Chardon-Mentor Road

85

LEVEL BOOK

744

TABLE OF INCHES REDUCED TO DECIMALS OF A FOOT.

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
1/8	.0104	1 3/8	.1146	2 5/8	.2188	3 7/8	.3229	5 1/8	.4271	6 3/8	.5313
3/16	.0156	1 7/16	.1198	2 11/16	.2240	3 15/16	.3281	5 3/16	.4323	6 7/16	.5365
1/4	.0208	1 1/2	.1250	2 3/4	.2292	4 —	.3333	5 1/4	.4375	6 1/2	.5417
5/16	.0260	1 9/16	.1302	2 13/16	.2344	1/16	.3385	5 5/16	.4427	6 9/16	.5469
3/8	.0313	1 5/8	.1354	2 7/8	.2396	1/8	.3438	5 3/8	.4479	6 5/8	.5521
7/16	.0365	1 11/16	.1406	2 15/16	.2448	3/16	.3490	5 7/16	.4531	6 11/16	.5573
1/2	.0417	1 3/4	.1458	3 —	.2500	1/4	.3542	5 1/2	.4583	6 3/4	.5625
9/16	.0469	1 13/16	.1510	1/16	.2552	5/16	.3594	5/16	.4635	13/16	.5677
5/8	.0521	1 7/8	.1563	1/8	.2604	3/8	.3646	7/16	.4688	7/8	.5729
11/16	.0573	1 15/16	.1615	3/16	.2656	7/16	.3698	1/2	.4740	15/16	.5781
3/4	.0625	2 —	.1667	1/4	.2708	1/2	.3750	9/16	.4792	7 —	.5833
13/16	.0677	1/16	.1719	5/16	.2760	9/16	.3803	5/8	.4844	1/16	.5885
7/8	.0729	1/8	.1771	3/8	.2813	5/8	.3854	11/16	.4896	1/8	.5938
15/16	.0781	3/16	.1823	7/16	.2865	11/16	.3906	3/4	.4948	3/16	.5990
1 —	.0833	1/4	.1875	1/2	.2917	3/4	.3958	13/16	.5000	1/4	.6042
1/16	.0885	5/16	.1927	9/16	.2969	13/16	.4010	6 —	.5052	5/16	.6094
1/8	.0938	3/8	.1979	5/8	.3021	7/8	.4063	1/16	.5104	3/8	.6146
3/16	.0990	7/16	.2031	11/16	.3073	15/16	.4115	1/8	.5156	7/16	.6198
1/4	.1042	1/2	.2083	3/4	.3125	5 —	.4167	3/16	.5208	1/2	.6250

Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.	Ins.	Dec.
7 9/16	.6302	8 13/16	.7344	10 1/16	.8385	11 5/16	.9427				
5/8	.6354	7/8	.7396	1/8	.8438	3/8	.9479				
11/16	.6406	15/16	.7448	3/16	.8490	7/16	.9531				
3/4	.6458	9 —	.7500	1/4	.8542	1/2	.9583				
13/16	.6510	1/16	.7552	5/16	.8594	9/16	.9635				
7/8	.6563	1/8	.7604	3/8	.8646	5/8	.9688				
15/16	.6615	3/16	.7656	7/16	.8698	11/16	.9740				
8 —	.6667	1/4	.7708	1/2	.8750	3/4	.9792				
1/16	.6719	5/16	.7760	9/16	.8802	13/16	.9844				
1/8	.6771	3/8	.7813	5/8	.8854	7/8	.9896				
3/16	.6823	7/16	.7865	11/16	.8906	15/16	.9948				
1/4	.6875	1/2	.7917	3/4	.8958	12 —	1.0000				
5/16	.6927	9/16	.7969	13/16	.9010						
3/8	.6979	5/8	.8021	7/8	.9063						
7/16	.7031	11/16	.8073	15/16	.9115						
1/2	.7083	3/4	.8125	11 —	.9167						
9/16	.7135	13/16	.8177	1/16	.9219						
5/8	.7188	7/8	.8229	1/8	.9271						
11/16	.7240	15/16	.8281	3/16	.9323						
3/4	.7292	10 —	.8333	1/4	.9375						

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

Chardon–Mentor Rd.
Chardon Twp.
Geauga County, O.
1922

INDEX

9-13-'22
Fair

Hanna
Grau

B.M. LEVELS

U.S.G.S.B.M.		1226	1235	03		1232.77
T.P.	1.54	1233	85	2.72	1232.31	
T.P.	10.52	1239	09	5.28	1228.57	
T.P.	11.14	1249	64	0.59	1238.50	
T.P.	11.35	1260	69	0.30	1249.34	
T.P.	12.64	1273	16	0.17	1260.52	
T.P.	11.74	1284	84	0.06	1273.10	
T.P.	12.00	1296	84	0.00	1284.84	
T.P.	6.57	1303	41	0.00	1296.84	
T.P.	8.10	1309	03	2.48	1300.93	
B.M.				5.94	1303.09	Nail in W. root 1st maple on Lt. Corp. line
T.P.	1.50	1297	82	12.71	1296.32	
T.P.	1.46	1288	30	10.98	1286.84	
T.P.	1.57	1277	21	12.66	1275.64	
B.M.				3.84	1273.37	Nail in N.E. root 28" Apple (E. of Osborn's) Lt.
T.P.	0.65	1265	40	12.46	1264.75	
T.P.	0.15	1253	17	12.38	1253.02	
T.P.	10.95	1256	23	7.89	1245.28	S.E. cor. Rt. parapet.
B.M.				6.71	1249.52	3 Nails in N.W. root 36" Oak Lt.
T.P.	11.74	1267	97	0.00	1256.23	
T.P.	11.48	1279	17	0.28	1267.69	
T.P.	12.67	1291	18	0.66	1278.51	

Bronz tablet N.E. Cor. C.T. Usher's house S.W. corner Court & Washington Sts.

× N.E. Cor Culv. W. of Moyer's.

Sta.	B.S.	H.I. 1291	18	F.S.	Elev.	
T.P.	9.86	1301	00	0.04	1291.14	
T.P.	5.81	1305	30	1.51	1299.49	
B.M.	9.30	1310	37	4.23	1301.07	Nail in S. root 24" Maple, at curve Rt.
T.P.	6.63	1315	38	1.62	1308.75	
T.P.	1.12	1307	81	8.69	1306.69	
B.M.	2.66	1306	87	3.60	1304.21	Spike in W. side 12" Maple Lt. (Wheat)
T.P.	6.38	1310	35	2.90	1303.97	
B.M.				5.98	1304.37	Nail in N.W. root 15" Hickory Lt. (E. of house Kapp's)
T.P.	0.78	1306	18	4.95	1305.40	
T.P.	2.21	1297	11	11.28	1294.90	
T.P.	1.80	1289	84	9.07	1288.04	
B.M.				5.47	1284.37	Nail in N.E. root 40" Elm, Lt. W. side Ctr. Rd. (Stump?)
T.P.	2.78	1280	90	11.72	1278.12	
T.P.	1.60	1272	24	10.26	1270.64	
B.M.				2.11	1270.13	Nail in S. root 4' Chestnut Rt.
T.P.	1.00	1261	60	11.64	1260.60	
T.P.	0.31	1249	69	12.22	1249.38	
T.P.	0.81	1237	52	12.98	1236.71	
T.P.	1.83	1227	87	11.48	1226.04	
B.M.				3.56	1224.31	Nail in S.W. root 15" Apple Rt.
T.P.	0.46	1215	90	12.43	1215.44	
T.P.	2.36	1207	66	10.60	1205.30	

Manna - L
Grou - R

		1207	66			
B.M.				6.48	1201.18	Spike in S. root 4" Chestnut Rt.
T.P.	0.77	1196	62	11.83	1195.35	
T.P.	0.24	1184	89	11.97	1184.65	
T.P.	0.11	1172	49	12.51	1172.38	
T.P.	0.42	1160	29	12.62	1159.87	
T.P.	0.53	1147	93	12.89	1147.40	
T.P.	0.54	1135	49	12.98	1134.95	
B.M.				2.55	1132.94	Bent Spike in E. side 14" Apple E. of "Maple Rock" driveway
T.P.	9-20-22			12.55	1122.94	Q.p. glued stone in roadway. (Destroyed by tractor)
B.M.	2.07	1135	01		1132.94	
T.P.	0.07	1122	80	12.28	1122.73	
T.P.	0.13	1110	39	12.54	1110.26	
T.P.	2.35	1101	37	11.37	1099.02	1098.99
B.M.				0.38	1098.99	Nail with cap in N. root 20" Maple Rt.
T.P.	5.46	1094	42	7.41	1093.96	
B.M.				3.39	1091.03	Nail with cap in S.W. root 18" Maple Rt.
T.P.	6.84	1089	24	6.02	1088.40	
T.P.	0.30	1076	87	12.67	1076.57	
T.P.	0.78	1064	70	12.95	1063.92	
T.P.	0.10	1051	87	12.93	1051.77	
T.P.	1.85	1042	36	11.36	1040.51	
T.P.	0.11	1030	21	12.26	1030.10	
B.M.				7.27	1022.94	Bottom of S.E. Corner board. Knot to Lft.
T.P.	0.28	1018	01	12.45	1017.73	

		1018	01			
T.P.	0.01	1005.	02	13.00	1005.01	
T.P.	0.37	992	33	13.06	991.96	
T.P.	0.61	979	95	12.99	979.34	
T.P.	0.62	968	11	12.40	967.55	
T.P.	0.29	955	57	12.89	955.28	
T.P.	0.70	943	34	12.93	942.64	
T.P.	1.68	932	15	12.87	930.47	
B.M.				8.90	923.25	X on N.W. cor. Lt. wall to Arch Brg.
T.P.	10.74	942	35	0.54	931.61	
T.P.	10.84	952	31	0.88	941.47	Noon
T.P.	12.35	964	12	0.54	951.77	
T.P.	11.80	975	56	0.44	963.68	
T.P.	12.59	987	55	0.60	974.96	
T.P.	9.65	997	17	0.03	987.52	
T.P.	10.04	1006	71	0.50	996.67	
B.M.				2.68	1004.03	Tinheaded tack N.E. Root 18" Maple Lt.
T.P.	10.81	1017	27	0.25	1006.46	
T.P.	12.49	1029	50	0.26	1017.01	
T.P.	12.84	1042	22	0.12	1029.38	
T.P.	12.09	1054	29	0.02	1042.20	
T.P.	12.22	1066	27	0.24	1054.05	
T.P.	12.17	1078	19	0.25	1066.02	
T.P.	11.82	1089	25	0.76	1077.43	
T.P.	7.48	1096	20	0.53	1088.72	
B.M.				2.39	1093.81	Tin Headed tack W. root 15" Maple Rt. front of empty house.

		1096	20			
T.P.	11.68	1102	57	5.36	1090.84	
T.P.	12.38	1113	91	0.99	1101.53	
T.P.	8.20	1119	85	2.26	1111.65	Top large stone Lt.
T.P.	8.63	1127	95	0.53	1119.32	
B.M.				4.10	1123.79	Tin Headed tack N. root 36" Ash opposite Hickox ent.
T.P.	1.27	1116	72	12.50	1115.45	
T.P.	0.74	1105	05	12.41	1104.31	
T.P.	0.45	1093	02	12.48	1092.57	
T.P.	0.40	1080	44	12.98	1080.04	
T.P.	0.60	1068	36	12.68	1067.76	
T.P.	0.31	1055	99	12.68	1055.68	
T.P.	0.48	1044	86	11.61	1044.38	
T.P.	1.23	1033	70	12.69	1032.17	
B.M.				1.79	1031.61	Tin Headed tack on W. root 15" Maple Rt.
T.P.	4.68	1029	42	8.66	1024.74	
T.P.	11.21	1039	99	0.64	1028.78	
T.P.	7.16	1042	77	4.38	1035.61	
T.P.	1.34	1031	40	12.71	1030.06	
B.M.				5.37	1026.03	Tin Headed tack in E. root 30" Maple at Lt. X rds.

Cross-Sections

Sta.	B.S.	H.I.	F.S.	Elev.
B.M.	6.83	1309.92		1303.09
0-100			10.3	1299.6
-200			11.2	1298.7
0			7.7	1302.2
1			5.1	04.8
2			3.8	06.1
3			6.5	03.4
4			8.9	01.0
5			10.5	99.4
6			12.2	97.7
T.P.	1.63	1298.98	12.57	1297.35
7			2.9	96.1
8			5.0	94.0
9			6.4	92.6
10			7.9	91.1

✓

9-28-'22
Fair-Hot

Hanna
Grau
Spohn

9

Nail in W. maple 'Lt. Sta 0-20

(x sections are actual rod readings)

+1.1 +0.3 -1.1 -0.2 0.0 -0.6 -1.2 -0.5 0.0 +0.6
6.6 7.4 8.8 7.9 7.7 8.3 8.9 8.2 7.7 7.1
25 17 15 5 6 11 13 20 25

+0.7 +0.8 +0.2 -1.7 -0.9 0.0 -0.6 -1.5 -0.3 +0.4
4.4 4.3 4.7 4.8 6.0 5.1 5.7 6.6 5.4 4.7
25 20 16 13 9 7 12 14 25

+0.8 +0.2 -1.2 -0.5 0.0 -0.5 -1.3 -0.2 +0.5
3.0 3.6 5.0 4.3 3.8 4.3 5.1 4.0 3.3
25-19 15 13 8 8 13 14 25

+2.0 +1.3 -1.1 -0.5 0.0 -0.5 -1.2 +0.7 +1.3
4.5 5.2 7.6 7.0 6.5 7.0 7.7 5.8 5.2
25 17 14 10 7 13 15 25

+2.6 +1.6 -1.1 -0.5 0.0 -0.6 -1.2 +1.1 +1.9
6.3 7.3 10.0 9.5 8.9 9.5 10.1 7.8 7.0
25 18 15-14 10 9 13 15 25

+1.0 +0.2 -1.6 -0.3 0.0 -0.4 -1.3 -0.3 +0.5
9.5 10.3 12.1 10.8 10.5 10.9 11.8 10.8 10.0
25 16 14 6 6 13 14 25

+0.8 -0.2 -2.0 -1.0 -0.4 0.0 -0.5 -1.3 -0.5 -0.1
11.4 12.4 14.2 13.2 12.6 12.7 12.7 13.5 12.7 12.3
25 16 14 10 5 8 13 14 25

+0.8 -0.1 -1.8 -0.8 0.0 -0.6 -1.5 -0.4 +0.1
2.1 3.0 4.7 3.7 2.9 3.5 4.7 3.3 2.8
25-22 15 14-13 9 8 12-13 14 25

+1.7 +1.8 +1.2 -1.3 -0.5 0.0 -0.5 -0.9 +0.4 +0.7
3.3 3.1 3.8 4.3 5.5 5.0 5.5 5.3 4.6 4.1
25 21 15 13-11 7 8 10-12 13 25

+2.3 +2.3 -1.6 -0.8 0.0 -0.6 -1.3 +0.3 +1.3
3.5 4.1 8.0 7.2 6.4 6.9 7.7 5.5 4.5
25 16 13 9 6 11 13 25

+1.1 +0.5 -1.2 -0.5 0.0 0.0 -0.7 -1.6 +0.5 +1.2
6.8 7.4 9.1 8.4 7.9 7.9 8.6 9.5 7.4 6.7
25-21 17 14-13 10 7 6 11 13 25

Sta.	B. S.	H. I.	F. S.	Elev.
		1298 98		
10+33			8.4	90.6
11			11.9	87.1
T. P.	2.18	1289 02	12.14	1286.84
12			6.1	82.9
13			9.7	79.3
14			11.3	77.7
T. P.	4.12	1280 48	12.66	1276.36
14+06	1x1' Stone & 12" V.P. (Reg. "Pipe)		3.1	77.4
B. M.			7.09	1273.39 (73.37)
14+20			4.4	76.1
15			6.0	74.5
16			11.8	68.7
T. P. +50	4.02	1272	11.73	1268.75
			6.2	66.6

+1.2 +0.5 -1.8 -0.5 0.0 0.0 -0.4 -1.4 -2.3 +0.1 +0.3 +0.7
7.2 7.2 10.2 9.9 8.4 8.4 8.8 9.5 10.7 8.3 8.1 7.7
25 18 15-14 12 8 5 9 11 13 21 25

+2.4 +3.5 -0.9 -2.1 -0.7 -0.2 0.0 -0.2 -0.7 -1.5 -0.1 +1.3 +2.5
9.5 8.4 12.8 14.0 12.6 12.1 11.7 12.1 12.6 13.4 12.0 10.6 9.4
25 20 16 13 11 8 5 9 12 13 16 25

+1.4 -1.3 -2.2 -0.7 -0.2 0.0 -0.4 -1.0 -1.7 +1.4 +1.7 +2.8 +2.9
4.7 7.4 8.3 6.8 6.3 6.1 6.5 7.1 7.3 4.7 4.4 3.3 3.2
25-20 15 14 10 5 5 8 10 13 16 21 25

+0.1 -0.1 -1.1 -1.5 -0.8 -0.3 0.0 -0.5 -1.2 -0.2 +0.8
9.8 10.8 11.2 10.5 10.0 9.7 10.2 10.9 9.9 8.9
9.6 19 14 13 10 5 7 11-12 14 25
25

-2.2 -1.9 -0.9 -0.3 0.0 -0.5 -1.1 -2.2 -1.5 -0.6
13.2 13.2 12.2 11.6 11.3 11.8 12.4 13.5 12.8 11.9
25 12-14 9 5 5 9 12 13 25

-4.9 -3.2 -2.9 -2.7 0.0 -0.5 0.0 -0.9 -0.2 -2.2 -0.9 -0.3
8.0 6.3 2.0 5.8 3.1 3.6 3.1 4.0 9.3 5.3 4.0 3.4
75 50 25 11.8 11.5-9 8 9 10-12 12,3-13 14 25

12.54.8 1285.2

× 11÷8 × 12 ÷

Nail in N.E. root 23" apple 40' Lt. Sta 15+45

-1.5 -1.1 -0.2 0.0 -0.4 -0.1 +0.9
5.1 5.5 4.6 4.4 4.8 4.5 3.5
25 27-13 5 5 11 15 25

+1.6 +2.1 +1.5 -1.4 -0.9 -0.3 0.0 -0.2 -0.9 -1.8 -0.4 +2.9 +3.5
4.8 3.9 4.5 7.4 6.9 6.3 6.2 6.9 7.8 6.4 3.1 2.5
25 22 18 14 10 8 6 10 11-12 13-14 20 25

+2.5 +1.7 -0.9 -0.1 +0.2 0.0 -0.3 -1.1 +4.4 +5.2
9.3 10.1 12.7 11.9 11.6 11.3 12.1 12.9 7.4 6.6
25-20 17 14 10 3 7 8-9 16 25

+1.6 +2.0 +1.5 -1.2 -0.2 0.0 -0.2 -1.4 -2.4 +5.4 +6.0
4.7 4.2 4.7 7.4 6.4 6.2 6.4 7.6 8.6 0.6 0.2
25 21 17 14-13 10 5 9 19 25

✓

		1272 77			
17				10.2	62.6
+60				15.6	57.2
T.P.	1.19	1260	98	12.98	1259.79
18				7.7	53.3
T.P.	1.55	1250	29	12.24	1248.74
+75				2.7	47.6
19				3.7	46.6
1+1 70 Small brook enters ditch on Lt.					
20				6.0	44.3
21				6.7	43.6
T.P.	1.48	1252	78	4.99	1245.30
+44	3'-0" x 3-4' Stone Box (one cover stone broken) Rt. end of box poor, Gen. Cond. fair. Plank floor.			8.1	44.6
22				7.1	45.7

11

+2.9 +3.3 +2.7 -1.4 -0.4 0.0 0.0 -0.3 -2.0 -0.6 +8.7
7.3 6.9 7.5 11.6 10.6 10.2 10.2 10.5 12.2 10.8 1.5
25 22 19-16 12 10 7 6 6 5 10 23-25

+3.8 +3.3 -0.8 -0.2 0.0 0.0 -0.2 -2.2 +0.6 +11.4
11.8 12.3 12.4 15.8 15.6 15.6 15.8 17.8 17.0 4.2
25 20 13 11 6 5 9 11 25-30

+3.9 +3.0 -0.7 0.0 0.0 -0.3 -2.2 +3.1 +7.7 -0.0 -3.8
3.8 4.7 5.4 7.7 7.7 8.0 9.9 4.6
25 19 14 11 5 8-9 15 25-30

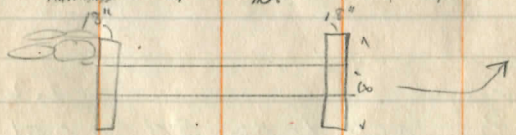
+0.3
24 -2.1
36 are
33 -2.0 -0.3 +0.5 +0.3 +0.4 -0.4 -0.2 0.0 -0.5 -1.2 -2.3 -0.9 +0.5 +1.9 +2.0
4.7 3.0 2.2 2.4 2.3 3.1 2.9 2.7 3.2 3.9 5.0 3.6 2.2 0.8 0.7
26 25 22 16 14 12 10 10 12 13-14 16-11 18-19 21 25

+0.4 -1.5 -1.3 -0.6 0.0 0.0 -0.2 -0.8 -1.4 -0.7 +1.1
3.3 5.6 5.0 4.3 3.7 3.7 3.9 4.5 5.1 4.4 2.6
25 22 14 12 2 7 12 14-17 18 23-25

-1.3 -1.7 -2.1 -1.7 -1.2 -0.1 0.0 +0.3 -0.2 -0.3 -0.8 -0.5 0.0
7.3 7.7 8.1 7.7 7.2 6.1 6.0 5.7 6.2 6.3 6.8 6.5 6.0
25 18 16-13 12 8 5 5 8 14 17-20 21 25

-1.2 -0.9 -1.2 -2.1 -0.6 -0.1 0.0 +0.1 -0.4 -1.4 -1.0 -1.2
7.2 7.6 7.2 8.8 7.3 6.8 6.7 6.6 7.1 8.1 7.7 7.2
25 20 18 17-14 10 8 7 13 17-18 19 25

1239.8 -4.8 +0.7 -0.1 0.0 0.0 +0.7 -4.5 1239.7
13.0 7.5 8.3 8.2 8.2 7.5 13.1
Plank floor Bars +1 10.8 Plank floor



< 12'-6" x 12'-3" >

D.W. to ditch Rt. ext. culverts
-0.1 -0.2 0.0 -0.3 -2.6 -3.0 -2.5 -2.7
7.2 7.3 7.1 7.4 9.7 10.1 9.6 9.8
25 9 9 14 18 21 25

1252.78

22+25 2½ x 3' stone box.
No floor
fair cond.

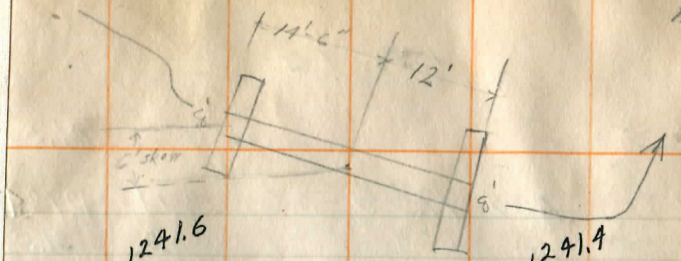
6.5 46.3

22+40 5.9 46.9
B.M. 3.26 1249.52
23 4.0 45.8
T.P. 12.44 1265 04 0.18 1252.60
24 8.4 56.6
T.P. 11.97 1276 45 0.56 1264.48
25 9.5 67.0

+50 4.7 71.8

26 2.2 74.3
T.P. 10.60 1286 54 0.51 1275.94
27 7.0 79.5
T.P. 9.62 1296 12 0.04 1286.50
+75 3.6 86.5

28 8.8 87.3 ✓



1241.6 1241.4

-4.7 +0.4 +0.1 0.0 -0.7 +0.2 -4.7
11.2 6.1 6.4 6.5 7.2 6.3 11.4
FL. Pav 13 12.5 Pav FL. Good fall

-3.1 -4.5 -4.0 -1.8 -0.2 0.0 -0.1 -1.7 -2.5 -2.0 -2.5
9.0 10.4 9.7 7.7 6.1 5.9 6.0 7.6 8.4 7.9 8.4
25 21-17 15 13 9 10.0 14 17 18 25

+2.7 +2.1 -1.2 -0.5 0.0 +0.1 -0.7 -0.3 -0.5 +1.0 +1.3
1.3 1.7 5.2 4.5 4.0 3.9 4.7 4.3 4.5 3.0 2.7
25 -19 17 11 7 7 14 15 18 21 25

+7.1 +7.6 +6.4 -1.1 -0.4 +0.1 0.0 -0.7 -1.5 +6.4 +5.6
1.3 0.8 2.0 9.5 8.8 8.3 8.4 9.1 9.7 2.0 1.8
25 20 15 10 7 6 13 14 23- 25

+7.2 +5.6 +4.3 -0.6 +0.1 +0.5 9.5 0.0 -0.5 -1.4 -0.7 -0.8 +2.5
2.3 3.9 5.2 10.1 9.4 9.0 6 10.0 10.2 10.2 10.3 7.0
25 17 13 11 9 6 13 14 15 19 22-25

+0.6 -0.3 -1.3 -0.5 +0.2 0.0 -0.7 -1.4 -0.2 -0.8
4.1 5.0 6.0 5.2 4.5 4.7 5.4 6.1 4.9 5.5
25 14 13 11 7 11 13 15 25

+0.4 -0.5 -1.1 -0.3 0.0 -0.3 -1.8 -0.6 -1.1
1.8 2.7 3.3 2.5 2.2 2.5 4.0 2.8 3.3
25 12 10 5 8 11 13-15 25

+6.0 +3.0 -1.9 -0.3 0.0 -0.2 -1.4 -3.8 +5.7 +6.8
1.0 4.0 8.9 7.3 7.0 7.2 8.4 3.2 1.3 0.2
25-19 15 10-9 7 7 10 15 19 25

+2.7 +2.4 -1.7 -0.5 0.0 -0.1 -1.0 +1.3 +2.7 +3.2
6.9 7.2 11.3 10.1 9.6 9.7 10.6 8.3 6.9 6.4
25 14 9-8 5 9 11-12 17 21 25

+2.6 +2.8 +2.2 -0.2 -1.8 -0.7 -0.1 0.0 0.0 -1.0 -0.5 +2.6 +3.5
6.7 7.0 7.6 9.0 10.6 9.5 8.9 8.8 8.8 9.8 9.3 6.2 5.3
25 14 12 8 8-7 5 3 10 12-13 14 21 25

		1296 12			
29				7.6	91.5
T.P.	7.35	1299	8 7 6	3.71	1292.94
29				8.3	91.5
30				4.9	94.9
31				2.8	97.0
T.P.	8.93	1306	94	1.75	1298.01
32				6.6	00.3
+50				4.4	02.5
33				5.6	01.3
34				6.9	00.0
+36	15" Cor. pipe Pipe in good Cond.			6.1	00.8
B.M.	9.00	1310.08		5.86	1301.07 1301.08

Rt.

00 +0.2 -0.2 -1.2 -0.4 +2.8 +3.2
4.2 4.6 4.4 4.8 5.8 5.0 1.8 1.4
6 3 5 11 13-14 15 21 25

Lt. → 0.0 -0.3 -1.7 +4.1 +5.0
8.4 10.0 4.2 3.3
3 6 12 25

+1.0 +0.6 +0.9 +0.5 -0.8 -1.3 -0.3 0.0 +0.3 -0.2 -0.4 +0.4 0.0
3.9 4.3 4.0 4.4 5.7 6.2 5.2 4.9 4.6 5.1 5.3 4.3 4.9
25 16 13 8 6 5 3 5 12 14-15 16 25

+2.0 +1.4 +0.6 -0.7 -0.3 0.0 +0.4 0.0 -0.4 +0.2 +1.3
0.2 1.4 2.2 3.5 3.1 2.8 2.4 2.8 3.2 2.6 1.5
25 11 6 6-4 3 5 12 15 22 25

+4.0 2.6 -0.6 -0.2 0.0 0.0 -0.6 +0.2 +3.0 +2.8
2.6 4.0 7.2 6.8 6.6 6.6 7.2 6.4 3.6 3.8
25 10 6 4 6 13 14 21 25

+2.4 +1.6 -0.9 -0.4 0.0 +0.2 -0.2 -0.6 +0.1 +0.8
2.0 2.8 5.3 4.8 4.4 4.2 4.6 5.0 4.3 3.6
25 9 6-5 4 5 11 13-14 16 21-25

+3.1 +2.7 +3.0 +1.8 -0.9 -0.5 0.0 +0.2 -0.3 -0.8 -0.2 +0.6
2.5 2.9 2.6 3.2 6.5 6.1 5.6 5.4 5.9 6.4 5.3 5.0
25 18 13 10 6-5 4 5 12 14-15 16 25

-0.6 -0.5 0.0 +0.1 -0.3 -1.0 -0.9
7.5 7.4 6.9 6.8 7.2 7.9 7.8
25-12 9 5 15 16-18 25

-1.7 -2.1 -1.9 -2.3 +0.6 +0.1 0.0 0.0 +0.3 -2.6 -2.3 -4.9
7.8 8.2 8.0 8.4 5.5 6.0 6.1 6.1 5.8 8.7 8.4 11.0
75 50 22 9 8 5 9 Stone 11 12 25 85
+2.1

Steel cap

8'-6" × 11'-6"

Nail in S. root 24" Maple 25' Rt. 34+95.

1310 08

35				8.8	01.3
36				4.8	05.3
37				1.7	08.4
T.P.	6.75	1315	51	1.32	1308.76
38				5.6	09.9
39				3.7	11.8
40				4.4	11.1
41				5.0	10.5
42				6.5	09.0
43	A.M.			8.1	07.4
T.P.	0.31	1309	07	6.75	1308.76
44				3.1	06.0
45				4.1	05.0
46				5.2	03.9

9-29-72
Hot

Honma
Grau
Spohn

14

+0.5 -0.8 -0.2 0.0 -0.2 -0.8 -0.7 +0.4 +0.4
8.3 9.6 9.0 8.8 9.0 9.6 9.5 8.4 8.4
25-21 14 5 5 15 19 21 25

+2.6 +0.4 -2.0 -0.7 0.0 -0.2 -0.7 -1.9 +0.2 +1.6
2.2 4.4 6.8 5.5 4.8 5.0 5.5 6.7 4.6 3.2
25 14 11-10 8 7 9 11 13 25

+1.3 +0.9 -0.1 -1.5 -0.6 0.0 -0.6 -1.6 -0.3 +0.9
0.4 0.2 1.8 3.2 2.3 1.7 2.3 3.3 2.0 0.8
25 19 13 12-11 8 6 9-10 11 25

+1.1 -0.1 -1.0 -0.4 0.0 -0.4 -0.9 -0.1 +1.1
4.5 5.7 6.6 6.0 5.6 6.0 6.5 5.7 4.6
25 14 12 8 6 9 10 25

+0.1 -0.3 -1.2 -0.7 -0.1 0.0 -0.4 -1.0 -0.2 +0.4
3.6 4.0 4.9 4.4 3.8 3.7 4.1 4.7 3.9 3.3
25-20 18-14 13 10 6 6 9 10 25

-0.1 -0.5 -0.9 -0.3 0.0 0.0 -0.3 -0.8 -0.4 +0.3
4.5 4.9 5.3 4.7 4.4 4.4 4.7 5.2 4.8 4.1
25-21 14 12 7 2 6 9 11 25

0.0 -0.1 -0.7 -1.3 -0.6 0.0 -0.6 -1.4 -0.6 -0.1
5.0 5.1 5.7 6.3 5.6 5.0 5.6 6.4 5.6 5.1
25 19 14 13-12 8 6 9-10 11 25

+0.5 -0.1 -1.1 -0.7 -0.3 0.0 -0.5 -1.1 -0.3 +0.1 -0.2
6.3 6.6 7.6 7.2 6.8 6.5 7.0 7.6 6.8 6.6 6.7
25 15 14-13 12 8 6 9-10 11 19 25

+1.0 +0.8 0.0 -1.0 -0.4 0.0 -0.5 -0.9 +0.4 +0.8 +1.1
7.1 7.3 8.1 9.1 8.5 8.1 8.6 9.0 7.7 7.3 7.0
25 22 15 14-13 10 6 8-9 11 13 25

Nail in tpaid
+1.4 +0.8 -0.3 -1.0 -0.4 +0.1 0.0 -0.5 -0.9 -0.4 +0.1
1.7 2.2 3.4 4.1 3.5 3.0 3.1 3.6 4.0 3.5 3.9
25 20 15 14-13 11 2 6 7-8 9 15-25

+0.7 -0.7 -1.1 -0.7 -0.2 0.0 -1.1 -0.6 -0.5
3.4 4.8 5.2 4.8 4.3 4.1 5.2 4.7 4.6
25 15 14 11 7 9 10 25

0.0 -0.7 -0.5 -0.6
+0.6 -0.5 -0.9 -0.4 5.2 5.9 5.7 5.6
4.6 5.7 6.1 5.6 9 9 25
25 15 14

		1309 07		
47			5.9	03.2
48			6.6	02.5
49			7.0	02.1
B.M.	2.65	1306.85	4.87	1304.20
50			4.7	02.2
51			4.5	02.4
52			4.3	02.6
53			4.5	02.4
54			4.4	02.5
55			4.0	02.9
56			2.8	01.1
T.P.	4.90	1309 29	2.46	1304.39

1304.21

Spike in W. side 12" Maple 'Lt. Sta.

-0.4 -0.5 -0.7 -0.4 0.0 0.0 -0.3 -0.7 -0.5 -1.1
6.3 6.4 6.6 6.3 5.9 5.9 6.2 6.6 6.9 7.0
25 14 12 9 3 6 9 10 25

-0.7 -0.3 -0.5 -0.1 0.0 -0.7 -0.4 -0.7
7.0 6.9 7.1 6.7 6.6 7.3 7.0 7.3
25 14 13 6 9 10 25

+0.6 -0.4 -0.7 -0.3 +0.1 0.0 -0.5 0.0 +0.5
6.4 7.4 7.8 7.3 6.9 7.0 7.5 7.0 6.5
25 15 13 11 4 10 11 25

-0.2 -0.3 -0.9 -0.2 0.0 -0.4 -0.7 -0.3 -0.2
4.7 5.0 5.6 4.7 4.9 5.1 5.4 5.0 4.3
25 14 12 8 3 10-11 12 25

-0.6 -0.4 -0.9 -0.5 0.0 0.0 -0.4 -1.0 -0.5 -0.3
5.1 4.7 5.4 5.0 4.5 4.3 4.2 5.5 5.0 4.8
25 14 15 9 2 9 11-12 13 25

0.0 -0.7 -1.1 -0.6 0.0 -0.6 -0.5 -0.8 -0.2
4.3 5.0 5.4 4.9 4.3 4.7 5.5 5.1 4.5
25 11-13 12 8 10 12-13 14 25

-0.2 -0.4 -1.1 -0.7 0.0 +0.1 -0.5 -1.0 -0.6 -0.8
4.7 4.9 5.6 5.2 4.5 4.4 5.0 5.5 5.1 5.3
25 13 11 9 2 12 15 15 25

-0.4 -0.9 0.0 +0.1 -0.3 -1.0 -0.6 -0.5
4.9 5.3 4.4 4.3 4.7 5.4 5.0 4.9
25 12 10 4 13 15 16 25

+0.3 -0.2 -1.0 0.0 +0.1 -0.2 -0.6 -0.1 +0.2
3.7 4.2 5.0 4.0 3.3 4.2 4.6 4.1 3.9
25 11 10 4 13 16 17 25

+0.7 -1.0 -1.9 0.0 -0.2 -0.8 +0.1 +0.9
2.1 2.8 3.8 2.8 3.0 3.6 2.7 1.9
25 17 12 10 13 16 18 25

1309 29 (3)

57			4.0	05.3
+90	24'-12 Cor Pipe (end/end) (Rigid 12" sq. with ℄)		3.7	05.6
58			3.6	05.7
59			3.8	05.5
				1304.37
B.M.			4.92	1304.37
T.P.	.685	1313.00	3.14	1306.15
60			6.4	06.6
61			4.1	1308.9
+50			5.4	07.6
62			7.0	06.0
63			8.3	04.7
64			9.8	03.2
65			13.0	1300.0
T.P.	.082	1301.12	12.70	1300.30

✓

-0.6 +0.2 0.0 -0.7 0.0 +0.2 -0.2 -0.4 +0.2 +1.1
1.6 3.8 4.0 4.7 4.0 3.8 4.2 4.4 3.8 2.9
25 16 10 9 5 14 16 17 25

1303.3 1304.0
-3.6 -2.1 -2.3 +0.3 -0.2 0.0 +0.2 +0.7 -1.6 -1.5 -0.3 0.0
7.3 5.8 6.0 3.4 3.7 3.7 3.5 3.0 5.3 5.2 4.0 3.7
50 25 Fd. 1 stone 3 12 stone Fd. 1 19 20 23
16

(stone caps, rough)

0.0 8'-6" 3' 15'-6" 0.0

-1.8 -1.4 -1.7 -0.9 0.0 +0.2 -0.2 -1.3 -0.6 -0.7
5.4 5.0 5.3 4.5 3.6 3.4 3.8 4.9 4.2 4.3
25 11 15-9 7 5 14 17-18 20 25

-0.8 -0.5 -0.9 -0.4 0.0 0.0 -0.4 -0.8 -0.5 +0.2
4.6 4.3 4.7 4.2 3.8 3.8 4.2 4.6 4.3 3.6
25 11 13 7 4 13 16 19 25

Nail in N.W. root 15" Hickory 27 Lt. 58+80

-0.2 -0.7 -0.5 0.0 -0.7 -1.1 -0.2 +0.9
6.6 7.1 6.9 6.4 7.1 7.5 6.6 5.6
25 9 8 12 13-14 15 25

+1.2 +0.3 -0.6 -0.4 +0.1 0.0 -0.6 +0.2 +1.1
2.9 3.8 4.7 4.5 4.0 4.1 4.7 3.9 3.9
25 14 13 10 1 11 13 18-25

+1.6 +1.0 +0.1 -0.9 -0.5 +0.1 0.0 -0.4 -0.5 +2.7 +2.9
3.8 4.4 5.3 6.3 5.9 5.3 5.4 5.8 5.9 2.7 2.5
25 17 14 13 9 2 9 11 13 25

+1.6 0.0 -0.7 +0.2 0.0 -0.4 -0.8 +1.8 +2.0
5.4 7.0 7.7 6.8 7.0 7.4 7.8 5.2 5.0
25 14 13 3 9 11 12 25

-0.4 -0.1 -0.8 -0.1 0.0 -0.2 -0.8 -0.2 -1.2 -1.6
8.7 8.4 9.1 8.4 8.3 8.5 9.1 8.5 9.5 9.9
25 13 12 3 7 11 12 22 25

+1.5 +0.6 -0.6 -1.3 -0.6 0.0 -0.7 -1.3 -0.8 -0.1 +0.3
8.3 9.2 10.4 11.1 10.4 9.8 10.5 11.1 10.6 9.7 9.5
25 16 15-13 12-11 8 9 11-12 13 18 25

0.0 -0.7 -1.6 -0.9 0.0 -0.4 -1.4 +1.7 +2.2
13.0 13.7 14.6 13.9 13.0 13.4 14.4 11.3 10.8
25 13 12 9 9 11-12 17 25

1301 12

66			3.8	97.3
67			5.1	96.0
68			6.0	95.1
69			6.9	94.2
70			7.4	93.7
71			9.8	91.3
T.7	£00	12 93.12	10.00	12 91.12
72			3.3	89.8
+53	old filled stone (box)(?) do nothing - H.G.? not reqd.		3.5	89.6
73			4.4	88.7
+82	12" C.I.P. -18'. G.V.P. (Remove, Repl 15")		5.0	88.1
74			5.2	87.9
+40	old filled up pipe H.G. No work amit.		4.9	88.2 ✓

-0.2 +0.1 -0.9 -0.2 0.0 -0.2 -0.5 -1.0 -0.4 +0.9 +2.1 +2.3
4.0 3.7 4.7 4.0 3.8 4.0 4.3 4.8 4.2 2.9 1.7 1.5
25-18 13 12-10 5 5 8 9-10 11-13 16 18 25

0.0 -0.3 -0.9 -0.1 0.0 -0.5 -1.2 -0.3 +0.6 +0.7
5.1 5.4 6.0 5.2 6.1 5.6 6.3 5.4 4.5 4.4
25 13 12 4 7 10-12 13 17 25

-0.8 -0.6 -1.1 -0.7 -0.2 0.0 -0.3 -1.6 -0.5 -0.6
6.8 6.6 7.1 6.7 6.2 6.0 6.3 7.6 6.5 6.6
25 13 12 9 5 6 11-12 13 25

-0.1 -0.6 -1.0 -0.7 0.0 -0.2 -0.8 -1.3 -1.4 -0.9
7.0 7.5 7.9 7.6 6.9 7.1 7.7 8.2 7.3 7.8
25 21-13 12-10 9 4 9 12 13 25

+1.7 +1.4 +0.1 -0.8 -1.7 -0.8 0.0 -0.2 -0.9 -1.6 -0.6 1.0
5.7 6.0 7.3 8.2 9.1 8.2 7.4 7.6 8.3 9.0 8.6 8.4
25 22 12 13 12-11 8 6 10 12 14 25

+3.3 +2.8 +0.7 -1.0 -0.3 0.0 -0.4 -1.4 +0.8 +0.9
6.5 7.0 9.1 10.5 10.1 9.8 10.2 11.2 9.0 8.9
25 16 11 10-9 7 8 11-12 15 25

-0.3 -0.5 0.0 -0.3 -0.8 -0.3 -0.4
3.6 3.8 3.3 3.6 4.1 3.6 3.7
25-12 11 8 12-13 14 25

-1.2 -0.8 -0.9 0.0 -0.2 -0.9 -0.4 -0.4
5.6 5.2 5.3 4.4 4.6 5.3 5.0 4.8
25 23-13 11 10 14 15 25

12.85.7 12.86.8

-4.5 -2.9 -2.4 -1.7 -1.7 -0.5 0.0 +0.3 -1.3 -0.9 -0.2 +0.8
9.5 7.9 7.4 6.7 6.7 5.5 5.0 4.7 6.3 5.9 5.2 4.2
175 125 75 25 FL 9.5 9 5 15 16.1 17 18 25

(2nd outlet req'd) 9.5 - 15

-1.0 -0.5 -0.7 -0.3 0.0 +0.2 0.0 -0.2 0.0 -0.8 -0.2 +0.2
6.2 5.7 5.9 5.5 5.2 5.0 5.2 5.4 5.2 6.0 5.4 5.0
25 11 10 9 4 12 14 15 16 17 25

12903 12

75			5.1	88.0	
76			4.9	88.2	
77			7.5	85.6	
				1284.37	
B.M.			8.75	1284.37	Nail in N.W. root 40" Elm Lt. W. side Ctr Rd.
T.P.	5.28	1290	8.14	1284.98	
75+75			1.7	88.6	
77+	℄		5.6	84.7	℄ Ctr. Rd.
			6.7	83.6	100' Rt.
			8.2	82.1	200' Rt.
			6.3	84.0	100' Lt.
			7.2	83.1	200' Lt.
78			6.7	83.6	
79 Noon			9.4	80.9	
T.P.	1.72	1280	11.22	1279.04	
80			2.1	78.7	
℄			3.2	77.6	℄ Rd to Lt.
			4.2	76.6	50' " "
			4.4	76.4	100' " "
			4.6	76.2	150' " "

-0.5 -0.3 -0.8 -0.6 0.0 -0.1 -0.6 0.0 +1.0

5.6/25 5.4/12 5.7/11 5.7/8 5.1/7 5.2/7 5.7/11 5.1/12 4.1/25

+0.6 +1.0 +0.5 -0.9 -0.6 0.0 -0.3 +0.6 +1.4 +2.2

4.3/25 3.7/20 4.4/14 5.1/12 5.5/9 4.9/7 5.2/7 4.3/15 3.5/16 2.7/25

+1.5 +0.8 -0.3 -0.1 0.0 -0.2 +1.2 +2.3

6.0/25-22 6.7/13 7.1/12 7.2/6 7.5/8 7.1/11 6.3/16 5.2-25

+1.2 +1.0 -0.8 -0.5 0.0 0.0 +0.2 +1.7 +2.7

0.5/25 0.7/13 2.5/11 2.7/8 1.7/8 1.7/10 1.5/12 -0.2/2.5 -1.0

+2.1 +1.9 +0.2 -0.5 0.0 0.0 +0.7 +0.4

4.6/25 4.8/21 4.5/14 7.2/13 6.7/5 6.7/18 6.0/25 6.3 in Rd.

+1.2 +1.0 -0.1 -0.8 0.0 0.0 -0.5 -0.8 +0.2 +2.4 +2.5

3.2/25 3.4/21 3.5/17 4.1/16 3.4/5 3.1/5 3.7/7 4.1/8 3.2/20 1.0/25

+2.0 +1.0 -0.5 -0.9 -0.5 +0.5 0.0 -0.6 -1.2 +0.2 +1.1

0.1/25 1.1/21 2.6/19-17 3.0/16 2.6/15 1.6/5 2.1/5 2.7/5 3.3/2-7 1.9/2 1.0/25

Reference Car 0 Lt.

1280.76

81				5.4	75.4
82				8.0	72.8
83				9.5	71.3
T.P.	3.86	1275.30		9.31	1271.45
84				4.7	70.6
+09	22 Ft. 16" Cor pipe new, good			4.2	71.1
85					
				4.3	71.0
86				2.2	73.1
T.P.	8.64	1282.21		1.73	1273.57
87				6.5	75.7
88				4.4	77.8
+25				4.0	78.2
89				7.1	75.1

+1.3 −0.4 +0.3 0.0 −0.4 +0.7 +1.3 +1.6
4.1 5.8 5.1 5.4 5.8 4.7 4.1 3.8
25 15-16 4 5-8 9 17 25

+1.5 +0.8 −0.8 −0.2 +0.6 0.0 −0.8 +0.6 +1.3
6.5 7.2 8.8 8.2 7.4 8.0 8.8 7.4 6.7
25 17 15-14 12 2 8 9 17-25

+0.6 0.0 −0.7 −0.4 +0.1 0.0 −0.8 −0.1 +0.2
9.9 9.5 10.2 9.7 9.4 9.5 10.3 9.6 9.3
25 15 14-12 7 3 2 8-10 11 25

−1.3 −2.0 −0.4 0.0 +0.2 −0.1 −1.8 −1.4 −1.7 −1.5
6.0 6.7 5.1 4.7 4.5 4.8 6.5 6.1 6.4 6.2
25-12 11-5 6 2 10 12 13 18 25

1267.0 1267.9
−4.6 −4.0 −3.8 −4.1 −0.9 0.0 0.0 −3.2 −3.2 −2.4
8.8 8.2 3.8 8.3 5.1 4.2 4.2 7.4 7.4 6.6
25 10 18 FL, 10.0 11 FL, 12 18

3½ = flow in ft
10'-10" × 11'-2"

−0.6 −0.3 −0.9 −0.5 0.0 −0.1 −0.4 +1.4 +2.0
4.9 1.6 5.2 4.8 4.3 4.4 4.7 2.9 2.3
25 13 12-11 10 8 12 15 25

0.0 +0.4 +0.2 −1.5 −1.0 0.0 −0.3 −0.6 +0.4 +1.9
2.2 1.8 2.0 3.7 3.2 2.2 2.5 2.8 1.8 0.3
2-5 10 15 13 11 8 9-11 13 25

+0.7 +0.6 −0.4 −1.3 −0.7 0.0 −0.2 −1.0 +0.4 +2.0
5.8 5.9 6.9 7.8 7.2 6.5 6.7 7.3 6.1 4.5
25 15 13 12-11 9 8 11-12 13 25

+0.3 +0.6 +0.2 −1.1 −0.6 0.0 +0.2 −0.4 −0.8 +0.2 +1.0
4.1 3.8 4.2 5.5 5.0 4.4 4.2 4.8 5.2 4.2 3.4
25 21 12 11-10 8 2 11 12-13 14 25

+0.5 +0.3 −1.2 −0.8 0.0 0.0 −0.6 −1.1 −0.3 +0.7
3.5 3.7 5.2 4.8 4.0 4.0 4.6 5.1 4.3 3.3
25 13 11-10 9 2 18 11-12 13 25

−0.6
+1.4 −0.4 0.0 +0.2 −1.2 −0.3 +0.7
5.7 7.5 7.1 6.9 7.7 8.3 7.4 6.4
25-12 10 3 11 13-14 15 25

1282.21

90			9.2	73.0	
91			10.2	72.0	
T.P.	4.14	1275.67	10.68	1271.53	
91+82	24' 18" & 12" Iron pipe (Regd How 12")		4.3	71.4	
92			4.5	71.2	
93			4.8	70.9	
94			5.0	70.7	
95			5.9	69.8	
96			7.7	68.1	1270.13
B.M.			5.55	1270.12	
T.P.	3.94	1269.65	9.96	1265.71	
97			4.4	65.3	
98			7.2	62.5	

+0.4 +0.1 -1.3 -0.7 0.0 -0.6 -0.2 +0.2
8.8/25 9.1/12 10.5/10 9.9/8 9.2 9.8/10-13 9.4/14 9.0/25

-1.2 -0.7 -1.3 -1.0 0.0 0.0 -0.5 -0.3 +0.1
11.4/25 10.7/12 11.5/11 11.2/9 10.2 10.2/2 10.7/12 10.5/14 10.1/25

1269.2 1269.7
-2.0 -2.2 -0.5 0.0 0.0 -1.7 -1.7 -0.9
6.35/147 6.5/FL. 4.8/10 4.3 4.3/19 6.0/FL. 6.0/16 5.2/17 Level

Fl. 4" tile → ← 4" tile → ← 4's level

15" M.P. catch basin

1.4'

-1.2 -0.8 -1.2 -0.9 0.0 -0.2 -0.4 -1.0 -0.7 -0.0
5.7/25 5.3/13 5.7/12 5.4/11 4.5 4.7/9 4.9/12 5.5/13 5.2/14 4.3/25

-0.2 -1.1 -0.9 -0.4 0.0 -0.5 -0.8 -0.3 +0.4
5.0/15 5.2/11 5.7/10 5.2/6 4.8 5.3/10 5.6/12 5.1/13 4.4/25

Rock pile

-1.0 -0.4 -0.8 -1.2 -0.8 0.0 -0.4 -0.8 -0.2 +0.2
6.0/25-20 5.4/17 5.8/13 6.2/12 5.8/9 5.0 5.4/9 5.3/11 5.2/12 4.8/25

-0.6 -0.3 -1.1 -0.6 -0.1 0.0 -0.4 +0.3 +1.5
6.5/25 6.2/17 7.0/13 6.5/11 6.0/5 5.2 6.3/9 5.6/11 Rock 4.4/25

-0.1 0.0 -0.2 0.0 -0.3 +0.2 +0.8 +1.5
7.8/25 7.7/18 7.9/9 7.7 all rock 8.0/2 7.5/10 6.9/16 6.2/25

Nail in s. root 4' Chestnut Rt.

+0.6 +0.4 -0.4 +0.1 0.0 0.0 -0.4 +0.2 +1.5
3.8/25 4.0/20 4.8/3 Rock 4.3/4 4.4/6 4.8/8-9 Rock 4.2/10-14 2.9/25

-0.2 -0.3 -0.8 -0.3 0.0 +0.1 -0.3 +1.1 +1.5 +1.6
7.4/25 7.5/13 7.0/12-10 Rock 7.5/4 7.2 7.1/5 Rock 7.5/8 6.1/11 5.7/16 5.6/25

		1269 7 65			
99				10.2	59.5
T.P.	2.20	1260 3 26		11.59	1258.06
100				3.0	57.3
+50				4.3	56.0
	100+24 To +53	9" tile in ditch			
101				7.1	53.2
+30				9.8	50.5
T.P.	1.46	1249.99		11.73	1248.53
102				9.8	40.2
T.P.	1.12	1238 6.6		12.45	1237.54
103				9.8	28.9
T.P.	1.20	1227 12		12.74	1225.92
104				5.1	22.0
B.M.				2.82	1224.31 / 1224.30
105				10.1	17.0
T.P.	3.67	1217 9 86		12.93	1214.19
106				4.3	13.6
T.P.	2.08	1214 89		5.05	12/2.81
107				4.1	10.8
108				6.2	08.7
108+90		Proposed New location for 12" hillside Pipe		7.4	07.5

9-30-22
Hot
Fair

Hanna
Grau
Spahn

21

-0.6 +0.2 -0.1 -0.7 -0.3 +0.1 0.0 -0.7 -1.0 -1.4 -0.6 +0.3 +2.0
10.8 10.0 10.3 10.7 10.5 10.1 10.2 10.9 11.2 11.4 10.8 9.9 8.2
25 13 12 11-10 9 3 7 10 11 12 21 25
rock rock

+1.2 +0.8 -0.3 -0.4 +0.2 0.0 -0.7 -0.1 -0.4 -0.5 +1.4 +1.7
1.8 2.2 3.9 3.4 2.8 3.0 3.7 4.1 3.4 3.5 1.6 1.3
25 15 13-12 10 2 9 11 12 19 23 25

+1.2 +0.5 0.0 -0.3 0.0 -0.7 -1.3 -0.3 +1.2 +1.6
3.1 3.8 4.3 4.6 4.3 5.0 5.6 4.6 3.1 2.7
25 16 14 10 9 11 12-17 21 25

+2.1 +2.0 -0.6 -0.2 0.0 +0.1 0.0 -0.3 -1.5 -0.5 +1.0 +2.0
5.0 5.1 7.7 7.3 7.1 7.0 7.1 7.4 8.6 7.6 6.1 5.1
25 22 17 16 13 3 5 10-11 12 18 25
Rock? Rock Rock

+2.3 +2.1 -0.7 0.0 0.0 -1.0 -2.0 +1.6 +2.6
7.5 7.7 10.5 9.8 9.8 10.8 11.8 8.2 7.2
25 20 15 12-rock 9 8 Rock 10-11 17 25

+1.6 +1.3 -1.4 -0.8 -0.6 0.0 -1.3 -2.7 -0.9 -0.4 +1.1
8.3 8.9 11.2 10.7 10.4 9.8 11.1 13.5 10.7 10.3 8.7
25 19 15-14 13 4 7 8-10 11 17 25
rock rock

+1.2 +0.9 -2.6 -1.4 -0.7 0.0 -0.4 -1.3 -1.9 -1.1 +0.1 +0.8 +1.3
8.6 8.9 12.4 11.2 10.5 9.8 10.2 11.1 11.7 10.9 9.7 9.0 8.5
25 14 12 10 7 3-6 10 11 12 15 18 25

+1.4 +1.6 +0.6 -1.8 -1.1 -0.4 0.0 0.0 -0.4 -2.3 +0.4 +1.8
3.7 4.1 4.6 6.9 6.2 5.5 5.1 5.1 5.5 7.4 4.7 3.3
25 18 12 9 8 4 5 10 13-14 16 19-25

Nail in S.W. root 15" Apple 35' Rt. Sta 104

+0.9 +0.8 +0.1 -1.4 -0.9 -0.3 0.0 +0.1 -0.5 -1.8 -0.9 +0.5 +1.6
9.2 9.3 10.0 11.7 11.0 10.4 10.1 10.0 10.6 11.9 11.0 9.6 8.5
25 19 11 10-9 8 4 4 10 12-13 14 18 25

-0.1 -0.5 -1.6 -0.5 0.0 -0.3 -1.7 -0.8 0.0
4.4 4.8 5.9 4.8 4.3 4.6 6.0 5.1 4.3
25 11 10-9 6 4 5 13-15 16 25

Lake is up

-0.3 -0.6 -0.8 0.0 +0.1 -0.5 -0.9 -0.4
4.4 4.7 4.9 4.1 4.0 4.5 5.0 4.5
25 11 9-7 5 12 13-14 15-25

-0.5 -0.9 -0.5 0.0 0.0 -0.5 -1.1
6.7 7.1 6.7 6.2 6.2 6.7 7.3
25 12 11-9 14 20 25

-1.0 -0.3 -0.8 -0.2 0.0 +0.1 -0.3 -0.9 -4.4 -5.5
8.4 7.7 8.2 7.6 7.4 7.3 7.7 8.3 11.8 12.9
20 12 10 6 6 7 14 25 15 100

		1214	89		
109				7.5	07.4
110				8.6	06.3
111				9.7	05.2
T.P.	5.21	1209	57	10.53	1204.36
112				5.5	04.1
113				7.3	02.3
114				9.4	00.2
					1201.18
B.M.				8.39	1201.18
115				11.5	98.1
T.P.	1.84	1199	58	11.23	1197.74
116				3.1	96.5
+60				3.5	96.1
117				6.0	93.6
+50				9.3	91.3 ✓

-1.2 -1.0 -0.4 -0.9 -0.4 0.0 +0.2 -0.3 -0.1 -0.8
8.7 8.5 7.7 8.4 7.9 7.5 7.3 7.8 7.6 8.3
25 12 9 4 5 5 14 17 25

-1.0 -0.9 -1.3 -0.3 0.0 +0.2 -0.7 -0.4 -1.4
9.6 9.5 9.7 9.9 8.6 8.4 9.3 9.0 10.0
25 10 9-8 5 5 13-15 16 25

+0.3 -0.3 -1.3 -0.6 0.0 +0.4 -0.5 -1.0 -0.3 +0.2
9.7 10.0 11.0 10.3 9.7 9.3 10.2 10.7 10.0 9.5
25 11 10-8 6 4 13 14-15 16 25

+1.4 +0.8 -0.1 -1.6 -1.1 -0.3 0.0 +0.1 -0.8 -1.4 +0.1 +0.2
4.1 4.7 5.6 7.1 6.6 5.9 5.5 5.4 6.3 6.9 5.4 5.3
25 17 11 10-9 4 5 12 14-15 16 25

+2.5 +2.0 +0.9 -1.7 -0.4 0.0 +0.1 -0.7 -1.2 -0.3 +0.9 +1.0
4.8 5.3 6.4 9.0 7.7 7.3 7.2 8.0 8.5 7.6 6.4 6.3
25 15 12 9-8 5 4 12 13-14 15-16 19 25

+1.2 +0.2 -1.7 -0.4 0.0 +0.1 -0.2 -0.9 +0.3 -0.3
8.2 9.2 11.1 9.8 9.4 9.3 9.6 10.3 9.1 9.7
25 12 9-8 6 4 12 13 15 25

Spike in 3 root 4' Chestnut 17' Rt. Sta. 114+90

+2.8 +1.1 -1.1 -0.4 -0.1 0.0 -0.1 -0.9 -1.3 +2.1 +1.5
8.7 10.4 12.6 11.9 11.6 11.5 11.6 12.4 12.8 9.5 10.0
25 15 12-10 7 3 2 8 10-11 15 25

May need 20'-12" RCP in ditch on Rt. to save chestnut tree.

+0.8 -0.3 -0.8 0.0 0.0 -0.7 +0.1 +0.4 0.0
2.3 3.1 3.9 3.9 3.1 3.1 3.8 3.0 2.7 3.1
25 14 10 2 10-11 12 21 25

+0.9 +0.3 -0.9 -1.4 -0.7 0.0 -0.2 -0.9 -1.8 -0.6 -1.2 -1.8
2.6 3.2 4.4 4.9 4.2 3.5 3.7 4.4 5.3 4.1 4.7 5.3
25 17 12 11-10 7 4 9 11 12 12 23

+2.6 +2.0 +0.1 -0.3 -2.0 -1.0 -0.4 0.0 -0.8 -1.4 -2.5 -0.1 +1.0 +0.2 -0.2
3.4 4.0 5.9 6.3 8.0 7.0 6.4 6.0 6.8 7.4 8.5 6.1 5.0 5.8 6.2
25 18 15 12 11-8 7 5 7 9 10 12 14 20 25

+4.6 +4.4 0.0 -1.4 -0.6 0.0 -0.1 -1.0 -1.3 +0.7 +2.6 +2.2
3.7 3.9 6.3 9.7 8.9 7.3 8.1 9.3 9.6 7.6 5.7 6.1
25 18 12 11 7 2 4 10 11 14 25

		1199 [6]58			
118				9.6	90.0
+60				13.0	86.6
T.P.	3.37	1190	08	12.87	1186.71
119				6.3	83.8
+50				10.3	79.8
120				13.0	77.1
T.P.	2.53	1179	[8]77	12.84	1177.24
120+	39'-20" Cor pipe			4.6	75.2
	Road 24" Hillside				
	Use stone forming exit. end,				
	(60" wide & would be enough)				
121				7.8	72.0
~~T.P.~~					
122				12.1	67.7
T.P.	3.81	1171	92	11.6	1168.11
123				8.1	63.8

+3.7 +3.6 -0.6 -2.0 -1.1 -0.5 0.0 -0.8 -1.7 -0.3 +1.2 +0.8
5.9/25 6.0/20 10.2/15-14 11.6/13 10.7/12 10.1/9 9.6/8 10.4/8 11.3/9-10 9.9/11 8.4/14 8.8/25

+4.2 +1.2 -0.6 -2.3 -0.6 -0.2 0.0 -0.9 -1.9 +1.8 +0.7
8.8/25 11.8/19 13.6/18 15.3/15-13 13.6/12 13.2/8 13.0/7 13.9/7 14.9/9 11.2/12 12.3/25

+6.6 +6.3 +6.0 -2.0 -0.7 -0.1 +0.2 0.0 -0.8 -1.8 +3.9 +4.0
-0.3/30 0.0/26 0.3/25 8.3/17-15 7.0/14 6.4/9 6.1/2 6.3/6 7.1/7-8 8.1/14 2.4/25 2.3/25

+7.3 +7.1 +2.8 -1.7 -1.0 -0.4 0.0 -0.8 -1.7 +5.5 +5.5
3.0/25 3.2/23 7.3/17 12.0/14 11.3/13 10.7/12 10.3/11 11.1/8 12.0/9-11 4.8/18 4.8/25

+3.9 +3.7 -0.3 -1.2 -0.3 0.0 -1.3 -1.9 +0.1 +1.2 +3.2 +3.0
9.4/25 9.6/23 13.3/14 14.2/13-12 13.3/10 13.0/11 14.3/12-13 14.7/14 12.9/17 14.3/21 9.8/25 10.0/25

1173.9 1172.4
-1.3 +0.5 0.0 -1.1 -2.8 -2.6 -5.3
5.9/FL 4.1/20-6" 4.6 5.7/17-6" 7.4/FL 7.2 9.2/45 7.0

+10'
12'
18'-6"
20'-6"
stone
bank

+5.7 +3.1 -0.2 -0.8 0.6 +0.2 0.0 -0.4 -0.6 +0.2 +1.1 +1.9 +1.2
2.0/30 4.6/25 7.9/14-17 8.5/16 7.7/12 7.5/3 8.1 8.3 7.9 6.6/10-12 5.8/17 6.5/26

+5.0 +4.5 +0.8 -1.1 -0.6 +0.1 0.0 -0.9 -1.8 0.0 +1.9 +2.3 +2.1
7.1/25 7.6/21 11.3/16 13.2/14 12.7/12 12.0/3 12.1 13.0/6 13.9/8-9 12.1/10 10.2/14 9.8/19 10.0/25

+3.5 +3.3 -0.9 -1.5 -0.8 +0.2 0.0 -0.5 -1.2 -2.3 -0.5 +1.0 +1.6 +1.5
4.6/25 4.8/21 9.0/14 4.6/13-12 8.9/11 7.8/3 8.1 8.6/5 9.3/8 10.4/9 8.6/10 7.1/14 6.5/20 6.6/25

1171 92

124				13.5	58.4
T.P.	2.17	11 C 2	06	12.03	1159.89
+80				6.9	55.2
125				8.5	53.6
T.P.	0.12	1150,	45	11.73	1150.33
126				5.9	44.6
+60				12.1	38.4
T.P.	2.97	1140	7.1	12.71	1137.74
127				5.2	35.5
					1132.24
B.M.				7.76	1132.95
T.P.	4.06	1133.71		11.06	1129.65
128				4.3	29.4
+30				6.0	27.7
129				12.1	21.6
T.P.	1.44	1122	86	12.29	1121.42
+80				4.7	18.2
130				6.6	16.3

+4.1 +1.4 +0.4 -1.9 -0.5 +0.4 0.8 -1.2 -2.0 +2.0 +0.6

+4.4 +4.2 +0.4 +0.3 -0.3 -2.6 -1.4 -0.6 0.0 0.0 -0.5 -1.7 +0.9 +0.8

+5.3 +5.2 +5.3 -0.9 -1.5 -0.4 0.0 -0.4 -0.9 -1.4 +0.1 +0.9 +0.8 +1.5 +1.6

+7.7 +7.1 +5.9 -1.1 -0.2 0.0 0.0 -0.3 -0.2 -0.3 +2.3 +2.7

+6.9 +7.0 +4.1 +3.4 +2.1 -0.3 -1.7 -0.1 0.0 -0.4 -1.8 -0.7 +2.6

+5.5 +4.7 +0.4 -1.5 -0.2 0.0 +0.1 -0.3 -1.2 -2.0 -0.6 +1.5

bent spike in E. side 14" apple 35' Rt. Sta. 127+85.

+5.7 +3.5 -1.0 -1.7 -1.0 -0.5 0.0 +0.3 -0.1 -0.4 0.0 +1.1 +1.2

+6.0 +4.4 -1.1 -2.7 -1.1 -0.3 0.0 +0.4 -0.2 -1.4 -0.1 +0.6 +0.8

+6.0 +6.1 +5.3 -0.7 -0.2 0.0 +0.2 -0.1 -0.9 -1.7 +0.5 +2.5 +5.3

Driveway +0.4 +0.1 0.0 0.0 -0.8 -1.3 -0.6 +1.7 +2.9

+2.4 +1.1 0.0 -0.1 -1.0 -0.7 -0.1 +2.2 +2.9

		1122 9/86		
130+50			11.0	11.9
T.P.	5.98	1116 3/28	12.56	1110.30
131			8.2	08.1
+50			10.4	05.9
~~T.P.~~				
132			11.3	05.0
T.P.	3.28	1108 0/88	10.68	1105.60
+42	3'x2' Stone Box Good Cond.		4.3	04.6
133			6.2	02.7
134			8.3	00.6
				1100.99
B.M.			7.81	1101.01
135			9.8	99.1
P.I.			10.6	98.3 ✓

+6.4 +6.3 +1.9 +0.3 +0.8 0.0 -0.1 -0.5 -0.7 +0.9
4.1 4.7 9.1 10.7 10.2 11.0 11.1 11.5 11.7 10.1
25 24 17 15-14 13 7 8-10 11-12 25

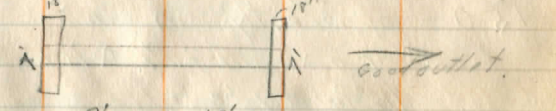
+5.5 +4.5 -0.6 -1.4 -0.3 -0.6 0.0 +0.1 -0.3 -1.0 +0.3
~~2.7~~ 3.2 8.8 9.6 8.5 8.8 8.2 8.1 8.5 9.2 7.9
4-5 20 13 12-11 10 7 3 8 11-16 19-25

+2.5 0.0 -0.7 -0.1 -0.7 -0.3 0.0 +0.2 -0.5 -1.1 -0.3
7.9 10.4 11.1 10.5 11.1 10.7 10.4 10.2 10.9 11.5 10.7
25-22 18 15 11 10-9 7 3 13 22 25

-0.9 -0.3 -0.5 0.0 0.0 0.0 -0.6 -1.5 -1.7
12.2 11.6 11.8 11.3 11.3 11.3 11.7 12.8 13.0
25 13 11-10 9 4 11 14 25

+1.9 +1.1 -1.1 -2.2 -3.4 +1.0 +0.4 0.0 0.0 +0.8 -3.8
2.4 3.2 5.4 6.5 ~~6.7~~ 3.3 5.1 4.3 ~~3.9~~ ~~3.7~~ 4.3 5.9 8.1
25 32 17 13 FL 9 6 10 13 pvt. FL

12-7.1



+1.9 +1.8 +1.4 -0.5 -0.1 0.0 0.0 -0.5 -1.6 -0.5 -0.8
4.3 4.4 4.8 6.7 6.3 6.2 6.2 6.7 7.8 6.7 7.3
25 18 11 9 7 6 6 12 15-16 18 25

+0.7 +0.4 +0.2 -1.1 -0.5 0.0 +0.1 -0.5 -1.0 +1.0 +1.1
7.6 7.9 8.1 9.4 8.3 8.3 8.2 8.8 9.3 7.3 7.2
25 15 12 10 8 3 3 12 15 25

+0.6 +0.5 -1.2 -0.6 0.0 0.0 -0.5 +0.7 +1.2
Nail with tin cap in W. root 21" Maple 30' Rt. Sta. 134+80
9.2 9.3 11.0 10.4 9.8 9.8 10.3 9.1 8.6
25 12 17-10 9 ~~9.8~~ 3 11-13 15 25

+1.2 -0.3 -1.4 -0.8 -0.1 0.0 -0.4 +0.6 +0.9 +0.7
9.4 10.9 12.0 11.4 10.7 10.6 11.0 10.0 9.7 9.9
25 18 15-14 13 4 10 16 21 25

10-3-'22
Fair - Hot
Dusty

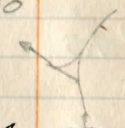
Hanna
Grou
Spohn

B.M.	1.51	1102	52		1100.99 1101.01
136				5.4	97.1
				5.6	96.9
				7.1	95.1
137				6.0	96.5
138				6.3	96.2
(use for yardage)					
+50	apparently an old drain				
	or box, all full & M.G.			6.2	96.3
	(12" Pipe may be Reg'd)				
139				7.1	95.4
T.P.	3.54	1099	12	6.94	1095.58
140				3.2	95.9
+25				3.8	95.3
141				6.1	93.0
142				8.4	90.7
143				9.7	89.4
T.P.	3.62	1092	16	10.58	1089.54

+1.3 +0.4 -0.7 -0.4 0.0 +0.7 -0.1 +1.0

4.1 5.0 6.1 5.8 5.4 4.7 5.5 4.4
25 12 11-7 8 25 35 40

100' Rt. on oblique Rd.
200' " " " "



+0.5 +0.2 -0.7 0.0 +0.2 -0.3 -0.4 -0.2

5.3 5.8 6.7 6.0 5.8 6.3 6.4 6.2
25 14 12-10 4 19 25 40

-1.4 -0.5 -0.9 -0.7 -0.3 0.0 -0.5 -1.2 -0.4 -0.5

7.7 6.8 7.2 7.0 6.6 6.3 6.8 7.5 6.9 6.8
25 15 14 13 8 8 12 10 35

-1.4 -0.5 -1.1 0.0 +0.1 0.0 -0.6 -1.1 -0.6 -0.4

7.6 6.7 7.3 6.2 6.1 6.2 6.8 7.3 6.8 6.6
35 25 14 11 4 7 9-10 11 25

-0.3 -0.2 -0.9 -0.1 0.0 -0.4 -0.7 +0.5 +1.5 +2.4

8.0 7.3 8.0 7.2 7.1 7.5 7.8 6.6 5.6 4.7
25 15 14 5 7 9 11 15 25

+0.9 +0.1 -1.4 -1.8 -0.1 0.0 -0.7 -1.1 +1.1 +1.1 +0.8

2.3 3.1 4.6 4.0 3.3 3.2 3.9 4.3 2.1 2.1 2.1
25 12 14 11 4 6 8 11 21 25

+2.2 +1.9 +1.3 -0.9 -0.4 +0.1 0.0 -0.7 -1.1 +1.5 +1.3 +0.8

1.6 1.9 2.5 4.7 4.2 3.7 3.8 4.5 4.9 2.3 2.3 3.0
25 20 17 14-13 11 9 6 7 12 22 25

+3.2 +3.0 +1.1 -0.6 -0.3 0.0 0.0 -0.5 -0.9 +0.1 -0.5

2.9 3.1 5.0 6.7 6.4 6.1 6.1 6.6 7.0 6.0 6.6
25 20 16-15 10 11 5 7 8-9 10 25

+1.6 +0.6 -0.9 -0.5 0.0 0.0 -0.6 -1.0 -0.2 0.0

6.3 7.8 9.3 8.9 8.1 8.4 9.0 9.4 8.6 8.4
25 15 14-12 10 4 7 9 10 25

+0.3 -0.6 -0.9 -0.2 0.0 -0.8 -0.1 -0.5

9.4 10.3 10.6 9.9 9.7 10.5 9.8 10.2
25 14 13-11 6 1 9 11 25

		1092 2/6		
144			3.7	88.5
145			4.0	88.2
146			4.3	87.9
+35	? title under Road. filled. Need 12" pipe		4.0	88.2
147			4.0	88.2
148			1.8	90.4
T.P.	5.63	1095 5/8	2.31	1089.85
+35			1.5	91.0
149			4.0	91.5
B.M.			4.48	1091.00
150			4.0	91.5
151			6.3	89.2
152			7.1	88.4
153			7.0	88.5

No outlet for Lt. ditch & small sag at 152 — Natural course to Rt. & Parents barn.

+0.4 -0.2 -0.8 0.0 0.0 -0.4 -0.8
3.3 3.9 4.5 3.7 3.7 4.1 4.5
25 14 13 6 14 25

-0.4 -0.7 -1.0 -0.6 -0.1 0.0 -0.4 -0.9 0.0 -0.5
4.4 4.7 5.0 4.6 4.1 4.0 4.4 4.9 4.0 4.5
25 13 12 10 2 7 9 11 13-25

-0.4 -0.6 -1.1 -0.6 0.0 -0.4 -0.7 0.0 +0.3
4.7 4.9 5.4 4.9 4.3 4.7 5.0 4.3 4.0
25 2 9 13 7 10 11 25

1087.4 1087.2 1086.9 1087.4 1087.8 1088.2 1087.6 1086.7 1085.8 1087.2 1087.3
-0.8 -1.0 -1.3 -0.8 -0.4 0.0 -0.6 -1.5 -2.4 -1.0 -0.7
4.8 5.0 5.3 4.8 4.4 4.0 4.6 5.5 6.4 5.0 4.7
25 19 12 11 9 4.0 8 10 11.6 Ft. 15 25
6" tile Rt →

-0.1 -0.9 -1.1 -0.8 -0.2 0.0 -0.7 -1.1 -0.8 -0.4
4.1 4.9 5.1 4.8 4.2 4.0 4.7 5.1 4.8 4.1
25 13 12 10 5 8 10 11 25

+0.8 +0.6 -0.8 -0.5 0.0 -0.2 -0.5 +0.5 +0.3
1.0 1.2 2.6 2.3 1.8 2.0 2.3 1.3 1.5
25 17 12 9 2 10 12 25

-0.1 -0.6 -1.0 -0.6 -0.1 0.0 -0.1 -0.8 0.0 -0.3
4.6 5.1 5.5 5.1 4.6 4.5 4.6 5.3 4.5 4.8
25 13 12 10 4 7 9 11 25

+0.9 +0.4 -0.3 -0.9 -0.4 0.0 -0.2 -1.1 -0.1 -0.8
3.1 3.6 4.3 4.9 4.4 4.0 4.2 5.1 4.1 4.8
25 16 12 11 8 6 10 11 25

Nail with cap in S. Wroot 18" Maple 22' Rt. Sta. 1087+98

+0.7 +0.5 -0.2 -0.9 -0.5 0.0 -0.4 -1.0 -0.3 -0.8
3.3 3.5 4.2 4.9 4.5 4.0 4.4 5.0 4.3 4.8
25 18 12 11 9 7 9-10 11 25

+1.1 +0.8 0.0 0.0 0.0 +0.2 +1.0 +0.9
5.2 5.5 6.3 6.3 6.3 6.1 5.3 5.4
25 17 6 7 9 11 25

1087.3 1087.4 1087.9 1087.2 1087.8 1088.2 1088.7 1088.1 1087.6
-1.1 -1.0 -0.5 -1.2 -0.6 -0.2 0.0 -0.3 -0.8
8.2 8.1 7.6 8.3 7.7 7.3 7.1 7.4 7.9
25 18 10 9 7 4 2 25

+0.9 +0.8 0.0 0.0 0.0 -0.6 -0.2
6 6.2 7.0 7.0 7.0 7.6 7.2
25 17 7 3 11 14-25

Take Lt. ditch water forewarned in Lt ditch.

		1095	5 48		
+60				7.7	88.3
154				8.5	87.0
T.P.	3.65	1091	81	7.32	1088.16
155				10.3	81.5
154+50				7.4	84.4
T.P.	5.30	1085	3 27	11.84	1079.97
155+50				7.8	77.5
156				11.4	73.9
T.P.	1.27	1074	6 56	11.98	1073.29
157				7.7	66.9
158				13.0	61.6
T.P.	0.42	1062	23	12.75	1061.81
159				6.2	56.0
160				11.2	51.0
Noon T.P.	1.26	1050	46	13.03	1049.20
161				3.5	47.0
162				6.6	43.9

Lt. ditch drains To Lt. in sag

+1.2 +0.9 0.0 -0.7 -0.4 0.0 +0.1 -0.7 -0.2 -0.4
6.0 6.3 7.2 7.9 7.6 7.2 7.1 7.9 7.4 7.6
25 14 1 6 4 5 12 13 25

-1.1 -0.2 -1.3 0.0 +0.2 -0.1 -0.4 +1.2 +0.9
9.6 8.7 9.8 8.5 8.3 8.6 8.9 7.3 7.6
25-TC 8 7 4 11 13 17 25

-0.6 +1.0 +1.6 -1.0 -0.5 0.0 +0.2 -0.2 -1.4 -0.6 +0.8 +2.3 +3.1
10.9 9.3 8.7 11.3 10.8 10.3 10.1 10.5 11.7 10.9 9.5 7.0 7.2
25 15 9 6 4 3 11 12 TC 17 25

-2.3 -1.1 -0.6 -1.0 0.0 +0.3 +0.1 -0.1 +1.0 +0.8
9.7 8.5 8.0 8.4 7.4 7.1 7.3 7.5 6.4 6.6
25 17 8 7 4 10 12 20 25

-0.8 +0.5 +0.8 -1.0 -0.3 0.0 0.0 -0.2 -1.1 -0.6 +7.3
8.6 7.3 7.0 8.5 8.1 7.8 7.8 8.0 8.7 8.4 0.5
25 16 9 2-6 3 4 7 9 10-12 22-25

-1.1 -0.4 -0.2 -1.7 -0.6 0.0 +0.2 -0.2 -1.1 +2.7 +6.4
12.5 11.8 11.6 13.1 12.0 11.4 11.2 11.6 12.5 8.7 5.0
25 18 9 7 3 3 7 10-12 16 25

+1.7 +1.9 +1.6 -1.1 0.0 0.0 +0.1 -0.4 -1.0 +3.3 +4.2
6.0 5.8 6.1 8.9 7.7 7.7 7.6 8.1 8.7 4.7 3.5
25 17 9 7 2 4 9 11-12 18-21 25

+2.7 +2.4 +1.5 -0.9 -0.5 0.0 +0.2 -0.5 -1.6 -0.5 +1.8 +1.4 +2.2
10.3 10.6 11.5 13.9 75.5 13.0 12.8 13.5 14.6 13.5 11.2 11.6 10.3
25 15 9 6-5 4 4 10 12 13 16 20 25

+2.6 +1.9 +0.4 -1.1 -0.6 0.0 +0.1 -0.7 -1.4 +2.0 +1.9 +1.3 +2.1
9.6 8.3 5.8 7.3 6.8 6.2 6.1 6.9 7.5 4.2 4.3 4.9 4.1
25-TC 10 7 5.6 5 5 11 12-13 16 17 20-21 23-25

+3.1 +2.9 +2.0 -1.0 -0.6 0.0 +0.3 -0.5 -1.4 +1.5 +0.7 +1.6
8.1 8.3 9.2 12.2 11.8 11.2 10.9 11.7 12.5 9.3 10.5 9.6
25 17 9 6-5 4 4 10 13-14 17 20 25

+2.4 +1.6 +0.1 -1.3 -1.0 0.0 +0.1 -0.3 -0.7 -0.5 -0.2
11 19 3.4 4.3 4.5 3.5 3.4 3.3 4.7 4.0 3.7
25 17 6 6 5 5 10 12-14 15 25

+0.9 +0.3 -0.1 0.0 -0.5 0.0 +0.3 -0.4 -0.1 +0.5
5.7 6.3 6.7 6.6 7.1 6.6 6.8 7.0 6.7 6.1
25 22 15 8 6-4 4 5 10-12 13 15-25

		1050	5 46		
163				8.6	41.9
T.P.	2.48	1044	13	8.81	1041.65
164				3.6	40.5
+30				5.2	38.9
165				9.6	34.5
T.P.	0.52	1032	74	11.91	1032.22
166				3.4	29.3
167				6.9	25.8
168				9.5	23.2
					1022.94
T.M.	2.91	1025	83	9.87	1022.92
169				4.6	21.2
170				6.8	19.0
170+30				7.9	17.9
168+45	Possible location for a 12" Hillside pipe Culv. may need tile to Lt. for outlet. (+70' from ℄) (Lt. pipe is not used open ditch 100' Lt.)			3.5	22.3

-2.9 -2.7 -1.5 -0.6 0.0 +0.1 -0.1 -0.6 -0.5 +0.6
11.5 11.3 10.1 9.2 8.6 8.5 8.7 9.2 9.1 8.0
25 18 8 6 5 11 12-13 14 25

+1.4 +0.7 -0.7 0.0 +0.2 -0.9 -1.9 +1.4 +1.5
2.2 2.9 4.3 3.6 3.4 4.5 5.5 2.1
25-15 6 5 5 12 14 17 25

+2.5 +1.8 -0.7 -0.3 0.0 +0.5 -0.3 -1.4 +2.1
2.7 3.4 5.1 5.5 5.2 4.7 5.5 6.5 3.1
23-16 7 5 4 5 12 14-15 20-25

+4.6 +4.3 +3.6 -0.7 -0.2 0.0 +0.3 -0.6 -1.4 +3.3 +3.0
5.0 5.3 6.0 10.3 9.8 9.6 9.3 10.2 11.0 6.3 6.6
25 20 10 4 3 2 12 13-14 20 25

+2.8 +2.5 +1.4 -0.9 -0.4 0.0 +0.5 -0.3 -1.6 +0.8 +1.9
0.6 0.9 2.0 4.3 3.8 3.4 2.9 3.7 5.0 2.6 1.5
25 15 7 5-4 3 5 12 15 18 25

-0.3 -0.1 0.0 -1.1 -0.5 0.0 +0.5 -0.3 -0.8 +0.4 +1.6
7.2 7.0 6.9 8.0 7.4 6.9 6.4 7.2 7.7 6.3 5.3
25 17 7 6-5 3 4 11 13-14 16 25

-1.7 -0.8 +0.1 -0.7 -0.4 0.0 +0.2 -0.3 0.0 -0.1 +0.4 +1.5
11.2 10.3 9.4 10.2 9.2 9.5 9.3 9.8 9.5 9.2 8.8 8.0
25 15 7 6 3 3 6 11 14 15 25

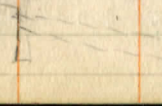
Bottom J.E. Cor board house Lt. 50 sta 169+15

+0.6 +0.3 -0.6 -0.3 0.0 +0.5 -0.2 -1.0 +1.1 +1.0
4.0 4.3 5.2 4.9 4.6 4.1 4.8 5.6 3.5 3.5
25 6 5-4 3 4 11 13 15 25

+1.3 +0.9 +0.1 -1.3 -0.6 0.0 +0.2 -0.8 -1.4 +1.2 +0.6
5.5 5.9 6.7 8.1 7.4 6.8 6.6 7.6 8.2 5.6 6.2
25 17 7 6 4 3 13 12-13 14 25

+2.2 +2.4 +2.0 +1.1 +0.9 -1.5 -0.4 0.0 +0.1 -0.8 -1.3 +1.7 +1.1
5.7 5.5 5.7 6.8 7.0 7.4 8.3 7.8 7.8 8.7 9.2 6.2 6.3
25 21 14 12 9 8 4 2 2 10 12-13 15 25

1018.5 1020.8 1021.7 1022.4 1021.4 1021.8 1022.3 1022.6 1022.3 1024.6 1022.8 1023.1
-3.8 -1.5 -0.6 +0.1 -0.9 -0.5 0.0 +0.3 0.0 -0.7 +0.5 +0.8
7.3 5.0 4.1 3.4 4.4 4.0 3.5 3.2 3.5 4.2 3.0 2.1
25 25 16 7 6-5 4 4 11 12-15 16 25



10-19-'22
Fair - cold

Manna
Gray
Spahn

30

B.M.	0.96	1023.88			1022.92
171				9.8	14.1
T.P.	3.05	1015	01	11.92	1011.96
+65				5.3	09.7
172				8.7	06.6
T.P.	0.55	1002	94	12.62	1002.38
173				4.6	98.3
T.P.	0.38	990	35	12.97	989.97
174				2.1	88.3
T.P.	0.52	978	46	12.41	977.94
175				1.8	76.7
T.P.	0.41	966	73	12.14	966.32
176				3.5	63.2
	0.85	955	32	12.26	954.97
177				4.4	50.9
T.P.	2.86	945	42	12.76	942.56
177+50				3.5	41.9
178				11.0	34.4
T.P.	0.31	933	15	12.58	932.84

✓

+3.7 +2.7 +0.9 -1.9 -1.3 -0.4 0.0 -0.6 -1.2 -2.4 +2.6 +2.7

+3.5 +3.8 +1.9 -2.1 -1.3 -0.3 0.0 -0.6 -1.2 +2.1 +2.5 +2.3

+4.6 +4.8 +2.9 -0.8 -0.3 0.0 -0.2 -1.0 -1.8 +1.2 +3.4 +3.6

+6.8 +6.6 +2.7 +1.0 -1.1 -0.7 -0.1 0.0 -0.2 -0.7 -1.5 +5.8 +6.4 +5.8

+9.8 +10.3 +9.7 -1.9 -0.9 -0.2 +0.2 0.0 -0.7 -1.5 -2.7 +8.5 +8.3

13.0 ~~13.0~~ +12.4 +3.7 +2.9 -1.2 -0.5 0.0 0.0 -0.7 -1.2 +1.4 +5.2 +10.8 +10.2

+12.3 +12.0 +3.5 -1.3 -0.1 0.0 0.0 -0.3 -0.8 -1.3 -2.5 +0.8 +3.5 +5.6 +6.0

+3.1 +2.0 -0.9 +0.3 0.0 -0.3 -1.0 -2.2 +2.3 +2.5 +2.6

18" V.P. pipe under D.W. Lt.

+2.1 +1.5 +0.5 -1.1 +0.1 0.0 -0.1 -1.9 +0.1 +1.7 +3.1

-3.0 -2.5 -1.1 -0.5 -0.8 -0.4 +0.1 0.0 -0.3 -0.1 -0.7 +0.4 -0.2

15" V. pipe in D.W. To Rt.

933 15

178+50			4.0	29.2
+65			4.9	28.3
179			7.0	26.2
B.M.	10.90	923.24	9.91	923.25 / 923.24
+50			8.9	25.2
+70			8.6	25.5
			27.8	906.3
180			8.1	26.0
+50			6.0	28.1
T.P.	9.04	942.10	1.08	933.06
181			8.8	33.3 ✓

-3.2 -2.6 -2.2 -0.5 +0.1 0.0 +0.3 +0.1 0.0 -0.1
7.2 6.6 6.2 4.5 3.9 4.0 3.7 3.9 4.0 4.1
25 11 13 9 6 9 19 25 30

-3.1 -2.8 -1.6 -0.6 0.0 0.0 -0.2 -0.6 -1.1
9.0 7.7 6.5 5.5 4.9 4.9 5.1 5.5 6.0
25 17 12 6 2 7 12-19 25

-9.8
16.3
8.5
-6.6 -7.1 -7.9 -7.1 -3.7 -0.4 0.0 -0.2 -1.0 -3.7 -5.8 -11.5 -9.4
13.6 14.1 14.9 14.1 10.7 7.4 7.0 7.2 8.0 10.7 12.8 16.5 16.9
30 25 22 17 13 9 6 8 12 15 23-25 27

x on N.W. Cor. Lt. wall to Arch bridge 179+68

-1.7 -0.5 -0.1 0.0 -0.3 -0.5 -1.8
10.6 9.4 9.0 8.9 9.2 9.4 10.7
12.5 10-8 2 1 8 12 , wall stone

-17.1 -13.2 -7.1 -3.6 -2.2 -1.0 0.0 0.0 -0.3 -0.6 -1.6 -3.0 -5.4
25.7 21.8 15.7 12.2 10.8 9.6 8.9 8.6 9.2 9.2 10.2 11.6 14.0
35 28 15 14 12 10 3 2 5 10 14 15-16

Elev. seat of arch

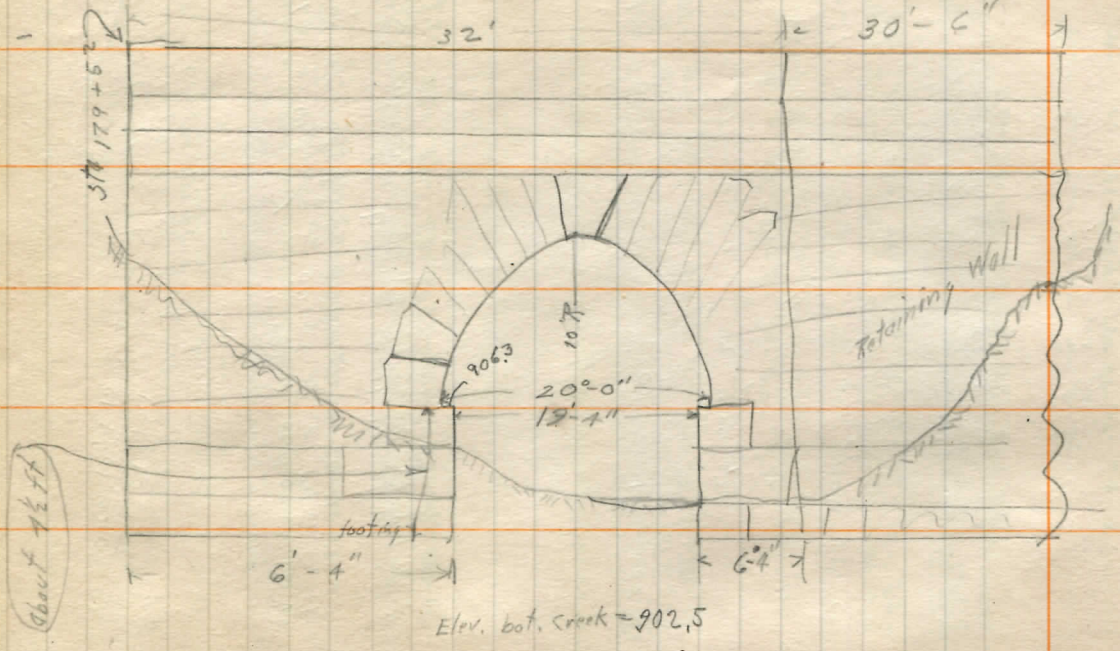
-13.6 -13.0 -10.0 -4.9 -2.9 -0.7 -0.5 0.0 -0.3 -4.9 -12.9 -17.7 -20.4 -21.7
21.7 21.1 18.1 13.0 11.0 8.8 8.4 8.1 8.4 13.0 21.0 25.8 29.5 29.8
35 30 24 16 14 11 9 3-9 15 23 32 34 38

-11.9 -10.9 -7.0 -5.3 -0.2 -1.0 -0.4 0.0 -0.2 +0.6 +1.2 -1.9 -7.0 -12.6 -12.9
17.9 16.9 13.0 11.3 6.2 7.0 6.4 6.0 6.2 5.4 4.8 7.9 13.0 18.6 17.9
40 31 24 20 12-15 7 6 3 7 8-10 15 21 30 40

-5.3 -5.4 -4.2 +0.4 +1.4 +0.7 -0.2 +0.1 0.0 -0.2 +0.3 +0.1 -1.0 0.0 +0.1 -2.4 -4.2
6.3
15.1 14.2 13.0 8.4 7.9 8.1 9.0 8.7 9.0 9.0 8.5 8.7 9.7 11.2 13.0
35 30 25 18 14 13 4 4 4 7 11 12-13 25 28

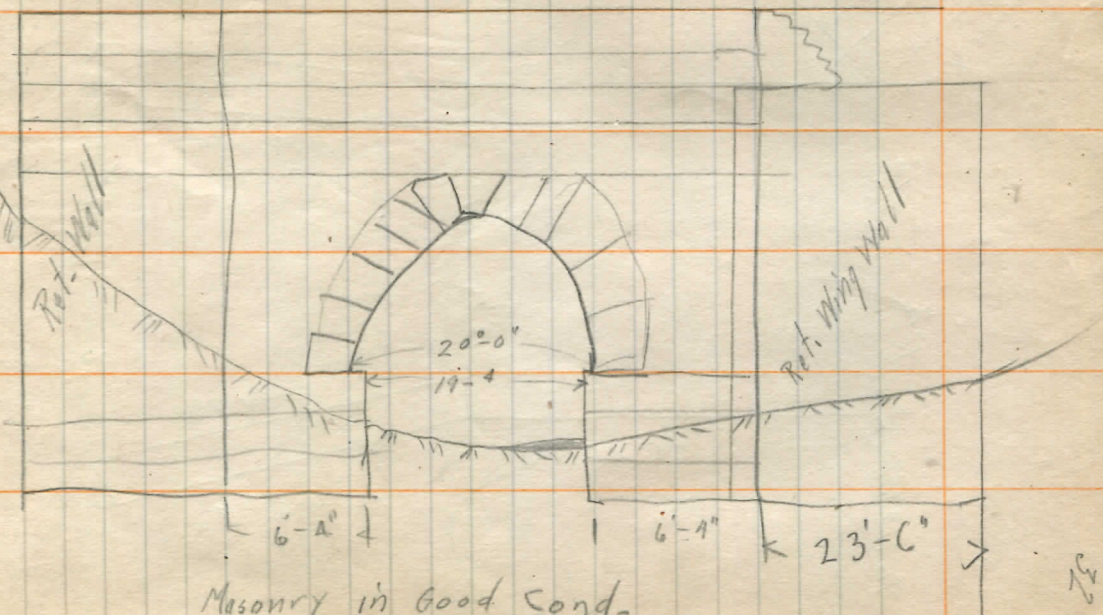
-4.2 -14.5 -15.1
13.0 23.3 23.9
30 45 50

VIEW OF LEFT END ARCH



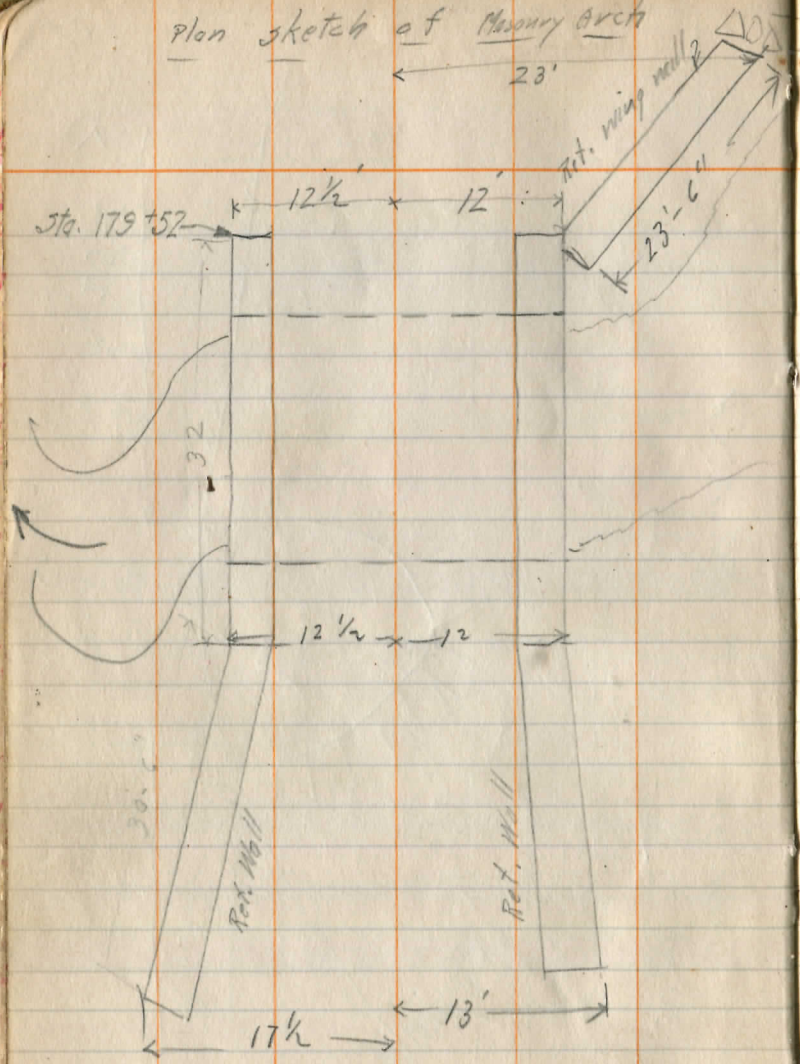
Elev. bot. creek = 902.5

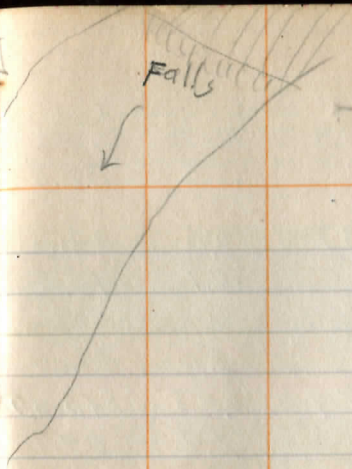
VIEW OF RIGHT END ARCH



Masonry in Good Cond.

Plan Sketch of Masonry Arch





10-20-22
Beautiful

Hanna Grau Spahn

		942.	10		
181+50				3.6	38.5
T.P.	10.98	952	87	021	941.89
182				9.1	43.2
183				3.0	49.9
p.m. T.P.	12.85	961	74	3.98	948.89
184.				2.6	59.1
T.P.	10.90	972	10	0.54	961.20
185				5.0	67.1
T.P.	12.40	984	39	0.11	971.99
186				9.1	75.3
187				0.9	83.5
T.P.	11.27	995	02	0.64	993.75
+30				9.6	85.4
188				7.2	87.8
189				3.9	91.1
190				1.3	93.7
T.P.	10.20	1004	30	0.92	994.10

✓

-0.7 -0.5 -1.2 -0.4 +0.1 -0.3 0.0 +0.5 +0.3 -0.6 +2.8 +3.3 +5.3 +5.5 -1.7

-0.4 -0.5 -1.0 -1.2 -0.5 0.0 0.0 -0.2 +0.3 -0.5 +0.2 +2.6 +4.5 +4.9

+3.8 +3.1 +2.5 -0.4 -1.2 -0.6 0.0 0.0 -0.3 -1.3 0.0 +5.0 +5.8 +5.4

Blood Stain in AI Track

+4.2 +2.6 -0.8 -0.4 -0.5 0.0 -0.1 +0.2 -0.6 +0.9 +2.6 +5.9 -3.3

+5.4 +5.0 +1.0 -0.5 -1.4 -0.7 -0.4 0.0 -0.3 -1.0 +3.3 +6.2 -1.2

+5.2 +5.1 +4.2 +1.4 -0.7 -0.3 0.0 -0.5 -1.9 +4.2 +6.6

+1.1 +0.5 -0.7 -1.1 -0.6 0.0 -0.1 -2.2 +0.8 +2.7 3.2 -2.3

0.0 -0.3 -1.4 -0.8 -0.5 0.0 -0.3 -1.2 -2.1 +0.8 +1.9 +2.3

+0.1 -0.5 -0.8 -0.5 0.0 -0.4 -0.3 -1.3 +0.1 +1.4

+1.2 +0.7 -0.7 0.0 -0.3 -1.3 +0.3 +2.2

+0.2 -0.4 0.0 -0.6 -0.2 -0.1 +0.4

1004.30

191			9.3	95.0	
192			7.9	96.4	
193			5.8	98.5	
194			3.6	00.7	
B.M.			0.26	1004.03 / 1004.04	
T.P.	8.70	1011.00	2.00	1002.30	
195			8.4	02.6	
+60	12" Corr. Pipe 20' long Rec'd 12" Hillside		6.7	04.3	
196			5.7	05.8	
197			1.5	09.5	
T.P.	12.68	1023	31	0.37	1010.63
198			6.7	16.6	
+60			1.6	21.7	
TP.	11.66	1034	17	080	1022.5

-1.1 -0.5 -0.4 -0.1 0.0 -0.2 +0.3 +0.7 +0.8
10.4/25 9.8/18 9.7/12 9.4/4 9.3 9.5/11 9.0/13 8.6/19 8.5/25

rake Lt. ditch water to Lt.

-0.9 +0.3 -0.3 +0.1 0.0 -0.1 +0.9 +2.5 +2.0
8.8/30 7.6/13 8.2/7 7.8/4 7.9 8.0/9 7.0/13 5.4/20 5.9/25 in yard

+2.4 +2.0 +1.1 +0.9 -0.9 -0.4 0.0 0.0 -0.5 +0.4 +1.4 +2.2
3.4/25 3.8/21 4.7/19 4.2/15 6.7/13-12 6.2/10 5.8/3 6.3/8 5.4/12 4.4/16 3.6/25 in yard

+1.5 +1.4 +0.9 -0.5 -0.2 0.0 0.0 -0.4 -0.3 -0.9 -2.0
2.1/25 2.2/19 2.7/18-12 4.1/14 3.8/11 3.6/3 3.6/7 4.0/8 3.9/14 4.5/25

Tin headed tack N.E. root 18" Maple 30' Lt, 194+

+0.8 -0.2 -0.5 -0.1 +0.1 0.0 -0.3 -0.4 -0.9 -2.5 -3.0
7.6/29 8.6/17 8.9/14 8.5/11 8.3/3 8.4/5 8.7/8 8.3/13 10.9/21 11.4/25

1004.7 1004.8 1004.7 1004.7 1004.7 1004.6 1004.6 1004.3 1004.3 1004.0 1003.0 1002.0 1002.0 1000.4
+0.4 +0.5 -1.6 -1.6 +0.2 -0.2 +0.1 0.0 -0.3 -2.3 -3.8 -3.9
6.3/20 6.2/14 8.3/14 8.3/FL 6.5/11-9 6.9/8 6.6/2 6.7 7.0/8 9.0/FL 10.5/15 10.6/23

(old is 4 story)

+2.6 +2.1 +0.1 -0.2 -1.1 -0.1 -0.7 -0.3 +0.2 0.0 -0.5 -1.1 -0.5 -0.3 -1.0 -1.4
6.3/25 5.1/22 5.4/17-14 6.3/13 5.3/12-10 5.7/7-7 5.5/6 5.0/2 5.2 5.7 6.3/9-10 5.7/11 5.5/16 6.2/23 6.6/25

+6.2 +4.6 +0.6 -0.3 -1.1 -0.5 -0.2 0.0 -0.3 -0.5 -1.2 -0.4 +1.3 +0.5
4.7/25 3.1/22 6.9/16 7.8/14 2.6/13 2.0/12-11 1.7/10 1.5 1.6/3 2.0/10 2.7/12 1.9/13 0.2/17 1.0/21 2.5

+4.6 +4.4 +2.6 -0.8 -0.4 0.0 0.0 -0.4 -0.7 -1.5 +0.6 +1.5 +1.6
2.1/25 2.3/22 4.1/19 7.5/13-12 7.1/10-6 6.7/3 6.7 7.1/6 7.4/10 8.2/11-12 6.1/15-17 5.2/18 5.1/25

+2.7 +2.9 +1.0 -2.1 -1.0 -0.4 0.0 -0.7 -1.9 +1.1 +0.4
1.1/25 1.3/22 0.6/16 3.7/13-12 2.6/11 2.0/9 1.6 2.3/9 3.5/12-13 0.5/17 1.2/25

		1034	17		
199				9.7	24.5
200				1.6	32.6
T.P.	12.15	1046	87	0.05	1034.12
201				6.5	40.4
+40				4.1	42.8
T.P.	12.16	1058	70	0.33	1046.54
202				10.0	48.7
+40				6.0	52.7
203				2.0	56.7
T.P.	11.11	1069	19	0.62	1058.08
204				5.5	63.7
T.P.	10.80	1079	37	0.62	1068.57
205				8.3	71.1
206				0.4	79.0
T.P.	12.01	1091	24	0.14	1079.23
207				5.0	86.2
T.P.	6.34	1096	04	1.54	1089.70
B.M.				2.21	1093.91

+3.8 +3.2 +0.9 -1.4 -0.6 -0.4 0.0 -0.6 -1.9 -0.5 +0.1 -0.7 -0.2

+4.0 +3.6 -1.1 -0.2 0.0 -0.6 -0.7 -1.5 -0.5 +1.2 +3.0 +2.9

+2.1 +2.5 +0.4 -0.5 -0.3 0.0 0.0 -0.7 -1.6 +4.8 +5.4

+4.8 +4.6 +4.1 -0.7 -0.3 0.0 0.0 -0.3 -1.0 -6.9 +6.6

+2.6 +3.6 -1.4 -0.3 0.0 0.0 -0.6 -0.4 -2.8 -0.6 +4.0 +4.4

+0.1 +0.8 +2.4 -1.3 -0.6 0.0 0.0 -0.3 -1.6 +3.1 +3.5

+1.0 +1.2 +2.3 +2.6 -1.6 0.0 +0.1 -1.0 -1.5 +3.7 +3.9

+2.2 +2.4 +3.1 -1.1 -0.6 0.0 -0.7 -0.8 -1.5 +3.4 +3.8

+2.5 +2.7 -1.3 -0.8 0.0 -0.5 -0.7 -1.2 +2.9 +3.5

+3.5 +3.6 +1.9 +1.2 -1.0 0.0 -0.1 -0.8 -1.5 +1.4 +1.7 +3.1 +3.4

+2.8 +2.6 +2.8 +3.3 +0.1 -0.9 -0.6 0.0 +0.1 -0.5 -0.8 +3.2 +4.2 +4.0

Tin headed tack W. root 15" Maple Rt. front of empty house

1096 04.

207+85				4.2	91.8
208				4.4	91.6
209				6.3	89.7
+94	14" C.I.P. soc. 15" corr pipe (Reqd. 15. Pipe)	{ 22' long		6.0	90.0
210				6.0	90.0
211				4.5	91.5
T.P.	11.93	1104.13		3.84	1092.20
212				9.2	94.9
213				2.6	01.5
T.P.	11.10	1114.91		0.32	1103.81
214				7.5	07.4
+50					
				4.9	10.0

+0.1 +0.4 +0.8 -0.5 0.0 -0.3 +1.6 +1.9
4.1 3.5 3.4 4.7 4.2 4.5 2.6 2.3
25 13 7-10 7 8 19 25

-0.6 -0.3 -0.8 -0.3 0.0 -0.2 +0.2 +1.6
4.8 4.5 5.0 4.5 4.4 4.6 4.0 2.6
25-21 10 7 1 7 14 21-25

-0.7 -0.4 -0.9 -0.6 -0.5 +0.1 0.0 -0.4 +0.5 +0.8
7.0 6.7 7.2 6.9 6.8 6.2 6.3 6.7 5.8 5.5
25 14 13 12 8 4 6 17 25

1086.4 1087.5 1089.3 1090.0 1090.1 1089.7 1088.5 1089.0
-3.4 -2.5 -0.7 +0.1 0.0 +0.1 -2.1 -1.5 -1.0
9.4 8.5 6.7 5.7 6.0 5.9 8.1 7.5 7.0
25 15 12 4 8 FL 10 13 25

< 12½ x 9½ 7

-2.1 -2.0 -1.1 -1.4 -0.5 +0.3 0.0 -0.2 -1.2 -0.7 -0.8
8.1 8.0 7.1 7.4 6.5 5.7 6.0 6.2 7.2 6.7 6.8
25 20 14 13 11 3 6 9 10 25

-0.8 -1.1 -0.6 +0.2 0.0 -0.9 -0.8 -0.2 +0.1
5.3 5.6 5.1 4.3 4.5 5.4 5.3 4.7 4.4
25-12 11 10 7 2 5 10 12 25

+2.0 -0.9 -0.6 -0.5 0.0 -0.6 -1.0 +2.4 +3.0 +2.6
7.2 10.1 8.8 9.7 9.2 9.6 10.2 6.8 6.2 6.6
25-14 11 8 4 6 12 17 21 25

+3.2 +3.4 -0.6 -0.4 0.0 0.0 -1.0 -0.3 +3.0 +3.6
-1.6 -0.3 3.2 3.0 2.6 2.6 3.6 2.9 -0.4 -1.0
25 13 8 2 3 11-14 16 21 25

+3.0
+2.1 +1.6 -0.5 -0.7 -0.5 0.0 +0.3 -0.1 -0.7 -0.5 -0.8 +0.8 4.5
5.4 5.4 8.0 8.2 7.5 7.2 7.6 8.2 8.0 8.3 6.5 4.8 25
25 17 4 6 5 1 5 9 12 13-14 16 21 27

-0.3 +0.3 -0.8 0.0 -0.1 -1.0 -0.9 +0.6 +1.5 +1.8
5.2 4.1 5.7 4.9 5.0 5.9 5.8 3.4 3.1
25 15-11 8 3 9 14 17 21 25

1114.91

215			4.3	10.6
+34	37'-12" H.P. Good. (Reqd - 12" hillside)		3.8	11.1
216			3.0	11.9
217			1.3	13.6
T.P.	9.73	1124.57	0.07	1114.84
218			7.1	17.5
219			3.8	20.8
T.P.	4.95	1128.13	1.39	1123.18
220			4.4	23.5
+25			4.2	23.9
B.M.			4.32	1123.79 1123.81
221			4.7	23.4 ✓

-1.4 -0.8 -0.7 -0.3 0.0 -0.7 -0.9 +0.8 +1.2

1107.0 1105.1 1108.5 1107.3 1108.5 1109.7 1111.0 1111.1 1110.5 1110.7 1110.8 1111.0 1108.1 1110.5

-4.1 -3.0 -2.6 -3.8 -2.3 -1.4 -0.4 -0.1 0.0 -0.6 -0.4 -0.3 -0.1 -3.0 -0.6

(Reqd. 12" min. cut at 250' Lt.)

21 16'

Large boulder is placed over each end

-2.0 -1.4 -0.8 -1.2 -0.7 -0.2 +0.1 0.0 -0.6 -0.9 -0.2 -0.6

+1.7 +1.1 -0.7 -1.0 -0.4 +0.1 0.0 +0.1 -0.1 -0.9 +0.9

+2.4 +1.9 +0.5 -0.9 -0.4 +0.1 0.0 +0.6 +0.5 +0.3 -0.3 +2.8

+2.1 +1.9 +1.3 -0.2 -0.8 -0.4 0.0 0.0 -0.6 -0.2 -0.4 +0.2 +2.5 +2.9

+0.4 +0.7 -0.7 -0.1 0.0 -0.5 -0.3 +1.1 +2.5

Tin headed tack in N. root 36" Ash. Lt. opposite Hiker Est.

-0.2 +0.3 +0.1 -0.5 -0.1 0.0 -0.2 -0.5 +0.6 +2.4

		1128	13		
222				7.0	21.1
223				12.0	16.1
T.P.	0.26	1115	47.5	12.92	1115.21
224				4.2	11.3
+45				5.7	09.8
225				9.6	05.9
+30	10-21-72			11.3	04.2
T.P.	1.21	1103	7.8	12.91	1102.56
226				5.2	98.6
227				11.6	92.2
T.P.	0.55	1091	30	13.02	1090.75
228				2.9	88.4
229				6.5	84.8
230				9.1	82.2 ✓

-0.2 +0.4 -0.7 -1.1 0.0 -0.3 -0.5 -0.4 0.0 +2.3
7.2 6.6 7.7 9.1 7.0 7.3 7.5 7.4 7.0 4.7
25 15 11 7 3 7 10 16 25

+1.1 +1.5 +0.2 -0.7 -1.3 -0.7 0.0 -0.9 -1.3 -0.8 -1.0 +1.4 +2.6
10.3 10.5 11.8 12.7 13.3 12.7 12.0 12.9 13.3 12.8 13.0 10.6 9.4
25 16 13 9 5 5 7 8 10 15 21 25

-0.5 -0.3 -0.2 -0.6 -0.4 0.0 -0.2 -0.4 +0.2 +1.6
4.7 4.5 4.9 4.8 4.6 4.2 4.4 4.6 4.0 2.6
25 23 14 12 3 5 18 17 25

-1.0 -0.3 +0.4 -0.6 0.0 -0.2 +2.1
6.2 6.0 5.3 6.3 5.7 5.9 3.6
25 20 10 8-7 5 25

General drift

00 +0.4 +0.6 -0.4 -1.0 -1.4 -0.7 0.0 -0.4 0.0 -1.1 -0.2 +0.7 +2.4
9.6 9.2 9.0 10.0 10.6 11.0 10.3 9.6 10 9.6 10.7 9.8 8.9 7.2
25 21 17 13 11 9 5 5 8-14 15 12-17 18 25

-0.1 +0.4 +0.3 -0.7 -1.6 -0.7 0.0 -0.3 -0.8 -0.4 -0.7 -1.5 -0.3 +2.1 +2.7
11.4 10.9 11.0 12.0 12.9 12.0 11.3 11.6 12.1 11.7 12.0 12.8 11.6 9.2 8.6
25 20 16 10 8 5 4 7-8 9 14 15 16 22 25

Rock on Rt.

+1.6 -0.5 -0.8 -0.4 0.0 0.0 -0.3 -0.5 -0.1 -0.7 +0.2 +1.5 +4.0
5.6 5.1 4.6 5.6 5.2 5.2 5.5 5.7 5.3 5.7 5.5 3.7 1.2
25 19 13 11 9 5 1 3 7 13 14 15 19 25

+0.7 -0.5 -0.8 -1.2 -0.4 0.0 -0.1 -0.4 +0.1 -0.3 -1.3 00 +2.4
10.9 12.1 12.9 12.8 12.0 11.6 11.7 12.0 11.5 11.9 12.9 11.6 9.2
25 15 13 10 9 6 5 6-7 8 13 14 15 25

-0.4 0.0 -0.7 -1.0 -0.1 0.0 -0.2 -0.5 -0.1 -0.4 -0.8 0.0 +1.6
3.3 2.9 3.6 3.9 3.0 2.9 3.1 3.5 3.0 3.3 3.7 2.9 1.3
25 17 13 8 2 2-4 6 9 14 15 16 25

-0.7 +0.2 -0.9 -0.7 0.0 0.0 -0.7 -0.4 -0.1 -1.0 -0.2 +1.0
7.2 6.3 7.4 7.2 6.8 6.5 7.2 6.9 6.6 7.5 6.7 5.5
25 14 11 5 1 6-8 9 14 15 16-19 25

-1.3 -0.4 -0.8 -0.7 0.0 -0.5 -0.9 -0.5 -0.9 -0.5 +0.1
10.4 9.3 9.1 9.8 9.1 9.6 10.0 9.6 10.0 9.6 9.0
25 10 9 4 5 6-8 9-14 15 16 25

		109130			
231				10.8	80.5
T.P.	1.15	1081	33	11.12	1080.18
232				2.7	78.6
+35				3.6	77.7
233				6.4	74.9
234				11.3	70.0
T.P.	0.27	1068	90	12.70	1068.63
235				3.5	65.4
236				9.5	59.4
+35				11.8	57.1
T.P.	0.24	1056	36	12.78	1056.12
237				5.4	51.0
+50				7.7	48.7
238				9.2	47.2
T.P.	5.24	1050	44	11.6	1045.20

-2.4 -0.4 -0.8 -0.6 0.0 -0.3 -0.1 +0.5 -1.3 -0.5 -0.7
13.2 11.2 11.6 11.4 10.8 11.1 10.9 10.3 12.1 11.3 11.5
25 10 8 3 5-8 9 14 15 16 25

-1.2 -0.4 -0.7 -0.4 0.0 -0.2 -0.7 0.0 -0.5 -1.2 -0.7 00 +0.1
3.9 3.1 3.4 3.1 2.7 2.9 3.4 3.2 3.4 3.4 2.7 2.6
25 17-14 8 2 6 7-8 10 15 17 18 21 25

+0.1 +0.4 -0.2 -0.5 -0.4 -0.7 -0.3 0.0 +0.2 -0.5 -1.2 -0.2 -0.4 -1.2 -0.8 -0.1 +0.6
3.5 3.2 3.7 4.1 4.0 4.3 3.9 3.6 3.4 4.1 4.3 3.9 4.0 4.3 4.2 3.3
25 16 12 9 6 5 4 3 5 6 9 10 13 16-17 18-19 20-25

+1.0 +0.2 -0.4 -0.2 0.0 +0.2 -0.4 -1.0 -0.7 -0.4 -1.3 -0.1 +1.6
5.4 6.2 6.8 6.6 6.4 6.2 6.6 7.4 6.6 6.8 7.7 6.5 7.8
25 19 13-9 5 2 1 6 8-9 10 14 16-17 17 25

+1.2 +0.5 -0.4 -0.8 -0.2 0.0 +0.3 -0.5 -0.2 -0.4 -1.4 -0.3 +2.1
10.1 10.8 11.7 12.1 11.5 11.3 11.0 11.2 11.5 11.7 12.7 11.6 9.2
25 19 11-7 6 4 2 4 10 14 16 18-20 25

+1.4 +2.0 +2.2 -0.4 -0.8 -1.1 -0.7 -0.5 0.0 +0.2 -0.2 -0.5 -0.3 -0.7 -1.3 -0.7 +1.7
2.1 1.5 3.3 3.9 4.3 4.6 4.2 4.0 3.6 3.3 3.1 3.8 4.2 4.2 1.6
25-20 14 10 7 5 2 4 7 10 14 16 17 25

+2.2 +0.8 -0.1 -0.8 -1.1 -0.5 0.0 +0.1 -0.3 -0.6 -1.3 -0.5 -0.2 +1.8 +2.5
7.3 8.1 9.6 10.3 10.6 10.0 9.5 9.1 9.8 10.1 10.8 10.0 9.7 7.7
25-22 17-15 13-11 9 8-7 5 2 4 8 9 10 13 15 22-24

+3.1 +1.2 -0.3 -0.7 -0.9 -0.5 0.0 -0.7 -0.5 +0.2 +3.3 +3.4
8.1 10.6 12.5 12.7 12.3 11.3 12.3 12.3 11.6 8.5 8.4
25-24 17 13 10 7 6 3 8 12 15 25

some rock in bank 6.3

+5.7 +4.4 +3.6 -0.3 -0.7 -0.4 -0.2 0.0 0.0 -0.3 -0.4 -0.8 -0.1 +1.2 +3.5
5.3 6.1 5.7 6.7 5.8 5.6 5.4 5.4 5.7 5.8 6.2 5.5 4.2 -0.9
25 24 19 12-10 9 8 5 3 2 2 5 6 9 13 23-25

+0.2 -0.4 -0.5 -1.0 -0.4 0.0 -0.3 -0.8 -0.5 +0.5 +0.6
7.5 8.1 8.2 8.7 8.1 7.7 8.0 8.5 8.2 7.2 7.1
25-21 17 9 8-7 3 -2 -9 11 15 14 25

-1.9 -1.3 -0.9 -0.6 0.0 0.0 -0.3 -0.8 -2.3 -3.8
11.1 10.5 10.1 9.8 9.3 9.2 9.5 10.0 11.5 13.0
25 22-15 14 3 3 6 9 17 25

1050 44

4.0 46.4

℄

+35 3' x 4½' Stone Box
Good Cond Ext. Rt. end
(Con. cap over Lt Pen. if Rqd)

+80 4.2 46.2

239 3.8 46.6

+50 2.8 47.6

240 4.1 46.0

T.P. 2.19 1043 59 9.04 1041.90

241 2.9 40.7

242 8.0 35.6

243 11.7 31.9

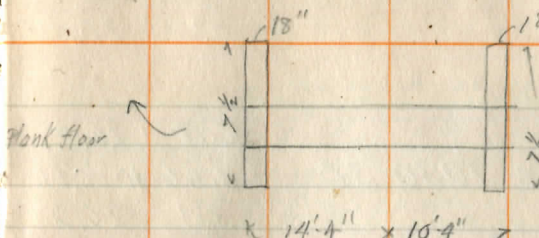
I.P. 2.28 1033 66 12.21 1031.38
1031.61

B.M. 2.02 1031.64

244 4.1 29.6 ✓

1038.1 1038.2 1045.4 1045.3 1046.1 1046.3 1046.4 1046.5 1045.0 1045.2 1038.2 1039.0 1039.6

-8.3 -8.2 -1.0 -0.9 -0.3 +0.1 00 -0.1 -1.4 -1.2 -8.2 -7.4 -6.6
12.3 12.5.0 4.9 4.3 3.9 4.0 4.1 5.4 5.2 12.2 11.4 10.6
19 FL. 14 11 10-C 4-2 4 8 10 FL. 11 17 25
Plank Part



-5.8 -4.7 -2.5 -1.8 -0.2 -0.1 +0.2 00 0.0 -1.1 -1.4 -0.8 +1.0
10.0 8.9 6.7 6.0 4.4 4.3 4.0 4.2 4.3 5.3 5.2 5.0 3.2
25 21 18 15 10 C 3.0 3 8 15 20 25

+3.2 +2.8 +1.9 -0.3 -0.1 -0.3 +0.1 0.0 -0.1 -0.4 -0.3 +1.2 +6.7
0.6 1.3 1.9 4.1 3.9 4.1 3.7 3.8 3.7 4.2 4.1 2.6 -2.9 Level
25 22 17 12 7 5 3 2 C 7 11 14 25

+1.5 +1.8 +1.4 -0.4 00 0.0 +0.1 +0.9 +1.7 +4.1
1.3 1.0 1.4 3.2 2.8 2.8 2.7 1.9 1.1 -1.3
25 20 16 10 2 3 11 19 25

+1.3 +1.0 +0.8 -0.2 -0.1 -0.4 0.0 -0.3 +0.3 -0.2 +0.2 +0.7 +2.7 +3.2
3.1 3.4 3.6 4.2 4.5 4.8 4.8 4.7 4.1 4.2 3.7 1.7 1.2
25 20 15 12 10 7 4 4 7-11 12 13 16 25

+1.2 +1.1 -0.2 -0.1 -0.7 0.0 0.0 -0.9 +0.1 -0.4 +1.7 +2.1
1.7 1.8 3.1 3.0 3.6 2.9 2.9 3.8 2.8 2.3 1.2 0.8
25 24 13 7 4 2 7 11 13 20 25

+1.0 +0.7 -0.3 -0.8 -0.1 -0.4 0.0 -0.1 -0.3 +0.5 -0.3 +1.5 +1.8
7.0 7.3 8.3 8.8 8.1 8.1 8.0 8.1 8.3 7.5 8.3 6.5 6.2
25-20 16 13 11 10 2 8 2 8 12 15 20 25

+0.5 +0.4 -0.5 -0.2 +0.1 0.0 -0.3 +0.3 +0.6 +0.3 +0.8 +1.9
11.2 11.3 12.0 11.9 11.6 11.7 12.0 11.4 11.1 11.4 10.3 9.8
25 16 13 11 3 4 7 14 16 20 25

Tin headed tack W. root 15" Maple 243+60, 28' Rt.

00 -0.5 0.0 -0.1 +0.3 0.0 -0.2 +0.2 +0.1 -0.3 +0.2 +1.1
4.1 4.6 4.1 4.2 3.8 4.1 4.3 3.9 4.0 4.4 3.9 3.0
25-19 12 12 5 3 4 6 13 14 16 25

1033.7 CC

245				5.8	27.9
246				6.8	26.9
T.P.	2.28	1030	38	5.56	1028.10
247				3.9	26.6
+20	3½' x 3'			3.3	27.1
	Stone Box. Stone & Con Cover.				
	Ext. Lt. end. open ditch to Lt. 150'				
	Clean out 1' mud from culv.				
				4.94	25.44
248				5.1	25.3
249				5.8	24.6
250				5.5	24.9
251				5.8	24.6
T.P.	3.05	1028	15	5.26	1025.10
252				4.8	23.4

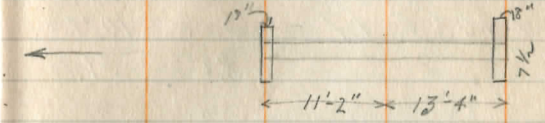
-0.2 -0.4 0.0 +0.3 0.0 0.0 +0.4 +0.1 +0.7 +1.2
6.0 6.2 5.8 5.5 5.8 5.7 5.4 5.7 5.1 4.6
25 14 11 4 2 6 16 19 25

-0.8 -0.7 -0.4 0.0 0.0 -0.1 +0.3 -0.4 -0.1 +0.3
7.5 7.5 7.2 6.8 6.8 6.9 6.5 7.2 6.9 6.6
25 - 17 13 8 5 4 6 9 18 25

-2.0 -1.1 -1.4 -1.0 +0.1 0.0 -0.1 -0.6 -1.0
5.8 4.9 5.2 4.8 3.7 3.7 3.7 4.4 4.9
25 16 11 8 2 2 2 12 18

1023.3 1026.6 1028.6 1026.8 1027.1 1027.1 1027.0 1027.1 1026.1 1028.0 1023.7 1024.7

-3.8 -3.5 +0.9 -0.3 0.0 0.0 -0.1 0.0 -0.4 +1.0 -3.4 -3.4 -2.4
7.1 6.8 2.4 3.6 3.3 3.3 3.4 3.3 3.7 2.3 6.7 6.7 5.7
27 24 Par 9 2 2 2 7 11 13 Par 19 17 18



bottom of cover - (13" cover)

-1.6 -1.1 -1.5 -0.7 -0.2 0.0 -0.5 -0.3 -0.7 -1.4 -1.2 -0.8
6.7 6.2 6.6 5.8 5.3 5.1 5.6 5.4 5.8 6.5 6.3 5.9
25 16 14-15 9 3 1 7 8 12 18 19 25

-0.9 -0.4 -0.6 -0.5 -1.0 -0.6 0.0 +0.1 -0.5 +0.1 -0.5 +0.5
6.7 6.2 6.4 6.3 6.8 6.4 5.8 5.7 6.3 5.7 6.3 5.3
25 16 15 10 9 8 2 3 10 18 25

-1.0 -0.3 -0.9 -1.1 -0.5 -0.8 0.0 +0.1 -0.5 -0.1 -0.9 -1.2 00 +0.5
6.8 5.8 6.4 6.6 6.0 6.3 5.5 5.4 6.0 5.6 6.9 6.7 5.5 5.0
25 20 12 10 8 6 5 3 10 11-13 15 17-18 19 25

-0.4 -0.8 0.0 0.0 +0.4 +0.8 +1.0
6.2 6.6 5.8 5.8 5.4 5.8 4.8
25-17 11-9 8 4 5.8 4 14 27-25

-0.1 +0.2 -0.8 -0.4 0.0 +0.6 -0.3 -0.8 +0.6 +1.4
4.9 4.6 5.5 4.7 4.2 5.1 5.6 4.2 3.7
25 11 9 5 3-6 15 17-19 21 25

1028 2/15

				4.6	23.6
252+76	2½'×4' Stone Box				
	Very Good Cond. Ext. Lt. end.				
	1½' dirt in bottom Cleanout 100' Lt.				
253				4.1	24.1
254				1.9	26.3
T.P.	11.67	1039	17	0.65	1027.50
255				8.2	31.0
256				2.5	36.7
T.P.	6.16	1043	44	1.89	1037.28
257				4.7	38.7
+30				4.2	39.2
258				5.2	38.2
259				7.9	35.5
260				8.3	35.1
+59	6" Tile			8.0	35.4
	Rej'd. 12" Pipe				✓

1018.5

1017.5 -6.1 10.7 50

1018.7 -4.9 9.5 28

1018.5 -5.1 9.7 FL

+0.2 4.3 Par.

1023.6 +0.2 4.6

1023.6 0.0 4.6

1024.2 +0.6 4.0 5

1023.9 +0.3 4.3 11

1023.6 0.0 4.6 16

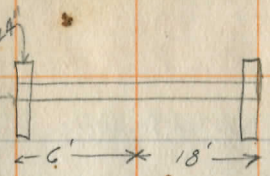
1023.9 +0.3 4.3 Par.

1018.7 -4.9 9.5 FL, dirt

4.3

2.5' from parapet to top of opening

2.6' from par. to top of opening



-1.1 5.2 25

-1.2 5.3 6

-0.2 4.3 3

0.0 4.1

+0.4 3.7 6

0.0 4.1 7

+0.1 4.0 12

-1.0 5.1 15

-1.3 5.4 21

-2.3 6.4 25

+1.2 0.7 25

+1.0 0.9 20

+0.4 1.5 6

0.0 1.9 4

0.0 1.9

+0.3 1.6 4

0.0 1.9 13

-0.3 2.2 14-15

+2.2 -0.3 20

+2.5 -0.6 25

+2.5 5.7 25

+2.0 6.2 17

-0.8 9.0 11

0.0 8.2 7

-0.4 8.6 3

0.0 8.2

0.0 8.2 2

-0.2 8.4 5

-0.1 8.3 13

+2.2 6.0 19

+2.3 5.9 25

+0.5 2.0 25

+0.3 2.2 14

-0.6 3.1 12

0.0 2.5

-0.3 3.5 4

-0.1 2.6 11

-0.4 2.9 12-14

+1.0 1.5 17

+1.8 0.7 25

-0.9 5.6 25

-0.2 5.4 17-13

-0.7 4.9 10

-0.2 4.7 8

0.0 4.7

+0.1 4.6 10

-0.1 4.8 14

+1.0 3.7 16

+1.8 2.9 12

-1.4 5.6 25

-1.7 5.9 22

-1.1 5.3 21

-0.4 4.6 17-15

-0.8 5.0 10

-0.5 4.7 8

0.0 4.2

-0.3 4.5 4

-0.1 4.3 11

+0.5 3.7 18

+1.1 3.1 21

+1.4 2.8 25

-0.7 5.3 25

-0.4 5.6 20

+0.3 4.9 16

-0.2 5.4 13

-0.6 5.2 10

0.0 5.2 9

0.0 5.2 3

-0.5 5.7 9

-0.4 5.6 13

+0.9 4.3 16

+1.5 3.7 25

-0.4 8.3 25

-0.1 8.0 19

+0.6 7.3 15

+0.3 7.6 9

-0.2 7.1 8

0.0 7.9

+0.1 7.8 3

-0.1 8.0 5

+0.2 7.7 11

-0.1 8.0 12

+1.1 6.8 14

+2.8 5.1 21

+2.5 5.4 25

-1.8 10.1 25

-0.8 9.1 15

-0.7 9.0 8

-0.2 8.5 5

0.0 8.3

+0.3 8.0 5

0.0 8.3 10

-0.3 8.6 14

+0.2 8.1 20-25

1033.5

1033.0 -2.4 10.7 27

1034.4 -1.9 9.9 FL 10

1034.9 -1.0 9.0 9

1035.4 -0.5 8.5 5

1035.6 0.0 8.0

1035.4 +0.1 7.9 4

1034.3

1034.8 0.0 8.0 11

-1.1 9.1 13-14

-0.6 8.6 15

1034.9 -0.5 8.9 25

about 3' skew make 90°

10 13

		1043	44		
261				8.5	34.9
262	6.94 (A.P. Sat. P.M.)	1043	80	6.58	1036.86
	10-24-22			8.5	35.3
263				7.8	36.0
264				5.1	38.7
+25				4.0	39.8
+50				4.0	39.8
265				5.8	38.0
+85				8.6	35.2
266				9.1	34.7
I.P.	2.20	1034	63	11.45	1032.35
267				2.2	32.4
268				5.1	29.5
269				5.0	24.4 ✓

-0.9 -1.0 -0.4 -0.6 -0.1 0.0 +0.2 -0.3 +0.2 -0.4 -0.2
9.4 9.5 8.9 9.1 8.6 8.5 8.3 8.8 8.3 8.9 8.7
25 19 13 7 5 4 5 11 14 25

spike in Ip. Lt. +0.3 -0.2 -0.4 0.0 0.0 -0.4 -0.2 -0.3 0.0
8.2 8.7 8.2 8.5 8.5 8.9 8.7 8.8 8.5
25 9 7 5 TO 14 19 25

+2.2 +1.2 +0.6 -0.1 0.0 +0.1 -0.1 +0.9 +1.3 +1.2
5.6 6.6 7.2 7.9 8.2 7.7 7.9 6.8 6.5 6.6
26 18 10 7 4 12 15 18 25

+2.6 +1.4 -0.2 0.0 +0.1 -0.2 +1.1 +1.0 +1.2
4.5 3.7 5.3 5.1 5.0 5.3 4.0 4.1 3.9
25 15 6 3 11 12 18 25

+2.6 +1.2 +0.8 -0.3 0.0 +0.1 -0.3 -0.5 +0.5 -0.4
1.4 2.8 3.2 4.3 4.0 3.7 4.3 4.5 3.5 4.4
25 20 12 6 2 3 11 12 25

+2.1 +0.8 -0.2 0.0 +0.2 -0.2 -0.4 +0.1 -0.1
1.9 3.2 4.2 4.0 3.8 4.2 4.1 3.8 4.1
25 13 6 3 5 11 12 25

+3.5 +1.5 -0.2 0.0 +0.1 -0.3 00 +0.8 +1.2 +0.6
2.3 4.3 6.0 5.8 5.7 6.1 5.8 5.0 4.6 5.2
25 17 5 3 2 10+12 13 18 25

+2.0 +0.5 -0.4 0.0 0.0 -0.2 +0.8 +0.9 +0.6
6.6 8.1 9.0 8.6 8.6 8.9 7.8 7.7 8.0
25 12 8 4 4 10 13 16 25

-3.0 -2.5 -0.5 0.0 0.0 +0.2 -0.2 -0.1 +0.5 +0.6 +0.7
12.1 11.6 9.6 9.1 8.9 8.3 9.2 8.6 8.3 8.2
25 17 11 5 3 5 TO 13 14 25

+0.5 0.0 -0.2 0.0 +0.1 -0.4 -0.2 +0.1 -0.6
1.7 2.2 2.2 2.1 2.6 2.4 2.1 2.2
25 10 5 3 1.0 4-14 16-22 25

+1.3 +1.2 +0.6 -0.2 0.0 +0.1 -0.2 -0.3 +0.7 +1.6
3.8 3.9 4.5 5.3 5.1 5.0 5.3 5.4 4.7 3.5
25 13 9 8 1-3 4 13 14 22-25

+1.8 +1.5 +0.3 +0.5 -0.1 -0.4 0.0 -0.1 -0.7 -0.3 +1.2 +2.1
6.2 6.5 7.7 7.5 8.1 8.4 8.6 8.1 8.4 8.3 6.8 5.9
25 22 18 14 11 3 7 11 15 25

		1034.63			
T.P.	2.98	1027	14	10.97	1024.16
					1026.03
B.M.	1.10	1027	13	1.10	1026.03
270				3.3	23.8
+ & Rd				3.9	23.2
				3.3	23.8
				4.2	22.9
				6.5	20.6
				3.4	23.7
				3.1	24.0
				3.4	23.7
				4.1	23.0
270+60				4.6	22.5
+70				4.4	22.7
271				7.3	19.8
+50				10.9	16.2
T.P.	1.49	1016	23	12.39	1014.14
272				5.5	10.7
				8.15	1008.08
T.P.	0.01	1013	5	12.72	1003.51

✓

Tin headed tack E. root 30" Maple 30' Lt. 269+92

Rt. → +0.3 +0.6 +1.5 +1.9 0.0 0.0 +0.9 +0.3 0.0 +0.3 +1.3
3.0/25 2.7/20 1.8/18 1.6/8 3.3/7 3.3/7 2.4/7 3.0/13 3.3/17 3.0/21 3.0/25 ← Lt.

& Rd — Take Lt ditch water to Lt.

30' Lt on & Rd

100' " " " "

200' " " " "

50' Rt. " " "

150' " " " "

200' " " " "

+0.4 -0.4 -0.1 -0.3 0.0 +0.2 +0.9 +0.6
4.2/25 5.0/21 4.7/17 4.9/13 4.6/7 4.4/7 3.7/9 4.8/12-25

+0.1 -0.4 -0.8 -0.4 +0.1 0.0 -0.1 +0.5 +0.2 +0.8 +0.2
4.3/25 4.8/15 5.2/19 4.8/16 4.3/7 4.9/7 4.5/8 3.7/10 4.2/14 3.5/11 4.2/25

+2.3
5.0 +2.8 +2.9 +1.7 +0.6 0.0 -0.6 +0.1 0.0 -0.6 -0.2 +2.2 +2.3 +2.6
4.5/23 4.4/20 5.2/15 6.9/19 7.3/10-8 7.9/7 7.2/2 7.3/5 7.9/8 7.5/7 5.1/10 5.0/13 4.7/25

+1.2 +1.6 +1.9 -0.3 -0.4 +0.2 0.0 -0.5 -0.3 +1.4 +4.1 +4.7
4.7/25 4.3/22 9.0/17 11.2/14-12 11.3/8 10.1/3 10.9/6 11.4/9 11.2/12 9.5/20 6.8 6.2/25

-0.2 +0.4 -0.5 -0.7 +0.1 0.0 +0.3 +0.1 +0.8 +3.8 +4.8
5.7/25 5.1/23-20 6.0/17-15 6.2/11 5.4/5 5.5/6 5.2/11 5.4/13 4.1/20 1.7 0.7/25

5, Car Watering Trough

		1003	52		
273				1.4	02.1
274				9.4	94.1
B.M.				7.46	996.06
T.P.	1.69	992	76	12.45	991.07
275				5.3	87.5
+593	end			9.6	83.2
				16.0	76.8 ✓

5.2

5.001

5250 | 59.001
21 | 5
26400
21 | 0
5250
5250
0000

+1.4 +1.1 -0.8 -0.6 -0.5 -0.1 0.0 -0.5 0.0 -0.9 00 +1.1 +2.4 +2.9
6.0 @3 2.2 2.0 1.9 1.5 1.4 1.9 1.4 2.3 1.4 0.3 -1.1 -1.5
25 18 14-13 12 5 3 1 3-5 8-9 12 13 17 19 25

+1.4 +1.1 -1.3 -0.9 0.0 -0.5 -0.7 -1.4 +2.4 +3.2 +3.5
8.0 8.3 10.7 10.3 9.1 5.3 10.1 10.8 7.0 6.2 5.9
25 14 11 9 1 5 7 10-11 17 22 25

nail in S.E. root 30" Elm Rt. Sta 274+10

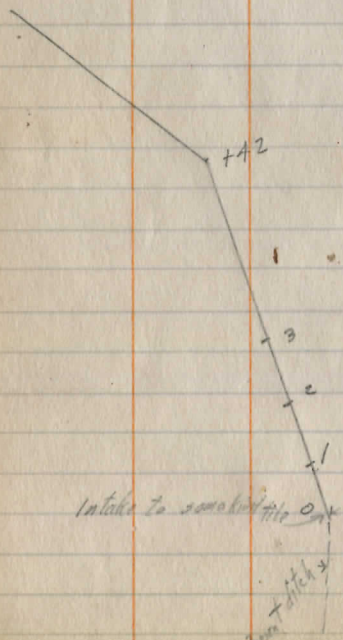
+1.7 +1.9 -1.1 -0.7 -0.5 0.0 0.0 -0.4 -0.3 -1.6 +2.1 +3.0 +3.3
3.6 3.4 6.4 6.0 5.2 5.2 5.3 5.7 5.6 6.8 3.2 2.3 2.0
25 14 10.9 8 2 1 3 7 10-11 15 17 25

+2.0 +2.4 -1.2 -0.7 -0.5 0.0 -0.7 -0.5 -1.6 -0.5 +3.0 +3.1
7.6 7.2 10.8 10.3 10.1 9.6 10.3 10.1 11.2 10.1 6.6 6.5
25 15 9 8 2 1 3 9 11 12 21 25

100' on

Prospective Drainage

B.M.	2.44	1306.65		1304.21	
53+20			5.6	01.1	0
			4.9	01.8	0+01
			5.0	01.7	100'
		℄	6.3	00.4	200'
			7.3	99.4	300
			8.5	98.2	300+82
			9.7	97.0	400
T.P.	3.07	103.01 82	7.90	1298.75	500
			8.7	93.1	500
			11.9	89.9	600 To fence & Pasture lot



	12.12	966.05		953.98	
	12.10	977.91	0.24	965.81	
			8.73	969.18	
	12.32	989.09	1.14	976.77	973.25
			8.74	980.35	973.85
			5.1	984.0	978.50
			1.82	987.27	980.77
Geauga Co. 275+00			2.2	986.9	
	11.18	1000.22	0.05	989.04	
			4.07	996.15	
274+00			6.3	993.9	
	11.78	1011.43	0.57	999.65	
273			9.6	1001.8	
272			0.6	1010.8	

July 14, 1926. Marks-Canfield. 48

Lake Co. B.M. #36 — Spike in root 30" Elm, 183+60 - 16'±. of ℄,

Lake Co. B.M. Elm, Corner +150'±, Right
Stake, 187+50, Marked 3'5" ↓
" 188+00 " 6'6" ↓
188+50 " 5'6" ↓
189 " 6'6" ↓
℄ Road,

(El. 996.96) Geauga Co. Survey B.M. Left of Sta. 274+10, Spike, S.E. Root — 30" Elm

	9.10	957.00		947.90	
~~183~~					
183			7.1	949.9	
	2.25	950.15	9.10	947.90	
182			7.0	943.2	
	1.08	939.57	11.66	938.49	
181			4.8	934.8	Stream Stake
180+50			13.2	926.4	
	3.03	930.54	12.06	927.51	
			7.32	923.22	
180			12.6	917.9	
	0.73	919.34	11.93	918.61	
179+70			1.0	918.3	
	5.86	915.48	9.72	909.62	
179+70			10.2	905.3	
179+50			12.2	903.3	
179			1.69	913.79	
	10.87	924.66			
	12.27	936.23	0.70	923.96	
178+50			7.2	929.0	

June 7, 1927, Marks - D. Parks - R. Hassel

B.M Spike in R.P. in Twin Cherry, Back of Swings in School Yard

9.2/4.0 3.9/2.8 4.1/1.8 8.3/7.4 7.5/11 7.1/0 7.0/7.5 7.2/10 1.0/20 0.5/30 0.0/40

4.2/45 4.2/35 8.5/26 7.6/24 6.7/13 6.6/2 7.0/0 5.7/3 1.5/11 1.0/32 1.5/40

10.2/0 5.8/3.8 4.2/31 5.4/26 5.2/6 5.7/4 5.2/3 4.8/0

T.P. Top of ℄ stake, 180+50
X on W. Corner, S. Ret. Wall (923.25 rec)

T.P. Top of ℄ stake, 180+00

12.2/9.0 12.2/0 6.0/60

Right End 20' Arch

Top ℄ stake

12.0/70 10.3/50 9.5/42 8.0/33 7.0/23 2.3/0 5.1/60

		936.23		
178+00			2.8	933.4
	11.91	947.74	0.40	935.83
177+56			6.0	941.7
	11.95	959.19	0.50	947.24
177			10.2	949.0
176+50			2.9	956.3
	11.38	969.81	0.76	958.43
176+50				
176			7.2	962.66
	10.53	976.74	3.60	966.21
176				

5.0 4.0 2.6 3.2 2.7 3.1 4.5 3.0 2.8 1.9 3.0
0 39 35 33 30.5 7.5 6 5 0 50 60

2.7 3.2 5.0 6.6 8.3 7.5 6.0 2.8 4.5 0.0 +3.0
50 45 37 8 3.5 2 0 5 27 40 50

4.5 5.0 9.5 8.4 9.0 10.2 5.7 0.0
50 35 30 23 1 0 6 60

0.0 2.3 3.3 2.3 2.9 3.0 3.7 2.1
24 19 17 15 0 7 9 12

5.9 5.3 8.3 7.6 5.1
50 31.5 15 35 50

1.8 6.2 7.8 7.0 7.2 7.5 9.2 7.3 0.2
21 10 7 6 0 7 9.5 16 25

0.5 1.7 6.6 5.8
50 28 35 50

181	1.1	935.9		934.8
	1.2	927.1	10.0	925.9
181				
180+50	0.8	927.2		926.4
180	1.0	918.9		917.9
179	5.4	919.2		913.8

1.1 / 0 — 1.4 / 9 — 10.0 / 22

6.9 / 31 — 9.0 / 35 — 12.9 / 60

0.8 / 0 — 11.0 / 17 — 13.0 / 50 Cr. Bank

1.0 / 0 — 9.3 / 12 — 13.1 / 16 — 14.5 / 20 — 12.9 / 44 — 50

10.0 Ret. Wall. — 5.4 / 0 — 3.9 / 6 — 5.2 / 26 — 5.8 / 50 — 1.2 / 60

July 28, 1927 Marks, D. Parks, Hassel

2.68	9/6.47	913.79	Top of ℄ Stake, Sta. 179+00
	6.47	910.00	Elevation Points Set.

Culverts

108+90 B.M.	9.58	1210.76		1201.18
120+70	1.25	1181.50		1180.25
146+35	5.22	1093.72	1088.50	
			7.82	1085.90
152+25	6.3	1094.3		1088.0
168+40	6.30	1127.24		1022.94
177+				

C04 53

May 17, 1928
Showers, W.C. Marks-D. Parks-C. Rand

Right of 114+90

1206.2 4.56 C1.0/30 1205.3 5.46 C2.0/30

May 18, 1928, Marks-Parks-Rand.

Slope Hub, Right 120+00

1173.9 7.6 C6.0/30 1171.6 9.90 C3.0/30

Right Slope Hub, 146+00
Inlet of 6" Drain Tile, 16' Right

1086.60 7.12 C2.0/30 1085.70 8.02 C3.0/30

Right Slope Hub, 152+00

1087.3 7.0 C1.0/30 C2.0/30 7.9 1086.4

May 28, 1928 Marks, Parks, Rand + Hassel
Bottom of S.E. corner boards, House Left, 169+15

1120.91 8.33 C1.0/30. 1121.59 7.65 C3.0/30.

18" Hillside Culvert 100' long.
Grades set to fit ground.

B.M.	5.77	1009.80	1004.03
195+60			
B.M.	2.87	1096.68	1093.81
209+94			
	5.16	1116.81	1111.65
215+45			
B.M	1.88	1125.37	1123.79

216+90 - 218+10 side Road Culvert.

Warm Sun
June 11, 1928 D. Parks R. Hassel C. Rand

N.E. Side — S.W. Side

Tin headed Tack, N.E. Root 18" Maple, 30'L Sta 194

1004.00 — F.S. 5.30 — H.I. 9.30 — C 3.5 / 30 — 1000.65 — F.S. 9.15 — H.I. 7.65 — C 1.5 / 30

N.E Side — S.W Side

Tin headed Tack, W Root 16" Maple R from Phone

1087.11 — F.S. 9.57 — H.I. 6.57 — C 3.0 / 30 — 1086.99 — F.S. 10.27 — H.I. 8.29 — C 2.0 / 30

Warm Sunny Wind.
June 13, 1928 D. Parks, R. Hassel, C. Rand

N.E. Side — S.W. Side

Slop Stake Rt Sta 215

1108.10 — F.S. 8.71 — H.I. 9.71 — C 3.0 / 35 — 1107.30 — F.S. 9.51 — H.I. 7.51 — C 2.0 / 35

N.E. Side

Tinheaded Tack, N. Root, 36" Ash L opposite Hitchcock Est.

1115.90 — F.S. 9.47 — H.I. 5.97 — C 3.5 / 10 FT to P.I.P.

1111.70 — F.S. 13.27 — H.I. 11.67 — C 2.0 / To P.I.P. Pipe

238+35 Concrete Extension to culvert
Headwall Stakes on both sides.

247+20 Concrete Extension to culvert
Headwall Stakes on both sides

252+76 Concrete Extension to culvert
Headwall Stakes on both sides

5.11 1041.11 1036.00

260+60

B.M. 1.51 1027.54 1026.03
269+93 Inlet. 1.84
270+60 Manhole 3.54
271+30 Outlet. 4.84

N.E. Side S.W. Side

Slope Hub R/Sta 261

1032.77 6.3R / 8.34 CBD 30' 1033.23 1.88 / 7.38 CB,S 30'

June 27, 1925 Marks, Parks, Rand, Hassel

B.B., Left 269+92.

1022.7 4.84 Cut 3.0 Stake 5' Right
1020.0 7.54 Cut 4.0 do
1014.7 12.84 Cut 8.0 do.

B.M. 4.86 1128.65/123.79

216+90 - 218+40 Side road culvert reset

1st Culvert N.W. of Chardon - Center on Chardon - Mentor - Road

4.4
1.7
6.1
8.55
9.20

Cloudy - Windy

June 30, 1928 D. Parks, C. Rand R. Hass
N.E. Std. 4th Headed tack, N root 36" Ash Lopposite Hillscock Est.

1115.90 8.75 / 12.70 C4.0 10 ft to End of Pipe

1111.70 13.95 / 16.95 C3.0 10 ft to End of Pipe

June 17, 1929 - Marks & Buckley
Fair, Warm.

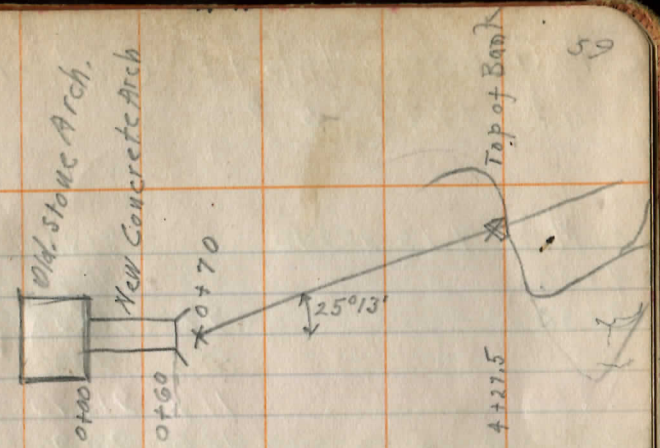
Sump, Diedrichs Cellar Floor
F.L. Inlet, 15" Vit. Pipe Culvert.
" " Outlet, " " " "
Lay 24" Corr. Pipe, making F.L. 9" Lower than F.L. of 15" Vit. Pipe

Fiedler + Payne — May 28th 1927

Sta	+ B.S.	H.I.	− F.S. & Elevation		L	R	Cut
B.M.	+6.20	916.50		"906.3" see page 31			
0			10.0	"902.5" ground	Nor R. end of arch Culvert		
					−2.6		+2.2
					8.5	5.9	3.7
					20.		20.
0+40			5.9	906.6			
					900 ±	−1.1	0 0	+2.0
					3.4	2 3	0.3
					20.		20.
1			2.3	910.2			
T.P.			−1.20	911.30			
	+12.15	923.45					
					−3.7	0 0	−0.1
					9.9		
2			6.2	917.3	911.33	6 2	6.3
					20.		20.
					−2.7	−0.7 0 0	+1.4
			2.6	920.9	914.00	5.3 2 6	12.4 6.9
T P			−1.21	919.89		3.3	
						20.	30.
	+9.43	931.67					
					−1.9	−0.3 0 0	−0.5
3+50			5.7	926.0	914.5	7.6 5 7	6.2 11.5
						30. 6.0	30.
						20.	−1.0
						0 0	
4			3.8	927.9	915.00	4.8 3 8	4.8 12.9
						30.	30.
					−0.8	0 0	−1.3
4+23			3.2	928.5 Top of Bank	915.23	4.0 3 2	4.5 13.3
			−11.76	919.91		25.	25.
					−0.1	0 0	+0.3
	+3.82	923.73					
4+36			4.4	919.3 Bottom Bk.	915.86	4.5 4 4	4.1 4.0
						20	20
					−2.0 −2.3	0 0 +2.1	+3.2
4+85			5.0	918.7	915.85	7.0 2.3 = ground in arch	2.9 1.8
					15	10. 5 0	5.1 20. × 2.5 2.8
					+1.0 +0.4	0 0 +6.2	
		0.7' of water	8.0 ground	915.7 intersect	6.0 2.6	8 0 1.7	F 0.4
5+10					10 5	15. × 2.5	
B.M.			−5.43	918.30 + small	notch in S. root of 14" Maple about 2.3 from center of Tree		
	31.60		19.60	906.30	Tree about 10' L. of 4+50		
	19.6						
	12.0			12.00			

From N. end of Arch, M'y to intersect Stream.

Sept. 19, 1927 Marks-D. Parks, Rand.



B. M., Left of 4+50

	6.12	924.42		918.30		
5+00					916.0	8.42
4+50					915.5	8.92
	13.30	931.60		918.30		
4					915.0	16.60
3+50					914.5	17.10
3					914.0	17.60
2+50					913.0	18.60
	0.18	919.66	12.12	919.48		
2					912.0	7.66
1+50					911.0	8.66
			9.65	910.01		
1					907.0	12.66
0+70					904.0	15.7

C1.5 / 0

C3.5 / 9.5	C3.9 / 0	C4.0 / 10.0
C12.5 / 18.5	C12.6 / 0	C12.2 / 18.2
C10.4 / 16.4	C10.8 / 0	C10.9 / 16.7
C6.3 / 12.3	C6.9 / 0	C7.8 / 13.8
C5.5 / 11.5	C5.5 / 0	C5.7 / 11.7
C5.2 / 11.2	C5.2 / 0	C5.2 / 11.2
C4.4 / 10.4	C5.0 / 0	C5.5 / 11.5

Rec. 910.00 Stake on Walnut Tree, N. of Culvert

C4.5 / 10.5	C4.9 / 0	C6.8 / 12.8
	C5.9 / 0	

Nov. 15, 1927 Marks-Richey

℄ Grades, Inlet to Culvert at 179+45.7

			Grade	Grade	Rod	Cut
B. M.	7.15	925.45		918.30		
4+00			8.8	916.65	915.00	10.45 1.6
3+50			9.9	915.55	914.50	10.95 1.0
3			10.9	914.55	914.0	11.45 0.5
2+50			11.7	913.75	913.0	12.45 0.7
2			12.5	912.95	912.0	13.45 0.9
1+50					911.0	

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 in.
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	2.05.0	30	4.95.0	50	8.25.0	70	11.55.0	90	14.85.0
11	2.21.6	31	5.11.6	51	8.41.6	71	11.71.6	91	15.01.6
12	2.38.0	32	5.28.0	52	8.58.0	72	11.88.0	92	15.18.0
13	2.54.6	33	5.44.6	53	8.74.6	73	12.04 6	93	15.34.6
14	2.71.0	34	5.61.0	54	8.91.0	74	12.21.0	94	15.51.0
15	2.87.6	35	5.77.6	55	9.07 6	75	12.37.6	95	15.67.6
16	3.04.0	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