14/3.5 8/6.0 6/5.1 9/5.1 6/5.3 12/5.6 14/5.3 25/5.5

1106.0

27+00 25/7.7 7/6.9 5/7.3 3/6.3 8/6.2 10/6.5 17/7.9 25/7.9

1104.4

26+08 50/11.6 25/11.9 FL/12.5 8/7.8 FL/11.8 50/13.5 100/12.9

1104.4

25/10.6 7/10.1 5/7.9 7/7.8 8/7.2 13/11.8 25/12.2

7.95 1104.26

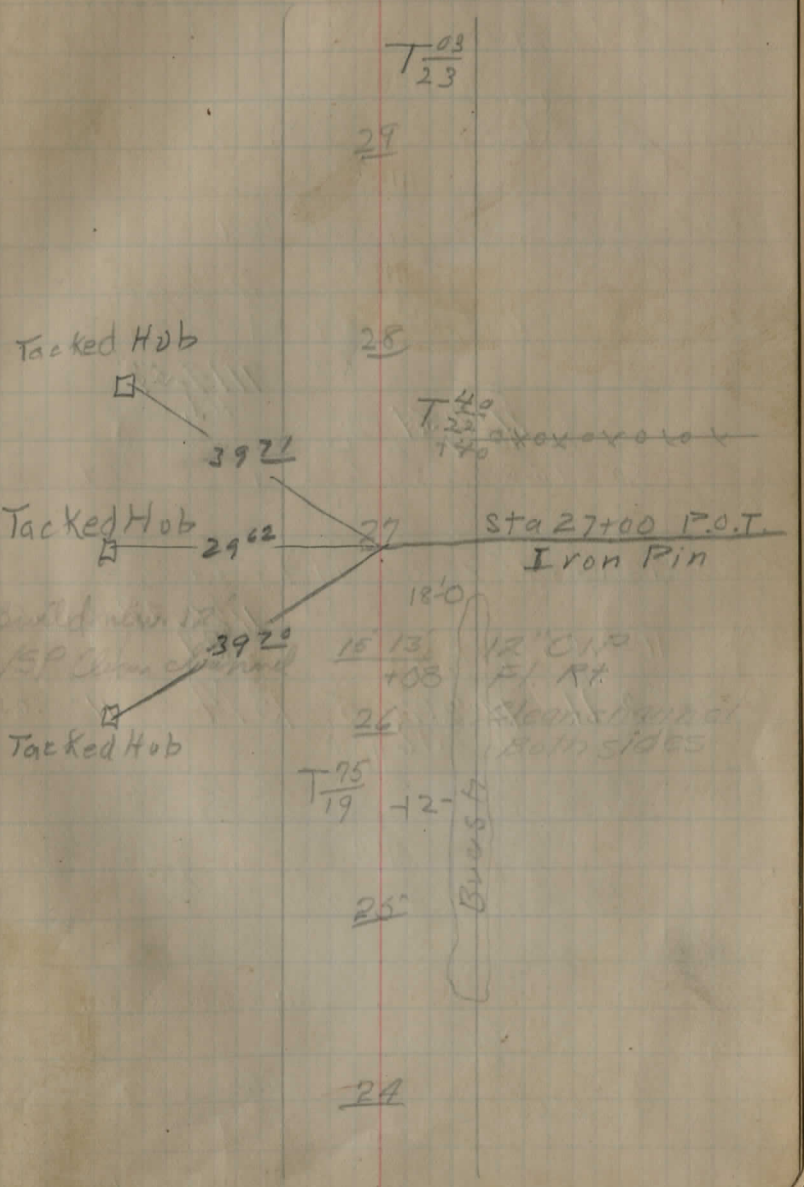
6.13 1110.39

1103.5

25+00 25/6.4 13/7.0 11/7.6 8/7.3 8/6.9 9/7.2 11/7.7 13/7.0 25/7.0

1104.2

24+00 25/6.3 12/6.7 10/7.3 7/6.8 9/6.2 7/6.4 10/7.2 12/6.9 20/7.3 25/6.2



1118.25

				1113.0					
35+00	25 / 6.8	19 / 7.1	12 / 7.1	9 / 5.6	6 / 5.3	7 / 5.3	10 / 6.8	17-19 / 7.4	21-25 / 7.0
				1112.4					
34+00	25 / 7.8	17 / 8.1	9 / 5.7	6 / 5.9	8 / 5.9	10 / 8.1	25 / 7.9		
				1112.2					
33+39	FL / 8.4	8 / 6.1	FL / 8.4	50 / 10.7					
				1112.8					
33+00	25 / 4.3	19 / 5.1	12 / 5.5	9 / 6.4	23 / 8.1	23-25 / 8.9			

3.68 1114.57

8.04 1122.61 1117.0

32+00	25 / 2.0	16 / 2.7	10 / 6.0	7 / 5.5	6 / 5.6	13 / 6.2	17 / 8.7	25 / 11.3	30 / 14.4
						1119.1			
31+50	25 / 1.9	15 / 2.1	13 / 2.8	9 / 4.5	6 / 4.0	7 / 3.5	11 / 4.1	16 / 4.7	25 / 4.1	25 / 5.3

BM #3 2.34 1120.27 1120.05

1120.05

BM #3 2.11 1122.16 1120.05

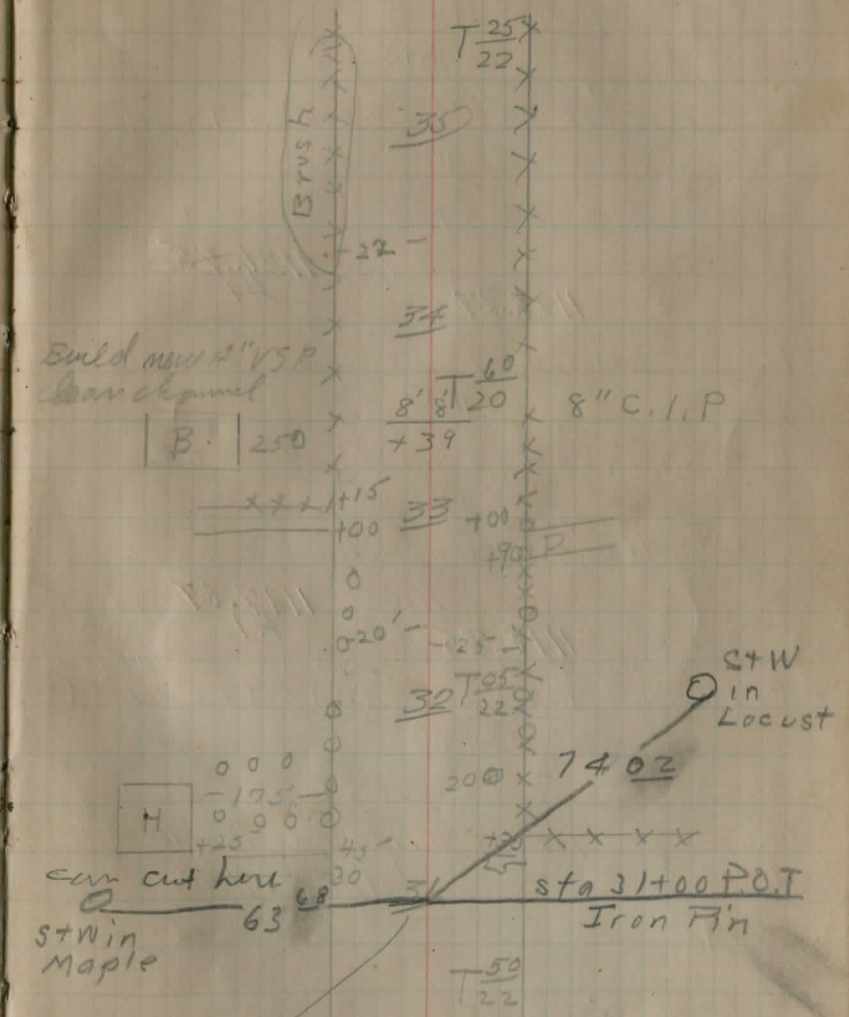
						1118.0			
31+00	25 / 3.1	16 / 4.0	11 / 4.7	7 / 4.2	8 / 4.2	8 / 4.4	14 / 4.3	19 / 5.8	25 / 5.7
						1116.9			
30+00	25 / 4.1	19 / 5.3	16 / 4.3	9 / 5.2	6 / 5.3	8 / 5.7	12 / 6.9	16 / 6.1	25 / 5.8

S & W; S side 10' Loc.

S & W in S side 14" Map. 1.5' up

63.68 65.62

82.48 S & W; W side O.P.S pole



1131.47

1127.2

41+10 — 5.0 / 8.7, FL / 6.9, ℄ / 4.3, FL / 6.3

1127.3

41+00 — 25 / 5.7, 19 / 6.2, 15-18 / 8.3, 13 / 4.4, ℄ / 4.2, 4 / 4.4, 7 / 5.5, 8 / 4.7, 19 / 4.9, 25 / 4.1

1128.4

40+00 — 29 / 10.6, 26 / 7.8, 18 / 3.9, 11 / 4.0, 7 / 3.2, ℄ / 3.1, 6 / 3.7, 11 / 3.3, 18 / -0.5, 25 / -1.4

4.75 1126.72

1.55 1128.27 1126.5

39+00 — 25 / 3.2, 18 / 3.8, 11 / 1.8, ℄ / 2.3, ℄ / 1.8, 6 / 2.5, 19 / -5.5, 25 / -5.8

1123.7

38+00 — 30 / 9.8, 24 / 8.9, 13 / 4.4, 13 / 5.1, 7 / 4.3, ℄ / 4.6, 5 / 5.4, 18 / -0.7, 25 / -1.1

1118.6

37+00 — 25 / 10.9, 18 / 9.6, 14 / 10.3, 10 / 9.7, ℄ / 9.7, 3 / 10.0, 5 / 10.6, 13 / 5.9, 21 / 2.3, 25 / 1.2

11.20 1117.07

1.18 1118.25 1116.1 Right Ditch South

36+27 — FL / 6.7, H / 1.2, ℄ / 1.8, ℄ / 2.2, ℄ / 1.7, H / 1.1, FL / 6.7, 50 / 7.0, 100 / 7.4, 150 / 8.1

1115.0

36+00 — 25 / 3.2, 16 / 4.5, 12 / 4.5, 8 / 3.0, ℄ / 3.3, 6 / 2.9, 13 / 6.9, 20 / 5.7, 25 / 5.4

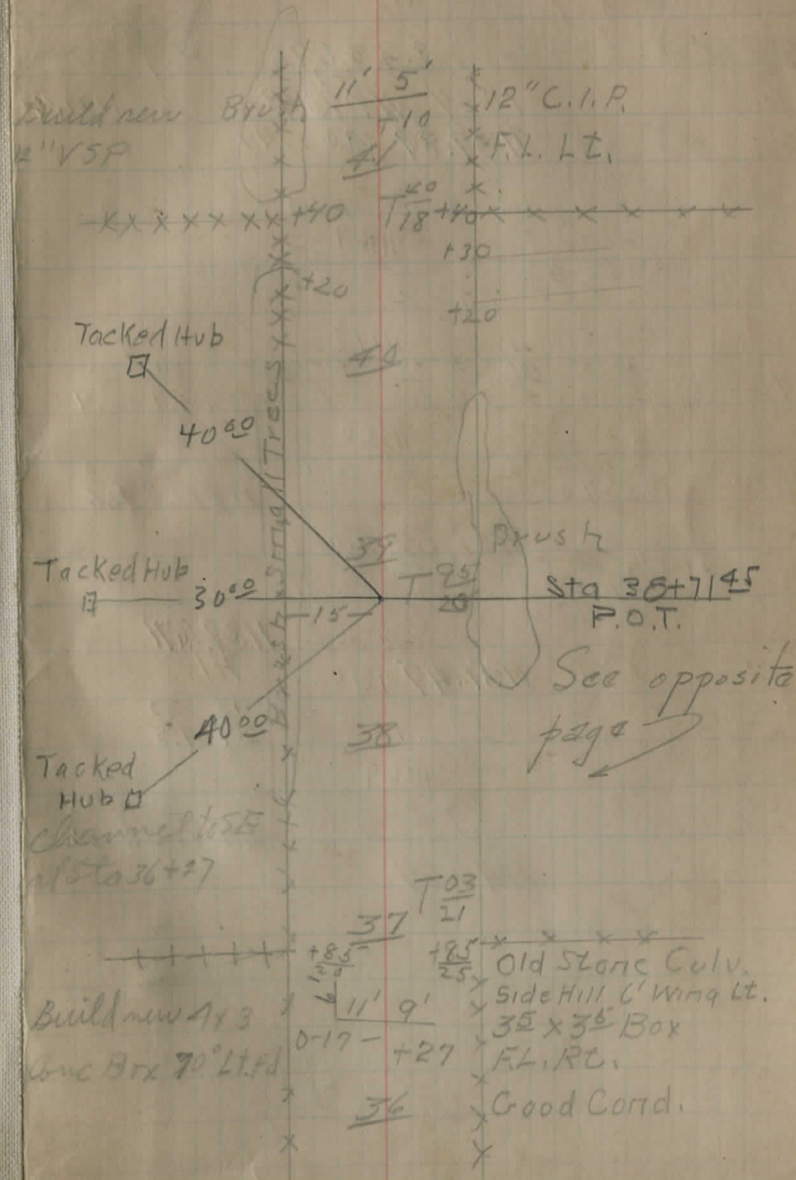
O.P.S pole / Se W — 24.62

Pipe Fd 4/24/40 (F.C.P.) E.R.

Sta. 38+71.45

64.03

Se W Nside 10" W.Ch.



1141.1

47+00 — 25 / 6.5 | 18 / 2.4 | 14 / 9.8 | 8 / 8.9 | 2 / 8.8 | 5 / 8.6 | 6 / 9.6 | 11 / 8.1 | 18-25 / 3.1

Br #A — 10.34 — 11.39.53 — 1139.19

0.40 — 1139.89 — 1138.0

46+40 — 23 / 1.1 | 17 / 1.2 | 14 / 2.9 | 12 / 1.8 | 9 / 1.9 | 7 / 1.4 | 8 / 2.5 | 12 / 1.3 | 19 / 1.5 | 25 / 2.3

1136.7

46+00 — 25 / 2.3 | 16 / 3.8 | 14 / 3.0 | 11 / 3.2 | 8 / 3.6 | 5 / 4.2 | 7-9 / 2.8 | 11 / 3.2 | 25

1134.7

45+00 — 25 / 3.6 | 18 / 5.2 | 16 / 5.5 | 15 / 5.0 | 12 / 5.2 | 6 / 5.0 | 8 / 5.8 | 10 / 4.9 | 14 / 5.4 | 25 / 5.4

1133.0

44+00 — 25 / 7.5 | 20 / 7.0 | 19 / 7.3 | 18 / 6.9 | 12 / 6.9 | 4-8 / 8.5 | 13-14 / 11.6 | 18 / 9.2 | 25 / 7.6

Bridge

43+45 — 150 / 12.3 | 100 / 11.8 | 50 / 10.9 | FL / 11.3 | 13 / 7.9 | 12 / 8.0 | 1 / 8.0 | FL / 11.8 | 50 / 11.3 | 100 / 8.9

1131.9

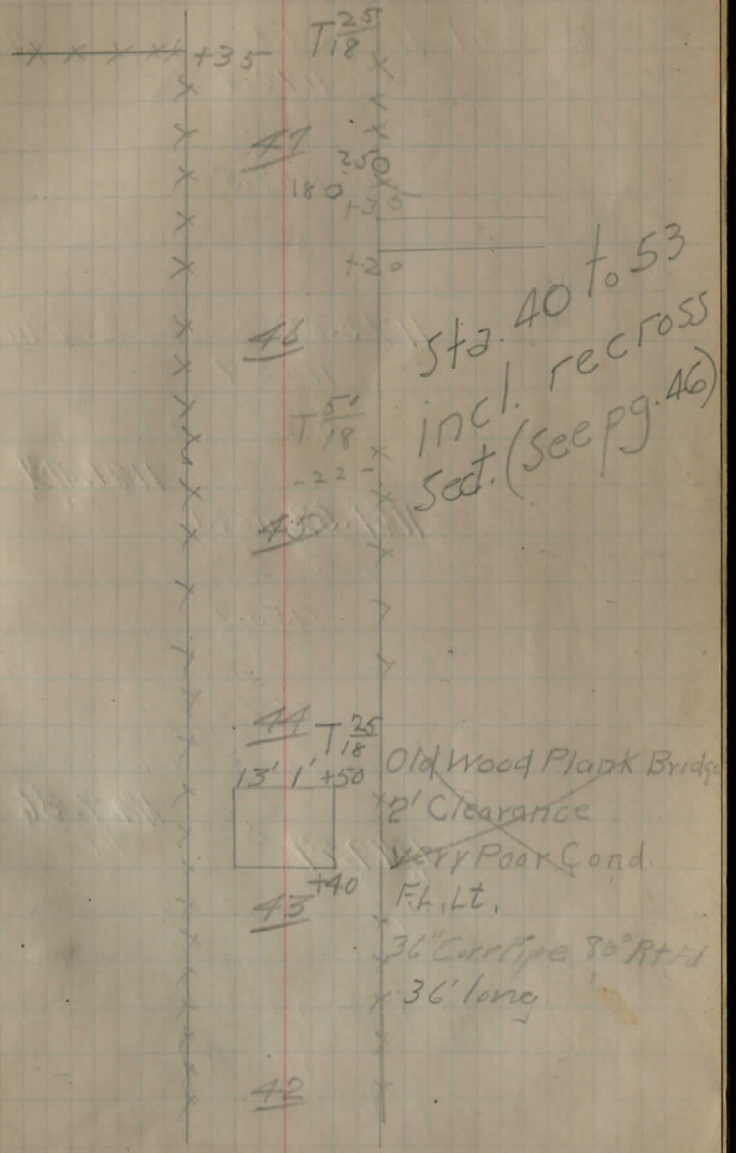
9.22 — 1130.67

0.80 — 1131.47 — 1129.4

43+00 — 25 / 2.3 | 12 / 2.0 | 10 / 2.7 | 8 / 2.1 | 6 / 2.8 | 7-8 / 3.6 | 13 / 2.7 | 23 / 1.8

1126.9

42+00 — 25 / 3.6 | 18 / 4.8 | 15 / 4.6 | 10 / 3.7 | 8 / 4.6 | 4 / 4.5 | 8 / 3.7 | 9 / 4.8 | 11 / 4.1 | 14 / 4.1 | 25 / 3.5



6.41 1173.55

BM #5 0.61 1173.55 1172.94

1170.8

54+00 25/2.3 18/2.6 13/3.4 8/3.3 4/2.8 5/3.4 10/3.6 13/2.4 25/2.4

1167.5

53+00 25/4.2 19/5.3 14/6.9 10/7.0 4/6.1 5/6.1 9/6.4 12/5.7 17/4.3 25/3.2

B.M. #5

0.06 1173.00 1172.94

1163.7

52+00 25/6.6 18/8.0 16/10.8 11/9.9 7/9.3 5/7.6 10/11.1 13/8.5 18/6.8 25/6.2

11.81 1161.19

0.33 1161.52 1159.1

51+00 25-23/-1.6 16/3.5 7/2.3 4/2.4 6/2.9 8/3.8 10/2.3 13/2.2 20/-0.5 25/-0.7

1153.9

50+00 25/4.8 21/5.1 15/8.9 6/7.6 2/7.6 7/7.9 9/9.0 12/7.3 15/7.3 19/5.9 25/5.5

1149.9

49+00 25/9.7 18/9.8 12/12.8 7/11.9 2/11.6 7/11.6 10/12.8 15/11.0 25/9.8

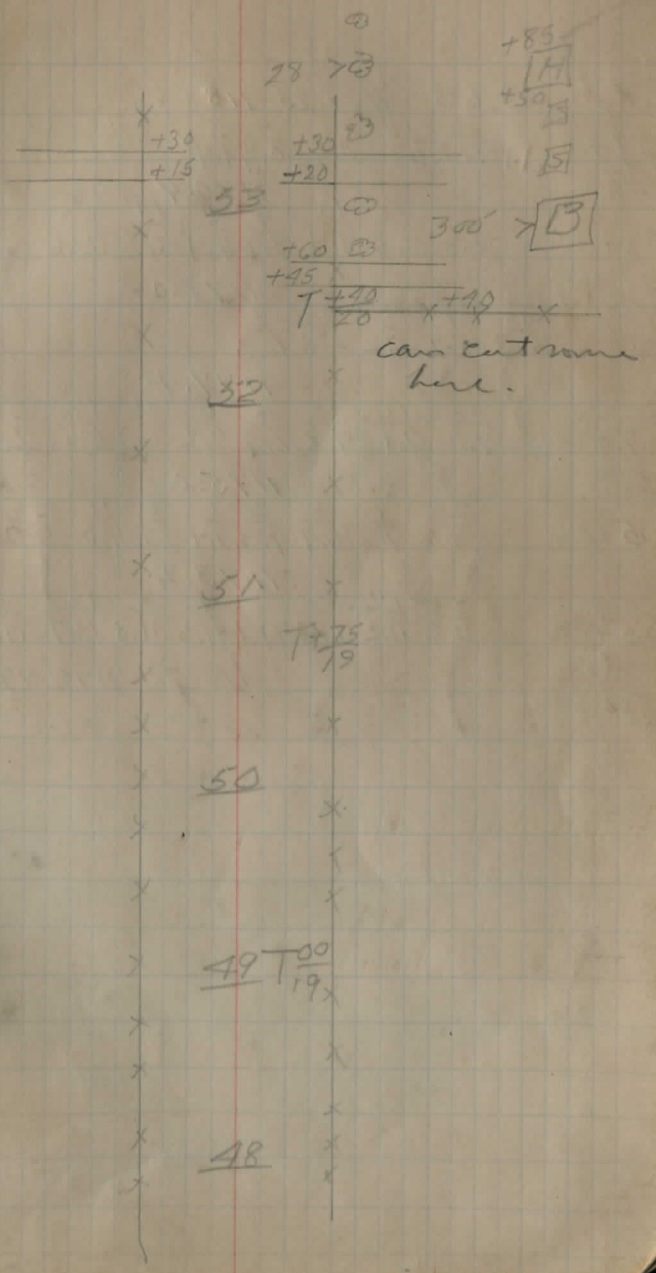
12.16 1149.36

0.53 1149.89 1146.5

48+00 20/2.1 18/3.7 11/5.7 6/4.4 2/4.4 5/7.6 8/5.7 13/3.0 23/2.3

Sta. 40 to 53 incl.

See pg. 46-47



0.63 1184.25 1183.6

59+00	25	20	13	8	4	8	10	12	19	25
	-1.1	-1.2	1.3	0.6	0.7	1.4	1.7	1.2	-1.5	-1.8

1180.4

58+00	25	16	12	4	7	19	25
	-2.8	3.5	4.4	3.9	4.4	3.2	2.6

Road Intersection 1178.0

150	100	50	25	0	
6.3	5.4	5.2	5.8	6.3	

1177.4

57+00	25	16	12	4	6	11	17	25
	7.0	7.1	7.8	6.9	7.2	7.0	6.5	6.3

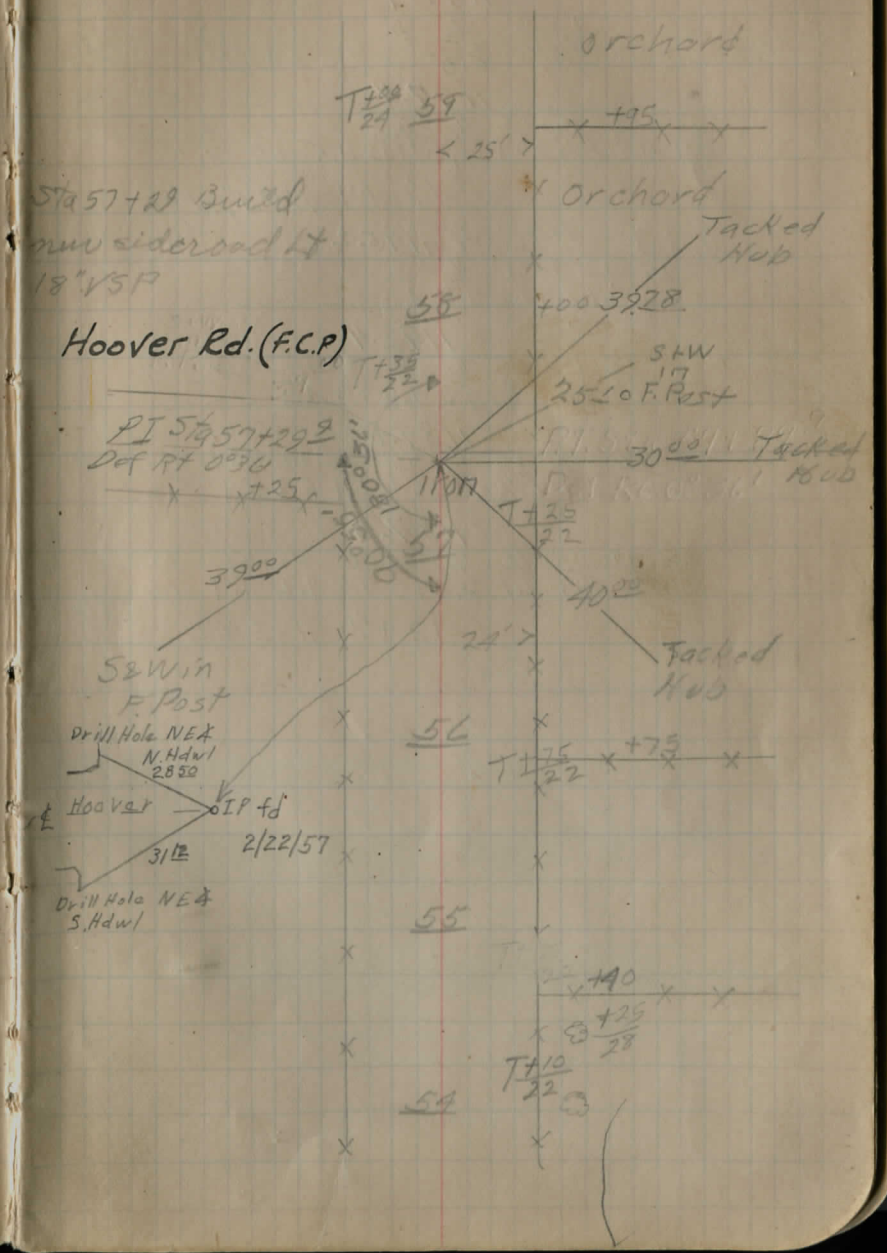
1175.0

56+00	25	13	8	4	6	9	11	25
	9.6	9.3	9.4	9.3	9.4	9.5	9.0	9.0

1173.2

55+00	25	12	8	4	4	8	12	25
	11.2	11.2	11.6	11.1	11.5	11.8	10.7	11.1

11.28 1172.97 1172.94



1199.9

65+00 25 19 15 11 6 4 8 10 25
6.7 7.0 8.6 6.8 8.5 8.8 9.2 8.4 7.1

1197.4

64+00 25 19 16 13 6 5 7 9 25
9.7 10.9 11.5 11.4 11.0 11.3 11.5 11.0 9.5

12.47 1195.91

8.13 1196.04 1195.2

63+00 25 10 10 14 6 6 8 25
-1.0 0.7 1.4 1.2 0.8 1.0 1.2 0.00

1192.4

62+00 25 18 15 13 6 6 8 14 25
2.2 3.0 4.3 3.8 3.6 4.0 4.0 2.9 2.2

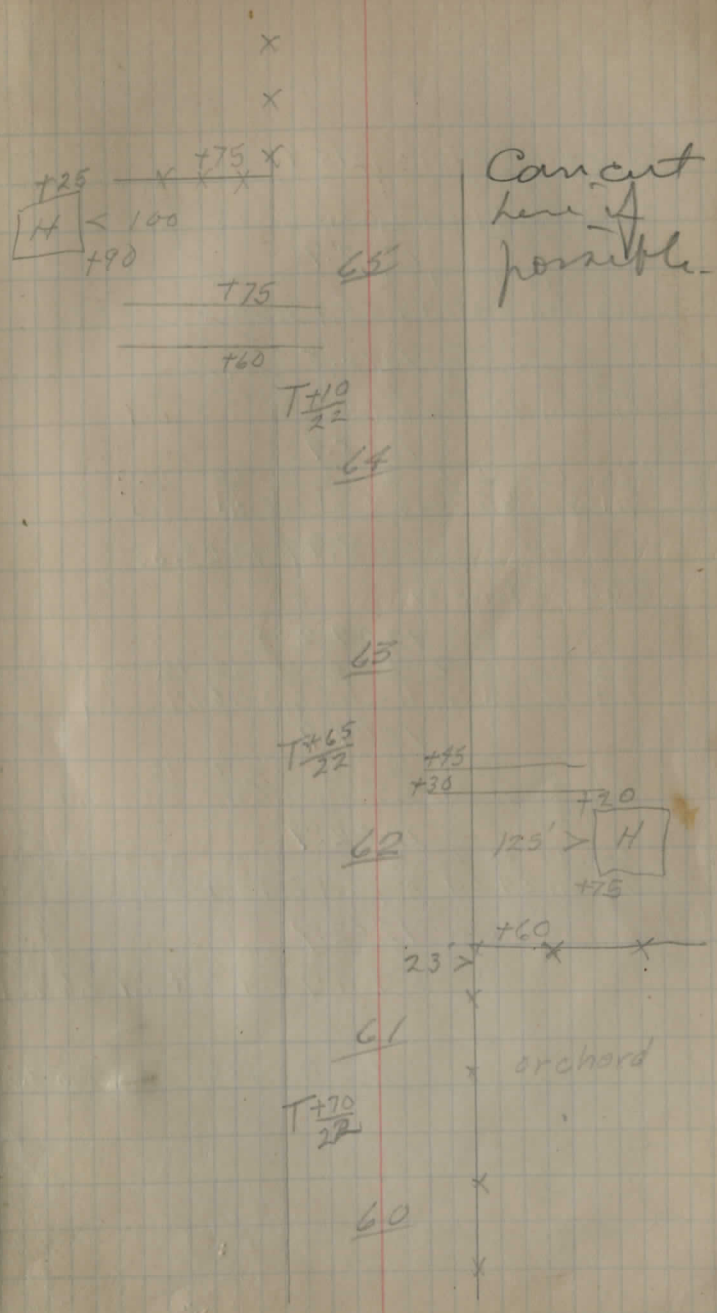
1189.8

61+00 25 19 12 10 6 5 8 11 16 25
4.6 5.2 6.9 6.3 6.2 6.6 7.1 6.8 5.4 5.2

1187.3

60+00 25 19 11 9 6 5 7 12 17 25
7.0 7.5 9.4 9.1 8.7 9.0 9.8 9.2 7.7 7.0

12.42 1183.62



0.85 1217.35 1215.4

72+00 25 16 14 9 7 8 7 10 17 25
2.2 2.4 2.9 3.1 2.4 2.0 2.5 3.3 1.8 1.8

1212.9

71+00 25 14 10 7 8 7 9 12 19 25
3.3 4.1 5.3 4.9 4.5 5.1 5.6 4.8 3.2 3.0

1210.8

70+00 25 13 9 12 8 7 11 16 25
6.3 7.1 7.5 7.2 6.6 7.2 8.0 7.3 6.7

1208.9

69+00 25 15 11 9 8 7 11 16 25
9.1 9.3 9.5 9.2 8.5 9.1 7.8 9.1 8.5

8.97 1208.38

0.00 1208.38

1207.2

68+00 25 17 12 9 8 6 9 10 16 25
1.4 1.6 2.1 1.7 1.2 1.8 2.3 1.8 1.7 1.4

1204.9

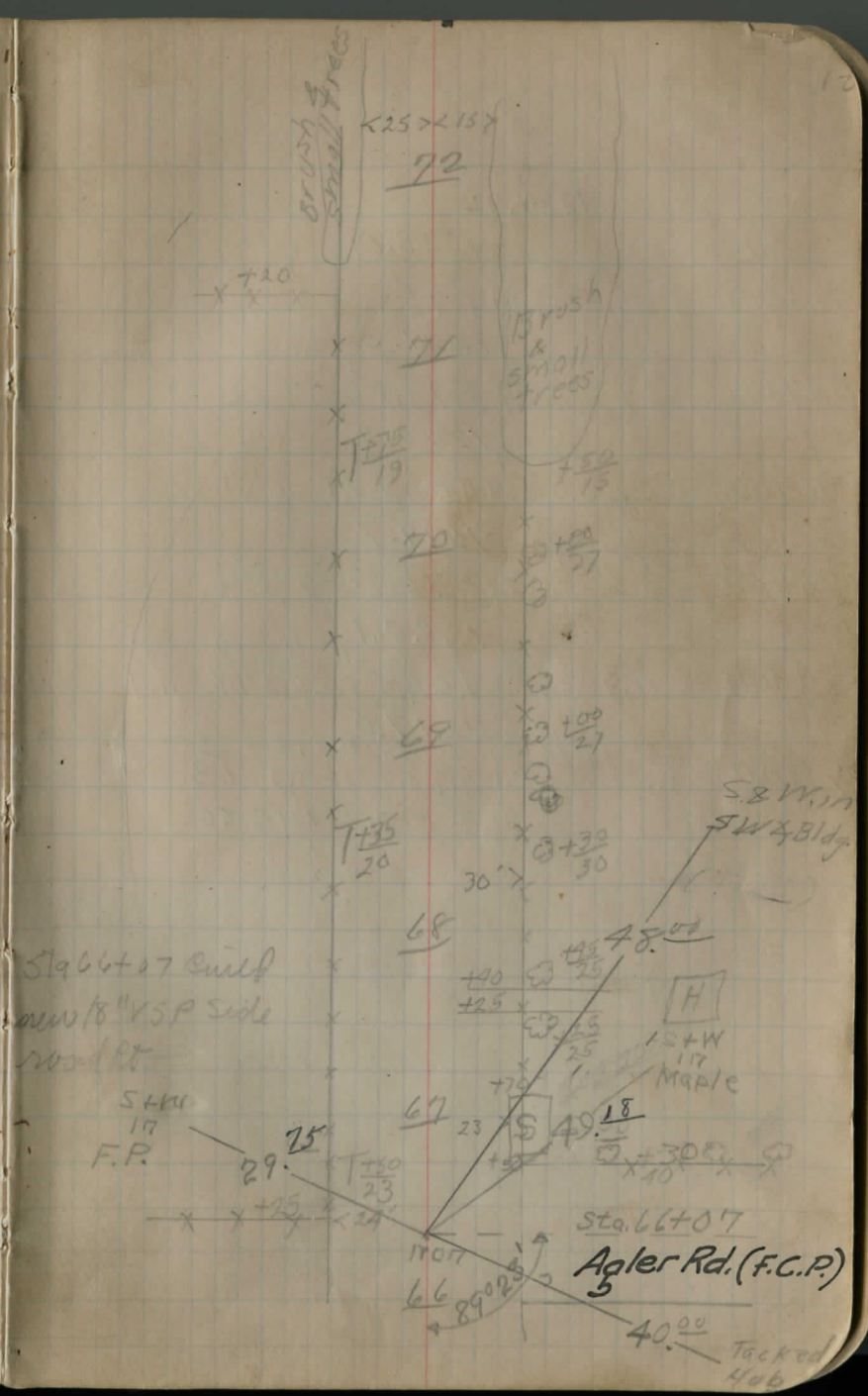
67+00 25 18 14 11 8 5 8 9 16 25
2.9 3.2 4.0 3.9 3.5 4.1 4.5 4.0 2.6 2.4

1202.7

66+00 25 17 17 10 8 5 8 10 25
4.0 5.1 4.4 4.1 5.7 6.1 6.4 5.4 4.7

Road Intersection 1202.7
50 ft
8 25 50 100 150 200 250
5.7 4.7 5.4 4.4 4.1 4.6 4.4

BM #6 2.50 1205.[illegible] 1205.83.



1.67 1224.72

1223.0

78+00 25 1.5 11 1.9 8 2.5 5 2.1 2 1.7 9 2.3 13 2.6 14 2.2 25 1.5

1221.3

77+00 25 4.3 9 4.5 5 3.9 2 3.4 10 3.1 12 4.5 25 4.2

1220.2

76+00 25 6.2 7 6.0 4 5.4 2 4.5 11 4.8 16 6.1 25 6.8

1219.7

75+00 25 5.6 12 5.5 5 5.8 2 5.0 8 5.0 13 5.8 25 5.4

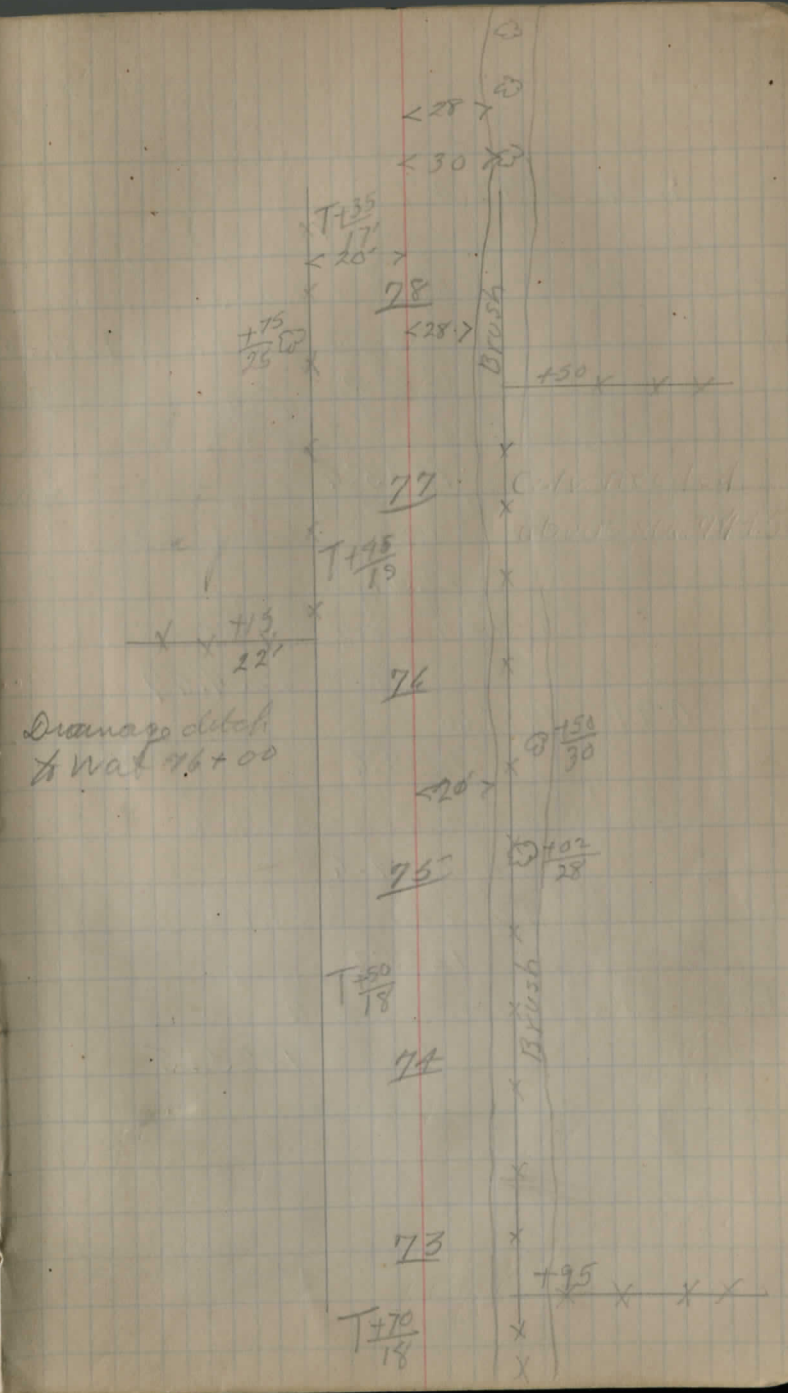
1220.1

74+00 25 4.8 9 5.5 4 5.2 2 4.6 6 4.5 11 5.2 13 6.3 19 4.8 25 4.4

1217.0

73+00 25 8.2 15 8.6 10 9.2 5 8.1 2 7.7 7 8.0 11 8.7 14 8.3 25 6.8

8.22 1216.50



7.74 1243.47

1236.9

85+00 20 11 5 9 5 10 14 17 25
7.7 7.5 7.0 6.6 6.6 7.2 7.2 5.7 5.6

BM #8 6.20 BM 1237.27 1237.28

1238.3

84+00 25 14 8 4 9 14 17 22 25
4.8 4.9 6.3 5.2 5.1 5.8 5.4 4.0

1235.6

83+00 25 2 4 2 9 12 17 25
6.9 7.1 8.3 7.9 7.6 8.2 8.7 7.8

1234.2

82+00 25 9 8 7 13 16 18 25
9.5 9.6 9.2 8.7 9.0 9.7 9.5 9.5

8.78 1234.69

0.91 1235.60

1233.6

81+00 25 18 8 5 7 11 14 16 25
1.7 1.5 3.0 2.6 2.0 2.7 3.4 2.7 1.6

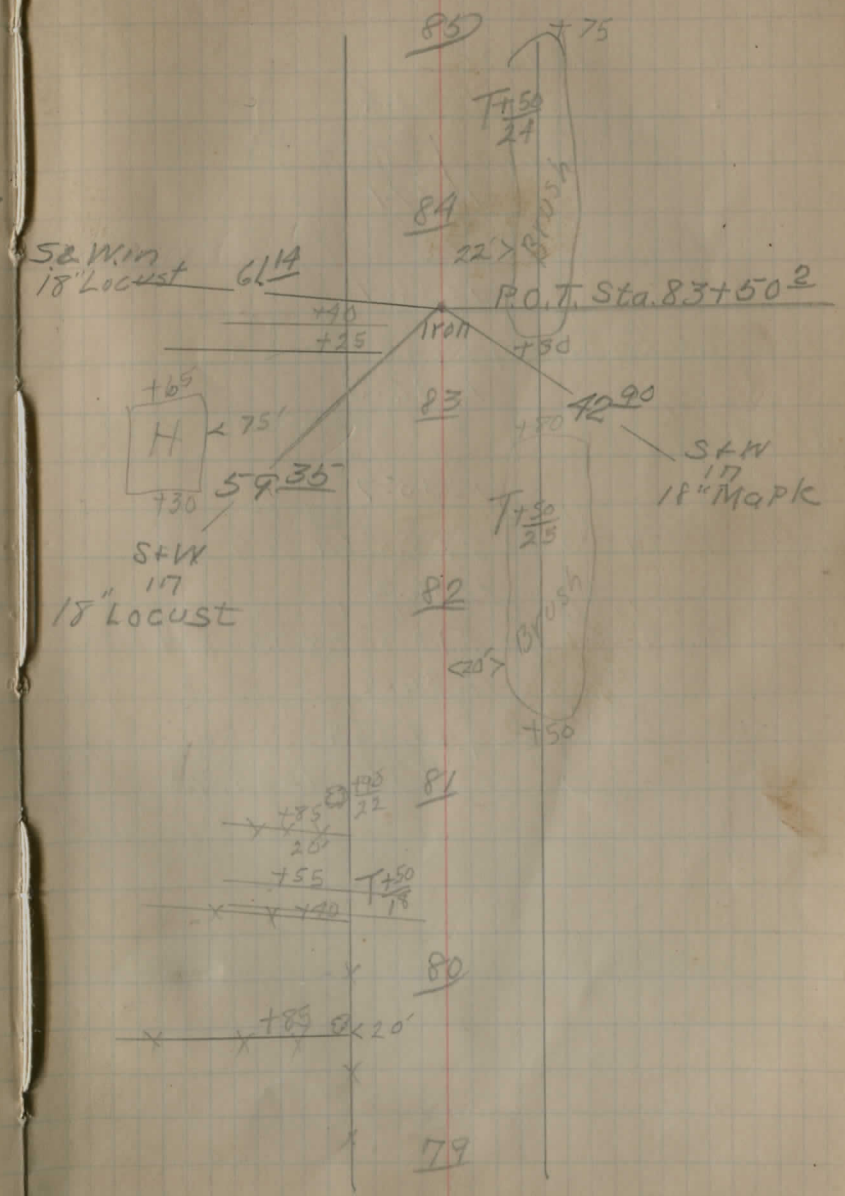
1229.4

80+00 25 13 8 6 8 8 10 16 25
5.5 5.2 6.9 6.3 6.0 6.5 7.3 3.4 3.2

1225.6

79+00 25 13 8 4 9 9 12 18 25
8.1 8.7 11.0 10.4 10.0 10.6 11.2 9.0 8.2

12.55 1223.05



1.86 1241.28

1238.4

91+00 25 2.0 | 18 2.1 | 10 2.7 | 6 3.6 | 0 2.7 | 6 2.9 | 7 3.7 | 25 1.9

1237.1

90+00 25 4.6 | 15 4.8 | 2 5.3 | 0 4.2 | 10 4.2 | 14 4.9 | 25 4.8

1236.4

89+00 25 6.6 | 16 6.7 | 12 6.7 | 6 4.7 | 8 4.9 | 7 4.9 | 13 6.5 | 25 6.9

1236.3

88+74 16 9.3 | 50 8.2 | 42 7.4 | 0 5.0 | FG 7.3

1235.7

88+00 25 7.0 | 16 7.1 | 11 7.3 | 6 5.5 | 0 5.6 | 8 5.5 | 13 6.9 | 16 7.0 | 25 6.8

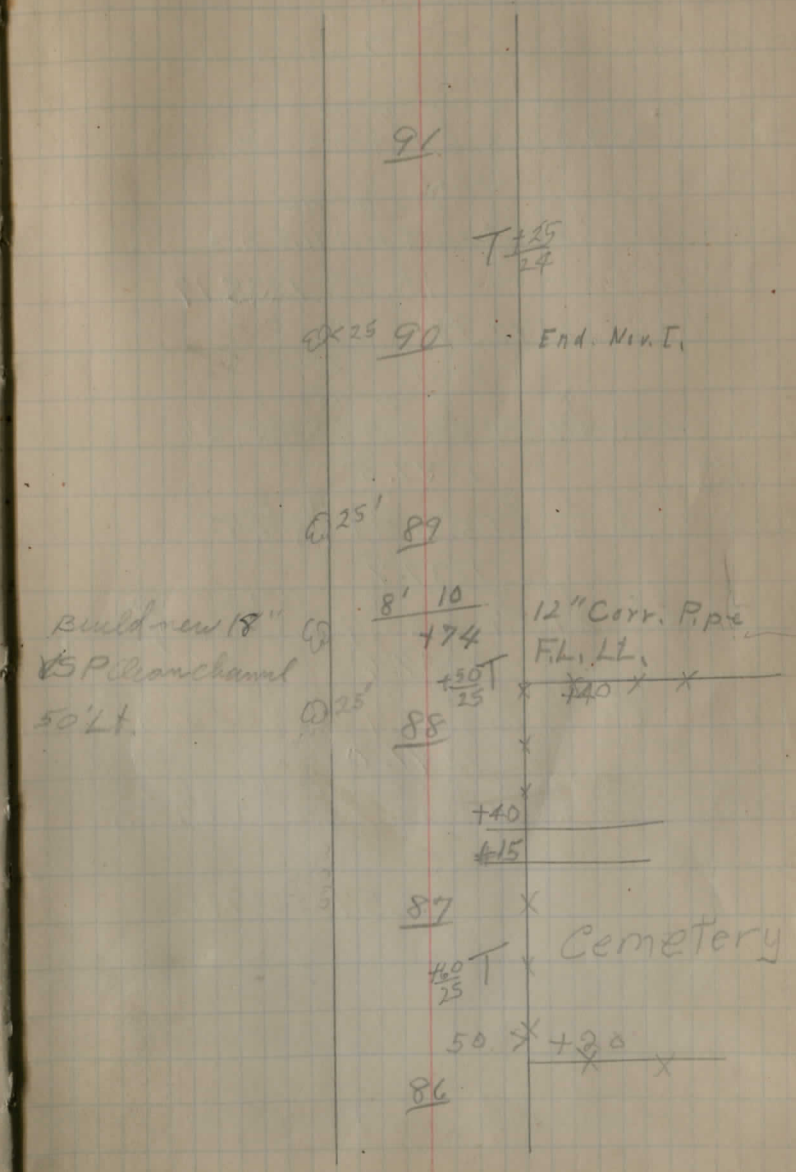
1236.2

87+00 28 7.2 | 19 7.2 | 13 6.6 | 6 5.4 | 0 5.1 | 7 5.5 | 14 7.8 | 19 7.3 | 25 6.4

1236.6

86+00 25 6.5 | 12 6.6 | 8 5.2 | 0 4.7 | 7 5.0 | 13 6.4 | 19 5.0 | 25 5.0

5.55 1235.73



1249.01

1243.2

98+00 25 4.1 | 14 4.5 | 8 6.7 | 8 5.8 | 8 5.9 | 14 6.9 | 19 4.4 | 25 4.5

1240.3

97+00 25 5.1 | 13 5.5 | 9 9.0 | 7 9.3 | 9 8.7 | 7 8.9 | 12 10.2 | 15 10.4 | 20-25 7.0

1238.1

96+00 25 11.2 | 12 11.6 | 9 12.4 | 8 10.9 | 9 11.1 | 14 11.5 | 17 11.3 | 25 11.3

10.82 1238.19

4.80 1242.99

1237.1

95+00 25 9.1 | 13 6.7 | 6 6.4 | 9 5.9 | 11 5.9 | 15 6.2 | 17 5.8 | 25 6.6

100 10.2 | 50 EL 9.0 | 8.6 | H 4.2 | G 5.7 | 5.5 | G 5.4 | H 4.3 | EL 8.5

1237.5

94+70

1237.7

94+00 25 6.6 | 13 6.1 | 7 5.9 | 9 5.3 | 7 5.7 | 11 6.3 | 15 5.7 | 25 4.6

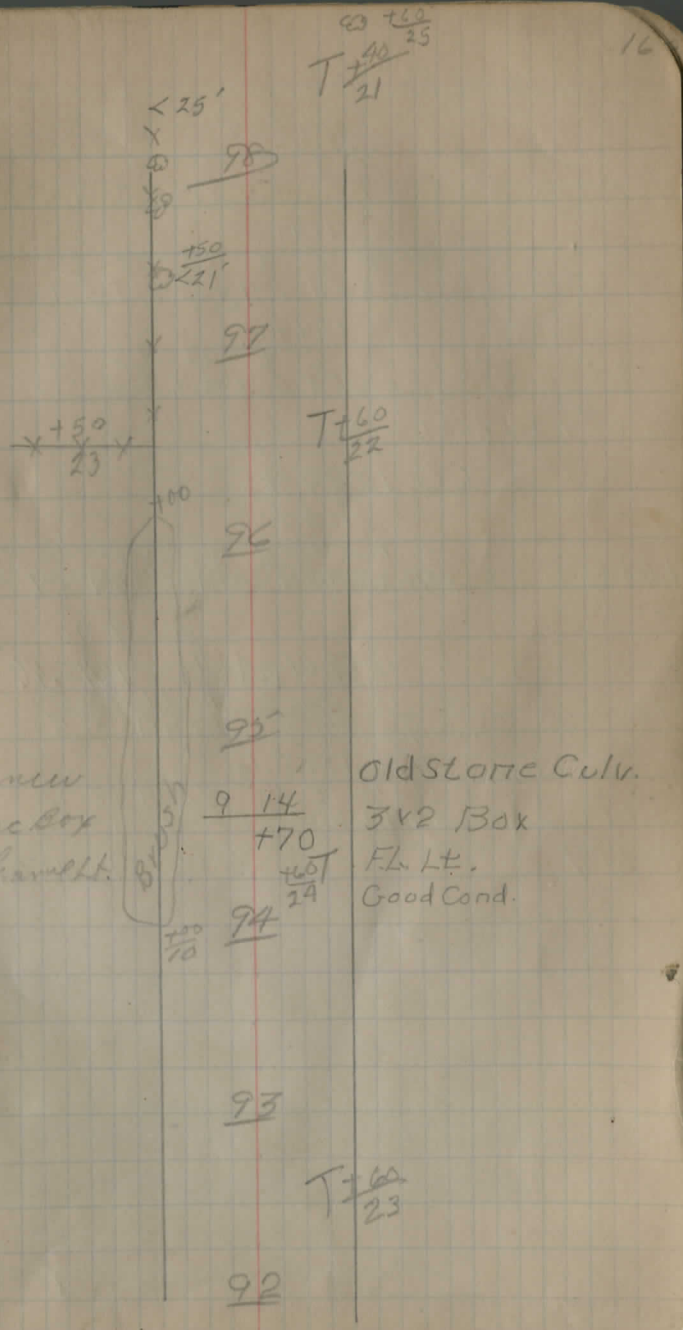
1239.6

93+00 25 2.4 | 15 2.8 | 9 4.5 | 9 3.4 | 5 3.7 | 10 4.3 | 13 3.5 | 20 1.8 | 25 1.5

1241.0

92+00 25 3.0 | 10 2.5 | 8 3.1 | 8 2.0 | 6 2.2 | 11 3.2 | 14 2.1 | 21 0.7 | 25 0.5

3.57 1239.42



1246.93

1244.4

104+00 — 25 0.2 | 13 5.0 | 11 5.8 | 9 5.2 | 8 4.5 | 11 5.4 | 15 6.0 | 19 4.5 | 25 3.6

1244.2

103+00 — 20 5.4 | 16 3.7 | 9 5.5 | 6 5.1 | 8 4.7 | 7 4.6 | 13 6.1 | 16 5.1 | 25 4.4

1244.1

102+00 — 20 4.5 | 13 5.1 | 10 5.3 | 6 5.1 | 8 4.8 | 11 4.9 | 15 5.6 | 17 5.0 | 25 4.0

B.M. #10 1240.86

8.60 1249.46

1245.5

101+00 — 20 3.7 | 14 3.8 | 11 4.8 | 8 4.4 | 11 4.1 | 12 5.1 | 15 6.7 | 16 4.8 | 25 3.8

4.00 1245.46

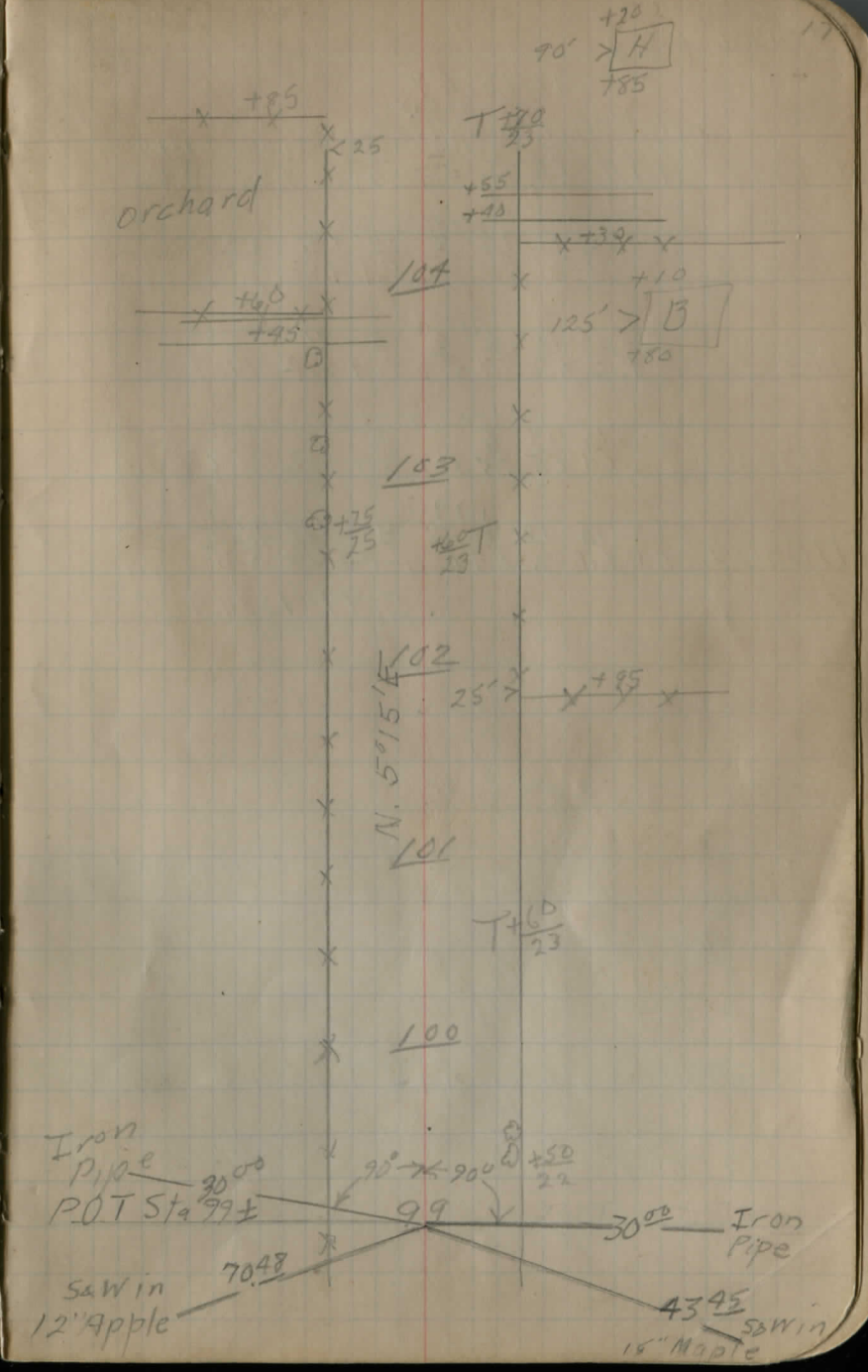
3.55 1249.01 1244.7

100+00 — 20 4.2 | 13 4.3 | 9-10 4.9 | 8 4.3 | 9 4.3 | 14 4.7 | 25 4.5

1245.6

99+00 — 25 3.3 | 17 4.0 | 12 4.7 | 8 4.3 | 6 3.1 | 9 4.3 | 14 5.5 | 17 4.8 | 20 4.8 | 25 3.4 | 3.1

BM #9 3.02 1245.99 1246.01



BM
1240.86 4.83

1245.69

1241.5

Main Market

106+67	150 / 7.9	100 / 6.6	56 / 5.3	25 / 4.4	2 / 3.7	5-0 / 2.7	100 / 1.2	140 / 0.00

1240.7

107+00	25 / 6.9	16 / 5.3	8 / 5.0	11 / 5.1	18 / 4.5	25 / 3.2	

1240.6

108+00	25 / 6.2	18 / 6.3	6 / 5.7	2 / 5.1	5 / 3.4	14 / 6.2	25 / 4.7

1240.6

109+00	25 / 6.0	16 / 6.1	13 / 6.5	6 / 5.5	3 / 3.1	5 / 5.4	19 / 6.2	15 / 5.8	25 / 4.6

1239.7

110+00	25 / 6.1	19 / 6.1	18 / 7.2	11 / 6.4	8 / 6.0	7 / 6.2	14 / 9.2	18 / 5.3	25 / 4.9

5.77 1239.92

I.P. Fd. May 1956

BM #10
1240.86

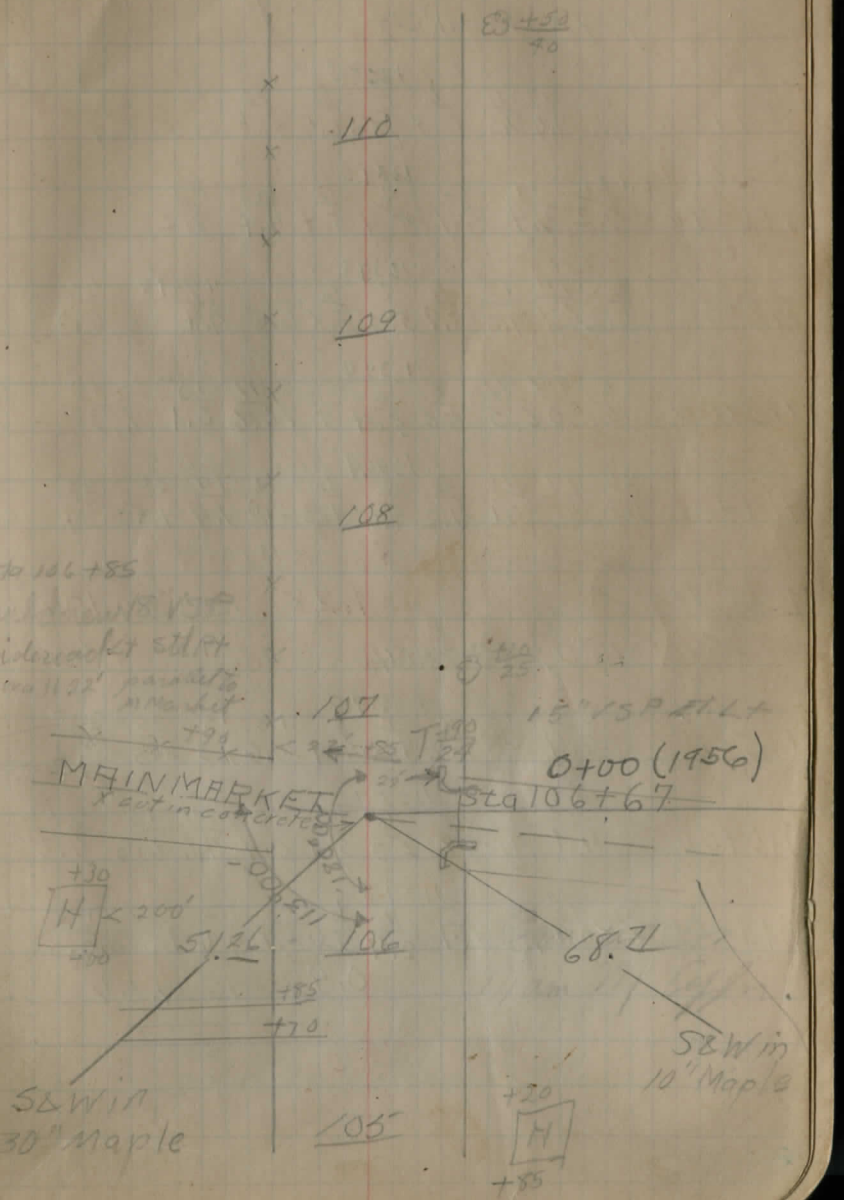
8.07 1248.93

1241.7

106+00	25 / 8.6	14 / 8.2	8 / 7.2	13 / 6.9	15 / 7.5	16 / 7.0	25 / 6.5

1243.1

105+00	25 / 6.5	13 / 6.7	10 / 6.6	9 / 5.8	8 / 6.3	13 / 7.0	15 / 6.3	16 / 7.0	25 /



4.90 1244.82

1238.5

111+00 | 25/7.4 | 13/7.0 | 11/7.5 | 6/6.3 | ℄/6.3 | 8/6.5 | 11/6.8 | 16/6.5 | 25/5.9

100/7.8 100/8.7 50/8.1

1239.4

111+46 | FL/9.2 | H/4.4 | G/5.1 | ℄/5.4 | G/5.4 | H/4.4 | FL/9.2

1239.3

112+00 | 25/7.2 | 14/6.7 | 12/7.0 | 7/5.7 | ℄/5.5 | 6/5.8 | 8/6.5 | 17-19/7.4 | 25/6.5

1239.4

113+00 | 25/6.5 | 14/6.0 | 11/6.5 | 8/5.6 | ℄/5.4 | 6/5.7 | 11/6.6 | 15/6.1 | 25/6.3

1240.9

114+00 | 25/3.3 | 17/3.6 | 10/5.1 | 3/4.2 | ℄/3.9 | 6/4.3 | 11/5.0 | 14/4.4 | 20/4.5 | 25/3.4

B.M.

BM#11 1.28 1243.54 1243.52

8.50 1252.04

1247.7

115+00 | 25/7.4 | 13/8.0 | 8/10.2 | ℄/9.3 | 6/9.4 | 13/10.6 | 15/9.3 | 20/8.3 | 25/8.2

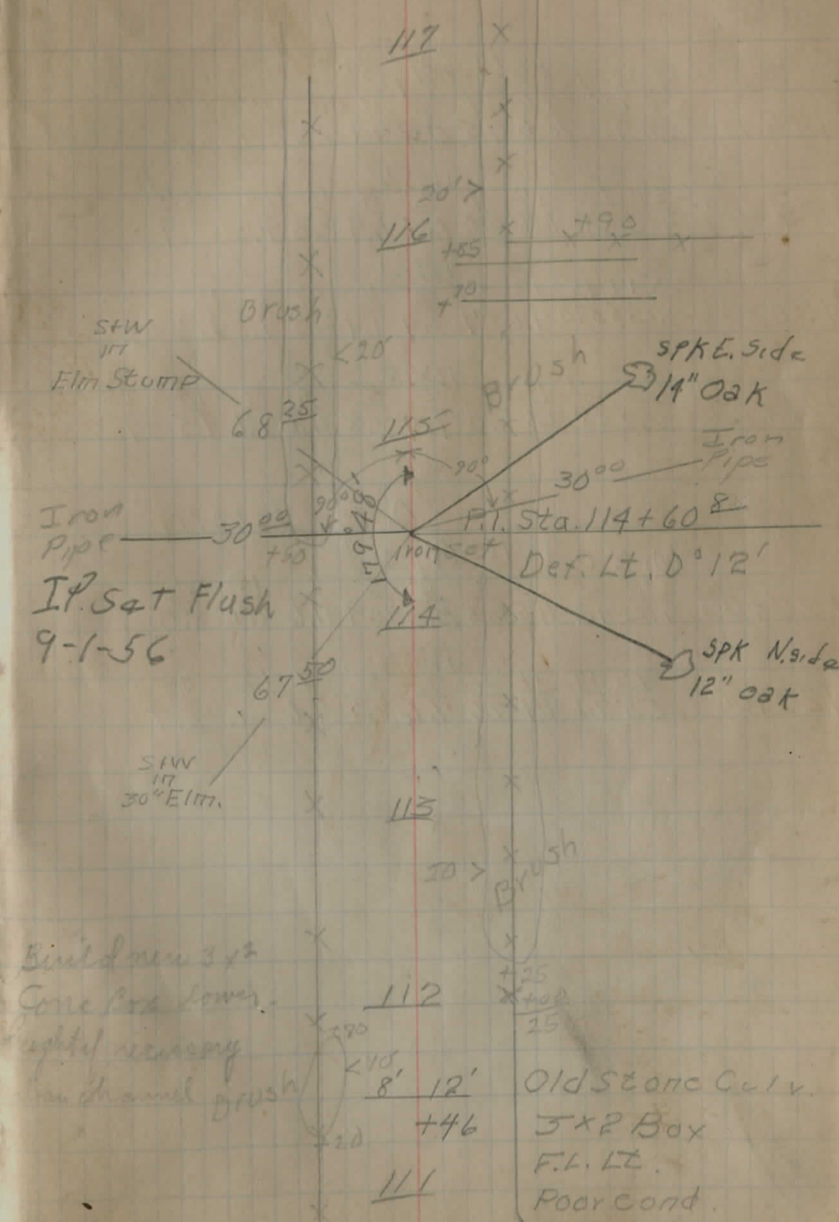
1245.7

116+00 | 25/4.1 | 13/4.5 | 6/7.9 | ℄/6.3 | 5/5.9 | 10/6.4 | 14/7.6 | 16/6.3 | 25/4.5

1249.3

117+00 | 25/0.0 | 16/0.4 | 8/4.3 | 5/3.4 | ℄/2.7 | 6/3.0 | 8/3.4 | 12/4.6 | 18/1.0 | 25/0.8

0.47 1251.57



9.97 1261.54 1252.6

	25	17	10	7	8	4	8	17	25	
118+00	6.6	2.2	10.6	9.5	8.9	9.4	11.2	6.4	6.2	

1255.4

	25									
	4.1	20	13	10	7	4	7	14	25	
119+00	4.2	8.0	6.8	6.0	6.1	6.7	8.3	4.2	3.9	

1258.1

	25	17	15	13	7	4	4	6	8	15	25
120+00	3.2	3.5	5.0	4.2	3.7	3.4	4.4	5.3	4.0	3.0	3.0

1259.6

	25	17	14	8	5	5	8	9	14	25
121+00	2.2	2.4	2.8	2.0	1.9	2.8	4.0	2.6	1.5	1.3

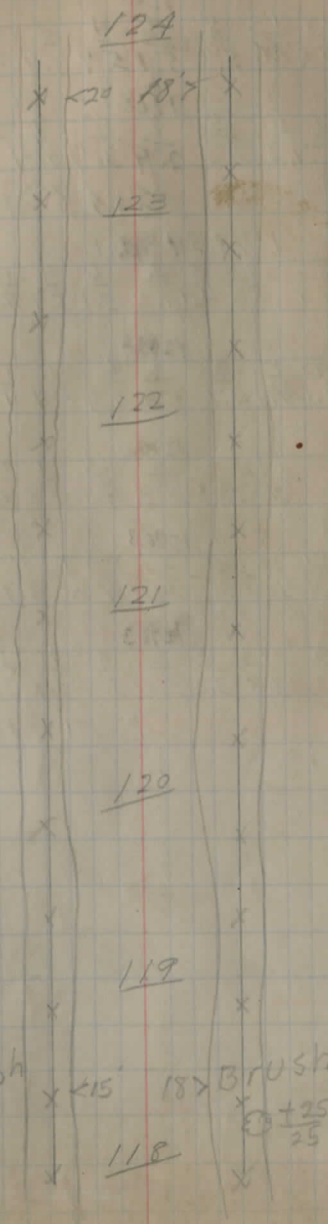
0.75 1260.79

10.20 1270.99 1260.7

	25	21	13	8	5	3	6	15	25	
122+00	9.2	9.3	11.6	10.3	10.3	10.9	11.6	8.4	8.0	

1263.4

	25	17	14	6	5	5	7	15	25	
123+00	25	7.1	4.4	7.6	7.6	8.5	9.6	5.6	5.7	



1265.9

124+00	25	15	13	5	9	4	8	11	18	25
	4.0	5.8	2.0	5.2	5.1	5.7	7.4	5.4	4.2	4.2

1268.1

125+00	25	20	14	11	5	5	5	9	20	25
	3.6	2.6	3.5	4.3	3.3	2.9	3.7	5.4	3.5	3.8

B.M #12 2.65 1268.32 1268.27

5.07 1273.34

1269.1

126+00	25	13	8	5	6	9	11	25		
	4.7	5.5	4.9	4.2	5.1	5.9	5.2	5.2		

1269.4

127+00	25	14	13	9	5	6	9	11	25	
	4.0	4.6	4.9	4.7	3.9	4.9	5.4	4.8	4.7	

1270.0

128+00	25	13	8	5	5	9	11	25		
	4.0	4.2	3.8	3.3	4.0	4.8	4.2	4.2		

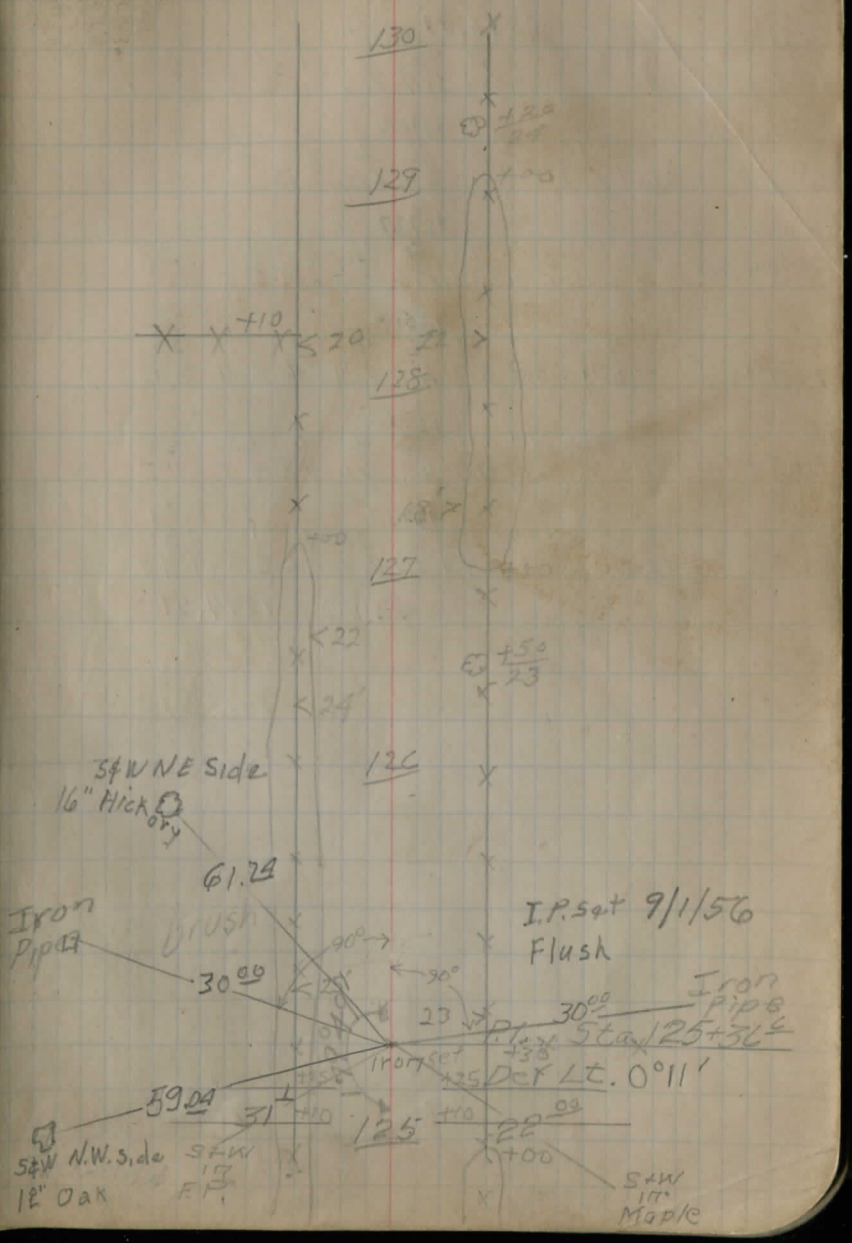
1270.3

129+00	25	17	12	6	5	6	9	11	18	25
	2.8	2.5	4.5	3.5	3.0	3.7	4.3	3.7	3.1	3.0

1270.3

130+00	25	13	7	5	6	10	12	25		
	3.3	3.8	3.2	3.0	3.3	3.8	3.5	3.4		

2.81 1270.53



5.78 1276.31 1270.4

131+00 25 17 9 6 9 11 25
6.7 6.3 6.4 5.9 6.5 7.0 6.5 6.4

1270.4

132+00 25 16 13 7 6 10 25
6.4 6.3 6.5 6.2 5.9 6.3 6.2 6.3

1270.7

133+00 25 15 13 10 6 5 8 9 25
6.3 6.0 6.1 6.0 5.6 6.0 6.4 5.8 6.2

1271.4

134+00 25 13 9 6 4 6 9 25
5.4 5.8 5.3 4.9 5.4 5.6 5.4 4.9

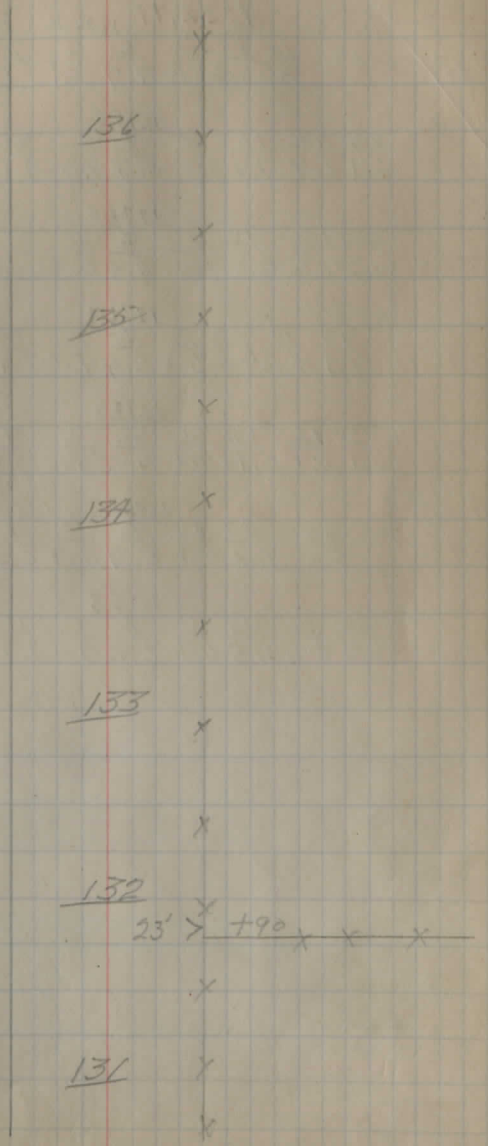
1272.2

135+00 25 22 14 9 6 2 6 10 25
4.2 4.2 4.8 4.6 4.1 4.6 4.8 4.3 3.3

1273.2

136+00 25 19 16 9 6 3 11 11 18 25
2.8 3.2 3.9 3.4 3.1 3.4 3.6 2.5 1.7 1.8

2.10 1274.21



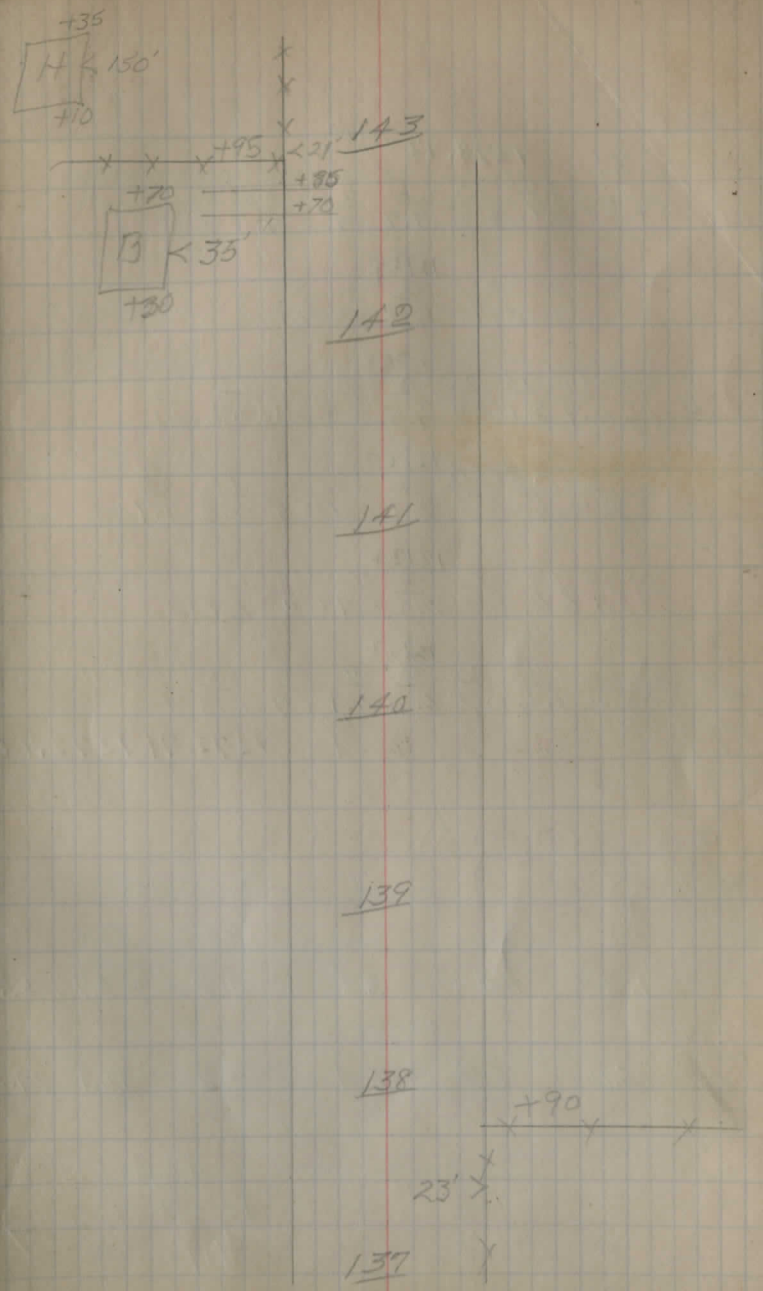
7.90 1282.11 1274.4

137+00	25 7.4	19 7.6	15 8.4	11 8.2	E 7.7	4 8.1	7 8.2	10 7.3	25 6.8
				1275.4					
138+00	25 6.4	20 6.4	13 7.5	7 7.0	E 6.7	5 7.0	8 7.1	12 6.4	25 5.7
				1276.1					
139+00	25 6.2	19 6.2	14 6.8	10 6.5	E 6.0	4 6.3	8 6.6	16 6.2	25 5.7
				1276.7					
140+00	25 4.9	16 5.6	13 6.2	7 5.8	E 5.4	6 6.0	7 6.1	12 5.6	25 4.7
				1277.2					
141+00	25 5.1	16 5.1	13 6.1	9 5.4	E 4.9	5 5.3	9 5.8	11 5.2	25 4.6

B.M #13 1276.4 5.97 1278.14 1278.13

142+00	25 5.8	13 6.6	10 6.3	E 5.7	5 6.3	9 6.5	13 5.5	25 4.7	
				1275.5					
143+00	25 6.3	17 6.6	14 7.5	11 6.9	E 6.6	5 7.0	11 7.2	15 6.3	25 6.0

6.40 1273.71



3.21 1278.92 1274.2 Road Intersection

Station									
143+90	150/8.4	100/7.4	50/6.1	25/5.5	℄/4.7 (1274.2)	25/4.4	50/4.0	100/3.5	
144+00	25/5.9	℄/5.0 (1273.9)	25/3.7						
145+00	25/4.5	19/4.7	16/5.1	12/5.0	℄/4.5 (1274.4)	4/4.8	7/5.1	13/4.4	25/3.1
146+00	25/5.0	13/6.0	12/5.6	℄/5.1 (1273.8)	5/5.4	9/5.5	16/4.3	25/3.7	
147+00	25/5.8	21/5.8	16/6.6	6/6.0	℄/6.0 (1272.9)	7/6.4	11/6.0	25/4.6	
148+00	25/2.5	22/2.6	14/7.2	7/6.7	℄/6.7 (1272.2)	5/7.4	8/6.7	25/6.3	

BM#14 B.M. 6.21 1272.71 1272.70

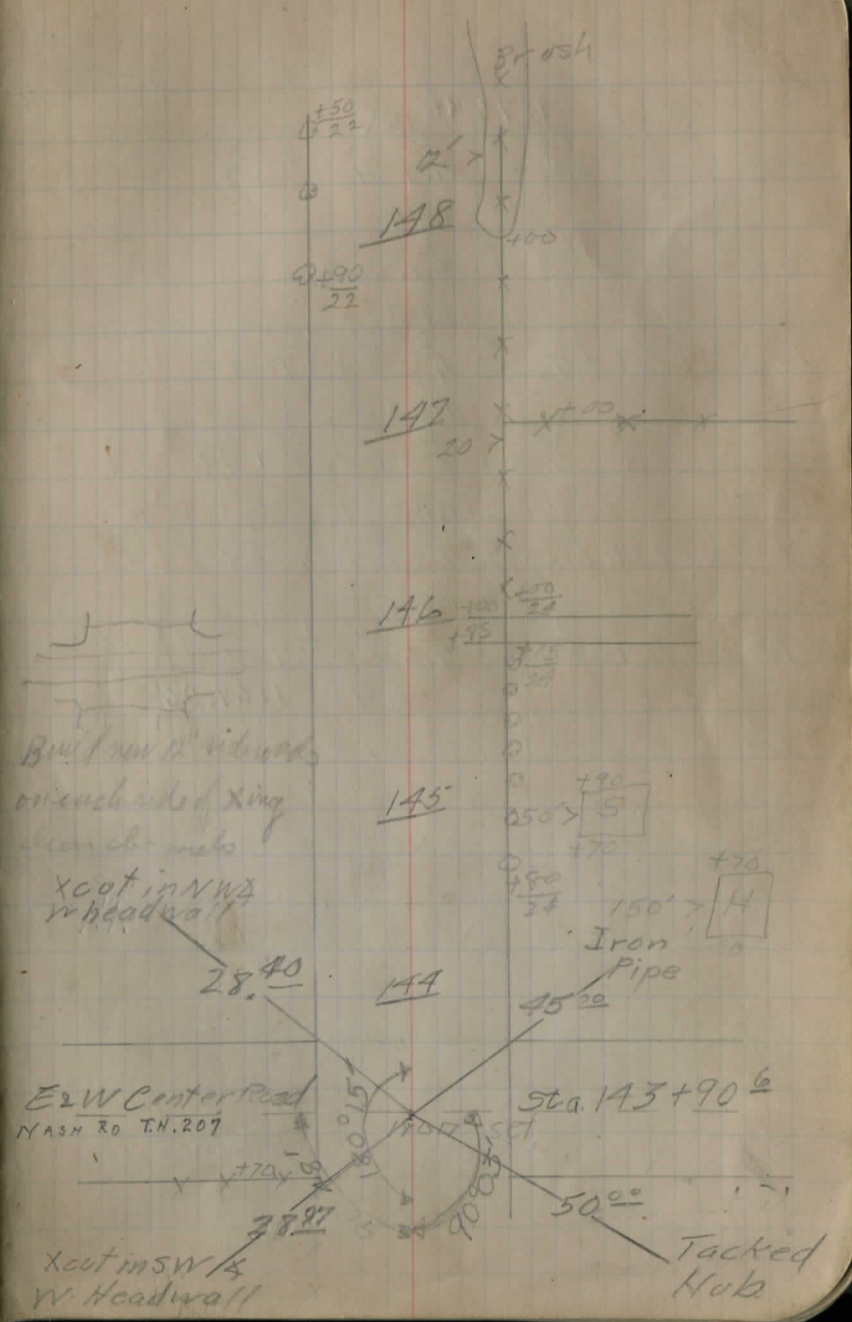
18' or 20' R turnouts at Nash

Profile N

	0+0	1+0	2+0	3+0	4+0	5+0	6+0
East	1.5	1.2	1.4	3.2	4.8	5.7	6.3
West		5.0	6.9	8.4	10.2	12.4	14.4

Fd. May 1956

I.P. Set Flush 9/1/56 →



3.76 1276.46

1272.1

149+00 25/5.0 15/5.0 8/4.6 C/4.4 15/4.2 25/3.9

1271.9

150+00 25/5.4 15/5.3 8/4.9 C/4.6 15/4.2 25/3.9

1271.7

151+00 23/5.0 21/4.7 14/5.7 9/5.3 C/4.8 9/5.1 17/3.9 25/3.8

1271.2

152+00 23/6.1 18/5.5 10/6.1 C/5.3 6/5.6 10/5.7 19/4.6 25/4.7

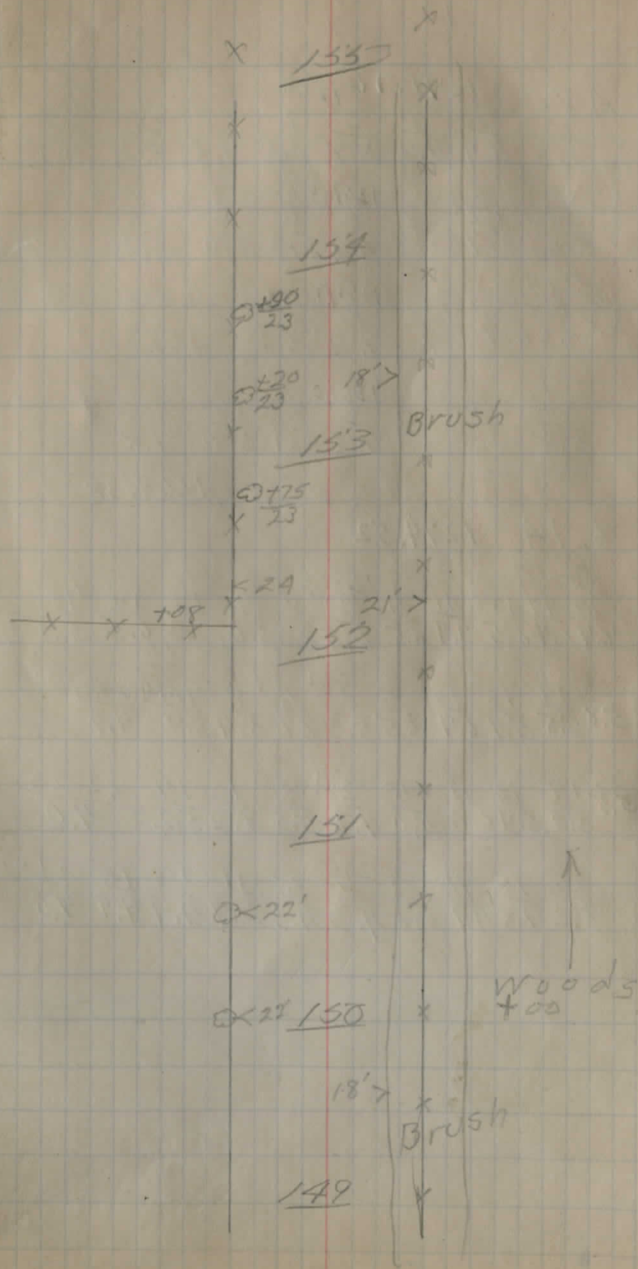
1270.4

153+00 25/6.4 14/6.8 10/7.0 C/6.0 4/6.5 8/7.0 13/6.5 18/5.3 25/5.3

1269.0

154+00 25/7.7 14/8.1 8/8.2 C/7.5 8/8.0 18/7.7 25/7.4

7.40 1269.06



1271.76

2.70 1271.76 1268.1

155+00 25/4.3 11/4.7 6/4.4 Ø/3.7 6/4.0 10/4.3 14/4.2 25/4.1

1267.2

156+00 25/6.0 17/5.7 8/5.5 Ø/4.6 6/5.0 10/5.0 25/5.1

Clear Channel

157/7.8 100/8.2 50/6.7 FL/5.7 1266.9

156+33 Ø/4.9 FL/6.8

1267.0

159+00 25/5.8 18/5.5 9/5.3 Ø/4.8 2/5.1 15/5.0 23/4.8 ← ELM

B.M.=15 1268.39 record

3.38 1268.38

6.14 1274.52

1268.0

158+00 25/6.4 19/6.4 13/6.5 11/7.9 4/6.5 Ø/6.5 8/8.0 9/6.6 12/7.3 14/6.5 19/5.3 25/5.1

1269.2

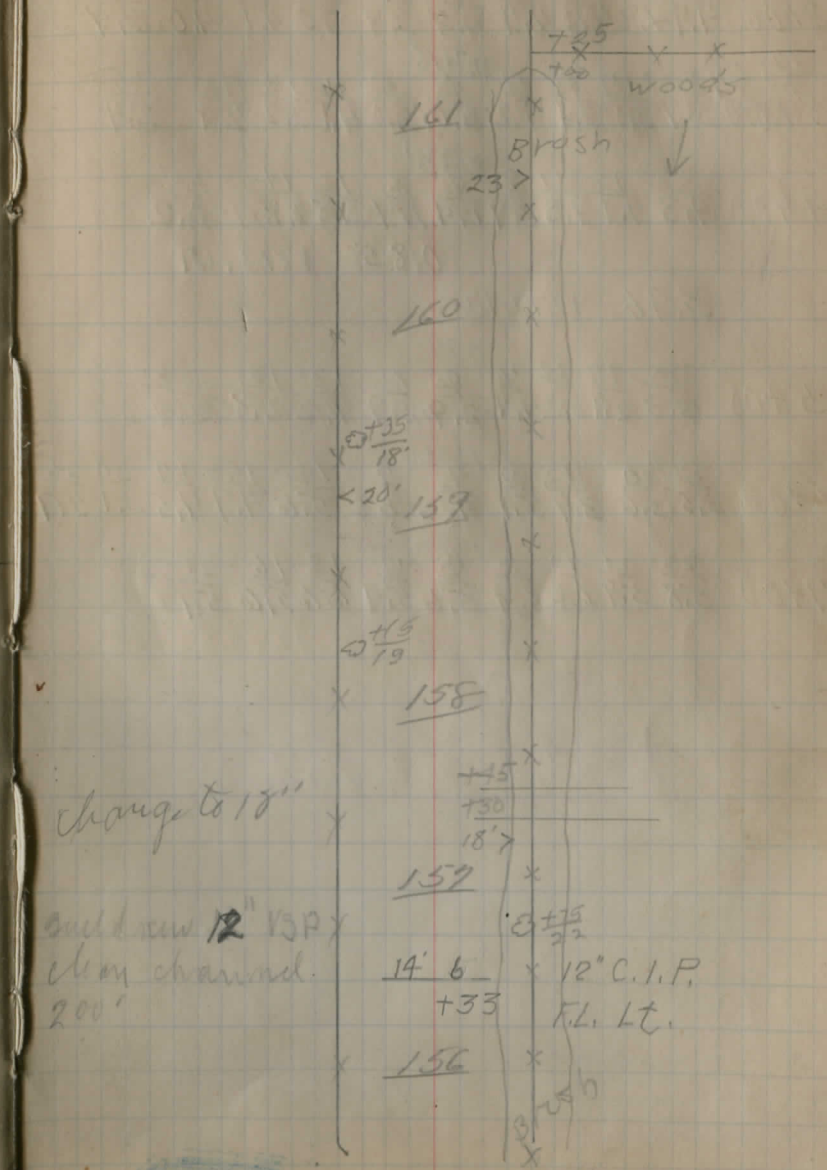
159+00 25/5.8 19/5.5 13/5.9 12/6.7 5/5.5 Ø/5.3 6/6.6 8/5.4 11-14/5.8 25/4.9

1269.9

160+00 25/5.3 19/5.2 13/5.4 11/6.0 5/5.0 Ø/4.6 8/5.5 10/5.2 17/5.2 22-25/4.0

1270.2

161+00 25/5.2 18/4.8 10/4.9 9/5.6 Ø/4.3 5/4.3 11/5.7 13/4.9 18/4.9 21-25/4.0



1274.52

1270.8

162+00	25 / 4.7	19 / 4.3	10 / 4.3	8 / 4.9	4 / 3.9	3 / 3.7	14 / 5.0	14 / 4.1	18 / 4.0	25 / 3.4

1271.5

163+00	25 / 3.4	17 / 3.8	9 / 3.4	4.2	5 / 3.0	5 / 3.0	11 / 4.1	13 / 3.2	18 / 3.1	25 / 2.4

1273.1

164+00	25 / 1.3	18 / 1.1	11 / 1.3	8 / 2.9	6 / 1.4	6 / 1.4	12 / 2.3	14 / 1.8	25 / -0.2	

0.85 1273.67

3.96 1277.63

1274.7

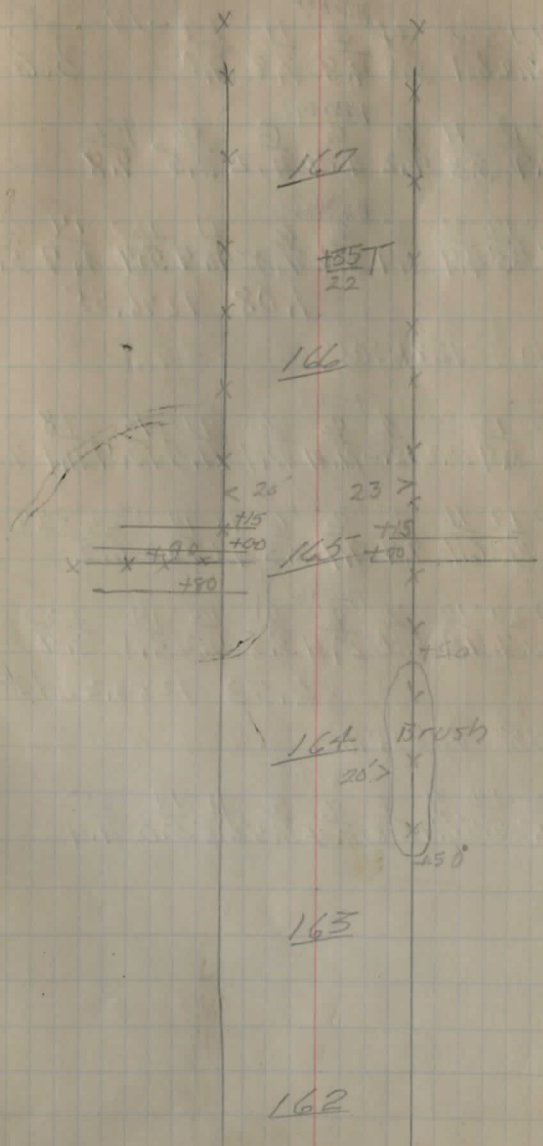
165+00	25 / 3.3	17 / 2.9	14 / 3.2	7 / 4.4	8 / 2.9	6 / 2.9	13 / 4.2	16 / 2.8	20 / 2.4	25 / -3.5

1273.4

166+00	25 / 3.6	20 / 3.6	13 / 3.9	9 / 5.1	7 / 4.2	7 / 4.3	13 / 5.6	15 / 4.7	19 / 4.5	20 / 3.1	25 / 2.9

1272.0

167+00	25 / 5.8	21 / 5.9	14 / 6.2	8 / 6.9	8 / 5.6	7 / 5.4	13 / 5.6	16 / 6.3	21 / 5.6	25 / 5.1



1277.63

1272.8
168+00 25/6.8 17/6.2 13/7.2 8/6.1 4/5.0 ₵/4.8 11/4.8 14-19/7.0 25/5.6

1272.9
168+07 15.0/9.0 10.0/8.7 5.0/8.2 FL/7.7 H/5.3 E/4.2 ₵/4.7 E/4.2 H/3.5 FL/7.8

1272.6
169+00 25/5.6 20/6.1 19/5.5 8/4.9 5/3.7 ₵/5.0 6/4.5 11/4.7 15/5.4 17/4.7 25/5.1

1.08 1276.55

9.50 1286.05

1274.6
170+00 25/8.3 15/8.7 8/10.2 4/12.2 ₵/11.4 6/11.1 11/11.5 16/12.7 18/11.1 25/9.5

1276.9
171+00 25/3.4 19/5.3 11/6.1 5/9.7 ₵/9.1 6/8.3 11/9.1 14/10.3 22/6.2 +25

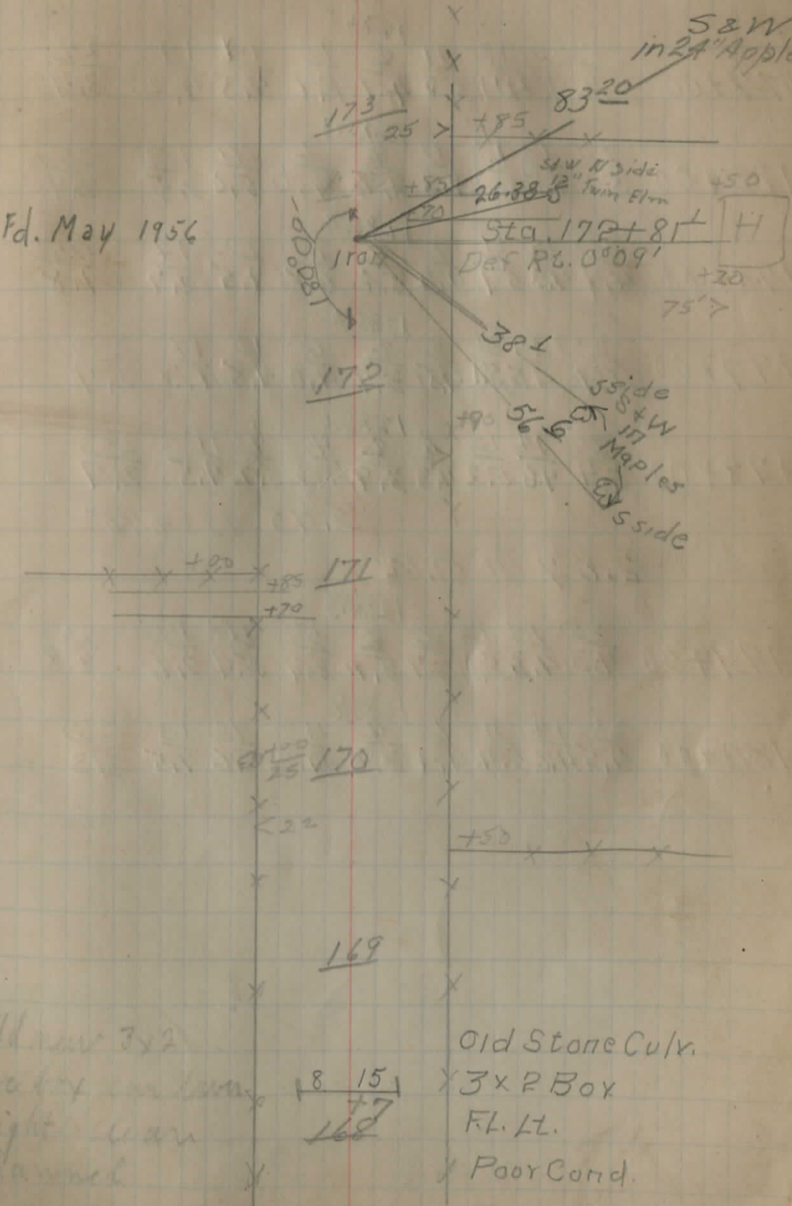
1280.6
172+00 25/3.7 20/3.7 10/4.4 7/6.4 ₵/5.4 6/3.5 13/7.2 14/5.1 25/3.4

BM #16 2.53 1283.52 1283.52

5.38 1288.90

1283.5
173+00 25/5.5 14/5.5 9/6.7 6/5.8 ₵/5.4 5/5.5 11/6.5 14/5.0 25/4.4

Fd. May 1956



1288.90

1284.8

	25	13	21	6	6	11	14	25
174+00	4.9	4.7	5.8	4.1	4.4	5.5	4.2	3.4

1285.3

	25	13	10	7	6	11	13	25
175+00	5.1	4.8	5.2	4.3	3.6	4.0	3.5	2.4

1285.3

	25	15	11	7	6	10	14	25
176+00	4.4	4.3	5.1	4.2	3.6	3.8	2.7	1.8

1285.2

	25	17	11	8	6	11	14	25
177+00	5.1	4.5	5.1	4.5	3.7	4.0	4.3	2.7

1285.4

	25	14	13	6	7	11	25	
178+00	5.4	4.6	5.2	4.3	3.9	4.3	5.2	4.5	2.7

3.95 1284.95

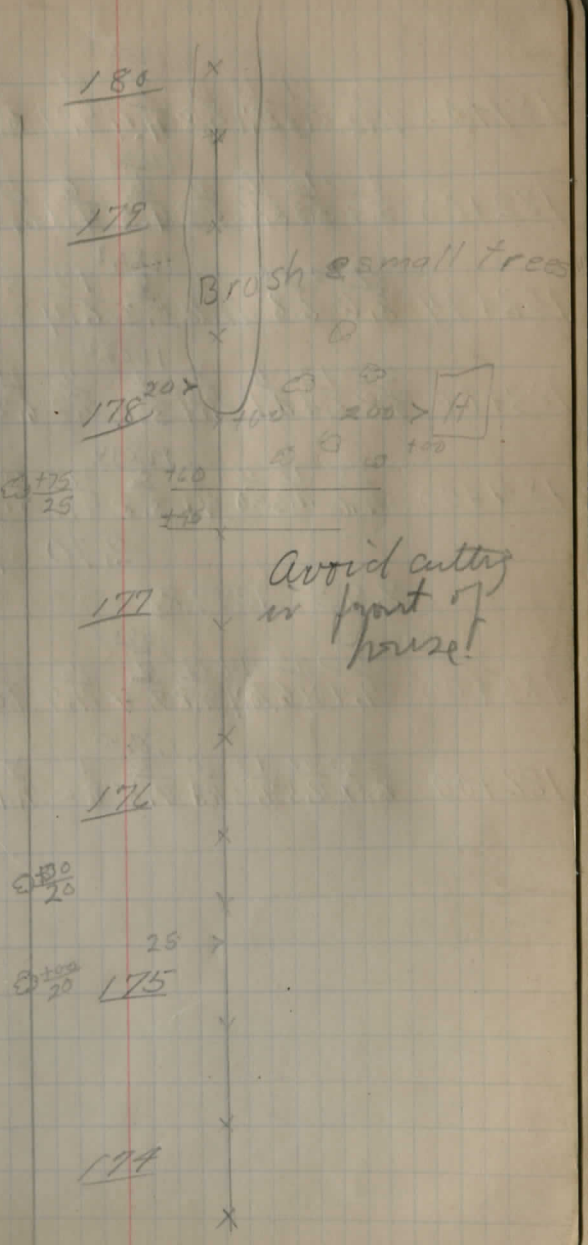
2.67 1287.62

1284.5

	25	15	13	6	8	5	11	15	25
179+00	4.3	4.3	5.1	3.7	5.1	3.7	5.1	2.6	2.8

1283.8

	25	14	11	6	8	4	10	13	25
180+00	4.5	4.6	5.4	4.4	3.8	4.2	6.6	4.5	3.3



H.I.

1287.62

1283.2

181+00 — 25/5.2 19/5.3 11/5.7 5/4.8 0/4.4 4/4.7 10/6.0 13/4.7 25/4.0

1283.1

182+00 — 25/5.3 12/5.3 9/6.4 6/5.3 0/4.3 6/4.9 10/6.2 13/5.4 25/4.6

1282.3

182+74 — 100/8.6 50/6.8 FL/6.6 0/5.3 FL/6.4

1282.4

183+00 — 25/5.8 13/5.4 11/6.1 8/5.4 0/5.2 9/5.2 11/6.2 15/5.4 25/5.1

1283.8

184+00 — 25/4.6 13/4.3 11/5.0 8/4.1 0/3.8 7/4.2 10/5.2 15/4.0 15/4.5 25/3.8

2.70 1284.92

8.93 1293.85

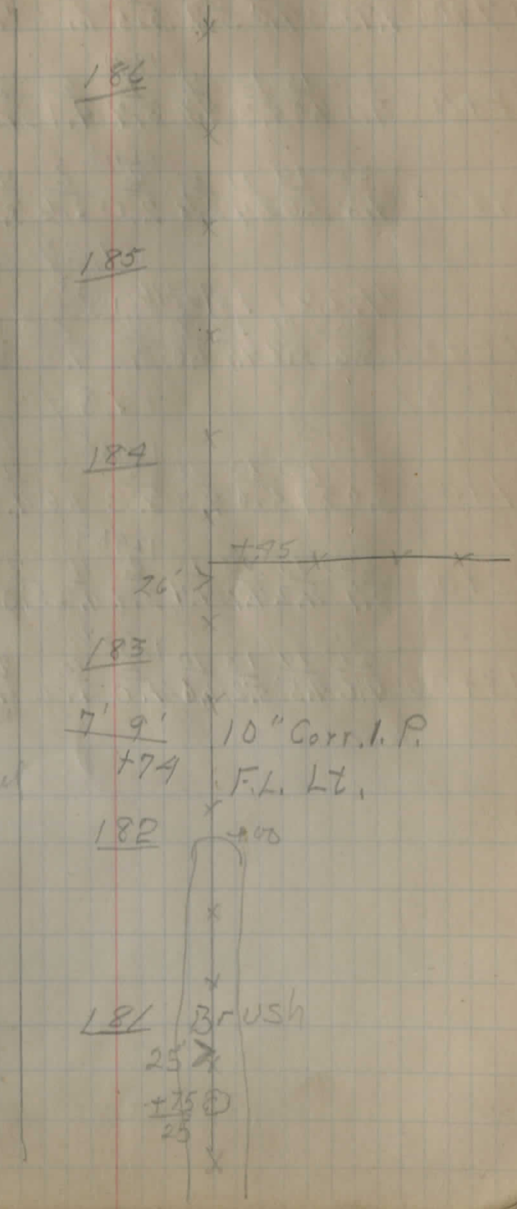
1284.4

185+00 — 25/9.4 13/9.6 14/10.9 9/9.8 0/9.4 5/9.9 8/10.8 14/9.0 25/8.9

1286.0

186+00 — 25/6.9 16/7.5 13/7.3 8/8.1 0/7.8 5/8.2 8/8.1 14/7.0 25/6.7

Build new 18"
VSP Clean ...
100 ft



H.I.
1293.85

1288.9

187+00 25/4.9 12/5.0 13/7.0 7/5.9 [illegible]/5.5 4/6.2 9/7.7 16/4.3 25/4.0

1290.1

188+00 25/4.0 15/4.0 12/5.3 9/4.4 [illegible]/3.7 5/4.1 9/5.5 13/4.3 18/3.2 25/3.0

1291.8

189+00 25/1.8 14/2.0 11/3.4 8/2.8 [illegible]/2.0 6/2.6 9/3.5 12/1.9 25/1.4

1.37 1292.48

4.28 1296.76 1293.2

190+00 25/3.6 14/3.8 13/4.5 9/4.0 8/3.6 6/4.2 8/5.0 10/3.8 25/2.5

BM#17 1.84 1294.92 1294.88

1293.5

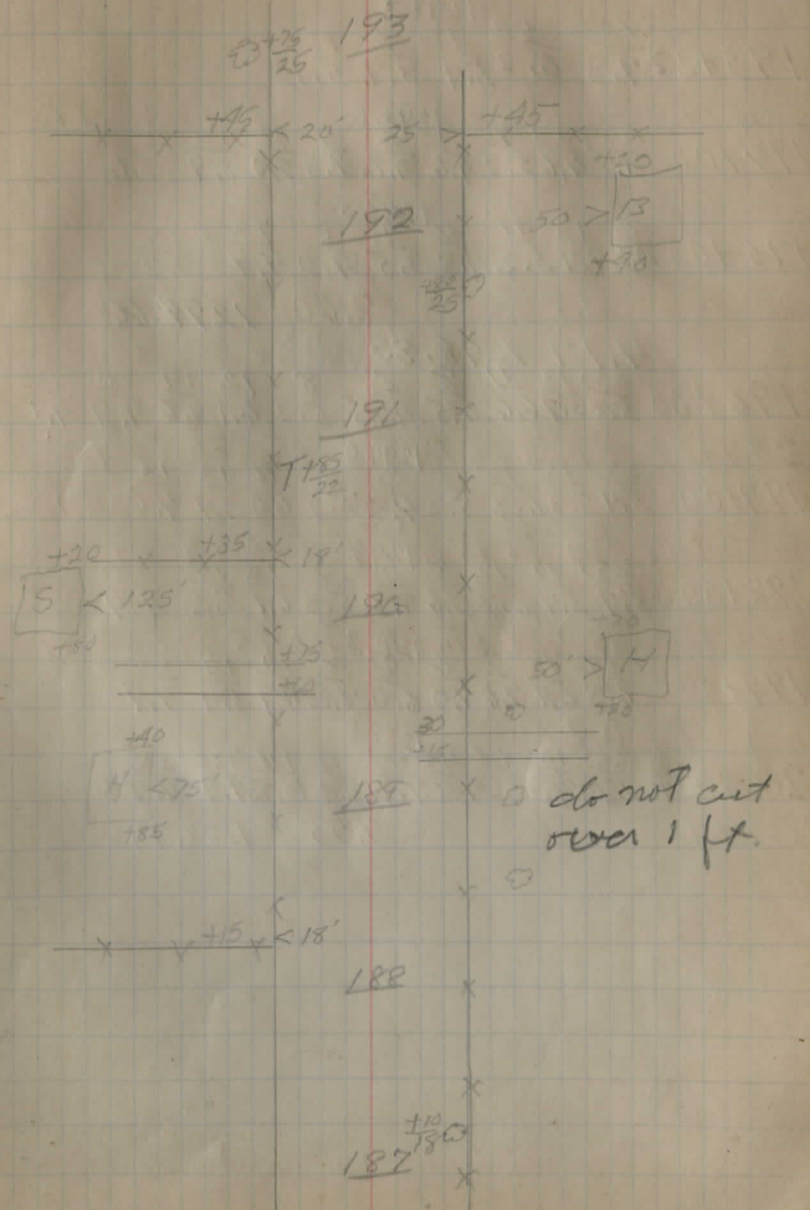
191+00 25/3.0 15/3.7 13/5.0 11/4.2 [illegible]/3.3 3/3.6 7/4.0 9/4.8 12/3.5 25/2.5

1292.9

192+00 25/3.1 15/4.2 13/4.9 10/4.4 [illegible]/3.9 4/4.2 7/5.0 9/4.2 16/3.7 25/3.1

1292.8

193+00 25/4.6 14/4.5 13/5.2 10/4.6 [illegible]/4.0 6/4.2 7-8/4.7 10/3.8 25/3.5



do not cut over 1 ft.

1296.76

1297.9

193+22 100/7.3 50/6.2 [illegible]/5.4 [illegible]/3.9 FL/5.1

1293.2 ✓

194+00 25/4.5 13/4.6 11/5.2 5/4.6 [illegible]/3.6 7/4.3 11/5.0 13/3.9 25/3.6

1293.3

195+00 25/4.3 13/4.4 11/5.2 7/4.3 [illegible]/3.5 5/4.0 13/4.4 25/3.2

2.60 1294.16

4.17 1298.33 1293.8

196+00 25/5.8 13/5.7 11/6.6 8/5.5 [illegible]/4.5 8/5.2 12/6.1 14/4.6 20/4.7 25/4.1

1294.0

197+00 25/5.4 13/5.3 12/6.3 8/5.2 [illegible]/4.3 9/5.2 11/6.0 13/5.4 16/4.6 25/3.9

1293.5

198+00 25/5.7 14/5.7 12/6.7 8/5.6 [illegible]/4.8 9/5.5 13/6.1 15/5.2 25/4.7

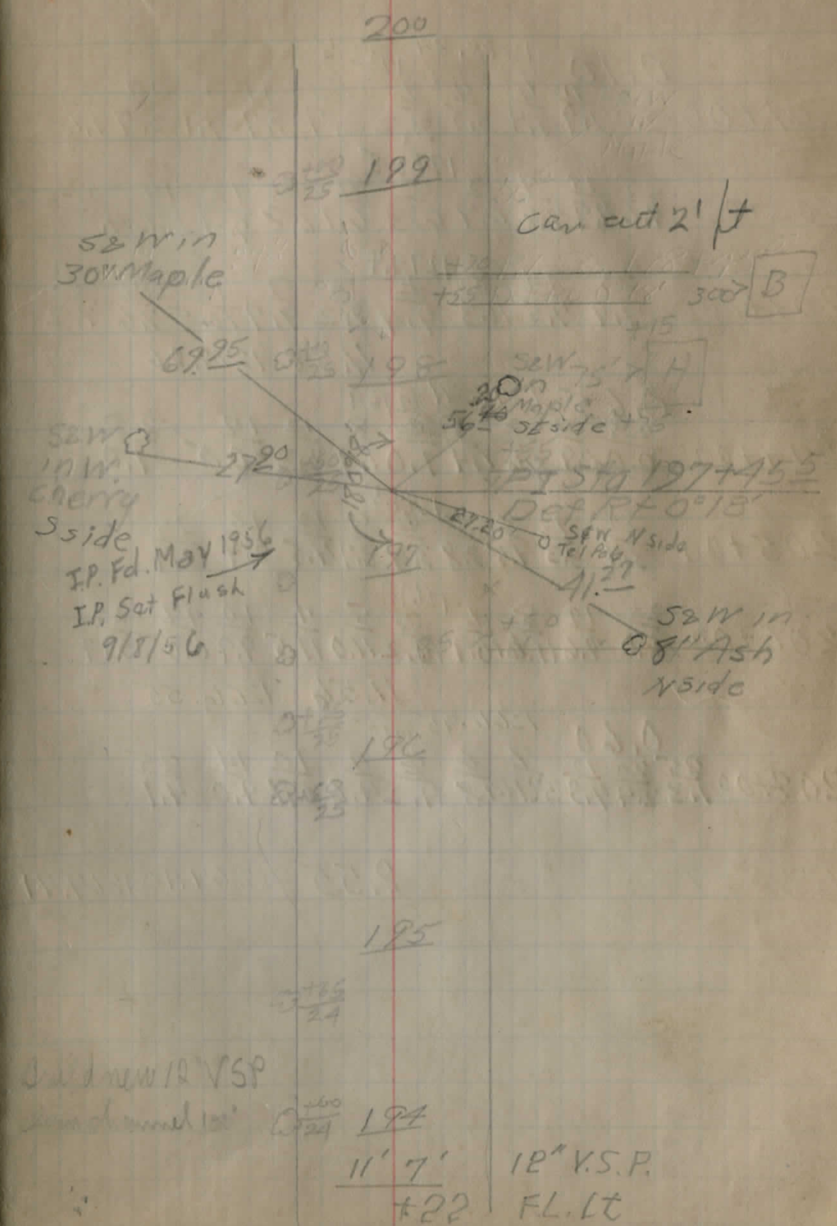
1292.3

199+00 25/6.3 13/6.4 [illegible]/7.6 6/7.0 [illegible]/6.0 8/6.2 10/6.9 13/5.4 25/4.9

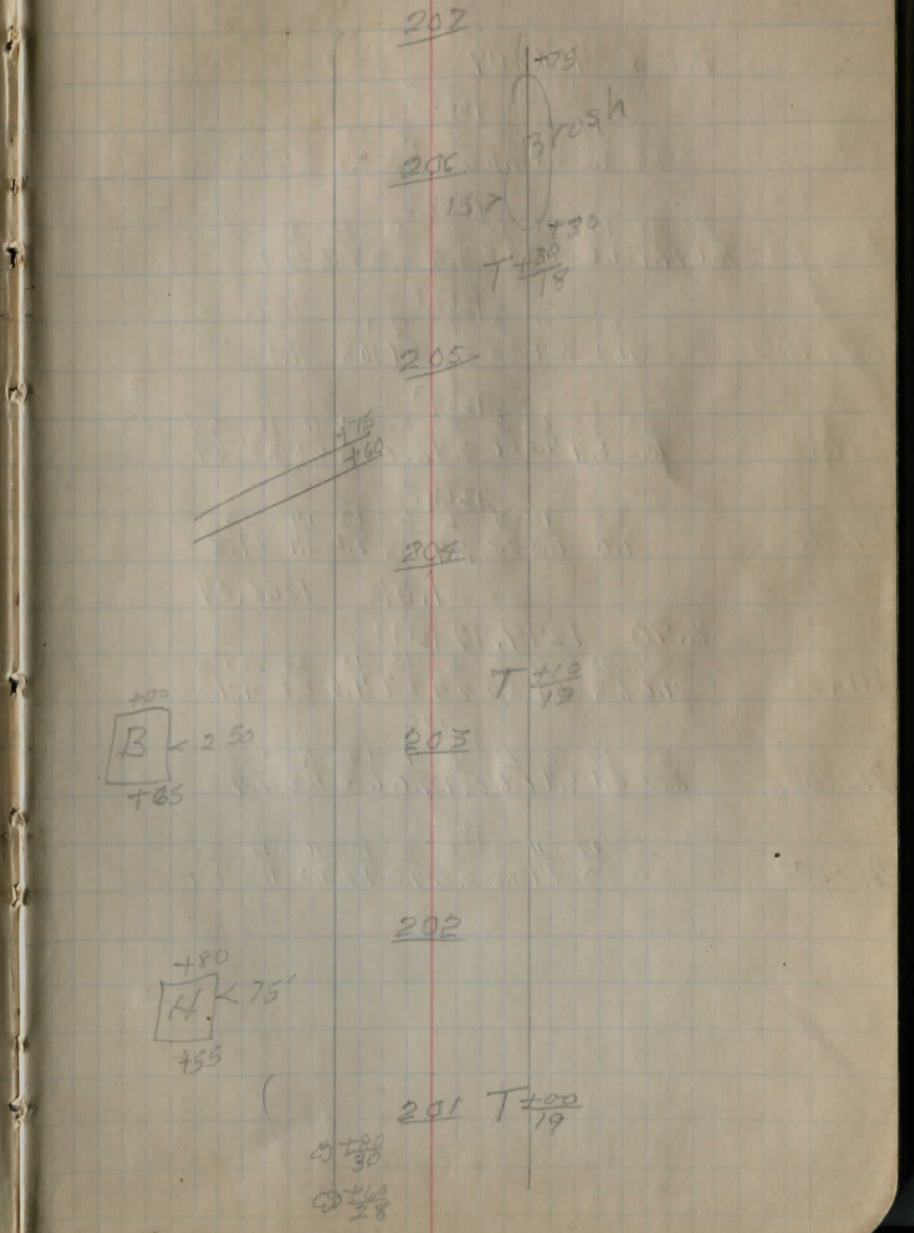
1288.8

200+00 25/7.7 13/8.5 6/8.9 4/9.8 [illegible]/9.5 11/9.6 14/10.2 18/9.9 25/9.4

BM #18 9.55 1288.74



	0.10		1288.84		1285.6						
201+00	2.0	1.9	4.4	3.5	3.2	2.7	3.7	4.1	2.7	1.6	
					1282.5						
202+00	4.6	4.9	7.8	6.7	6.3	6.1	6.8	7.4	5.0	4.3	
					1279.4						
203+00	7.4	7.5	10.3	9.4	9.2	9.7	10.5	7.6	7.2		
					11.58	1277.26					
	0.65		1278.91		1276.9						
204+00	0.0	0.9	2.6	1.4	1.0	1.3	2.3	-0.5	-1.0		
					1274.5						
205+00	3.4	3.3	4.5	3.8	3.4	3.7	4.5	3.4	2.1		
					1267.7						
206+00	8.0	7.6	11.6	10.9	10.2	11.0	11.5	9.9	6.0	5.4	
					11.56	1266.35					
	0.60		1266.95		1262.7						
207+00	1.3	2.4	4.3	5.7	4.8	4.2	4.6	5.1	4.0	4.1	
BM #19					2.55	1264.40	1264.41				



2.68 1267.09

1260.5

	23	17	10	5	9	9	15	16	25
208+00	6.6	7.2	7.9	7.1	6.6	7.2	9.9	8.7	9.0

1258.6

	105	30	FL	H	C	C	C	H	FL
208+93	16.0	14.7	14.6	7.3	8.5	8.5	8.3	7.6	14.8

1258.8

	23	11	5	C	9	17	25	
209+00	11.3	10.8	8.3	8.3	8.4	10.8	11.1	

1259.7

	25	22	13	7	5	5	10	11	16	25
210+00	10.2	8.4	7.2	8.0	7.4	6.9	7.2	7.5	2.5	4.9

1264.7

	25	10	4	2	6	13	14	23	
211+00	1.0	0.3	3.2	2.4	1.8	2.2	2.7	1.8	

1.02 1266.07

8.90 1274.97 1267.7

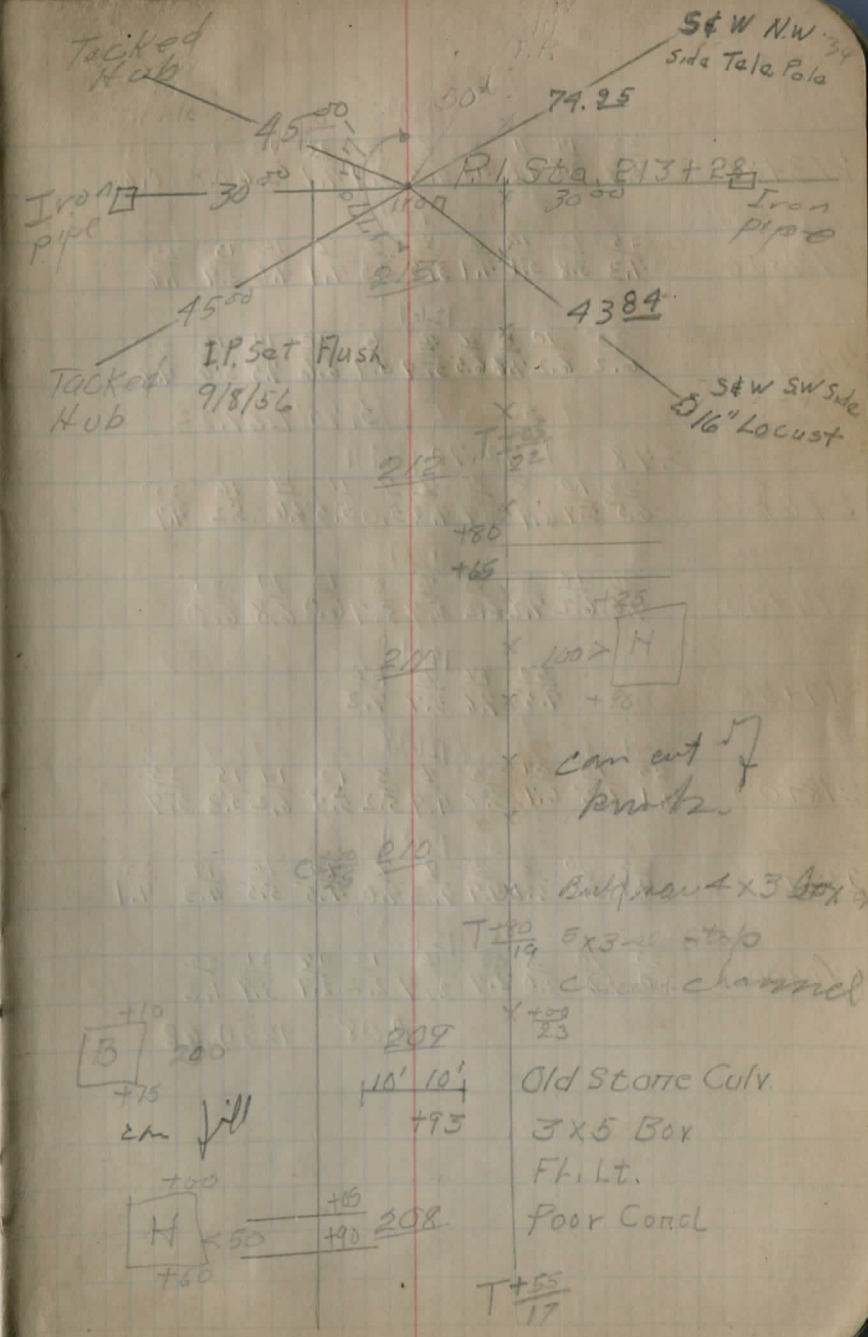
	25	12	9	6	9	13	15	20	25
211+50	7.6	6.8	8.4	8.2	7.3	6.7	7.6	5.6	4.7

1268.9

	25	12	7	6	9	9	13	16	25
212+00	6.7	6.1	7.4	6.8	6.1	5.0	6.8	5.2	4.4

1271.5

	25	14	11	8	C	6	10	11	14	25
213+00	3.8	3.0	4.7	4.2	3.5	4.0	4.7	3.5	1.3	0.7



HI
127497

1272.5

213+40 — 25/3.3 14/2.8 11/4.0 8/3.5 ℄/2.5 8/3.4 11/4.1 13/2.6 22/0.8 25/0.6

1271.5

214+00 — 25/4.3 13/3.8 10/5.1 6/4.1 ℄/3.5 5/3.5 9/4.1 12/4.6 13/2.9 25/1.6

1269.1

215+00 — 25/6.2 10/6.2 8/7.6 4/6.5 ℄/5.9 6/5.9 10/6.6 14/7.5 16/5.6 25/4.8

5.75 1269.22

3.48 1272.70 1267.9

216+00 — 25/6.5 10/5.9 8/6.4 5/5.4 ℄/4.8 7/5.0 11/5.5 14/6.6 16/5.2 25/4.7

1267.0

217+00 — 25/7.6 10/6.2 8/7.2 5/6.2 ℄/5.7 8/5.7 12/6.0 14/6.8 25/6.0

1267.0

217+38 — 50/9.5 FL/7.6 ℄/5.7 FL/7.2

1267.8

218+00 — 25/7.1 10/6.5 8.9/6.7 5/5.9 ℄/4.9 8/5.2 12/5.5 14/6.2 15/5.3 25/5.9

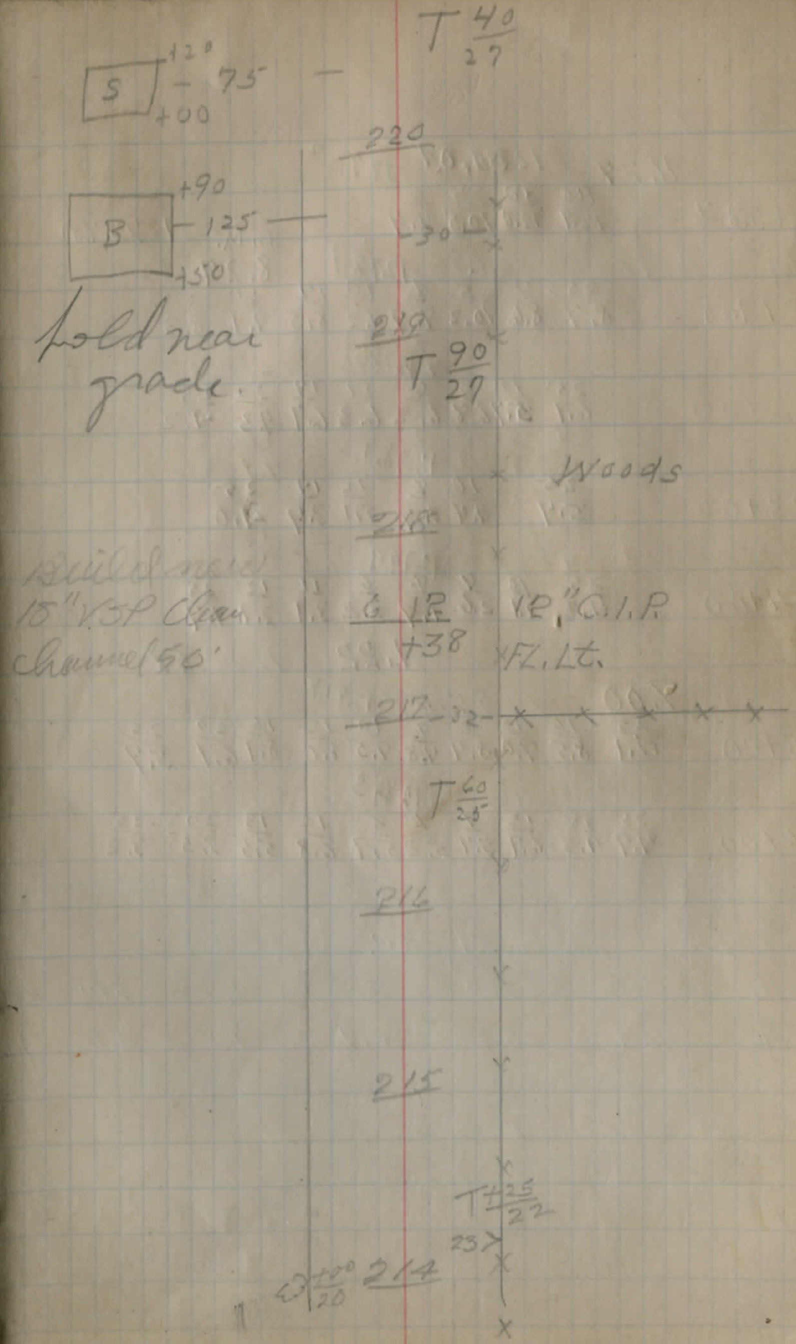
1268.4

219+00 — 25/4.9 10/5.0 8/5.6 5/4.9 ℄/4.3 9/4.0 13/4.5 16/5.5 19/4.3 25/4.1

1270.3

220+00 — 25/2.0 10/1.6 5/3.0 3/2.7 ℄/2.4 12/2.2 17/2.9 21/3.9 25/1.2

2.08 1270.62



11.27 1281.89 1272.2

220+53.7 100/12.9 50/12.0 25/10.5 ℄/9.7 B.M. 1273.60

BM#20 6.29 1281.80 1272.1 8.29 127360 1273.51

2.21+00 25/8.7 7/8.6 5/10.2 ℄/9.7 10/9.2 17/8.5 21/9.1 25/8.3

1275.6

222+00 25/6.1 10/5.7 8/6.8 ℄/6.2 11/6.3 17/6.7 22/4.3 25/4.2

1278.1

223+00 25/5.4 10/4.4 ℄/3.7 12/5.1 14/3.7 25/4.0

1279.9

224+00 25/4.2 10/2.1 9/2.6 ℄/1.9 6/2.2 11/3.1 12/2.1 25/1.7

1.22 1280.58

9.00 1289.58 1281.8

225+00 25/9.1 16/8.5 12/9.0 8/8.4 ℄/7.8 10/9.3 13/8.0 16/8.1 20/6.1 25/5.7

1284.3

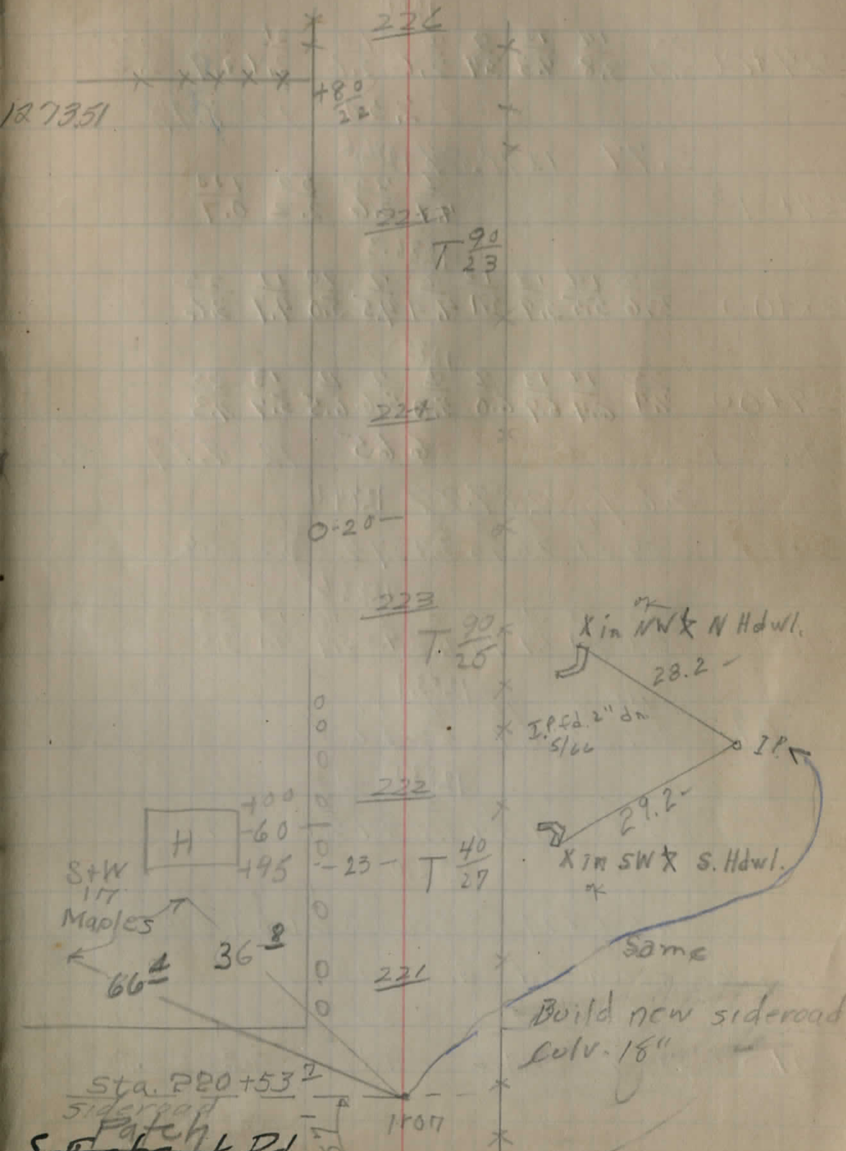
226+00 25/4.9 18/4.3 13/6.7 9/5.7 ℄/5.3 8/5.9 12/6.8 13/5.5 20/3.5 25/3.2

Profile Patch Rd W. (1955)

0+0	1+0	2+0	3+0	4+0	5+0	6+0
-.40	3.1	5.1	6.7	8.8	12.5	14.8

Typical sec. 12' traffic bound
3' berms
22' ditches

I.P. Fd May 1956
I.P. Set Flush



Springbrook Rd.
(F.C.P.)

128958

1287.0

227+00 — 2.50 — 1287.08

3.77 — 1290.75 — 1286.6

227+31.5

4.1 5.6 2.2 0.7

1286.3

228+00

1285.7

229+00

BM #21 — 6.65 — 1284.10 — 1284.10

3.67 — 1287.77 — 1284.4

230+00

OK 1283.6

231+00

1283.1

231+67

1283.1

232+00

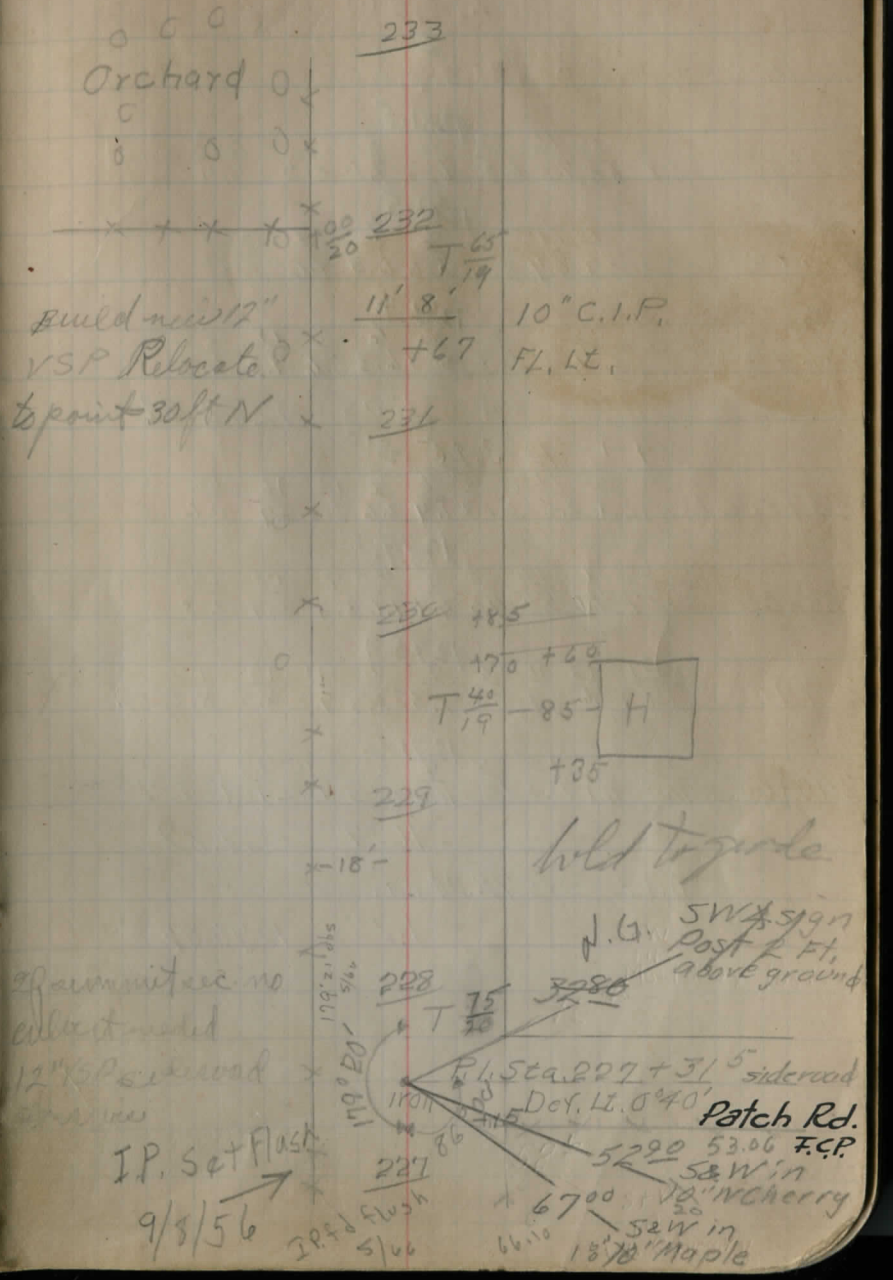
1282.0

233+00

Profile Patch Rd E. (1755)

0+0	1+0	2+0	3+0	4+0	5+0	6+0
24.0	17.8	14.2	9.1	4.2	.10	

Typical sec 24' ditches 15' traffic bound 4.5' berm



1287.77, 1281.9

	100	50	FL	℄	FL
233+48	9.9	8.6	8.3	5.9	8.0

1281.5

	25	16	16	13	℄	5	6	25
234+00	6.8	6.8	7.3	6.5	6.3	7.6	6.5	5.4

1282.5

	25	17	13	13	℄	6	12	25
235+00	5.3	5.4	6.4	5.5	5.3	6.3	4.6	3.8

1282.4

	25	℄	℄	6	8	18	25
236+00	5.7	5.3	5.4	6.3	5.6	4.3	4.2

5.05 1282.72

0.44 1283.16, 1281.8

	25	17	13	9	℄	9	12	16	25
237+00	2.1	2.6	3.0	2.2	1.4	2.6	2.3	6.9	0.6

1279.1

	25	17	11	8	℄	℄	9	17	25
238+00	3.7	4.6	5.5	4.5	4.1	4.6	5.4	2.7	2.3

1275.7

	25-15	13	11	6	℄	6	11	13	17	20-25
239+00	6.9	8.6	7.9	8.3	7.5	8.3	9.2	8.5	8.2	6.1

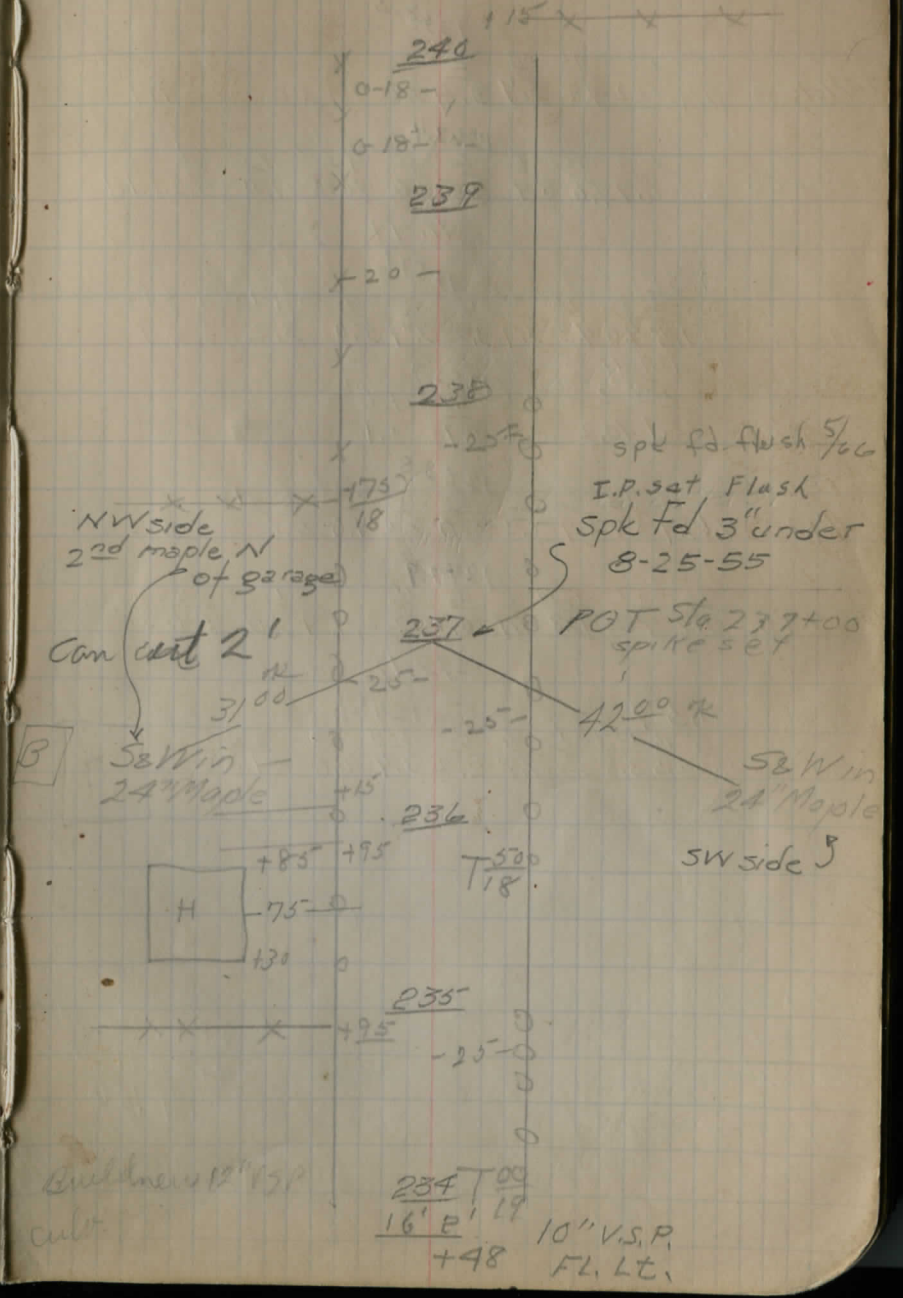
1271.6

	25	16	10	7	℄	5	11	14	20
240+00	11.0	11.1	13.3	12.3	11.6	12.3	13.2	12.1	11.7

11.37 1271.79

0.12 1271.91 B.M.

BM #22 1.29 1270.62 BM is OK



1271.91 1268.5

241+00	25 / 4.4	13 / 4.2	11 / 4.8	7 / 3.7	0 / 3.4	8 / 3.6	13 / 4.1	15 / 3.2	20 / 3.0	25 / 1.9

1263.4

242+00	25 / 6.6	21 / 6.7	13 / 9.6	8 / 8.9	0 / 8.5	8 / 9.6	11 / 10.8	14 / 9.0	21 / 5.2	25 / 4.7

11.41 1260.50

0.32 1260.82 1257.6

243+00	25 / 1.5	20 / 1.3	13 / 4.0	10 / 4.3	7 / 3.7	0 / 3.2	3 / 3.7	9 / 5.0	14-18 / 3.2	25 / 3.9

Lt. Ditch

1253.7

243+78	100 / 12.1	50 / 10.2	FL / 8.4	0 / 7.7	FL / 8.1

1252.8

244+00	25 / 7.6	13 / 2.7	12 / 8.8	8 / 8.9	7 / 8.3	0 / 8.0	2 / 8.0	5 / 9.0	12-18 / 6.6	25 / 5.2

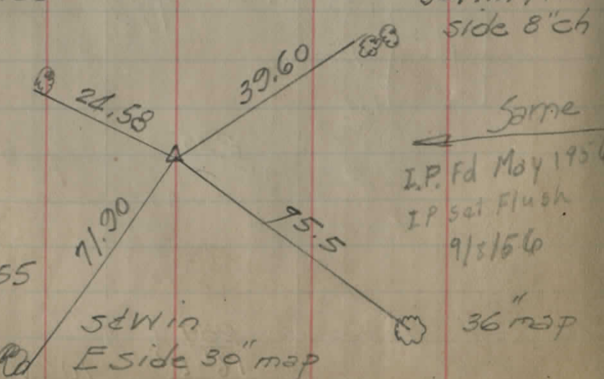
1249.9

245+00	25 / 9.2	13 / 9.2	13-14 / 12.8	9 / 11.1	0 / 10.9	4 / 12.2	8 / 9.7	15 / 2.0	25 / 6.0	

12.12 1248.70

0.57 1249.27 OK 1247.1

246+00	25 / 1.0	16 / 2.5	13-14 / 3.8	10 / 2.6	6 / 1.8	0 / 2.2	3-4 / 3.4	13 / 0.0	25 / -1.2



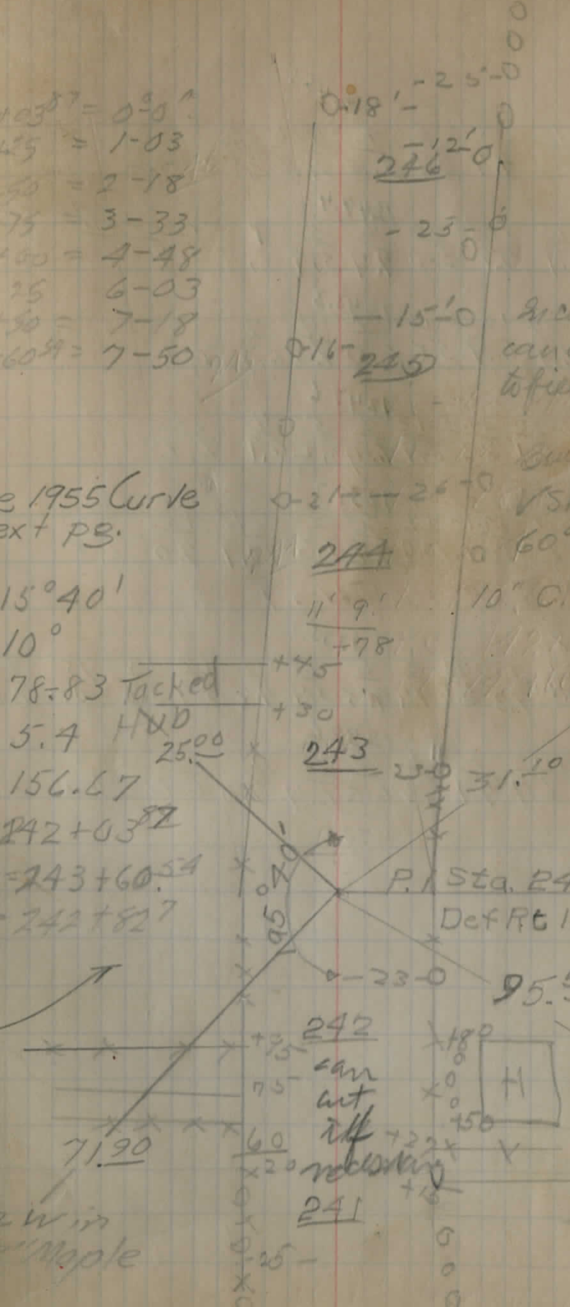
242+82.7
Pin fd &
raised with
I.P. to near
Flush 8-25-55

I.P. Fd May 1956
I.P. set Flush
9/3/56

242+03.87 = 0°-0'
+25 = 1-03
+50 = 2-18
+75 = 3-33
243+00 = 4-48
+25 = 6-03
+50 = 7-18
+60.54 = 7-50

See 1955 Curve
next pg.

$\Delta = 15°40'$
$D = 10°$
T = 78.83 Tacked Hub
E = 5.4
L = 156.67
P.C. 242+03.87
P.T. = 243+60.54
P.I. = 242+82.7



Discontinue if
can carry drainage
to field to NW

Build new 18"
VSPH ditch
60° Lt Fd

10" C.I.P.

1249.7 1245.5

247+00 4.1 4.2 4.7 3.9 3.8 4.6 4.2 3.3 ✓

1244.4

248+00 5.8 5.1 5.7 5.0 4.9 5.9 5.5 5.9 ✓

1243.3

249+00 6.8 6.1 6.9 5.8 6.0 6.8 6.2 6.6 ✓

1242.6

250+00 7.0 7.1 8.3 6.9 6.7 8.2 6.9 6.6

1239.7

251+00 6.7 10.9 10.0 9.6 9.6 10.1 7.0 6.8

11.39 1237.90

1.68 1239.58 1235.1

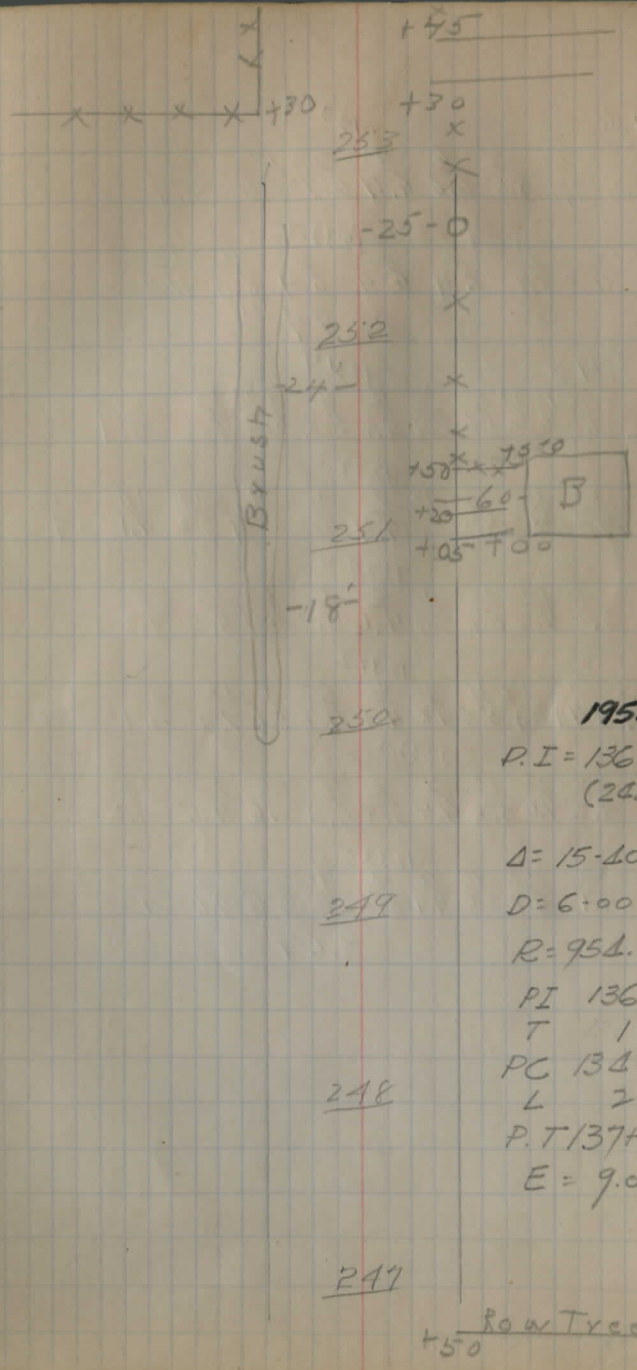
252+00 2.0 2.0 4.3 5.6 4.9 4.5 3.9 4.8 3.9 3.3 0.8 6.4

1233.6

253+00 7.0 6.9 7.4 6.3 6.0 6.4 7.0 6.6 6.8

existg Super P.I curve

6.56	6.36	6.36	6.7	7.1
West	5	10	15	20
				E



1955

P.I = 136+15.7
(242+82.7)

Δ = 15-40

D = 6+00

R = 954.93

PI 136+15.70
T 1 31.38
PC 134+84.32
L 261.11
P.T 137+45.43
E = 9.00

123958 1232.9

BM #23

1233.2

5.97 1233.61 BM is OK

3.43 123704 1231.4

1232.6

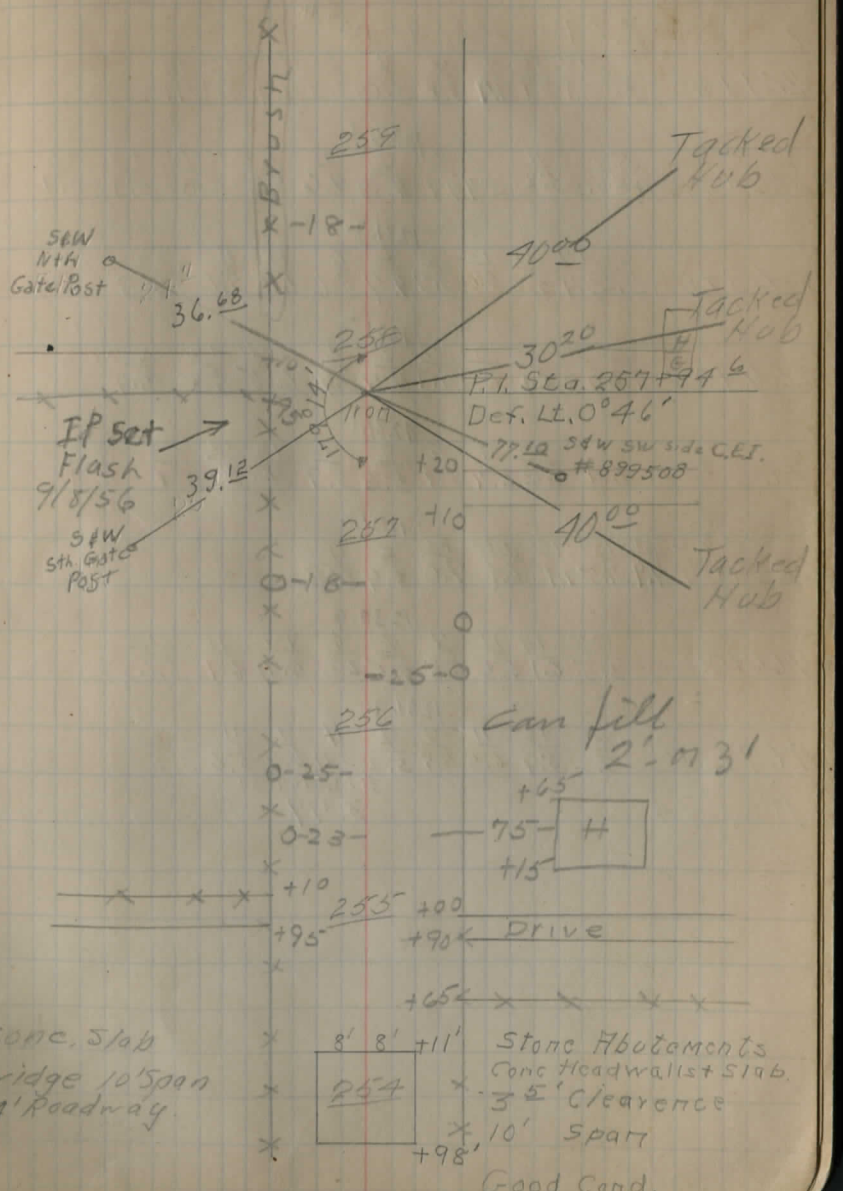
1232.4

1232.8

1233.2 OK

1233.5

3.67 123337



3.01 1236.38 1233.4

261+00 25 2.8 17 3.1 11 3.9 9 4.9 7 3.8 9 3.0 6 3.3 9 4.4 13 5.1 13 4.0 25 3.8

1232.1

262+00 25 4.8 20 5.0 11 5.2 8 5.7 6 4.9 8 4.3 4 4.6 8 5.3 11-12 6.0 13 5.1 25 5.1

1231.7

263+00 23 5.2 17 5.4 11 5.2 10 5.8 8 5.7 8 4.7 6 5.6 9 6.0 11 5.6 25 6.3

1231.7

264+00 25 4.2 20 4.3 13 6.1 11 6.4 7 5.7 8 4.7 6 5.4 10-11 6.5 13 5.8 25 5.4

1231.1

265+00 25 6.1 13 6.3 9 6.7 6 5.7 8 5.3 8 5.9 10-12 6.3 13 6.1 25 6.1

1231.0

265+07 25-0 8.2 20.0 7.9 15 7.5 10 7.1 6.0 6.8 FL 7.0 6 5.4 FL 6.6

1230.9

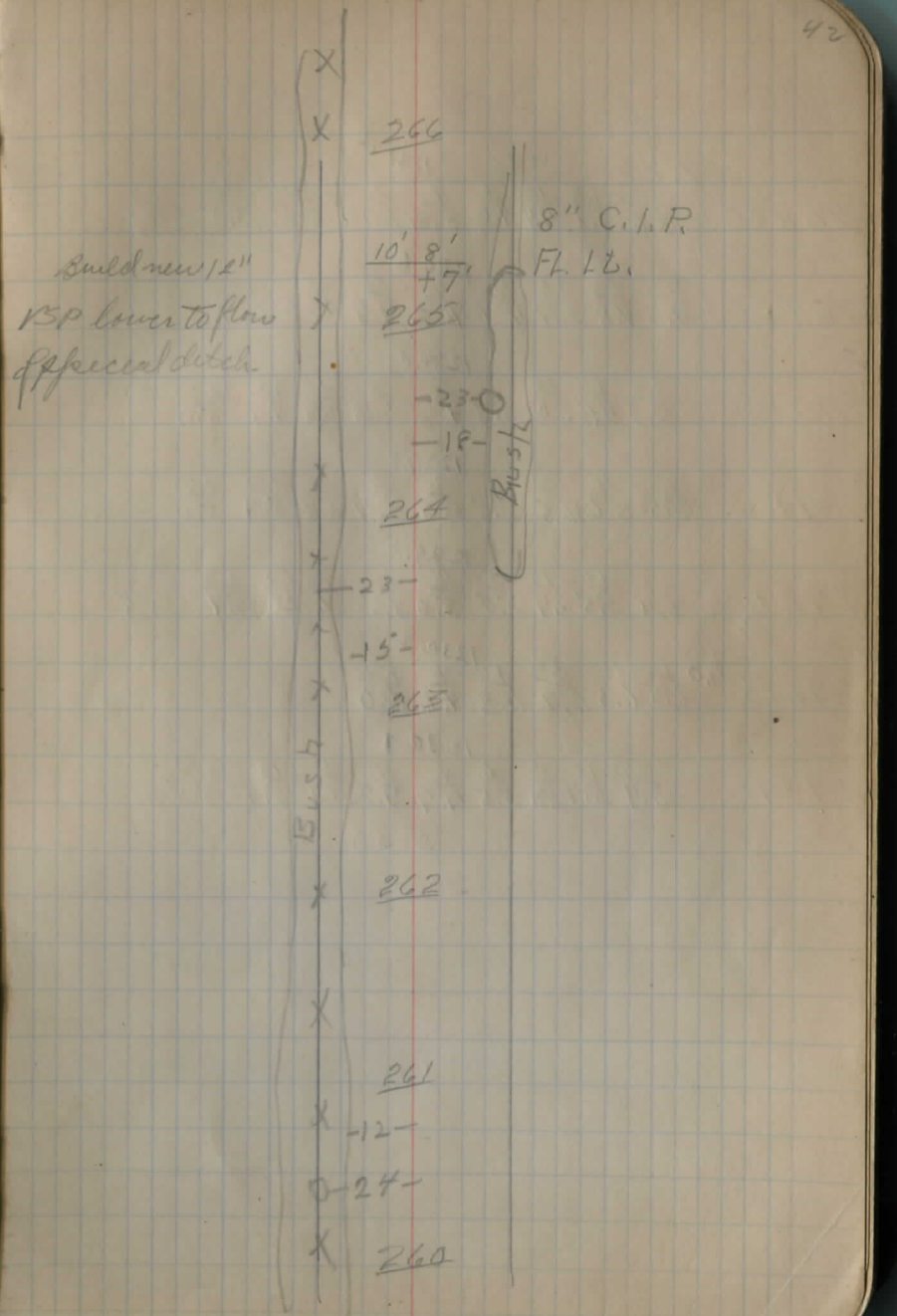
266+00 25 5.3 14 6.1 11 6.5 7 5.8 8 5.5 6 6.0 8-10 6.7 11 6.1 25 5.6

1231.2

267+00 25 5.2 12 5.9 11 6.5 7 5.5 8 5.2 7 5.0 9 6.3 11 5.6 25 5.2

BM. 267+30 3.177 1232.61

BM #24 BM is O.K.



2.22 1234.83 1231.4

268+00 25/3.6 13/3.8 10/4.9 6/4.0 0/5.4 5/3.8 9-10/5.0 11/3.8 25/6.6

1230.6

269+00 25/4.3 13/4.8 10/5.7 4/4.7 0/4.2 7/4.9 10/5.5 12/4.4 25/3.3

1230.0

270+00 25/5.3 11/5.4 10/6.0 7/5.5 0/4.8 8/5.3 10/5.8 13/5.2 25/5.0

1229.8

271+00 25/5.5 10/5.6 7/6.5 6/5.6 0/5.0 9/5.4 11/6.3 13/5.4 25/5.0

1229.8

272+00 25/3.4 11/5.5 10/6.7 5/5.5 0/5.0 8/5.5 9-10/6.2 12/5.7 25/5.5

1230.2

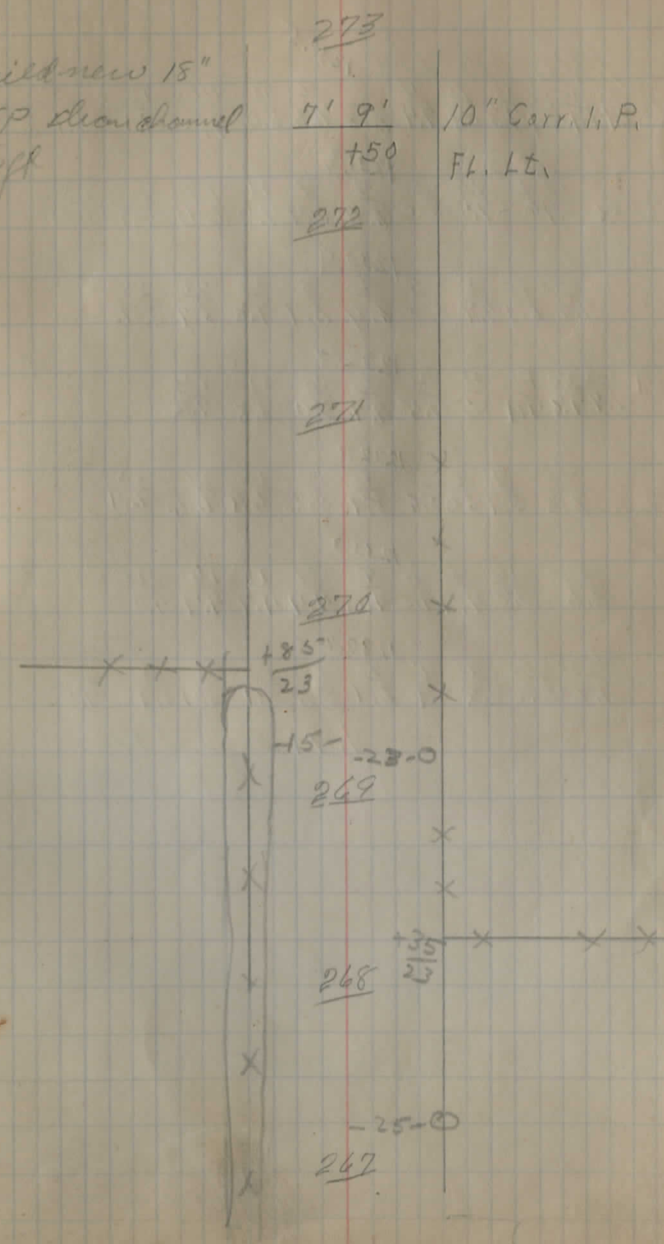
272+50 300/7.0 150/6.5 100/6.3 50/6.2 FL/6.3 0/4.6 FL/6.0

1230.1

273+00 25/5.7 11/5.4 10/5.7 6/5.5 0/4.7 9/5.2 13/6.1 14/5.2 25/5.5

5.30 1229.53

Build new 18"
VSP drain channel
500 ft



277.5 1237.28 1230.5

274+00 25/2.4 20/6.1 16/7.4 11/7.3 10/8.1 4/7.4 ℄/6.8 7/7.3 11/8.0 14/7.2 18/7.1 22/6.1 25/6.0

1231.3

275+00 25/5.6 19/5.7 13/6.2 10/7.5 5/6.6 ℄/6.0 9/6.7 11/7.8 19/6.6 23-25/5.1

1230.9

276+00 25/7.0 10/6.7 8/7.7 5/6.8 ℄/6.4 8/6.9 13/7.8 21/6.7 25/6.6

1232.4

276+66 203/9.0 150/8.1 103/7.7 50/7.8 FL/7.4 H/3.5 G/4.5 ℄/4.7 C/5.0 H/3.8 FL/7.2 ← Ck OK

1232.2

277+00 25/6.3 9/5.7 8/6.0 5/5.6 ℄/5.1 10/5.6 15/6.4 21/6.6 25/6.4

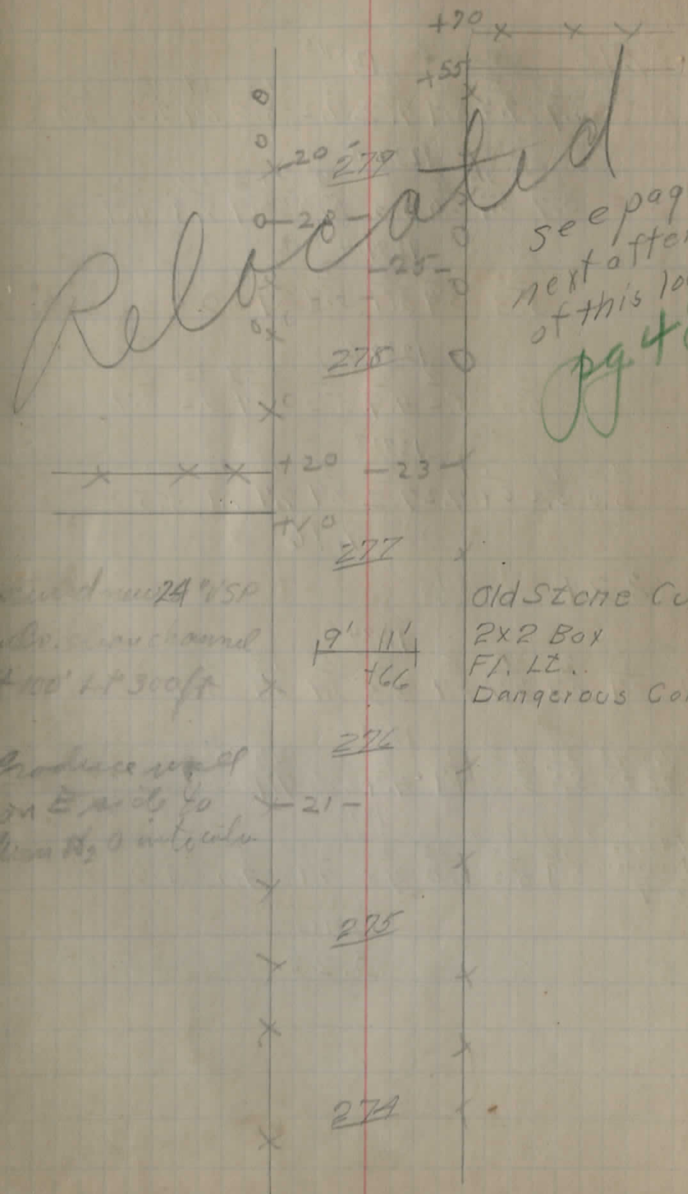
1233.3

278+00 25/3.6 16/3.8 6/4.7 3/4.2 ℄/4.0 9/4.4 11/4.9 16/4.7 21-25/4.0

1235.2

279+00 25/1.2 20/2.2 7/2.8 4/2.4 ℄/2.1 6/2.0 10/2.7 14/2.4 19/1.7 25/1.5

1.91 1235.37



Relocated

see pages next after end of this location pg 48

Old Stone Culv.
2x2 Box
Fl. Lt.
Dangerous Cond.

[illegible] 24" CSP
[illegible] channel
[illegible] 300 ft

Produce wall on E side to [illegible] H_2O into culv.

9.10 1244.47 1237.3

280+00 25/6.7 8/7.5 6/8.4 0/7.2 7/7.2 12/8.0 14/7.4 18/7.5 25/6.0

1239.0

281+00 25/5.7 13/5.7 6/6.0 0/5.5 7/5.5 13/5.7 19/5.3 25/4.7

1239.4

282+00 25/5.3 5/5.4 0/5.1 7/5.7 9/5.4 12/5.0 25/4.5

1239.6

283+00 25/3.3 4/5.2 0/4.9 6/5.2 8-9/5.4 12/4.2 25/2.7

1237.3

284+50 25/3.3 14/5.2 7/6.9 5/7.2 0/7.2 8/7.4 11/7.7 12/7.1 25/5.5

9.16 1235.31

2.21 1237.52

1234.0

284+75 25/0.7 21/0.7 15/2.7 6/3.7 0/3.5 5/3.4 14/3.7 25/3.7

1233.1

285+00 45/3.6 40/3.8 30/5.5 25/5.2 18/4.7 0/4.4 25/4.1

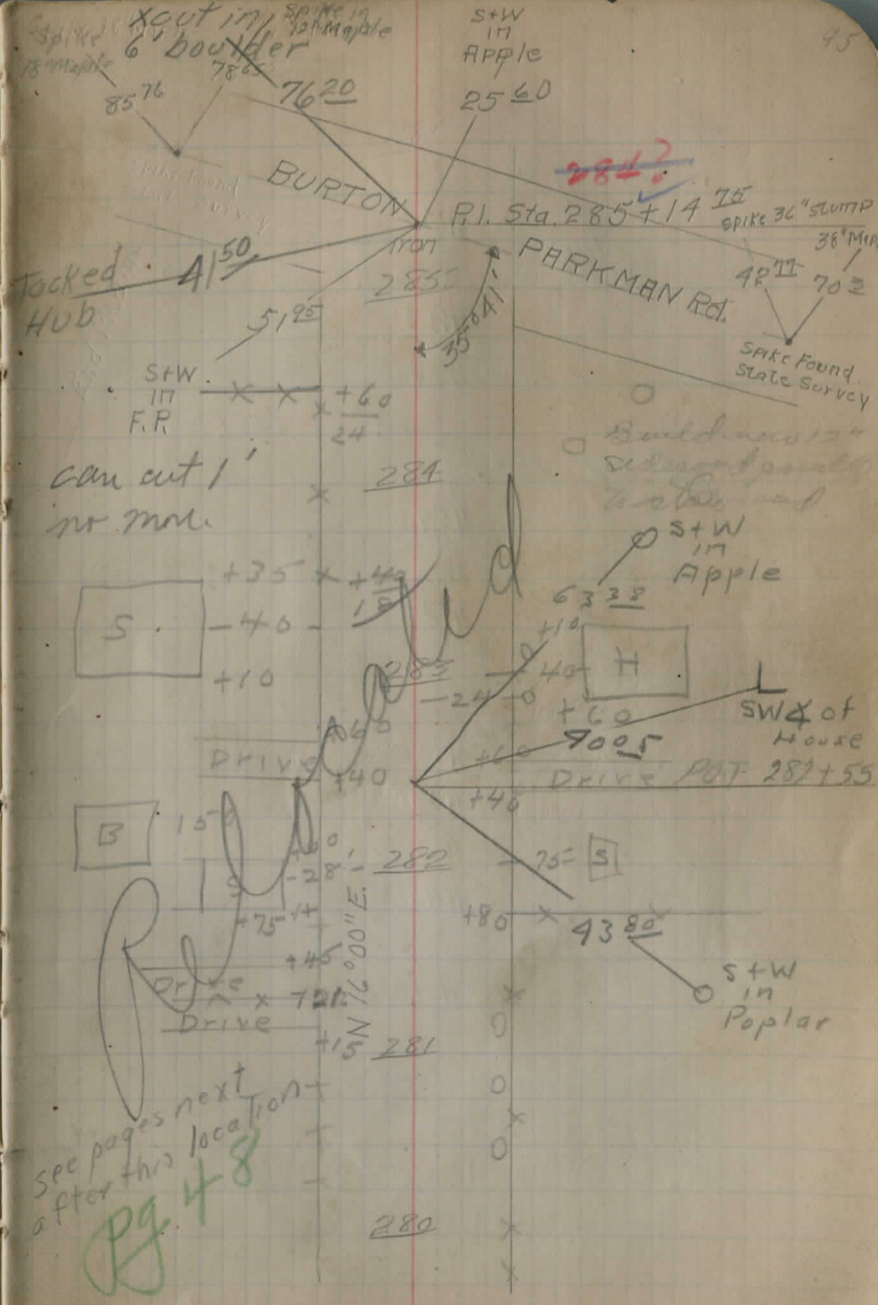
1232.7

Road Intersection

285+17 Edge of Macadam/5.7 100/5.9 50/6.5 25/5.0 0/4.8 25/4.1 50/3.5 100/2.0

State B.M. 231+30

BM#25 5.28 1232.24 BM is OK check 105' off state Elev.



8/7/28 Richey Whitsitt Spohn

New Cross Sections

BM #13 1.42 1174.36 1172.94

53+00	25/5.0	17/6.4	11-12/8.7	10/7.3	1167.1 ℄ / 7.3	8/7.2	11/6.5	17/5.1	25/4.1		
52+00	25/7.6	23/8.0	16/9.7	13/11.7	11/11.7	9/11.0	1163.5 ℄ / 10.9	5/10.9	8/12.0	12/9.8	19/8.0	25/7.8

13.12 1161.24

2.22 1163.46

51+00	25/1.1	21/1.4	12/5.6	10/6.3	7/5.0	1159.0 ℄ / 4.5	7/4.7	9/5.5	10/4.5	20/2.0	25/1.7
50+00	20/6.7	15/9.0	9/9.7	7-8/10.9	6/9.8	1153.8 ℄ / 9.1	7/9.9	8/11.1	9/11.1	12/9.3	21/7.9	25/7.7

12.72 1150.74

2.27 1153.01

49+00	25/1.0	18/1.3	6-8/4.8	4/8.7	1149.8 ℄ / 3.2	6/3.6	7/4.1	10/4.1	11/3.6	15/2.7	25/1.7
48+00	25/5.1	15/6.4	7-10/9.6	6/7.9	1145.2 ℄ / 7.8	5/8.2	9/9.0	14/6.5	25/5.6		
47+00	25/9.3	19/10.3	12/12.6	11/11.9	1141.0 ℄ / 12.0	7/11.5	8/12.7	11/11.0	17/9.4	20/8.1	

12.91 1140.10

2.27 1142.37

BM #12 2.83 1139.54 1139.49

2.83 1142.32

Profile Ohio 168

0+0	1+0	2+0	3+0 East	4+0	5+0	6+0
6.0	3.6	1.0	0.1	1.5	2.0	1.8

West

7.1	7.3	7.7	8.4	10.2	12.3

Typical Sec.

Pave. 20'
berm 5'
ditches 37'

26' tan Lt 40'-05' tan Rt

1142.32

46+00 level 21/5.5 20/6.1 18/5.2 ℄ 1136.4 5/5.6 6/6.7 25/5.6

45+00 — 26/8.0 18/8.7 12/7.7 ℄ 1134.3 13/8.0 16/8.7 17/8.1 25/8.1

44+00 — 26/10.0 21/10.7 13/2.2 ℄ 1132.7 10/7.6 17/9.9 19/13.3 20/11.5 25/10.3

10.70 1131.42

.251 1133.93

43+00 — 25/4.5 16-18/5.7 13/4.3 ℄ 1130.✓ 14/3.7 17-19/4.7 21/6.3 25/4.3 4.1

42+00 25/6.1 20/6.1 16-19/7.3 13/5.7 ℄ 1128.✓ 14/5.7 16-19/6.3 20/7.7 25/6.0 6.0

41+00 level 25/8.2 19/10.5 16/10.5 10/7.2 ℄ 1127.0 18/6.9 25/8.2 7.2 — —

40+00 26/10.0 20/9.6 12/6.4 ℄ 1127.9 8/6.0 21/6.3 25/4.8 1.4 level

Relocation Sta 277 to end

285?

Sta ~~284~~ +26.74 end

285+26.74
106 67
178+59.74 (1956

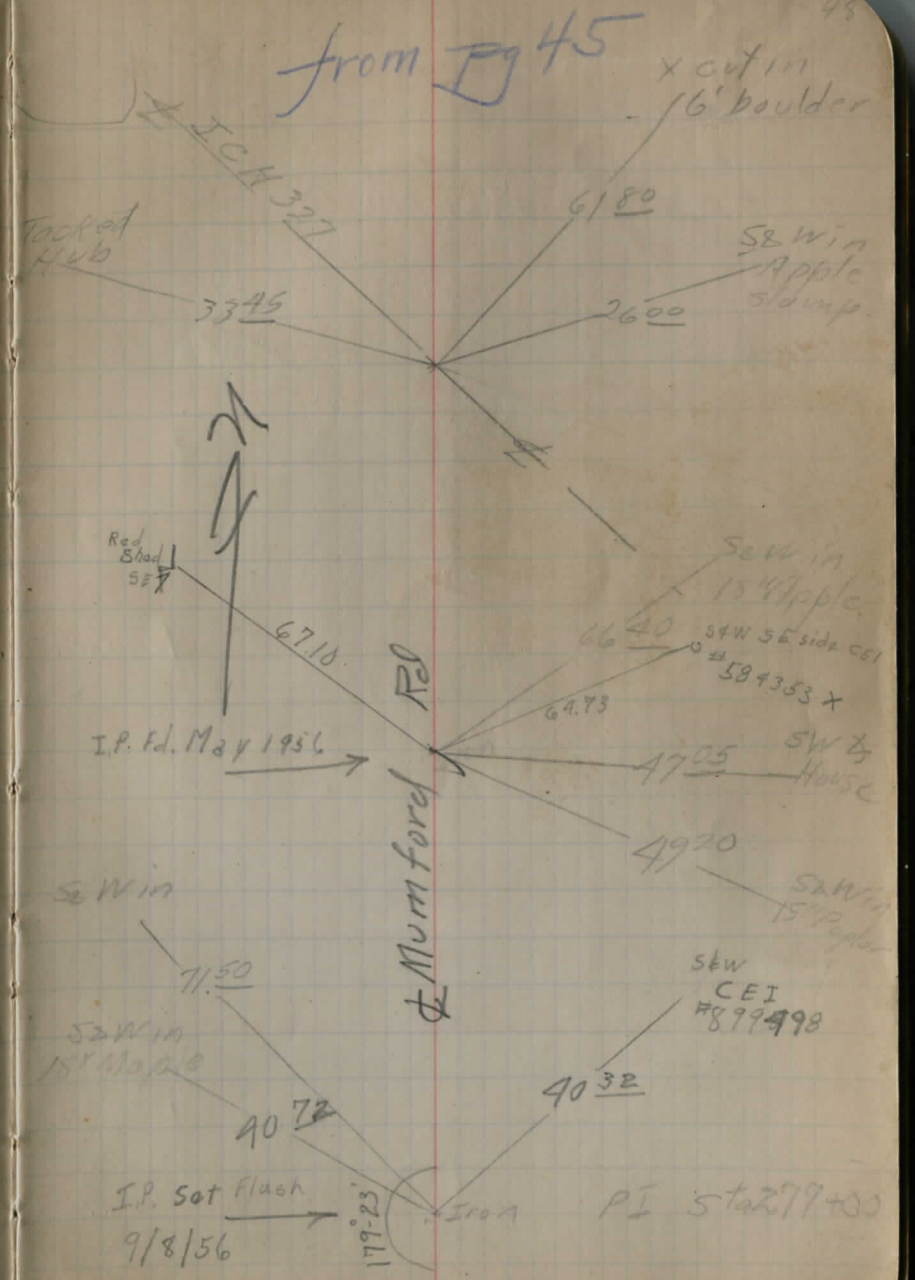
Sta 282+55.25 POT

282+55.25
106 67
175+88.25 (1956

Sta 277+00 Def. Lt 0°37'

277+00
106 67
170+33 (1956)

from Pg 45



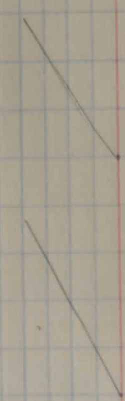
5/15/29 W Richey
[illegible]
G Griswold
F Ashcraft

Drainage Ditch Location

Sta 12+00		End.	
Sta 10+00	∡ Left		S 43°00' W
Sta 8+00	∡ Left		S 84°50' W
Sta 0+00			N 80° 40' W

Sta 254+00 West

Sidestakes 15' Right or N.



℄ Montford } { Road Sta 0+00

5-15-27

M Richey
F Richey
Corswald
F Ashcraft

Levels on Drainage Ditch Sta 254+00

BM#23	0.46	1234.07			1233.61
Channel E			5.9	1228.2	
" W			5.4	1228.7	
1+00					
2+00					
3+00					
4+00					
5+00					
	2.60	1231.48	5.19	1228.88	
6+00					
+50	channel		6.5	1225.0	
7+00					
8+00					
9+00					
10+00			7.9	1223.4	
	3.91	1229.68	5.71	1225.77	
11+00					

$\frac{40}{4.0}$ $\frac{14}{3.9}$ $\frac{11}{5.1}$ $\frac{8}{5.0}$ $\frac{4}{4.0}$ $\frac{0}{3.7}$ 1230.4

$\frac{25}{4.6}$ $\frac{0}{4.6}$ 1229.5

$\frac{30}{5.0}$ $\frac{20}{5.8}$ $\frac{10}{5.7}$ $\frac{0}{5.0}$ 1229.1

$\frac{30}{5.8}$ $\frac{12}{6.4}$ $\frac{8}{6.9}$ $\frac{6}{6.3}$ $\frac{0}{5.9}$ 1228.2

$\frac{30}{6.7}$ $\frac{0}{6.4}$ 1227.7

$\frac{24}{4.9}$ $\frac{26}{6.9}$ $\frac{18}{4.6}$ $\frac{0}{4.3}$ 1227.2

$\frac{30}{4.6}$ $\frac{0}{4.6}$ 1226.9

$\frac{30}{5.4}$ $\frac{0}{5.4}$ 1226.1

$\frac{30}{6.3}$ $\frac{22}{6.7}$ $\frac{17}{7.6}$ $\frac{12}{6.6}$ $\frac{0}{6.4}$ 1225.1

$\frac{30}{6.4}$ $\frac{20}{6.7}$ $\frac{14}{7.9}$ $\frac{12}{7.5}$ $\frac{0}{6.9}$ 1224.6

$\frac{30}{5.2}$ $\frac{15}{5.2}$ $\frac{0}{6.1}$ 1223.6

		122968		
12+00			8.0	1221.7
12+50			7.7	
13			7.5	
14			8.0	
B.M.			5.11	1224.57
	6.01	1231.78	3.91	1225.77
	5.24	1234.10	2.92	1228.86
BM #23			0.51	1233.59

$\frac{70}{65}$ $\frac{22}{8.0}$ $\frac{18}{80}$ $\frac{11}{63}$ $\frac{0}{5.5}$ 1224.2

Top 18" boulder 40' RT ± 5'± 11+50

5/15/29

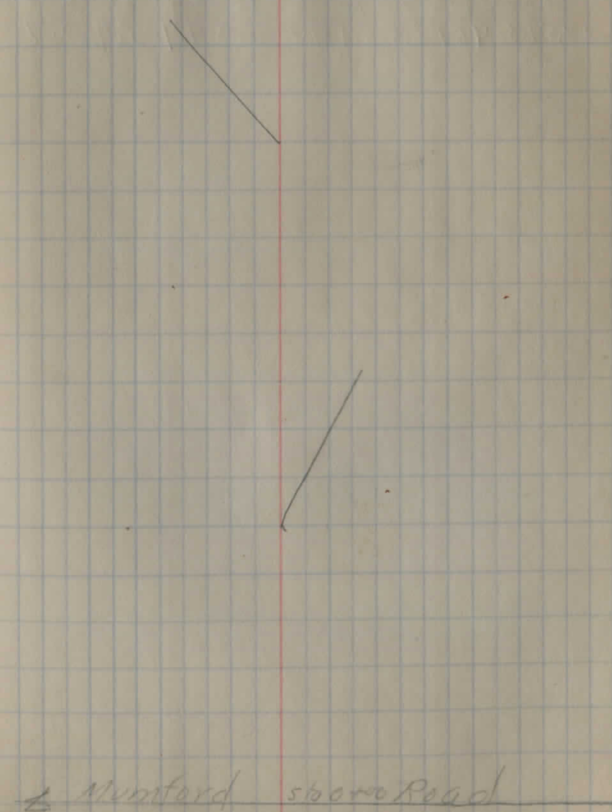
M Richey
F Richey
G Griswold
F Ashcraft

Drainage Ditch Location Sta 272+50

Sidestakes 15' Right or N.

54

Sta 8+00	End.	
Sta 7+00	W.	
Sta 3+00	N 34°40' W	
Sta 0+00	N 76°40 W	



5/15/29

M Rainey
E Richey
G Griswold
E Ashcraft

Levels on Drainage Ditch Sta 272+50.

Temp BM	1.84	1235.34			1233.50
Flow new culvert				7.8	1227.5
1				6.8	1228.5
2				7.5	1227.8
3				8.0	1227.3
4				8.8	1226.5
5				9.1	1226.2
6				10.1	1225.2
7				10.9	1224.4

E Headwall Culvert Sta 276+66

6/9/29

H Fahey
L Richey
G Grundy
C Rand

BM #1	2.67	1248.68			1246.01
	4.08	1242.56	10.20	1238.48	
Flow R			8.44	1234.12	1234.00
Stake R			4.94		C 3.5
Flow L			9.18	1233.38	1233.50
Stake L			5.68		C 3.5
		1242.56			
	0.95	1241.29	2.22	1240.34	
Flow R			7.67	1233.62	1233.50
Stake R			5.17		C 2.5
Flow L			8.44	1232.85	1233.00
Stake L			5.94		C 2.5
			6/21/29		
BM #2	1.72	1111.34			1109.62
Flow R			12.26	1099.08	1099.2
Stake R			8.26		C 4.0
Flow L			11.62	1099.72	1099.6
Stake L			10.12		C 1.5

No 13 Sta 94+70

Fl. 1233.5 — Fl. 1234.00

C 3.5 — 16 — 17 — C 3.5

19 — 18

No 12 Sta 88+74

Fl 1233.0 — Fl. 1233.5

C 2.5 — 20 — 19 — C 2.5

21 — 20

No 1 Sta 12+60

Fl 1098.6 — Fl. 1098.2

C 1.5 — 23 — 24 — C. 4.0

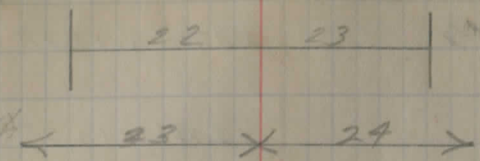
24 — 25

			6/25/29		
BM#3	1.95	1122.00			1120.05
	0.02	1111.54	10.48	1111.52	
	5.81	1108.44	8.81	1102.63	
Flow R			11.36	1097.08	1097.2
Stake R			8.86	C 2.5	
Flow L			10.62	1097.82	1097.7
Stake L			9.12	C 1.5	
B.M#3	1.95	1122.00			1120.05
	0.02	1111.54	10.48	1111.52	
Flow R			12.66	1098.88	1099.0
Stake R			10.16		C 2.5
Flow L			11.92	1199.62	1099.5
Stake L			9.92		C 2.0
			6/29/29		
BM#3	1.12	1121.17			1120.05
Flow R			12.49	1108.68	1108.8
Stake R			11.49		C 1.0
Flow L			11.55	1109.62	1109.5
Stake L			10.05		C 1.5

No 4 — Sta 23+3.6

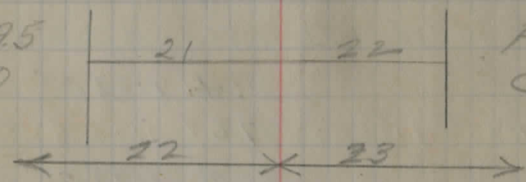
Fl. 1098.0 — C. 1.5 — Fl. 1097.5 — C. 2.5

5'5 of Rt X — 4' Rt of Rt X



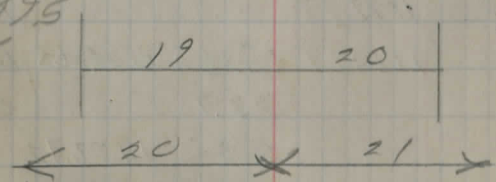
No 5 — Sta 26+08

Fl. 1099.5 — C 2.0 — Fl. 1099.0 — C. 2.5



No 6 — Sta 33+39

Fl. 1109.5 — C. 1.5 — Fl. 1108.8 — C. 1.0



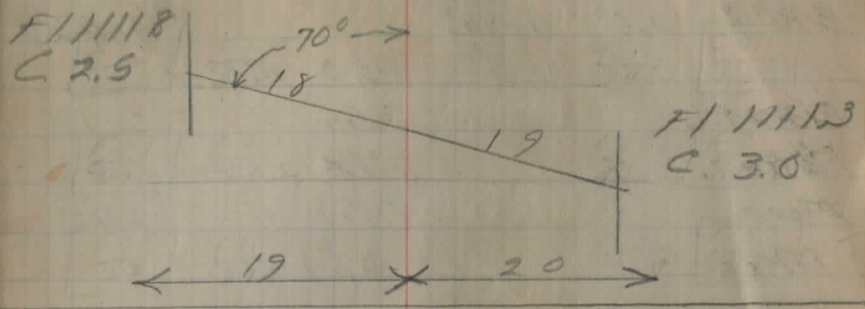
6/29/79

BM #3	1.12	1121.17			1120.05
	6.55	1119.62	7.90	1113.27	
Flow R			8.64	1111.18	1111.3
Stake R			5.64		C30
Flow L			7.90	1111.92	1111.8
Stake L			5.40		C25

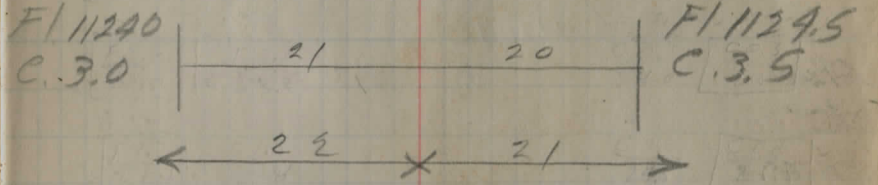
BM #4	0.73	1140.22			1139.49
	0.56	1132.92	7.86	1132.36	
Flow R			8.30	1124.62	1124.5
Stake R			4.80		C35
Flow L			9.04	1123.86	1124.0
Stake L			6.04		C30

BM #5	7.03	1179.97			1172.94
Flow S			5.12	1174.85	1175.0
Stake S			1.62		C35
Flow N			2.82	1177.15	1177.0
Stake N			-0.18		C30

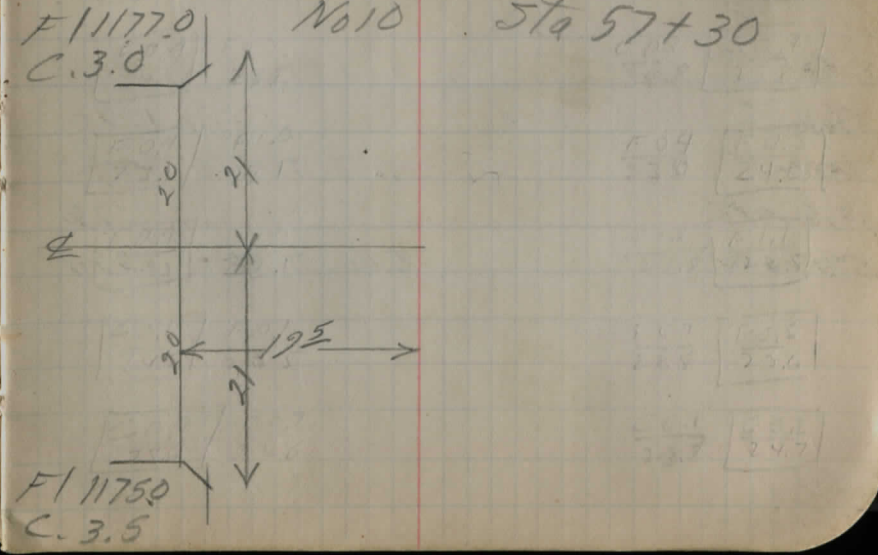
No 7 Sta 36+27



No 8 Sta 41+18



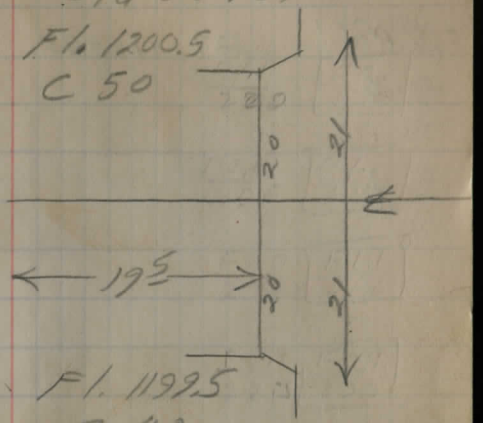
No 10 Sta 57+30



6/29/29

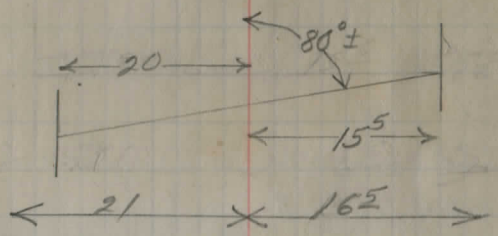
Bm#6	2.21	1208.04			1205.83
Flow N			7.40	1200.64	1200.5
Stake N			240		C 5.0
Flow S			8.70	1199.34	1199.5
Stake S			470		C 4.0

No 11 Sta 66+07



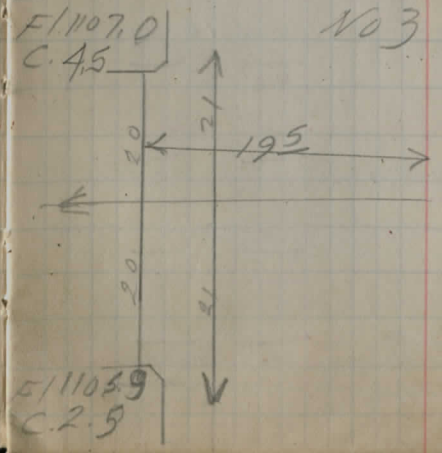
Headwalls only

No. 9 Sta 43+45



Bm#2	4.65	1114.27	7/2/29		1109.62
Flow N			7.12	1107.15	1107.0
Stake N			262		C 4.5
Flow S			8.52	1105.75	1105.9
Stake S			602		C 2.5

No 3 Sta 16+65



6/28/29

BM#1	1.17	1120.75			1118.98
0			1.91	1118.84	
1			2.96	1117.79	
2			4.64	1116.11	
3			6.33	1114.42	
	2.06	1116.09	6.72	1114.03	
4			3.35	1112.74	
5			5.04	1111.05	

Check Levels to set Bench 7+30

BM#1	0.65	1119.63			1118.98
	0.95	1112.61	7.97	1111.66	
New BM 7+30			5.85	1106.76	

F0.4 / 23.4	F0.5 / 22.9	C0.6 / 24.5	C0.8 / 25.5
F2.1 / 21.1	F2.3 / 20.2	F2.5 / 19.9	F2.3 / 20.9
F0.9 / 23.1	F1.0 / 22.1	F0.5 / 22.9	F0.2 / 23.9
F0.5 / 23.7	F0.6 / 22.7	F0.5 / 22.9	F1.7 / 22.1
F0.2 / 24.2	F0.3 / 23.2	C0.3 / 24.0	C0.5 / 25.0
F1.3 / 22.4	F1.5 / 21.4	C0.6 / 24.5	C0.6 / 25.5

Spike in Wroot 12" apple 75' Lt ± 5 to 7+30

Rod + 6/29/29 Richey Parks Canfield

BM 7450	5.85	1112.61		1106.76
6			3.24	1109.37
7			4.75	1107.86
8			5.89	1106.72
	3.91	1109.74	6.78	1105.83
9			3.81	1105.93
10			4.24	1105.50
11			4.49	1105.25
12			4.61	1105.13
	5.05	1109.38	5.41	1104.33
13			4.10	1105.28
14			3.82	1105.56
15			3.35	1106.03
	8.56	1115.59	2.35	1107.03
16			7.79	1107.80
			5.90	1109.69 1109.62

F1.0 22.8 — F1.2 21.8 — F0.3 23.2 — F0.1 24.2

F0.4 24.2 — F0.3 23.2 — C0.8 24.8 — C0.9 25.8

F0.9 23.1 — F1.0 22.1 — F0.4 23.0 — F0.3 24.2

F0.9 23.1 — F1.0 22.1 — F1.2 21.8 — F1.1 22.8

C0.1 24.5 — F0.1 23.5 — F0.7 22.6 — F0.5 23.6

C0.7 25.6 — C0.7 24.6 — C0.1 23.7 — C0.0 24.7

F1.1 22.1 — F1.0 22.1 — F1.1 22.0 — F0.8 23.0

F1.7 22.1 — F1.7 22.1 — F2.0 20.6 — F1.8 21.6

F1.0 23.1 — F1.0 22.1 — F2.0 20.6 — F2.1 21.6

C0.3 23.0 — C0.3 24.0 — F0.9 22.3 — F1.0 23.3

C0.2 24.1 — C0.2 23.9 — F0.6 22.7 — F0.5 23.7

BM#2	5.90	1115.52			1109.62
17			4.65	1110.87	
	8.35	1122.33	1.54	1113.98	
18			8.21	1114.12	
19			5.37	1116.96	
20			5.47	1116.86	
21			8.51	1113.82	
	1.56	1114.08	9.81	1112.52	
22			3.71	1110.37	
23			6.99	1107.09	
24			9.10	1104.98	
	5.09	1109.06	10.11	1103.97	
25			4.82	1104.24	
26			4.21	1104.85	
27			2.23	1106.83	
	11.81	1120.42	0.45	1108.61	
28			10.42	1110.00	

F1.1 / 23.1	F1.0 / 22.1	— / 25	—
F4.0 / 22.9	F3.9 / 21.9	C1.6 / 26.0	C2.1 / 27.0
C0.0 / 24.3	F0.2 / 23.3	C1.0 / 25.1	C0.8 / 26.1
C1.0 / 25.8	C0.8 / 24.8	C0.9 / 24.9	C0.9 / 25.9
C2.1 / 27.6	C2.0 / 26.6	C2.4 / 27.2	C2.8 / 28.2
F6.7 / 28.0	F6.3 / 27.0	F2.9 / 19.9	F2.8 / 20.9
F1.9 / 21.2	F2.0 / 20.6	F1.5 / 21.4	F1.3 / 22.4
F2.0 / 22.8	F1.2 / 21.8	F1.7 / 21.1	F1.7 / 22.1
F0.5 / 22.6	F0.7 / 22.6	F0.9 / 22.3	F0.8 / 23.3
F3.5 / 22.5	F3.7 / 21.5	F4.2 / 22.7	F4.5 / 23.7
F2.1 / 21.5	F2.1 / 20.5	F2.8 / 19.7	F2.8 / 20.7
C3.8 / 30.0	C3.6 / 29.0	C0.3 / 24.0	C0.8 / 25.0

		1120.42			
29			7.09	1113.33	
30			3.56	1116.66	
31			2.04	1118.38	
	6.53	1123.03	3.92	1116.50	
BM #3	2.73	1122.78	2.73	1120.30	1120.05
New BM			1.90	1120.88	
32			5.92	1116.86	
35				1113.95	
34					

C2.4 / 28.0	C2.3 / 27.0	C1.1 / 25.2	C1.4 / 26.2
C0.8 / 25.9	C0.9 / 24.9	E0.3 / 22.9	F0.4 / 23.9
C0.9 / 25.8	C0.8 / 24.8	E1.1 / 20.5	E1.9 / 21.5

Spike in E root 18" Maple 125' Lt & Sta 31+10

C4.0 / 29.6	C3.9 / 28.6	E7.2 / 28.5	E7.9 / 29.5
—	—	—	—
—	—	—	—

		7/5/29		M Richey E Parks C Canfield V Hoffman	
BM#4	1.04	1140.53			1139.49
42			10.03	1130.50	
New BM			4.23	1136.30	
43			8.40	1132.13	
44			6.77	1133.76	
45			5.03	1135.50	
46			2.39	1138.14	
BM#4	11.09	1150.58	1.04	1139.49	
47			8.79	1141.79	
48			4.24	1146.34	
	11.85	1162.29	0.14	1150.44	
49			11.29	1151.00	
50			6.62	1155.67	
51			1.96	1160.33	
	11.11	1173.32	0.08	1162.21	
52			8.77	1164.55	
53			5.44	1167.88	

F2.9 / 21.1	F3.0 / 20.1	F2.8 / 19.7	F2.9 / 20.7

Spike in W root 42" Maple 75 Rt ℄ Sta 44+15

F3.1 / 21.5	F3.2 / 20.5	F2.4 / 20.0	F2.5 / 21.0
F2.0 / 21.6	F2.0 / 20.6	F3.0 / 20.1	F2.6 / 21.1
F1.6 / 22.2	F1.6 / 21.2	F1.5 / 21.4	F1.4 / 22.4
F1.8 / 21.9	F1.8 / 20.9	F1.7 / 21.1	F1.6 / 22.1
C1.8 / 27.1	C1.7 / 26.1	C2.4 / 27.2	C2.5 / 28.2
C1.5 / 26.5	C1.3 / 25.5	C1.1 / 25.2	C1.3 / 26.2
C1.0 / 25.9	C0.9 / 24.9	C0.3 / 24.0	C0.8 / 25.0
C1.3 / 26.2	C1.1 / 25.2	C0.1 / 23.7	C0.2 / 24.7
C2.5 / 28.5	C2.6 / 27.5	C1.3 / 25.5	C1.5 / 26.5
C2.1 / 27.4	C1.9 / 26.4	C1.8 / 26.3	C1.7 / 27.3
C1.4 / 26.4	C1.2 / 25.4	C2.3 / 27.0	C2.4 / 28.0

		1173.32			
BM 5	0.47	1173.41	0.47	1172.85	1172.94
54			2.65	1170.76	
TP 45	7.00	1179.94	0.47	1172.94	
55			6.30	1173.64	
56			3.42	1176.52	
57			0.54	1179.40	
T.P. Slope R.			2.16	1177.78	
58				1182.28	
59				1185.14	
60				1188.00	
61				1190.50	
62				1193.00	
63				1195.50	
64				1198.00	
65				1200.50	

C 0.4 / 25.0	C 0.3 / 24.0	C 0.1 / 23.7	C 0.4 / 24.7
F 0.6 / 23.7	F 0.6 / 22.7	F 0.6 / 22.7	F 0.5 / 23.7
F 1.6 / 21.8	F 1.9 / 20.8	F 1.6 / 21.2	F 1.4 / 22.2
F 1.9 / 21.5	F 2.1 / 20.5	F 1.9 / 20.8	F 1.6 / 21.8
—	21	22	—
—	23	24	—
—	24	24.5	—
—	24	23.5	—
—	24	24.5	—
—	23	23.5	—
—	23.5	24	—
—	24.5	24	—

Bench Mark Check Levels

B.M. #2	Grove Corners	Sta. 164+80			Spike in root 30" Maple 60' Lt &
Elev.	1109.62				
		6.61	1116.23		
				0.36	1115.87
		4.07	1119.94		
				12.63	1107.31
		1.98	1109.29		
				3.48	1105.81
		12.08	1117.89		
				0.59	1117.30
		3.83	1121.13		
B.M. #3				1.08	1120.05
				9.30	1111.83
		10.24	1122.07		
				0.97	1121.10
		10.84	1131.94		
				0.23	1131.71
		8.17	1139.88		
				2.15	1137.73
		6.53	1144.26	B.M. #2	
B.M. #4				4.77	1139.49
				0.44	1143.82

Spike in E. Side 12" Locust 25' Lt & Sta. 32+50

Spike in root ox 15" Locust 20' Rt & Sta. 46+45

		12.59	1156.41		
				1.57	1154.84
		11.85	1166.69		
				0.76	1165.93
		9.25	1175.18		
BM "5				2.24	1172.94
				0.44	1174.74
		8.76	1183.50		
				0.36	1183.14
		12.92	1196.06		
				2.77	1193.29
		10.02	1203.31		
				2.10	1201.21
		7.38	1208.59		
BM "6				2.76	1205.83
		3.11	1208.94		
				0.36	1208.58
		8.11	1216.69		
				0.55	1216.14

Spike in root 48" Locust 25' Rt & Sta. 54+25

Spike in root 20" Maple 30' Rt & +30' N. of road leading E. at Sta. 66+35

	8.23	1224.37			
BM #7			1.64	1219.73	Spike in root 30" Maple 25' Rt ℄ Sta. 75+00
			1.71	1222.66	
	12.70	1235.36			
			1.34	1234.02	
	8.54	1242.56			
BM #8			5.28	1237.28	Spike in root 30' Maple 50' Lt ℄ Sta 84+00
			6.92	1235.64	
	7.77	1243.41			
			6.42	1236.99	
	7.89	1244.88			
			1.49	1243.39	
	6.05	1249.44			
BM #9			3.43	1246.01	Spike in root 12" Maple 25' Rt ℄ Sta 98+65
			5.52	1243.92	
	5.11	1249.03			
BM #10			8.17	1240.86	Spike in root 18" Maple 20' Lt ℄ 106+00
	4.63	1245.49			
			6.45	1239.04	

	5.60	1244.64		BM.	
BM #1			1.12	1243.52	Spike in root of Spreading Elm 35' Lt ℄ Sta. 114+00
			1.81	1242.83	
	11.56	1254.39			
			0.00		
	8.98	1263.37			
			0.18	1263.19	Spike in root of 10" Cherry 35 Rt ℄ Sta. 125+36
	9.17	1272.36			
BM #2			4.09	1268.27	
	4.95	1273.22			
			2.20	1271.02	
	4.22	1275.24			
			0.64	1274.60	
	5.78	1280.38			
BM #3			2.25	1278.13	Spike in root of 10" Cherry 20' Rt ℄ Sta. 141+60
	0.90	1279.03			
BM #4			6.33	1272.70	Spike in root of 15" Maple 20' Lt ℄ Sta 148+10.
	3.35	1276.05			
			6.02	1270.03	

	2.00	1272.03	5.32	1266.71	
	6.80	1273.51	5.12	1268.39	Spike in root of 30" ~~Elm~~ Elm 50 Lt & Sta. 158+30
BM #15			3.91	1269.60	
	7.92	1277.52	5.35	1272.17	
	6.20	1278.37	1.31	1277.06	
	7.91	1284.97	1.45	1283.52	Spike in root of 20" Maple 40 Rt & Sta. 172+20
BM #16			4.54	1284.41	
	5.43	1288.95	5.97	1282.97	
	4.53	1288.94	3.25	1283.96	
	4.04	1287.01	2.05	1292.02	
	10.31	1294.07	3.07	1294.88	Spike in root of 20" Cherry 30' Rt & Sta. 190+18
	5.93	1297.95	5.25	1292.70	
BM #17					

	5.25	1297.95			
			4.61	1293.34	
	3.14	1296.48			
BM #18			7.74	1288.74	Spike in root 18" Maple 35' Lt ℄ Sta. 200+75
	0.58	1289.32			
			12.08	1277.24	
	0.46	1277.70			
			10.09	1267.61	
	0.37	1267.98			
BM #19			3.57	1264.41	Spike in root 24" Maple 30 Lt ℄ Sta. 207+50
	6.35	1270.76			
			0.70	1270.06	
	3.65	1273.71			
			7.32	1266.39	
	7.63	1274.02			
BM #20			0.51	1273.51	Spike in root 10" Maple 25' Lt ℄ Sta 220+90
	7.63	1281.14			
			1.50	1279.64	

	9.13	1288.77			
			2.04	1286.73	
	3.13	1289.86			
BM #21			5.76	1284.10	Spike in root 18" Maple 30' Lt & Sta. P30+05
			7.77	1282.09	
	4.03	1286.12			
			2.94	1283.18	
	1.99	1285.17			
			10.49	1294.68	
	2.59	1277.27			
BM #22			6.67	1271.40	Spike in root 36" Maple 30' Lt & Sta. 240+50
	0.77	1272.17			
			12.00	1260.17	
	0.81	1260.98			
			11.11	1249.87	
	1.48	1251.35			
			6.60	1244.75	

For elevation see second page following.

1288.64
+ 1.13
1289.77

	1.70	1246.45			
BM #23			12.12	1234.33	
BM #24					
BM #25					

Check Level to BM #1

BM #2	1.63	1111.25		N09.62	
	3.76	1109.06	5.95	1105.30	
	6.72	1111.84	3.94	1105.12	
	9.05	1119.36	1.53	1110.31	
BM #1			0 40	1118.96	✓ 1118.98

For Elevation see next page

1246.45
1.70
1246.45

X on bridge S.E. cor. East Headwall Sta 254+00

Spike in root of 12" Maple 25' Rt & Sta 267+30.

Spike in root of 10" Maple E side State Route 168 100' N.W. of Sta 285+14

110996

30/8.2 100/88 150/9.3 200/100 channel Rt Sta 12+60

BM Check Levels

BM St 230+05	3.48	128758		128410	BM #21
			6.77	128081	
	6.35	128716			
			7.97	127919	
	1.00	128019			
			10.78	126971	
	3.54	127345			
BM 240+50			2.85	127060	BM #22
			11.66	126179	
	1.43	126322			
			1276	125046	
	0.38	125084			
			7.08	124376	
	2.47	124623			
BM 254+00			12.69	123354	BM #23
	3.11	123665			
			3.65	123300	
	3.80	123650			
			5.72	123088	
	4.48	123536			
BM 267+30			2.85	123251	BM #24
			5.84	122952	
	4.76	123428			

123428

082 123346

736 124082

129 123953

110 124063

BM 285+14 849 123214

BM #25

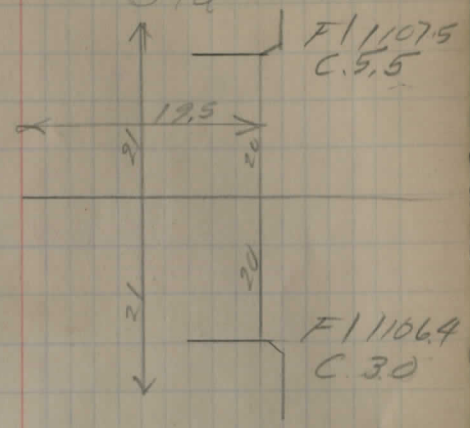
7/2/27

BM #2	465	11427			1109.62
Flow N			7.12	110715	1107.0
Stake N			1.62		C 5.5
Flow S			8.52	120575	1205.9
Stake S			5.52		C 3.0

7/14/27

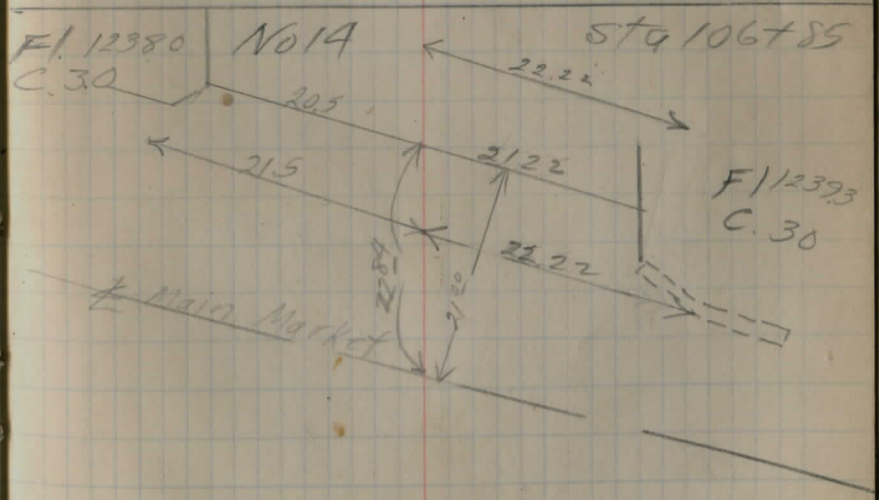
BM #	535	12421			1240.86
Flow E			6.71	123350	1239.30
Stake E				3.71	C 3.0
Flow W			8.41	123780	1238.00
Stake W				5.41	C 3.0

No 2 Sta 16+65



F 1 12380
C 3.0

No 14 Sta 106+85



7/3/29

Slopes on drainage ditch Sta 254+00

BM+22	0.54	123.08			123.54
0			7.08	122.00	0.45
1			7.54	122.54	
2			8.00	122.08	
3			8.46	125.62	
4			8.92	125.16	
	2.01	123.48	4.61	122.47	
5			6.78	124.70	
6			7.24	122.24	
7			7.70	123.78	
8			8.16	123.32	
	3.51	122.94	5.05	126.43	
9			7.08	122.86	
10			7.54	122.40	
11			7.99	121.95	
12			8.44	121.50	
BM 11+50			5.41	122.53	

6' Bottom 1½ to 1 Backslope

C 6.6 Top Wid. 11

C4.0 / 9.5	C3.7 / 8.5		C2.8 / 7.2	C3.3 / 8.2	
C3.6 / 9.1	C3.4 / 8.1		C3.1 / 7.6	C3.4 / 8.6	
C3.7 / 9.2	C3.5 / 8.2		C3.2 / 7.8	C3.7 / 8.8	
C2.8 / 7.7	C2.5 / 6.7		C2.1 / 6.1	C2.3 / 7.1	
C3.0 / 8.2	C2.8 / 7.2		C2.7 / 7.1	C3.1 / 8.1	
C2.6 / 7.6	C2.4 / 6.6		C3.0 / 7.5	C3.4 / 8.5	
C3.5 / 8.5	C3.0 / 7.5		C3.2 / 7.8	C3.5 / 8.8	
C2.9 / 8.1	C2.7 / 7.1		C2.9 / 7.4	C3.1 / 8.4	
C2.6 / 6.7	C2.3 / 5.7		C2.5 / 6.6	C2.6 / 7.6	
C2.8 / 7.7	C2.5 / 6.7		C1.6 / 5.4	C2.1 / 6.4	
C2.7 / 7.6	C2.4 / 6.6		C2.1 / 6.6	C2.4 / 7.6	
—	4.0		C2.5 / 6.7	C2.7 / 7.7	

7/11/29

Slopes on Drainage Ditch Sta 277+50

BM #24	2.39	1234.90		1232.51
	3.53	1232.99	5.44	1229.46
1			6.59	1226.40
2			6.99	1226.00
3			7.39	1225.60
4			7.79	1225.20
	5.05	1232.14	5.90	1227.09
5			7.34	1224.80
6			7.74	1224.40
7			8.14	1224.00

77

2' Bottom 1½ to 1 Backslope

C2.1 / 4.0	C2.0 / 4.0	C2.0 / 4.0	C2.0 / 5.0
C1.7 / 3.2	C1.5 / 3.2	C1.5 / 3.2	C1.6 / 3.2
C1.8 / 4.4	C1.6 / 3.4	C1.6 / 3.4	C1.9 / 4.4
C1.9 / 4.2	C1.5 / 3.2	C1.5 / 3.2	C1.5 / 4.2
C1.4 / 4.1	C1.4 / 3.1	C1.4 / 3.1	C1.5 / 4.1
C0.8 / 3.0	C0.7 / 2.0	C0.7 / 2.0	C0.8 / 3.0
C1.6 / 2.8	C0.5 / 1.8	C0.5 / 1.8	C0.6 / 2.8