SHAGRIN FALLS - BAINBRIDGE CTR. RD.

BAINBRIDGE TWP. GEAUGA CO., O.

80

LEVEL BOOK

744

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

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.	81	13.36.6
2	33.0	22	3 63.0	42	6.93.0	62	10.23.0	82	13.53.0
3	49.6	23	3.79.6	43	7.09 6	63	10.39.6	83	13.69.6
4	66.0	24	3.96.0	44	7.26.0	64	10.56.0	84	13.86.0
5	82.6	25	4 12.6	45	7 42.6	65	10.72.6	85	14.02.6
6	99.0	26	4.29.0	46	7.59.0	66	10.89.0	86	14.19.0
7	1.15.6	27	4.45.6	47	7.75.6	67	11.05.6	87	14.35.6
8	1.32.0	28	4.62.0	48	7.92.0	68	11.22.0	88	14.52.0
9	1.48.6	29	4.78.6	49	8.08.6	69	11.38.6	89	14.68.6
10	1.65.0	30	4.95.0	50	8.25.0	70	11.55.0	90	14.85.0
11	1.81.6	31	5.11.6	51	8.41.6	71	11.71.6	91	15.01.6
12	1.98 0	32	5.28.0	52	8.58.0	72	11.88.0	92	15.18.0
13	2.14.6	33	5.44.6	53	8.74.6	73	12.04.6	93	15.34.6
14	2.31.0	34	5.61.0	54	8.91.0	74	12.21.0	94	15.51.0
15	2.47.6	35	5.77.6	55	9.07.6	75	12.37.6	95	15.67.6
16	2.64.0	36	5.94.0	56	9.24.0	76	12.54.0	96	15.84.0
17	2.80.6	37	6.10.6	57	9.40.6	77	12.70.6	97	16.00.6
18	2.97.0	38	6.27.0	58	9.57.0	78	12.87.0	98	16.17.0
19	3.13.6	39	6.43.6	59	9.73.6	79	13.03.6	99	16.33.6
20	3.30.0	40	6.60.0	60	9.90.0	80	13.20.0	100	16.50.0

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

BAINBRIDGE CENTER-CHAGRIN FALLS ROAD C.H. #9

BAINBRIDGE TWP. GEAUGA CO., O.,

L. J. McNAUGHTON
County Engineer

1919

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INDEX

1919 1919

10-10-19
Temp-windy.
Hot.
Rain.

Hanna
Thompson

BENCH MARKS

Stg. U.S.G.S.	B.S.	H. I.	F.S.	Elev.	
B.M.	8.09	1174.27		1166.180	Aluminum Tablet W. parapet.
T.P.	10.45	1181.615	3.105	1171.165	
B.M.#14			7.525	1174.09	Ot. 3' Elm 25' Lt. Stg. 179+20
T.P.	3.05	1183.805	0.86	1180.755	
T.P.	0.455	1173.340	10.92	1172.835	
T.P.	1.08	1162.34	12.08	1161.26	
B.M.#13			10.91	1151.43	Ot. S. root 18" Bitter Nut 40 Lt. Sta 155+50
T.P.	1.51	1152.96	10.89	1151.45	
T.P.	0.21	1141.62	11.55	1141.41	
T.P.	0.475	1130.985	11.11	1130.51	
T.P.	0.43	1119.265	12.15	1118.835	

✓

Sta.	B.S.	H.I. 1119.265	F.S.	Elev.	
T.P.	0.115	1107.910	11.47	1107.795	
B.M.#12			1.39	1106.52	On N.W. root 18" Elm, 23' Rt. Sta 139+68
T.P.	0.06	1095.96	12.11	1095.80	
T.P.	0.06	1084.75	11.47	1084.39	
T.P.	0.19	1072.575	12.065	1072.385	
T.P.	0.185	1060.520	12.24	1060.335	
T.P.	0.61	1049.33	11.80	1048.72	
B.M.#11			4.72	1044.61	40' Rt. Sta. 139+75 On N. root 18" Evergreen in door yard
T.P.	0.41	1037.99	11.75	1037.58	
T.P.	0.68	1027.12	11.55	1026.44	
T.P.	2.82	1018.05	11.89	1015.23	

✓

Sta	B.S.	H.I. 1018 05	F.S.	Elev.	
B.M.#10			6.35	1011.70	On N.E. root 40" Elm 23' Rt., Sta. 130+50
T.R.	9.79	1026 76	1.08	1016.97	F. end N.E. wing.
T.P.	11.83	1038 56	0.03	1026.73	
T.P.	12.13	1050.15	0.54	1038.02	
T.P.	12.02	1062.06	0.11	1052 04	
T.P.	11.34	1073 09	0.31	1061.75	
B.M.#9			0.58	1072.51	On N.E. root 12" Maple, 25 Rt. Sta. 121 + 25
T.P.	10.70	1083 17	0.62	1072.47	
T.P.	11.095	1093 905	0.36	1082.34	
T.P.	11.145	1104 22	0.83	1093.075	
T.P.	9.02	1112 955	0.285	1103.935	

✓

Sta.	B.S.	H.I. 1112.955	F.S.	Elev.	
B.M. #8			4.74	1108.215	On N.E. root end angle, 23' Rt. Sta 1114+35
T.P.	10.635	1123.020	0.57	1112.385	
10-17-49 Fair - Cold.					
T.P.	5.51	1126.425	2.105	1120.915	
T.P.	11.26	1135.90	1.785	1124.640	
T.P.	5.72	1141.25	0.37	1135.53	
B.M. #7			3.91	1137.34	On N.E. root 20" Maple, 35' Rt, Sta. 97+40
T.P.	0.21	1131.055	10.405	1130.845	
T.P.	0.305	1119.325	12.035	1119.02	
T.P.	4.30	1117.38	6.245	1113.080	
B.M. #6			5.94	1111.44	Nail in N.E. root 30" Maple, 35' Rt. Sta. 72+15
T.P.	1.80	1108.28	10.90	1106.48	

✓

1108.22
7.08
1115.30
1109.8
5.50

C 4.5

1115.30
1109.5
5.80

C 2.5

1115.30 HI
1.08
1114.22
10.37
1124.58
1117.80
7.20

1117.6
1117.4

7.20
4.70
2.50

Sta.	B.S.	H.I. 1108	28	F.S.	Elev.	
T.P.	2.07	1100	22	10.10	1098.18	
B.M.#5				3.62	1096.60	On N. root 36" Maple, 40' Rt. Sta. 62+45
T.P.	0.295	1090	01	10.415	1089.805	
T.P.	2.71	1080	95	11.77	1078.24	
T.P.	1.03	1070	25	11.73	1069.22	
T.P.	1.38	1060	405	11.225	1059.025	
B.M.#4				6.655	1053.75	On N.W. root Twin Elm, 25' Rt., Sta. 43+10
T.P.	0.805	1049	28	11.93	1048.475	
T.P.	1.32	1040	55	10.05	1038.23	
T.P.	0.58	1029	705	11.425	1029.125	
T.P.	0.685	1018	545	11.845	1017.860	

✓

Sta	B.S.	H.I.	F.S.	Elev.	
		1018.545			
T.P.	1.445	1010.16	9.83	1008.715	
B.M.#3			4.38	1005.78	On N. root 24" Elm, 28' Rt., Sta. 20+50
T.P.	0.285	999.015	11.43	998.73	
T.P.	0.31	987.705	11.62	987.395	
T.P.	0.035	976.105	11.635	976.07	
T.P.	0.525	964.56	12.07	964.035	
B.M.#2			6.52	958.04	X on W. end N. Headwall to Drive Rt.
T.P.	0.68	953.95	11.19	953.37	
T.P.	0.235	942.535	11.55	942.30	
			3.74	938.795	℄ pavement at end Co. line.
			6.215		Top of monument ℄ of St. 6' E. of Curb
B.M.#1			9.265	933.27	X on S. end W. parapet 24' Rt. Sta. 1+14

/

10-23-19
Drake
Ham 79.

X SECTIONS

Sta.	B.S.	H.I.	F.S.	Elev.
B.M.#1	8.02	941.29		933.27
0			2.5	38.8
1			6.9	34.4
+14 ℄ Culvert. 2½' X 2½' Stone plank floor Good Cond			6.6	34.7
1+40 P.C.			7.3	34.0
2			6.0	35.3 ✓

10

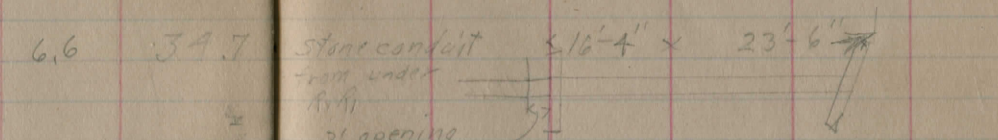
Lt. ℄ Rt.

x on S. end W. parapet.

℄ end at pavement

−0.9	−1.9	−0.5	+0.1	0.0	0.0	−1.1	−3.8
7.8	8.8	7.1	6.8	6.9	6.7	8.0	10.7
25-21	17	8	3		9	14	25

Stone conduit from under R.R. 3' opening for ditch water



−5.6	−0.1	−1.5	00	−2.2	−1.4	−5.9
12.2	6.7	8.1	6.6	8.8	8.0	12.5
16.6	16	14	00	22	23	24
F.L.						Rt.

−2.4	−1.9	+0.1	0.0	−0.2	−0.7	−4.2
9.7	9.2	7.2	7.3	7.5	8.0	11.5
25	19	6		11	16	25

−2.0	−2.9	−2.0	−0.3	0.0	+0.5	−0.1	−1.0	
8.0	8.9	3.0	6.3	6.0	5.5	6.1	7.0	3.5 edge of fill
25	16	8	4		11	15	25	

Sta.	B.S.	H.I.	F.S.	Elev.
		941 29		
3			2.5	38.8
T.P.	11.19	951 01	1.47	939.82
3+63℄ 16" Iron pipe			11.1	39.9
4			10.8	40.2
+50			8.6	42.4
5			6.2	44.8
6			2.1	48.9
T.P.	10.76	960.51	1.26	949.75

✓

Under RR bridge

-0.5 0.0 -1.0 -0.5
3.0 2.5 3.5 3.0
11 10 11

← 19' →

-2.8 -1.4 +0.2 0.0 -0.4 -1.7 -1.3
13.9 12.5 10.9 11.1 11.5 12.8 12.4
20 19 12 00 9 10 18
F.L. F.L.

-2.6 0.0 +0.9 0.0 -0.2 -1.2
13.3 10.8 9.9 10.8 11.0 12.0
25 17 9 16 25

-2.0 -1.8 -0.3 0.0 +0.1 -0.6 -2.7
10.6 10.4 8.3 8.6 8.3 9.2 11.2
25 13 9 6 11 16-25

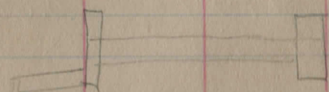
-1.6 -1.5 -0.2 0.0 -0.1 -1.8 -2.2
7.8 7.7 6.4 6.2 6.3 8.0 8.4
25 12 5 00 9 14 25

+4.3 +1.1 +0.5 -0.2 -0.1 0.0 -0.3 -1.5 -0.6 -0.3
-2.2 1.0 1.6 2.3 2.2 2.1 2.4 3.6 2.7 2.4
2.5 2.0 16 13 7 9 14 18 25

Sta.	B.S.	H. I.	F.S.	Elev.
		960 51		
6+34 PG			10.4	50.1
7-			7.6	52.9
7+54 ℄ stone Culv. 3 X 3½ box No floor Good cond.			5.5	55.0
B.M.#2			2.47	958.04 (958.04)
8			4.0	56.5
T.P.	11.12	969 16		958.04
9			8.1	61.1 ✓

+5.5 +1.5 +0.1 +0.2 0.0 -0.1 -1.8 -0.3 -0.5
8.1.2/25 8.9/18 10.3/13 10.2/9 10.4 10.5/8 12.2/13 10.7/18 10.9/25

+2.7 +0.8 +0.4 0.0 -0.1 -1.5 -3.6
4.9/25 6.8/14 7.2/5 7.6 7.7/10 9.1/16 11.2/25



x 12'-6" x 1.3

-6.0 +0.3 -0.4 -0.5 00 +0.2 +0.5 -6.2
11.5/13 FL 5.2/12 Par. 5.9/11 6.0/5 5.5/00 5.3/11 5.0/13 Par. 11.7/14 FL.

x on w. end N. Head-wall Culv. on drive to Rt.

-2.3 -1.0 -0.6 0.0 +0.2 -0.5 -2.6 -0.4 -0.2
6.3/25 5.0/13 4.6/6 4.0 3.8/8 4.5/12 6.6/16 4.4/19 4.2/25

-1.4 -0.6 -0.7 -1.5 -0.5 0.0 +0.1 -1.3 -2.0 -0.7 +0.9
9.7/12.5 8.7/16 8.8/8 9.6/6 8.6/5 8.1 8.0/9 9.4/12 10.1/14-16 8.8/19 7.2/25

Sta.	B.S.	H	I	F.S.	Elev.
9+25 P.C.				6.4	62.8
10				1.4	67.8
T.P.	11.30	979	78	0.68	968.18
11				.52	74.6
T.P.	12.23	991	92	0.09	979.68
12				11.7	80.2
13				7.1	84.8
14				3.1	88.8
T.P.	11.83	1002	17	1.58	990.31

-0.5 -0.7 -0.4 -1.4 -0.4 0.0 +0.2 -0.8 -1.8 -0.3 +2.3

+2.4 -0.4 -1.0 -0.4 -0.6 0.0 +0.7 -0.8 +5.2 +5.4

+6.2 +2.6 -1.2 -3.3 -0.7 0.0 -0.2 +0.2 -0.4 +0.3 +4.0 +4.7

+3.7

-0.5 -1.3 -0.4 -0.6 0.0 -0.2 -0.3 +0.1 +2.2 +2.7

+1.5

+2.9 +0.6 -0.8 -1.4 -0.8 -0.6 0.0 -0.1 -1.3 +0.6 +1.1

+4.3 +2.3 -1.1 -0.7 0.0 +0.1 +0.4 -0.7 +1.5 +1.7

H. I.

Stg	B.S.	1002.17	F.S.	Elev.
15			9.3	992.9
16			6.6	995.6
15+91 ℄ 12" W/P			6.9	995.3
10-24-19 Cold - cloudy				
T.P. 1	11.52	1006.36	7.33	994.84
17			8.6	997.8
18			6.9	999.5
19			5.6	1000.8
20			4.1	1002.3

✓

Lt. ℄ Rt. 14

+4.1 +1.4 −1.3 −0.1 0.0 +0.4 +0.2 −0.6 +0.6 +0.3
5.2 7.2 10.6 9.4 9.8 8.9 9.1 9.8 8.1 9.0
25 20 14 5 3 18 16-17 20 25

+2.3 +0.7 −0.7 +0.1 −0.2 0.0 0.0 −1.3 −0.2 −0.7
7.3 8.9 7.3 6.5 6.8 6.6 6.6 7.9 6.8 7.3
25 21 18 13-15 9 6 13 16 19 25

−0.2 −1.2 −0.4 +0.1 0.0 +0.1 −0.2 −0.8
7.1 8.1 7.3 6.8 6.9 6.8 7.4 7.7
19 11 10 6 8 12 19

Rt.

+1.8 −0.5 −1.8 −1.5 −0.1 −0.5 0.0 +0.4 +0.3 −1.0 −0.5 −1.0
6.8 9.1 10.4 10.1 8.7 9.1 8.6 8.2 8.3 9.6 9.1 9.6
25-23 18 14 13 9 3 4 13 16 17 25

+0.8 −1.8 −1.5 −0.2 −0.6 0.0 0.0 −1.7
6.1 8.7 8.4 7.1 7.5 6.9 6.7 8.6
25-21 17-16 14 9 3 12 16-25

+0.9 −1.6 −0.1 −0.4 0.0 +0.2 −1.9 −1.6 −2.2
4.7 7.2 5.1 6.0 5.6 5.4 7.5 7.2 7.8
25-21 17 10 3 11 16 20 25

+0.5 −0.4 −1.2 −0.7 −0.1 −0.4 0.0 +0.3 −1.5 −0.1 +0.2
3.6 4.5 5.3 4.8 4.2 4.5 4.1 3.8 5.6 4.2 3.9
25 20 17 14 9 4 10 15 18 25

Sta.	B.S.	H.I. 1006.36	F.S.	Elev.
T.P.	6.31	1010.14	2.53	1003.83
B.M.#3			4.39	1005.75
21			5.9	04.2
22			4.7	05.4
23			4.4	05.7
22+94 ℄	? pipe (Remains)			
24			3.4	06.7
25			2.3	07.8

On N. root 24" Elm 23' Rt. Sta 20+55

+2.9 +3.1 -0.2 -1.2 -0.8 -0.1 -0.8 0.0 0.0 -0.1 -0.9 +1.3 +1.2
3.0 2.8 4.1 7.1 6.1 6.3 6.7 5.9 5.9 6.0 6.8 4.6 4.7
25 21 18 15 13 9 1 10 12 14 18 25

+0.9 +0.6 -1.0 -0.4 +0.1 -0.4 0.0 +0.2 -1.1
3.8 4.1 5.7 5.1 4.6 5.1 4.7 4.5 5.8
25 21 17 14 14 9 5 11 15 25

-0.4 +0.2 -0.7 -0.2 +0.2 -0.1 0.0 +0.2 0.0 +0.2 -1.5 -1.8 -2.1
4.8 4.2 5.3 4.6 4.2 4.5 4.4 4.2 4.4 4.2 5.9 6.3 6.5
25 22 15 12 8 4 4 8 11 14 15 25

Same section as 23

+0.6 +1.2 +0.9 -0.8 -0.5 -0.4 0.0 +0.1 -1.3 -0.3 -0.4
2.8 2.2 2.5 4.2 3.9 3.8 3.4 3.3 4.7 3.7 3.8
25 22 19 15 9 3 1 11 15 18 25

+3.7 +1.8 -0.6 -0.2 -0.4 -0.9 -0.4 0.0 -0.2 -0.7 -0.2
1.4 0.5 2.0 2.5 2.7 3.2 2.7 2.3 2.5 3.2 2.5
25 19 14 12 8 7 3 14 16 19 25

✓

Sta.	B.S.	H.I. 1010	H.I. 14	F.S.	Elev.
T.P.	4.27	1012	29	2.12	1008.02
+75				3.3	09.0
26				3.6	08.7
27				5.2	07.1
28				7.3	05.0
+25				7.7	04.6
29				7.2	05.1
+54 R. Stone Box Culv. 3'x3'½' Excellent Cond					
30				4.9	07.4 ✓

Lt. ℄ Rt.

+2.0 +0.8 +0.4 0.0 -0.3 -0.1 -0.6 -1.8
1.6 2.2 3.2 3.3 3.9 3.7 4.2 5.4
25 12 2 9 14 17 25

+2.1 +0.7 -0.4 -1.3 -0.4 -0.8 -0.3 0.0 -0.3 -0.8 -0.8 -1.7
3.1 4.5 5.6 6.5 3.6 6.0 5.5 5.2 5.3 6.0 6.0 6.7
25 20 18-16 14 10 6 3 8-13 15 18 25

+3.0 +0.9 +0.1 -0.5 -0.3 0.0 0.0 -1.9 -1.6 -0.3
4.3 6.4 7.2 7.8 7.6 7.3 7.3 9.2 8.9 7.6
25 20 16 13-11 7 10 16 19 22-25

7.7

2.5 -1.7 -0.6 0.0 0.0 +0.2 -1.8 -3.5 -4.7
9.7 9.1 7.8 7.2 7.2 7.0 9.0 10.7 11.5
25 18 10 8 8 12 17 25

18'

-3.8 -3.1 -1.8 -0.1 0.0 +0.4 -1.4 -2.9 -3.3
6.1 5.0 4.7 5.2 4.9 4.5 6.3 7.8 8.2
25 20 16 11 8 12 17 25

Sta	B.S.	H.I.	F.S.	Elev.
31			0.2	12.1
T.P.	12.15	1024.28	0.16	1012.13
32			6.2	18.1
33			0.3	24.0
T.P.	10.26	1034.08	0.46	1023.82
34			5.8	28.3
T.P.	10.60	1043.08	1.60	1032.48
35			10.6	32.5
36			6.1	37.0
T.P.	7.50	1046.81	3.77	1039.31

✓

-1.7 -1.5 -0.3 -0.5 0.0 -0.3 0.0 +0.2 +2.2 +1.4 +0.7 +1.2

1.9 1.7 0.5 0.7 0.2 0.5 0.2 0.0 2.4 1.4 0.5 1.0

25 16 9 4 3 6 10 14 17 23

+4.5 -0.5 -0.2 +0.1 -0.4 0.0 -0.1 +0.1 -0.6 +1.6 +4.8

1.7 6.7 6.4 6.1 6.6 6.2 6.3 6.1 6.8 4.7 1.4

25 17 15 9 5 8 13 15 20 23-25

+3.3 +0.3 -0.5 +0.3 -0.4 0.0 +0.2 -0.4 +4.7

3.1 0.9 0.8 0.0 0.7 0.3 0.1 0.8 -4.7

25 16 15 12 9-4 12 14 21-25

+4.3 +2.7 +0.7 -0.3 +0.2 -0.3 0.0 +0.1 -0.6 +2.0 +3.2

4.3 3.1 2.1 6.1 5.6 6.1 5.8 5.7 6.4 3.8 2.6

25-20 17 14 12 8 4 6-11 14 18 20-25

+1.9 +0.9 -1.4 +0.1 0.0 -0.3 +0.1 -0.9 +0.6 +4.1 +4.3

8.7 9.7 12.0 10.5 10.6 10.9 10.5 11.5 10.0 6.5 6.3

25 16 11 5 3 11 14 17 21 25

+1.8 +1.3 -0.3 -0.4 -0.7 0.0 -0.3 -0.1 -1.0 -0.3 +1.3 +1.7

4.3 6.5 6.4 6.5 6.8 6.1 6.4 6.2 7.1 6.4 4.8 4.4

25 19 17 7 3 7 10 14 16 19 25

1046.81

37.		7.6	39.2	
38		6.8	40.0	
39		5.4	41.4	
40		3.5	43.3	
41		0.2	46.6	
T.P.	10.31	1056.93	0.19	1046.82
42		6.5	50.4	
43		2.7	54.2	
B.M.A		3.21	1053.72	1053.75

+0.1 −0.8 0.0 −0.4 0.0 −0.2 +0.2 −0.6 −1.3
7.5 8.9 7.6 8.0 7.0 7.8 7.4 8.2 8.9
25 16 9 4 6 5 12 25

+0.4 −0.2 −0.5 −0.2 +0.2 +0.1 0.0 −0.1 +0.2 −0.8 −1.6
6.4 7.0 7.3 7.0 6.6 6.7 6.8 6.9 6.6 7.6 8.4
25 18 16 12 10 6 5 9 12 25

+1.0 −0.7 0.0 −0.3 0.0 +0.2 −0.4 −1.6
4.4 6.1 5.1 5.7 5.4 5.2 5.8 7.0
25 16 13 8 10 13 25

+0.2 −0.2 +0.5 0.0 +0.4 −1.7 −0.8 −1.3
3.0 3.7 3.0 3.5 3.1 5.2 4.3 4.8
25 14 8 9 14 16 25

+1.2 +0.6 −1.2 −0.9 +0.2 −0.3 0.0 −0.2 −0.1 −1.6 +1.2
−1.0 −0.4 1.4 1.1 0.0 0.3 0.2 0.4 0.3 1.8 −1.0
25 23 18 14 10 6 3 12 15 16-25

+1.8 +0.9 −0.2 +0.1 −0.1 0.0 +0.5 +0.1 −0.7 +0.1
4.7 5.6 6.7 6.1 6.6 6.5 6.0 6.4 7.2 6.4
25 19 14 8 3 2 11 18 21-25

+0.9 −0.6 −0.3 +0.1 −0.4 0.0 +0.3 −0.6 −1.7 −1.3 −1.8
1.6 3.3 3.0 2.6 3.1 2.7 2.4 3.3 4.4 4.0 4.5
25 13 9 6 3 2-11 15 18 20-25

On N.W. root twin Elm 2.5' Rt. Sta 43+10

		1056.93		
T.P.	11.56	1066.66	1.83	1055.10
44			8.9	57.8
45			3.5	63.2
T.P.	10.50	1076.77	0.39	1066.27
46			6.7	70.1
T.P.	7.05	1082.55	1.27	1075.50
47			4.8	75.8
475			4.2	78.4
48			4.1	78.5
T.P.	4.73	1083 53	3.75	1079.80

+co. Bank ends
" Fill begins

+3.0 +1.7 +0.6 −0.5 +0.3 −0.2 0.0 +0.6 +0.7 −0.5 +0.2
5.9 7.0 8.3 9.4 8.6 9.1 8.9 8.3 8.2 9.4 8.7
24 18 14 11 7 4 4 13 17 21-25

+4.5 +3.5 +0.2 +0.9 +0.4 0.0 +0.7 +1.0 +0.9 +0.2 +2.1
1.0 0.0 3.3 2.6 3.1 3.5 2.8 2.5 2.6 3.3 1.4
25 18 13 10 4 2 8 15 17 19-25

+4.2 +3.9 +1.0 −0.6 −0.1 −0.2 0.0 +0.3 +0.6 −0.1 +2.8
2.5 2.8 5.7 7.3 6.8 6.2 6.7 6.4 6.1 6.8 3.9
25 20 16 12 9 6 3 11 16 20-25

+0.3 +6.8 +3.6 +1.5 −0.3 −0.5 0.0 +0.2 +0.4 +3.6 +5.2 +5.5
1.5 6.0 3.2 5.8 7.1 7.3 6.8 6.6 6.4 3.2 1.6 1.3
25 22 20 15 11 6 4 9-13 17 19 25

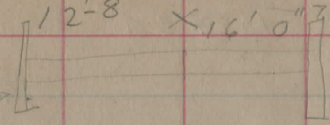
+12.2 +8.8 +4.2 +1.8 −0.1 +0.2 0.0 +0.3 +0.5 +0.1 +2.4 +7.6
8.0 4.2 0.0 2.4 4.3 4.0 4.2 3.9 3.7 4.1 1.6 −3.4
30 24 17 14 9 6 6 12 16 19 23-25

+9.8 +9.4 +1.7 −0.6 +0.3 0.0 +1.6 +0.4 −0.6 +4.1 +5.6
5.7 5.3 2.2 4.7 3.8 4.1 3.5 3.7 4.7 0.0 −1.5
25 23 14 10 6 9 13 17 21 22-25

+50 Bank ends.
" Fill begins.

Sta.					
		1083.53			
+41 ℄ Culv. Stone				5.2	78.3
2½ x 2 Box					
Good					
49				5.2	78.3
50				5.2	78.3
51				3.8	79.7
T.P.	6.75	1087.24		3.04	1080.49
52				6.0	81.2
53				5.3	81.9
+60 ℄ Culvt.					
15" V.I.P. & C.I.P.				4.9	82.3 ✓

(Lt. parapet may be low when Rd is widened)



+41 ℄ Culv.:
-7.7 -2.0 -0.1 -0.3 0.0 +0.4 -0.2
12.9/13 F.L. 7.2/12 5.3/7 5.5/4 5.2 4.8/9 5.4/16 Loads of fall →

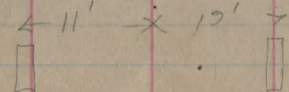
49:
-5.5 -5.6 -3.2 -0.2 -0.5 0.0 -0.3 -0.1 -1.1 -3.6 -7.5 -13.8
10.7/25 10.8/21 8.4/12 5.4/6 5.7/3 5.2 5.5/8 5.3/9 6.3/12 8.8/17 12.7/25 19.0/30

50:
+0.7 0.0 -1.1 -0.5 +0.1 0.0 +0.2 +0.2 -1.9 -4.8
4.5/25 5.2/21 6.3/14 5.7/9 5.1/5 5.2 5.0/3 5.0/12 7.1/17 10.0/25

51:
+5.1 +4.1 +3.1 +0.8 +0.2 0.0 +0.7 +0.6 -0.4 -1.5 -0.8
-1.3/25 -0.3/18 0.7/16 3.0/12 3.6/5 3.8 3.1/4 3.2/13 4.2/17 5.3/21 4.6/25

52:
+4.4 +3.4 +1.2 +0.4 +0.1 0.0 +0.3 +0.3 -0.1 -0.9 -1.1 -0.1
1.6/25 2.6/19 4.8/14 5.6/10 5.9/4 6.0 5.7/4 5.7/13 6.1/16 6.9/20 7.1/23 6.1/25

53:
-0.1 -0.9 -0.8 0.0 0.0 0.0 -1.1 -1.6
5.4/25 6.2/15 6.1/10 5.3/5 5.3 5.3/13 6.4/16 6.9/25



stone on top of pipe for end walls

+60 ℄ Culvt.:
-3.4 -1.3 0.0 +0.1 0.0 -2.3 -4.2 -3.7
Dirt 8.3/11 F.L. 6.2/10 4.9 4.8/2 4.9/13 7.2/19 ℄ 9.1/20 F.L. 8.4/26 dirt

Sta				
		1087.24		
54			4.6	82.6
55			2.0	85.2
T.P.	11.96	1098.86	0.34	1086.90
56			10.9	88.0
57			9.3	89.6
58			6.6	92.3

10-25-49
cool - fair

B.M.#5	4.16	1100.76	2.25	1098.60	1096.61
59			5.3		95.5
+30			5.0		95.8

✓

Lt. & Rt.

21

-1.8	-1.0	-1.5	0.0	+0.2	0.0	+0.3	+0.2	-1.5	-2.1	+0.7
6.4 / 25	5.6 / 14	6.1 / 11	4.6 / 7	4.4 / 3	4.6	4.3 / 3	4.4 / 13	6.1 / 17	6.7 / 21	3.5 / 25

+2.0	+1.1	-0.3	-0.8	-0.1	-0.8	0.0	+0.3	+0.2	-1.3	-1.5	+0.2
0.0 / 25	0.9 / 19	2.3 / 16	2.8 / 11	2.1 / 8	2.8 / 4	2.0	1.7 / 3	1.8 / 14	3.3 / 18	3.5 / 20	1.8 / 25

+1.8	+1.4	-0.2	-0.5	-0.3	-0.5	-0.3	0.0	+0.4	0.0	-0.8	-0.7
9.1 / 25	9.5 / 16	11.1 / 13	11.4 / 10	11.2 / 5	11.4 / 3	11.2 / 2	10.9	10.5 / 4	10.9 / 16	11.7 / 18	11.6 / 25

+4.0	+3.4	+2.2	+0.5	-0.2	+0.3	0.0	+0.7	+0.4	-0.3	+0.3	+1.6
5.3 / 25	5.9 / 18	7.1 / 15	8.8 / 12	9.5 / 9	9.0 / 4	9.3	8.6 / 3	8.7 / 12	9.6 / 18	9.0 / 20	7.7 / 25

+3.4	+2.8	+1.1	+0.2	+0.4	0.0	-0.2	+0.7	+0.4	-0.2	+0.8	+1.1
3.2 / 25	3.8 / 15	5.5 / 12	6.4 / 8	6.2 / 5	6.6	6.8 / 2	5.9 / 4	6.2 / 16	6.8 / 18	5.8 / 21	5.5 / 25

OM N. root 36" Maple 40' Rt. Sta 62+95

+3.8	+3.2	-0.1	0.0	+0.2	+0.1	-0.2	+0.1
1.5 / 25	2.1 / 16	5.4 / 8	5.3	5.1 / 5	5.2 / 14	6.5 / 19	5.2 / 25

same Sec.
5.0

Sta.	B.S.	H.I. 110.76	F.S.	Elev.
60			5.3	95.5
+76 : ℄ 12" C.I.P.			5.7	95.1
61			5.5	95.3
62			4.7	96.1
63			4.8	96.0
+98				

< 11 > < 13'-6" >

2½ x 3 stone
good cond., no floor.

64			4.3	96.5

✓

Lt. ℄ Rt.

+2.1 +1.1 +0.4 -0.9 +0.3 0.0 +0.6 -0.3 -1.2 0.0
3.2 4.2 4.9 6.2 5.0 5.3 4.7 5.6 6.5 5.3
25 18 15 11 6 4-13 16 20 25

-0.4 -0.9 -1.4 -0.4 0.0 +0.1 -0.4 -1.1 -1.5 -2.3
6.1 6.6 7.1 6.1 5.7 5.6 6.1 6.8 7.2 8.0
17 11 5 4 2 14 15 FL 20
Rock FL

< 4' > < 15 >

+0.4 -0.6 -1.0 -0.2 0.0 -0.4 -1.2 -1.4
5.1 6.1 6.5 5.7 5.5 5.9 6.7 6.9
25 18 12 9 14 16 25

+1.1 +0.5 -0.9 -0.2 0.0 +0.3 +0.1 -0.5 -0.1 0.0
3.6 4.2 5.6 4.9 4.7 4.4 4.6 5.2 4.8 4.7
25 15 11 6 00 3 12 16 17 25

+1.0 +0.8 +0.4 -0.8 -0.1 0.0 -0.2 -0.6
3.8 4.0 4.4 5.6 4.9 4.7 5.0 5.4
25 22 18 11 4 14 16-25

same as
Sta 64

-1.8 -4.5 +0.7 -0.5 0.0 +0.1 +0.7 -4.0 -3.4
6.1 8.8 3.6 4.8 4.3 4.2 3.6 8.3 7.7
25 12 11 9 12 13.6 14 25
FL Par par FL.

	1100	76			
65			34	97.4	
T.P.	8.78	1106	96	2.58	1098.18
66				8,3	98.7
67				6.9	00.1
68				5.3	01.7
69				3,5	03.5
T.P.	10.24	1114	99	2.21	1104.75
70				9.8	05.2
71				7,6	07.4 ✓

+0.1	-0.4	-0.7	0,0	0.0	+0.4	-0.5	+0.1		
3,3	3,8	4,3	3,4	3,7	3,0	3,9	3,3		
25	21	14	12	7		13	15	25	
0.0	-0,3	-0,7	+0,1	0,0	+0,5	+0,7	+0,1	+0,5	
8.3	8,6	9,0	8,2	8.3	7,8	7,6	8,2	7,8	
25	12	10	7		4	15	17	25	
+0,2	-0,2	-0,5	+0,1	0,0	+0,3	+0,3	-0,6	+0,4	
6,7	7,1	7,4	6,8	6,9	6,6	6,6	7,5	6,5	
25	14	10	5		4	15	17	25	
+1,0	+1,2	+0,5	-0,5	+0,1	0.0	+0,1	-0,5	+0,3	+0,7
4,3	4,1	4,8	5,3	5,2	5,3	5,2	5,8	5,0	4,6
25	20	14	11	5		15	16	18	25
+1,1	+0,6	-0,4	+0,1	0,0	+0,5	+0,4	-0,8	-0,1	+0,4
2,7	2,9	3,3	3,4	3,5	3,0	3,1	4,3	3,6	3,1
25	13	10	5	00	5	14	17	19	25
+1,4	+0,6	-0.3	+0,2	0,0	+0,3	+0,4	-1,4	-0,6	+0,1
8,4	8,2	10,1	9,6	9,8	9,5	9,4	11,2	10,4	9,7
25	15	9	4		4	14	17	19	25
+1,5	+1,4	+0,2	-0,3	+0,5	0,0	+0,3	+0,5	-0,3	-1,0	+0,1	+0,5
6,1	6,2	7,4	7,9	7,1	7,0	7,3	7,1	7,9	8,9	7,5	7,1
25	22	15	11	9		3	12	14	10	19	25

Sta.		1114.99	
72		5.0	10.0
BM#6		3.55	1111.44
73		2.8	12.2
74		1.8	13.2
T.P.	5.09	1118.61	1.47 . 1113.52
75		5.2	13.4
76		4.8	13.8
77		5.2	13.4
78		6.0	12.6

+1,6 +1,3 +0.4 -0,3 -0,1 0.0 +0,5 +0,6 -0,3 +0,2 +0.8

3.4 3.7 4.6 5.3 5.1 5.0 4.5 4.4 5.3 4.8 4.2

25 15 12 9 7 00 3 13 16 19 25

Nail in N.E. root 30" Maple 35' RT Sta 82+15

+0,5 +0,4 -0,6 -0,2 0.0 +0.4 +0,6 -0,3 +0,6

2,3 2.4 3.4 3,0 2.8 2.4 2.2 3.1 2.2

25 12 10 8 00 3 13 15 17 25

+0,3 -0,9 0,0 0.0 +0,4 +0,5 -0,4 +0,1 +0,3

1.5 2.7 1.8 1.8 1.4 1.3 2.2 1.7 1.5

25 14 11 17 00 8 13 16 17 25

-0,3 -0,8 -0,4 0.0 +0,3 +0,7 -0,3 +0,1 +0.4

5.6 6.0 5.6 5.2 4.9 4.5 5.5 5.1 4.8

25 11 8 00 4 13 15 17 25

+0,1 -0,4 0,0 0.0 +0,3 +0,5 -0,3 +0,5 +0,8

4.7 5.2 4.8 4.3 4.5 4.5 5.1 4.3 4.0

25 9 7 7 13 15 17 25

+0,5 +0,1 -0,1 -0,5 -0,2 0.0 +0,4 +0,5

4.7 4.1 5.3 5.7 5.4 5.2 4.8 4.7

25 22 13 10 8 13 25

-0,1 -0,3 -0,5 -1,1 -0,3 0.0 +0,5 +0,7 -1,3 +0,1 +0,4

6.1 6.3 6.5 7.1 6.3 6.0 5.5 5.3 7.3 5.9 5.6

25 16 11 8 6 00 5 15 19 22 25

Sta.		1118.61			
79				6.0	12.6
+32	℄ 2'x2' Stone Culv.				
	Good Cond. No floor			5.1	13.5
80				5.5	13.1
81				4.8	13.8
82				3.8	14.8
T.P	7.45	1122.6.8 (7 written above)		3.28	1115.23
83				6.8	15.9
84				5.5	17.2

✓

-0.6 -0.7 -1.4 -0.3 0.0 +0.6 +0.8 -0.4 -1.5 -0.7 -0.5

6.6/25 6.9/12 7.4/10 6.3/6 6.0/00 5.4/7 5.2/13 6.4/15. 7.5/18 6.7/20 6.5/25

Lt ℄ Rt

< 10'-9" × 15'-9" >

-3.5 +1.2 +0.1 0.0 +0.3 +1.1 -3.2 -2.7

8.6/11 3.9/10 5.0/9 5.1/00 4.8/7-14 4.0/15 8.3/16 7.8/22

Flm Par Par Fl.

-0.5 -1.3 -0.5 0.0 +0.6 -1.5 -0.6 -0.5

6.0/25-10 6.8/8 6.0/6 5.5 4.9/7-13 7.0/17 6.1/20 6.0/25

-0.4 -0.3 -1.2 -0.4 0.0 +0.5 +0.7 -1.3 -0.6 -0.5

5.2/25 5.1/12 6.0/10 5.2/8 4.8 4.3/4 4.1/13 6.1/17 5.4/20 5.3/25

-1.0 -0.8 -1.5 -0.7 0.0 +0.2 +0.4 -1.2 -1.3 -0.9

4.8/25 4.6/11 5.3/9 4.5/8 3.8 3.6/6 3.4/12 5.0/15 5.1/18 4.7/25

-1.1 -0.7 -1.6 -0.5 0.0 +0.4 -1.3 -0.6 -0.9

7.9/25 7.7/12 8.4/10 7.3/7 6.8 6.4/6-12 8.1/15 7.4/18 7.7/25

-1.2 -0.8 -1.6 -0.6 0.0 +0.5 -1.4 -0.7 -0.9

6.7/25 6.3/13 7.1/11 6.1/9 5.5/00 5.0/11 6.9/15 6.2/16 6.4/25

Sta.		1122 7 68		
85			4.1	18.6
86			2.1	20.6
T.P.	12.19	1133 8 79	1.08	1121.60
87			10.9	22.5
88			9.1	24.7
89			6.6	27.2
90			4.1	29.7
91			1.9	31.9
T.P	8.99	1141 34	1.44	1132.35

✓

-0.4 -0.7 -1.6 -0.7 0.0 +0.3 +0.1 -1.5 -0.2 -0.1
4.5 4.8 5.7 4.8 4.1 3.8 4.0 5.6 4.3 4.2
25 14 12 9 00 5 11 14 16 25

+0.5 +0.4 -1.1 -1.5 -0.8 0.0 +0.5 -1.1 -1.7 +0.4
1.6 1.7 3.2 3.6 2.9 2.1 1.6 3.2 3.8 1.7
25 19 13 10 8 9 12 14 18-25

+1.2 +0.5 -1.0 -0.6 0.0 0.0 -1.4 +0.8 +1.4
9.7 10.4 11.9 11.5 10.9 10.9 12.3 10.1 9.5
25-21 15 11 6 00 10 12 15 25

+1.5 +0.8 -0.9 0.0 +0.2 -0.2 -1.2 -0.5 +2.1 +2.5
7.6 8.3 10.0 9.1 8.9 9.3 10.3 8.6 7.0 6.6
25 16 12-8 5 10 12 15 18 25

+0.3 +0.6 -0.7 -0.3 0.0 +0.3 -1.8 +0.3 +1.5
5.1 6.0 7.3 7.5 6.6 6.3 8.4 6.3 5.1
25 14 12 8 00 8 12 14 25

+0.2 +0.1 -0.9 -0.8 0.0 +0.2 +0.1 -1.4 +0.5 +1.1
3.2 4.0 5.0 4.9 4.1 3.9 4.0 5.5 3.6 3.0
25 14 12 7 4 9 11 16 25

00 -0.5 -1.1 -0.8 0.0 +0.2 -0.1 -1.4 -0.6 +0.7
1.9 2.4 3.0 2.7 1.9 1.7 2.0 3.3 2.5 1.2
25 15 13 5-8 00 4 9 11 15 25

11/13/34

92			7.7	33.6
93			6.4	34.9
94			4.6	36.7
95			4.3	37.0
96			3.9	37.4
97			4.7	36.6
T.P.	2.73	1139.35	4.72	1136.62
B.M.#7			2.04	1137.34 1137.31
98			4.9	34.5 ✓

-0.5 -0.4 -1.0 -0.8 0.0 +0.3 0.0 -1.1 +0.3 +0.5
8.2 8.1 8.7 8.5 7.7 7.4 7.7 8.8 7.4 7.2
25 16 12 8 4 9 11 16 25

-0.2 -0.4 -0.9 -0.5 0.0 +0.2 -0.1 +0.7
6.6 6.8 7.3 6.9 6.4 6.2 6.5 5.7
25 16 13 8 00 3 8-10 25

-0.4 -0.5 -1.1 -0.8 0.0 0.0 -0.3 -1.0 -0.5 +0.4
5.0 4.7 5.7 5.4 4.6 4.6 4.9 5.6 5.1 4.2
25 19 14 8 3 7 11 17 25

-0.4 -0.3 -0.9 -0.6 0.0 +0.1 -0.1 -0.9 -0.2 +0.2
4.7 4.6 5.2 4.9 4.3 4.2 4.4 5.2 4.5 4.1
25 16 13 10 00 4 8 10 15 25

-0.6 -1.1 -0.9 -0.5 0.0 +0.3 -0.3 -1.1 -0.6 +0.2
4.5 5.0 4.8 4.4 3.7 3.6 4.2 5.0 4.5 3.7
25-23 13/2 11 7 00 4 9 11 14 25

-0.5 -0.7 -0.8 -0.2 0.0 +0.1 0.0
5.2 5.4 5.5 4.9 4.7 4.6 4.7
25 15 10 2 10 25

On N.E. root 20" Maple 35'Rt. Sta. 97+40

+1.0 +0.8 +0.1 -0.5 -0.3 0.0 +0.2 +1.0 +1.2
3.9 4.1 4.3 5.4 5.2 4.9 4.7 3.9 3.7
25 19 14 11 9 9 13 17-25

Sta.	B.S.	H.I. 1139.35	F.S.	Elev.
99			6.5	32.9
100			8.0	31.4
101			10.4	29.0
T.P.	2.21	1130.51	11.05	1123.30
102			3.6	26.9
103			5.2	25.3
104			6.5	24.0
105			8.0	22.5

✓

Lt. ℄ Rt.

+0.9 +0.4 -1.0 -0.2 0.0 +0.1 -1.0 +0.9 +1.1
5.6 6.1 7.5 6.7 6.5 6.4 7.5 5.6 5.4
25 18 14 12 9 6 00 9 12 15 25

+0.5 +0.2 -1.1 -0.3 0.0 -0.1 -0.9 -0.2 +0.6
7.5 7.8 9.1 8.3 8.0 8.1 8.9 8.2 7.4
25 14 11 8 00 10 12 16 25

+0.7 +0.2 -1.2 -0.3 0.0 0.0 -1.1 +0.4
9.7 10.2 11.6 10.7 10.4 10.4 11.5 10.0
25 21 14 11 8 00 9 17 25
Gravel

+0.5 +0.3 -0.4 -1.2 -0.5 0.0 -0.4 -1.5 -0.7 00 +0.8
3.1 3.3 4.0 4.8 4.1 3.6 4.0 5.1 4.3 3.6 2.8
25 17 13 10 8 00 8 10 12 15 25
Gravel

-0.5 -0.1 -1.0 -0.1 0.0 -0.3 -1.4 -0.2 +0.7
5.5 5.6 6.7 5.6 5.2 5.5 6.6 5.4 4.5
25 14 11 9 00 8 10 14 25
Gravel

-0.6 -0.3 -1.0 -0.1 0.0 -0.2 -1.2 00 +0.4
7.1 6.8 7.5 6.5 6.5 6.7 7.7 6.5 6.1
25 14 12 11 Gravel 7 9 11 25

-0.6 -0.1 -0.5 +0.3 +0.6 0.0 +0.5 +0.1 -0.6 +0.1 +0.3
8.6 8.1 8.5 7.7 7.4 8.0 7.5 7.6 8.6 7.9 7.7
25 16 14 11 8 00 9 8 10 13 25
Gravel & mud

Sta.	B.S.	H.I. 1130.51	F.S.	Elev.
106			8.2	22.3
10.7			9.8	20.7
T.P.	3.31	1124.37	9.45	1121.06
108			4.9	19.5
+52	℄ 12" C.I.P.			
	18' (?) pipe		5.2	19.2
	LT. end probably broken			
109			5.5	18.9
110			5.5	18.9
111			7.1	17.0

✓

-0.5 -0.6 -1.1 -0.3 0.0 -0.7 -1.7 -0.3 0.0 -0.1
8.7 8.8 9.3 8.5 8.7 8.9 9.9 8.5 8.7 8.3
25 15 3 9 00 9 11 14 19 25
Dirt

+1.1 +0.4 -0.8 -0.4 0.0 0.0 -0.5 -1.1 -0.2 +1.1
8.7 9.4 10.6 10.2 9.8 9.8 10.3 10.5 10.0 9.7
25 17 14 12 4 00 7 8 10 25
Dirt

+0.2 -0.2 -1.0 -0.2 0.0 0.0 0.0 -0.8 0.0
5.1 5.3 5.1 4.9 4.9 4.9 5.7 4.9
25-20 15 14-13 11 5 Dirt 8 9 10-25

< ? x 11'-4' >

-1.3 -1.0 -0.4 0.0 +0.5 -0.2 -1.5 -0.4
6.5 6.2 5.6 5.2 4.7 5.9 6.7 5.6
17 9 6 00 5 11 12 17
FL. mud

-0.5 -0.5 -0.1 +0.2 0.0 -0.1 -0.7 0.0 +0.6
6.0 6.0 5.6 5.3 5.5 5.6 6.2 5.5 4.9
25-22 19 10 3 Dirt 9 12 14 25

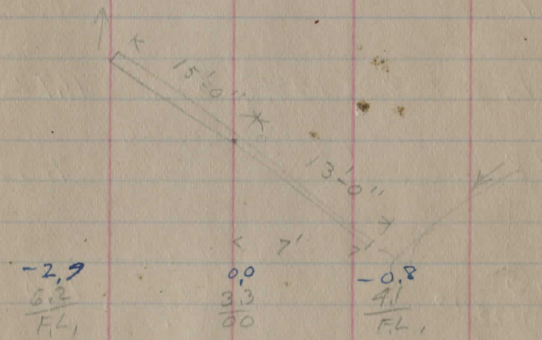
-0.5 +0.7 +0.5 -0.7 -0.2 +0.3 0.0 -0.6 -1.1 +0.4 +1.4
6.0 4.8 5.0 6.2 5.7 5.2 5.5 6.1 6.6 5.1 4.1
25 19 15 12 9 3 00 7 9 12 25

-0.1 +0.2 +1.1 -0.3 +0.3 0.0 -0.8 -1.1 -0.2 +1.0 +2.2
7.5 7.2 6.3 7.7 7.1 7.1 8.3 8.5 7.6 6.4 5.2
25 16 14 10 5 00 3 7 10 12 25

Sta.	B.S	H.I. 1124.37	F.S.	Elev.
112			10.0	14.4
T.P.	0.29	1115 3 28	9.38	1119.99
113			3.3	12.0
113+00	℄ 12" C.I.P. (Sag)			
114			8.0	07.2
B.M.#8			17.11	1108.21 / 1108.17
T.P.	2.43	1107.26	10.45	1104.73

+0.2 +0.5 −1.1 −0.5 0.0 −0.5 −1.3 +1.1 +2.8
9.8 9.5 11.1 10.5 10.0 10.5 11.3 8.9 7.2
25 18 14 12 00 5 6-8 11 25
DIRT

+0.7 +0.6 −0.6 −2.3 −1.4 −0.7 0.0 +0.3 +0.7 −0.1 +0.4 +2.7
2.6 2.7 3.7 5.6 4.7 4.2 3.3 3.0 2.4 3.4 2.9 0.6
25 19 16 14-13 12 18 Some clay 7 16 19 24 26



−2.7 0.0 −0.8
6.2 3.3 4.1
FL. 00 FL.

+1.2 +1.1 −0.1 −0.1 −1.3 −0.5 0.0 −0.2 −0.9 −1.3 +1.5 +2.2
6.8 6.9 8.1 10.1 9.3 8.5 8.0 8.2 8.9 9.3 6.5 5.8
25 21 15 13 10 6 same clay 6 11 14 17 25

On N.E. - out end angle 23' Rt. Sta 114+35

1107 3 26

115		2.2	05.1	
116		5.9	01.4	
117		10.3	97.0	
T.P.	2.99	1098.53	11.72	1095.54
118		7.3	91.2	
119 10-26-19		15.0	83.5	
T.P.	0.48	1087.11	11.90	1086.63
120		10.9	76.2	
T.P	1.00	1076.54	11.57	1075.54
121		6.8	69.7 ✓	

-0.5 -0.8 -0.1 -2.5 -1.4 -0.6 0.0 -0.6 -1.3 -2.0 -0.1 +2.6 +2.8
2.7 3.0 2.3 4.7 3.6 2.8 2.2 2.8 3.5 4.2 2.6 6.1 -0.6
25 21 18 14 11 7 00 7 10 13 15 19 25
coarse slag

+0.3 +0.1 -1.4 -2.4 -0.4 0.0 -0.7 -1.7 -0.3 +2.2 +3.4
5.6 4.8 7.3 8.3 6.3 5.9 6.6 7.6 6.2 3.7 2.5
25 20 17 15 10 8 11 13 16 25
some slag

-0.1 +0.3 +0.1 0.0 -0.7 -1.4 -0.5 +1.1 +2.8
10.4 10.0 10.2 10.3 11.0 11.7 10.8 9.2 7.5
25 17 10 00 9 12 14 18 25
some slag

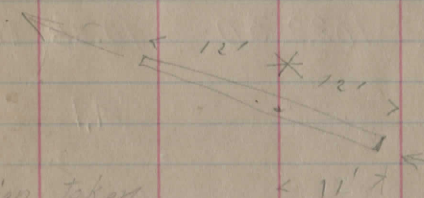
+1.1 +1.3 -1.6 -1.3 -0.6 0.0 -0.3 -1.2 -0.3 +4.3 +6.5
6.2 6.0 8.7 8.6 7.9 7.3 7.6 8.5 7.6 3.0 0.8
25 21 17 16 13 9 00 9 11 13 18 25
some slag

+0.6 +0.1 -1.2 -0.3 0.0 +0.4 -0.6 +1.8 +5.3
14.1 14.5 16.2 15.3 15.0 14.4 15.6 13.2 9.7
25 20 16 13 00 8 11 15 25
Rock

+1.5 +1.4 -1.6 -0.3 +0.4 0.0 +0.7 -0.2 +1.7 +3.7 +4.2
9.4 9.5 12.5 11.2 10.5 10.9 10.2 11.1 9.2 7.2 6.7
25 15 12 10 7 7 9 13 20 25
Rocks

+0.8 +0.7 -1.8 +0.2 0.0 +0.2 -1.5 +2.7 +3.8
6.9 5.9 8.6 6.6 6.8 6.6 8.3 4.1 3.0
25 20 15 14 11 7 10 14 25
gravel

		1076.59			1072.51	
B.M.#9				4.06	1072.48	On N.E. root 12" Maple 25' Rt., Sta. 121+25
T.P.	1.90	1068.39		10.05	1066.49	
122				5.9	62.5	+1.1 +0.2 −0.8 +0.2 0.0 +0.7 −1.3 +1.5 +3.2 +4.1 25 4.8/−21 5.7/18 6.7/14-13 5.7/9 5.9 5.2/9 7.2/12 4.4/15 2.7/20 1.8/25 slag – Gravel
+06 & 12" C.I.P. Solid, good cond.						
				4.5	61.9	Section taken thru Culv. −2.5 −1.9 −1.0 +0.3 0.0 +0.4 −0.7 9.0/21 8.4/13 F.L. 7.5/12 6.2/10 6.5/00 6.1/12 7.2/13 F.L. Pipe comes to surface on ℄
T.P.	1.19	1059.08		10.00	1057.89	
123				6.4	52.7	+2.2 +2.3 −0.7 −1.0 −0.3 0.0 −0.2 +0.1 −1.3 +0.3 +3.2 +6.3 4.2/25 4.1/21 7.1/15-14 7.4/13 6.7/8 6.4 6.6/7 6.3/9 7.7/13 6.1/15 3.2/18 0.1/25 slag
T.P.	2.37	1049.69		11.76	1047.32	
12A				5.7	44.0	+3.8 +0.6 −0.8 +0.7 0.0 −0.1 −1.5 +0.2 +2.9 +5.1 +6.5 25 1.9/23 5.1/19 6.5/16 5.5/5 5.7/00 5.8/6 7.2/9 5.5/10 2.8/14 0.6/18 −0.8/25



		1049.69		
T.P.	0.99	1040.45	10.23	1039.46
125			6.4	34.1
T.P.	0.98	1031.16	10.27	1030.18
126			5.9	25.3
T.P.	1.72	1022.30	10.58	1020.58
127			4.1	18.2
+35 W. end of bridge			5.6	16.7
			6.46	15.84
			6.56	15.74
+68 E. end of bridge			5.6	16.5
			13.7	08.6

✓

+1.5 −1.3 −0.1 +0.2 0.0 +0.2 −1.5 +3.7 +4.8 +5.1
4.9/25 7.7/19 6.5/16 6.2/6 6.4 (slag) 6.2/3 7.9/6 2.7/11 1.6/17 1.3/25

+2.9 +3.0 −0.3 −0.6 0.0 0.0 +0.5 −1.0 +2.2 +3.0
3.0/25 2.9/22 6.2/20 6.5/12 5.9/6 5.9/00 (slag) 5.6/8 6.9/12 3.7/19 2.9/25

−1.9 −4.9 −1.1 +0.2 0.0 +0.1 −0.9
6.0/25 9.0/21.6 5.2/11 3.9/7 4.1/00 (Gravel) 4.0/15 5.0/25

−3.2 +0.5 0.0 0.0 0.0 +0.6 −3.5
8.8/10 5.1/9 5.6/7 5.6/00 5.6/7 5.0/10 9.1/11

Bridge seat W. end
" " E "

+5.3 −0.9 0.0 0.0 0.0 −0.8 −5.6
11.1/10 6.7/9 5.8/7 5.8 5.8/7 6.6/10.5 11.4/11

Iron bridge
Span 31 ft.
W. end 15' wings. 1' higher than 7' Elev.
E " " " 1½ " " " "
Bottom Creek

slag ends 50' w. of bridge

1022 30

128		#9	8.2	14.1
T.P.	0.78	1016.40	6.68	1015.62
129			4.0	12.4
130			4.9	11.5
B.M.#10		Locate New culv. Sta 130+95	4.73	1011.67
131		12" CI Pipe 18'	4.8	11.6
132			2.8	13.6
T.P.	6.25	1020.65	2.00	1018.40
+35			6.3	14.4
133			7.5	13.2

✓

-4.0 +0.9 +0.4 0.0 0.0 -2.2 -2.6
12.2/25-21 9.3/15 7.8/10 8.2/00 8.2/7 10.4/15 10.8/25

+0.4 -1.1 -0.3 +0.4 0.0 0.0 +0.5 +1.8
3.6/25 5.1/20-19 4.3/16 3.6/12 4.0 4.0/7 3.5/10 2.2/25

-0.5 -0.3 -0.8 +0.2 0.0 -0.4 -0.2
5.4/25 5.2/19 5.7/16-14 4.7/10 4.9 5.3/9 5.1/25

On N.E. root 40" Elm 22' Rt. Sta 130+50

-0.2 -0.6 -1.0 +0.1 0.0 0.0 -1.1 -0.9 -2.6
5.0/25 5.4/19 5.8/16-14 4.7/10 4.8/00 4.8/4 5.9/7 5.7/10 7.4/25

+0.1 -0.7 -1.3 -0.4 0.0 -0.3 -0.8 -0.3 0.0
2.7/25 3.5/16 4.1/14-13 3.2/11 2.8/00 3.1/5 3.6/7 3.1/9 2.8/25

+1.8 +0.8 -0.8 -0.2 0.0 -0.2 -0.8 +2.9 +4.9 +6.3
4.5/25 5.5/17 7.1/13 6.5/10 6.3/00 6.5/5 7.1/7 3.4/11 1.4/14 0.0/25

+4.5 +5.7 +3.5 -1.0 -0.4 0.0 -0.3 -0.8 +3.8 +4.4
3.0/25 1.8/18 4.0/13 8.5/7 7.9/4 7.5/00 7.8/10 8.3/12 3.7/17 3.1/25 [illegible]

1020 65

+50 10.2 10.5

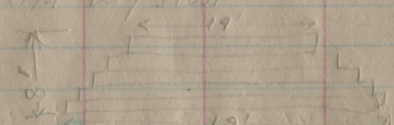
T.R. 5.99 1016 76 9.88 10.77

134 6.9 09.9

135 7.0 09.3

136 7.4 12.4

+21 W. end B/g floor



Sec. at W. end. 3.5 13.3

E. About same as W. but has 7 tiers stone

4.84 11.92

Sec. at E. end 12.00 04.76

2.5 14.3

3.98 12.78

12.9 03.9

+1 -0.7 -0.9 -0.4 -0.3 0.0 +0.3 +0.1 -0.9

+0.1 11.1 11.1 10.6 10.5 10.2 7.7 10.1 11.1

25 20 17 8 1 13 21 25

-0.8 -1.2 -0.8 -0.4 0.0 +0.3 -0.4 -0.8

7.7 8.4 7.7 7.3 6.9 6.6 7.3 7.7

25 14 4 2 11 23 25

-0.5 -1.0 -0.2 0.0 +0.3 -0.3 -0.5 +0.1

7.5 8.0 7.2 7.0 6.7 7.3 7.5 6.8

25 12 5 00 8 16 19 25

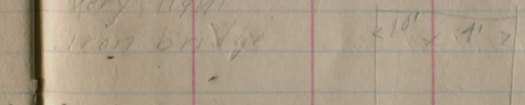
-5.0 -5.5 -1.2 0.0 0.0 +0.2 -1.2 -1.8 -1.6

2.4 2.9 5.6 4.4 4.4 4.2 5.6 3.2 3.0

25 19 12 8 00 6 10 17 25

very light

iron brown



-3.2 -0.4 0.0 0.0 +0.1 -0.3 -3.9 -8.1 -9.4

4.7 3.8 3.5 3.5 3.4 3.8 7.4 11.6 12.5

11 10 8 3 5 8 17 25

Bdg. seat W. end.

Creek bottom

-1.0 00 0.0 -0.3 -3.6 -5.5 -1.6

4.4 2.5 2.5 2.8 6.1 8.0 7.1

11 10 00 4 6 12 25

+50

Bdg. seat E. end

Footing E about.

		1016 76		
T.P.	9.50	1025 18	1.08	1015.68
137			9.1	16.1
T.P.	11.90	1036 97	0.11	1025.07
138			11.0	25.1
139			2.6	34.7
T.P.	12.25	1017 72	1.50	1035.17
				1017.61
B.M. #11			3.13	1014.59
140	10-29-18 cold-fair-cloudy Marino Thompson		5.7	43.0
B.M. #11	9.90	1054 51		1044.61
141			7.9	46.6
141+60			5.8	42.7

✓

-0.5 -1.0 -0.2 0.0 0.0 -0.6 -1.0 -1.6
9.6 10.1 9.3 9.1 9.1 10.5 10.1 10.7
25 20 17 10 5 15 25

+2.8 +0.2 -1.1 +0.6 +2.1 0.0 -0.1 -0.8 +0.9 +6.4 +7.1
9.1 11.7 13.0 11.3 11.8 11.9 12.0 12.9 11.0 5.5 3.8
25 22 20 16 13 4 5 8 15 23 137

High Bank R.T. begins 140+70

+4.6 +1.3 +0.5 -1.3 -0.6 -0.1 0.0 -0.2 -0.8 +1.8 +2.6 +5.3 +6.3
-2.0 1.3 2.1 3.7 3.3 2.7 2.6 2.8 3.9 0.8 0.0 -2.7 -3.7
25 20 17 16 14 9 6 8 12 13 15 25

On N. root 18" Evergreen in door yard Rt 139+30

+1.3 +1.0 -1.7 +0.1 0.0 +0.2 +1.2
4.4 4.7 7.4 5.6 5.7 5.3 4.5
25 19 15 12 12 2.5

+0.2 -0.7 0.0 -0.0 -0.4 -0.8 -0.4 +0.1
7.7 8.6 7.9 7.9 8.3 8.7 8.3 7.8
25-16 14-2 10 5 7-1 12-14 16-25

+2.1 +1.8 -0.5 +0.1 0.0 -0.3 -1.1 -0.6 -0.1 +0.6 +0.9
3.7 4.0 6.3 5.7 5.8 6.1 6.9 6.4 5.9 5.2 4.9
25 18 15 13 11 4 6 8 13 17 25

1054 51

142				4.0	50.5
T.P.	11.67	1065	52	0.66	1053.85
143				9.3	56.2
144				2.4	63.1
T.P.	12.16	1077	53	0.15	1065.37
145				6.5	71.0
T.P.	11.10	1086	34	2.29	1075.24
146				8.1	78.2
T.P.	11.30	1095	61	2.03	1084.31
147				10.2	85.4
T.P.	10.72	1104	70	1.63	1093.98

✓

Lt. ℄ Rt. 37

+3.8 -0.7 +0.2 0.0 -0.1 -0.7 -0.5 +1.4 +2.1
0.2 4.7 3.8 4.0 4.1 4.9 4.5 2.0 1.9
25-21 14-13 11 5 8 9-12 16 25

+1.0 -1.0 -0.1 0.0 0.0 -0.8 -0.1 +2.8
5.3 10.3 9.1 9.3 9.3 10.1 9.4 6.5
25-22 15-13 12 3 5-8 9-11 15-25

+5.0 +2.4 -1.0 0.8 0.0 -0.2 -1.2 +2.1 +3.2 +3.9 +3.2
-2.6 0.0 3.4 2.1 2.4 2.6 3.6 0.0 -0.8 -1.5 -0.8
25-23 21 13 12 4 7 10 15 18 25

+4.1 -0.7 +0.1 0.0 -0.3 -1.7 -0.9 +1.6 +1.1
2.1 7.2 6.4 4.5 6.8 8.2 7.4 4.7 5.4
25-22 16 14 4 7 9-11 15 25

+3.0 +1.7 -1.7 -0.2 0.0 -0.3 -1.6 +0.2 +1.4 +0.7
5.1 6.4 9.8 8.3 8.1 8.4 9.7 7.3 6.7 7.2
25-24 18 14-13 9 2 6-8 9 13 12.5

+2.7 -1.7 -0.3 0.0 -0.2 -2.3 +0.9 +0.1
7.5 11.9 10.5 10.2 10.4 12.5 9.8 9.8
25-21 16-11 8 6 10-11 14 25

		1104	70		
148				10.0	94.7
T.P.	12.24	1116	27	0.67	1104.03
149				11.2	05.1
BM #2				9.72	1106.35
T.P.	1183	1127	26	0.84	1115.43
+75				13.2	14.1
150				11.3	16.0
151				3.4	23.9
T.P.	11.40	1137	.23	1.43	1125.83
152				5.2	32.0

1106.35

+2.8 +2.1 -1.8 -0.2 0.0 -0.4 -1.3 +0.3 +0.5
7.2 7.9 11.8 10.2 10.0 10.4 11.3 9.7 9.5
25 21 16-15 11 5 7 10 18-25

+0.8 -0.8 -1.3 -2.1 -0.2 0.0 -0.5 -1.3 -0.7 +0.9 +0.4
10.9 12.0 12.5 13.3 11.4 11.2 11.7 12.5 11.3 10.3 10.8
25 22 20 18 15 4 6 8 15 25

on N.W. root 18" Elm, 23' Rt. Sta. 11+08

+2.5 0.0 -1.1 -0.3 0.0 -0.1 -0.7 +2.7
10.7 13.2 11.3 13.5 13.2 13.3 13.9 10.5
25-23 16 15-14 11 6 8 15-25
Rock shows in ditches

+3.3 +3.0 -0.8 -0.1 0.0 -0.1 -0.7 +0.1 +2.9 +4.0
8.0 8.3 12 11.4 11.3 11.4 12.0 11.2 8.4 7.2
25 20 14 11 00 5 6-7 9 12 15-25
Rock shows in ditches

+2.9 +1.4 -1.0 -0.3 0.0 -0.1 -0.7 +2.8 +5.1
0.5 2.0 4.4 3.7 3.4 3.5 4.1 0.6 -1.7
25-17 14 11 8 5 7 11 15 25
some rock

+0.2 -0.1 -1.6 -0.1 0.0 -0.4 -1.2 +0.5 +0.7
5.0 5.2 6.8 5.7 5.2 5.6 6.4 4.7 4.5
25 22 10 9 8 10 13 25

		1137	23		
+25				3.6	33.6
T.P.	10.97	1147	3 29	0.91	1136.32
153				10.9	36.4
154				6.8	40.5
155				1.0	46.3
T.P.	11.08	1157	2 19	1.18	1146.11
B.M.#13				5.72	1151.45 1151.47
156				6.5	50.7
157				2.5	54.7
T.P.	6.27	1163	25	0.21	1156.9[illegible]

✓

-0.4 -1.0 -0.3 0.0 -0.5 -1.2 -0.2 +0.3

25- 4.0/12 4.6/11-10 3.9/8 3.6 4.1/9 4.8/11 3.8/13 3.3/25

+0.3 -1.3 -0.3 0.0 -0.5 -1.4 +1.2

25- 10.6/12 12.2/11-9 11.2/6 10.9 11.4/7 12.3/9 9.7/15-25

+1.6 +1.0 -1.5 -0.5 0.0 -0.5 -1.2 +2.2 +2.7

5.2/25 5.8/12 8.3/10-8 7.3/6 6.8 7.3/6 8.0/8 4.6/15 4.1/25

-0.1 -1.3 -1.9 -0.6 0.0 -0.5 -1.3 +2.3 +2.6

1.1/25 2.3/12 2.9/11 1.6/7 1.0 1.5/6 2.3/[illegible] -1.3/15 1.6/25

On S. root 18" "bitter" nut 40' Lt sta 155+50

+1.7 +1.2 +0.4 -0.9 -0.2 0.0 -0.4 -0.8 +1.0 +2.8

4.8/25 5.3/15 6.1/11 7.4/10-9 6.7/6 6.5 6.9/8 7.3/10-12 5.5/18 3.7/19-25

+1.3 +0.5 -0.7 -0.3 0.0 -0.1 -0.5 +1.0 +2.5

1.2/25 2.0/12 3.2/10 2.8/9 2.5 2.6/8 3.0/10-12 1.5/15 0.0/25

1163 2.5

158			4.8	58.5
+25			3.8	59.5
159			3.6	59.7
+18 ℄ 12" C.I.P. Good				
			3.5	59.8
T.P.	10.62	1171	12	2.75 1160.50
160			10.1	61.0
161			7.7	63.4
162			4.9	66.2 ✓

+0.7 -0.1 -1.0 -0.4 0.0 -0.6 -1.2 +0.7 +1.0

4.1 4.9 5.8 5.2 4.8 5.4 6.0 4.1 3.8

25 14 12 9 7 10 11 17-25

-0.3 -1.0 -0.5 0.0 -0.5 -1.1 +0.4

4.1 4.8 4.3 3.8 4.3 4.9 3.4

25-1.7 12 8 6 9 13-25

-2.6 -2.1 -1.5 -0.4 0.0 -0.2 -1.4 -1.0 +1.0

6.2 5.7 5.1 4.0 3.6 3.8 5.0 4.6 2.6

25 17 9 6 6 10-14 15-19 25

9' 9'

scr. thru pipe

-2.6 -2.0 -0.7 0.0 -0.7 -1.9 -1.2

6.1 5.5 4.2 3.5 4.2 5.9 4.7

19 10 9 9 T.P. EL. 20

-0.2 -1.2 -1.1 -1.5 -0.6 0.0 -0.4 -1.6 -0.7

10.3 11.3 10.2 11.6 10.7 10.1 10.5 11.7 11.0

25 19 10 9 6 8 14 16-25

+0.7 +0.3 -0.3 -1.2 -0.6 0.0 -0.5 -0.9 +0.1 +0.5

7.0 7.4 8.0 8.9 8.3 7.7 8.2 8.6 7.6 7.2

25 17 12 11 8 9 13 15 25

+0.8 +0.3 -0.1 0.0 0.0 -0.3 -0.8 +0.3 +1.2

4.1 4.6 5.3 4.9 4.9 5.2 5.7 4.6 3.7

25 11 9-7 3 10 14 16 25

		1171/12		
T.P.	10.76	1179.47	2.41	1168.71
163			10.3	69.2
164			6.8	72.7
165			3.5	76.0
+50			2.0	77.5
T.P.	5.19	1183.43	1.23	1178.24
166			5.4	78.0
167			5.1	78.3
168			4.6	78.8 ✓

+1.6 +0.2 -0.8 -0.3 0.0 -0.2 -1.0 +0.1 +0.4
8,7 10,1 11,1 10,6 10,3 10,5 11,3 10,2 9,9
25-20 13 10-7 7 12 14 25

+1.3 -0.4 -1.8 -0.6 0.0 -0.4 -1.2 0.0
5,5 7,2 8,6 7,4 6,8 7,2 8,0 6,8
25 14 10 8 6 11 13-25

+1.0 +0.1 -1.4 -0.4 0.0 -0.3 -1.4 -0.3 +0.3
2,5 3,4 4,9 3,9 3,5 3,8 4,9 3,8 3,2
25 12 9 6 7 12 15 25

+0.4 -1.0 -1.3 -0.3 0.0 -0.1 -1.2 -1.3 -1.2
1,6 3,0 3,3 2,3 2,0 2,1 3,2 3,3 3,2
25 12 8 5 8 12 20- 25

+0.6 -1.2 -0.4 0.0 -0.3 -1.5 -1.3
4,8 6,6 5,8 5,4 5,7 6,9 6,7
25 10-8 5 8 15 16-25

+0.1 -0.9 -0.7 0.0 -0.3 -1.2
5,0 6,0 5,8 5,1 5,4 6,3
25 16 8 8 13-25

+0.7 +0.3 -0.9 -0.4 0.0 -0.2 -1.2
3,1 4,2 5,5 5,0 4,6 4,8 5,8
25 20 16-11 8 8 12 25

		1183 43			
169				3.8	79.6
T.P.	5.44	1185 21		3.66	1179.77
170				4.8	80.4
171				4.7	80.5
T.P. F.G.T. Oct 30th 1919	+5.85	1186.36		4.68	1180.53
172				5.90	80.5
173				4.6	81.8
174				5.6	80.8
175				8.5	77.9
176				11.4	75.0
T.P.				11.63	1174.73
+55	+4.53	1179.26			
+55				4.8	74.5

+0.5 -1.0 -0.6 0.0 -0.3 -1.2 -1.5
3.3/25 4.8/17-12 4.4/8 3.8 4.1/8 5.0/14 5.3/19-25

+0.4 -1.1 -0.8 -0.4 0.0 -0.4 -2.0 -1.0
4.4/25 5.9/17 5.6/6 5.0/3 4.8 5.2/8 6.8/15-20 5.8/25

+0.6 -0.9 -0.5 0.0 -0.1 -1.7 -1.3
4.1/25 5.6/17-8 5.2/6 4.7 4.8/7 6.4/14-20 6.0/25

-0.6 -1.4 -0.9 0.0 -0.1 -1.4 -1.4 -1.3
6.5/25 7.3/18 6.8/11 5.9 6.0/7 7.3/11 7.3/13 7.2/18&25

+0.4 -0.7 -0.3 -0.6 -0.1 0.0 -0.4 -1.2 -0.8
4.25/25 5.3/15 4.9/10 5.2/7 4.7/3 4.6 5.0/8 5.8/12 5.4/25

+1.3 +0.5 -0.7 0.0 0.0 0.0 -0.5 -0.3 -0.2
4.3/22&25 5.1/13 6.3/9 5.6/3 5.6 5.6/8 6.1/17&13 5.9/13 5.8/25

+2.6 +1.4 -0.6 -0.2 0.0 -0.1 -0.6 +1.8
5.9/20&25 7.1/14&16 9.1/8 8.7/3 8.5 8.6/8 9.1/12 6.7/20&25

+1.9 +1.5 -0.1 -0.4 +0.1 0.0 +0.1 -0.7 -0.2 +1.2
9.5/25 9.9/19 11.5/15 11.8/10 11.3/4 11.4 11.3/7 12.1/14 11.6/16&18 10.2/21&25

→ Sluice ← Cond. fair

12" C.I.P. [9.8 ⨯ 8.3 | 18' Long →

Sec. thru sluice

6.4/20 6.9/10 5.2/8 4.8 5.1/5 5.8/8 7/9 7.5/20 +9 ft R.

-1.6 -2.1 -0.4 0.0 -0.3 -1.0 -2.2 2.7

		1179.3 2.6		
177			5.0	74.3
178			5.3	74.0
179			7.0	72.3
180			8.6	70.7
181			10.4	68.9
T.T.			-9.93	1169.34
T.S.M.S.K	+5.16	1179.25		1174.09
	+3.19	1172.82		
182			5.3	67.5
183			6.0	66.8
+34				
+34				
+34			6.0	66.8
184			6.0	66.8 ✓

Sluice

+1.0 0.0 −0.4 −0.1 0.0 −0.4 −1.3 −2.5

4.0 5.0 5.4 5.1 5.4 6.3 2.5
25. 21. 11. 4. 5.0 8. 12. 25.

+1.5 +0.6 −0.6 −0.1 0.0 −0.3 −1.0 −0.1
3.7 4.7 5.9 5.4 5.6 6.3 5.4
25. 17. 7 & 10. 4. 5.3 6. 10. 7 12. 14. & 25.

+0.4 −0.1 −0.9 −0.6 0.0 −0.3 −1.5 −1.6
6.6 7.1 7.9 7.6 7.3 8.5 8.6
25. 14. 10. 6. 7.0 8. 13. 20. & 25.

+1.6 +0.6 −1.5 −0.8 0.0 −0.2 −1.1 −0.6 −0.4
7.0 8.0 10.1 9.4 8.7 9.7 9.2 9.0
25. 14. 9. 6. 8.6 8. 13. 14. 25.

+0.8 +0.1 −0.5 −1.0 −0.6 0.0 −0.3 −0.8 +0.4 +0.2
9.6 10.3 10.9 11.4 11.0 10.7 11.2 10.0 9.5
25. 19. 9. 7. 5. 10.4 8. 11. & 13. 17. 22. & 25.

+1.0 −0.1 −0.9 0.0 −0.2 −0.7 0.0
4.3 5.7 6.2 5.3 6.0 5.3
25. 9. 5. 5.3 9. 19. 18. 25.

+0.3 −0.7 0.0 −0.2 −0.9 −1.4
5.7 6.7 6.2 6.9 7.4
25. 12. 6.0 9. 12. 25.

12" C.I.P. Sluice cond. good

6.0'
10.5'

Section thru sluice.

−1.0 −1.4 −2.7 −0.7 0.0 −0.6 −2.5 −3.4
7.0 7.6 8.2 6.7 6.6 8.2 9.4
15. 10. 17. 6. 6.0 9. 11. & 20. 35.

+1.7 +1.1 −0.8 −0.1 0.0 −0.1 −0.5 +0.4 +0.8
4.3 4.9 6.3 5.1 6.1 6.5 5.6 5.2
25. 14. 8. & 11. 3. 6.0 9. 13. 19. 25.

Rain

185		1172.82	4.8	68.0
186			6.5	66.3
187			8.3	64.5
+89 (Sluice)				
+89			7.2	65.6
188			8.1	64.7
+45			7.3	65.5
TP			-7.59	1160.29
	+7.53	1172.76		
				1166.1
BM.	6.56		-6.57	1166.19
	100	ft. S. & Chill.	6.2	66.6
	200	" " " "	6.7	66.1
	100	" N. & "	7.1	65.7
	200	" " " "	6.0	66.8
	100'	E. & Center Rd.	4.7	68.1
	200'	" " " "	4.0	68.8

+1.0 +0.5 −0.6 −0.6 0.0 +0.3 0.0 −0.2 +0.3

3.8/23 25 4.3/10.0 5.4/8.8 5.4/4. 4.8 4.5/6. 4.8/10. 5.1/15. 4.5/25.

+1.4 +1.7 +0.8 −0.6 0.0 +0.4 +0.3 −0.1 0.0

5.1/25. 4.8/20. 5.7/11. 7.1/6. 6.5 5.9/7.0 6.2/12. 6.6/16. 6.5/25

+3.2 +2.6 −0.5 0.0 +0.5 −0.1 −0.9 +0.4

5.1/25. 5.7/15. 4.8 8.8/5. 8.3 7.8/10. 8.4/16. 9.2/19. 7.9/25.

Stone Box. Culvert 2½' x 3' x 25'.

Condition Good – S.W. Parapet on the ground but OK.

Par. 2' x 2' x 6'. [2' 6"] ← 3' → ← 22' →

Top of cover stone

3.8 −0.9

Top of Parapet 11.0 or 15 −4.1 11.3/4. → 5.6/3. +1.6 0.0 7.2 +0.1 2.1/10. −1.0 8.1/21 See thru Culvert −4.5 11.7/22 12.5/(30.) −5.3 flo. →

−0.9 −1.2 −0.1 0.0 +0.8 +0.6 −0.8 −3.3

9.0/25. 9.3/3. 8.2/2. 8.1 7.3/11. 7.5/16. 8.9/22. 11.4/25.

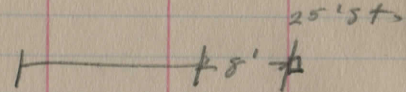
−1.2 −0.1 +0.2 0.0 +0.1 −0.4 −1.2 −3.4

8.5/35. 7.4/25. 7.1/14 7.3 7.2/14. 7.7/25. 8.5/30. 10.7/35.

Side Culv. at 8+10
O.K.

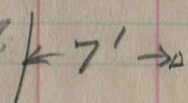
16" CI 28' Long

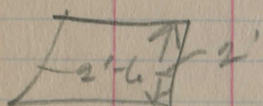
3+75



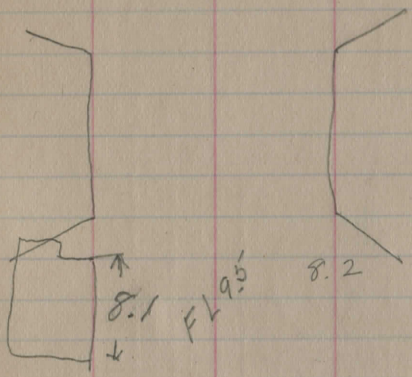
Cul 1+10

40' Long.





Bridge 134 + 35



PAGE 58 WAS

MISSNG FROM THE BOOK

Elev. Bridge 127+50

West Abut 1018.22

East Abut 1016.86

1011.70 B.M.
6.59
1018.29

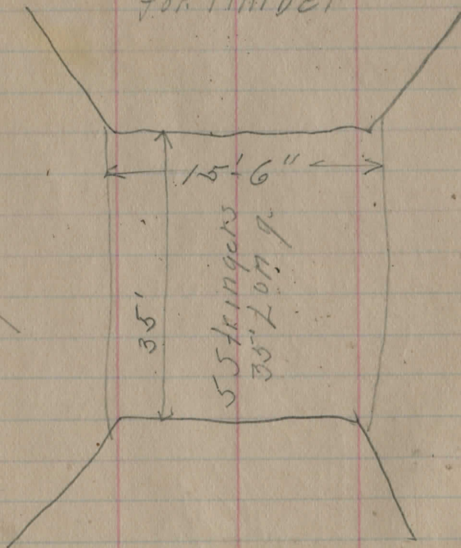
1018.29
1016.86
1.43

1010
1009.75

1011.70
5.30
1017.00
1010
7.00

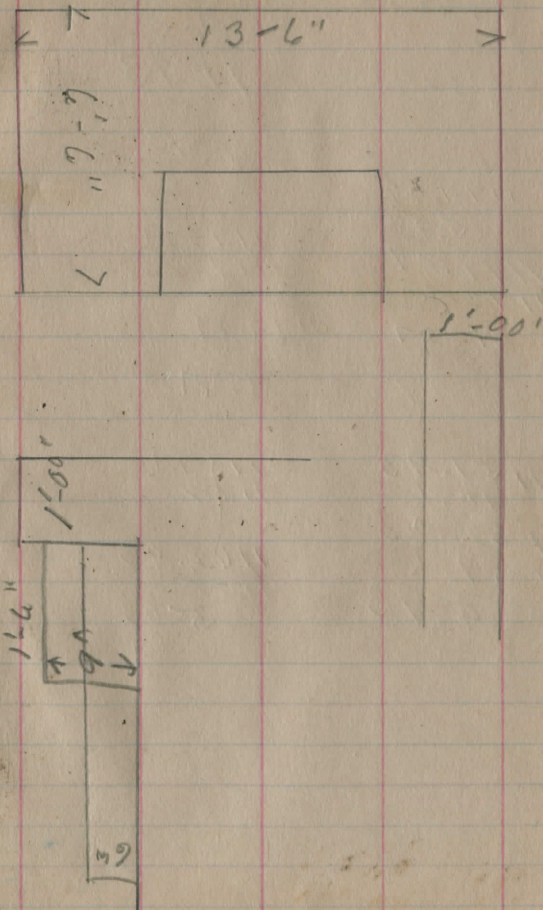
34' by 15'.6" Bridge Flooring

for timber



35
5
175

15 5
34
620
465
527.0



1174.09
2.34

1176.43
1165
11.43

1165
1164.5

1176.43
1164.5
11.93
5
11.43

1174.09
5.78
1179.87
1172.4
7.47

1172.4
1172.2

1179.87
1172.2
7.67

1151.43
10.6
1162.03
1157.4
4.43

1157.4
1158

1162.03
1158
5.03
3.03

ER

TABLE OF INCHES REDUCED TO DECIMALS OF A FOOT.

Bainbridge, at X Roads, in E. culv.
w. side of road; aluminum tablet
stamped 1166 Adj. 1903 Elev = 1,166.180 Ft.

Sta 0+0. = 1096.38
B.M. 12" Maple. Spike Elev = 1098.64

Chillicothe Rd.
Nail in notch of Elm Rt.
Elev = 1206.52

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	7/8	.2396	1/8	.3438	3/8	.4479	5/8	.5521	7/8	.6563	1/8	.7604	3/8	.8646	5/8	.9688
7/16	.0365	11/16	.1406	15/16	.2448	3/16	.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	7/8	.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		