

LEVELS
ANOKA CUTOFF

From
Sta. 172+00
To
Sta. 837+841

RAMSEY COUNTY PROJ. N°26-62
Road $\frac{1}{2}$ N°93
FILE N°5

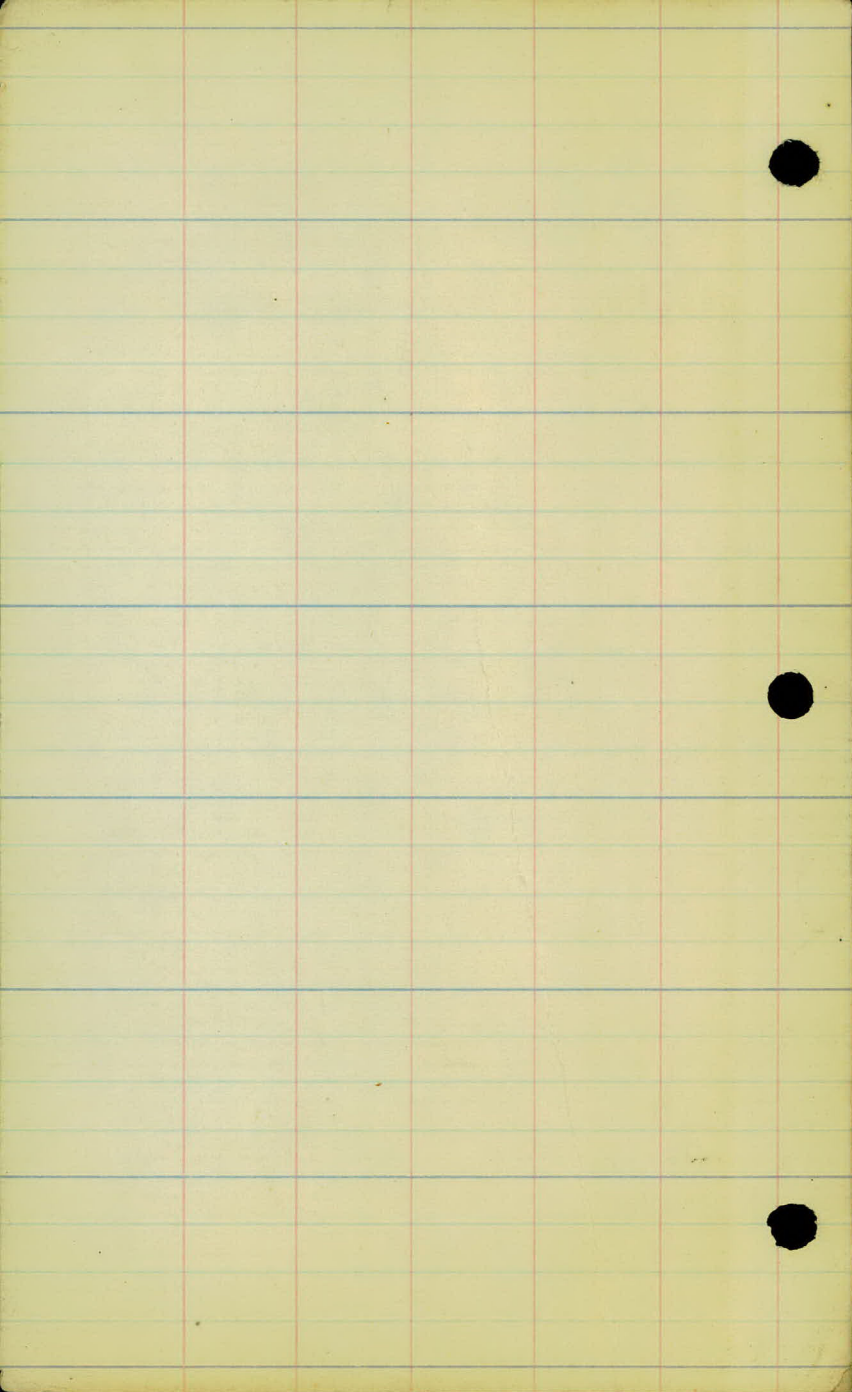
Office of Ramsey Co. Engineer
ST. PAUL, MINN.

Date Filed 6-8-26

File No. 5

LEVELS

ST. PAUL-ANOKA



RAMSEY COUNTY
ST PAUL - ANOKA SURVEY

"H" LINE

LEVEL NOTES

Sta-172+00.37 to

P. R. Banister - Asst. Engr.
P. Crane - Level

Sta.	+	H.I.	-	Rod	Elev.
B.M.	1.05	921.95		921.90	
172				8.1	914.9
+50				7.6	915.4
173				6.8	916.2
+50				6.4	916.6
+54				3.8	919.2
174				2.5	920.5
+50				1.6	920.4
175				2.9	920.1
+45				3.7	919.3
+85				3.9	919.1
176				3.2	919.8
T.P.	6.48	927.21	2.22	920.73	
+50				4.8	922.4
177				3.6	923.6
+50				3.3	923.9
178				5.4	921.6
+55				7.1	920.1
179				4.9	922.3
+35				5.4	921.8
180				7.0	918.2
+01				7.3	917.9
+45				10.3	916.9
181				7.2	920.0
+50				9.9	917.3
182				10.2	917.0
T.P.	8.02	926.05	9.18	918.03	

12/15/24

H. Line.

①

Spk in 18" Oak. 35' H. Sta. 194+00. on H' Line.

Sta.	+	H.I.	-	Rod.	Elev.
		926.05			
	+35			10.1	916.0.
183				7.7	918.4.
	+65			7.0	919.1.
184				5.7	920.4.
	+50			4.4	921.7.
185				5.1	921.0.
	+50			3.4	922.7.
186				1.9	924.2.
T.P.	4.79	922.82	1.02	925.03	
	+50			5.9	923.9.
	+88			5.4	924.4.
	+92			7.1	922.7.
187				6.9	922.9.
	+02			6.7	923.1.
	+05			5.7	924.1.
	+45 ^u			3.7	924.1.
	+60			3.7	924.1.
	+68			3.3	924.5.
T.P.	1.40	927.35	3.87	925.95	
	+92			0.6	926.8.
188				0.9	926.5.
	+30			3.5	923.9.
	+50			5.4	922.0.
189				7.7	919.7.
	+50			9.4	917.8.
T.P.	4.59	922.37	11.51	915.84	

H. Line

12/18/24

(2)

Sta.	+	H.I.	-	Rod.	Elev.
		922.37			
170				8.0	914.4.
+50				7.6	912.8.
171				10.3	912.1.
+50				11.7	910.7.
172				11.5	910.9.
+13 ⁰				11.5	910.9.
B.M.	5.11	925.31	2.17	920.20	920.20.
T.P.	3.89	917.88	11.32	913.77	
+50				6.2	911.7.
+65				5.7	912.2.
+75				5.1	912.8.
+85				5.1	912.8.
173				5.7	912.2.
+35				7.1	910.8.
+65				7.2	910.7.
174				6.3	911.4.
+20				6.7	911.2.
+50				8.4	909.5.
+80				7.5	908.4.
175				3.8	909.1.
+47 ²				6.1	911.8.
+75				6.1	911.8.
176				7.4	910.5.
T.P.	6.04	917.40	6.52	911.36	
+35				8.9	908.5.
+55				8.2	909.2.

H. Line.

12/10/24

(3)

On top of concrete wall 67 ft. Sta. 186+63 on H' Line.

Sta.	+	H.I.	-	Red	Elev.
		917.40			
197				4.5	912.9.
	+40			4.0	913.4.
	+50			4.7	912.7.
198				7.1	910.3.
	+47 ⁰			8.6	908.8.
199				6.8	910.6.
	+50			4.7	912.7.
200				3.0	914.4.
	+50			2.8	914.4.
201				3.5	913.9.
	+30			4.6	912.8.
	+35			5.2	909.2.
202				8.8	908.6.
B.M.				3.83	913.57 ✓
T.P.	0.83	909.54 ✓	8.69	908.71 ✓	
	+50			1.4	907.9.
203				2.4	907.1.
	+50			3.0	906.5.
	+77 ⁰			3.4	906.1.
204				3.7	905.6.
	+90			6.3	903.2.
205				7.5	902.0.
	+12			7.5	902.0.
	+50			9.7 ✓	899.8.
T.P.	1.43	899.79 ✓	11.18	898.34	
204				2.4	897.4.

H. Lind

12/10/24

(4)

SpK in 12" cell. 50 174. Sta. 202 + 50.

Sta.	+	H.I.	-	Rod	Elev.
		899.79			
	+50			4.3	895.5
207				6.5	893.3
	+50			8.5	891.3
	+65			8.9	890.9
	+80			10.4	889.4
208				11.6	888.2
	+34 ²			11.9	887.9
209				12.0	887.8
	+50			9.1	890.7
	+80			8.1	891.7
210				6.3	893.5
	+50			4.0	895.8
	+70			4.3	895.5
	+75			5.4	894.4
	+90			5.4	894.2
211				6.7	893.1
	+15			7.9	891.9
	+50			11.8	888.8
T.P.	0.50	889.49	10.80	888.99	888.0
	+75			5.4	883.9
212				8.1	881.4
	+50			7.4	880.1
213				7.4	880.1
	+50			7.2	880.3
214				7.0	880.5
	+50			8.2	881.3

H. Line

12/10/24

(5)

Sta.	+	H.I.	-	Red.	Elev.
		889.49			
	+80			5.1	884.4
215				4.1	885.4
	+50			3.8	885.7
	+70			5.4	884.1
216				7.1	882.3
	+35			7.1	880.2
	+65			7.1	880.2
	+70			7.5	882.0
	+85			5.4	883.9
217				4.9	884.6
B.M.	6.89	896.09	0.19	889.20	
	+50			10.8	885.3
218				6.7	889.4
	+50			2.0	894.1
	+75			0.7	895.4
219				3.0	893.1
	+50			6.7	889.4
220				7.1	889.0
	+50			5.4	890.5
221				4.6	891.5
	+50			4.2	891.9
	+75			2.7	893.4
T.P.	10.95	905.17	1.87	894.22	
222				7.2	898.0
	+25			5.3	899.7
	+50			4.0	899.2

H. line

12/19/24

(6)

Spk. in 14" Oak 60' Bl. Sta 217+07.

Sta.	+	H.I.	-	Red.	Elev.
		905.17			
223				5.0	900.2
+50				2.1	903.1
+70				0.8	904.4
224				1.5	902.7
+40				1.6	903.6
T.P.	11.36	915.52	1.01	904.14	
+75				7.4	907.9
225				4.9	910.6
+40				1.9	913.6
T.P.	11.35	924.18	0.67	914.83	
+60				9.4	916.8
226				1.8	924.4
T.P.	6.84	932.08	0.94	925.24	
+25				4.0	928.1
+72 ⁰				1.8	930.3
227				2.7	929.4
+35				4.5	927.6
+50				5.9	926.2
+90				10.4	921.5
228				11.8	920.3
+15				11.9	920.2
+50				7.9	924.2
+75				8.6	923.5
229				11.7	920.4
T.P.	0.29	921.47	10.90	921.18	
+50				8.3	913.2

H. Line

12/14/24

(7)

Sta.	+	H.I. ✓	-	Red	Elev.
		921.47			
T.P.	0.44	911.87 ✓	10.04	911.43 ✓	
230				7.3	904.6
B.M.	2.63	903.51 ✓	10.99	900.88 ✓	
+50				10.2	893.3
+85				12.0	891.5
231				10.5	893.0
+34				5.6	897.9
+50				4.6	898.9
232				1.5	902.0
+15				0.4 ✓	902.9
T.P.	10.95	913.99 ✓	0.52	902.99 ✓	
+25				8.5	905.4
+65				2.5	911.4
+85				0.8	913.1
+90				1.5	912.4
233				2.9	911.0
+10				3.7	910.2
+50				2.3	911.6
+80				2.1	911.8
234				4.6	909.3
+50				6.5 ✓	907.4
T.P.	3.07	911.07 ✓	5.94	908.00 ✓	
+72				4.1	907.0
235				4.0	907.1
+30				4.1	907.0
+60				7.2	903.9

12/11/24

(8)

H. Line

SpK in 12" OnK. 50' H. Sta. 230 + 20.

Sta.	+	H.I.	-	Red.	Elev
		911.07			
T.P.	4.77	904.79	11.05	900.02	
+72				9.3	895.5.
236				12.7	892.1.
+50				13.2	891.4.
237				13.3	891.5.
+55				12.0	892.8.
+75				5.2	899.6.
238				2.4	902.4.
T.P.	11.13	915.24	0.66	904.13	
+35				9.2	906.1.
+50				6.8	908.5.
+60				5.2	910.1.
+70				5.0	910.3.
+75				1.7	912.9.
T.P.	11.04	926.04	0.24	915.00	
239				9.6	916.5.
+35				3.9	922.2.
+50				3.3	922.8.
+75				3.4	922.5.
240				2.2	923.9.
+35				2.8	923.3.
+70				5.3	920.8.
241				4.0	922.1.
+11				2.4	923.5.
+18				4.4	921.5.
+50				3.0	923.1.

H. Line.

12/11/24

(9)

Sta.		H.I.		Red.	Elev.
	+	924.06	-		
+50				0.9	925.2
B.M.	7.20	932.67	0.59	925.47	
242				10.0	922.7
+50				11.5	921.2
+70				7.4	925.1
243				1.0	931.7
T.P.	7.25	941.66	0.24	932.41	
+40				2.8	938.9
+50				2.4	939.3
244				2.5	939.2
+25				3.7	938.0
+50				4.5	935.2
T.P.	2.17	938.97	4.84	936.50	
+85				9.1	929.9
245				9.3	929.7
+50				9.1	929.7
246				9.1	929.8
+50				9.2	929.8
247				6.0	933.0
+50				4.2	935.8
+55				3.4	935.4
+65				4.1	934.8
248				2.2	936.8
T.P.	10.17	947.50	1.64	937.33	
+25				8.4	939.1
+50				6.9	938.6
249				6.1	941.4

934.8

934.9

H. Line

Spk. in 20" Oak 50' H. Sta. 241+95.

Nail in stump 40' H. Sta. 244+50.

Sta.	+	H. I.	-	Red	Elev.
		947.50			
	+50			3.2	944.3
250				4.6	942.9
	+50			6.5	941.0
251				9.2	938.3
	+50			12.5	935.0
252				14.1	933.4
	+55			12.0	935.5
T.P.	5.15	942.24	10.41	937.09	
253				4.7	937.3
	+25			3.6	938.6
	+35			4.7	937.5
	+38			3.7	938.5
254				2.7	939.5
	+60			4.3	937.9
255				5.4	936.8
B.M.				1.28	940.96
	+50			11.0	931.2
T.P.	1.11	933.31	10.04	922.20	
B.M.	1.58	929.72	4.97	928.34	928.30
256				4.0	925.9
	+50			8.2	921.7
	+52			9.2	920.7
	+55			9.2	920.7
	+57			8.3	921.6
	+76 ^b			7.8	922.1
	+90			8.9	921.0

H. Line

12/12/24

(11)

Spk. in 15' Oak. 40' Rt. Sta. 259 + 85.

Spk. in Oak 11 Sta. 131 + 00 State L' Line.

17.					Rt.	
<u>12.9</u>	11.4	<u>9.8</u>	5.8	<u>3.7</u>	1.4	
150	100	50	50	100	150	

Sta.	+	H. I.	-	Red	Elev.
		929.97 ✓			
	0.82	921.60	7.14	920.78	
257				3.9	917.7
	+50			7.4	914.0
258				8.8	912.8
	+50			8.2	913.4
259				7.0	914.6
	+50			4.8	916.8
260				3.2	918.4
T.P.	3.77	924.81	0.74	920.84	
	+50			2.3	922.5
	+80			0.3	924.5
261				0.9	923.9
	+50			3.1	920.7 921.7
262				5.4	919.2
	+50			2.7	915.1
263				14.7	910.1
	+70			16.0	908.8
T.P.	1.10	916.14	9.95	915.04	
264				4.5	911.7
	+28			3.5	912.7
	+50			6.4	909.4
T.P.	0.51	905.24	11.34	904.82	
265				3.5	901.8
	+50			7.5	895.8
	+75			10.2	895.1
266				8.2	897.1

(12)

Sta.	+	H.I.	-	Red.	Elev
		905.34 ✓			
+30				5.3	900.0.
B.M.				2.42	895.92 ✓
+40				3.8	901.5.
+82				6.5	898.8.
267				7.7	895.6.
+11				12.5	892.8.
+15				14.4	890.9.
+20				12.3	893.0.
+40				3.0	897.3.
T.P.	8.68	912.21 ✓	1.81	903.53 ✓	
+60				4.8	907.4.
T.P.	9.91	920.78 ✓	1.34	910.87 ✓	
+66				3.5	918.3 912.3
+72				4.3	916.5.
+76 ^s	Top of Rail			3.45	917.33.
+81 ^s	" " "			3.42	917.36.
+72 ^o	" " "			3.14	917.67.
+77 ^o	" " "			3.11	917.67.
268				3.8	917.0.
+65				5.2	915.6.
T.P.	1.34	911.95 ✓	10.17	910.61 ✓	
T.P.	1.24	901.88 ✓	11.33	900.62 ✓	
T.P.	1.48	891.90 ✓	11.46	890.42 ✓	
+40				0.4	891.3.
+50				3.0	888.9.
269				4.9	887.0.

12/15/24

(13)

H. Line.

Spk in Oak 20 Lts Sta 266 + 40.

LT			(3.48)		RT	
4.58	4.29	3.77		2.86	1.26	1.60
300	100	100		100	200	300
4.59	4.33	3.78	(3.14)	2.43	1.86	1.53
300	100	100		100	200	300

Sta.	+	H.I.	-	Red.	Elev.
		891.90			
	+30			5.1	886.8
	+50			7.2	884.7
	+70			8.7	883.2
270				9.1	882.8
	+50			9.0	882.9
	+75			8.4	883.3
271				5.8	886.1
	+12			4.7	887.2
	+25			5.1	886.8
	+50			7.4	884.5
272				9.9	882.0
	+43			9.6	882.3
	+50			8.8	883.1
	+65			7.1	884.8
273				5.1	886.8
	+29			1.9	890.0
T.P.	4.62	874.46	2.06	889.84	
	+37			3.7	890.8
274				1.4	892.9
	+25			0.6	893.9
	+50			1.5	893.0
275				8.1	886.4
	+50			12.9	881.6
	+60			13.4	881.1
	+64			14.1	880.4
276				15.3	879.2

12/16/24

(14)

Sta.	+	H.I.	-	Rod	Elev.
		894.46			
+50				14.9	879.6
277				12.4	882.1
+50				8.7	885.8
278				3.1	891.4
T.P.	6.07	897.51	3.02	891.44	
+50				2.0	895.5
279				1.4	896.1
+12				2.4	895.1
+50				8.3	889.2
T.P.	1.07	887.10	11.48	886.03	
280				5.0	882.1
+12				6.4	880.7
+50				8.2	878.9
281				7.6	877.5
+50				7.7	877.2
B.M.	1.23	883.48	4.65	882.45	
282				6.3	877.4
+50				6.6	877.1
283				7.1	876.6
+50				7.2	876.5
284				7.1	876.6
+10				7.2	876.5
+24				8.8	874.9
+31				8.0	875.7
+35				6.9	876.8
285				6.9	876.8

12/16/24

(15)

H. Line

Spk. in Twin Oak. 150 ft. Sta. 251750.

Sta.	+	H.I.	-	Red.	Elev.
		883.68			
	+50			6.5	877.2
286				5.8	876.9
					877.9
T.P.	7.39	886.06	5.01	878.67	
	+50			8.0	878.1
287				7.2	878.9
	+50			5.5	880.6
	+75			4.5	881.6
288				4.2	881.9
	+50			6.0	880.1
289				7.4	878.7
	+50			8.4	877.7
290				7.2	877.9
	+50			8.7	877.4
291				8.4	877.7
T.P.	5.80	884.39	7.47	878.59	
	+41			6.7	877.7
292				7.0	877.4
	+50			7.2	877.2
293				7.3	877.1
	+50			7.2	877.2
294				7.0	877.4
	+50			5.4	878.0
					879.0
295				3.5	880.9
B.M.	4.29	886.96	1.72	882.67	
	+35			4.1	882.9
T.P.	8.80	894.77	0.97	885.97	

12/16/24
16

H. Line

SpK in 12" Oak 50 H. Sta. 294+75.

Sta.	+	H.I.	-	Rod.	Elev.
		874.77			
	+75			6.1	888.7.
296				2.2	891.6.
	+25			0.6	894.2.
	+50			1.4	893.4.
	+65			2.3	892.5.
297				6.3	888.5.
	+50			11.5	883.3.
T.P.	1.66	884.73	11.70	883.07	
298				2.8	881.9.
	+50			4.2	880.5.
299				6.5	878.2.
	+50			7.2	877.5.
300				7.5	877.2.
	+50			7.6	877.1.
301				6.8	877.9.
	+50			4.8	877.9.
302				1.4	883.3.
T.P.	8.50	893.01	0.12	884.51	
	+50			5.6	887.4.
303				4.2	888.8.
	+25.			3.1	889.9.
	+50			5.5	887.5.
	+58			5.4	887.6.
	+68.			7.7	885.1.
304				8.5	884.5.
	+50			11.2	881.8.

12/16/28

H. Line

(17)

Sta.	+	M.I.	-	Red	Elev.
		893.01			
T.P.	0.72	889.70	4.03	888.98	
305				11.1	878.6
B.M.	0.85	885.15	5.40	884.30	
+50				7.2	878.0
306				7.6	877.6
+50				7.4	877.8
307				7.0	878.2
+77				5.9	879.3
+53				4.7	880.3
308				4.0	881.2
+15				3.3	881.9
T.P.	9.88	895.72	1.31	883.84	
+50				6.6	887.1
309				3.2	890.5
+50				2.8	890.9
310				4.5	889.2
+46				6.5	887.2
T.P.	1.64	887.08	8.28	885.44	
311				2.3	884.8
+50				3.4	883.7
312				3.5	883.6
+50				2.3	884.8
+55				1.3	885.8
313				5.2	881.9
+50				5.9	881.2
+70				6.3	880.8

12/17/24

H. L. Linn.

(18)

Spk. in 16" Oak. 20 H. Sta. 305 + 03.

Sta.	+	H.I.	-	Red.	Elev.
		887.08			
314				8.2	878.9.
+50				9.6	877.5.
315				9.9	877.2.
T.P.	4.12	883.55	7.65	879.43	
+50				6.5	877.1.
316				6.1	877.5.
+81				5.1	878.5.
B.M.	5.66	887.17	2.02	881.53	
317				8.7	878.5.
+50				8.5	878.7.
318				8.1	879.1.
+50				7.1	880.1.
319				5.9	881.3.
+50				3.5	883.7.
320				3.4	883.8.
+50				3.7	883.5.
321				4.6	882.4.
+50				5.2	882.0.
322				5.3	881.9.
+50				6.2	881.0.
323				7.2	880.0.
T.P.	9.13	889.97	4.35	880.84	
+50				11.9	878.1.
324				12.2	877.8.
+50				10.4	879.4.
+70				9.8	880.6.

12/17/24

(19)

H. Line.

Spk in 15" Oak. 50 ft. Sta. 317 + 10.

Sta.	+	H.I.	-	Red	Elev.
		889.97			
+83	2 of Farm Rd.			7.9	882.1.
325				6.4	883.4.
T.P.	5.12	890.45	4.94	885.03	
T.P.	10.97	900.07	1.35	889.10	
+50				7.0	893.1.
T.P.	11.19	910.52	0.94	899.13	
326				10.8	899.7.
+50				11.3	899.2.
327				7.9	902.4.
B.M.				6.76	903.76
+15				6.6	903.9.
+50				17	908.4.
T.P.	16.11	919.61	1.02	909.50	
328				3.2	916.4.
+25				1.6	918.0.
+50				4.0	915.4.
329				6.8	912.8.
+50				7.2	911.8.
+85				7.6	911.8.
330				7.1	910.5.
+27				12.6	907.0.
+65				12.6	907.0.
331				10.8	908.0
+50				9.4	910.2.
T.P.	4.71	915.03	7.27	910.32	
332				3.2	911.8.

908.8

12/22/24

(20)

H. Lino.

Spk in 15" Box Elder - 185 Lt. Sta 327+00

Sta.	+	H.I.	-	Red.	Elev.
		915.03			
	+50			3.7	911.3
333				3.8	911.2
	+50			4.9	910.1
334				7.0	912.0
	+25			8.8	906.2
	+40			11.1	903.9
T.P.	0.54	904.88	11.19	903.84	
T.P.	0.97	894.36	10.99	895.19	
	+77			2.2	892.2
335				5.5	888.9
	+50			5.9	888.5
	+70			6.7	887.7
336				8.6	885.8
	+50			9.3	885.1
337				10.1	884.3
	+50			10.1	884.3
338				10.0	884.4
	+50			9.8	884.6
339				5.9	885.5
T.P.	11.19	896.93	8.62	885.74	
	+50			9.3	887.4
340				9.4	889.3
	+50			5.7	891.2
341				4.8	892.1
	+50			2.9	894.0
342				1.6	895.3

908.0

12/22/24

(21)

H. Line

Sta.	+	H.I.	-	Red	Elev.
		896.93			
B.M.	7.35	903.02	1.24	895.67	
	+40			4.7	896.3
	+43			7.9	895.1
	+47			8.0	895.0
	+50			7.0	896.0
343				7.4	895.4
	+50			9.0	894.0
344				7.7	895.3
	+50			3.2	899.8
345				4.1	898.9
	+45			2.9	900.1
T.P.	11.18	913.84	0.34	902.64	
346				6.4	907.4
	+50			1.6	912.2
T.P.	8.51	920.96	1.39	912.45	
347				4.5	916.5
	+50			1.4	919.4
	+55			1.2	919.8
348				5.7	915.3
	+25			10.2	910.8
	+50			11.1	909.9
	+60			11.5	909.5
	+43			12.0	909.0
349				11.0	910.0
	+50			7.1	913.9
350				2.3	918.7

H. Line.

12/22/24

(22)

Spk in Car Fence Post 3' 174.579 143 + 55

Sta.	+	H.I.	-	Red.	Elev.
		920.94			
T.P.	2.77	923.15	0.58	920.38	
+50				1.9	921.3
+65				3.0	920.2
351				7.8	915.4
+50				7.9	913.3
+75				10.1	913.1
352				11.2	912.0
+50				10.7	912.5
353				10.1	913.1
+50				9.5	913.7
354				7.7	915.5
T.P.	2.10	918.48	6.77	916.38	
+50				1.5	917.0
355				0.7	917.8
+50				0.9	917.8
356				1.8	916.7
+50				4.2	914.3
357				9.8	908.7
T.P.	1.35	908.41	11.42	907.04	
+50				4.7	903.7
+60				5.4	902.8
+67				7.2	901.2
358				9.9	898.5
+50				12.2	896.2
359				12.3	896.1
+50				12.1	896.3

H. Line.

12/23/00

23

Sta.	+	H.I.	-	Red.	Elev.
		908.41			
360				12.4	896.0
+50				11.8	896.6
+85				10.5	897.9
361				8.3	900.1
T.P.	10.62	917.27	1.74	906.65	
+50				8.0	909.3
362				3.1	914.3
T.P.	6.91	923.81	0.37	916.90	914.2
+50				5.0	918.8
363				5.1	915.7
+50				7.5	916.3
364				5.0	918.8
+50				3.9	919.9
365				2.9	920.9
+50				2.3	921.5
366				3.7	920.1
+50				7.3	916.5
367				9.2	914.6
+25				10.8	913.0
T.P.	0.35	912.52	11.44	912.17	
+50				3.4	909.1
368				7.8	904.7
+12				7.6	904.9
+15				7.3	905.2
+20				11.8	900.7
+23				11.5	900.7

H. Line

12/22/22

24

Sta.	+	H.I.	-	Rod.	Elev.
		912.52			
	+27			7.1	905.4
	+50			9.0	903.5
369				6.3	906.2
	+50			2.4	910.1
T.P.	10.79	922.37	0.94	911.58	
370				4.4	918.0
	+22			1.5	920.9
	+50			2.1	920.3
371				2.9	919.5
	+50			0.1	921.6
T.P.	2.14	924.06	0.45	921.92	
372				1.9	922.2
	+25			2.5	921.6
	+55			5.1	919.0
373				4.3	917.8
	+50			4.3	917.8
	+88			7.0	917.1
	+90			6.2	917.9
374				5.8	918.3
	+12	Center of Co. M. Co.		5.2	918.9
B.M.	9.45	927.30	4.21	917.85	
	+25			7.1	918.2
	+31			7.2	920.1
	+51			4.2	923.1
375				5.0	922.3
	+50			5.3	922.0

H. Line.

12/23/24

(25)

<u>12.1</u>	<u>8.5</u>	<u>3.6</u>	<u>2.5</u>
200	100	100	200

{ State B.M. 50' H.S to 341 + 00 on H. Line. Elev. 917.76
{ Spk in T.P. 55' H. Sta 374 + 25 H. Line Elev. 917.85.

Sta.	+	H.T.	-	Rod	Elev.
		927.30 ✓			
374				6.2	921.1
+35				8.5	918.8
+55				10.7	916.6
377				12.0	915.3
+50				12.8	914.5
378				10.1	917.2
T.P.	1.13	918.49 ✓	7.94	917.36 ✓	
+50				3.5	915.0
379				4.5	914.0
+25				7.9	913.6
+40				3.4	914.9
+48				4.5	914.0
+50				6.6	911.9
+62				6.8	911.7
+64				5.0	913.5
380				5.2	913.3
+04				5.6	912.9
+10				8.0	910.5
+47	Center of Road.			6.1	911.4 912.4
+72				6.4	911.9
+79				1.2	914.3 917.3
381				1.7	914.8
+50				3.1	915.4
382				5.8	912.7
+50				7.1	911.4
T.P.	7.54	917.45 ✓	6.38	912.11 ✓	

H-Line.

12/23/20

(26)

$\frac{2.5}{150}$	$\frac{3.7}{100}$	$\frac{5.4}{50}$	$\frac{7.5}{50}$	$\frac{9.4}{100}$	$\frac{10.8}{150}$
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Sta.	+	H.I.	-	Red.	Elev.
		919.65			
383				6.7	913.0.
+50				7.3	912.4.
384				8.6	911.1.
+50				8.0	911.7.
385				3.7	916.0.
+50				1.0	918.7.
T.P.	3.10	922.17	0.58	919.07	
386				2.3	919.9.
+50				3.7	918.5.
387				3.4	918.8.
+50				3.0	919.2.
388				3.6	918.6.
+50				5.0	917.0.
389				6.4	915.8.
+50				8.6	913.6.
390				10.1	912.1.
+50				11.4	910.8.
T.P.	1.06	912.02	11.21	910.74	
388				2.5	909.5.
391				4.5	907.5.
+50				10.2	901.8.
392				12.1	899.9.
T.P.	8.04	908.99	11.35	900.67	
+50				8.7	900.0.
393				7.3	901.4.
+50				6.8	901.9.

H. Line.

12/23/24

(27)

Sta.	+	H. I. ✓ 908.73	-	Red	Elev.
394				2.3	901.4
+50				8.4	900.3
+50				9.2	899.5
+75				9.2	899.5
395				7.5	901.2
+50				4.3	904.4
394				2.0	906.7
T.P.	10.47	918.43	0.77	907.94	
+50				10.4	907.8
397				8.7	909.7
+50				7.3	911.1
398				6.0	912.4
+50				4.5	913.9
13.M.				7.75	910.68
399				3.3	915.1
+50				2.3	916.1
400				1.3	917.1
+50				0.9	917.5
401				1.1	917.3
T.P.	2.24	917.70	0.97	917.44	
+50				1.8	917.8
402				4.7	915.0
+50				7.1	912.6
403				5.6	911.5
+50				8.4	911.3
404				9.4	910.3

12/23/24

28

Hiline.

spk in 6" Poplar 170 ft. Sta. 198 + 10.

Sta.	+	H.I.	-	Rod.	Elev.
		919.70			
	+15			9.5	909.9
	+15			10.8	908.9
	+50			11.9	907.8
T.P	1.51	910.32	11.19	908.51	
405				3.1	907.2
	+50			3.4	906.9
406				3.8	906.5
	+50			4.7	905.6
407				4.9	905.4
	+50			5.0	905.3
408				4.9	905.4
	+50			5.0	905.3
409				4.9	905.4
	+50			5.3	905.0
410				5.4	904.7
	+50			5.2	905.1
411				4.3	906.0
T.P	1.73	908.53	3.52	906.70	
	+50			3.9	904.6
412				3.9	904.6
	+50			2.2	906.3
413				2.1	906.4
	+50			3.0	905.5
414				4.0	904.5
	+50			5.7	902.8
415				7.9	900.6

H. Line.

12/23/24.

(29)

Sta.	+	H.I.	-	Rod.	Elev.
		908.53			
	+50			2.7	899.4
414				10.8	892.7
T.P.	0.35	897.78	11.10	897.73	
	+50			3.1	894.7
417				5.7	892.1
	+50			7.1	890.7
418				7.2	890.6
	+50			7.3	890.5
419				7.2	890.6
B.M.				7.05	890.73
	+35			6.6	891.2
420				5.0	892.8
	+50			3.8	894.0
421				3.9	893.9
	+50			6.3	891.5
422				7.7	890.1
	+50			7.5	890.3
423				6.6	891.2
T.P.	7.96	899.29	6.45	891.33	
	+50			6.8	892.5
424				6.3	893.0
	+08			4.0	893.3
	+15			4.9	894.4
+35		Center of Cleveland Ave.		4.0	895.3
+60				5.5	893.8
+72				9.4	889.9

Hikine.

12/23/24

(30)

Spk in 20" Poplar 136 ft Sta 419 + 35.

$\frac{1.3}{100}$

$\frac{2.8}{100}$

$\frac{5.0}{100}$

$\frac{4.7}{200}$

Sta.	+	H.T.	-	Red.	Elev.
		899.29			
425				9.8	889.5
	+50			10.3	889.0
426				10.7	888.6
	+50			11.0	888.3
427				10.8	888.5
	+50			10.3	889.0
T.P.	7.56	877.81	9.04	890.25	
428				6.6	891.2
	+50			4.3	893.5
	+70			3.4	895.2
429	195			1.5	896.3
429				1.0	895.8
	+50			3.8	894.0
430				5.4	892.2
	+50			8.3	889.5
431				10.7	887.1
T.P.	0.73	887.34	11.20	886.61	
	+50			2.3	885.0
432				3.7	883.4
	+50			5.3	882.0
433				5.9	881.4
1	+50			7.4	879.9
434				8.6	879.3
	+50			7.2	878.1
435				11.8	875.5
T.P.	0.73	877.21	10.85	876.49	

H. Line.

12/23/24

(31)

992.01

99.90

9.5

90.30

Sta.	+	H.I.	-	Rod.	Elev.
		877.22			
	+50			3.2	874.0
436				4.3	873.9
	+50			4.9	872.3
	+55			4.6	870.6
	+73			6.9	870.3
	+75			8.4	868.8
	+93			8.9	868.8
	+98			5.0	872.2
437				4.7	872.5
	+42			5.1	872.1
	+58			8.5	868.7
	+72			8.5	868.7
	+77			6.2	871.0
438				6.0	876.2
B.M.				4.49	872.73
	+54			5.1	872.1
	+74			5.9	871.3
	+63			7.4	869.8
	+69			8.6	868.6
	+35			6.1	869.1
	+88			4.4	872.8
439				3.8	873.4
	+50			4.8	872.4
440				5.3	871.9
T.P.	6.97	881.85	4.34	872.86	
	+50			9.0	872.9

12/24/24

(32)

436

SprK in 15" Poplar - 35' ht. Sta. 438 + 50.

Sta	T	H.I.	-	Rod	Elev.
		581.85			
441				7.2	872.7
+50				9.1	872.8
+62				10.0	871.9
442				9.3	872.6
+50				8.4	873.3
+65				7.9	874.4
443				4.6	877.3
+35				5.5	876.4
+50				4.5	877.4
444				3.0	878.9
+20				3.5	878.4
+29				4.4	877.5
+50				4.1	877.5
445				4.8	877.1
+50				3.8	878.1
T.P.	10.55	891.94	0.44	881.41	
446				10.0	882.0
+50				7.7	884.3
447				5.2	886.8
+50				1.9	890.1
T.P.	11.55	903.08	0.43	891.53	
448				10.1	893.1
+50				6.8	897.3
449				4.8	898.3
+50				4.1	898.9
450				1.4	901.5

893.0
896.3

12/26/22

33

Sta.	+	H.I.	-	Red.	Elev.
		903.08			
T.P.	5.99	907.38	1.69	906.39	
+50				3.9	903.5
451				3.0	904.4
+50				4.0	903.4
452				4.8	902.6
+50				6.6	900.8
453				8.4	899.0
+50				10.4	897.0
T.P.	4.20	900.28	9.30	898.08	
454				5.7	894.6
+50				8.3	892.0
455				9.1	891.2
+50				11.1	889.2
456				12.0	888.3
+50				10.3	890.3 890.0
+70				8.3	892.0
457				9.7	892.6
+50				4.7	895.4
458				3.1	897.2
T.P.	9.98	907.13	3.13	897.15	
+50				5.3	898.8
459				7.7	899.4
+50				8.4	898.7
460				7.2	899.9
B.M.				5.05	902.08
+50				4.3	902.8

12/29/21

(34)

Spk. in 12" stump 40 ft. Sta. 460 + 30

Sta.	+	H.I. ✓	-	Red.	Elev.
		907.13			
461		✓		2.4 ✓	904.7
T.P.	10.74	915.36	2.51	904.62	
+50				10.5	904.9
462				9.8	905.4
+50				6.0	909.4
463				3.9	911.5
+50				3.3	912.1
464				3.7	911.7
+50				4.5	910.9
465				4.7	910.7
+50				3.7	911.7
466		✓		2.7 ✓	912.7
T.P.	3.45	917.06	1.75	913.61	
+50				3.0	914.1
467				2.4	914.7
+50				2.2	914.9
468				3.7	913.4
+50				5.0	912.1
469				6.1	911.0
+50				7.3	909.8
470				8.0	909.1
+50				8.7	908.4
471				9.4	907.5
+50				10.3	906.8
472		✓		10.5 ✓	906.4
T.P.	6.00	913.45	9.61	907.45	

12/26/24

35

Sta.	+	H.I.	-	Red.	Elev.
		913.45			
	+50			7.1	906.4.
473				7.1	906.4.
	+50			6.9	906.4.
474				6.5	907.0.
	+50			5.8	907.9.
475				4.7	908.8.
	+50			4.8	908.7.
476				4.3	909.2.
B.M.	4.81	913.63	4.63	908.82	
T.P.	3.07	911.95	4.77	908.86	
T.P.	7.86	910.96	8.25	905.10	
T.P.	10.13	919.55	2.06	906.98	
B.M.			4.74	914.29	914.35
B.M.	1.51	910.33		908.82	
476+50				0.8	909.5.
477				1.3	909.0.
	+55	Center of Co. Rd. H $\frac{2}{3}$		2.0	908.3.
478				2.8	907.5.
	+50			3.3	907.0.
479				4.2	906.1.
	+50			5.0	905.3.
480				6.0	904.3.
	+50			1.0	904.3.
481				5.3	905.0.
	+50			5.4	904.9.

sph. in T.P. 85 Sta 476+17.

state B.M. on L. line. On Oak Tree 60 ft. Sta. 429+70.

sph. in T.P. 85 Pt. Sta. 476+17.

$\frac{2.5}{100}$	$\frac{2.5}{50}$	$\frac{11}{50}$	$\frac{0.9}{100}$
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Sta.	+	H.I.	-	Red	Elev
		910.33			
482				44	903.9.
	+50			84	901.9.
483				88	901.5.
T.P.	2.53	910.19	2.47	901.66	
	+50			81	902.1.
	+50			65	903.7.
484				64	903.6.
	+50			69	903.3.
485				67	903.3.
	+50			72	903.0.
486				62	904.0.
	+50			53	904.9.
487				40	906.2.
	+50			35	906.7.
488				36	906.6.
	+50			47	905.5.
489				54	904.8.
T.P.	2.99	907.76	5.42	901.77	
	+50			37	904.1.
490				40	903.8.
	+50			41	903.7.
B.M				3.53	904.23
491				47	902.9.
	+50			64	901.2.
492				81	899.7.
	+50			72	899.6.

12/24/24

(37)

Spk. in 15" dia. 70' Lt. Sta. 491+00

Sta.	+	H.I.	-	Red.	Elev.
		907.70			
493				6.2	901.6
	+50			3.9	903.9
+94				2.1	905.7
T.P.	2.94	908.62	2.10	905.66	
	+50			3.0	905.6
495				4.2	904.4
	+50			5.4	903.2
496				6.1	902.5
	+50			5.7	902.9
497				4.2	904.4
	+50			2.5	906.1
498				1.1	907.5
T.P.	7.70	915.32	1.60	907.62	
	+50			4.6	908.7
499				5.5	909.8
	+50			3.8	911.5
500				1.9	913.4
	+50			0.9	914.4
T.P.	4.47	919.09	0.72	914.60	
	+94			4.1	915.0
	+98			5.8	913.3
501				6.5	912.6
+21	Center of New Br. Rd.			5.2	913.9
	+45			6.4	912.7
	+48			3.5	915.4
502				3.7	915.2

12/31/24

38

$\frac{7.9}{150}$	$\frac{6.5}{100}$	$\frac{5.4}{50}$	$\frac{5.1}{50}$	$\frac{5.4}{100}$	$\frac{5.6}{150}$
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Sta.	+	H.I. ✓ 919.07	-	Red.	Elev.
	+50			1.2	914.9.
503				4.4	914.5.
	+50			6.5	912.4.
504				8.2	910.9.
	+50			8.1	911.0.
505				7.5	911.6.
	+50			6.3	912.8.
506				5.5	913.4.
	+50			4.8	914.3.
507				5.3 ✓	913.8.
T.P.	5.57	920.28 ✓	4.36	914.71 ✓	
	+50			6.3	914.0.
508				5.4	914.7.
	+50			5.0	915.3.
509				4.8	915.5.
	+50			5.0	915.3.
B.M.				4.35	915.93 ✓
510				4.9	915.4.
	+50			4.7	915.6.
511				5.1	915.2.
	+50			6.5	913.8.
512				7.2	912.5.
	+50			8.7	911.6.
513				8.4	911.7.
	+50			7.9	912.4.
514				7.9	912.4.

12/34/24

59

Spk in 15" Oak 70 ft, Sta 509+90.

Sta.	#	H.I. ✓	-	Rod. ✓	Elev.
		922.28 ✓			
T.P.	2.36	914.94 ✓	7.70	912.58 ✓	
	+50			3.7	911.0
515				5.5	909.4
	+50			5.8	909.1
514				5.4	909.5
	+50			5.9	909.0
517				7.0	907.9
	+50			8.0	906.9
518				7.2	906.7
	+12			7.5	907.4
	+23			4.3	910.4
	+34			3.6	911.3
	+37			7.5	907.4
	+72			8.1	906.1
	+70	On Top of Water main		8.35	906.59 ✓
519				9.9	905.0
	+22			8.7	906.2
	+33			1.5	913.4
	+34			1.7	913.2
	+48			8.8	906.1
520				5.7	906.2
	+50			8.9	906.0
521				9.5	905.4
	+50			10.0	904.9
522				9.5	905.4
T.P.	5.86	911.53 ✓	9.27	915.67 ✓	

12/30/24

40

On Top of Concrete water main, St. Paul Water Works

Sta.	+	H.I.	-	Red.	Elcv.
		911.53			
	+50			4.2	905.3.
523				4.2	905.3.
	+50			5.9	905.4.
524				5.9	905.4.
	+50			4.1	905.4.
525				5.7	905.8.
	+50			5.0	906.5.
526				5.0	906.5.
	+50			4.8	906.7.
527				3.9	907.4.
B.M.				1.47	910.06 ✓
	+50			4.0	907.5.
528				4.1	907.4.
	+50			4.5	907.0.
529				4.3	907.2.
T.P.	9.57	916.88 ✓	4.22	907.31	
	+50			6.7	908.2.
530				7.5	909.4.
	+50			6.4	910.5.
531				4.4	912.3.
	+50			2.7	914.0.
532				1.9	915.0.
	+50			1.3	915.4.
533				1.4	915.3.
T.P.	5.54	921.00 ✓	1.44	915.44.	
	+50			5.2	915.8.

12/30/24

41

Spk in 14" dia 75' dia. Sta. 527+92.

Sta.	+	H.I.	-	Red.	Elev.
		921.00 ✓			
534				4.6	914.4
	+50			4.4	914.6
535				4.3	914.7
	+50			4.9	914.1
536				4.9	914.1
	+50			5.9	915.1
537				6.7	914.3
	+50			8.0	913.0
538				9.4	911.6
	+50			11.5 ✓	909.5
T.P.	5.83	915.27 ✓	11.55	909.45 ✓	
539				7.2	908.1
	+50			6.8	908.5
540				4.1	909.2
	+50			5.4	909.7
541				5.1	910.2
	+50			4.8	910.5
542				4.8	911.0
	+50			3.9	911.4
543				3.3	912.0
	+50			3.8 ✓	912.5
B.M.	4.36	910.93 ✓	1.31	912.97	
544				7.3	913.0
	+50			7.4	912.7
545				8.0	912.3
	+50			8.1	912.2

12/30/24

42

Spk. in ^{trap} 60' Bt. Sta. 543+79

Sta.	+	H.I. ✓ 920.53	-	Red	Elev.
546				7.4	912.9
	+50			6.3	914.0
547				4.9	915.4
	+50			4.4	915.9
548				5.3	915.0
	+50			7.3	913.0
549				8.5	911.8
	+50			9.2	911.1
550				10.0	910.3
	+50			7.6	910.7
551				7.9	912.4
T.P.	5.45	918.01 ✓	9.77	912.54 ✓	
	+50			4.5	913.5
552				4.4	913.6
	+50			4.5	913.2
553				4.9	913.1
	+50			4.5	913.5
554				3.9	914.1
	+50			4.2	913.2
555				4.3	911.7
	+50			7.5	910.5
556				7.2	908.8
	+50			10.3	907.7
557				10.9	907.1
T.P.	10.11	917.41 ✓	10.91	907.20 ✓	
	+50			10.9	906.7

12/31/34

43

Sta.	+	H.I. ✓	-	Red	Elev.
		717.41			
558				11.3	906.1
	+50			11.8	905.6
559				10.0	907.4
	+50			9.2	908.2
560				7.1	910.3
	+50			5.0	912.4
561				3.1	914.3
B.M.				4.0	913.40 ✓
	+50			2.1	915.3
562				2.0	915.4
	+50			2.4	915.0
563				3.1	914.3
	+50			4.6	912.8
564				6.0	911.4 ✓
T.P.	7.58	919.02 ✓	5.97	911.44 ✓	
	+50			2.0	912.0
565				5.4	913.6
	+50			4.3	914.7
566				4.0	915.0
	+50			4.2	914.8
567				3.9	915.1
	+50			4.0	915.0
568				4.8	914.2
	+50			7.8	911.2
569				10.7	908.3
	+50			11.1	907.9

12/31/24

47

Spk. in stump 50' L. Sta. 560+65

Sta.	T	H.I.	-	Red.	Elev.
		919.62			
570				11.0	908.0
+50				9.8	909.2
571				6.5	912.5
+50				4.7	914.3
572				3.9	915.1
T.P.	1.17	916.42	3.77	915.25	
+50				1.4	915.0
573				2.5	913.9
+50				4.9	911.5
574				6.4	910.0
+50				6.7	909.7
575				5.5	910.9
+50				4.4	912.0
576				3.3	913.1
B.M.	(Spike in 15" oak 50% of 576+35)			3.22	913.20
+50				3.1	913.3
577				3.3	913.1
+50				3.5	912.9
578				3.2	913.2
+50				2.1	914.3
579				1.6	914.8
T.P.	1.20	916.18	1.44	914.91	
+50				1.4	914.8
580				1.4	914.6
+50				1.3	914.9
581				1.2	915.0

12/31/24

45

Spk. in 15" Oak. 50' L. Sta. 5767.95.

Sta.	+	H.I.	-	Red.	Elev.
		914.11			
	+50			2.1	914.1
582				4.3	911.9
	+50			6.4	909.8
583				5.3	910.9
	+50			4.5	911.7
584				3.9	912.3
	+50			3.7	912.5
585				3.8	912.4
	+50			4.0	912.2
586				4.0	912.2
	+50			4.7	911.5
587				4.7	911.5
T.P.	3.44	915.65	4.59	911.59	
	+50			4.0	911.3
	+50			3.7	911.6
588				3.4	911.9
	+50			3.4	911.7
B.M.	2.69	915.58	4.34	910.89	
589				3.0	910.6
	+50			4.2	909.4
590				4.9	908.7
	+50			4.4	909.2
591				3.9	909.7
	+50			3.8	909.8
592				4.5	909.1
	+50			3.2	908.4

12/5/54

46

Spk in 20" Oak, Holt Sta 588+50

Sta.	+	H.I. ✓ 913.58	-	Red.	Elev
593				4.7	908.9
	+64			3.4	910.2
T.P.	8.32	918.50 ✓	3.40	910.18	
594				2.8	910.7
	+50			6.9	911.6
595				6.5	912.0
	+50			5.8	912.7
596				5.6	912.9
	+50			5.7	912.8
597				5.3	913.2
	+50			4.3	914.2
598				3.0	915.5
	+50			2.8	912.7
599				5.1	915.4
	+50			3.3	915.2
600				3.7	914.8
	+50			5.8	912.7
601				6.7	911.4
T.P.	6.14	917.81 ✓	6.85	911.65	
	+50			6.1	911.7
602				4.5	913.3
	+42			3.7	914.1
	+57			5.2	912.4
603				5.1	912.0
	+10			4.7	913.1
	+6	Edge of Pavement		4.93	912.88

915.7

1/2/25

(47)

Top of Pavement = $\frac{5.20}{26.5}$

912.61

Top of Pavement = $\frac{5.00}{9.5}$

912.81

Sta.	f	H.I.	-	Rock	Elev
		917.81	✓		
604				4.90	912.91
B.M.				2.24	915.57 ✓
	+50			4.91	912.90
605				4.98	912.83
606				5.10	912.71
607				5.23	912.58
608				5.34	912.45
T.P.	4.85	917.82	↓	5.34	912.47
609				4.99	912.33
610				4.96	912.36
611				4.88	912.44
612				4.99	912.55
613				4.65	912.67
614				4.56	912.76
615				4.47	912.83
T.P.	4.84	917.83	↓	4.35	912.97
616				4.94	912.87
617				4.95	912.88
618				4.75	912.88
619				4.97	912.86
B.M.				3.18	914.65 ✓
620				4.96	912.87
621				4.93	912.90
622				4.93	912.90
T.P.	4.97	917.93	↓	4.87	912.96
623				5.03	912.90

1/2/20

(48)

Spl in T.P. 25 Rt. Sta. 904 + 20

Spl in 12" Oak 40 Lt. Sta. 617 + 50

Sta.	+	H.I.	-	Red.	Elev.
		917.93			
624				5.00	912.93
625				5.00	912.93
626				4.99	912.94
T.P.	6.94	919.33	5.54	912.89	
	+73 ²			6.59	912.94
627				6.42	912.91
	+50			6.44	912.89
	+58	Edge of Pavement		6.45	912.88
	+80			6.2	913.1
	+89			7.9	911.4
628				8.1	910.9
	+08			7.8	911.5
	+20			5.2	914.1
	+50			5.2	914.1
629				4.7	914.4
	+50			3.7	915.6
630				3.0	916.3
	+50			1.8	914.5
631				3.1	914.2
	+50			2.9	914.4
	+74			2.9	916.4
	+80			3.8	915.5
632				3.4	915.9
T.P.	1.36	918.42	3.27	916.06	
	+50			2.4	915.8
	+75			3.3	915.1

1/3/20

49

Sta.	+	H.I. ↓ 918.42	-	Rod Elev.
633				3.4 914.8
	+50			4.3 914.1
B.M.				2.42 915.80 ✓
634				4.5 913.9
	+50			5.7 912.7
635				7.0 911.4
	+50			7.7 910.7
636				8.2 910.2
	+50			8.5 909.9
637				8.8 ↓ 910.1
T.P.	3.93	913.91	8.44	909.98
	+50			3.9 910.0
638				3.5 910.4
	+50			3.4 910.5
639				3.5 910.4
	+50			3.8 910.1
640				4.1 909.8
	+50			4.4 909.5
641				4.6 909.3
	+50			4.8 909.1
642				4.6 909.3
	+50			4.3 909.6
643				4.5 909.4
	+50			3.7 910.2
644				3.9 ↓ 910.0
T.P.	3.58	913.81	3.68	910.13

1/3/23

(50)

Sp. R. in 24" Jap. 40' H. Sta. 633+75.

Sta.	+	H.I.	-	Red.	Elev.
		913.81			
	+50			3.1	910.7
645				2.9	911.1
	+50			3.2	910.6
646				3.2	910.6
B.M.				1.98	911.83
	+50			3.7	910.1
647				4.4	909.4
	+50			4.6	909.2
648				4.8	909.0
	+50			4.4	909.4
649				4.7	909.4
	+50			4.5	909.5
650				3.9	909.9
	+50			3.9	909.9
651				3.9	909.9
T.P.	7.90	916.64	3.05	910.74	
	+50			7.1	910.9
652				7.6	911.5
	+50			6.1	912.7
653				5.5	913.2
	+50			5.4	913.3
654				6.2	912.5
	+50			6.2	912.5
655				6.0	912.7
	+34	Red. on Rt.		4.0	912.7
	+50			5.1	912.9

H. Line.

1/3/40
(5)

Sp. in 18" dia 55 ft sta 645 + 70.

71	8.2	8.0
50	100	150

Sta.	+	H.I.	-	Red.	Klev.
		918.64			
656				5.5	913.2
	+50			4.9	913.8
657				5.0	913.7
	+50			4.8	912.5
658				7.5	911.4
	+50			8.3	910.4
659				7.1	909.6
	+50			9.4	909.3
660				7.5	909.2
	+50			7.8	910.9
	+90			4.3	912.4
661				5.2	913.5
B.M.	4.58	917.62	3.62	915.04	
	+50			6.4	913.2
662				7.0	912.4
	+50			6.9	912.7
663				6.6	913.0
	+50			6.1	913.5
664				4.5	915.1
	+50			4.5	915.1
665				4.3	915.3
	+50			4.2	915.4
666				3.8	915.8
	+50			3.6	914.0
667				2.8	916.8
	+50			3.0	916.6

1/3/25

(52)

{ Spk. in fence Post 15' H. Sta. 661+00. H. Line.
state BM on L. line 14. Sta. 620+00. = 914.95

Sta.	+	H.I. ✓	-	Red.	Elev.
		719.62			
668		✓		3.8 ✓	915.8.
T.P.	0.62	714.96	3.38	914.24	
	+50			2.2	914.7.
669				3.3	913.6.
	+50			4.8	912.1.
670				6.1	910.8.
	+50			6.9	910.0.
671				7.2	909.7.
	+50			7.5	909.4.
672				7.8	909.1.
	+50			8.4	908.5.
673		✓		8.9 ✓	908.0.
T.P.	2.63	910.73	8.74	908.10	
	+50			3.7	907.0.
674				4.2	906.5.
B.M.				4.44	906.29 ✓
	+50			4.4	906.1.
675				4.6	906.1.
	+50			4.5	905.9.
676				5.4	905.3.
	+50			5.2	905.5.
677				5.5	905.2.
	+50			4.7	906.0.
678				4.2	906.5.
	+50			4.0	906.7.
679				2.3	908.4.

1/5/25

912.72
5.03
907.69

(53)

Sph. in 12" dia. 45 ft. 54, 675 + 90.

Sta.	+	H.I.	-	Red.	Elev.
		910.73 ✓			
T.P.	3.59	912.33 ✓	1.99	908.74 ✓	
B.M.				4.63	907.70 ✓
	+50			3.1	909.2 ✓
680				3.1	909.2 ✓
	+50			4.0	908.3 ✓
681				4.8	907.5 ✓
	+50			4.4	907.7 ✓
	+85 ^s	Road on Lt.		5.3	907.0 ✓
682				5.3	907.0 ✓
	+50			6.2	906.1 ✓
683				4.2	906.1 ✓
	+50			6.6	905.7 ✓
684				6.9	905.4 ✓
	+50			7.1	905.2 ✓
685				7.0 ✓	905.3 ✓
T.P.	0.40	905.94 ✓	6.77	905.54 ✓	
	+50			1.3	904.7 ✓
686				1.8	904.2 ✓
	+50			2.4	903.4 ✓
687				3.7	902.3 ✓
	+50			5.2	900.8 ✓
688				6.1	899.9 ✓
	+50			4.7	899.3 ✓
689				7.1	898.9 ✓
	+50			7.5	898.5 ✓
690				7.1	898.9 ✓

1/5/25

(54)

Spk in Oak Lt Sta. 678+03.

State B.M. on L. Line. Lt. Sta. 637+00. = 907.60

$$\frac{44}{100} \quad \frac{4.5}{50}$$

Sta.	+	H.I. ✓	-	Red.	Elev.
		905.96			
	+50			7.5	898.5
691				7.2 ✓	898.8
T.P.	3.87	902.37 ✓	6.98	898.98	
	+50			3.4	899.0
692				4.2	898.2
	+50			4.8	897.6
693				4.6	897.8
	+50			4.5	897.9
694				4.5	897.9
B.M.				3.59	898.78 ✓
	+50			4.3	898.1
695				5.2	897.2
	+50			5.1	897.3
696				4.5	897.9
	+50			4.1	898.3
697				3.1	899.3
	+50			2.4	900.0
698				1.8 ✓	900.6
T.P.	2.00	902.47 ✓	1.70	900.67	
	+50			2.3	900.4
699				3.0	899.7
	+35			3.4	899.3
	+50			3.0	899.7
	+85			2.1	900.6
700				2.2	900.5
	+50			4.1	898.6

1/5/25

55

SpA in 16" D.K. 75' H. 5+9. 694 + 100

Sta.	+	H.I. ✓ 902.67	-	Rod.	Elev.
701				5.3	897.4
	+50			5.1	897.5
702				5.2	897.5
	+50			5.7	897.0
	+89			7.0	895.7
703				7.5	895.2
	+50			6.6	896.1
704				5.2 ✓	897.5
T.P.	2.44	899.77 ✓	5.39	897.28	
	+50			3.4	896.3
705				4.5	895.4
	+50			4.4	895.3
706				3.8	895.9
	+50			3.4	896.3
707				3.3	896.4
	+50			3.9 ✓	895.8
T.P.	0.54	896.60 ✓	3.64	896.06	
708				1.9	894.7
	+50			3.8	892.8
	+81			4.8	891.8
709				5.8	890.8
	+25			7.2	889.4
710				7.9	888.7
	+50			7.8	888.8
711				7.8	888.8
	+08			7.9	888.7

1/4/25

(56)

Spk. in 15" stump 70 ft. Sta. 707+50

Sta.	+	H.I. ✓ 890.60	-	Rod	Elev.
	+11			8.6	888.0
	+15			8.8	887.8
	+17			8.0	888.6
	+27			7.8	888.8
	+37			6.4	890.2
	+48	Center of Cross Road		4.8	890.3
	+59			6.6	890.0
	+66			7.6	889.0
	+78			7.6	889.0
	+80			8.7	887.9
	+84			8.5	888.1
712				7.5	889.1
	+50			5.5 ✓	891.1
T.P.	3.53	894.65 ✓	5.48	891.12	
713				2.7	891.8
	+50			3.2	891.5
714				4.0	890.7
	+25			4.9	889.8
	+50			7.5	887.2
715				7.7	887.0
	+45			7.7	887.0
	+80			5.9	888.8
716				5.1	889.6
	+50			4.2	890.5
717				3.8 ✓	890.9
T.P.	3.38	894.17 ✓	3.84	890.99	

1/4/25

(57)

$\frac{6.5}{100}$	$\frac{6.6}{50}$	$\frac{9.8}{50}$	$\frac{5.5}{100}$
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Sta.	+	H.I. ✓	-	Rod	Elev.
		894.17			
	+50			4.1	890.1
718				5.0	889.2
	+50			5.0	889.2
719				4.9	889.3
	+50			5.1	889.1
720				4.2 ✓	890.0
T.P.	1.67	892.52 ✓	3.32	890.85 ✓	
	+50			2.5	890.0
721				4.4	888.1
B.M.				2.40	890.17
	+50			5.1	887.4
722				4.9	887.4
	+50			5.4	886.9
723				4.2	886.3
	+50			4.3	886.2
724				6.2 ✓	886.3
T.P.	5.78	892.14 ✓	6.14	886.38	
	+50			4.3	885.9
725				6.4	885.8
	+50			5.2	887.0
726				4.5	887.7
	+50			4.6	887.4
727				4.9	887.3
	+50			5.6	886.6
728				5.9	886.3
	+50			4.1	886.1

1/6/25

(58)

SpK in 1" Oak belt. Sta. 7217 25

Sta.	+	H.I. ✓	-	Rod	Elev.
		892.14			
729				6.6	885.6
	+50			6.2	886.0 ✓
730				6.1	886.1
	+50			7.3	884.9
731				7.0 ✓	885.2
T.P.	4.73	890.00 ✓	6.89	885.27	
	+50			5.2	884.8
732				5.2	884.8
B.M.				3.68	886.32 ✓
	+50			5.1	884.9
733				4.8	885.2
	+50			5.3	884.7
734				5.4 ✓	884.4
T.P.	4.91	889.28 ✓	5.63	884.37	
	+50			4.4	884.9
735				4.6	884.7
	+50			4.8	884.5
736				5.0	884.3
	+50			5.1	884.2
737				5.3	884.0
	+50			5.2	884.1
738				5.2	884.1
	+50			5.5	883.8
739				5.4	883.9
	+50			5.8	883.5
740				5.7	883.6

1/6/25

(59)

spk. in 6" Birch 35' H Sta. 752730.

Sta.	+	H.I. ✓	-	Red	Elev.
		887.28			
+54				6.7	882.4
+54				9.2	880.1
+70				8.5	880.8
+73				7.4	881.7
741		✓		7.0 ✓	882.3
T.P.	5.24	887.34	5.18	884.10	
+50				6.4	882.9
742				5.5	883.8
+50				5.5	883.8
743				5.0	884.3
+50				5.4	883.9
744				5.7	883.6
+50				5.1	884.2
745				4.5	884.8
+50				5.2	884.1
746				4.9	884.4
+50				3.7	885.6
747				4.4	884.9
+15				3.9	885.4
+50		✓		1.9 ✓	887.4
T.P.	10.87	898.70	1.51	887.83	
748				8.9	889.8
+50				6.8	891.9
749				5.5	893.2
+50				5.0	893.7
750				4.9	893.8

1/4/35

(60)

Sta.	+	H.I.	-	Rod.	Elev.
		898.70 ✓			
	+50			5.0	893.7
751				5.1	893.6
	+50			6.3	892.4
B.M.				1.93	896.77 ✓
752				7.8	890.9
	+50			10.8 ✓	887.9
T.P.	2.58	889.63 ✓	11.65	887.05	
753				3.9	885.7
	+50			5.0	884.6
754				4.9	884.7
	+50			5.3	884.3
755				5.2	884.4
	+50			5.1	884.5
756				5.0	884.4
	+50			4.5	885.1
757				4.4	885.0
	+50			3.2 ✓	886.4
T.P.	5.27	891.88 ✓	3.02	886.41 ✓	
758				4.1	887.8
	+50			3.4	888.5
759				4.1	887.8
	+50			6.3	885.6
760				5.8	886.1
	+50			5.0	886.9
761				4.1	887.8
	+50			2.7	889.0

1/6/25

(41)

SpK in 30' Oak 50' Bt. Sta. 751 + 05

Sta.	+	H.I.	-	Rod	Elev.
		891.88			
762				2.1	889.8
+50				2.5	889.4
T.P.	3.20	892.60	2.48		889.40
763				4.1	888.5
+50				4.9	887.7
B.M.				1.88	890.72
764				5.2	887.4
+50				4.5	888.1
765				5.0	887.6
+50				5.5	887.1
766				6.4	886.4
+50				7.0	885.4
767				7.1	885.5
+50				8.2	885.4
768				7.1	885.5
T.P.	5.81	891.50	4.91		885.69
+50				5.9	885.6
769				5.6	885.9
+16				5.7	886.3
+20				6.2	885.3
+35				6.1	885.4
+38				5.5	886.0
+54	Center of Cross Ref.			4.5	886.7
+64				5.3	886.2
+70				5.8	885.7
+73				5.7	885.8

1/6/25

62

SpK. in 8" Oak 40 Pt. 5 to 763+40

$$\frac{5.9}{100} \quad \frac{5.4}{50}$$

$$\frac{4.5}{50} \quad \frac{4.8}{100}$$

Sta.	+	H.I. ✓	-	Rod	Elev.
		891.50			
	+78			4.8	886.7
770				4.1	887.2
	+50			4.7	884.8
771				6.3	885.2
	+50			8.4	883.1
772				9.1	882.3
	+50			9.4	882.1
773				9.6 ✓	881.9
T.P.	3.17	885.24 ✓	9.43	882.07	
	+50			3.4	881.8
774				3.8	881.4
	+50			4.2	881.0
775				4.2	881.0
	+50			4.2	881.0
776				4.2	881.0
	+50			4.7	880.5
777				5.0	880.2
	+50			5.0	880.2
778				5.6	879.6
B.M.				3.54	881.70 ✓
	+50			5.4	879.8
779				6.7	878.5
	+50			9.1	878.1
780				9.4 ✓	877.8
T.P.	2.85	881.12 ✓	6.97	878.27	
	+50			3.4	877.7

H. Line.

1/4/25

(63)

spk. in 6" pipe 65' Lt. Sta. 778+00.

Sta.	+	H.I. ✓	-	Red.	Elev.
		881.12			
781				3.7	877.4
	+50			4.0	877.1
782				4.7	876.4
	+50			4.7	876.4
783				4.8	876.3
	+50			5.0	876.1
784				4.7	876.4
	+50			5.3	875.8
785				5.4	875.7
	+50			5.7	875.4
786				4.2	874.8
	+50			4.2	874.3
787				4.2 ✓	873.9
T.P.	5.23	879.45	7.10	874.02	
	+50			5.6	873.7
788				6.3	873.0
	+50			6.5	872.8
789				6.7	872.6
	+50			7.1	872.2
790				6.7 ✓	872.6
T.P.	1.04	878.92	1.37	877.54	
	+50			4.8	874.1
791				4.3	874.4
	+50			4.7	874.2
B.M.				4.27	874.65 ✓
792				5.0	871.9

1/4/25

(64)

Spl. in stump. to Rt. Sta. 792120.

Sta.	+	H.I.	-	Red.	Elev.
		878.92			
	+50			10.1	868.8.
793				11.1	867.8.
	+50			11.2	867.7.
794				11.2	867.7.
T.P.	1.44	869.56	10.20	868.12	
	+50			3.9	864.3.
795				4.0	865.6.
	+50			4.5	865.1.
796				5.3	864.3.
	+50			6.1	863.5.
	+80			6.3	863.3.
	+58			5.1	864.5.
797				5.0	864.6.
	+50			5.9	863.8.
	+91			6.8	860.8.
	+95			10.1	859.5.
798				10.4	859.2.
	+50			11.2	858.4.
799				11.4	858.2.
	+42			10.4	859.0.
800				9.5	860.1.
T.P.	4.40	864.52	9.44	860.12	
	+50			3.4	861.1.
801				2.9	861.6.
	+50			2.7	861.8.
802				2.2	862.3.

1/9/25

65

Sta.	+	H.I.	-	Roof	Elev
		564.52			
	+50			2.3	862.2.
803				2.5	860.7.
	+50			4.7	859.8.
804				7.1	857.4.
	+12			5.4	856.1.
	+50			9.9	854.6.
T.P.	0.18	853.19	11.51	253.01	
805				1.3	851.9.
	+11			1.6	851.6.
	+50			3.4	849.8.
806				5.4	847.8.
	+50			8.2	845.0.
	+96			9.6	843.6.
807		Cross Creek		10.5	842.7.
	+04	" "		10.5	842.7.
	+10			9.4	843.8.
	+50			8.9	844.3.
808				8.2	845.0.
	+16			6.4	846.8.
P.M.	10.51	861.28	2.12	251.07	
T.P.	10.27	870.79	1.06	260.52	
	+47			5.7	865.1.
	+51			4.3	866.5.
	+58 ⁵	Top of Rail		2.76	868.03.
	+63 ⁵	" " "		2.77	868.02.
	+67			3.6	867.2.

1/9/25

66

On Top of coping S.E. Cor. of Culvert Rt. Sta. 508+20.

1.86	2.17	2.55	2.91	3.03	3.23
300	100	100	100	100	300

Sta	+	H.I.	-	Red.	Elev.
		870.79			
	+71			4.7	866.4.
T.P.	0.99	866.20	11.58	859.21	
	+74			8.1	852.1.
S 09				2.1	851.1.
	+50			16.7	849.5.
T.P.	2.72	858.95	10.77	849.23	
	+67			10.1	848.9.
	+70			1.7	850.3.
S 10				7.6	849.4.
	+56			8.7	850.1.
	+65			7.4	851.6.
S 11				5.1	853.9.
	+36			4.3	854.7.
	+50			5.5	853.5.
	+92			3.9	855.1.
S 12				1.9	857.1.
T.P.	11.00	867.10	6.25	858.10	
	+05			11.0	858.1.
	+20			4.0	865.1.
	+29			3.4	865.7.
+36 ⁿ	Top of Rail			2.23	866.87.
+43	" " "			2.52	866.58.
+54				4.7	864.4.
+63				4.4	864.7.
+69 ²	Top of Rail			3.01	866.09.
+77 ³	" " "			3.30	865.80.

1/7/25

67

17.55 844.3 = Invert Elev. of 6' x 10' Culvert. At Sta 209+35.

$\frac{1.10}{300}$	$\frac{1.61}{200}$	$\frac{2.05}{100}$	$\frac{3.07}{100}$	$\frac{3.60}{300}$	$\frac{4.07}{300}$
--------------------	--------------------	--------------------	--------------------	--------------------	--------------------

$\frac{1.48}{300}$	$\frac{2.06}{200}$	$\frac{2.70}{100}$	$\frac{3.80}{100}$	$\frac{4.77}{300}$	$\frac{5.05}{300}$
--------------------	--------------------	--------------------	--------------------	--------------------	--------------------

Sta.	+	H.I.	-	Red.	Elev.
		867.10 ✓			
T.P.	2.76	868.83 ✓	3.23	865.17 ✓	
	+87			48	864.0 ✓
813				8.2	860.6 ✓
	+12			11.0	857.2 ✓
	+43			10.6	858.2 ✓
	+48			9.1	859.7 ✓
814				11.3	857.5 ✓
T.P.	2.31	859.60 ✓	11.54	857.29 ✓	
	+50			2.7	856.8 ✓
815				3.5	856.1 ✓
	+50			7.7	854.9 ✓
	+76			5.3	854.3 ✓
	+80			8.2	851.4 ✓
	+93			9.5	850.1 ✓
B.M.				4.19	855.41 ✓
T.P.	0.59	848.95 ✓	11.24	848.36 ✓	
816				5.0	844.0 ✓
	+12			9.0	840.0 ✓
	+45			11.8	837.2 ✓
T.P.	0.28	838.14 ✓	11.07	837.88 ✓	
	+54			5.4	832.8 ✓
817				7.5	830.7 ✓
	+50			6.2	832.0 ✓
T.P.	5.97	837.67 ✓	0.44	831.70	
818				6.4	831.3 ✓
	+50			6.7	831.0 ✓

1/8/25

(68)

spk in stump Rt. Sta. 215760.

Sta.	+	H.I. ✓ 837.67	-	Rod.	Elev.
	+58			7.1	830.6.
	+64			8.8	828.9.
	+92			9.0	828.7.
819				7.4	830.3.
	+25			5.1	832.6.
	+45			4.5	835.2.
	+55			2.0	835.7.
	+83			6.7	831.0.
820				6.8	830.9.
	+03			6.1	831.6.
	+22			6.5	831.2.
	+25			8.5	829.2.
	+40			8.7	829.0.
	+52			8.6	829.1.
	+57			2.3	829.4.
	+65			3.7 ✓	834.0.
T.P	2.15	844.37 ✓	1.45	836.22	
	+83			3.3	841.1.
	+95			3.7	841.7.
821				4.5	839.9.
	+08			2.5	835.9.
	+23			8.0	836.4.
	+33			1.0	843.4.
	+43			1.3	843.1.
	+53			5.8	838.6.
	+76			10.2	834.2.

1/8/23

69

Sta.	+	H.I.	-	Red.	Elev.
		844.37			
	+88			4.0	840.4
	+95			5.1	839.3
822				7.4	837.0
	+117			6.0	838.7
	+25			5.6	838.8
	+35			6.2	838.2
T.P.	8.11	841.52	10.94	833.41	
	+50	Edge of Lake	On Ice	9.3	832.2
823		On Ice		9.3	832.2
	+50	" "		9.3	832.2
824		" "		9.3	832.2
	+55	Edge of Lake		9.3	832.2
	+70			7.3	834.2
825				5.4	836.1
	+16			3.6	837.9
T.P.	10.82	852.12	0.22	841.50	
	+24			10.1	842.0
	+27			7.2	844.9
T.P.	6.39	857.94	0.57	851.55	
	+42			5.5	852.4
	+50			4.7	853.1
	+55			3.1	854.8
826				3.7	854.2
	+12			4.0	853.9
	+50			4.1	853.8
827				4.3	853.6

1/8/23

(70)

Sta.	+	H.I.	-	Red.	Elev.
		857.94 ✓			
	+50			4.4	853.5.
828				4.8	853.1.
B.M.				4.16	853.78 ✓
	+50			4.8	853.1.
129				4.9	853.0.
	+50			4.6	853.3.
	+70			5.0	852.9.
	+80			6.0	851.9.
830				5.7	852.2.
	+12			4.3	853.6.
	+50			3.6	854.3.
	+70			3.4	854.5.
831				4.3	853.6.
	+25			2.9	855.0.
	+50			2.7	855.2.
832				2.4	855.5.
T.P.	7.54	862.82 ✓	2.64	855.28 ✓	
833				7.0	855.8.
834				6.2	856.6.
835				5.2	857.6.
836				4.5	858.3.
	+75 ² = 809 + 15 ²	L. Line		3.7	859.1.
B.M.				3.40	859.42 ✓
T.P.	5.68	865.98 ✓	2.52	860.30 ✓	
			4.65	861.33 ✓	861.37

H. Line.

1/8/25

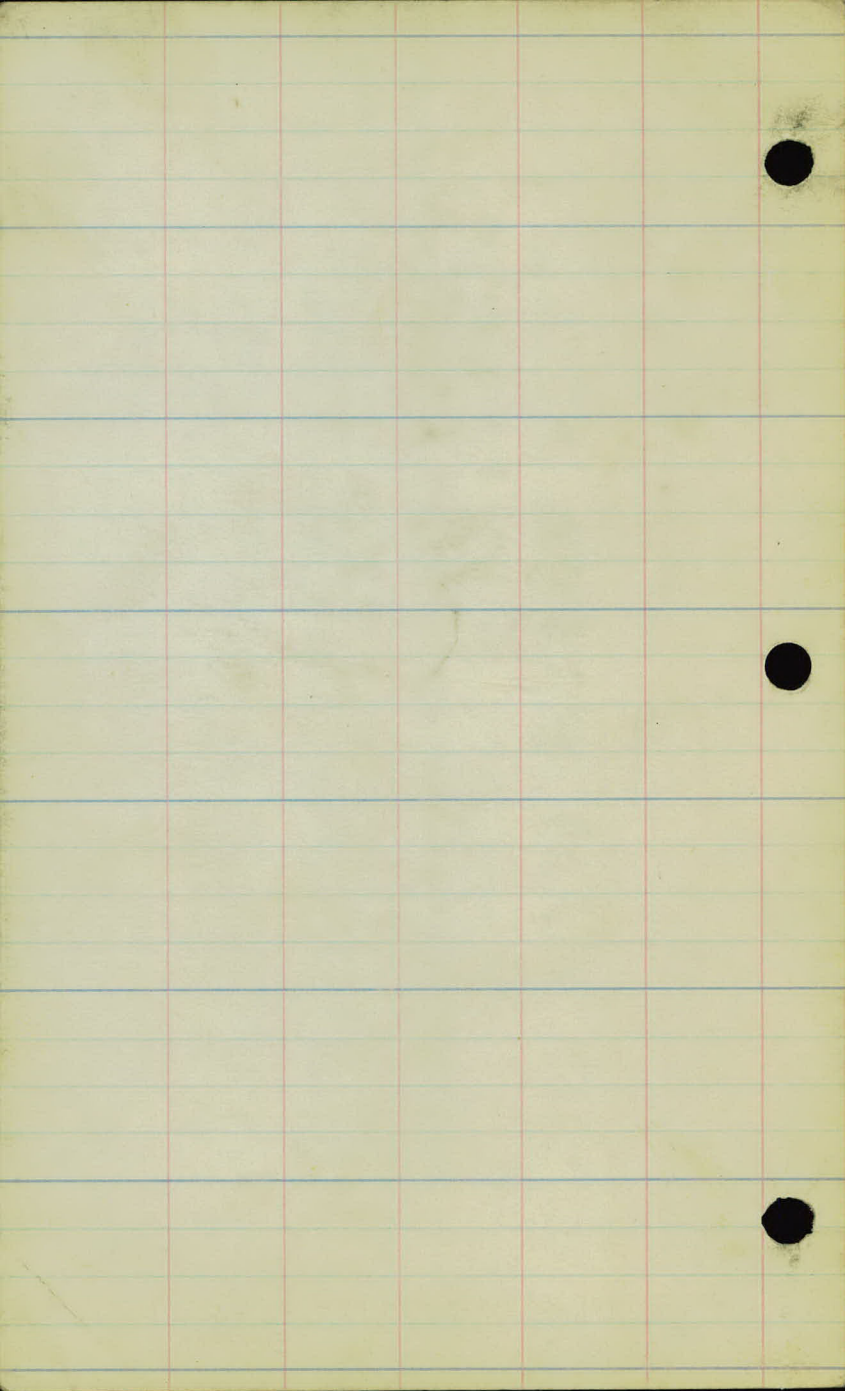
(71)

Spk. in T.P. 105' Lt. Sta. 828 + 30.

Spk. in 36" G.K. Lt. Sta. 836 + 20.

BM-State "L" Line 813+50 - T.P. Rt. Elev. 861.37
Ramsay Co. "H" Line Produced Elev. 861.33

P.R. Remington
1-10-25



1/9/25

H. Line

Check levels from
Sta. 678+03 to Sta. 836+75⁹.

Sta.	+	H.I.	-	Elev.
B.M.	4.79	912.49		907.70
	0.13	905.24	7.38	905.11
	4.04	902.75	6.33	898.91
B.M.			4.17 +	898.78
	1.38	902.85	2.48	900.47
	2.15	899.52	5.58	897.27
B.M.			3.45	896.07
	5.22	895.61	9.15	890.39
	3.45	894.24	4.82	890.77
	4.22	892.48	5.98	888.26
B.M.			2.34	890.12
	3.62	890.61	5.49	886.99
	5.10	889.97	5.74	884.87
B.M.			3.64	886.33
	4.06	888.38	5.65	884.32
	6.11	890.52	4.07	884.51
	8.00	897.95	0.57	889.95
B.M.			1.16	896.99
	3.05	889.61	11.39	886.56
	4.31	891.45	2.47	889.14
	3.18	892.82	1.91	889.54
B.M.			2.10	890.72
	4.93	890.58	7.17	885.65
	4.06	885.86	7.14	881.74
B.M.			4.10	881.70
	3.17	890.93	8.24	877.54
	3.94	877.02	7.65	873.08

1/9/25

SPK. in Oak Lt. Sta. 678 + 03.

SPK. in 12" Oak 75' Rt. Sta. 694 + 00.

SPK. in stump 70' Lt. Sta. 707 + 50.

SPK. in 8" Oak 60' Lt. Sta. 721 + 25.

SPK. in 6" Birch 55' Lt. Sta. 732 + 30.

SPK. in 30" Oak 50' Rt. Sta. 751 + 05.

SPK. in 8" Oak 40' Rt. Sta. 763 + 40.

SPK. in 6" Birch 45' Lt. Sta. 778 + 00.

Sta.	+	M. I.	-	Elev.
		897.02		
B.M.			2.37	874.65
	0.97	867.38	10.61	860.41
	0.87	859.23	7.02	856.36
B.M.	10.68	861.75	8.16	851.07
	4.99	870.51	1.23	860.52
	2.61	862.75	10.37	860.14
B.M.			7.34	855.41
	1.66	855.92	8.49	854.26
	5.74	859.66	2.00	855.92
B.M.	5.92	859.70	5.88	853.78
B.M.	5.65	865.07	0.28	859.92
B.M.			3.74	861.53 861.37

1/9/25

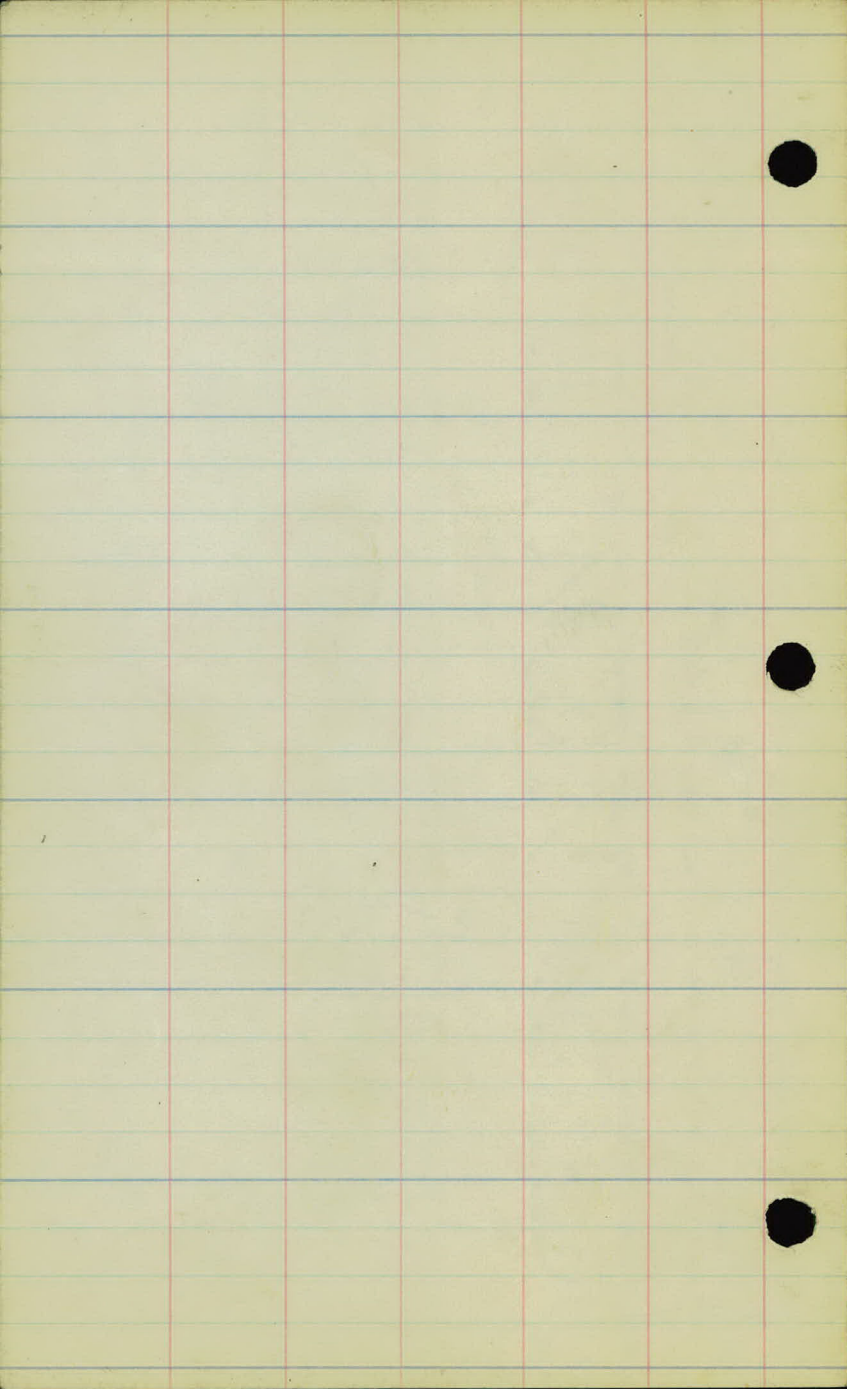
Spk. in stump 75 Rt. Sta. 792+20.

On top of cuping s.e. cor. of Culvert Rt. Sta. 808+20.

Spk. in stump. Rt. Sta. 815+60.

Spk. in T.P. 105 Lt. Sta. 828+30.

Spk. in 30" Oak Lt. Sta. 836+20.



Levels from L. line 215-170
to produce B.M. at Hackney Barns
on H. Line 126 + 63.

Sta.	+	H.I.	-	Elev.
B.M.	3.25	919.66		916.41
T.P.	4.02	914.17	7.51	910.15
T.P.	0.39	903.79	10.77	903.40
T.P.	2.05	895.78	10.06	893.73
B.M.			4.67	891.11
T.P.	1.67	889.13	8.34	887.44
T.P.	5.46	888.89	5.90	883.23
B.M.	4.16	889.08	3.97	884.92
T.P.	11.62	700.29	0.41	888.67
T.P.	4.97	904.64	0.62	899.67
T.P.	9.04	913.32	0.38	904.26
B.M.	1.76	909.94	5.12	908.20
T.P.	6.68	915.76	0.88	909.08
T.P.	3.24	919.57	1.45	914.31
T.P.	7.43	922.78	2.22	915.35
B.M.			2.58	920.20

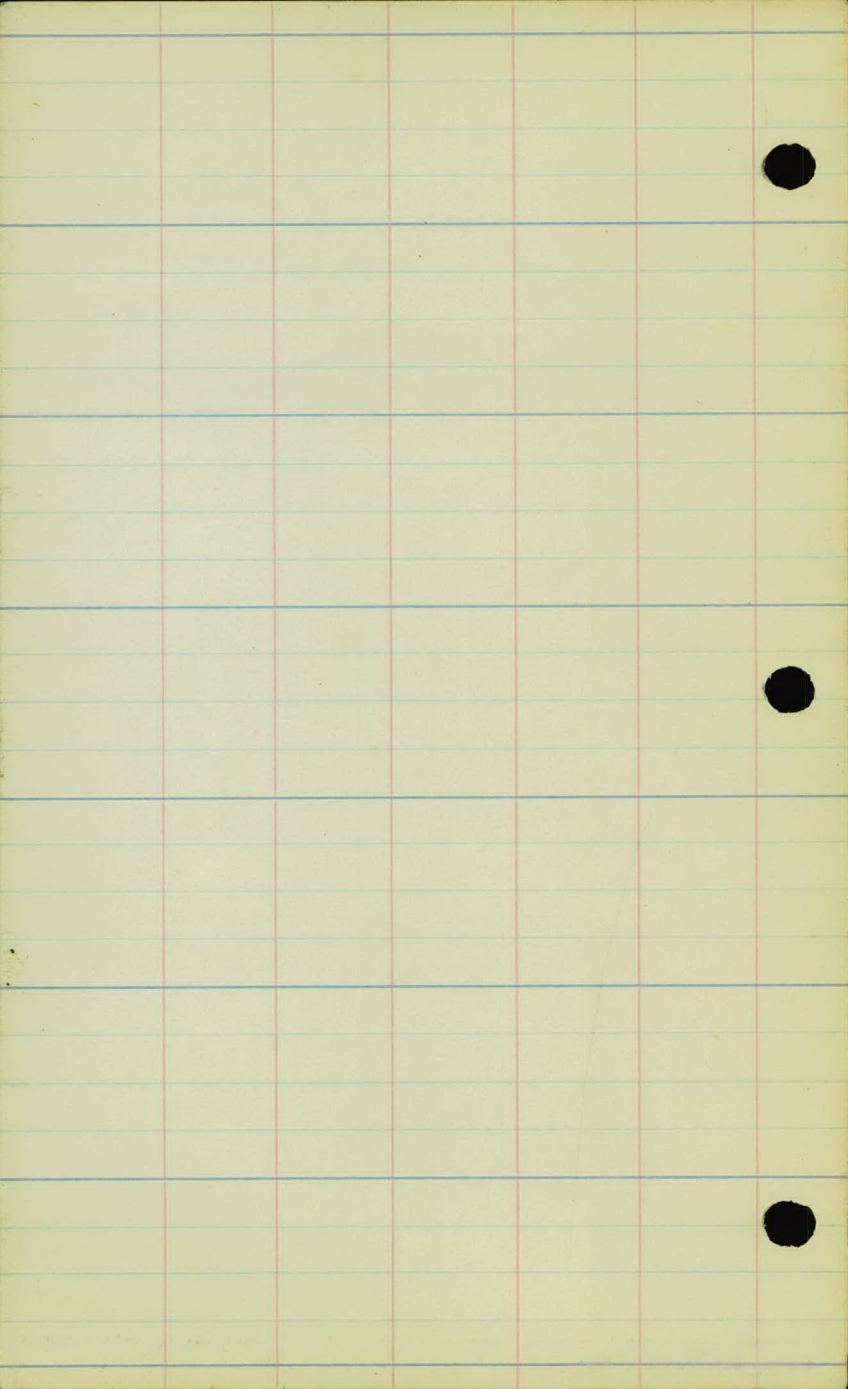
12/8/21

State B.M. on L. line Spk. in Oak. 40' L. Sta. 215+90.

Nail in 12" Oak. 25' Lt. E Hamline Ave. Center of sec. 34,
2500' S. of Co. Rd. E.

Nail in T.P. Pt. of Hamline Ave. on 3rd curve
running south from Co. Rd. E.

On top of concrete wall at Rt. Sta. 186+63 H.' Line.



Check Levels from Sta. 374+25
to Sta. 429+70.

Sta.	+	H.I.	-	Elev.
B.M.	8.54	926.41		917.85
	5.35	921.37	10.39	916.02
	7.43	918.34	7.44	913.91
	3.77	910.69	11.42	906.91
	10.21	917.08	3.82	916.87

B.M.			6.40	910.68	910.68
	3.36	919.73	0.71	916.37	
	1.84	910.13	11.46	908.27	
	3.42	908.15	5.40	904.75	
	0.74	897.74	11.17	896.98	

B.M.			7.01	890.73	890.73
	3.67	898.10	3.31	894.43	
	0.74	887.37	11.47	886.63	
	0.34	877.04	10.67	876.70	

B.M.	3.94	876.67	4.31	872.73	872.73
	10.90	866.77	0.60	876.67	
	11.04	897.24	0.57	886.20	
	7.34	903.65	0.73	896.31	
	6.43	899.83	10.25	891.40	
	9.33	908.94	0.22	899.61	

B.M.			6.87	902.05	902.05
	8.27	915.96	1.27	907.67	
	1.21	915.84	1.33	914.63	
	4.77	911.73	8.70	907.14	

B.M.			3.13	905.80	908.82
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12/24/24

Spk in T.P. 53' Lt Sta. 374+25.

Spk in 6" Poplar 270' Sta. 396+10.

Spk in 20" Poplar 136' Rt Sta. 419+35.

Spk in 15" Poplar 35' Lt Sta. 438+50.

Spk in 12" Stump. 40' Rt Sta. 460+30.

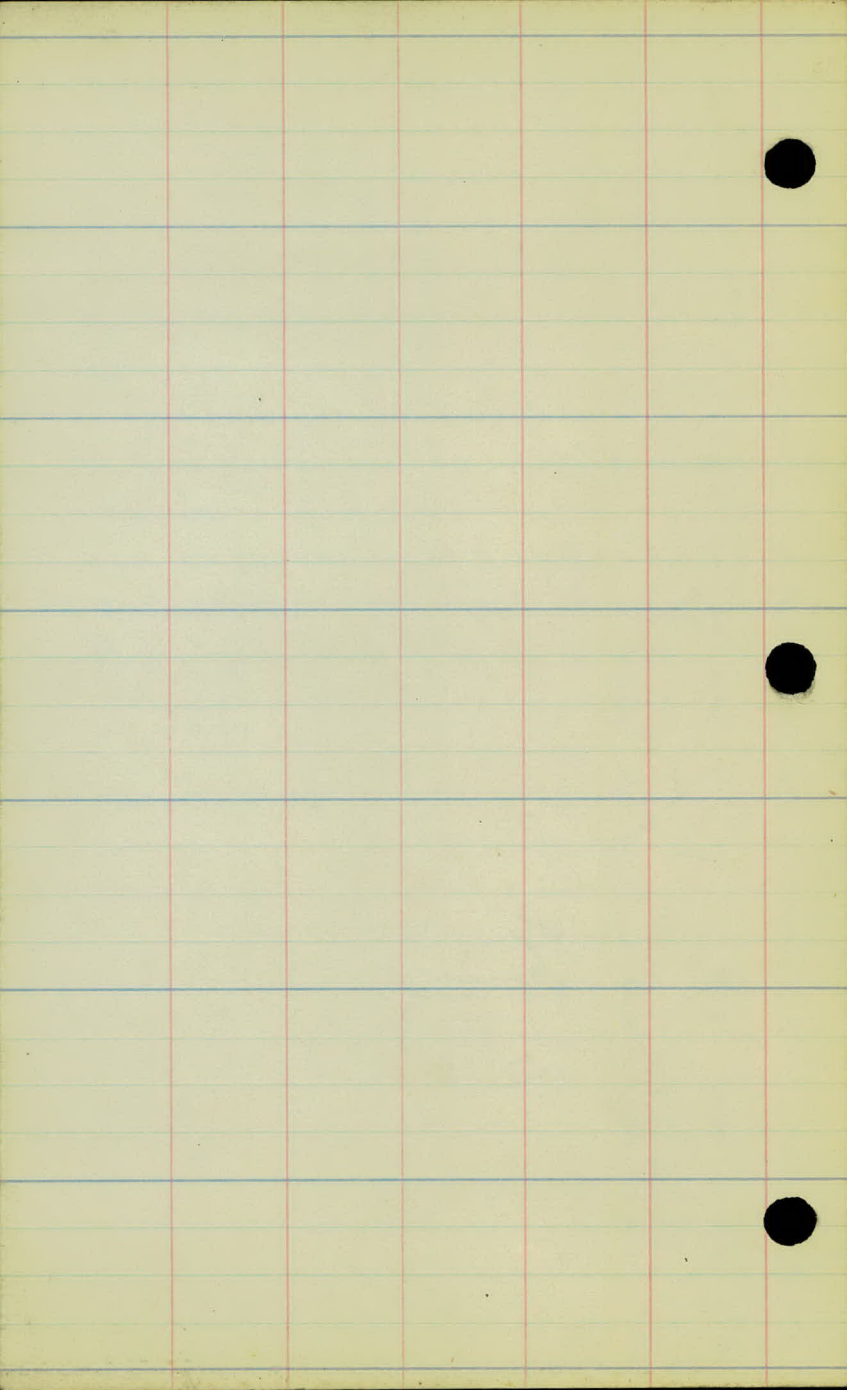
Spk in T.P. 85' Rt Sta. 476+17.

Sta.	+	H.I	-	Elev.
B.M.	2.49	911.29		908.80
	4.37	912.95	2.91	908.58
	4.19	909.15	9.99	902.94
	8.51	916.00	1.44	907.49
	5.43	919.40	2.03	913.97
B.M.			5.12	914.28 914.35

12/24/24

Spk. in T.P. 85 Rt. Sta. 476+17. on H. Line.

State B.M. on L. line. On Oak tree 60 ft Sta. 429+70.



Proj. # 26-62.
Line Revision

Center line levels from
Sta. 800+00 to Sta. 837+00.

Sta.	T	H.I.	-	Rod	Elev
B.M.	1.19	875.84		874.65	
	2.28	868.24	9.84	865.98	
	7.44	868.95	7.95	860.91	
800				8.0	860.4
801				4.7	61.7
802				5.3	63.1
+12				5.0	63.4
+15	Center of ditch.			7.2	61.2
+18				4.9	63.5
803				5.7	62.7
+26				6.0	62.4
+74				5.4	62.8
804				6.3	62.1
+64				11.0	57.4
805				12.1	56.3
T.P	0.74	858.15	10.94	857.39	
806				4.4	53.6
+20				5.1	53.1
807				10.4	47.6
+17				12.8	45.4
T.P.	1.63	852.71	7.07	851.08	
+65				7.0	43.7
+72	Edge of creek			7.5	43.2
808				7.8	42.9
+41	Edge of Creek			10.0	42.7
+52				8.5	44.2

1/8/20

11

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Bottom of Ditch

8.8
50

6.9
50

Sta.	f	H.I.	-	Prod	Elev
		852.71			
+54				6.1	846.6
+70				3.3	49.4
B.M.	11.70	862.98	1.63	851.08	851.07
T.P.	8.20	849.30	1.68	841.10	
+93				4.1	65.2
809				2.2	67.1
+03	Top of Nail			1.36	67.94
+08				1.36	67.94
+13				2.2	67.1
+14				3.3	66.0
T.P.	1.12	858.18	12.24	857.04	
+44				6.5	51.7
+51				7.1	51.1
+54				2.2	50.0
810				7.2	49.0
+05				7.2	49.0
+08			Creek	10.1	48.1
+13				10.1	48.1
+15				8.1	50.0
+68				8.9	49.3
811				6.5	51.7
+57				3.5	54.7
+71				6.1	52.1
812				4.0	54.2
T.P.	12.24	867.24	1.10	857.00	

1/8/24

<u>0.87</u>	<u>1.13</u>
200	100
<u>0.87</u>	<u>1.13</u>
200	100

<u>1.50</u>	<u>1.60</u>
100	200
<u>1.53</u>	<u>1.60</u>
100	200

71
50

125
50

Sta.	f	H. I.	-	Rod	Klev.
		869.24			
	+07			14.8	854.4
	+18			3.1	66.1
	+39	Top of Rail		2.05	67.19
	+45	Top of Rail		2.31	66.91
	+55			4.8	64.4
	+66 ⁶	Top of Rail		2.45	66.59
	+72 ⁶	Top of Rail		2.95	66.29
	+76			3.8	65.4
	+84			5.0	64.2
813				10.1	59.1
	+05			10.9	58.3
	+22			10.9	58.3
	+35			6.5	62.7
	+60			6.4	62.6
814				5.9	60.3
	+29			11.4	59.8
815				12.4	56.8
	+50			11.8	57.4
T.P.	0.57	858.52	11.29	857.95	
816				3.4	55.1
817				5.8	52.7
	+70			6.4	52.1
818				9.2	49.3
T.P.	0.57	847.34	11.75	846.77	
	+39			3.9	43.4

11

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<u>3.06</u>	<u>2.49</u>	<u>1.55</u>	<u>1.02</u>
<u>200</u>	<u>100</u>	<u>100</u>	<u>200</u>
<u>3.31</u>	<u>2.76</u>	<u>1.82</u>	<u>1.25</u>
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>

<u>1.44</u>	<u>2.02</u>	<u>3.26</u>	<u>3.85</u>
<u>200</u>	<u>100</u>	<u>100</u>	<u>200</u>
<u>1.74</u>	<u>2.30</u>	<u>3.54</u>	<u>4.15</u>
<u>200</u>	<u>100</u>	<u>100</u>	<u>200</u>

Stg.	+	H.I.	-	Ref	Flev
		847.34			
	+44			9.3	838.0
	+52			16.0	37.3
	+63			4.8	42.5
	+74			4.5	42.8
T.P.	1.10	836.60	11.84	835.50	
	+92			3.4	33.2
819				4.8	31.8
	+30			6.5	30.1
	+41			5.5	31.1
	+51			9.1	27.5
820				9.2	27.4
	+08			9.2	27.4
	+14			7.2	29.4
	+64			6.5	30.1
	+70			4.4	32.2
821				5.2	31.4
	+20			5.2	31.4
	+52			6.4	30.2
	+37			6.4	30.2
	+42			5.9	30.7
	+74			5.9	30.9
	+90			6.9	29.9
822				4.7	29.9
	+05			4.1	30.5
	+24			6.5	30.1

1/8/24



Sta.	T	H.I.	-	Red	Elev
		836.60			
T.P.	5.11	835.84	5.85	830.75	
B.M.	4.37	838.50	3.73	832.13	
+28				10.4	827.9
+50				10.4	27.9
+73				10.4	27.9
+80				9.0	29.5
+83				4.3	32.2
+91				4.5	34.0
823				4.9	33.4
+44				4.7	33.8
+53				1.1	37.4
+64				0.7	37.8
+73				3.6	34.9
+77				3.5	35.0
T.P.	6.81	843.33	1.98	836.52	
+84				4.3	39.0
+98				7.3	34.0
824				7.3	36.0
+52				4.4	34.7
+48				4.7	36.6
+83				7.0	34.3
+91				5.9	37.4
825				3.9	39.4
+82				3.5	39.8
T.P.	12.22	855.02	0.53	842.80	

1/7/26

Sta.	+	H.I.	-	Red.	Elev.
		555.02			
	+10			10.4	844.6
T.P.	8.09	859.39	372	851.30	
	+33			4.0	55.4
824				4.5	54.9
	+50			4.5	54.9
827				4.9	54.5
	+27	Center of Cross Ref.		4.9	54.5
	+58			4.6	54.8
	+52			4.7	54.5
828				6.0	53.4
	+50			4.3	53.1
829				4.7	52.7
B.M.	6.43	860.22	5.60	753.79	853.78
	+59			7.6	52.6
	+61			8.5	51.7
	+62			8.5	51.7
	+64			7.5	52.7
830				7.5	52.7
	+22			7.3	52.9
	+24			8.3	51.9
	+57			8.4	51.8
	+73			7.3	52.9
831				7.0	53.2
	+47			5.9	54.3
	+83			9.9	53.4

1/7/26

$\frac{5.0}{50}$

$\frac{5.1}{50}$

Spk. in T.P. 50 H. Sta. 829723

8.8
37

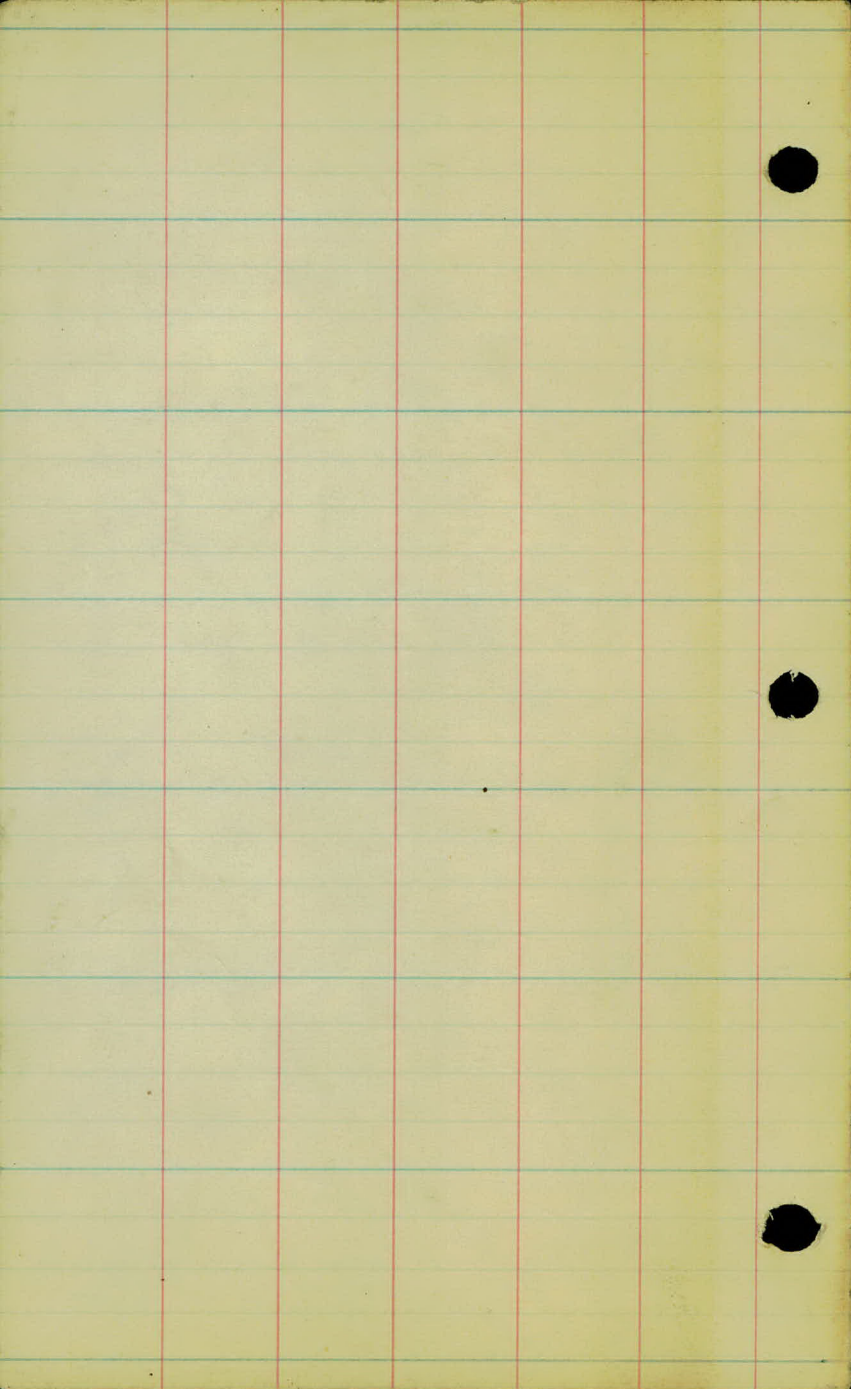
→ Bottom of pitch

8.2
50

Sta.	+	H.I.	-	Red.	Elev.
		860.22			
832				4.4	853.6
+24				5.0	55.2
+52	Pri. Ent. Rt.			4.9	55.3
833				4.9	55.3
834				4.5	55.7
835				3.8	56.4
834				2.8	57.4
837				2.1	58.1
Elev. +84 ¹⁰ =				1.2	59.0
B. M.			4.43	853.79	

1/7/20

$\frac{57}{7}$ $\frac{57}{12}$ $\frac{48}{24}$ $\frac{49}{50}$



U 2494