CHILLICOTHE ROAD

CHESTER TWP.

70

LEVEL BOOK

744

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

CHILLICOTHE ROAD
CHESTER TWP.
GEAUGA CO, O..
1921

B.R. Kenney
Co. surveyor-

Benchmarks - pg. 1-7
X-Sections - pg. 9-50

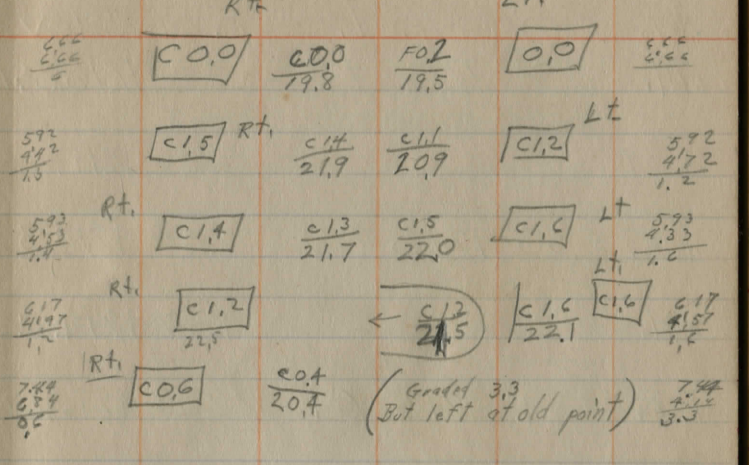
(70)

8-4-22

Minna Gray Sperry

Slopes for Grd. change Seminary Hill.

B.M.	6.11	1272.44		66.33
101+50			6.66	65.78
101			5.92	66.52
+75			5.93	66.51
+50			6.17	66.27
100			7.44	65.00



10-14-'21
Fair-Fine

BENCH MARKS

Hanna
Gray
Thompson

Sta.	B.S.	H.I.	F.S.	Elev.	
B.M.	0.57	1217.45		1216.881	U.S.G.S.B.M., N.W. cor. Cottrell's store Bronze tablet "1217 Cleveland.
Temp.B.M.			5.16	1212.29	x on S.W. cor S. Head Wall of x Roads.
T.P.	5.53	1215.89	7.09	1210.36	
B.M.			1.57	1214.32	Staple in N.W. root 18" Maple 74+60, 30' Rt.
T.P.	1.34	1215.01	2.22	1213.67	
B.M.			8.23	1206.78	Staple in W. root 24" Maple 30' Rt. Sta. 59+20
T.P.	7.75	1210.52	12.24	1202.77	
B.M.			3.30	1207.22	Staple in N.W. root 2nd Maple S. of D.W. Rt. 51+30
T.P.	0.95	1199.09	12.38	1198.14	
T.P.	0.01	1187.01	12.09	1187.00	
B.M.			8.87	1178.14	Staple in S.E. root 24" Maple 30' Lt. Sta 40+95
T.P.	0.66	1175.15	12.52	1174.49	

✓

		1175.15			
T.P.	0.12	1162 28	12.99	1162.16	
B.M.			3.17	1159.11	B.M. x on N.W. Cor. W. Head Wall Con. Culv. 33+85
T.P.	0.60	1149 94	12.94	1149.34	
B.M.			9.61	1140.33	x on W. end N. Head Wall of Culv. over Rd to Rt.
T.P.	0.21	1137 47	12.68	1137.26	
B.M.			7.24	1130.23	Staple in E root 24" Maple 30° Lt. Sta. 20+70
T.P.	8.91	1138 69	7.69	1129.78	
T.P.	7.03	1141 30	4.42	1134.27	
B.M.			4.12	1137.18	Staple in E. root, 20" Maple 30° Lt. Sta 1 +45
T.P.	0.29	1129 52	12.01	1129.23	Noon
T.P.	0.87	1117 81	12.58	1116.94	
B.M.			9.31	1108.50 1108.70	2nd step to Novelty Store

✓

10-17-21
Fair-Breezy

B. M.s North

Hanna
Grau
Thompson.

	(+) B.S.	H.I.		(−) F.S.	Elev.	
B.M.	5.60	1217	89		1212.29	x on S.E. Cor. S. Head Wall of X Rds.
T.P.	9.59	1227	29	0.19	1217.70	
T.P.	7.81	1234	78	0.32	1226.97	
B.M.				4.29	1230.49	Staple in E. root 15" Maple 25' Lt. Sta 88+90
T.P.	10.49	1245	02	0.25	1234.33	
T.P.	11.73	1256	30	0.45	1244.57	
T.P.	11.96	1267	63	0.63	1255.67	
T.P.	3.95	1271	33	0.25	1267.38	
B.M.				5.00	1266.33	Staple in W. root 24" Elm, 35' Rt. Sta 102+18
T.P.	0.31	1258	99	12.65	1258.68	
T.P.	0.42	1248	68	10.73	1248.26	
T.P.	1.80	1239	01	11.47	1237.21	
B.M.				2.28	1236.73	Staple in W. root 10" Maple, 23' Rt. Sta 111+20

Sta.	B. S.	H. I. 1239.01	F. S.	Elev.	
T.P.	2.72	1230 49	11.24	1227.77	
T.P.	0.42	1218 58	12.33	1218.16	
B.M.			7.67	1210.91	Staple in W. root 12" Maple, 26 Rt. Sta. 125+14
T.P.	0.38	1207 61	11.35	1207.23	
B.M.	0.68	1197 34	10.95	1196.66	Staple in W. Root 30" Elm 30' Rt. Sta. 131+80
T.P.	3.19	1190 85	9.68	1187.66	
B.M.			3.50	1187.35	Staple in S.E. root 18" Locust 30' Lt. Sta 144+60
T.P.	0.61	1179.76	11.70	1179.15	
T.P.	8.40	1177 75	10.41	1169.35	
B.M.			3.02	1174.73	Staple in N.W. root 14" Maple, 25' Rt. Sta. 162+10
T.P.	0.41	1166 80	11.36	1166.39	
T.P.	10.27	1172 02	5.05	1161.75	
T.P.	8.34	1176 43	3.93	1168.09	

		1176 43			
B.M.			3.62	1172.81	Staple in S.E. root 24" P. Hickory, 30' Lt 183+40
T.P.	0.22	1165 06	11.59	1164.84	
T.P.	0.82	1153 82	12.06	1153.00	
B.M.			2.29	1151.53	Staple in N.W. root 12" Walnut 30' Rt. Sta. 197
T.P.	0.89	1141 81	12.90	1140.92	
T.P. Noon	0.30	1140 49	1.62	1140.19	S.E. Cor. Con. porch floor to Store
B.M.			5.71	1134.78	Staple in SE. root 10" Maple 30' Lt. 206+27
T.P.	9.47	1144 83	5.13	1135.36	
T.P.	4.16	1141 71	7.28	1137.55	
B.M.			2.07	1139.64	Staple in N.W. root 12" Maple 30' Rt. 215+85
T.P.	0.79	1129 91	12.59	1129.12	
T.P.	0.49	1118 17	12.23	1117.68	
T.P.	0.20	1105 88	12.49	1105.68	

		1105 88			
T.P.	4.23	1098 04	12.07	1093.81	
B.M.			1.92	1096.12	Staple in E. root 12" ~~Maple~~ Elm, 85' Lt 225+75 Maple O.K.
T.P.	1.21	1089 60	9.65	1088.39	
T.P.	1.74	1083 68	7.66	1081.94	
B.M.			3.27	1080.41	Staple S.E. root 12" W. Cherry, 30' Rt., 240+10
T.P.	5.61	1081 76	7.53	1076.15	
T.P.	6.18	1077 53	10.41	1071.35	
B.M.			3.97	1073.56	Staple S.W. root, 14" Maple 27' Rt., 252+90
T.P.	9.90	1084 65	2.78	1074.75	
B.M.			+0.10	1084.75	Spike in S.W side 12" Apple 60' Lt. on Co line

✓

10-14-'21 P.M.
Fair-Fine

CROSS—

Sta.	B.S.	H.I.	F.S.	Elev.
B.M.	4.09	1141.27		1137.18
0			10.0	31.3
1			6.4	34.9
+75			4.5	36.8
2			4.3	37.0
3			4.5	36.8
4			5.6	35.7
5			6.5	34.8
6			6.3	35.0

SECTIONS

9

Hanna
Grau
Thompson

Lt. ℄ Rt

Staple in E. root 20" Maple 30' Lt. Sta 1+45

+2.0 +0.5 0.0 −1.5 −0.6 ●0 0.0 −0.8 +0.5 +2.2 +2.8
8.0 9.5 10.0 11.5 10.6 10.0 10.0 10.8 9.5 7.8 7.2
25-21 17 13 11 8 4 9 13 20 25
ends at +10

+1.1 +0.7 −1.0 −0.4 0.0 −0.1 −0.9 +1.7 +3.6
5.3 5.7 7.4 6.8 6.4 6.5 7.3 4.7 2.8
25 14 12 8 4 9 13 25

0.0 −0.1 −0.9 −0.5 0.0 −0.3 −0.8 +2.0 +3.8
4.5 4.6 5.4 5.0 4.5 4.8 5.3 2.5 0.7
25 12 14 10 4 9 13 25

−0.4 −0.8 0.0 0.0 −0.3 −0.8 +1.8 +2.5 +3.5
4.7 5.1 4.3 4.3 4.6 5.1 2.5 1.8 0.8
25 14 2 5 8 13 21 25

−0.5 −0.1 −0.8 0.0 0.0 −0.2 −0.6 +1.0 +1.9 +2.3 +3.8
5.0 4.6 5.3 4.5 4.5 4.7 5.1 3.5 2.6 2.2 0.7
25 12 13 3 4 8 10 13 17 25

−0.8 −0.3 −1.0 0.0 0.0 −1.0 +0.7 +1.9 +2.6
6.3 5.9 6.6 5.6 5.6 6.6 4.9 3.7 3.0
25 15 13 3 7 10 18 25

−1.4 −0.5 −0.9 −0.5 0.0 0.0 −0.3 −0.9 +0.3 −0.1 +0.6 +1.5
7.9 7.0 7.4 7.0 6.5 6.5 6.8 7.4 6.2 6.6 5.9 5.0
25 16 14 12 4 4 7 9 15 21 25

−1.7 −1.0 −1.7 −0.6 +0.1 0.0 −0.2 −1.0 −0.3
8.0 7.3 8.0 6.9 6.2 6.3 6.5 7.3 6.6
25 14 13 10 4 3 7-17 25

Sta.	B. S.	H. I. 1141	F. S.	Elev.
5+92 = 12" C.I.P.			6.1	35.2
T.P.	3.46	1138.29	6.44	1134.83
7		-	3.7	34.6
8		-	5.6	32.7
9		-	7.5	30.8
10		-	8.3	30.0
+35 = 12" C.I.P. Sec.			8.1	30.2
11		-	8.3	30.0
T.P.	8.27	1138.24	8.32	1129.97

✓ ✓

-1.8 -1.2 1.7 -1.9 -0.4 0.0 -0.4 -1.5 -1.0 -0.7 -0.3

7.9/25 7.3/17 7.8/14 7.5/11 6.5/9 6.1 6.5/5 7.5/6 7.1/8 6.8/15 6.9/25

12" C.I.P. sectional

Good cond. filled with dirt

< 16' >

-1.4 -0.9 -1.8 -0.5 +0.1 0.0 -0.1 +0.5 +0.9

5.1/25 4.6/15 5.5/14 4.2/10 3.6/4 3.7 3.8/8 3.2/10 2.8/25

+0.2 -0.4 -1.7 -0.2 +0.1 0.0 -0.8 +1.7 +2.2 +2.6

5.4/25 6.0/15 7.3/14 5.8/8 5.5/5 5.6 6.4/7 3.9/11 3.4/16 3.0/25

+0.1 -0.4 -1.1 -0.3 +0.1 0.0 -1.0 -0.2 +1.1 +1.8

7.4/25 7.9/15 8.6/14 7.8/9 7.4/5 7.5 8.5/6-7 7.7/8 6.4/13 5.7/25

-1.9 -0.8 -1.2 -0.6 -0.1 0.0 -0.2 -1.3 -0.3 0.0

10.2/25 9.1/12 9.5/15 8.9/12 8.4/5 8.3 8.5/4 9.6/7-8 8.6/10 8.3/25

-4.3 -3.5 -3.0 -0.6 0.0 0.0 -0.2 -2.4 -1.4 -0.7

12.4/50 11.6/25 19-14 11.1 8.7/13 8.1/6 8.1 8.3/3 10.5/4-5 9.5/11 8.8/16

Good cond. < 16' >

-1.1 -1.2 -0.6 -0.8 +0.1 0.0 -0.4 -1.0 -0.1 +0.5

9.4/25 9.5/20 8.9/15 9.1/14 8.2/6 8.3 8.7/3 9.3/5 8.4/9 7.6/25

		113824		
12		- 7.6	30.6	
13		- 5.9	32.3	
14		- 4.8	33.4	
15		- 3.9	34.3	
16		- 3.9	34.3	
+60		- 4.4	33.8	
17		- 5.6	32.6	
18		- 8.0	30.2	
T.P.	4.17	113406	8.35	1129.89

✓ ✓

0.0 +0.1 −0.6 +0.3 0.0 −1.0 +0.3 +1.6 +2.3

0.1 | 7.6/25 | 7.5/14 | 8.2/13 | 7.3/4 | 7.6/1 | 8.6/6 | 7.3/8 | 6.0/12 | 5.3/25

−0.5 −0.1 −0.8 +0.2 0.0 −0.2 −1.0 −0.4 +0.5 +1.4

6.4/25 | 6.0/13 | 6.7/12 | 5.7/4 | 5.9/1 | 6.1/2 | 6.9/6-7 | 6.3/8 | 5.4/12 | 4.5/25

−1.0 −0.6 −1.1 0.0 0.0 −1.4 +0.7 +1.4 +1.7

0.7 | 5.8/25 | 5.4/13 | 5.9/12 | 4.8/3 | 4.8/1 | 6.2/8 | 4.1/12 | 3.4/14 | 3.1/25

−1.3 −0.7 −1.3 0.0 0.0 −0.4 −1.2 +1.5 +2.0

5.2/25 | 4.6/13 | 5.2/12 | 3.9/4 | 3.9/1 | 4.3/5 | 5.1/9 | 2.4/13 | 1.9/25

−0.5 −0.2 −1.2 +0.1 0.0 −0.5 −1.3 +1.3 +1.5

4.4/25 | 4.1/14 | 5.1/12 | 3.8/3 | 3.9/1 | 4.1/5 | 5.2/10 | 2.6/14 | 2.4/25

+0.2 +0.3 −1.5 −0.5 0.0 −0.4 −1.4 +1.2 +2.0

4.2/25 | 4.1/14 | 5.9/12 | 4.9/8 | 4.4/1 | 4.8/4 | 5.8/9 | 3.2/13 | 2.4/25

+0.8 +0.9 −1.4 −0.2 0.0 −0.3 −1.5 +1.6 +2.8

4.8/25 | 4.7/14 | 7.0/12 | 5.8/4 | 5.6/1 | 5.7/4 | 7.1/9 | 4.0/14 | 2.8/25

+0.7 0.0 +0.1 −1.1 −0.4 0.0 −0.2 −1.2 0.0 +1.5 +2.0

7.3/25 | 8.0/20 | 7.9/13 | 9.1/12 | 8.4/7 | 8.0/1 | 8.3/4 | 9.2/10 | 8.0/12 | 6.5/13 | 6.0/25

			11340.6			
12	19			-	4.3	29.8
13	20			-	4.5	29.6
14	+75			-	5.1	29.0
			Diff of 0.07			30.23
	B.M.	3.90	1134.13		3.90	1130.16
15	21			-	5.8	28.3
16	22			-	8.3	25.8
	Temp B.M.	8.89	1136.11		6.91	1127.22
+6						
	22+95	2½×2½ Stone Box			10.2	25.9
17						
18	23			-	10.2	25.9
Ti						

Sta. 19: -1.1 5.4/25; -0.8 5.1/13; -1.6 5.9/11; -0.7 5.0/8; 0.0 4.3; -0.3 4.6/4; -1.6 5.9/11; -0.3 4.6/13; 0.0 4.3/25

Sta. 20: -0.3 4.8/25; -1.0 5.5/14; -1.7 6.2/13; -0.5 5.0/9; -0.1 4.6/4; 0.0 4.5; -0.2 4.7/4; -0.9 5.4/11; -0.4 4.9/14; -0.1 4.6/25

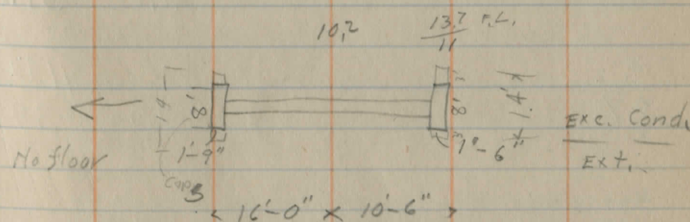
Sta. +75: +0.6 4.5/25; -0.6 5.7/16; -2.1 7.2/15-14; -0.9 6.0/11; +0.3 4.8/4; 0.0 5.1; -0.5 5.6/6; -2.2 7.3/10-11; -1.1 6.2/12; 0.0 5.1/15; +0.4 4.7/25

E. root 24" Maple 30' Lt. Sta 20+70

Sta. 21: +0.6 5.2/25; -0.6 6.4/17; -2.1 7.9/15 14; -0.5 6.3/10; +0.2 5.6/5; 0.0 5.8; -0.6 6.4/5; -2.4 8.2/9-10; +0.7 5.1/15; +1.1 4.7/25

Sta. 22: +0.4 7.9/25; -0.3 8.6/20-17; -1.1 9.4/15-15; -0.1 8.4/10; 0.0 8.3; -0.2 8.5/4; -1.4 9.7/8-9; -0.4 8.7/10-12; +1.9 6.4/16; +2.6 5.7/25

x S.E. Cor. W. parapet.



Sta. 23: -1.9 12.1/25; -1.5 11.7/20; -2.5 12.7/19-18; -0.5 10.7/16; +0.2 10.0/6; 0.0 10.2; +0.1 10.1/10; -1.5 11.7/14; -3.3 13.5/15-16; -1.8 12.0/18; -2.3 12.5/25

		1136	11		
24			- 9.3	26.8	
25			- 7.1	29.0	
26			- 2.7	33.4	
T.P.	9.61	1145	16	0.56	1135.55
+70			- 7.1	38.1	
+77 -	℄ Rd.			6.7	38.5
				4.6	40.6 -
				4.5	40.7
				6.8	38.4
				7.9	37.2
B.M.				1.84	1140.32
27			- 5.5	39.7	
28			- 3.7	41.5	
29			- 1.4	43.8	
T.P.	9.89	1154	59	0.46	1144.30

-0.4 -1.1 -0.6 -0.1 0.0 -0.5 -2.0 +0.2 +0.4
9.7 10.4 9.9 9.4 9.3 9.8 11.3 9.1 8.9
25-18 17-16 14 7 11 14-15 17 25

+2.1 -0.6 -1.6 -0.7 +0.1 0.0 -0.4 -2.0 +0.5 +1.1
5.0 7.7 8.7 7.8 7.0 7.1 7.5 9.1 6.6 6.0
25-23 20-19 17 14-11 3 9 13-14 20 25

+1.6 -0.3 -0.1 0.0 -0.3 -1.3 +0.8 +1.6
1.1 3.0 2.8 2.7 3.0 5.0 1.9 1.1
25 16 13 11 15-17 21 25

T.Ve in Lt. ditch

-0.4 -0.5 +0.2 -0.2 0.0 +0.6 -2.1
7.5 7.6 6.9 7.3 7.1 6.5 9.2
25 17 11 3 19 25 of S. end Culv.

& E & W Rd.
25' Rt. top Culv.
50' Rt.
25' Lt
50' Lt.
Take Lt. Ditch water W. along W. road ditch
x on N. Head Wall

-1.7 -0.7 0.0 +0.5 -3.3
7.2 6.2 5.5 5.0 8.8
30 25 19 25

-1.1 -0.4 -1.4 -0.6 0.0 -0.5 -2.2 -0.5 +0.2
4.3 4.1 5.1 4.3 3.7 4.3 5.9 4.2 3.5
25 15 13-11 9 10 14-16 18-23 5

-1.4 -0.7 -1.5 -0.5 0.0 -0.5 -1.2 -0.6 -0.2
3.0 2.1 2.9 1.9 1.4 1.9 2.6 2.0 1.6
25 13 11 8 11-12 14 25

		1154.59		
30		– 8.1		46.5
31		– 3.8		50.8
T.P.	8.24	1161.37	1.46	1153.13
32		– 5.1		56.3
+55			4.0	57.4
33		– 4.5		56.9
+80	3×2½ Con Box		3.7	57.7
34		– 3.9		57.5
35		– 3.3		58.1
BM.			2.28	1159.09

+1.6 +1.3 +0.1 -1.2 -0.1 0.0 -0.3 -1.3 -0.4 -0.1 +0.7
6,5 6,8 8,0 9,3 8,2 8,1 8,4 9,4 8,5 8,2 7,4
25 20 14 12-10 4 7 10-11 12 21 25

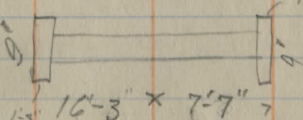
-0.1 0.0 -0.8 -0.1 +0.1 0.0 -0.1 -1.2 +1.4 +1.8 +2.6 +3.2
3,9 3,8 4,6 3,7 3,7 3,8 3,9 5,0 2,4 2,0 1,2 0,6
25 16 13 9 4 4 9-10 13 18 20 25

-0.8 -0.7 -1.2 -0.2 +0.2 0.0 +0.1 +1.7 +2.6
5,9 5,8 6,3 5,3 4,9 5,1 5,0 3,4 2,5
25 17 15 9 4 9 14 25

-1.3 -1.3 -1.7 -0.1 +0.1 0.0 -0.7 -0.2 +1.7
5,3 5,3 5,7 4,1 3,9 4,0 4,7 4,2 2,1
25 17 15 9 5 8 10-13 25

-0.7 -1.2 -1.3 -0.2 +0.3 0.0 -0.1 -1.1 +0.1 +1.3 +2.9
5,2 5,7 5,8 4,7 4,2 4,5 4,6 5,6 4,4 3,2 1,6
25 23-17 15 11 6 3 7-8 11 18 25

0.0 -3.6 -1.4 -0.5 +2.4
3,7 7,3 5,1 4,2 1,3
6 8 14 18 25



3×2½ Con. Box
Rt. H.W. cracked vertically

-2.3 -3.0 -1.9 -0.2 +0.3 0.0 -0.1 -2.1 -2.9 -1.2 -1.8 +1.7
6,2 6,9 5,9 4,1 3,6 3,9 4,0 6,0 6,8 5,1 5,0 2,2
25 23 19 11 6 6 11 12-13 15 19 25

-1.2 -0.9 -1.3 -0.5 0.0 0.0 -0.3 -1.6 -0.3 -0.6 -0.1
4,5 4,2 4,6 3,8 3,3 3,3 3,6 4,9 3,6 3,9 3,4
25 17 16 11 4 5 9-10 11 19 25

X on N.W. Cor. W. Head Wall Con. Culv. 33+85

10-15-'21
Fair-Finer

Sta	B.S.	H.I.		F.S.	Elev.
B.M.	10.05	1169	16		1159.11
36			-	9.7	59.5
37			-	7.4	61.8
38			-	3.8	65.4
T.P.	10.06	1178	94	0.28	1168.38
39			-	10.7	68.2
40			-	8.0	70.9
B.M.				0.79	1178.15
41			-	3.8	75.1
T.P.	11.68	1189	79	0.83	1178.11
42			-	11.5	78.3
43			-	9.0	80.8
44			-	6.0	83.8

Hanna
Grau
Thompson

15

Lt. & Rt.

-0.5 -0.1 -1.1 0.0 0.0 -0.5 -1.4 -0.1 +1.3 +2.4 +3.9
10.2/25 9.8/15 10.8/13 9.7/4 9.7 10.2/5 11.1/9 9.8/12 9.4/16 7.3/23 5.8/25

+1.4 +1.0 -1.1 -0.5 +0.1 0.0 0.0 -0.7 -0.3 +3.9 +3.6
6.0/25 6.4/16 8.5/13 7.9/10 7.3/5 7.4 7.4/5 8.1/9 7.7/11 3.5/19 3.8/25

+0.8 +0.7 -1.0 -0.5 +0.2 0.0 +0.1 -1.3 -1.0 +2.4 +2.3
3.0/25 2.9/15 4.8/12 4.3/10 3.6/5 3.8 3.7/6 5.1/9 4.8/10-12 1.4/15 1.5/25

+1.8 +0.8 +0.1 -1.2 -0.3 +0.2 0.0 -0.2 -1.1 -0.8 +0.7 +1.3
8.9/25 9.9/22 10.6/14 11.9/12 11.0/9 10.5/4 10.7 10.9/7 11.8/10 11.5/13 10.0/16 9.4/25

+2.3 +1.7 +0.8 -1.0 -0.2 +0.2 0.0 -0.3 -1.0 +1.4 +2.5
5.7/25 6.3/17 7.2/14 9.0/12-11 8.2/7 7.8/3 8.0 8.3/9 9.0/11-14 6.6/18 5.5/25

Staple in S.E. root 24" Maple 30' Lt. Sta 40+95

+2.2 +1.0 -2.2 -0.2 +0.2 0.0 -0.3 -1.3 +1.2 +2.1
1.2/25 2.8/15 6.0/11 4.0/8 3.6/3 3.8 4.1/8 5.1/10-12 2.6/15 1.7/25

+1.5 +0.6 -1.5 -0.4 +0.1 0.0 -0.1 -1.4 +0.7 +1.2
10.0/25 10.9/15 13.0/12 11.9/9 11.4/2 11.5 11.6/8 12.9/11 10.8/14 10.3/25

+1.0 +0.1 -1.1 -0.2 +0.2 0.0 -0.2 -1.2 +0.4 +1.2
8.0/25 8.9/15 10.1/13 9.2/9 8.8/3 9.0 9.2/7 10.2/11-13 8.6/15 7.8/25

+0.4 -0.4 -1.6 -0.6 0.0 0.0 -0.4 -1.7 +0.1 +1.3
5.6/25 6.4/15 7.6/13 6.6/9 6.0/4 6.0 6.4/6 7.7/10-11 5.9/14 4.7/25

		1189	79				
45				α	4.0	85.8	+0.5 3.5/25 · +0.2 3.8/16 · -1.1 5.1/14-13 · -0.5 4.5/10 · -0.1 4.1/4 · 0.0 4.0 · -0.6 4.6/7 · -1.6 5.6/9-10 · +0.1 3.9/11 · +1.3 2.7/15 · +2.3 1.7/25
46				-	1.8	88.0	-0.3 2.1/25 · 0.0 1.8/17 · -1.0 2.8/15 · -0.1 1.9/12 · +0.2 1.6/6 · 0.0 1.8 · +0.3 1.5/8 · -0.7 2.5/10 · +0.4 1.4/12 · +1.0 0.8/25
T.P.	12.77	1201	76		0.80	1188.99	
47				-	11.0	90.8	-0.9 11.9/25 · -0.6 11.6/17 · -1.4 12.4/16-15 · -0.5 11.5/12 · +0.2 10.8/5 · 0.0 11.0 · -0.1 11.1/5 · -1.1 12.1/9 · -0.4 11.4/12 · +0.5 10.5/25
48				-	8.4	93.4	-0.2 8.6/25 · -0.4 8.8/17 · -1.6 10.0/15 · -0.6 9.0/12 · +0.3 8.1/3 · 0.0 8.4 · -0.5 8.9/5 · -1.4 9.8/8 · -0.8 9.2/10 · -0.3 8.7/11 · +1.4 7.0/25
49				-	5.4	96.4	+1.1 4.3/25 · +0.5 4.9/20 · -1.4 6.8/16-15 · -0.6 6.0/13 · +0.3 5.1/5 · 0.0 5.4 · -0.2 5.6/6 · -1.1 6.5/9-10 · +0.9 4.5/14 · +1.9 3.5/25
50				-	2.0	99.8	+1.0 1.0/25 · +0.7 1.3/19 · -1.4 3.4/15-14 · -0.1 2.1/9 · +0.3 1.7/5 · 0.0 2.0 · +0.2 1.8/8 · -0.2 2.2/10 · +0.9 1.1/12 · +1.4 0.6/25
T.F.	7.13	1208	61		0.28	1201.48	
51				-	5.1	1203.5	-0.2 5.2/25-16 · -0.8 5.9/13 · -1.5 6.6/12-11 · -0.7 5.8/8 · +0.1 5.0/3 · 0.0 5.1 · -0.6 5.7/7 · -1.5 6.6/10-11 · +0.3 4.8/13 · +1.6 3.5/25
B.M.					1.35	07.22 12 07.26	Staple in N.W. root 2nd Maple S. of DW. Rt. 51+30
52				-	1.7	06.9	+0.1 1.6/25 · -0.1 1.8/13 · -1.0 2.7/10-9 · -0.4 2.1/7 · 0.0 1.7/1 · 0.0 1.7 · -0.4 2.1/11 · +1.1 0.6/17 · +1.6 0.1/25
+50		✓		—	0.7	07.9 ✓	+0.6 0.1/25 · +0.3 0.4/12 · -1.0 1.7/9 · -0.4 1.1/5 · 0.0 0.7 · -0.3 1.0/8 · -1.1 1.8/13 · +0.3 0.4/16 · +0.7 0.0/25

1208 61

53			-	1.7	06.9
54			-	4.5	04.1
55			-	7.3	01.3
T.P.	4.58	1205 68		7.51	1201.10
56			-	5.6	00.1
57			-	5.4	00.3
58			-	4.3	01.4
59			-	2.7	03.0
T.P.	9.47	1213 02		2.33	1203.35
B.M.				6.20	06.78 1206.82
60			-	7.8	05.2
61			-	4.0	09.0

✓ ✓

+1.2 -0.4 -0.5 0.0 +0.3 -0.3 -1.3 +0.6
0.5 2.1 2.2 1.7 1.4 2.0 3.0 1.1
25 11 7 4 10 14 17-25

+1.5 +0.4 -1.3 -0.3 0.0 +0.4 -0.2 -1.3 +0.1 +0.5
3.0 4.1 5.8 4.8 4.5 4.1 4.7 5.8 4.4 4.0
25 10 7 3 5 12 16 18 25

+1.9 +0.3 -0.6 0.0 +0.3 -0.1 -0.7 +0.1 +0.5
5.4 7.0 7.9 7.3 7.0 7.4 8.0 7.2 6.8
25 9 6-5 6 12 16 19 25

-0.7 -0.2 -0.4 0.0 +0.3 -0.2 -1.1 -0.7 -1.4
6.3 5.8 6.0 5.6 5.3 5.8 6.7 6.3 7.0
25 6 4 7 13 18 19 25

-2.8 -2.0 -1.9 -1.1 -0.7 -0.2 -0.5 00 0.0 -0.3 -1.1 -1.4 -0.8 -1.2 -3.1
8.2 7.4 7.2 6.5 6.1 5.6 5.7 5.4 5.4 5.7 6.5 6.8 6.2 6.6 8.5
200 150 50 25 11 7 6 6 12 15-16 17 17 100

T8 inlet field tile to Rt.

Road is water shed along here
Ditches should be opened into fields Rt. & Lt.

-0.6 -0.3 -0.7 0.0 +0.3 -0.3 -1.1 -0.5 -0.7
4.9 4.6 5.0 4.3 4.0 4.6 5.4 4.8 5.0
25 6 5-4 4 11 14-15 16 25

+0.7 +0.3 -0.6 -1.2 0.0 +0.1 -0.4 -1.2 -0.5 +0.5
2.0 2.4 3.3 3.9 2.7 2.6 3.1 3.9 3.2 2.6
25 14 11-7 6-5 3 9 13-14 15 25

.04
Staple in W root 24" Maple 30' Rt. Sta 59+20

5.2 5.3 7.6 9.0 8.1 7.8 7.6 8.0 9.4 8.1 6.6 6.1
25 16 12-10 8 4 3 8 13-14 15 21 25

+2.6 +2.5 +0.2 -1.6 -0.3 0.0 +0.2 -0.2 -1.6 -0.3 +1.2 +1.7

+2.3 +2.1 +0.2 -2.2 -0.6 00 -0.3 -1.4 00 +1.1
1.7 1.9 3.8 6.2 4.6 4.0 4.3 5.4 4.0 2.9
25 16 15-12 10-9 4 10 14-15 16 25

12 13 02

61+75			1.4	11.6
62			0.9	12.1
T.P.	5.52 Hoom.	12 17 76	0.78	12.24
63			5.0	12.8
64			4.9	12.9
65			4.5	13.3
66			4.2	13.6
67			4.0	13.8
68			3.5	14.3
69			4.6	13.2

+1.4 +0.9 -0.2 -0.6 -2.4 -0.3 0.0 -0.4 -1.7 0.0
0.0/25 0.5/18 1.6/17 2.0/14 3.8/12 1.1/11 1.7/7 1.4 1.8/10 3.1/15 1.4/25

+1.3 +0.6 -0.5 -0.7 -1.9 -0.4 0.0 -0.4 -1.3 -0.5 +0.3
0.4/25 0.3/19 1.4/16 1.6/13 2.8/12 1.3/11 0.9/6 1.3/10 2.2/14 1.4/15 0.6/25

+0.1 -0.4 -1.3 -0.4 0.0 -0.6 -1.4 -0.8 -0.6
4.9/25 5.4/13 6.3/11 5.4/6 5.0 5.6/10 6.4/14 5.8/15 5.6/25

+0.1 -0.4 -1.1 -0.5 0.0 -0.4 -1.3 -0.8 -0.7
4.8/25 5.3/19 6.0/12 5.4/10 4.9/7 5.3/9 6.2/14 5.7/15 5.6/25

-0.1 -0.2 -0.7 -1.5 -0.6 0.0 -0.5 -1.7 -1.1 -0.7
4.6/25 4.7/18 5.2/12 6.0/11 5.1/6 4.5 5.0/9 6.2/13 5.6/14 5.2/25

+0.2 -0.1 -1.4 -0.5 0.0 -0.3 -1.3 -0.6 -0.5
4.0/25 4.3/14 5.6/11 4.7/6 4.2 4.5/9 5.5/13 4.8/14 4.7/25

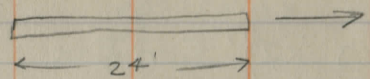
-0.1 -0.6 -1.4 -0.6 0.0 0.0 -0.5 -1.2 -0.6 +0.4
4.1/25 4.6/12 5.4/10 4.6/5 4.0 4.0/4 4.5/10 5.1/14 4.6/15 4.4/25

-0.4 -0.8 -1.3 -0.6 0.0 -0.6 -1.3 -0.7 +0.1
3.9/25 4.3/12 4.8/10 4.1/6 3.5 4.1/9 4.8/12 4.2/13 3.4/25

-0.4 -0.7 -1.4 -0.3 +0.1 0.0 -0.2 -1.0 -0.3
5.0/25 5.3/12 6.0/11 4.9/7 4.5/2 4.6 4.3/7 5.4/12 4.9/13-25

Sta.						Cross-sections
		1217.76				
70			-	4.9	12.9	+0.2 4.7/25, -0.5 5.4/14, -1.5 6.4/12, -0.5 5.4/8, 0.0 4.9/—, -0.3 5.2/7, -1.1 6.0/11, -0.3 5.2/13, -0.2 5.1/25
T.P.	5.52	1217.73		5.55	1212.21	
71			-	6.2	11.5	+1.2 5.0/25, -0.1 6.3/14, -1.2 7.4/11, -0.4 6.6/7, 0.0 6.2, -0.3 6.5/8, -1.1 7.3/11, +0.3 5.9/18, +1.9 4.3/25
72			-	6.8	10.9	-1.0 7.8/25, -0.8 7.6/17, -1.8 8.6/16, -0.6 7.4/14, -0.1 6.9/9, 0.0 6.8/—, -0.3 7.1/8, -1.9 8.7/12, -1.1 7.9/14, -1.8 8.6/25
+11	12" C.I.P. Sec.			6.7	11.0	-1.0 7.7/25, -0.9 7.6/18, -2.1 8.8/17, -1.8 8.5/13 FL., -0.8 7.5/12, -0.1 6.8/10, 0.0 6.7/—, -0.1 6.8/9, -1.6 8.3/11, -2.5 9.2/11 FL., -2.5 9.2/25 Ditch
73			-	6.6	11.1	+0.4 6.2/25, -0.2 6.8/15, -1.0 7.6/12, -0.3 6.9/7, 0.0 6.6/—, -0.6 7.2/6, -1.3 7.9/11, -0.2 6.8/12, -0.5 7.1/25
74			-	4.8	12.9	+1.2 3.6/25, -0.2 5.0/14, -1.2 6.0/10, -0.3 5.1/7, 0.0 4.8, -0.6 5.4/9, -1.3 6.1/13, -0.1 4.9/14, +0.4 4.4/17, +1.1 3.7/25
+30			-	4.3	13.4	+1.5 2.8/25, +0.4 3.9/15, -0.9 5.2/11, -0.2 4.5/5, 0.0 4.3/—, +0.2 4.1/4, -0.1 4.4/9, -0.7 5.0/14, +0.2 4.1/16, +0.9 3.4/25
75			-	6.1	11.6	+3.7 2.4/25, +1.0 5.1/12, +0.1 6.0/10, -0.3 6.4/8, 0.0 6.1/5, 0.0 6.1/—, +0.1 6.0/5, -0.1 6.2/11, -1.2 7.3/15-16, +0.4 5.7/17, +0.9 5.2/25
B.M.				3.39	1214.34 (14.32)	Staple in N.W. root 18" Maple 30' Rt. Sta 74+60

Good Cond.



	1217 73				
76			-	8.8	08.9
+40			-	9.5	08.2
77			-	10.7	07.0
T.P.	4.85	1211	34	11.24	1206.49
78			-	5.0	06.3
+15 ℄ 3' x 2½' Con. Box				4.7	06.6
Temp B.M. x N.W. Cor. W. Head Wall.				3.33	1208.01
79			-	4.2	07.1
80			-	2.0	09.3
+30			-	0.5	10.8

Lawn on Lt.

+3.7 +2.8 -0.2 +0.3 0.0 -0.1 -0.4 -1.2 -0.7 -0.4
5.1/25 6.0/15 9.0/10 8.5/7 8.8 8.9/7 9.2/11 10.0/15-16 9.5/17 9.2/25

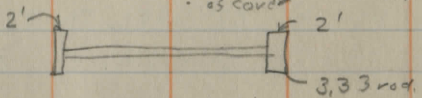
+4.2 +3.4 -1.3 -0.5 0.0 +0.2 -0.5 -1.3 -0.9 -0.7
5.3/25 6.1/17 10.8/8 10.0/5 9.5 9.3/4 10.0/11 10.8/15 10.4/16 10.2/20-25

+1.6 +0.1 -1.0 -1.5 -0.5 0.0 0.0 -0.3 -1.3 -0.8
9.1/25 9.6/21 11.7/14-12 12.1/10-9 11.2/5 10.7 10.7/4 11.0/10 12.0/15 11.5/16-25

-1.2 -2.0 -1.0 -0.4 0.0 -0.2 -1.9 -1.1 -1.2
25-6.2/18 7.0/16 6.0/15 5.4/9 5.0 5.2/7 6.9/12 6.1/13 6.2/18-25

0.0 -2.0 -3.3 -4.1
4.7 6.7 Bottom of cover 8.0 10 Ft. Dirt 8.8 Inlet to Drain Tile

Good Cond. floor



< 13'-3" x 9'-2" >

-1.4 -1.0 -1.7 -1.4 -1.9 -0.7 0.0 0.0 -0.3 -0.6 -1.3 -1.0 -1.5
5.6/25 5.2/21 5.9/20-18 18-5.6/16 6.1/15 4.9/13 4.2/4 4.2 4.5/4 4.8/7 5.5/9 5.2/10 5.7/25

-0.8 +0.1 -0.1 +0.2 0.0 -0.3 -1.4 -1.8 -1.3
2.8/25 1.9/19 2.1/15 1.8/5 2.0 2.3/4 3.4/8-12 3.8/13-14 3.3/16-25

0.0 +0.4 0.0 +0.4 -2.9
0.5/17 0.1/10 0.5 0.1/7 3.4/13-14

S.P.	8.81	1221.10			1212.29	× on S.W. Cor. S. Head Wall at X Rds.
80+45²				9.30	11.80	S. edge Pavement
+52²				9.15	11.95	℄ Pavement
~~81~~+59²				9.30	11.80	N. edge Pavement
81			−	9.6	11.5	+1.3 +1.6 / 10.3/25 11.8/23 10.7/22 9.7/11 9.5/2 9.6 10.3/10 11.5/14-16 8.3/22 8.0/23-26 walk / −0.7 −2.2 −1.1 −0.1 +0.1 0.0 −0.7 −1.9 / 3" walk.
82			−	8.4	12.7	+2.7 +1.5 +1.1 −1.7 −0.2 0.0 −0.1 −1.5 +1.3 +2.3 / 5.7/25 6.9/22 7.3/18 10.1/16-15 8.6/4 8.4 8.5/8 9.9/11-13 7.1/16 6.1/23-26 walk
83			−	5.0	16.1	+1.7 +1.1 −1.3 −0.4 0.0 0.0 −1.5 −1.9 +0.2 +0.8 / 3.3/25 3.9/16 6.3/12-10 5.4/8 5.0 5.0/4 6.5/8 6.9/12-14 4.8/16 4.2/23 walk
84			−	3.1	18.0	−0.7 −0.2 −0.8 −1.7 −0.7 −0.3 0.0 −0.5 −1.4 −0.4 +0.5 / 3.8/25 3.3/17 3.9/13 4.8/12-11 3.8/7 3.4/3 3.1 3.6/9 4.5/12-14 3.5/15 2.6/24 wk.
85			−	1.4	19.7	+1.1 +0.2 −1.2 −0.5 0.0 0.0 −0.3 −0.5 −1.4 −0.2 +0.5 +1.3 / 0.3/25 1.2/12 2.6/11-9 1.9/6 1.4 1.4/3 1.7/5 1.9/9 2.8/12-14 1.6/15 0.9/20 0.1/24
T.P.	11.32	1232.19		0.23	1220.87	
86			−	9.0	23.2	+1.0 +0.3 −2.5 −0.5 0.0 −0.1 −1.5 0.0 +1.2 / 8.0/25 8.7/14 11.5/13-12 9.5/7 9.0 9.1/9 10.5/14-15 9.0/16-18 7.8/27-30
87			−	5.9	26.3	+0.5 −0.3 −2.0 −0.4 0.0 +0.2 −0.1 −1.9 −0.4 +1.3 / 5.4/25 6.2/14 7.9/12-11 6.3/7 5.9 5.7/3 6.0/10 7.8/13-14 6.3/16 4.6/27-30
			✓		✓	

1232 19

88			- 4.1	28.1	
B.M			1.72	30.49 1230.47	Staple in E. root 15" Maple 25' Lt. 88+90
89			- 2.5	29.7	
T.P.	8.83	1239 94	1.08	1231.11	
90			- 8.9	31.0	
91			- 7.8	32.1	
92			- 5.8	34.1	
93			- 3.8	36.1	
~~T.P.~~					
94			- 1.7	38.2	
T.P.	11.97	1251 06	0.85	1239.09	
95			- 10.5	40.6	

+0.3 -0.1 -1.2 -0.4 0.0 +0.2 -0.2 -1.8 -0.8 +1.6
3.8 4.2 5.3 4.5 4.1 3.9 4.3 5.9 4.9 2.5
25 12 11-10 5 4 9 14-15 16-19 27→30

+1.3 +0.3 -0.5 -1.8 -0.4 0.0 +0.2 -0.5 -2.1 -0.8 +1.5
1.2 2.2 3.0 4.3 2.9 2.5 2.3 3.0 4.6 3.3 1.0
25 16 14-12 11-10 6 4 10 14-15 16-19 27→

-0.3 -0.2 -1.7 -0.3 0.0 0.0 -0.2 -1.0 -0.2 +1.3
9.2 9.1 10.6 9.2 8.9 8.7 9.1 9.9 9.1 7.6
25 12 11-10 5 4 10 13-14 15-18 25→

+0.6 +0.2 -0.9 -0.3 0.0 -0.2 -0.2 -0.9 0.0 +0.5 +1.7
7.2 7.6 8.7 8.1 7.8 7.6 8.0 8.7 7.8 7.3 6.1
25 12 10-8 7 3 9 12-13 14 21 25→

+0.3 -0.7 -1.4 -0.6 0.0 +0.2 -0.2 -1.1 -0.1 +0.2 +1.6
5.5 6.5 7.2 6.4 5.8 5.6 6.0 6.9 5.9 4.6 4.2
25 13 12-10 8 3 10 13-14 15 22 25→

-0.6 -1.1 -2.1 -0.7 0.0 0.0 -0.5 -1.3 -0.5 +0.8 +1.6
4.4 4.9 5.9 4.5 3.8 3.8 4.3 5.1 4.3 3.0 2.2
25-20 12 11-10 6 4 9 13-14 15 20 25→

-0.5 -0.8 -2.6 -0.6 0.0 +0.3 -0.2 -1.4 -0.2 0.0 +1.5
2.2 2.5 4.3 2.3 1.7 1.4 1.8 3.1 1.9 1.7 0.2
25 12 11-10 8 1-5 10 13-14 15 20 25→

+2.0 -0.3 -1.1 -0.5 0.0 +0.1 -0.2 -1.1 -0.1 +0.5 +1.3
8.5 10.3 11.6 11.0 10.5 10.4 10.7 11.6 10.6 10.0 9.2
25 12 11-9 7 2-5 10 13-14 15 21 25→

12.5 1.06

96		- 7.8	43.3	
97		- 4.4	46.7	
T.P.	11.99	126 2.34	0.71	125 0.35
98		- 9.4	52.9	
99.		- 2.1	60.2	

10-12-21 windy - cloudy - cold - Rain

T.P.	11.63	127 2.73	1.24	126 1.10
+25		- 10.5	62.2	
+70		- 8.7	64.0	
100		- 6.8	65.9	
+75		- 4.1	68.6	
101		- 4.8	67.9	

+1.2 +0.2 -1.1 -0.3 0.0 +0.1 -0.3 -0.7 +0.1 +0.6 +2.3
6.6/25 7.6/11 8.9/10-9 8.1/7 7.8/ 7.7/4 8.1/11 8.5/14-15 7.7/17 7.2/21 5.5/26-

+3.4 +1.5 -1.3 -0.4 0.0 +0.2 -0.4 -1.1 +0.6 +4.1
1.0/25-20 2.9/11 5.7/9-8 4.8/5 4.4/ 4.2/6 4.8/11 5.5/14-15 3.8/16 0.3/26-

+4.4 +4.1 +2.4 +2.2 -1.0 -0.1 0.0 +0.3 00 -1.2 +2.8 +2.9
5.0/25 5.3/21 7.0/16 7.2/13 10.4/10-9 9.5/8 9.4/ 9.1/3-6 9.4/11 10.6/15-16 6.6/22 6.5/26-

+3.1 +2.6 +2.1 +1.2 -0.1 0.0 +0.1 +0.5 -0.3 +0.6 +0.8
1.0/25 0.5/22 0.0/14 0.9/10 2.2/9 2.1/ 2.0/5 1.6/13 2.4/16-17 1.5/19 1.3/26-

+1.0 +0.2 0.0 +0.2 00 -1.5 0.0 -0.1
9.5/25 10.3/14 10.5/ 10.3/3 10.5/15 12.0/17 10.5/19 10.4/26-

+3.3 +2.9 +2.0 +1.6 -0.9 -0.3 0.0 -0.1 -0.7 -0.2 +0.4
5.4/25 5.3/19 6.7/17 7.1/15 9.6/12 9.0/10 8.7/ 8.8/10 9.4/13-14 8.9/16 8.3/26-

+2.1 +1.2 -1.3 -0.2 0.0 -0.5 -1.4 -1.0 -0.1
4.7/25 5.6/16 8.1/14 7.0/7 6.8/ 7.3/10 8.2/14 7.8/15 6.9/26-

-0.5 -0.8 -1.4 -0.6 0.0 -0.7 -1.7 -1.0 -0.8
4.6/25 4.9/15 5.5/14-13 4.7/8 4.1/ 4.8/8 5.3/12-13 5.1/14 4.9/27-

-0.2 -0.8 -1.6 -0.6 0.0 -0.5 -1.7 -1.3 00 +0.2
5.0/25 5.6/16 6.4/14 5.4/9 4.8/ 5.3/7 6.5/12-13 6.1/14-15 4.8/17-19 4.6/27-

		1272	73		
102				- 9.C	63.1
B. M.				6.42	1266.31
T.P.	1.14	1262	50	11,37	1261 36
103				- 3.C	58.9
104				- 8,5	54.0
105				✓ 11.8	50.7
T.P.	1.76	1251	72	12,54	1249.96
106				- 2,5	49.2
107				- 4.8	46.9
108				- 8,6	43,1
T.P.	1,43	1241	86	11.29	1240.43
109				1.4	40.5

✓ ✓

+0.5 −0.6 −1.7 −0.6 0.0 −0.5 −1.6 +0.2 +0.9 +2.2
91 10.7 11.3 10.2 9.6 10.1 11.2 9.4 8.7 7.4
25 16 15-14 10 7 10-11 15 22 27

Staple in W. root 24" Elm, 35' Rt., 102+18

+1.2 +0.8 −0.2 −0.5 −0.2 0.0 −0.5 −1.3 −0.4 +1.4 +1.5
24 28 38 41 38 36 41 49 40 22 21
25 18 16 15 7-3 6 9-10 12 25 27

+1.1 +0.6 −0.2 −1.2 −0.4 0.0 0.0 −0.4 −2.0 −0.3 +0.1 +1.0
7.4 7.9 8.7 9.7 8.9 8.5 8.5 8.9 10.5 8.8 8.4 7.5
25 19 16 15-14 11 2 6 10-11 12 20 27

+0.2 −0.1 −0.6 0.0 0.0 −0.2 −1.2 −0.4 −1.5 +0.4
11.6 11.9 12.4 11.8 11.8 12.0 13.0 12.2 13.3 11.4
25 18 16-15 12 6 10-11 12 17-22 27

+0.6 −0.3 −1.9 −0.4 0.0 −0.6 −1.5 −1.0 −1.1 −0.4
1.9 2.8 4.4 2.9 2.5 3.1 4.0 3.5 4.6 2.9
25 18 17-16 14 6 9-10 11 18-23 27

+0.2 −0.5 −1.7 −0.4 0.0 −0.6 −2.0 −0.3 +0.2
4.6 5.3 6.5 5.2 4.8 5.4 6.8 5.1 4.6
25 18 17-16 12 7 11-12 16 27

+0.1 −0.4 −1.7 −0.6 0.0 −0.5 −1.7 +0.1 +0.6 +1.7
8.5 9.0 10.3 9.2 8.6 9.1 10.3 8.5 8.0 6.9
25 17 16-15 11 7 12-13 16 21 27

+ 0.3 −0.8 −1.3 −0.6 0.0 −0.2 −1.5 0.0 +0.8 +1.6
1.1 2.2 2.7 2.0 1.4 1.6 2.4 1.4 0.6 −0.2
25 16 15-14 12 7 11-12 14 20 27

1241 86

110		-	3.6	38.3
111		-	5.6	36.3
B.M.			5.12	36.73 1236.74
112		-	6.6	35.3
113		-	8.6	33.3
T.P.	0.81	1233.20	9.47	1232.39
114		-	3.3	29.9
115			5.4	27.6
+69 ℄ 2'x2' stone Box			5.8	27.4

Req'd (Use old stone for new Headwalls 2x2 Box Con)

✓ ✓

-0.4 -1.6 -0.5 0.0 +0.2 -0.5 -1.5 -0.3 +1.2
4.0/25 5.2/13-12 4.1/9 3.6 3.4/2 4.1/9 5.1/13-15 3.9/18 2.4/27

-0.7 -0.6 -1.3 -0.4 0.0 +0.2 -0.3 -1.1 -0.1 +0.9
6.3/25 6.2/14 6.9/13-12 6.0/9 5.6 5.4/3 5.9/10 6.7/13-15 5.7/17-23 4.7/27

Staple in W. root 10" Maple, 23' Rt 111+20

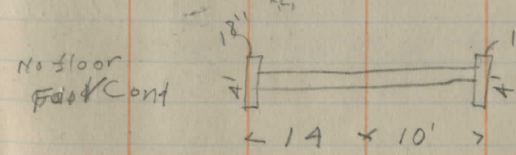
-0.2 -0.8 -1.7 -0.5 0.0 -0.4 -1.8 -0.5 +0.2
6.8/25 7.4/14 8.5/12-11 7.1/8 6.6 7.0/9 8.4/12-13 7.1/14 6.9/27

+0.2 -0.1 -1.4 -2.0 -0.8 0.0 -0.5 -1.6 -0.5 +0.4
8.4/25 8.7/17 10.0/14 10.6/13-12 9.4/8 8.6 9.1/8 10.2/12-13 9.1/15 8.2/27

+1.2 -0.1 -1.2 -2.0 -0.8 0.0 -0.9 -2.2 -1.1 -0.4 +0.2 +1.7
2.1/25 3.4/22 4.5/19 5.3/13-12 4.1/8 3.3 4.2/8 5.5/12-13 4.4/14 3.7/18 3.1/20 1.9/27

-1.0 -0.5 -1.3 -0.1 0.0 -0.4 -1.7 -0.6 -0.4 +0.9
6.6/25 6.1/16 6.9/14-13 5.7/9 5.6 6.0/8 7.3/12-17 6.2/20 6.0/23 4.7/27

-4.7 -3.8 -3.1 -0.5 0.0 -0.5 -2.7 -2.6
10.5/25 9.6/25 8.9/15 6.3/13 5.8 6.3/8 8.5/10 FL 8.4/20
FL



1233 20

116			-	6.6	26.6
117			-	5.6	27.6
T.P.	1,57	1229	14	5,63	1227.57
+50			-	2.2	26.9
118			-	4.1	25.0
119			-	7.9	21.2
120			-	11,9	17.2
T.P.	2.10	1218	22	13.02	1216.12
121			-	3.7	14.5
B.M.				7.30	1210.92
122			-	5.4	12.8

✓ ✓

-2.1 -0.9 -1.0 -0.4 0.0 -0.4 -1.6 -1.1 -0.7 0.0 +1.2
8.7 7.5 7.6 7.0 6.6 7.0 8.2 7.7 7.3 6.6 5.9
25 14 13-12 8 1 10 12-13 14-1 18 19 23 27

-0.4 -1.3 -0.6 0.0 -0.3 -0.8 +0.1 +0.3
6.0 6.7 6.2 5.6 5.9 6.4 5.5 5.3
25-14 11-10 8 11 15 12 27

+0.5 -0.2 -0.9 -0.3 0.0 +0.2 -0.3 -1.2 -0.6 +0.1
1.7 2.4 3.1 2.5 2.2 2.0 2.5 3.4 2.8 2.1
25 10 7-8 7 4 11 15-16 17 27

+2.6 +1.7 -0.2 0.0 +0.3 -0.1 -0.6 -0.1 +0.7
1.6 2.4 4.3 4.1 3.8 4.2 4.7 4.2 3.4
25 14 9 1 5 13 16-17 18 27

+2.5 +1.9 +0.1 -1.5 -0.3 0.0 +0.4 -0.3 -1.2 -0.7 +0.9
5.4 6.0 7.8 9.9 8.2 7.9 7.5 8.2 9.1 8.6 7.0
25 17 11 10-9 8 5 11 14-15 16 27

+1.4 +0.6 -0.5 -1.1 -0.4 0.0 +0.2 -0.2 -1.2 -0.6 -0.1 +1.0
10.5 11.3 12.4 13.0 12.3 11.9 11.7 12.1 13.1 12.5 12.0 10.9
25 16 12 11-10 7 4 10 13-14 15 21 25

+1.1 +0.2 -1.6 -0.3 0.0 +0.2 -0.3 -1.4 -0.4 +0.7
2.6 3.5 5.3 4.0 3.7 3.5 4.0 5.1 4.1 3.0
25 14 12-11 7 3 10 14-15 16-22 27

+0.3 -0.4 -1.3 -0.4 0.0 +0.1 -0.5 -1.7 -0.6 -0.7 0.0
5.1 5.7 6.7 5.3 5.4 5.3 5.9 7.1 6.0 6.1 5.4
25 14 12-11 6 3 10 14-15 16 22 25

12.18.22

123		- 6.2	12.0	
P.M. windy				
S.P.	0.92	12/1.84	7.30	1210.92
124		- 2.2	09.6	
+30		3.6	08.2	
125		- 5.2	06.6	
126		- 6.7	05.1	
		8.3	03.5	
127		-		
T.P.	2.77	1203.97	10.64	1201.20
128		- 2.1	01.9	
129		- 4.0	00.0	

✓ ✓

-0.4 -05 -2.3 -0.3 00 -0.9 -2.7 -1,8 -0.9
6.6 6.7 8.5 6.5 6.2 7.1 8.9 8.0 7.1
25 16 14-13 10 11 15-16 17 27

Between 123 & 124 deduct 40' for culverts that lead to Rd Rt & Lt, from ditch Exc.

+0.6 0.0 -0.2 +0.4
1.6 2.2 2.4 1.8
25-12 10 21-25

+2.0 +1.3 -1.0 -0.1 0.0 -0.2 -2.0 +1.2
1.6 2.3 4.6 3.7 3.6 3.8 5.6 2.4
25 19 16-14 17 12 17-18 23-25

-0.7 -0.5 -1.8 -0.5 0.0 -0.6 -1.8 -0.8 +0.6
5.9 5.7 7.0 5.7 5.2 5.8 7.9 6.0 8.6
25 14 13-12 8 12 15-16 17 25

-0.9 -0.7 -1.8 -0.6 0.0 -0.5 -2.4 -1.1 -0.9
7.6 7.4 8.5 7.3 6.7 7.2 9.1 7.8 7.6
25 15 14-13 10 11 15-16 17 25

-0.1 -1.0 -2.0 -0.7 0.0 -0.4 -2.8 -1.7 -1.3
8.4 9.3 10.3 9.0 8.3 8.7 11.1 10.0 9.6
25 14 13-12 8 11 16-17 18 25

0.0 -0.7 -1.8 -0.6 0.0 -0.5 -2.1 -1.4 -1.0
2.1 3.8 3.9 2.7 2.1 2.6 4.2 3.5 3.1
25 15 14-13 9 13 15-16 18 25

+0.4 -1.0 -1.6 -0.3 0.0 +0.2 -0.4 -1.9 -1.2 -0.6
3.6 5.0 5.6 4.3 4.0 3.8 4.4 5.9 5.2 4.6
25 16 14-13 12-11 7 3 14 17-18 19 25

		1203	9.7		
130			- 5.4	98.6	
131			- 6.2	97.8	
B.M.			7.29	1196.68	Staple in W. root 30" Elm 30' Rt. 131+80
132			- 7.3	96.7	
T.P.	2.69	1198 5	8.11	1195.86	
133			- 2.8	95.8	
134			- 3.1	95.2	
+60			3.7	94.9	
135			- 5.0	93.6	
136			- 6.2	92.4	
T.P.	2.19	1194 36	6.38	1192.17	

✓ ✓

-0.7 -0.6 -1.4 -0.6 0.0 +0.3 -0.4 -1.6 -0.8 -0.3
6.1/25 6.0/14 6.8/13-12 6.0/8 5.4 5.1/3 5.8/13 7.0/16-18 6.2/19 5.7/25

-0.7 -0.8 -1.8 -0.7 0.0 -0.4 -1.6 -1.0 -0.7 +0.2
6.9/25 7.0/15 8.0/14-13 6.9/10 6.2 6.6/12 7.8/15-16 7.2/17 6.9/21 6.0/25

-1.1 -0.8 -2.0 -0.9 0.0 -0.4 -1.5 -0.2 0.0
8.4/25 8.1/16 9.3/14-13 8.2/10 7.3 7.7/12 8.8/15-16 7.5/18 7.3/25

-1.0 -2.0 -0.6 0.0 +0.2 -0.4 -1.8 -0.8 -0.5
3.8/25-15 4.8/13-12 3.4/8 3.8 2.6/4 3.2/12 4.6/16-17 3.6/18 3.3/25

-1.3 -1.4 -2.2 -1.1 0.0 +0.3 -0.7 -2.3 -1.1 -0.6
4.7/25 4.8/14 5.6/13-12 4.5/8 3.7 3.1/3 4.1/14 5.7/17-18 4.5/19 4.0/25

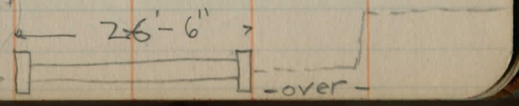
-1.3 -1.6 -2.8 -1.0 0.0 +0.2 -0.7 -2.2 -1.3
5.0/25 5.3/14 6.5/13-12 4.7/8 3.7 3.5/3 4.4/14 5.9/17-18 5.0/20-25

-0.1 -0.5 -1.7 -2.2 -0.6 0.0 +0.3 -0.2 -1.9 -0.7 0.0
5.1/25 5.5/15 6.7/13-12 7.2/11-10 5.6/8 5.0 4.7/3 5.2/14 6.9/17-18 5.7/20 5.0/25

-1.2 -1.0 -1.8 -0.3 0.0 +0.4 -0.4 -1.4 -0.7 -0.2
7.4/25 7.2/13 8.0/11-10 6.5/9 6.2 5.8/4 6.6/14 7.6/16-17 6.9/18 6.4/25

Sta.	B.S.	H.I.	F.S.	I.F.S.	Elev.	Cross-section (cut/fill; rod/distance)
		1194.36 (4 above 3)				
137				- 2.4	92.0	-1.6 4.0/25; -1.4 3.8/14; -2.0 4.4/12; -0.8 3.2/11; 0.0 2.4; +0.3 2.1/4; -0.5 2.9/14; -1.3 3.7/15; -1.0 3.4/16; -0.7 3.1/25
138				- 3.2	91.2	-0.7 3.9/25; -0.5 3.7/15; -2.2 5.4/12-11; -0.9 4.1/10; 0.0 3.2; -1.0 4.2/13; -2.2 5.4/16-17; +0.8 2.4/21; +1.1 2.1/25
+50				4.2	90.2	+1.9 25-2.3/18; -1.1 15-5.3/13; -1.9 6.1/12-11; -0.8 5.0/9; 0.0 4.2; +0.2 4.0/3; -0.4 4.6/11; -1.8 6.0/15-16; +1.5 2.7/21; +1.6 2.6/25
139				- 4.9	89.5	+1.4 3.5/25; +1.3 3.6/18; -0.7 5.6/15-13; -1.6 6.5/12-11; -0.7 5.6/8; 0.0 4.9; +0.3 4.6/5; -0.9 5.8/12; -1.6 6.5/13-15; +0.4 4.5/20; +0.8 4.1/25
140				- 6.0	88.4	-1.0 7.0/25; -0.7 6.7/17-15; -1.4 7.4/13-12; -0.6 6.6/10; 0.0 6.0; -0.5 6.5/11; -1.4 7.4/14-15; -0.9 6.9/16; -0.6 6.6/20; -1.0 7.0/25
141				- 6.3	88.1	-0.8 7.1/25; -1.1 7.4/16; -1.9 8.2/15; -0.7 7.0/13; 0.0 6.3; -0.5 6.8/9; -2.0 8.3/13-14; -1.3 7.6/15-25
T.P.	3.77	1191.45 (5 above 4)	6.68		1187.68	
142				- 3.6	87.9	-0.4 4.0/25; -0.3 3.9/17; -2.1 5.7/14-13; -1.2 4.8/11; 0.0 3.6; -0.8 4.4/10; -2.1 5.7/14-15; -1.5 5.1/17; -1.0 4.6/25
143				4.8	86.7	-0.2 25-5.0/15; -1.6 6.4/14-13; -0.7 5.5/9; 0.0 4.8/16; -0.5 5.3/12; -1.7 6.5/16-17; -0.6 5.4/18; -0.7 5.5/25
℄ +73 1½ x 2 stone Poor Cond. Remove				4.1	87.4	4.1
			✓		✓	

Rep
Remove. Use stone for M.W.s 2x2 Con Box At New Location



1191 45 5

144				
+45 New Location for 2×2 con Brn			5.3	86.2
144			5.0	86.5
B.M.			4.10	1187.35
145			5.1	86.4
146			7.3	84.2
T.P.	2.33	1185.01	8.77	1182.68
147			2.8	82.2
148			4.0	81.0
+50			5.4	79.6
149			7.9	77.1
T.P.	2.31	1178.16	9.16	1175.85

✓ ✓

-0.3 -0.7 -0.2 0.0 +0.2 -0.3 -2.3 -3.3 -4.6

5.6/25 4.0/13 5.5/9 5.3 5.1/4 5.6/13 7.6/17 8.6/75 9.9/125

New Location 6'

-0.6 -0.8 -1.6 -0.4 0.0 -0.2 -2.0 -0.6 -1.4

5.6/25 5.8/16 6.6/12-11 5.4/8 5.0 5.2/12 7.1/15-16 5.6/18-20 6.4/25

Staple in 3 Front 18" Locust 30' Lt. 144+60

+1.6 -0.0 -0.8 -1.0 -0.6 0.0 -0.4 -0.3 +0.3

3.5/25-23 5.1/14 5.9/10 6.1/9 5.7/2 5.1 5.5/12 5.4/20 4.8/21-25

+1.8 +0.4 -1.8 -0.5 0.0 +0.3 -0.3 -1.1 +0.1 -0.6

5.5/25 6.9/14 7.1/9-8 7.8/5 7.3 7.0/6 7.6/12 8.4/16-19 7.2/21-23 7.9/25

+0.1 -1.2 -1.5 -0.5 0.0 +0.3 -0.3 -1.4 -0.3 -1.2

2.7/25 4.0/14-11 4.3/10-9 3.3/5 2.8 2.5/5 3.1/11 4.2/15-16 3.1/18-22 4.0/25-23

+0.2 -0.7 -1.6 -0.6 0.0 0.0 -0.5 -1.3 -0.2 -0.7

3.8/25 4.7/12 5.6/17-10 4.6/9 4.0 4.0/5 4.5/11 5.3/13-14 4.2/17-21 4.7/22-25

+2.0 -1.0 -2.1 -0.4 0.0 -0.3 -1.9 -0.2 +0.3

3.4/25-22 6.4/15 7.5/14-13 5.8/9 5.4 5.7/11 7.3/13-14 5.6/15 5.1/25

+5.5 -1.3 -0.3 0.0 -0.4 -1.2 +2.4 +4.5 +5.2

2.4/30-25 9.2/15-14 8.3/11 7.9 8.3/8 9.1/10 5.5/16 3.9/25 2.7/26-30

This hill is very stiff clay 1½ slope easily.

		1178	16			
150				-	8.8	69.4
+50					12.8	65.4
T.P. 151	1.01	1166	42	-	12.75 6.2	1165.41 60.2
T.P. 152	0.20	1157	38	-	9.24 3.9	1157.18 53.5
153				-	6.3	51.1
+58℄ floor. (filled with about 1 ft of mud)					6.3	51.1
Temp B.M.	0.15	1158	48		5.05	1152.33
154				-	7.2	51.3

✓ ✓

Lt. ℄ Rt

+8.0 +8.5 -0.3 +0.3 0.0 -0.4 -1.5 +8.4 +8.8
0.8/3.0 0.3/2.5 9.1/16 8.5/12 8.8 9.2/4 10.3/7 0.4/20 0.0/25-30

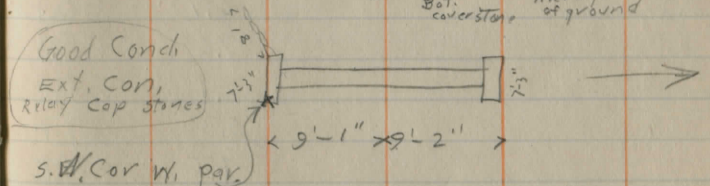
16.4 -1.2 0.0 0.0 -0.2 -0.9 +8.6 +8.8
6.4/30-25 14.0/18 12.8/15 12.8 13.0/6 13.7/8 4.2/21 4.0/30

+4.5 -0.7 0.0 0.0 -0.4 -1.3 +2.6 +4.6
1.1/28 6.9/19-18 6.2/16 6.2 6.6/6 7.5/9-10 3.6/15 1.6/25

-1.4 -0.6 -1.5 -0.4 0.0 0.0 -0.3 -0.9 -0.4 +0.6 +1.2
5.3/25 9.5/19 5.4/17-16 4.3/13 3.9/5 3.9 4.2/6 4.8/11 4.3/12-14 3.3/16 2.7/25

-1.9 -0.6 -0.9 -1.6 -0.2 0.0 -0.5 -1.8 -1.4 -2.7
8.2/25 7.9/19 7.2/18-16 7.7/15-14 6.5/9 6.3 6.8/6 8.1/11-12 7.7/13 9.9/25

6.3 -2.4 8.7 Bot. cover stone -4.3 10.6 Average of ground



-1.9 -0.9 -1.3 -0.5 0.0 0.0 -0.5 -1.1 -0.7 -1.7
9.1/25 8.1/11 8.5/10-9 7.7/6 7.2 7.2/2 7.7/9 8.3/11-12 7.9/13 8.9/25

		11.58	5 .48		
155			- 4.2	54.3	
+25			2.8	55.7	
T.P.	9.85	1166	64 1.69	1156.79	
156			- 8.6	58.0	
157			- 5.6	61.0	
158			- 3.5	63.1	
T.P.	7.79	1172	73 1.70	1164.94	
+70			6.9	65.8	
			7.6	65.1	
			9.4	63.3	
			5.3	67.4	
			4.7	68.0	
159			- 6.0	66.7	
T.P.	8.79	1178.70 ✓	2.82	1169.91 ✓	

-0.5 +0.2 -1.2 -2.4 -0.4 0.0 +0.2 -0.1 -1.3 +3.0
4.7 4.0 5.4 6.6 4.6 4.2 4.0 4.3 5.5 1.1
25 18 10 9 7 4 10 14-15 23-25

+4.5 +2.8 -2.4 -0.6 0.0 +0.3 -0.4 -1.5 +2.3
-1.7 0.0 5.2 3.4 2.8 2.5 3.2 4.3 0.5
25-20 16 9 5 4 11 14-15 25

+3.2 +2.5 +0.1 -0.8 -0.4 0.0 +0.2 -0.2 -1.3 -0.6 +0.6
5.4 6.1 8.5 9.4 9.0 8.6 8.4 8.8 9.9 9.2 8.0
25 18 14-12 10-8 5 5 10 13-14 15-16 18-25

+2.1 +1.3 -0.7 -1.6 -0.3 0.0 0.0 0.0 -0.6 -1.7 -0.4 -0.3 -1.1
3.5 4.3 6.3 7.2 5.9 5.6 5.6 5.6 6.2 7.3 6.0 5.9 6.7
25 19 14-12 11 10 5 3 5 10 14-15 17 21 25

+5.0 +4.0 +3.5 -1.9 -0.3 0.0 +0.2 -0.6 -1.7 +1.4
-1.5 -0.5 0.0 5.4 3.8 3.5 3.3 4.1 5.2 2.1
25 21 19 10-9 4 5 12 14-15 21-25

& Brown's Cor Rd.
50' Rt.
100' Rt.
25' Lt.
50' Lt.

Drain Lt ditch thru parallel pipe on Lt. Drain Rt. ditch to East on Brown's Cor.'s Rd. ditch allow Exc.

+2.9 +1.7 -1.2 -0.1 0.0 -0.5 -1.0 +0.5 +1.6
3.1 4.3 7.2 6.1 6.0 6.5 7.0 5.5 4.9
25 17 12-11 9 9 9 14-15 18 25

Nail in brace pole Rt 159

10-24-'21
Fine

1178.70

160		- 8.5	70.2
+60		5.7	73.0
161		- 4.2	74.5
+25		3.6	75.1 ✓
B.M.		3.93	1174.77 (74.73)
162		- 5.4	73.3
163		- 7.3	71.4
+50		8.7	70.0
T.P.	6.42 · 1175.78	9:34	1169.36
164		- 7.8	68.0
+50		9.9	65.9
	✓		✓

Hanna
Gray
Thompson

33

+3.6 +2.8 −1.6 −0.7 0.0 −0.7 −1.7 +1.9 +2.3
4.9 5.7 10.1 9.2 8.5 9.2 10.2 6.6 6.2
25 20 13-12 9 9 13-15 20 25

+3.3 +3.1 −1.8 −0.6 0.0 −0.8 −2.0 +1.2 +1.3
2.4 2.6 7.5 6.3 5.7 6.5 7.7 4.5 4.4
25 19 13 9 10 13-14 19 25

+1.9 +1.3 −1.4 −0.4 0.0 −0.5 −1.2 +1.2 +1.1
2.3 2.9 5.6 4.6 4.2 4.7 5.4 3.0 3.1
25 18 14-13 9 9 13-14 17 25

+1.0 +0.9 +0.4 −1.8 −0.9 0.0 −0.4 −0.7 +1.1 +1.3
2.6 2.7 3.2 5.4 4.5 3.6 4.0 4.3 2.5 2.3
25 20 18 15-14 11 10 13 16 25

Staple in N.W. root 14" Maple, 25' Rt., 162 +10

+1.4 +0.9 −2.0 −0.9 +0.1 0.0 −0.6 −1.3 −0.6 +1.5
4.0 4.5 7.4 6.3 5.3 5.4 6.0 6.7 6.0 3.9
25 18 14-13 10 2 8 12 14-15 22-25

−0.5 −0.6 −1.9 −0.8 0.0 −0.4 −1.3 −1.0 0.0
7.8 7.9 9.2 8.1 7.3 8.1 8.6 8.3 7.3
25 16 14-13 9 11-12 13 25

−0.9 −0.3 −1.8 −0.6 0.0 −0.3 −1.1 +0.2 +0.8
9.6 9.0 10.5 9.3 8.7 9.0 9.8 8.5 7.9
25 15 14-12 8 11 14-15 17 25

+0.3 +0.9 −1.9 −0.7 0.0 −0.6 −1.8 +3.3 +3.7
7.5 6.9 9.7 8.5 7.8 8.4 9.6 4.5 4.1
25 15 11-10 9 10 12-13 21 25

+1.7 +2.2 −2.0 −0.8 0.0 −1.0 −1.7 +4.5 +5.1
8.2 7.7 11.9 10.7 9.9 10.9 11.6 5.4 4.8
25-20 17 13-12 9 9 10-11 19 25

		1175.78			
165			- 11.8	64.0	
T.P.	5.66	1169.62	11.82	1163.96	
+50			7.6	62.0	
166			- 11.0	58.6	
+50			12.9	56.7	
T.P.	2.64	1160.03	12.23	1157.39	
167			- 5.4	54.6	
+80			8.6	51.4	
168			- 9.5	50.5	
169			- 13.0	47.0	
T.P.	2.22	1149.53	12.72	1147.31	
		✓		✓	

+1.7 +2.0 −1.6 −0.8 0.0 −0.9 −1.5 +4.0 +4.5
10,1 9,8 13,4 12,6 11,8 12,7 13,3 7,8 7,3
25 17 12-11 9 9 11-12 20 25

−0.2 +0.4 +0.8 +1.2 −1.5 −0.7 0.0 −0.6 −1.6 +0.3 +2.8 +3.6
7,8 7,2 6,8 6,4 9,1 8,0 7,6 8,2 9,2 7,3 4,8 4,0
25 18 17-15 12-11 9 10 12-13 17 20 25

+1.4 +2.0 +2.7 −0.4 0.0 −0.5 −1.5 +2.4 +3.3 +5.2 +5.5
9,6 9,0 8,3 11,4 11,0 11,5 12,5 8,6 7,7 5,8 5,5
25 18 17-16 13 7 10-11 18 21 23 25

+2.2 +2.5 −1.5 −0.6 0.0 0.0 −1.0 −1.7 +4.7 +5.1
10,7 10,4 14,4 13,5 12,9 12,9 13,9 14,6 8,2 7,8
25 19 14-13 16 2 7 10-11 21 25

+1.5 +1.6 −0.7 −1.7 −0.8 +0.2 0.0 −0.7 −2.1 +3.1 +3.8 +4.1
3,9 3,8 9,1 7,1 6,2 5,2 5,4 6,1 7,5 2,3 1,6 1,3
25 22 17 16-15 12 3 7 9-10 18 22 25

−0.5 −0.7 −1.8 −0.7 0.0 −0.8 −1.9 −0.5 +2.6 +3.6
9,1 9,3 10,4 9,3 8,6 9,4 10,5 9,1 6,0 5,0
25 18 16-15 11 6 10-11 13-15 20 25

−0.2 −0.6 −2.1 −0.8 0.0 −0.9 −1.8 −0.3 +0.8
9,7 10,1 11,6 10,3 9,5 10,4 11,3 9,8 8,7
25 17 15-14 11 8 10-11 15 25

+1.3 +0.9 −1.8 −0.6 0.0 +0.2 −1.0 −1.8 +0.2 +0.5
11,7 12,1 14,8 13,6 13,0 12,8 14,0 14,8 12,8 12,5
25 16 12-11 7 4 13 15-16 20 25

1149.53

170		- 4.9	44.6	
171		- 6.3	43.2	
+90	9'-9" x 4'-0" Good Cond	5.4	44.1	

Stone Abuts. Con. Slab & H.Ws.

[Exc = (Cont of Abuts) x 2] Reqd. Ext.

Point 150 Lin Ft.

Temp B.M.

	4.95	44.58
	7.44	42.09
	11.7	37.8
	7.43	42.10
	11.5	38.0
	5.0	44.5
172	- 5.2	44.3
173	- 2.5	47.0
T.P.	11.04 1159 45	1.12 1148.41

✓ ✓

+2.3 +1.9 -0.2 -1.7 -0.6 0.0 +0.1 -0.3 -1.1 -0.6 +0.6

2.6 3.0 5.1 6.6 5.5 4.9 4.8 5.2 6.0 5.5 4.3

2.5 23 19-13 11-10 ∠ 4 10 14-16 17-10 25

-1.6 -0.7 -1.2 -0.3 0.0 +0.1 -0.2 -1.1 -0.7 -2.1

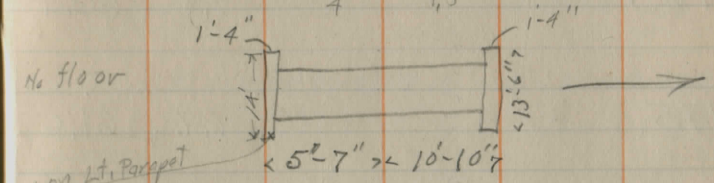
7.2 7.0 7.5 6.6 6.3 6.2 6.5 7.4 7.0 8.4

25 12 11-10 ∠ 5 11 15-16 17 25

+0.2 0.0 +0.2 +0.4

5.2 5.4 5.7 5.0

4 9.5 Top.



No floor

x on Lt. Parapet

Bot. of slab. Lt.

Bot. creek Lt.

" of slab. Rt.

" Creek Rt.

Top. Rt. parapet.

+2.9 -2.4 -1.7 -2.0 -3.9 -1.8 -0.1 0.0 0.0 -2.3 -1.0 -2.1

8.1 7.6 6.9 7.2 9.1 7.0 5.3 5.2 5.2 7.5 6.2 7.3

25 18 16 14 13-12 8 5 10 13-14 15 25

+3.1 +0.4 -1.7 -0.7 0.0 -0.6 -1.4 +0.7 +3.4 -0.9

-0.6 2.1 4.2 3.2 2.5 3.1 3.9 1.8

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

		1159.5 4.5			
+30				10.9	48.6
174				- 4.5	55.0
T.P.	9.39	1168 2.0		0.64	1158.81
+65				7.8	60.4
175				- 6.6	61.6
176				- 3.2	65.0
T.P.	5.16	1171.89		1.47	1166.73
177				- 3.7	68.2
+50				3.1	68.8
178				- 3.2	68.7
179				- 4.1	67.8

✓ ✓

36

+5.9 +5.5 +1.3 -0.9 -0.3 0.0 -0.5 -1.5 +0.1 +5.4
5.0 5.4 9.6 11.8 11.2 10.8 11.4 12.4 10.8 5.5
30 25 18-16 14-13 11 11 14-15 17-19 25

+5.3 -0.6 -0.5 0.0 -0.1 -0.6 -2.2 +0.9 +6.7
-0.8 6.1 5.0 4.5 4.6 5.1 6.7 3.6 -2.2
25-24 15-14 10 8 12 14-15 18 20

+2.2 -2.2 -1.0 0.0 -0.6 -2.2 -0.8 +3.4
5.6 10.0 8.8 7.8 8.4 10.0 8.5 4.4
25-19 13-12 9 12 14-15 17-18 25

+1.8 +1.2 -2.0 -0.7 0.0 +0.1 -0.4 -1.8 -0.9 +2.0 +2.6
4.8 5.4 8.6 7.3 6.6 6.5 7.0 8.4 7.5 4.6 4.0
25 19 13-12 7 4 10 14-15 16-17 22 25

+2.8 -1.6 -0.9 0.0 -1.0 -1.7 -1.1 +2.0 +2.4
8.4 4.8 4.1 3.2 4.2 4.7 4.3 1.2 0.8
25-17 12-11 8 10 12-13 14-16 21 25

+1.1 +0.9 -1.6 -0.7 0.0 -0.4 -1.7 -0.4 +0.6
2.6 2.8 5.3 4.4 3.7 4.1 5.4 4.1 3.1
25 19 16-13 9 7 12-13 15 25

+0.5 -0.1 -1.2 -0.5 0.0 -0.5 -1.4 -0.9 -0.4
2.6 3.2 4.3 3.6 3.1 3.6 4.5 4.0 3.5
25 19 17-12 5 8 12-13 14 25

-0.5 -1.1 -1.5 -0.7 0.0 -0.6 -1.5 -1.0 -0.8
3.7 4.3 4.7 3.9 3.2 3.8 4.7 4.2 4.0
25 18-13 12 7 9 13-14 15 25

-0.2 -1.0 -0.8 -1.1 0.0 +0.4 -0.6 -1.4 -0.7 -1.1 -0.8
4.3 5.1 4.9 5.2 4.1 3.7 4.7 5.5 4.8 5.2 4.9
25 21 12 10 1 3 11 14-15 16 20 25

11 71 9 89

180				-4.5	67.4
+55 ℄	12" VP. Good.			4.5	67.4
(Rep. New cor. – Square up with new ℄.					
181				4.5	67.4
182				3.7	68.2
183				2.9	69.0
T.P.	5.98	1176	64	1.23	1170.66
B.M.	3.76	1176	57	3.76	1172.89
184				4.4	72.2
+25				3.4	73.2
185				5.0	71.6 ✓

Lt. & Rt 37

-1.3 -0.8 -1.3 -0.6 0.0 +0.2 -0.5 -1.3 -0.9
5.8/25 5.3/11 5.8/10-9 5.1/7 4.5 4.3/5 5.0/12 5.8/16-17 5.4/18-25

-3.6 -2.9 -2.5 -0.7 0.0 +0.1 -2.3 -0.6 -1.2
8.1/75 7.4/25 7.0/10 5.2/5 4.5 4.4/13 6.8/15-16 5.1/19 5.7/25

℄ 55
24'

-1.1 -0.9 -1.4 -0.6 0.0 +0.2 -0.3 -1.4 -0.6
5.6/25 5.4/12 5.9/11-10 5.1/8 4.5 4.3/3 4.8/10 5.9/15-16 5.1/18-25

-0.6 -0.8 -1.1 -1.8 -0.9 0.0 -0.1 -0.8 -1.7 -0.9 -0.7
4.3/23 4.5/15 4.8/14-12 5.5/11-10 4.6/7 3.7 3.8/6 4.5/11 5.4/14-15 4.6/16 4.4/25

+0.9 +0.4 -1.5 -0.5 0.0 +0.2 -0.4 -1.1 -0.2 +0.2
2.0/20 2.5/13 4.1/10-9 3.4/5 2.9 2.7/4 3.3/10 4.0/13-14 3.1/15 2.7/25

Staple in E root P. Hickory, 30' Lt, 183+40

+2.1 +1.6 +0.6 -0.7 -0.3 0.0 +0.4 -0.1 -0.7 +1.1 +1.6
2.3/25 2.8/20 3.8/11 5.1/7 4.7/5 4.4 4.0/3 4.5/8 5.1/12-13 3.3/16 2.8/25

+1.2 +0.4 +0.9 -0.3 0.0 +0.2 -0.3 -0.9 +0.5 +0.7
2.7/25 3.9/18 2.5/10 3.7/8 3.4 3.2/3 3.7/9 4.3/12 2.9/14 2.7/25

+0.6 +0.9 -0.6 -0.4 0.0 -0.2 -1.1 +1.4 +2.1
4.4/25 4.1/14 5.6/11-9 5.4/7 5.0 5.2/7 6.1/10-11 3.6/15 2.9/25

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		1176 ^{6}57			
186				7.6	69.0
187				10.4	66.2
T.P.	1.94	1167 94		10.57	1166.00
188				4.8	63.1
+30				6.0	61.9
189				11.0	56.9
+50				13.6	54.3
T.P.	0.23	1155 ^{8}78		12.39	1155.55
190				3.1	52.7
191				5.8	50.0
+86 ℄ 2'x1' stone Box.				7.5	48.3

Fair

Req (2x20 or 18" deeper clean outlet) ✓

Lt. ℄ Rt.

+1.2 +0.6 −0.9 −1.4 −0.8 0.0 0.0 −0.7 −1.6 −0.8 +1.0 +1.4
6.4/25 7.0/17 8.5/15-14 9.0/13-12 8.4/9 7.6/2 7.6/ 8.3/7 9.2/10-11 8.4/12-13 6.6/16 6.2/25

+0.6 0.0 −0.5 −1.9 −0.9 +0.1 0.0 −0.6 −1.7 +1.8 +1.4
9.8/25 10.4/24 10.9/18 12.3/16-15 11.3/11 10.3/3 10.4/ 11.0/7 12.1/11-12 8.6/17 9.0/25

+1.0 +0.3 −0.5 −1.3 −0.6 0.0 −0.8 −1.8 −0.7 +1.2 +2.0
3.8/25 4.5/18 5.3/14 6.1/13-12 5.4/9 4.8/ 5.6/8 6.6/10-11 5.5/12 3.6/16 2.8/20-25

−0.2 +0.2 −0.4 −2.5 −0.3 0.0 −0.5 −1.9 −0.6 +0.9 +2.2 +2.7
6.2/25 5.8/18 6.4/13 8.5/11 6.3/7 6.0/ 6.5/8 7.9/10-11 6.6/13 5.1/17 3.8/20 3.3/25

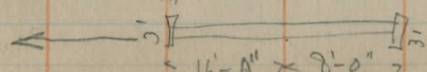
+3.0 −2.2 −1.0 −0.4 0.0 −0.2 −1.9 −0.8 +5.9 +6.7
8.0/25-17 13.2/12-11 12.0/9 11.4/6 11.0/ 11.2/9 12.9/11-12 11.8/13-14 5.1/25 4.3/30

+1.8 +1.4 −1.8 −0.5 0.0 −0.5 −1.4 −1.0 −0.5 +5.3 +6.4
11.8/25 12.2/18 15.4/13-11 14.1/8 13.6/ 14.1/7 15.0/10-11 14.6/12- 14.1/15 8.3/25 7.2/30

−0.2 −0.7 −1.3 −0.7 0.0 −0.5 −1.4 −1.1 −0.5 +2.8 +3.1
3.3/25 3.8/17 4.4/16-12 3.8/8 3.1/ 3.6/6 4.5/9-10 4.2/11 3.6/18 0.3/24 0.0/25

−1.8 −0.9 −1.2 −0.5 0.0 −0.6 −1.2 −0.6 −0.3 0.0
7.6/25 6.7/15 7.0/13-14 6.3/10 5.8/ 6.4/6 7.0/8-10 6.4/11 6.1/18 5.8/25

−2.7 −2.5 +0.6 −0.2 0.0 −0.2 +1.0 −2.4 −2.8
10.2/30 10.0/17 6.9/16 Top 7.7/15 7.5/ 7.7/6 6.5/7 Top 9.9/8 10.3/14 Tile



16'-0" × 8'-0"

1155 8 78

192			7.8	48.0
193			8.8	47.0
194			8.9	46.9
B.M.	2.06	1153 6 59	4.29	1151.53 1151.49
+20 ℄ 12" C.I.P. (sec) (fair Cond)			6.5	47.1
195			6.5	47.1
196			5.5	48.1
+40			5.0	48.6
197			6.6	47.0

✓ ✓

Lt. ℄ Rt

-1.7 -1.1 -2.4 -0.6 0.0 0.0 -0.2 -2.1 -1.0 -0.4 -0.8
8.2/25 8.9/21 10.2/19-18 8.4/16 7.8/5 7.8 8.0/6 9.9/12-13 8.8/14 8.2/19 8.6/25

+0.1 -1.5 -0.9 +0.5 0.0 -0.1 -0.5 0.0 +1.6 +2.9
8.7/25-24 10.3/21-20 9.7/17 8.3/5 8.8 8.9/5 9.3/7-8 8.8/9 7.2/16 5.9/25

-0.9 -1.3 -1.9 -0.7 +0.1 0.0 -0.2 -1.5 -0.7 -0.1 -0.5 +0.2
9.8/25 10.2/23 10.8/22-21 9.6/18 8.8/10 8.9 9.1/4 10.4/9-10 9.6/11 9.0/12 8.4/14 8.7/25

Staple in N.W. root 12" Walnut 30' Rt, 197

-2.9 -2.7 -0.5 +0.2 0.0 -0.1 -2.0 -1.9 -0.1
Good fill 9.4/35 9.2/25-21 7.0/19 6.3/7 0.5 6.6/3 8.5/4 8.4/9 6.6/12-25
F.L. F.L.

<20'-6" × 3'-6">

-0.7 -0.9 -0.1 +0.5 0.0 -1.0 -0.2 +1.4 +1.3 +2.3
7.2/25 7.4/22 6.6/16 6.0/8 6.5/0 7.5/5-6 6.7/8-9 5.1/14 5.2/18 4.2/25

-0.4 -0.9 -0.3 +0.6 0.0 -0.8 -0.1 +1.6 +2.9
5.9/25 6.4/23-22 5.3/16 4.9/7 5.5 6.3/4-5 5.6/7-8 3.9/12 2.6/25

-0.6 -1.0 -0.3 +0.6 0.0 -0.6 0.0 +2.2 +2.8
5.6/25-24 6.0/23-22 5.3/18 4.4/8 5.0 5.6/4-5 5.0/7 2.8/12 2.2/25

-0.8 -1.2 -0.1 +0.4 0.0 -1.2 +2.2 +3.2 +4.3
7.4/25-24 7.8/23-22 6.7/17 6.2/7 6.6 7.8/5-6 4.4/11 3.4/20 2.3/25

		1153 59		
198			10.0	43.6
199			13.9	39.7
T.P. 4:40 P.M.	0.01	1142.46	11.14	1142.45
200	10-25-21 cloudy so mi. gale		5.2	37.3
201			7.8	34.7
202			10.7	31.8
T.P. 203	-3.81	1133.96	12.31	1130.15
			4.4	29.6
+65 ℄ 1½ × 1½ stone box Fair Condi stone good for Nov H.W.			5.1	28.9

✓

✓

0.0 -0.6 -1.1 -0.1 +0.3 0.0 -1.5 +2.3 +3.2

-0.7 -1.1 -1.6 -0.4 +0.1 0.0 -1.5 -0.9 +1.4 +2.3

Tel. Pole Rt. 199 (Nail E. side)

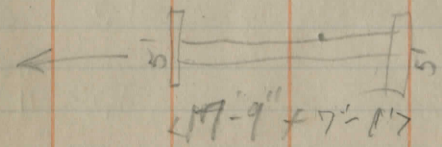
-0.5 -0.9 -1.2 -0.2 0.0 -0.3 -1.4 +0.2 +1.1

00 -0.8 -1.2 -1.9 -0.5 +0.2 0.0 -0.3 -1.3 +0.7 +1.4

+0.7 -1.1 -0.4 +0.1 0.0 -0.4 -1.4 -1.0 +1.9 +2.8

-0.7 -0.3 0.0 -0.1 -0.4 -0.2

-3.6 -2.6 -2.2 -0.2 +0.1 0.0 +0.1 -2.2 -2.0



		1133 10 96		
204			5.1	28.9
+50			4.4	29.6
+80			2.3	31.7
205			1.8	32.2
T.P.	5.37	1139 2 16	0.17	1133.79
+15			6.3	32.9
+40			5.3	33.9
+75			4.1	35.1
206			1.3	34.9
B.M.		✓	4.36	1134.78 1134.80 ✓

-0.6 -0.5 -0.7 -0.3 0.0 -0.3 -1.1 -0.3 +0.1
57 56 5.8 54 51 54 6.2 5.4 5.0
25 20 17 12 5 5 10 25

-1.0 -0.4 0.0 0.0 -0.4 +0.1
5.4 4.8 4.4 4.4 4.8 4.3
25-24 16 14 18-19 22-25

-1.8 0.0 -0.2 +0.1 -0.1
4.1 2.3 2.5 2.2 2.4
25 15 20 25

-4.7 -2.3 0.0 +1.0 +0.9
Road 6.5 4.1 1.8 0.8 0.9 Road
50 25 25 50

-2.8 -2.8 -3.7 -1.3 0 0 +1.7
9.1 9.1 10.0 7.6 6.3 4.6
25 21 23.2 12 25

+0.2 -0.8 -1.2 -1.7 -0.7 0.0 +0.3 +3.2 +4.0
5.1 9.1 6.5 7.6 6.0 5.3 4.6 2.1 1.2
25 20 17 16-15 10 10 25 33 Stone Pond

+1.2 -0.6 -1.0 -0.6 0.0 +0.5 +1.9
2.9 4.7 5.1 4.7 4.1 3.6 2.2
25 20 16 10 13 25

+0.6 -0.5 0.0 0.0 +0.1 +2.0 +2.2
3.7 4.8 4.3 4.3 4.2 2.3 2.1
25 17 2 16 22 25

Staple in S.E. root 10" Maple 30' Lt. 20 Ct 27

11:39 | 16

207				4.7	34.5
+5 E 10" V.I.P. 12" Pipe Regd.				4.6	34.6
Bring water in Ditch back from store					
208				4.4	34.8
209				3.4	35.8
T.P. 210	10.07	11.45	44	3.79 7.5	1135.37 37.9
211				5.6	39.8
+60				4.3	41.1
212				3.0	42.4
+15				2.7	42.7

-2.1 -1.0 -1.4 -0.8 -0.1 0.0 -0.5 -1.5 -0.8 -0.5 +1.0 +1.2

6.8 5.7 6.1 5.5 4.8 4.7 5.2 6.2 5.5 5.2 3.7 3.5
25 15 14 10 3 8-11 12-13 14 20 22 25

-3.6 -2.9 -0.9 0.0 -0.5 -2.7 -2.0 -0.4 +0.5

8.2 7.5 5.5 4.6 5.1 7.3 6.6 5.0 4.1
14 11 8 10 13 15 25

part broken < 13' < 9'-2"

-1.6 -1.0 -1.2 -0.6 0.0 -0.6 -1.5 -0.7 +0.8

6.0 5.4 5.6 5.0 4.4 5.0 5.9 5.1 3.6
25 14 13 8 11-12 15-18 25

-0.5 -0.9 -0.8 -1.2 -0.6 0.0 -0.7 -1.1 -0.4 +1.8 +2.5

3.9 4.3 4.2 4.6 4.0 3.4 4.1 4.5 3.8 1.6 0.9
25 21 13 12-11 7 10 13-15 16 22 25

-1.1 -1.2 -1.8 -0.7 0.0 -0.3 -1.8 -0.2 +0.0

8.6 8.7 9.3 8.2 7.5 7.8 9.3 7.7 6.5
25 14 13-12 7 7 13-14 17 25

-0.1 -0.8 -1.7 -0.8 0.0 -0.5 -1.5 -0.9 +0.6 +1.4

5.7 6.4 7.3 6.4 5.6 6.1 7.1 6.5 5.0 4.2
25 17 15-14 8 7 12-13 14-15 19 25

+1.5 0.0 -0.3 -1.7 -0.8 0.0 0.0 -0.9 -1.5 +1.2 +2.6

4.6 4.3 4.6 6.0 5.1 4.3 4.3 5.2 5.8 3.1 1.7
25 20 17 15-14 9 2 10 12-13 17 25

+0.6 0.0 -1.7 -0.7 0.0 -0.4 -1.5 +0.9 +1.9

2.4 3.0 4.7 3.7 3.0 3.4 4.5 2.1 1.1
25-23 18 15 14 9 8 13-14 18 25

Same as 212

11+54+4

213			5.3	40.1
214			7.0	38.4
T.P.	+4.27	11+41.73	7.98	11+37.46
~~214~~ 90° ? tile Reg. 12" pipe			4.4	37.1
215			4.8	36.9
216			4.4	37.3
+25			4.1	37.6
B.M.			2.03	11+39.64 / 39.70
217			7.7	34.0
218			13.7	28.0
T.K.	0.18	11+29.35 ✓	12.55	11+29.18 ✓

+1.0 +0.1 −1.7 −0.7 +0.1 0.0 −0.7 −1.6 +1.4 +2.7
4.3 5.2 7.0 6.0 5.2 5.3 6.0 6.9 3.9 2.6
25 18 16-15 10 2 9 14-15 19 25

−1.3 −1.1 −1.6 −0.9 0.0 −1.1 −2.0 −1.1 −0.4 0.0
8.3 8.1 8.6 7.9 7.0 8.1 9.0 8.1 7.4 7.0
25 14 13-12 7 11 14-15 16 20 25

−3.7 −3.4 −1.4 −0.2 0.0 −0.3 −2.4 −1.4 −1.0
8.3 8.0 6.0 4.8 4.4 4.9 7.0 6.0 5.6
25 14 13 8 10 11-14 15 25

−2.0 −1.6 −2.2 −0.4 0.0 −0.1 −2.3 −0.9 −0.8
6.8 6.4 7.0 5.2 4.8 4.9 7.1 5.7 5.6
25 19 18-15 10 9 13-14 16 25

−0.2 0.0 −1.2 −0.5 0.0 −0.9 +0.6 +1.6
4.6 4.4 5.6 4.9 4.4 5.3 3.8 2.8
25 16 14-13 9 10 12 25

+0.7 −0.1 −1.4 −0.6 0.0 −0.3 −1.0 +1.2 +2.0
3.4 4.2 5.5 4.7 4.1 4.9 5.1 2.9 2.1
25 16 14-13 9 4 9 13 25

✓ Staple in N.W. root 12" Maple 30' Rt. 215+85

+2.5 +0.9 −1.3 −0.4 +0.1 0.0 −0.6 −1.5 +0.9 +1.9 +2.6
5.2 6.8 9.0 8.1 7.6 7.7 8.3 4.2 6.8 5.8 5.1
25 18 16-15 12 3 6 9+10 13 21 25

−0.6 −1.5 −0.5 +0.2 0.0 −0.3 −1.3 +1.2 +2.0
14.3 5.2 14.2 13.5 13.7 14.0 15.0 12.5 11.7
17-16 15-14 10 2 7 11-12 16 25

12.0 12.7 +1.0 = 13.7
25 19

		1129.36			
219				6.3	23.1
220				12.4	17.0
T.P.	0.32	1117.03		12.65	1116.71
221				6.8	10.2
222				11.7	05.3
T.P.	P.M. 0.64	1105.24		12.43	1104.60
223				3.0	02.2
224				5.8	99.4
225				8.4	96.8
T.P.	1.93	1097.83		9.34	1095.90
B.M.				1.62	1096.20 1096.12
226				3.7	94.1

✓

+2.3 +1.9 -2.1 -0.4 +0.1 0.0 -0.9 -2.5 -0.5 +0.9 +2.0
4.0/25 4.4/20 8.4/15-14 6.7/10 6.2/2 6.3 7.2/7 8.8/10-11 6.8/13 5.4/16 4.3/25

+2.5 +2.1 -0.6 -2.5 -0.3 0.0 -0.5 -2.6 +2.7 +3.2
9.9/25 10.3/23 13.0/19 14.9/17-16 12.7/11 12.4 12.9/7 15.0/12-13 9.7/21 9.2/25

+2.8 -0.6 -1.6 -0.5 +0.1 0.0 -0.8 -2.3 -1.2 +3.8 +4.7
4.0/25-24 7.4/19 8.4/17-16 7.3/13 6.7/3 6.8 7.6/8 9.1/11-12 8.0/13-14 3.0/20 2.1/25

+1.7 +1.3 -0.7 -1.4 -0.5 +0.3 0.0 -0.4 -1.6 -0.8 +2.7 +3.4
10.0/25-24 10.4/21-17 12.4/16-15 13.1/12 12.2/3 11.4 11.7/5 12.1/9-10 13.3/11-12 12.5/18 9.0/25 8.3

-0.4 -0.3 -1.9 -0.3 +0.2 0.0 -0.4 -1.7 -0.3 +0.3
3.4/25 3.3/20 4.9/17-16 3.3/10 2.8/3 3.0 3.4/6 4.7/11-12 3.3/15 2.7/25

-0.5 -0.2 -1.5 -0.2 0.0 -0.4 -1.4 -0.6 -0.7
6.3/25 6.0/19 7.3/15-14 6.0/9 5.8 6.2/7 7.2/11-12 6.4/14 6.5/25

+0.3 -1.1 -2.0 -1.0 0.0 -1.0 -2.0 -0.2 -0.4
8.1/25-16 9.5/14-12 10.4/11-10 9.4/8 8.4 9.4/10 10.4/12-13 8.6/17 8.8/25

Staple in E. root 12" ~~Elm~~ ~~Maple~~ 85' Lt. 225+75
Maple ok.

+1.1 +0.7 -1.2 -0.4 0.0 -0.3 -1.0 -0.4 -0.2 +1.0 +1.3
2.6/25 3.0/21 4.9/12-10 4.1/5 3.7 4.0/8 4.7/13-14 4.1/17 3.9/19 2.7/23 2.4/25

✓

1097.83

227			5.2	92.6
228			6.5	91.3
229			7.6	90.2
T.P.	1.49	1091.09	8.23	1089.60
+55 ℄ 12" K.P.			1.3	89.8
230			2.2	88.9
231			3.5	87.6
232			5.2	85.9
233		✓	6.2	84.9 ✓

-1.0 -0.7 -1.4 -0.5 0.0 -0.3 -0.9 -0.6

6.2 5.9 6.6 5.7 5.2 5.5 6.1 5.8

2.5 12 11-10 6 8 13-12 14-25

-0.8 -0.7 -1.4 -0.4 0.0 -0.3 -1.1 -0.5 -1.5

7.3 7.2 7.9 6.9 6.5 6.8 7.6 7.0 8.0

25 12 11-10 6 8 12-13 15-18 25

-0.5 -1.4 -0.2 0.0 -0.4 -1.2 -0.3 -1.5 -1.7

8.1 9.0 7.8 7.6 8.0 8.8 7.9 9.1 9.3

25-19 12-11 6 8 11-13 14-17 20 25

-0.8 -1.2 -1.5 -0.6 0.0 -0.1 -1.6 -1.5 -3.1

2.1 4.5 2.8 1.9 1.3 1.4 2.9 2.6 4.4

25 15 13-10 9 7 11-12 25 75

20'

-0.5 -0.9 -1.6 -0.1 0.0 -0.7 -1.6 -0.8 -0.9

2.7 3.1 3.8 2.3 2.2 2.9 3.8 3.0 3.1

25 14 13-12 3 7 11-12 9 25

+0.4 -0.3 -0.6 -0.5 0.0 +0.1 -0.4 -1.6 -1.0 -0.3 +0.2

3.1 3.8 5.1 4.0 3.5 3.4 3.9 5.1 4.5 3.8 3.3

25 17 15-14 8 2 8 12-13 14-15 18 25

+0.8 +0.4 -1.0 -1.7 -0.5 0.0 -0.6 -1.4 +0.3 +1.1

4.8 4.3 6.2 6.9 5.7 5.2 5.8 6.6 4.9 4.1

25 19 16-15 14-13 6 9 12-13 15 25

0.0 -0.4 -1.0 -1.7 -0.5 0.0 -0.7 -1.2 -0.6 +0.1

6.2 6.6 7.2 7.9 6.7 6.2 6.9 7.4 6.8 6.1

25 19 14 15-13 9 4 12-13 13-14 16-25

		1091	09		
234				7.2	83.9
235				7.8	83.3
T.P.	3.65	1085	91	8.83	108 2.26
236				3.0	82.9
237				3.4	82.5
238				4.0	81.9
239				5.0	80.9 ✓
	5.41	1085	82	5.41	1080.41 1080.50
240				7.2	78.6
241				8.2	77.6
T.P.	2.35	1078	6.0	9.57	1076.25

✓ ✓

-0.2 -0.6 -1.4 -0.9 0.0 -0.5 -1.3 -1.0 -0.4
7.4 7.8 8.6 8.1 7.2 7.7 8.5 8.2 7.6
25 10 15-14 12 6 10-11 12-14 16-25

-0.7 -0.8 -1.4 -0.6 +0.1 0.0 -0.5 -1.2 -0.9 -1.2
8.5 8.6 9.2 8.4 7.7 7.8 8.3 8.0 8.1 9.0
25 15 14-13 12 3 7 10-11 12 25

-0.7 -0.8 -1.5 -0.6 0.0 -0.6 -1.6 -1.0 -1.4
3.7 3.8 4.5 3.6 3.0 3.6 4.6 4.0 4.4
25 15 14-13 9 8 11-12 14 25

-0.3 -0.6 -1.5 -0.8 0.0 -0.9 -1.7 -1.1
3.7 4.0 4.9 4.2 3.4 4.3 5.1 4.5
25 14 13-12 9 11 13-14 15-25

-0.4 -0.8 -1.9 -1.0 0.0 0.0 -0.8 -1.7 -0.9
4.4 4.6 5.7 5.0 4.0 4.0 4.8 5.7 4.9
25 15 13-12 9 2 12 14-15 16-25

+0.7 +0.1 -1.7 -2.3 -0.8 0.0 -0.7 -2.3 -0.1 +0.7
4.3 4.9 6.7 7.3 5.8 5.0 5.7 7.3 5.1 4.3
25 18 15-14 13-12 8 11 15-16 19 25

Staple S. Enroot 12" W, Sharp, 30'K+240+0

+1.8 +1.2 -0.6 -1.4 -0.7 0.0 -0.5 -1.4 +0.7 +1.2
5.4 4.0 7.8 8.6 7.9 7.2 7.7 8.6 6.5 6.0
25 18 15-12 11-10 6 7 13-14 10 25

-1.5 -0.5 -1.3 -0.6 0.0 +0.3 -0.4 -1.2 -0.6 -0.8
9.7 8.7 9.5 8.8 8.2 7.9 8.6 9.4 8.8 9.0
25 17-12 11-10 7 3 6 12-13 14 25

1078 GO

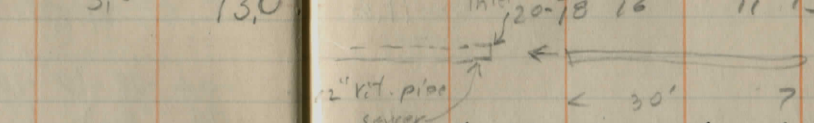
242			2.5	76.1
243			3.6	75.0
244			5.1	73.5
+80 ℄ 10" V.P. (12" Req'd)			5.0	73.6
245			4.8	73.8
246			3.0	75.6
T.P. +80	6.89	1083	2.32 3.3	1076.28 79.9
247			4.2	79.0

-0.6 -0.1 -0.8 -1.9 -0.9 0.0 -0.6 -1.3 -0.7 +0.4 +0.8
3.1 2.6 3.3 4.4 3.4 2.5 3.1 3.8 3.2 2.1 1.7
25 15 12 11-10 8 7 10-11 12-14 16 25

-1.2 -1.0 -2.0 -1.0 0.0 -0.6 -1.5 -1.0 0.0
4.8 4.6 5.4 4.6 3.6 4.2 5.1 4.6 3.6
25 14 13-12 9 6 10-11 12 16-25

+0.6 +0.9 -0.8 -1.2 -0.9 0.0 -0.3 -1.0 +0.2 +0.7
4.5 4.2 5.9 6.3 6.0 5.1 5.4 6.1 4.9 4.4
25 20 17-15 13-12 10 6 10-11 13 25

-3.3 -1.0 0.0 -0.8 -2.5 -2.3 -1.0 -1.3
8.3 6.0 5.0 5.8 7.5 7.3 6.0 6.3
18 16 11 13 15 16 25



-1.7 -1.4 -2.6 -0.6 0.0 -0.6 -1.8 -0.9 -1.1
6.5 6.2 7.4 5.1 4.3 5.4 6.6 5.7 5.3
25 19 18-17 12 8 11-12 13 25

+1.7 +1.6 -0.3 -1.1 0.0 0.0 -0.3 -0.8 +0.3 +1.2
1.3 1.4 3.3 4.1 3.0 3.0 3.3 3.8 2.7 1.8
25 22 18 14 3 3 10-11 14 25

+1.4 -0.3 0.0 -0.7 +1.1 +1.4
1.9 3.6 3.3 4.0 2.2 1.9
25 10 10 12 25

+1.9 +1.0 0.0 -0.6 0.0 -0.4 +1.2 +2.3
2.3 3.2 4.2 4.8 4.2 4.6 3.0 1.9
25 16 14 10 10 12 25

1.083 1.7

248			8.1	75.1
249			10.2	73.0
T.P. 250	.388	1076.20	10.85 3.8	1072.32 72.4
251			4.6	71.6
+75 E	2 x 1½ Stone box, fair cond. Ext. Rt. end use top cap-stone.		4.6	71.6
252			4.8	71.4
253			4.5	71.7
+15			4.5	71.7
B.M.			2.63	1073.57 73.56

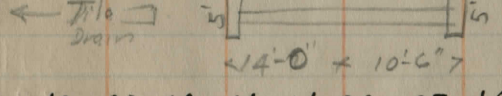
+1.5 +0.9 +0.8 −1.2 −0.7 0.0 0.0 −0.5 −1.1 +1.0 +1.4
6.6 7.2 7.3 9.3 8.8 8.1 8.1 8.6 9.2 7.1 6.7
25 19 14 10-9 7 4 9 12-13 19 25

−1.7 −1.5 −0.7 −1.0 0.0 −0.8 −1.0
11.9 11.7 10.9 11.2 16.7 11.0 11.2
25 17 12 10 13 25

−0.8 −1.0 −1.5 0.0 −0.9 −1.6 −0.9 −0.6
4.6 4.8 5.3 4.7 5.4 4.7 4.4
25 14 11 3.8 10 13-14 15 18-25

−0.6 −0.7 −1.4 −0.6 0.0 −1.0 −1.9 −1.0 +0.3 +1.1
5.2 5.3 6.0 5.2 4.6 5.6 6.5 5.6 4.3 3.5
25 15 14-13 9 10 12-13 14 20 25

−2.6 −0.7 0.0 +0.1 −2.2 −2.2 −1.1
7.2 4.8 4.6 4.5 6.8 6.8 5.7
15 17 8 11 17 18-21 25



−1.3 −2.2 −1.0 −0.4 +0.1 0.0 −0.3 −1.6 −0.7 +0.3
6.1 7.0 5.8 5.2 4.7 4.8 5.1 6.4 5.5 4.5
25-23 22-21 19 13 3 9 11-12 13-20 25

−0.6 −0.5 −1.0 +0.5 0.0 −0.3 +0.1 +0.1
5.1 5.0 5.5 4.0 4.5 4.8 4.9 4.9
25 20 17 5 5 10 25

−0.1 −0.2 −0.8 −0.1 +0.6 0.0 −0.3 +1.5 +2.6 +3.1
4.6 4.7 5.3 4.6 3.9 4.5 4.8 3.0 1.9 1.4
25 20 17 13 7 6 11 17 25

Spike in S. W. root 14" Maple 27' Rt. 2527.80

1076 20

+65			3.4	72.8
254			4.3	71.9
+79 £ 10" V.P. (Req'd 18")			4.6	71.6
255			4.8	71.4
256			4.0	72.2
T.T. 257	12.10	1085.54	2.76 12.3	1073.44 73.2
258			10.7	74.8
259	✓		9.4	76.1 ✓

-0.7 -0.4 -1.0 +0.3 +0.4 0.0 -0.6 +1.9 +3.9
4.1/25 3.7/20 4.4/18-17 3.7/13 3.0/5 3.4 4.0/7 1.5/13 -0.5/25

-0.2 +0.1 -0.7 0.0 +0.6 0.0 -0.6 +2.6 +3.9
4.5/25 4.2/21 5.0/18 4.3/14 3.7/7 4.3 4.9/8 1.7/15 0.4/25

-2.9 -2.7 -1.6 -0.3 0.0 -0.6 -1.7 -1.7 -0.3
7.5/25 7.3/19 6.2/17.5 4.9/13 5.2/7 6.3/7.1 6.3/11 4.9/25

Good fall

-1.6 -1.5 -0.7 -1.6 -0.5 0.0 0.0 -0.1 -1.2 -0.3 -0.1
6.4/25 6.3/21 5.5/17 6.4/15-14 5.3/12 4.8/6 4.8/6 4.9/6 6.0/8-9 5.1/10 4.9/25

-1.1 -0.6 -1.1 -0.5 +0.2 0.0 -0.6 -1.1 -0.4 +0.6 +1.6
5.1/25 4.6/16 5.1/14-13 4.5/10 3.8/5 4.0 4.6/5 5.1/9 4.4/10-12 3.4/14 2.4/25

-0.8 -0.7 -1.3 -0.7 +0.2 0.0 -0.4 -1.1 -0.4 -0.6 -0.4
13.1/25 13.0/16 13.6/15-14 13.4/12 12.1/4 12.3 12.7/5 13.4/9-10 12.7/11 12.9/16 12.7/25

-0.1 -0.9 -1.5 -0.9 +0.1 0.0 -0.4 -1.2 -0.6 -0.2
10.8/25 11.6/16 12.2/15-14 11.6/13 10.6/3 10.7 11.1/4 11.9/8-9 11.3/10 10.9/25

+1.4 +1.1 -1.6 -0.6 +0.2 0.0 -0.7 -1.3 -0.5 +0.4
8.0/25 8.3/21 11.0/16-15 10.0/11 9.2/4 9.4 10.1/7 10.7/9-10 9.9/11 9.0/25

	1085 54			
260		7,5	78,0	
+75	End of Con.	5,3	80,2	
B.M.		0,79	1084,75	Spike in S.W. side 12" Apple, 60' Lt Col.
		3,1	82,4	End + 100 ft.

✓ ✓

+1.9 +1.7 -0.6 -1.4 -1.0 +0.3 0.0 -0.6 -1.7 +0.1 +0.7

5.6 5.8 8.1 8.9 8.5 7.2 7.5 8.1 9.2 7.4 6.8

25 24 18 16-15 13 3 6 8,9 11 25

+2.1 +1.6 -1.6 -0.9 0.0 +0.1 -0.6 +1.7 +2.2 +1.7

3.2 3.7 6.9 6.2 5.3 5.2 5.9 3.6 3.1 3.6

25 23 18-16 14 10 13-15 18 21 25

7-21-22 Grades on Curve at 162+87 I

B.M.	0.99	1175 72		1174.73
162+50	without fall (Flat)		2.45 / .12 / 2.57	73.27
P.C. +87 I	superelevate .16		3.42 / .16 / 3.26	72.30
163	" .21		3.73 / .21 / 3.52	71.99
+25	" .32		4.52 / .32 / 4.20	71.20
+50	" .42		5.41 / .42 / 4.99	70.31
+75	.42		6.41 / .42 / 5.99	69.31
164			7.46 / .42 / 7.04	68.26
+25			8.51 / .42 / 8.09	67.21
+50			9.56 / .42 / 9.14	66.16
+75			10.61 / .42 / 10.19	65.11
165	1167.16		11.66 / .42 / 11.24	64.06
+25			4.15 / .42 / 3.73	63.01
+50			5.20 / .42 / 4.78	61.96
+75			6.25 / .42 / 5.83	60.91
166	superelev. .32		7.30 / .32 / 6.98	59.86
P.T. +21.06	" .22		8.18 / .22 / 7.96	58.98
+50	" .12		9.40 / .12 / 9.28	57.76

1175.72
11.26
1164.46
2.70
67.16

7-22-22 Hot

Henna Gray Sporty

B.M.	4.01	1178 74		1174.73
162+50		flat	5.47	73.27
162			4.64 / .12 / 4.76	74.10
+50			4.40 / .12 / 4.52	74.34
+25			4.53 / .12 / 4.65	74.21
161			4.80 / .12 / 4.92	73.94
+50			5.83 / .12 / 5.95	72.91
160			7.40 / .12 / 7.52	71.34
+50			9.05 / .12 / 9.17	69.69
159			10.70 / .12 / 10.82	68.04
+50			12.35 / .12 / 12.47	66.39
T.P.	1.50	1167 78	12.46	1166.28
158			3.04 / .12 / 3.16	64.74
+50			4.69 / .12 / 4.81	63.09
157			6.34 / .12 / 6.46	61.44
+50			7.99 / .12 / 8.11	59.79
156			9.64 / .12 / 9.76	58.14
+50			11.29 / .12 / 11.41	56.49
T.P.	1.71 (~~54.76~~)	1158.08	11.41	1156.37
155			3.24 / .12 / 3.36	54.84
+50			4.89 / .12 / 5.01	53.19
154			6.44 / .12 / 6.56	51.64
T.P.	9.11	11 59 16	8.03	1150.05
+50			8.07 / .12 / 8.19	51.09
+20			7.81 / .12 / 7.93	51.35
153			7.39 / .12 / 7.51	51.77

		1159 16		
+50			5.49 / 5.61	53.67
152			2.46 / 2.58	56.70
T.P.	9.98	1168 67	047	1158.69
+50			8.72 / 8.84	59.95
151			5.47 / 5.57	63.20
+50			2.22 / 2.07	66.45
T. P.	12.09	1178.46	2.30 / 8.76	1166.37
150			8.98 / 8.51	69.70
+50			5.23 / 5.37	72.95
149			2.46	76.12
T. P.	10.23	1186.23	2.46	1176.00
+50			7.47 / 7.59	78.76
+25			6.98 / 6.50	79.85
148			5.47 / 5.56	80.79
+50			4.03 / 4.15	82.20
147			3.28 / 3.18	83.08
+50			2.35 / 2.47	83.88
146			1.55 / 1.67	84.68
T.P	6.58	1191 14	1.67	1184.56
+50			5.73 / 5.85	85.41
145			5.12 / 5.26	86.00
B.M.	3.87	1191.22	3.87	1187.35
+50			4.76 / 4.88	86.46
144			4.44 / 4.56	86.78
+50			4.19 / 4.31	87.03
143			3.14 / 4.02	87.28

		1191.22		
+50			3.66 / 3.78	87.56
142			3.34 / 3.46	87.88
+50			2.96 / 3.08	88.26
141			2.54 / 2.66	88.68
+50			2.09 / 2.21	89.13
T.P.	5.64	1194.62	2.24	1188.98
140			5.04 / 5.16	89.58
+50			4.59 / 4.71	90.03
139			4.14 / 4.26	90.48
+50			3.68 / 3.81	90.93
138		1-25-22 Hanna Grade Nail in W. side T. pole.	3.27 / 3.36	91.38
T.P.	4.73	1197.38	1.97	1192.65
+50			5.10 / 5.22	92.78
137			4.63 / 4.77	92.73
+50				93.18
136				93.63
+50				94.08
135				94.53
+50			5.55 / 5.67	91.83
137			5.10 / 5.22	92.28
+50			4.65 / 4.77	92.73
136			4.20 / 4.32	93.18
+50			3.75 / 3.87	93.63
135			3.30 / 3.42	9408
+50			2.85 / 2.97	94.53
134			2.40 / 2.52	94.98
T.P.	6.54	1201.40	2.52	1198.86

1201.40

+50				5.97 / 6.09	95.43	B.M.	5.63	1216.54				6.06 / 6.18	1210.91 / 10.48
133				5.52 / 5.64	95.88	123+50						5.15 / 5.27	11.39
132+50				5.07 / 5.19	96.33	123						4.23 / 4.35	12.31
131+90				4.53 / 4.65	96.87 / 1196.66	+50						3.32 / 3.44	13.22
B.M.				4.76	1196.64	122						2.39 / 2.51	14.24
+50				4.17 / 4.29	97.23	+50						1.09 / 1.20	15.46
131				3.72 / 3.84	97.68	121						1.20	1215.34
+50				3.21 / 3.33	98.19	T.P.	9.34	1224.68				7.80 / 7.92	16.88
130				2.59 / 2.71	98.81	+50						6.17 / 6.29	18.51
+50				1.85 / 1.96	99.56	120						4.44 / 4.56	20.24
T.P.	7.90	1207.31		1.99	1199.41	+50			.04 low			2.71 / 2.83	21.97
129				6.90 / 7.02	00.41	119						1.09 / 1.10	23.70
+50				5.98 / 6.10	01.33	+50						1.10	1223.58
128				5.07 / 5.19	02.24	T.P.	8.05	1231.63				6.20 / 6.32	25.43
+50				4.15 / 4.27	03.16	118						4.95 / 4.97	26.78
127				3.24 / 3.36	04.07	+50						4.27 / 4.39	27.50
+50				2.32 / 2.44	04.99	117						4.07 / 4.19	27.50
126				1.41 / 1.53	05.90	+50						3.87 / 3.99	27.76
T.P.	6.26	1212.04		1.53	1205.78	116						3.67 / 3.79	27.96
+50				5.22 / 5.34	06.82	+50						3.24 / 3.36	28.39
125				4.31 / 4.43	07.73	115						3.53	1228.10
+50				3:39 / 3.51	08.65	T.P.	6.23	1234.33				5.04 / 5.16	29.29
124				2.48 / 2.60	09.56 / 1210.91	+50						3.92 / 4.04	30.41
BM.				1.17	1209.87	114						2.72 / 2.84	31.54
						+50						1.47 / 1.59	32.66
						113						0.54 / 0.66	33.79
						+50							

T.P.	6.93	1234 33 1240 60		0.66	1233.67
				5.69 / 5.81	
112					34.91
+50				4.56 / 4.68	34.04
B.M.				3.87	1236.73
111				3.44 / 3.56	37.16
+50				2.31 / 2.43	38.29
110				1.19 / 1.31	39.41
+50				0.06 / 0.18	40.54
T.P.	4.94	1245 45		0.09	1240.51
				3.79 / 3.91	
109					41.66
B.M.	8.86	1245 59			1236.73
+50				2.80 / 2.92	42.79
108				1.68 / 1.80	43.91
T.P.	9.07	1252 86		1.80	1243.79
+50				1.82 / 1.94	45.04
107				2.79 / 2.92	46.16
+50				5.57 / 5.69	47.29
106				4.45 / 4.57	48.41
+50				3.18 / 3.30	49.68
105				1.65 / 1.77	51.21
T.P.	9.88	1261 90		0.84	1252.02
+50				8.87 / 8.99	53.03
104				6.78 / 6.90	55.12
+50				4.55 / 4.67	57.35
103				2.32 / 2.44	59.58
+50				.09 / 0.21	61.81
T.P.	8.49	1270 16		0.23	1261.67
B.M.	3.85	1270 18		3.95	65.31

		1270 18			
				6.14 / 6.26	
102					64.04
+50					65.04
+50				4.40 / 4.52	65.78
+25				3.91 / 4.03	66.27
101	8:14:72 Hot	Hanna Gray Sperry			
B.M.	3.46	1269 79			66.33
101				3.27 / 3.39	66.52
+75				3.38 / 3.50	66.51
+50				3.52 / 3.64	66.27
+25				4.04 / 4.16	65.75
100				4.72 / 4.91	65.00
+75				5.79 / 5.91	64.00
+50				7.04 / 7.16	62.75
+25				8.42 / 8.54	61.37
99				9.72 / 9.91	60.00
T.P.	2.97	1262 85		9.91	1259.88
+50				5.60 / 5.72	57.25
98				8.35 / 8.47	54.50
+50				11.10 / 11.22	51.75
T.P.	1.04	1252 68		11.21	1251.04
97				3.54 / 3.66	49.14
+50				5.89 / 6.01	46.79
96				7.96 / 8.08	44.72
+50				9.77 / 9.89	42.91
95				11.29 / 11.41	41.39
T.P.	0.17	1241 43		11.42	1241.26
+50				1.31 / 1.43	40.12

1241 43

94			2.43 / 2.55	39.00	
+50			3.55 / 3.67	37.88	
93			4.68 / 4.80	34.75	
+50			5.75 / 5.87	33.68	
92			6.77 / 6.86	34.69	
+50			7.63 / 7.75	33.80	
91			8.92 / 8.55	33.00	
+50			9.18 / 9.30	32.25	
T.P.	3.77	1235.90	9.30	1232.13	
90			4.40 / 4.52	31.50	
+50			5.15 / 5.27	30.75	
89			3.90 / 2.02	30.00	
B.M.	2.04	1232 55	5.40	1230.51 / 1230.50	B.M.
+50			3.30 / 3.42	29.25	
88			1.13 / 1.25	28.42	
+50			1.12 / 1.25	27.42	
87			6.42 / 4.63 / 1.76	26.25 / 24.92	
86			1.13 / 1.25	23.42	
T.P.	0.44	1223 73	9.26	1223.29	
+50			1.98 / 2.10	21.75	
85	200' V.C.	New Grade 21.85 / 20.41 / 19.17	3.52 / 3.64	20.21	
+50			4.66 / 4.78	19.07	
84			5.53 / 5.27	18.14	
+50			2.52 / 2.64	17.21	
83			7.45 / 7.57	16.28	

1223 73

+50			8.38 / 8.50	15.35	
82			9.31 / 9.43	14.42	
+50			10.24 / 10.36	13.49	
81			11.17 / 11.29	12.56 / 12.68	
B.M.			6.83	12 6.90	
	054	1217 42		16.88	C.P.
N.W. cor. S. pr. Con. N.W.			6.90 / 7.90 Fill 1.0	5.33	1212.09
80			6.86 / .04 / 6.90		10.56
T.P.	1.57	1211 09	7.90		1209.52
+50			1.89 / 1.99		09.19
79			3.33 / 3.37		07.76
+80			1.97 / 4.11		07.02
78			4.14 / 4.48		06.65
+80			4.29 / 4.33		06.80
77			3.65 / 3.69		07.44
+50			2.56 / 2.60		08.53
76			1.46 / 1.45		09.68
B.M.	1.97	1216 29			12 4.32
74+50			3.62 / 3.66		12.67
75			11.36 / 11.40		11.93
+50			5.84 / 5.80		10.83
76			6.61 / 6.65		09.68
+50			7.76 / 7.80		08.53
T.P.	2.37	1210.86	7.80		1208.49
77			3.47 / 3.46		07.44

Grd. 1.5.08 higher than profile Grd. for 8" pavement

8-23-22

B.M.	0.96	1215.28			1214.32				T.P.	2.21	1215.71		3.57	1213.00
74+25				2.60 / 2.44	12.88				+50				2.74 / 2.75	12.50
74				2.28 / 2.32	13.00				62				3.59 / 3.54	11.71
+50	Lowered	(0.1)		2.37 / 2.41	12.91				B.M.				8.44	1206.78
73	"	(0.2)		2.82 / 2.86	12.46				B.M.	5.17	1211.97			1206.78
+50	"	(0.1)		3.32 / 3.36	11.96				62				0.26 / 0.30	11.71
72				3.61 / 3.65	11.67				+50				1.27 / 1.31	10.70
+50				3.79 / 3.83	11.79				61				2.53 / 2.57	09.44
71				3.16 / 3.20	12.12				+50				4.01 / 4.05	07.96
+50				2.83 / 2.87	12.45				60				5.61 / 5.65	06.36
T.P.	6.24	1218.64		2.08	1212.40				+50				7.09 / 7.04	04.97
70				6.86 / 5.90	12.78				T.P.	0.78	1205.69		7.06	1204.91
+50				5.53 / 5.57	13.11				59				1.68 / 1.72	04.01
69				5.20 / 5.24	13.44				+50				2.63 / 2.67	03.26
+50				4.87 / 4.91	13.77				58				3.68 / 3.72	02.51
68				4.54 / 4.58	14.10				+50				3.93 / 3.97	01.76
+50				4.21 / 4.25	14.43				57				4.68 / 4.72	01.01
67		0.1		4.01 / 4.05	14.63				+50				5.16 / 5.21	00.52
+50		0.2		4.08 / 4.12	14.56				56				5.13 / 5.17	00.56
66		0.3		4.38 / 4.42	14.36				+50				4.52 / 4.61	01.12
T.P.	2.25	1216.57		4.32	1214.32				55				3.43 / 3.52	02.21
+50	Lowered	0.3		2.41 / 2.45	1416				+50				2.13 / 2.17	03.56
65		0.3		2.61 / 2.65	13.96				T.P.	2.20	1211.73		2.14	1203.55
+50		0.3		2.81 / 2.85	13.76				54				6.82 / 6.86	04.91
64		0.3		3.01 / 3.05	13.56				+50				5.42 / 5.51	06.26
+50		0.2		3.31 / 3.35	13.36				53				4.13 / 4.16	07.61
63		Lowered 01		3.53 / 3.57	13.04				B.M.				4.55	1207.22 / 1207.18

B.M.	1.71	1208.93		1207.22
			0.84 / 9.88	
+75				08.09
+50			0.72 / 0.76	08.21
+25			0.97 / 1.01	07.96
52			1.63 / 1.27	07.30
+50			1.79 / 1.33	05.64
51			1.95 / 1.99	03.98
+50			2.61 / 2.65	02.32
50			8.27 / 8.31	00.66
T.P.	0.36	1200.98	8.31	1200.62
+50			1.98 / 2.02	99.00
49			3.24 / 3.28	97.34
+50			5.25 / 5.29	95.73
48			6.76 / 6.80	91.22
+50			8.67 / 8.21	92.81
47			9.38 / 9.52	91.50
+50			10.74 / 10.78	90.24
46			12.89 / 12.04	88.98
TP			wall in T. pole E. side → 9.41	1191.57
B.M.	2.18	1161.29		1159.11
32			5.78 / 5.82	55.51
+50			7.68 / 7.72	53.61
31			9.58 / 9.62	51.71
+50			11.48 / 11.52	49.81
T.P.	3.26	1152.40	12.15	1147.14
30			4.49 / 4.53	47.91
+50		(46.10) V.C.	2.39 / 6.43	46.01
+28 3 P.T.		(45.40 V.C.)	7.68 / 7.22	45.22

		1152.40		
29		(44.50 V.C.)	8.19 / 8.14	44.30
+75		(43.77 V.C.)	8.80 / 8.84	43.60
+50		(43.08 V.C.)	9.44 / 9.48	42.93
+25		(42.45 V.C.)	7.98 / 10.02	42.42
28			10.54 / 10.58	41.86
T.P.	2.40	1144.22	10.58	1141.82
+75			2.91 / 2.95	41.31
+50			3.18 / 3.22	40.74
+25			4.85 / 4.89	40.17
27			4.78 / 4.82	3.944
+75			5.96 / 5.90 Mud → 4.33	38.36
800			Prism → 3.81	1140.41
+50			7.11 / 7.15	37.11
+25			8.38 / 8.34	35.89
B.M.	0.75	1178.89		1178.14
41			3.14 / 3.18	75.75
+50			4.63 / 4.67	74.26
40			2.15 / 2.19	72.74
+50			7.71 / 7.75	71.18
39			9.30 / 9.34	69.59
+50			10.93 / 10.97	67.96
38			12.58 / 12.63	66.30
T.P.	1.37	1167.63	12.63	1166.26
+50			3.21 / 3.05	64.62
37			4.67 / 4.73	67.94
+50			2.30 / 6.24	61.43
36				60.24
+50				59.44

B.M. Store at Novelty, blue cross on N.W. Cor. 2nd. step to store porch.
Elev = 1108.70
1167 63

37				63.05
+80				61.71
36				60.61
+80				59.72
35				59.07
+80				58.65
34				58.34
B.M.				59.11
+80				58.03
33				57.72
+80				57.01
32				55.51
B.M.	4.15	1182.29		1178.14
41+50				77.20
42				78.62
+50				80.00
43				81.35
T.P.	8.40	1189.68		1181.28
+50				82.66
44				83.94
+50				85.20

1189.68

15			86.76
+50			87.72
46			88.98
T.P.	5.63	1194.57	1188.94
B.M. T.P.			ck. 91.57
+50			90.24
47			91.50

see other level Book
Back part

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	5/16	.0677	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	.0781	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	.0885	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	.1042	3/4	.2292	4—	.3333	1/4	.4375	1/2	.5417	13/16	.6458	9—	.7500	1/4	.8542	1/2	.9583
5/16	.0260	9/16	.1146	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	.1250	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	.1354	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	.1563	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	.1667	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	.1771	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	1/4	.1875	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	.1927	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	.1979	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	.2031	7/16	.2865	11/16	.3906	15/16	4948	3/16	.5990	7/16	.7031	11/16	.8073	15/16	.9115		
1/16	.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		

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