

FEDERAL AID PROJECT No. 1

PINE RIVER-REMER

LEVEL BOOK No. 1

FIELD BOOK

361

101

101

Sta	B.S.	I.I.	F.S.	Red	Level
B.M.	241	1301.97			1299.56
T.P.	377	1341.99	375		1298.32
T.P.	776	1301.97	198		1297.01
T.P.	153	1296.20	580		1275.67
00				6.9	87.3
B.M.	208	1292 ³³⁹ 81	677		1289.73
1				5.0	87.8
2				5.3	87.5
+35B				5.5	87.3
3				6.0	86.8
+63					
1				7.8	88.0
5				2.7	94.1
6				1.2	91.6
6704.7				1.2	91.6
T.P.	133	1291 ⁸⁷ 94	120		1291.61
7				2.3	89.6
7				7.8	87.1
+50				5.9	86.0
9				6.9	85.5
				7.92	1284.52
10				8.2	85.7
10466.8			595		1285.99
11				6.0	85.9

May 17/19

J.F. Ruppel

F. Miesli Left & Right

(B.M. on Mississippi River Cem - B.M. Near section house of MTR. @ Pine River, Minn.)

level 873 level 6
 spike in tele pole 35' N of 2715 on North side tele pole

$$\begin{array}{r} 875 \\ 10 \\ \hline 875 \end{array}$$

 in lake 872 873 871

$$\begin{array}{r} 17 \\ 15 \\ \hline 12 \end{array}$$
 1/2 of slope to water

level 553 871 868 865 819 in creek

$$\begin{array}{r} 25 \\ 6 \\ \hline 12 \end{array}$$
 30
 1' x 40' x 1 P

$$\begin{array}{r} 851 \\ 53 \\ \hline 856 \end{array}$$
 864 880 880 871 856 level

$$\begin{array}{r} 13 \\ 6 \\ \hline 12 \end{array}$$
 20
 86.5 901 903 894

$$\begin{array}{r} 29 \\ 9 \\ \hline 21 \end{array}$$

 level 916 level 6

T.P. spike sta 6704.7

$$\begin{array}{r} 934 \\ 28 \\ \hline 906 \end{array}$$
 896 896 896 896 902 same grade

$$\begin{array}{r} 23 \\ 10 \\ \hline 13 \end{array}$$
 20
 90.0 962 871 871 805 875 level

$$\begin{array}{r} 27 \\ 21 \\ \hline 12 \end{array}$$

 East edge of lake 875 850 860 860 85.5 84.3 level

$$\begin{array}{r} 25 \\ 21 \\ \hline 9 \end{array}$$
 10
 87.1 85.5 85.5 85.3 83.9 in lake

$$\begin{array}{r} 27 \\ 21 \\ \hline 3 \end{array}$$
 6
 Water elev.

level 858 837 water
 replacement monument

$$\begin{array}{r} 858 \\ 27 \\ \hline 831 \end{array}$$
 850 864 863 859 856 same grade to water

$$\begin{array}{r} 21 \\ 15 \\ \hline 3 \end{array}$$
 12

Notes
 drop 10' in 10' @ 100'

Sta	B.S.	I.I.	F.S.	Red	Elev
		1291.99			
12				38	881
13				23	896
14				12	907
15				15	901
TP	0.70	⁵⁸ 1291.36	128		1291.66
16				2.8	896
17				3.6	878
17				3.9	875
18				3.5	879
19				3.7	877
+21					
20				42	872
21				42	872
22				42	872
23				34	880
24				2.9	885
B.M.	12.13	¹¹⁸ 1300.54	2.95		1288.41
25				78	907
26				70	935
27				63	942
28				44	959
29				35	970
30				33	972

May 17/19

	L	G	R	
	884	881	87.3	881 level
	27		2	
level	892	886	882	89.4 892 896 level
	27	21	15	
	913	907	90.7	90.1 913
	33	27		21 22
	912	902	90.1	895
	33	21		33
	902	896	886	892
	30	18		33
	874	876	869	869
	12	10	14	
in lake	859	869	875	860 in lake
	10	9	12	13
in lake	856	867	869	861 " "
	10	9	12	14
" "	855	866	871	867 861 " "
	11	10	14	14
2' x 30 1/2 gal vert				
level	867	865	850	" " 20' 15" end lake
	12	10	12	
level	866	866	853	" "
	12	9	11	
" "	868	868	860	
	10	12	15	
874	879	869	869	" "
	12	11	6	9
				1286
Tap Nonvac at	234	93.6		
	90.7	90.7	90.3	921 level
	33		21	27
	932	935	933	942 " "
	33		18	20
934	910	944	93.2	940 " "
	37	16		21 22
950	957	959	977	956 " "
	27	12		21 22
level	962	969	970	960 967 " "
	21	9		18 20
" "	967	971	978	961 968 " "
	20	8		18 20

Note: allow 2 in 10' drop
12/19/19 J.M.J.

Sta	B.S.	I.L.	F.S.	Red.	Elev
		1300.54			
31				36	96.9
32				5.1	95.4
33				5.3	95.2
T.P.	623	1302.04 ¹⁴⁶	473		1293.81
34				7.5	94.5
35				5.9	96.1
36				5.9	96.1
37				5.3	96.7
38				4.6	97.4
B.M.			471		1297.33
39				4.8	97.2
40				7.5	97.5
41				7.4	97.6
42				4.1	97.9
43				3.8	98.2
T.P.	283	1301.20	367		1298.37
44				3.5	97.7
45				4.5	96.7
46				4.0	97.6
47				3.8	97.4
48				5.3	95.9
49				6.8	94.4
49				7.5	93.7

May 17/19

	L	C	R	
Level	94.8	95.9	96.7	96.9 95.5 96.7 Level
"	33 18 12	18 20		"
"	95.5 94.7 95.5	95.6 94.7 95.3		"
"	33 19 9	8 18 20		"
"	94.7 94.2 95.0	95.2 94.2 95.2		"
"	33 16 9	8 18 20		"
Level	93.8	93.4	94.1	94.9 93.6 94.6 "
"	32 20 9	5 18 19		"
"	95.6 95.1 96.0	96.1 94.9 96.3		"
"	33 17 8	15 17 15		"
"	95.9 95.2 96.0	95.1 95.8		"
"	33 15 6	18 19		"
"	96.3 95.9 96.6	96.6 95.8 94.1		"
"	33 14 5	6 19 20		"
"	97.0 96.6 97.2	97.3 96.9 97.8		"
"	22 21 6	8 15 19		"
Spike in 10" Jack Pin 36' L of 37+90 "				
Level	96.2	95.5	96.8	97.0 96.0 97.1 "
"	19 18 6	7 13 15		"
"	97.1 96.7 97.3	97.7 96.7 97.0		"
"	19 16 6	6 17 18		"
"	97.5 96.5 97.3	97.4 96.6 97.4		"
"	19 15 6	6 15 16		"
"	97.9 97.2 97.1	98.0 96.6 97.5		"
"	21 19 4	6 18 19		"
"	97.2 97.3	97.3 97.5 97.0 97.6		"
"	19 18 3	6 18 19		"
"	98.8 97.0	97.3 96.5 97.0		"
"	22 21 12	21 22		"
"	96.6 95.6 96.7	96.8 96.0 96.7		"
"	10 9 9	18 19		"
"	96.8 96.2	97.0 96.1 97.0		"
"	22 21 9	7 18 19		"
"	97.3 96.3	97.2 96.0 96.9		"
"	22 21 9	7 18 19		"
"	95.5 94.9	95.6 94.7 95.4		"
"	22 21 9	7 18 20		"
"	94.1 93.5	94.2 93.3 93.9		"
"	22 21 9	7 18 19		"
"	93.7 93.2	93.5 92.5 93.1		"
"	22 21 9	7 18 19		"

Sheet 1
Sheet 2

May 17/19

Sta	BS.	HI	FS.	Rod	Elev.
		1301.20			
50				8.7	92.5
49.1				9.1	92.1
BM			7.62		1293.58
		May 19, 1919	Very Windy		
	332	1296.90			1293.58
51				7.2	92.7
52				3.8	93.3
53				4.1	92.8
54				7.2	92.5
55				7.7	92.5
+55				7.7	92.5
56				4.4	92.5
57				2.9	94.0
58				3.4	93.5
TP.	767	1303.14	1.93		1295.97
59				2.1	95.0
60				6.1	97.7
61				7.6	98.5
62				7.9	98.7
63				5.0	98.1
64				5.0	98.1
65				7.1	98.7
66				3.4	99.5
67					

L	f	R
Level 92.8	92.9	92.3 91.8 92.1 Level 1
21	4	7 12 33
92.1 91.5 92.8 92.2		Level 6
31	30	15 4
BM SPIKE in tel pole 25' R. sta 50+15		
Marshy banked firmly.		
Level 93.1	91.7	91.3 Level 1
30	22	28
93.1 92.9	93.1	92.3 92.9 "
15	12	8 14 16
92.3 91.5 92.4	92.5 91.5 92.4 "	
17	14	11 10 13 15
92.1 91.4 92.1	92.5 93.6 92.5	
15	13	10 5 9 15 17
92.8 91.5 92.5	92.2 91.5 92.5 91.7 91.2 92.6 Level 1	
23	12	9 10 15 18 24 29 37
92.2 92.2	92.2 90.5 Level 1	
9	7	11 15
93.1 91.5 92.1	92.2 92.3 90.3 "	
25	9	6 5 17 20
92.1 93.2	93.8 92.3 "	
15	12	5 11 21
93.0 92.5	92.7 92.8 "	
25	12	17 33
91.3 91.0	91.0 91.9 91.0 "	
19	9	7 15 21
95.9 95.9	96.9 96.2 96.9 "	
14	11	5 20 23
97.9 97.7	98.7 97.8 96.5 "	
14	7	11 21 24
96.3 98.1	99.1 98.0 98.6 "	
14	7	8 21 27
97.2 98.1	98.3 98.2 98.3 "	
15	6	15 23 25
97.3 98.7	98.4 97.6 98.2 "	
20	8	11 21 27
98.0 98.0	98.0 98.0 97.7 "	
13	10	5 7 20 24
98.8 99.3	99.6 98.9 99.1 "	
13	7	7 22 24

36-66
Sheet 2
Sheet 3
66-96

Sta	B.S.	I.I.	F.S.	Red.	Elev.
		1303.14			
T.P.	496	1304.53	327		1299.7
67				4.6	00.2
68				3.3	01.5
69				3.5	01.3
70				5.2	99.6
71				8.0	96.5
75.7				8.8	96.0
72				5.7	99.1
73				2.3	02.5
74				2.3	02.5
T.P.	467	1307.75	175		1303.05
75				5.9	01.9
75.6				7.6	00.2
76				9.0	00.8
77				4.7	03.1
B.M.		380			1303.95
78				4.6	03.2
79				7.6	03.2
80				4.8	03.0
71				4.6	02.2
72				4.5	03.3
T.P.	295	1306.50	420		1303.55
83				8.5	03.0

5/19/19

	L	E	R
Level	00.3	99.7	00.7 99.7 00.7 100.0
	13	10	10 23 25
"	01.5	01.2	01.7 01.1 01.8
	12	7	7 23 25
"	01.3	01.1	00.5 01.3
	10	5	26 27
	98.9	99.6	00.6 00.3 01.5
	16		20 27 29
Gradeal slope	97.5	99.0	98.9 98.3 99.6
	16		9 26 28
16' culvert	97.8	99.0	98.5 98.5 97.7 98.3
	16		9 20 25 27
Level	99.1	99.1	98.8 99.0
	17		13 25 27
"	02.0	02.3	03.0 01.8 02.7
	12	10	10 22 27
	02.3	02.5	02.5 01.9 02.7
	24	10	24 22
Level	01.9	00.7	01.5 1.0 0.4 0.3 0.3
	15	11	8 23 27 35
18' culvert	99.9	99.9	01.1 01 02.5 01.2
	14		9 19 22 29
"	01.0	00.1	00.9 01.5 01.4 02.5
	15	12	6 27 29
	02.7	03.1	02.7
	04	26	34
B.M. Top N.E. Cor. Sec 31	76	488.2	
Level	02.9	02.9	03.8 03.7 02.7 03.7
	5	3	5 13 20 21
"	02.7	02.3	03.7 03.5 02.6 03.5
	5	3	6 12 20 21
"	03.1	02.4	03.1 02.5 03.3
	7	5	12 18 20
"	03.3	02.4	03.1 02.2 03.1
	8	4	12 15 17
"	02.2	02.7	03.3 03.3 03.2
	9	8	11 17 17
"	02.8	01.9	03.1 02.0 02.9
	10	8	7 14 16

5-19-19

Sta	B.S.	I.I.	ES.	rod	Elev
		1306.50			
74				1.2	02.3
85				4.8	01.7
86				5.0	01.5
87				3.0	01.5
88				4.1	01.9
89				6.0	00.5
90				10.1	96.7
T.P.	400	1300.65	985		1296.65
91				2.9	96.8
92				3.5	97.2
+ 30				3.2	97.5
93				3.4	96.8
94				4.4	96.3
95				1.5	96.2
96				4.7	96.0
97				4.3	96.4
98				3.5	97.2
T.P.	954	1307.66	313		1297.52
99				9.3	97.8
+ 07					
100				6.3	00.8
101				4.9	02.2
102				4.4	02.7

Level	02.0	01.5	02.5	01.6	02.0	Level	
"	8	5	2	15	17	"	
"	017	010	11	08	01.7	"	
"	6	5	4	7	17	"	
"	01.4	00.9	16	01.3	00.9	"	
"	5	4	7	7	17	"	
"	01.8	00.9	15	01.4	00.9	"	
"	5	2	11	15	14	"	
"	01.3	22	19	01.6	00.7	"	
"	99.4	00.3	5	12	20	"	
"	22	17	13	17	20	"	
"	99.8	96.1	90	95.6	95.4	"	
"	22	12	6	22	23	"	
Level	95.7	94.4	94.7	95.7	96.1	96.8	"
"	27	26	16	13	11	21	23
"	95.5	95.2	94.2	94.2	95.6	97.5	"
"	29	24	15	24	27	"	
92120 Swamp	92.3	96.1	97.1	95.5	96.1	98.9	"
"	30	23	12	23	28	"	
"	95.3	95.3	95.3	95.6	96.0	"	
"	29	22	16	13	26	28	"
"	95.2	95.9	96.9	95.9	96.2	"	
"	13	12	11	13	"	"	
"	95.2	96.1	96.7	96.7	96.7	"	
"	14	13	4	12	"	"	
"	95.3	96.0	96.0	95.9	95.1	"	
"	14	12	12	14	"	"	
"	95.8	96.2	96.3	95.7	"	"	
"	12	11	12	13	"	"	
"	95.7	97.0	97.1	96.8	"	"	
"	12	"	12	13	"	"	
"	97.5	97.5	97.3	96.3	"	"	
"	26	23	"	12	"	"	
99108 Swamp	"	"	"	"	"	"	
"	011	99.5	00.8	99.3	01.0	"	
"	26	24	16	23	29	"	
"	02.3	01.3	02.1	01.2	02.3	"	
"	27	24	16	23	26	"	
"	02.2	01.1	03.7	03.0	"	"	
"	26	24	21	23	"	"	

Sheet 3
Sheet 4
30"x25" cement
culvert

T Sta	B.S.	I.I.	F.S.	Rod	Elev.
		1307.06			
103				5.8	01.3
BM			5.08		1301.98
+79				5.2	01.9
104				4.5	02.6
105				0.8	06.3
106				0.8	06.3
T.P.	5.50	^{5.09} 1312.15	0.1		1306.65
107				7.9	01.3
+83					
108				8.0	01.2
109				6.7	05.5
110				4.9	07.8
111				2.2	10.0
BM			113		1311.02

May 20-19

	5.90	1316.92			1311.02
112			4.2		18.7
113			2.9		17.5
114			2.0		14.9
115			4.7		12.2
116			4.6		12.3
117			3.0		13.9
118			1.5		15.1

5-19-19 Windy.

L	I	R
level	01.0 22	01.1 25
BM spike in tele pole 28' R Sta. 103 + 45		
level	02.4 13	02.5 3
"	03.4 13	03.2 24
"	07.4 13	06.6 13
level	07.7 14	05.7 7
"		06.0 14
"	04.2 14	01.9 10
12' x 24' C.I.P.		03.8 19
"	01.4 15	03.6 4
"	06.7 18	05.1 14
"		05.9 6
"	02.3 14	07.9 11
level		07.3 17
"		08.7 19
level	10.0 10	10.0 13
BM spike in tele pole 24' R Sta. 110 + 70		12.5 16
level	15.3 15	13.7 16
"	15.4 18	14.6 27
"	13.3 21	14.8 25
"	12.5 21	12.1 24
level	12.9 19	12.2 20
level	15.4 16	14.3 21
level		level

9

	B.S.	I.I.	F.S.	Rod	Elev
BM	205	1319.45			1317.60
131				3.7	16.3
132				4.1	13.9
133				6.9	12.5
See Transit Notes.					
134				7.3	12.4
135				5.6	14.1
136				3.0	16.7
TP	592	³⁵³ 132578	039		1319.26
137				5.1	20.1
138				7.7	20.8
139				5.8	19.7
140				8.1	19.1
141				9.7	20.5
142				7.7	20.5
+70				3.5	21.7
143				4.2	20.9
150				5.1	20.1
144				7.0	21.2
145				1.8	23.4
145				2.1	23.1
146				5.7	19.5
TP	795	⁷⁸⁹ 133057	306		1322.12
+60				11.4	19.7

5-21-19-

	L	d	R
Carried forward			
	Level 160 ³	14.3	16.9
		15	17
	Level 139	13.6	Level "
	Level 11.9	12.9	11.9
	"	9	5 6
Culvert 12"x26.			
	Level 112.9	11.6	Level
		5 6	
	Level 17.9	4.1	Level
	20	16	9
			Level
	X	X	
	Level 201	20.5	Level
		20	
	Level 193	18.7	"
		20	21.3
	Level 18.7	18.2	Level "
	22	21	7
			Level
	210	20.5	21.2
	15	12	3
	Level 217	21.9	"
		3	7
	Level 209	21.2	"
		1	8
	Level 193	20.1	19.5
	14	10	2 22
	Level 213	21.3	"
		5	8
	Level 231	23.1	"
		6	9
	Level 231	23.6	"
		9	10
	Level 18.6	17.8	Level
	21	12	
			Level

Follow East Edge of Road

5-21-19.

Sta	B.S.	41 1330.07	F.S.	Rod	Elev
147				8.8	213
148				5.3	248
149				5.2	249
150				7.5	256
151				4.7	257
152				4.0	261
153				4.6	255
154				8.2	219
155				8.5	216
156				8.1	220
B.M.	4.87	1329.31 ⁷⁶	563		1329.44
157				7.5	218
+60				7.7	216
158				6.5	228
159				5.4	239
+25				4.1	25.2
+00				6.2	23.1
161				4.7	24.6
+55				6.1	23.2
162				8.2	21.1
+35				9.3	20.0
163				9.0	20.3
+50				6.7	22.6
164				7.9	21.4

	L	R	P
level	223	213	213 218 level
"	17	12	6 9
"	251	245	245 252 254 "
"	14	9	8 11 15
"			level "
"	260	256	256 259 "
"	"	9	6 15
"			level "
"			level "
"	248	252	255 260 "
"	29	18	6 8
"			level 214 234 "
"			4 25
"			level 216 221 227 "
"			6 15
"			level 220 224 230 "
"			6 8 23
B.M. spike intel pole. 2518.156 + 40° (beat nail)			
"			level 218 224 232 level
"			6 8 24
"			216 221 "
"			20
"			level 234 238 236 "
"	12	"	3 4
"	242	239	242 level
"	14	13	10
"			level
"			level 238 level
"			11
"	256	246	246 258 "
"	18	16	6 9
"	248	232	240 253 "
"	15	10	6 9
"			level 182 202 211 198 "
"	20	13	26
"			level 163 202 179 179 16.6 "
"	15	10	9
"			level 124 203 190 "
"			27
"	246	232	226 243 "
"	18	14	3 10
"	255	244	244 257 "
"	19	10	4 8

Follow post Elev

II	STA	B.S.	H.I.	F.S.	Rod	Elev
	165				5.4	23.9
	166				5.6	23.7
	TP	0.03	¹⁹⁷ 1327.34	500		1324.31
	167				1.3	23.0
	+45				1.9	22.4
	168				4.4	19.9
	+50				7.6	16.7
	169				10.1	14.2
	170				13.7	10.6
	171				14.6	09.7
	+60				14.6	09.7
	172				13.3	11.0
	173				9.0	15.8
	TP	622	²⁵⁰ 1321.84	872		1315.62
	174				5.8	16.0
	175				8.1	13.7
	176				4.5	17.3
	BM.		252			1317.32
	177				5.2	16.9
	178				8.1	13.7
	179				8.9	12.9
	180				6.2	15.6
	181				5.0	16.8
	TP	142	³ 1321.87	439		1317.45

5-21-19

J.F.P.

E.M.

A. Zigmund.

L & R

	level	23.0	23.7	23.7	24.2	"
		12	10	9	11	
	level	23.0	23.4	23.4	24.3	"
		24	22	17	22	
	level	19.9	19.9	19.9	21.4	20.9
		27	21	9	18	24
	level	16.7	17.1	17.7	20.0	"
		18	17	25	31	
	level	11.0	12.0	14.2	17.0	15.0
		33	13	9		
	level	06.6	10.6	10.6	10.2	level
		12	6	16	24	
	level	09.0	09.7	09.0	08.7	incline
		14	12	5	24	
	level	09.9	11.0	11.0	10.2	11.5
		17	15	16	20	24
	level	15.3	15.3	15.1	16.1	level
		7	12	23		
	level	14.5	16.0	16.0	16.7	level
		30	13.1			
	level	11.6	13.7	13.7	14.7	level
		13	11	10	10	
	level	16.4	15.6	15.6	15.6	level
		17	10	10	10	

Covert
Needed.

Below East edge
of Road

BM spike in fence post 26' R sta 176+55.2

12

STA	RS.	HI.	F.S.	Rod	Elev.
		1321.87			
172				9.9	17.0
+65				5.3	15.6
183				7.9	14.5
184				7.7	14.2
185				6.5	15.4
186				4.2	17.7
187				3.1	18.8
188				1.4	20.5
T.P.	1103	¹⁴²⁷ 1332.14	076		1321.11
189				6.5	25.6
190				1.5	30.6
T.P.	8.14	⁷³⁶ 1339.50	078		1331.36
191				6.5	33.0
192				4.2	35.3
+53				3.6	35.9
193				3.9	35.4
194				4.7	37.8
195				7.3	35.2
196				5.2	37.3
+75				4.1	35.4
197				7.1	35.1
+50				5.1	37.1
198				4.0	35.5
T.P.	9.95	⁵⁰⁰ 1344.50	395		1335.55

5-21-19.

L	+	R
155	170	170
24	10	6
Level	156	177
	3	8
	24	24
128	145	135
33	11	5
Level	142	142
14.1	134	134
24	22	13
Level	134	134
	9	10
	10	10
Level	175	172
	15	14
	20	20
	10	10
Level	199	199
	26	10
256	252	252
15	14	1
	10	10
Level	313	309
	16	11
	1	1
Level	359	359
	18	18
Level	349	340
	6	7
11	353	365
	16	30

follow east edge of road

13.8
J.M.G.

		1344.50		
198+35			8.2	363
199			10.0	345
200			9.0	355
201			4.4	40.1
202			4.3	40.2
203			8.0	365
+ 35			8.1	364
204			11.3	33.2
TP.	0.25	1332.80	10.75	1333.75
+ 50			4.0	298
205			4.7	29.1
+ 50			4.6	29.2
206			6.2	27.6
207			10.7	23.1
+ 75			11.0	22.9
208			9.1	24.7
+ 50			7.8	26.0
209			8.7	25.1
BM		772		1326.88

Continued on next page

L & R

	37.3	36.3	36.3	37.3	Level
	18	13	9	12	
					Level
Level	34.7	35.5			Level
	23	9			Level
					Level
Level	37.5	36.5	36.5	36.0	Level
	16	13	9	8	
Level	37.0	36.4			Level
	18	14			Level
	29.0	25.2	28.4	29.8	29.8
	26	15	10	6	5
					8
	30.9	29.0	29.0	27.1	28.7
	33	13	3	4	33
					Level
			29.2	31.2	Level
			17	25	
	25.6	27.6	27.6	30.0	Level
	25	10	8	14	
	21.5	21.7	23.1	23.1	22.0
	27	10	6	5	11
					25
	29.3	28.8	28.8	21.8	Level
	25	1	2	7	
	26.6	29.7	24.7	25.9	25.3
	14	10	4	8	25
		26.0	26.0	27.2	Level
		25	7	10	
	25.8	25.1			Level
	23				

Follow East Edge of Road

Top East 1/4 cor Sec 20 Stn 209+74.9

Sta	B.S.	I.I.	F.S.	Red	Elev
BM	378	1329.86			1326.08
210				1.0	28.9
211				0.5	29.4
+25				0.3	29.6
212				1.8	28.1
213				7.0	22.9
+65				6.9	23.0
+85				5.7	27.2
214				6.1	23.8
+50				8.6	21.3
215				8.5	21.9
216				9.2	20.7
217				9.1	20.8
+75				7.8	22.1
218				8.8	21.1
T.P.	6.72	^{1.53} 1328.31	8.27		1321.59
219				8.0	20.3
+50				7.8	20.5
220				6.5	21.8
221				1.5	26.8
T.P.	11.63	^{10.37} 1338.68	12.6		1327.05
+60				7.8	30.9
222				4.7	31.0
T.P.	12.73	^{12.11} 1350.79	0.62		1338.06

5-22-19.
F.M.
J.F.P.
G.Z.

32
30

		L		R	
Top Iron pipe East 1/4 Cor Sec 20 Sta 2094740					
Level					
		294	294	300	
		8	8	8	
302	30.9	296	294	311	30.6
33	19	12	5	8	20
		253	250	251	30.9
		33	7	9	20
202	202	228	228	235	26.3 Fence
33	17	7	5	7	25
		241	230	230	Level
		33	12		
Level	253	242	242	246	23.0
		15	7	9	25
277	247	238	238	248	23.7 Fence
33	16	6	5	10	25
		Level		213	201
				11	12
			214	214	202
			6	25	
213	207	207	207	216	Level
33	11	13	16		
Level	202	201	202	216	22.3 Fence
		17	8	7	12
		Level		221	222
				16	17
		11	211	210	217
				9	14
					25
		Level	18.6	203	203
			17	8	
Level	175	205	205	198	19.9
		17	4	5	8
Level	20.2	208	215	218	21.6
		15	10	7	5
Level	252	268	268	268	25.9
		4	7	4	12
Level	289	305	310	304	21.8
		15	9	5	21
Level	210	310	325	323	Level
			5	10	21

