

Dr. 9 BK. 10

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

Locations Survey

RAMSEY Co. FAIR GROUNDS
Race Track Sewer Location
From Pipe Line Loc. To Pump Ho. Loc.

Road Acc't. No. _____

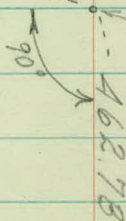
Date Filed 2-6-59

File Dr 9 BK 10

FAIRGROUNDS RACETRACK

A-A-BASELINE

□-- 903' --- White Bear Ave.
0+00



--- R=150.78 4+62.78

93.15.5

5+55.98

93.15.5

6+49.09

8+70 End Prop.

E-W Profile

Sta	+ - -	Elev
BM	1.68	941.56
		939.88

2+00

+41

+61

+76

3

+50

A

+50

+62.78

FK
LB
JM
CW

March 26, 1954
Pleasant 50°

2

Top Great Lakes Pipe Line Post

29.1

12.5

23.6

18.0

23.7

17.9

25.1

16.5

25.4

16.2

25.6

16.0

27.1

14.5

28.8

12.8

34.4

7.2

Sta	+	π	-	Elev
-----	---	-------	---	------

		941.56		
--	--	--------	--	--

5

+35

+45

+57

+73

6

TP	8.44	948.32	1.68	939.88
----	------	--------	------	--------

+49.09

7

+38

March 26, 1956

33

33.8

7.8

36.6

5.0

38.5

3.1

3.1

38.7

2.9

2.9

37.2

4.4

4.4

39.3

2.3

2.3

43.0

5.3

5.3

45.9

2.4

2.4

47.2

1.1

1.1

Sta + π - Elev

948.32

240

5072

7+69

8

+29

+51

+71

9

BM

+240 950.72 (950.70)

950.72
240
950.72

2 March 26, 1956

A.

47.0

41

1.3

44.3

1.0

42.7

5.6

42.1

6.2

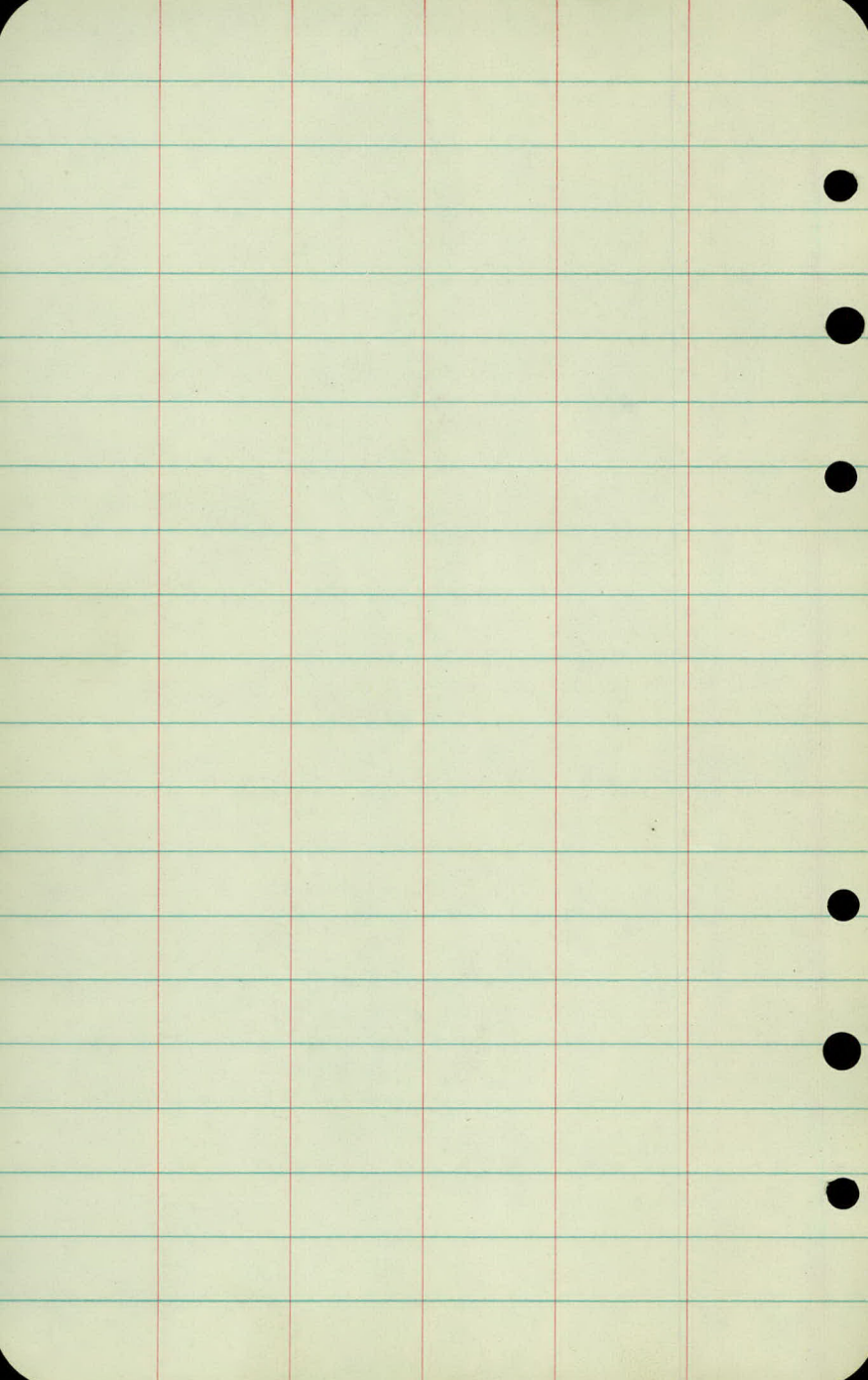
42.3

6.0

43.7

1.6

Spike in End Rail Fe Post



5
RAMSEY CO. FAIRGROUNDS

Racetrack x-sections

Sta + π - Elev

BM 0.23 950.93. (950.70)

T.P. 1.84 940.96, 11.81 939.12 .

2+75

✓

+95

✓

✓

3+05

FK
JM

± March 29, 1956

6

Lt

Rt

Spike in End Rail fe. Post

24.6	24.6	24.8	24.9	25.9	26.7	28.1
16.4	16.4	16.2	16.1	15.1	14.3	12.9
55	34	15		21	40	62

24.7	24.9	22.0	31.0	29.4
16.3	16.1	9.0	10.0	11.6
82	100	100	93	83

24.4	24.2	24.2	25.1	26.6	26.4	27.3
16.6	16.8	16.8	15.9	15.4	14.6	13.7
58	39	17		17	32	50

24.6	24.7	25.9	31.9	30.0	28.6
16.4	16.3	15.1	9.1	11.0	12.4
80	100	120	100	88	72

28.7	27.4	34.5	37.0
12.3	13.6	6.5	4.0
150	136	115	128

23.9	23.9	24.0	24.0	24.8	25.1	26.4	27.1	28.3
17.1	17.1	17.0	17.0	16.2	15.6	14.6	13.9	12.7
69	51	32	16		15	32	50	68

Platted

Sta + π - Elev

940.96.

3+05

✓

+27

TP

184

92912

March 28 1956

3

LT

RT

26.0	24.9	24.3	24.1	29.7	32.5	33.7
15.0	16.1	16.7	16.9	11.3	8.5	7.3
135	115	100	86	85	95	100
28.1	29.1	29.9	30.9		388	35.9
12.9	11.9	11.1	10.1		22	5.1
152	170	187	200		132	114

23.5	22.4	23.1	24.5	25.8	26.4	27.9
17.5	17.6	17.2	16.5	15.2	14.6	13.1
60	37	18		18	36	56

23.2	23.6	23.2		34.0	33.1	30.4
17.8	17.4	17.8		7.0	7.9	10.6
76	91	100		100	87	73

26.4	24.6	23.8		34.9
14.6	16.4	17.2		6.1
155	134	116		114

27.3	27.8	29.1	31.1
13.7	13.2	11.9	9.9
171	185	200	213

32.2

8.8
225

Plattico

Sta	+ π	- Elev
-----	---------	--------

8

Sta + π - Elev

BM 0.23 950.93

950.70

2+95

3+05

+27

BM 0.03 950.73 0.23 950.70

March 29, 1956

9

RT

Spike in End Rail Fe. Post

40.9 41.9

10.0 9.0

143 150

42.5

8.4

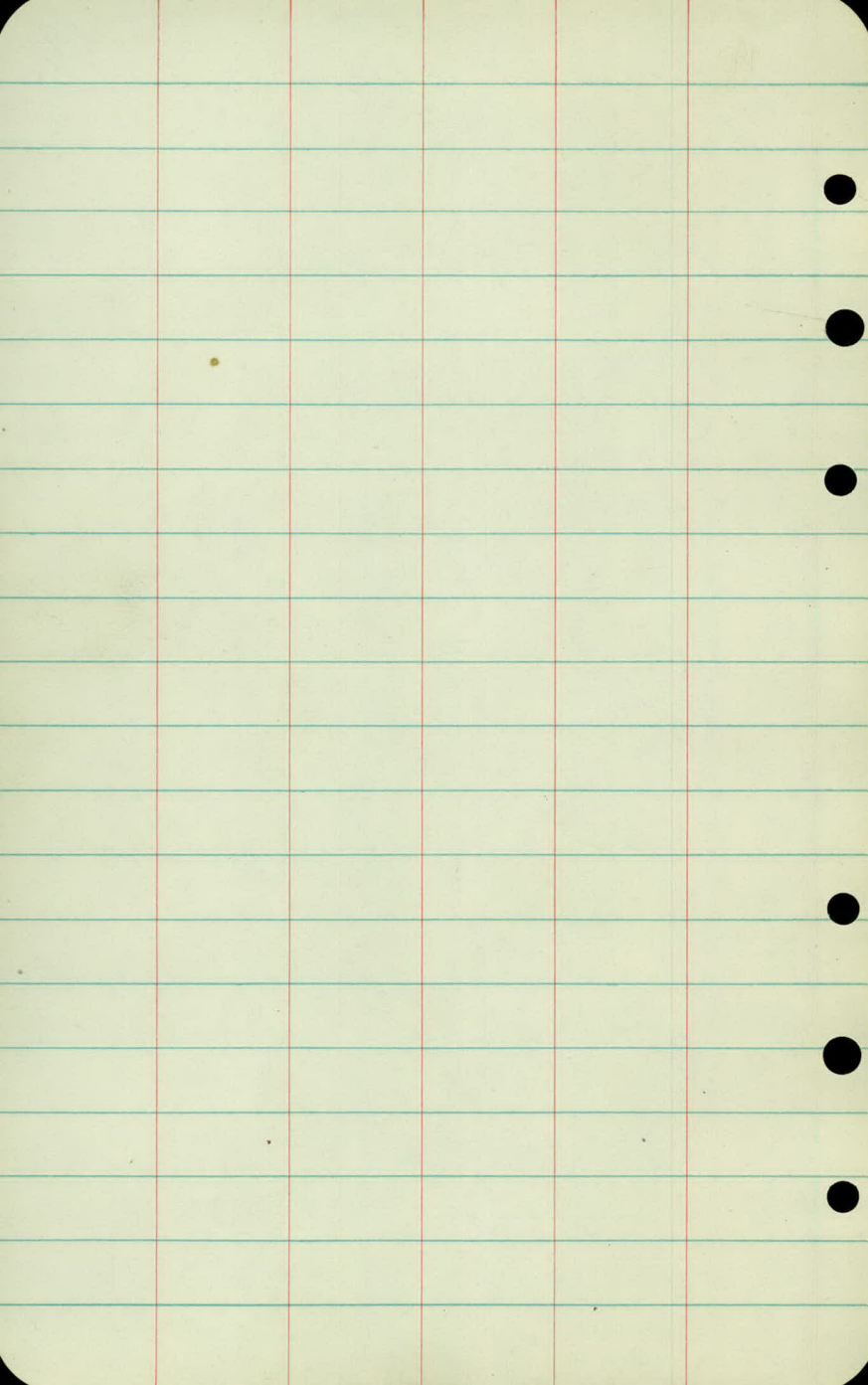
150

39.7 43.2 ✓ 43.7

11.2 7.7 7.2

131 142 150

plotted.



Fairgrounds Race Track

x-sections.

BM 0.03 950.73 950.70 ✓

TP 0.55 939.67 11.61 939.12

3+50

✓

✓

A

93988 Top GL FL Post April 2, 1956

FX
JM
CW

Lt

Rt

Spike in End Rail Fe Post

stump

24.4

15.3

150

Water

26.1

13.6

170

24.2

15.5

36

26.7

13.0

180

24.7

150

22

27.6

12.1

195

25.5

14.2

27.3

12.4

34

29.0

10.7

56

32.9

6.8

73

37.0

2.7

96

24.2

15.5

259

29.2

10.5

240

32.9

6.8

225

30.8

89

219

Fe

25.4

14.3

71

26.6

13.1

50

27.4

12.3

24

27.3

12.4

28.5

11.2

28

31.5

8.2

54

34.0

5.7

76

37.6

2.1

93

24.2

15.5

81

Water

24.3

15.4

153

24.8

14.9

175

32.0

7.7

225

29.6

10.1

217

Fe

26.8

12.9

194

Sta + π - Elev

939.67

A

+35

✓

✓

✓

+ 73

April 2, 1956

82

RT

14
24.6
15.1
258
25.3
14.4
250
31.0
8.7
237

27.0
12.7
61
27.5
12.2
40
28.2
11.5
19
28.3
11.4
8
28.3
11.4
24
29.9
9.8
44
32.2
7.5
44
34.6
5.1
68

26.4
13.3
82
25.0
14.7
100
24.3
15.4
116

37.2
2.5
86

26.7
13.0
200
26.3
13.4
194
25.0
14.7
164
25.0
14.7
136

28.6
11.1
214
Fe
32.8
6.9
229
25.3
14.4
253

29.8
9.9
93
30.9
8.8
66
32.1
7.6
44
32.1
7.6
22
31.7
8.0
31
29.5
10.2
31
31.9
7.8
46
34.8
4.9
63
37.1
2.6
83

38.3
1.4
90

Sta + π - Elev

939.67

4+73

✓

✓

5

138
27
9

April 2, 1956

13

RT

11

27.6
12.2 12.4 11.2 10.9
187 156 127 100

27.4
12.3 10.7 8.1
200 21.9 228
Fe

31.6
25.7
14.0
257

31.7 33.0 33.6 34.0 33.9 33.2 32.4 33.5 33.2
8.0 6.7 6.1 5.7 5.8 6.5 7.3 6.2 6.5
100 72 47 23 18 36 46 60

30.8 29.4 27.9 27.9
8.9 10.3 11.8 11.8
122 146 170 191

38.1 35.1
16 46
90 76

29.1 28.7 27.8
10.6 8.9 11.0 11.9
243 230 218 200
Fe

25.7
14.0
258

Sta + π - Elev

939.67

5+33

BM

+0.18 939.85 (939.88)

Sta	+	x	-	Elev
BM	0.03	950.73		950.70

3+50

BM	5.90	956.60	0.03	950.70
----	------	--------	------	--------

+50

✓
A

April 2, 1956

15

Spike in End Rail Fe Post

46.5	43.1	44.6	45.9
10.2	7.6	6.1	4.8
118	135	143	168

Spike in End Rail Fe Post

48.0	49.5	50.7	52.2
8.6	7.1	5.9	4.4
183	201	218	240

56.0	55.9	54.9	53.5
0.6	0.7	1.7	3.1
300	296	280	259

11.5
59
9.8

39.2	42.7	45.4	47.1
17.4	13.9	11.2	9.5
100	118	138	157

52.1	51.2	49.9	48.3
4.5	5.4	6.7	8.3
235	218	200	177

53.2	54.2	55.3	55.6
3.4	2.4	1.3	1.0
256	277	293	300

Sta + π - Elev

956.60

A+35

✓

✓

+73

April

1/2

27

RT

39.6	43.2	46.7	48.7
170	134	99	79
100	118	138	159

52.2	51.6	51.1	50.2
44	50	55	64
240	220	200	183

53.1	54.1	54.4	54.8
3.5	2.5	2.2	1.8
266	287	296	300

40.1	43.3	46.8	49.3
16.5	13.3	9.8	7.3
100	117	141	166

50.8	50.4	50.2	50.2
5.8	6.2	6.4	6.4
242	216	200	189

51.6	52.5	53.2	53.6
5.0	4.1	3.4	3.0
264	284	296	300

Sta

+

π

-

Elev

956.60

5

✓

✓

+33

BM

5.89 950.71 (950.70)

April 2, 1956

13

Lt

Rt

Rt

39.7	43.1	45.7	48.0
16.9	13.5	10.9	8.6 ✓
100	120	139	158

50.2	49.5	49.3	48.8
6.4	7.1	7.3	7.8 ✓
243	221	200	181

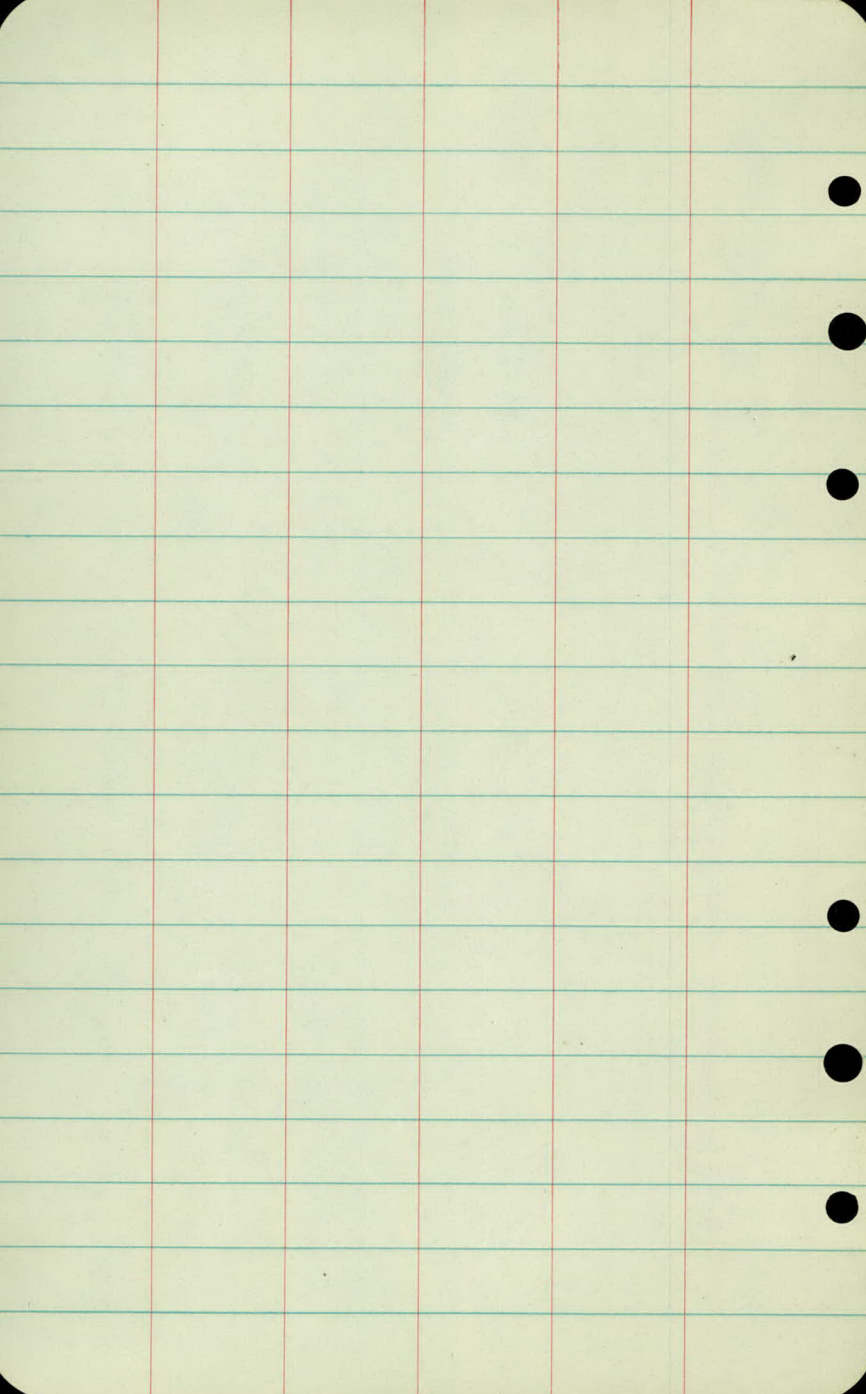
51.2	52.2	52.5	52.7
5.4	4.4	4.1	3.9
269	290	294	300

39.2	41.1	43.1	45.2
17.4	15.5	13.5	11.4 ✓
100	120	136	152

49.4	48.1	48.7	48.5	47.2
7.2	8.5	7.9	8.1	9.4 ✓
252	230	200	192	172

50.1	50.6	50.8
6.5	6.0	5.8
276	295	300

Spike in End Rail Fe post



Sta + π - Elev

BM 2.49 942.34

939.85

5+40

+53 Duplicate 5+40

5+66

April 2, 1956

194

Lt

Rt

Top Great Lakes Pipe Line Post

35.2	35.7	36.5	37.4	38.1	39.5	40.6	41.7	
7.1	6.6	5.8	4.9	4.2	2.8	1.7	0.6	0.0
89	68	46	23		23	47	73	85

34.8	34.0	33.1	32.1
7.5	8.3	9.2	10.2
100	119	143	167

39.1	34.1	31.4	31.4
12.2	11.2	10.9	10.9
236	218	200	192

29.2	27.1
13.1	16.2
251	263

36.1	36.8	37.7	38.1	38.6	39.1
6.2	5.5	4.6	4.2	3.7	3.2
67	43	22		21	37

35.3	34.6	34.5	34.4
7.0	7.7	7.8	7.9
86	100	120	134

Sta	+	π	-	Elev
-----	---	-------	---	------

		94234		
--	--	-------	--	--

5+66				
------	--	--	--	--

✓				
---	--	--	--	--

6+00				
------	--	--	--	--

April 2, 1956 20

RT

LT

30.6	30.8	31.0	32.3
11.7	11.5	11.3	10.0
224	200	187	157
Fe			

✓

30.9	30.3	25.7
11.4	12.0	14.6
236	250	266

✓

39.0	38.8	38.9	39.0	39.3	39.9	40.9	40.1
33	35	34	33	30	24	14	22
85	61	40	18		22	48	69

+

38.6	37.3	35.1	33.0	41.0	40.7	39.7
3.7	5.0	7.2	9.3	1.3	1.6	2.6
100	120	142	165	100	95	82

✓

29.9	30.6	31.0	31.5
12.4	11.7	11.3	10.8
230	222	200	187

✓

29.8	26.5
12.5	15.8
253	272

✓

Sta + x - Elev

942.34

6+30

✓

6+59.3

April 2, 1956

21

14

RT

41.1	41.0	41.3	41.9
1.2	1.3	1.0	0.4
77	48	23	

✓

40.7	39.1	36.8	34.5
1.6	3.2	5.5	7.8
108	123	148	175

✓

28.9	31.5	32.4
13.4	10.8	9.9
244	233	200

✓

29.2	26.9
13.1	15.4
257	277

✓

36.6	37.9	38.8	40.2
5.7	4.4	3.5	2.1
188	167	144	121

✓

35.2	33.4	32.0	28.4
7.1	8.9	10.3	13.9
200	216	237	253

FC

28.7

Begin Side track 12.6
270 ←

Sta	+	π	-	Elev
-----	---	-------	---	------

		942.34		
--	--	--------	--	--

7+00				
------	--	--	--	--

✓				
---	--	--	--	--

✓				
---	--	--	--	--

+40				
-----	--	--	--	--

+75				
-----	--	--	--	--

April 2, 1956

22

LT

RT

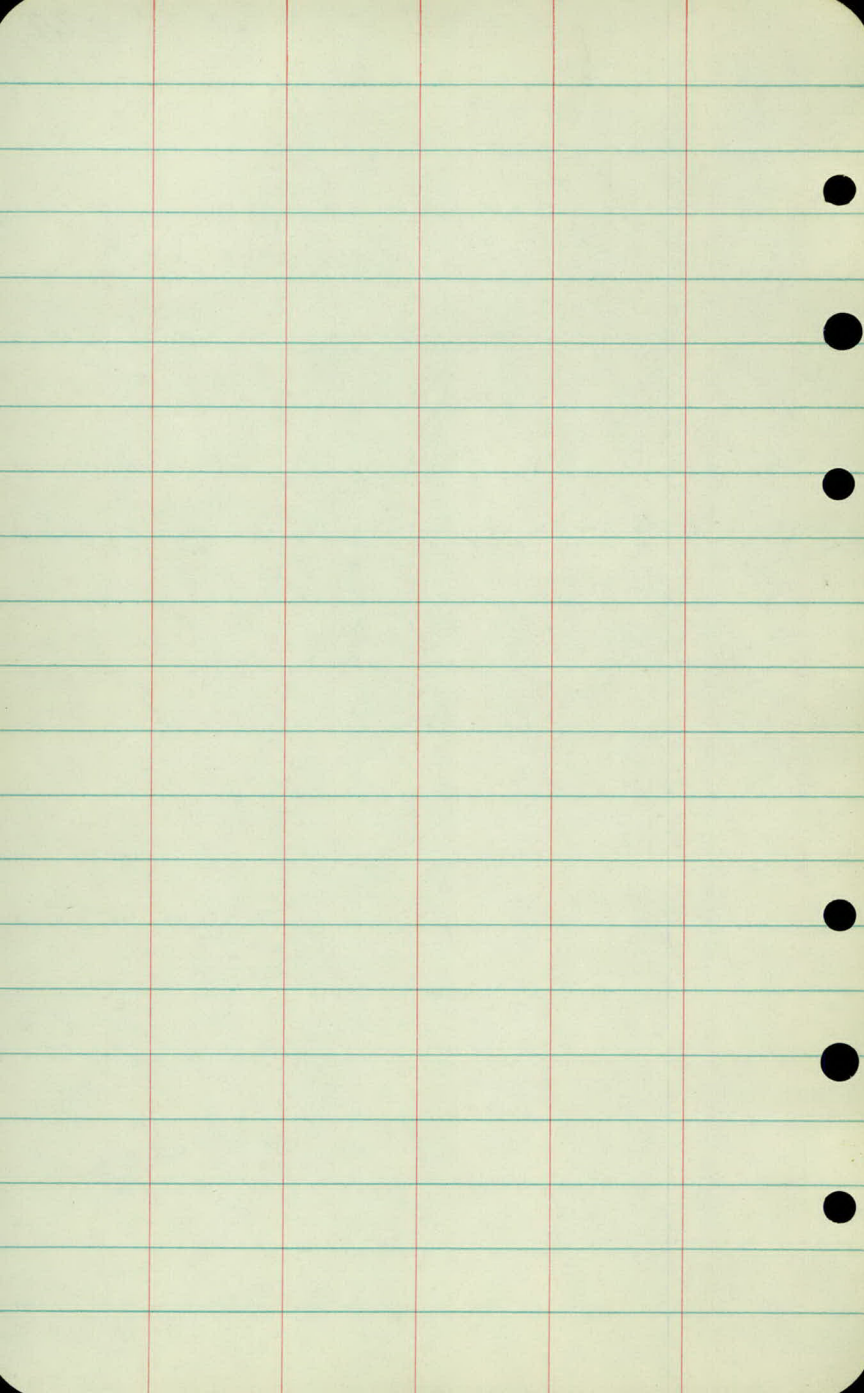
34.7	36.1	37.6	38.8
7.6	6.2	4.7	3.5
200	189	173	149

32.3	31.0	30.4
10.0	11.3	11.9
214	224	234

28.6	28.9	29.4
13.7	13.4	12.9
276	265	250

33.1	35.1	37.1	38.4
9.2	7.2	5.2	3.9
200	186	165	146

33.4	35.7	37.4
8.9	6.6	4.9
200	180	163



Sta + π - Elev

BM 14.49 954.34 939.85

5+40

5+53 Duplicate 5+40

5+66

April 2, 1956

24

21

At

Tip Great Lakes Pipe Line Post

43.0	44.0	45.0	46.0
11.3	10.3	9.3	8.3
100	122	146	169

48.6	47.8	47.0	46.7
5.7	6.5	7.3	7.6
244	220	200	191

49.8	50.4	50.6	50.8
4.5	3.9	3.7	3.5
271	290	295	300

40.4	40.5	41.4	43.8
13.9	13.8	12.9	10.5
61	87	100	124

48.0	47.8	47.8	45.7
6.3	6.5	6.5	8.6
200	186	163	141

48.5	49.2	51.0	52.4	52.7
5.8	5.1	3.3	1.9	1.6
217	239	264	293	300

Sta + π - Elev.

954.34

6+00

✓

✓

+ 30

April 2, 1956

25

21

RT

40.9	42.9	46.4	46.8
13.4	11.4	7.9	7.5
100	119	150	174

49.5	48.3	47.4
4.8	6.0	6.9
243	221	200

51.4	53.0	53.6	54.0
2.9	1.3	0.7	0.3
260	285	293	300

42.7	43.0	41.9	40.2	41.2
11.6	11.3	12.4	14.1	13.1
25	53	74	85	100

46.4	44.2	42.7
7.9	10.1	11.6
178	154	127

47.9	48.8	50.4	52.1
6.4	5.5	3.9	2.2
200	218	237	260

53.8	53.5	53.2
0.5	0.8	1.1
300	293	281

Sta + π - Elev

954.34

6+59.3

✓

7+00

April 2, 1956 26

LT

RT

42.2

42.6

42.8

42.5

44.1

43.5

42.2

12.1
76

11.7
51

11.5
28

10.7

10.2
24

10.8
47

12.1
69

41.5

12.8
100

42.5

11.8
100

41.8

12.5
86

41.1

13.2
78

43.2

11.1
119

44.5

9.8
142

46.3

8.0
167

48.1

6.2
189

53.2

1.1
261

51.9

2.4
238

50.4

3.9
216

49.2

5.1
200

54.0

0.3
283

53.9

0.4
292

53.9

0.4
300

43.3

11.0
91

44.3

10.0
65

44.9

9.4
36

45.7

8.6
15

45.9

8.4

45.4

8.9
23

43.5

10.8
47

42.2

12.1
63

Sta + π ~ Elev

954.34

7+00

+40

± April 2, 1956. 23

L+

R+

✓	40.5	42.9	42.5	42.8	43.0	44.5
	13.8	11.4	11.8	11.5	11.3	9.8
	127	100	79	96	100	119

	50.4	50.0	48.3	46.7
	3.9	4.3	6.0	7.6
	200	187	161	140

	51.1	51.8	51.9	52.5
→	3.2	2.5	2.4	1.8
	221	239	261	279

	52.9	52.9
	1.4	1.4
	300	292

✓	43.7	45.0	45.9	46.9	47.2	45.3	43.4	42.9	43.0
	10.6	9.3	8.4	2.4	7.1	9.0	10.9	11.4	11.3
	89	67	42	21		21	45	69	92

✓	42.8	40.7
→	11.5	13.6
	100	120

	48.3	47.9	45.8	43.8
	6.0	6.4	8.5	10.5
	169	142	123	100

Sta + π - Elev

34
954.43

7+40

✓

+75

April 2, 1956

28

Lt

R1

48.6 49.1 49.2 49.6
5.7 5.2 5.1 4.7
184 200 222 243

50.0 50.1 50.1 49.6
4.3 4.2 4.2 4.7
300 290 285 262

44.8 46.0 46.6 47.1 46.2
9.5 8.3 7.7 7.2 8.1
84 62 40 18 22

43.2 41.0 38.4
16.1 13.3 15.9
100 122 140

47.2 46.2 45.4 44.9
7.1 8.1 8.9 9.4
151 133 116 100

48.6 49.8 50.1 50.5
5.7 4.5 4.2 3.8
167 189 200 214

51.1 51.2 51.4 51.0
3.2 3.1 2.9 3.3
290 274 254 233

51.1
3.2
300

Sta + π - Elev

³⁴
954.43

8+05

✓

+37

April 2, 1936

29

44

44

45.0	45.1	44.6	43.7	43.0	43.2	39.9	45.7
93	92	97	10.6	11.3	11.1	14.4	8.6
58	39	19		20	42	64	86

45.0	43.6	41.8	50.4	48.9	47.7	46.9
93	10.7	12.5	39	5.4	6.6	7.4
78	100	117	161	140	118	100

38.5	40.3	51.7	52.3	52.8	53.2
158	14.0	2.6	2.0	1.5	1.1
150	132	183	200	217	236

52.8	53.0	53.2	53.5
1.5	1.3	1.1	0.8
300	290	279	258

42.2	42.5	42.6	42.3	42.8	43.4	44.4	46.1
12.1	11.8	11.7	12.0	11.5	10.9	9.9	8.2
53	34	18		23	44	67	91

41.9	41.6	41.4	50.8	48.7	47.5	46.6
12.4	12.7	12.9	3.5	5.6	6.8	7.7
73	95	100	160	138	116	100

Sta + π - Elev

954.34

8+37

BM 4.54 ~~954.34~~ 955.02 394 950.90 950.48

8+47

FK
JM
CW

April 2, 1956
April 3, 1956
Damp 45° BT

26

36.9	38.7	40.1	52.4	53.6	54.3	54.6
17.4	15.6	14.2	1.9	0.7	0.0	+0.3
150	132	116	178	200	216	235
			54.6			
			+0.3			
			289			
			54.7			
			+0.4			
			272			
			54.6			
			+0.3			
			300			

Top E Rim MH #6 at Fe

41.1	41.7	42.0	42.0	42.7	43.3	43.9
13.9	13.3	13.0	13.0	12.3	11.7	11.1
61	41	21		20	37	57
41.0	40.8	40.4		48.5	47.2	46.3
14.0	14.2	14.6		6.5	7.8	8.7
78	95	100		139	119	100
				49.8	51.7	53.2
				5.2	3.3	1.8
				155	172	190
						53.5
						1.5
						200

Sta + π - Elev

955.02

8+47

+58

April 3, 1956

30

11

54.2 0.8 218
54.4 0.6 235
54.4 0.6 255
54.5 0.5 274

54.7 0.3 300
54.5 0.5 289

40.3 14.7 66
40.8 14.2 45
41.3 13.7 23
42.0 13.0
42.7 12.3 20
43.5 11.5 42
44.5 10.5 62

40.0 15.0 85
39.8 15.2 100

48.5 6.5 142
47.2 7.8 120
46.3 8.7 100
45.5 9.5 83

50.6 4.4 162
52.3 2.7 184
53.3 1.7 200
54.2 0.8 219

55.0 0.0 300
54.6 0.4 288
54.3 0.7 264
54.3 0.7 242

Sta	+	π	-	Elev
-----	---	-------	---	------

		954.14 955.02		
--	--	------------------	--	--

8+70				
------	--	--	--	--

BM				
----	--	--	--	--

		947.87 7.07 947.95 (948.01)		
--	--	--------------------------------	--	--

April 3, 1956

28

14

84

39.8	40.7	41.5	42.4	43.1	43.7	44.7	46.0
15.2	14.3	13.5	12.6	11.9	11.3	10.3	9.0
58	37	19		18	34	56	79

39.3	38.7
15.7	16.3
80	100

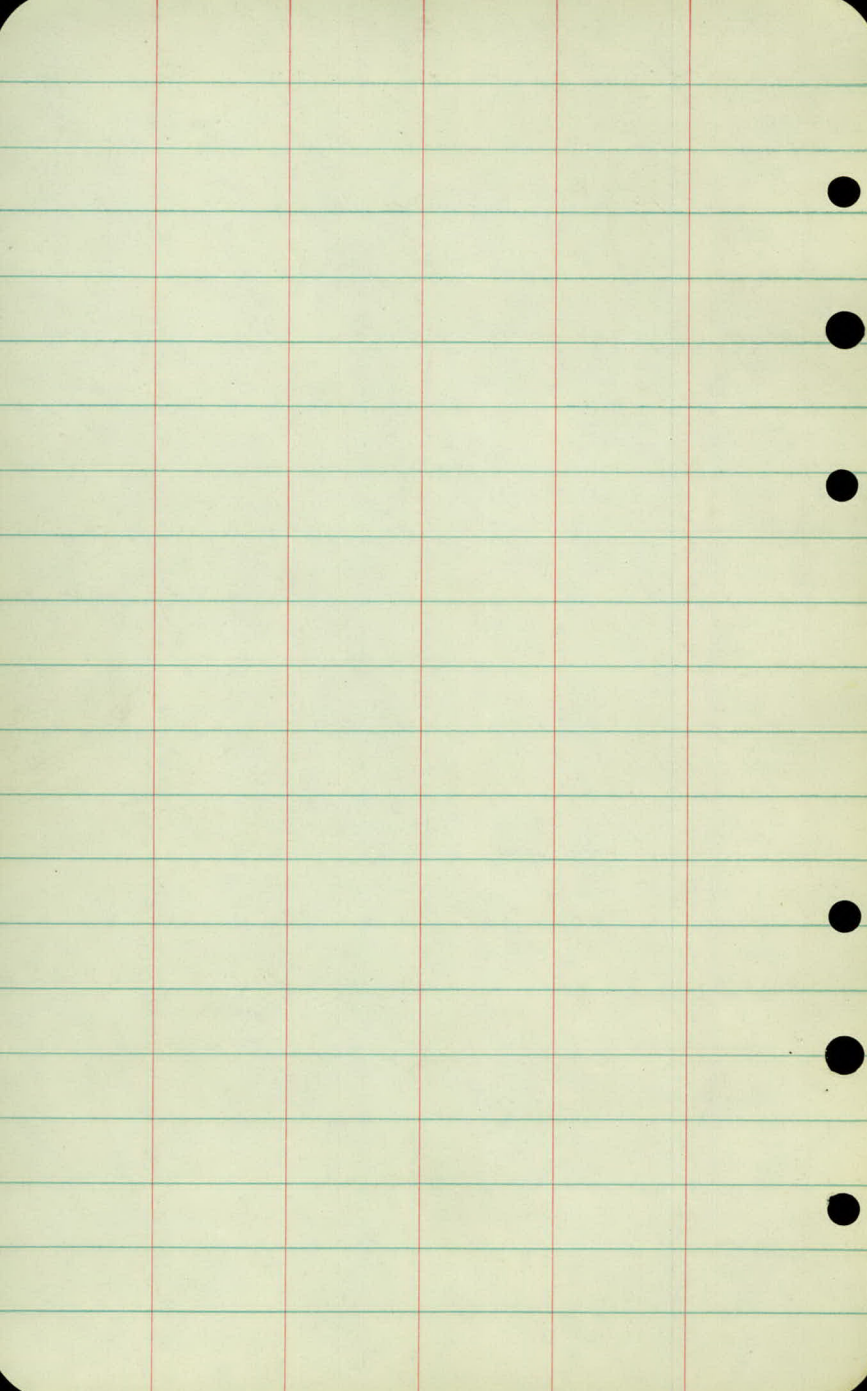
48.2	47.2	46.6	46.4
6.8	7.8	8.4	8.6
136	118	100	96

49.8	51.2	52.5	53.0
5.2	3.8	2.5	2.0
155	171	190	200

53.9	54.0	54.2	54.0
1.1	1.0	0.8	1.0
273	255	238	219

54.0	54.4
1.0	0.6
287	300

Top E Rim M H #7



Van Dyke St. - Base Line

31

RAMSEY CO.

Fairgrounds Parking Area

8+00

90°

339'

Sta. 4+00

Van Dyke St 20+12.6



406.7'

White Bear Ave.

Re. 3/22/56

3 pages

Van Dyke St

Sta + - Elev

BM 1.31 964.32 963.01

1+00

+50

5

+50

6

+50

FK
LC
JM
CW

March 22, 1936

32
2

Lt

Spike in P.P. at N. End of Barn

59.6	59.8	60.0	60.4	
4.7	4.5	4.3	3.9	✓
50	33	21		

58.0	58.2	57.5	57.3	58.0	58.7	
6.3	6.1	6.8	7.0	6.3	5.6	✓
50	37	24	21	18		

56.8	56.4	56.0	56.7	57.2	
2.5	2.9	8.3	7.6	7.1	✓
50	28	23	18		

55.5	55.4	55.1	56.0	56.4	
8.8	8.9	9.2	8.3	7.9	✓
50	28	22	16		

54.9	54.8	54.3	55.2	55.8	
9.4	9.5	10.0	9.1	8.5	✓
50	25	22	15		

54.8	54.5	54.0	54.8	55.4	
9.5	9.8	10.3	9.5	8.9	✓
50	27	22	17		

Von Dyke St.

Sta + X - Elev

96432

7+00

+43

+50

+66

+83

X- Drain 15" x 42'

8

PM

6.23958.09

(95808)

March 22, 1956

33

14

2

54.8	54.3	53.9	54.8	55.0
9.5	10.0	10.4	9.5	9.3
50	26	21	16	

✓

53.80

10.52

W. End 12" X 23' CM

Ent. CM 1/2
22'

54.3	54.5	54.5	54.4
10.0	9.8	9.8	9.9
50	30	17	

✓

53.52

10.80

E. End 12" X 23' CM

Ent 22'

782
590
125
51.34

12.98
20
15" CM

276
390
125
51.41

12.91
22
15" CM

53.9	53.2	51.5	53.9	54.1
10.4	11.1	12.8	10.4	10.2
50	32	24	16	

✓

E. Rm M H #5

Van Dyke St.

Sta + π - Elev

BM 0.03 963.04

963.01

A+00

✓

+50

✓

5

FK
LC
JM
CW

Lt.

March 26, 1956 34
Clear Pleasant 30°
L

Spike in PP at N End of Barn

^{57.8} 5.2	^{58.3} 4.7	^{58.4} 4.6	^{59.0} 4.0	^{59.2} 3.8	^{59.2} 3.8
234	200	181	144	100	75

^{57.4} 5.6	^{56.6} 6.4	^{55.2} 7.8
268	300	339

✓

^{55.9} 7.2	^{56.2} 6.8	^{57.0} 6.0	^{57.4} 5.6	^{57.8} 5.2	^{57.4} 5.4	^{57.9} 5.1
261	233	200	168	136	100	75

^{55.3} 7.7	^{55.1} 7.9	^{53.7} 9.3
300	318	339

✓

^{54.7} 8.3	^{55.4} 7.6	^{56.2} 6.8	^{56.7} 6.3	^{56.5} 6.5	^{56.5} 6.4
230	200	161	132	100	75

^{53.9} 9.1	^{53.4} 9.6	^{53.1} 9.9	^{52.9} 10.1	^{52.1} 10.9
259	284	300	321	339

✓

E Rim MH #5

Sta Van Dyke St.
+ π - Elev.

963.04

5+50

✓

6

✓

✓

+ 50

March 26, 1956

355

Lt.

2

$\begin{matrix} 53.2 \\ 9.4 \\ 232 \end{matrix}$
 $\begin{matrix} 54.6 \\ 8.4 \\ 200 \end{matrix}$
 $\begin{matrix} 54.7 \\ 8.3 \\ 178 \end{matrix}$
 $\begin{matrix} 55.2 \\ 7.8 \\ 144 \end{matrix}$
 $\begin{matrix} 55.3 \\ 7.7 \\ 100 \end{matrix}$
 $\begin{matrix} 55.5 \\ 7.5 \\ 75 \end{matrix}$

$\begin{matrix} 52.7 \\ 10.3 \\ 267 \end{matrix}$
 $\begin{matrix} 52.6 \\ 10.4 \\ 300 \end{matrix}$
 $\begin{matrix} 51.9 \\ 11.1 \\ 321 \end{matrix}$
 $\begin{matrix} 51.3 \\ 11.7 \\ 339 \end{matrix}$

$\begin{matrix} 53.0 \\ 10.0 \\ 200 \end{matrix}$
 $\begin{matrix} 53.5 \\ 9.5 \\ 188 \end{matrix}$
 $\begin{matrix} 54.2 \\ 8.8 \\ 162 \end{matrix}$
 $\begin{matrix} 54.2 \\ 8.8 \\ 132 \end{matrix}$
 $\begin{matrix} 54.5 \\ 8.5 \\ 100 \end{matrix}$
 $\begin{matrix} 54.7 \\ 8.3 \\ 75 \end{matrix}$

$\begin{matrix} 52.7 \\ 10.3 \\ 228 \end{matrix}$
 $\begin{matrix} 52.5 \\ 10.5 \\ 254 \end{matrix}$
 $\begin{matrix} 52.7 \\ 10.3 \\ 269 \end{matrix}$
 $\begin{matrix} 53.5 \\ 9.5 \\ 284 \end{matrix}$
 $\begin{matrix} 52.9 \\ 9.1 \\ 300 \end{matrix}$
 $\begin{matrix} 54.3 \\ 8.7 \\ 321 \end{matrix}$

$\begin{matrix} 53.4 \\ 9.6 \\ 339 \end{matrix}$

$\begin{matrix} 52.0 \\ 11.0 \\ 228 \end{matrix}$
 $\begin{matrix} 52.5 \\ 10.5 \\ 200 \end{matrix}$
 $\begin{matrix} 53.2 \\ 9.8 \\ 163 \end{matrix}$
 $\begin{matrix} 53.5 \\ 9.5 \\ 133 \end{matrix}$
 $\begin{matrix} 54.3 \\ 8.7 \\ 100 \end{matrix}$
 $\begin{matrix} 54.5 \\ 8.5 \\ 75 \end{matrix}$

Sta + Van Dyke St - Elev

963.04

6+50

7

✓

+50

✓

8

11.5
33.5

March 26, 1956

346

LT

9.3	9.3	9.7	10.5	11.5
339	318	300	283	257

11.7	11.6	11.0	10.0	9.1	8.6
231	200	163	129	100	75

11.9	11.7	11.1	10.7	10.5
253	270	300	318	339

11.8	11.9	11.0	10.2	9.5	9.0
200	186	168	136	100	75

pitch

11.4	11.8	11.6	11.6	12.6	12.9
236	259	292	300	317	339

10.1	10.1	10.4	10.3	9.6	9.4
229	200	167	138	100	75

Sta	+	x	-	Elev
-----	---	---	---	------

		963.04		
--	--	--------	--	--

8+00				
------	--	--	--	--

TP	4.87	962.95	4.96	958.08
----	------	--------	------	--------

+33.4				
-------	--	--	--	--

68.4				
------	--	--	--	--

✓				
---	--	--	--	--

✓				
---	--	--	--	--

+63.4				
-------	--	--	--	--

BM				
----	--	--	--	--

4.87	958.08	<u>958.08</u>		
------	--------	---------------	--	--

March 26, 1956

37
7

11 Vandyke St.

^{52.9} 10.1	^{52.7} 10.3	^{53.3} 9.7	^{53.0} 10.0	^{52.4} 10.6
339	322	300	270	256

^{52.8} 10.2	^{52.9} 10.1	^{53.6} 9.4	^{53.6} 9.6	^{52.3} 10.7	^{53.6} 9.4	^{54.0} 9.0
100	86	61	21	12	6	

^{53.3} 9.7	^{52.4} 10.6	^{52.6} 10.4	^{52.9} 10.1	^{54.0} 9.0	^{52.8} 10.2
131	160	189	200	226	251

^{54.7} 8.3	^{55.1} 7.9	^{55.7} 7.3	^{53.5} 9.5	^{52.7} 10.3
339	323	300	283	262

^{52.8} 10.2	^{52.4} 10.6	^{52.7} 10.3	^{53.1} 9.9	^{53.0} 10.0	^{53.3} 9.7	^{54.0} 9.0
200	171	143	100	73	34	

^{53.9} 9.1	^{53.0} 10.0	^{53.4} 9.6	^{55.4} 7.1	^{54.9} 8.1	^{54.4} 8.6
227	251	282	300	320	339

E Rm MH #5

N° 00°

89°24'

90°

85°24'

88°

5-8°30'E

E 89°24'

Fair Grounds X-Section

Van Dyke St.

8+50

8+70

REC. 3/28/56

Sta + π - Elev

BM 1.26959.34 958.08

8+50

8+70

8+33.4 other Notes on dyke at

FA
CW
JM

March 27, 1956

39
2

LT

Top E. Rim MH #5

52.8	52.9	53.0	53.1 ^A	53.3	53.0	52.4 ^A	
6.5	6.4	6.3	5.9	6.0	6.3	6.9	✓
127	100	75	39	14	8		

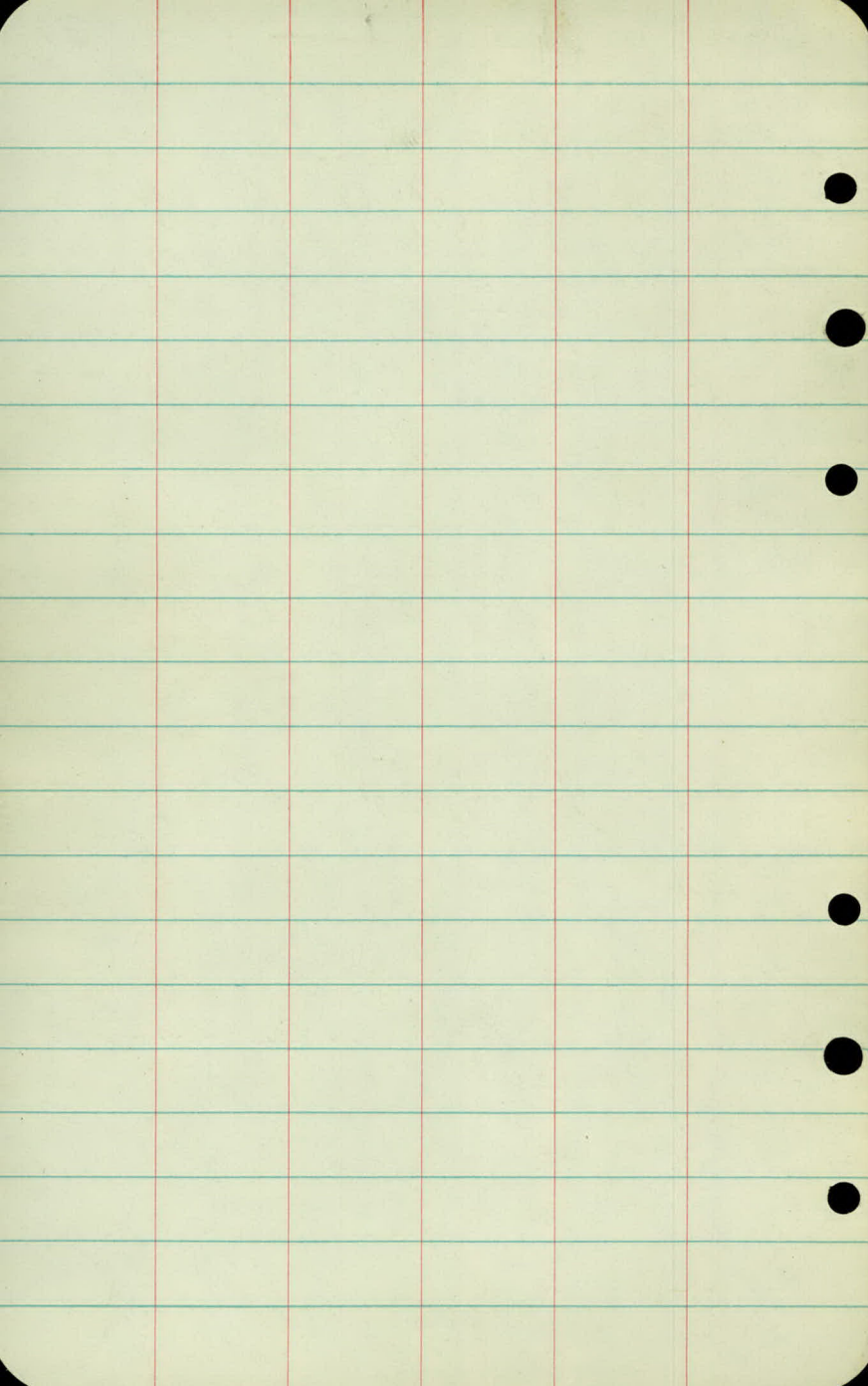
52.3	52.5	52.5	53.8	52.8	52.6	
7.0	6.8	6.8	5.5	6.5	6.7	✓
154	174	200	231	256	281	

54.5	55.3	55.9	53.6
4.8	4.0	3.4	5.7
339	325	308	300

52.1 ^A	52.8	53.0	53.0	53.2	54.1
6.9	6.5	6.3	6.3	6.1	5.2
164	126	100	65	32	

52.7	53.8	52.7	53.0	53.6	53.1
6.6	5.5	6.6	6.3	3.7	4.2
200	235	263	300	303	320

54.0
5.3
339
53.9
5.45



N. St. Paul Sewer Location
at

RAMSEY Co. POOR FARM

Rec. & Plotted 1/7/55

Sta	Point	ΔL	ΔR
-----	-------	------------	------------

5+90.70N	P.I.		
----------	------	--	--

0+00	P.O.T. on $\frac{1}{4}$ Line		
------	------------------------------	--	--

0+98.18S	P.I.	$0^{\circ}16''$	
----------	------	-----------------	--

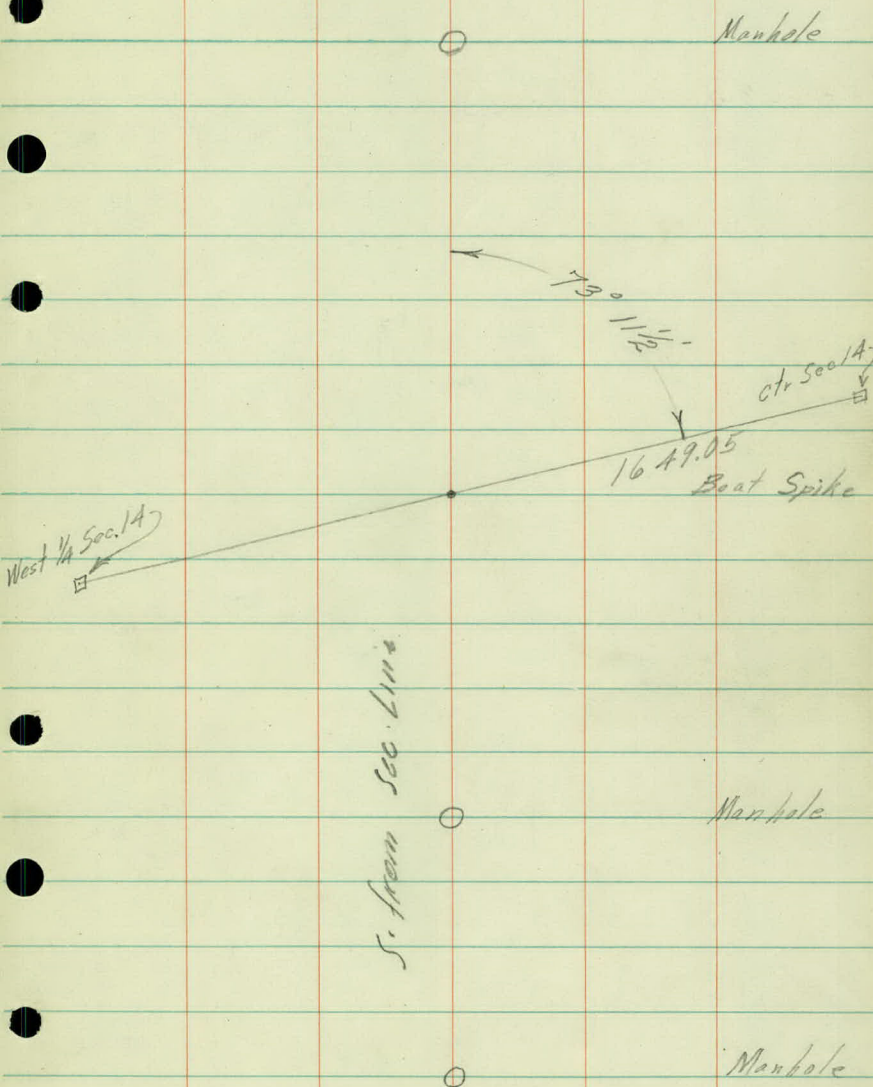
378.50

4+76.68S	P.I.	$0^{\circ}24'$	
----------	------	----------------	--

FX
A.M.
M.Mc

Jan 6, 1954
Cold 12° Clear

2



Sta Point ΔL ΔR

419.60

8+96.28 S P.O.T.

306.20

12+02.48 S P.I. 17°30'

150.85

13+53.33 S M.H. Approx $\pm$ N St Paul Rd. Connection

0

Manhole

0

Manhole

0

Manhole

Sta Point ΔL ΔR

13+22 N P.O.T. x Fe

227

10+95.27N

$0^{\circ} 04'$

353.65

7+41.62N P.I. $42^{\circ} 47\frac{1}{2}'$

(8535)

42 46
76

231.92

190.70

5+09⁷⁰ P.I.

$24^{\circ} 51'$

↑

N

↑

FK
AM
LC
MMc

£ Jan. 7, 1956
Clear Cool 18°

4

Nearly 20°

x

x

x

Fe

○

Manhole

○

Manhole

○

Manhole

Sta	Point	ΔL	ΔR
-----	-------	------------	------------

14+83.7 N £ Tracks

35.4

14+47N P.O.T.

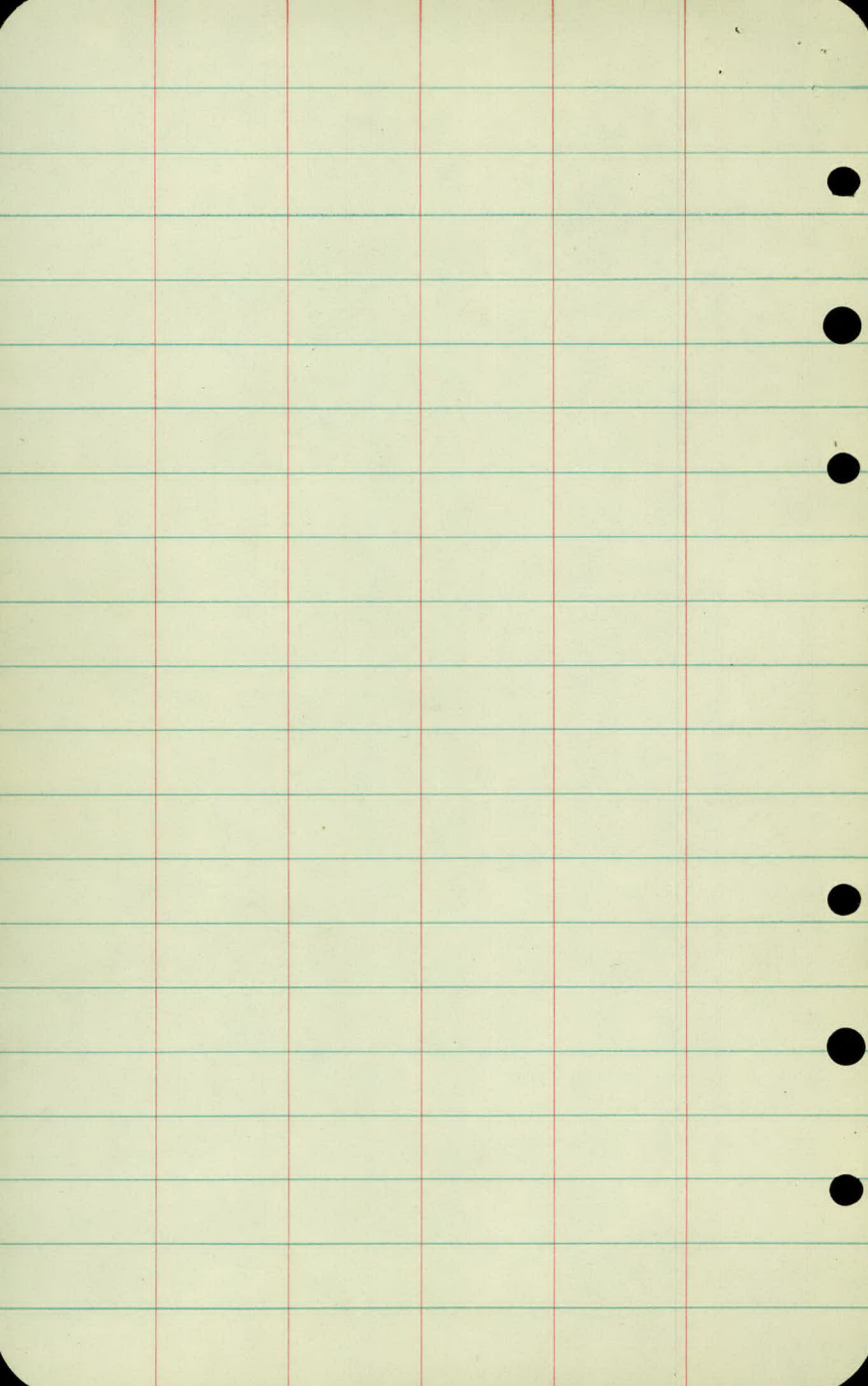
52

£

5



Manhole
Rim & Lid off



5+90.70 N.

Manhole

? O

73° 11' 1/2"

ct. Sec 14

1649.05

Boat Spike

0+98.18 S.

Manhole

PI 0°16' Lt

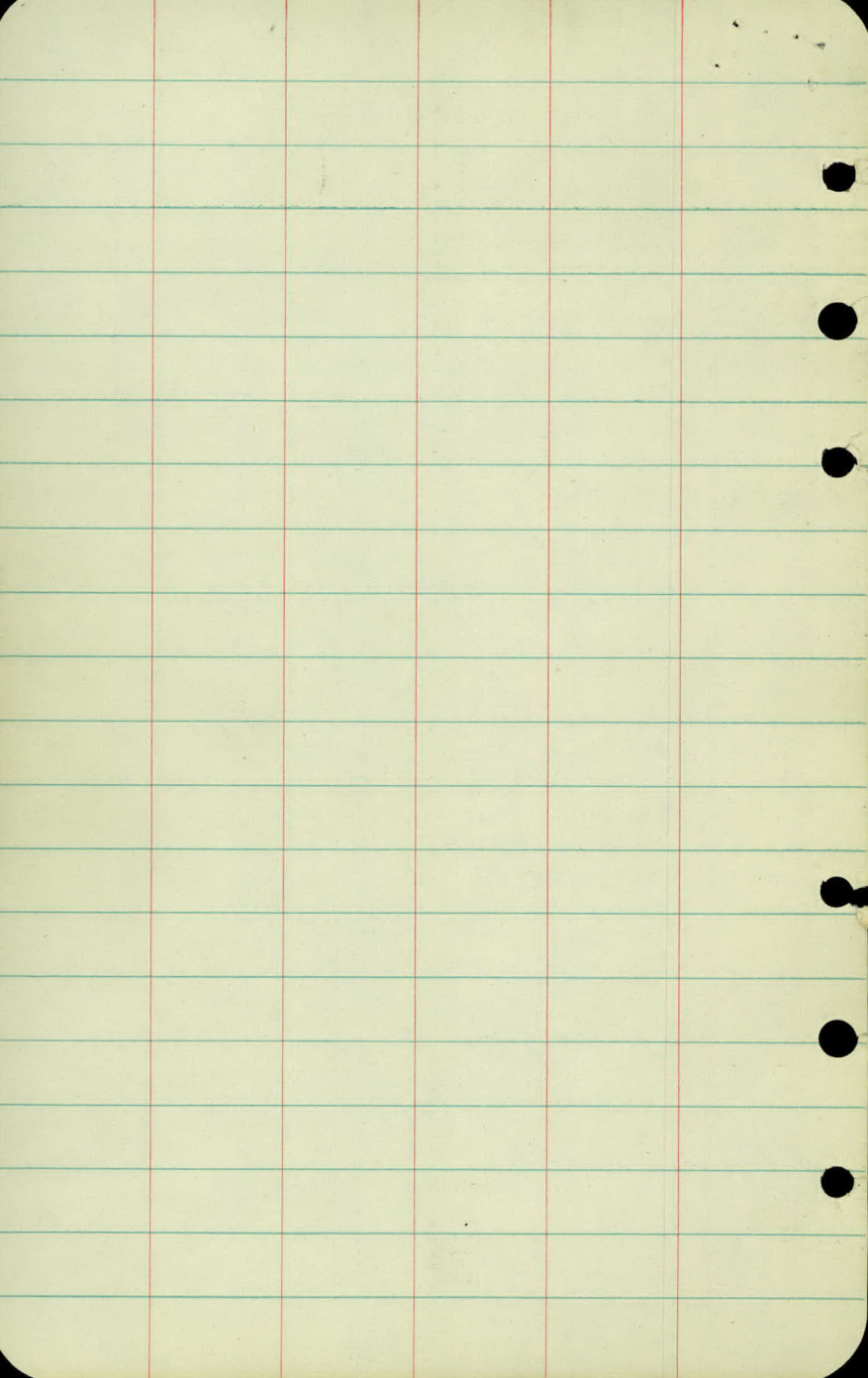
4+76.68 PI. 6 MH 0°24' Lt

8+96.28 P.O. T.M.H.

12+02.198 PI. M.H. 17°30' Lt

13+53.33 -

platted



9-9-53

1

Pipe Line Locations
on Bear Farm

2 pages

Sta Point ΔL ΔR

N 49° 45 1/2' W

6+72.71 P.O.T. Δ No St. Paul Road

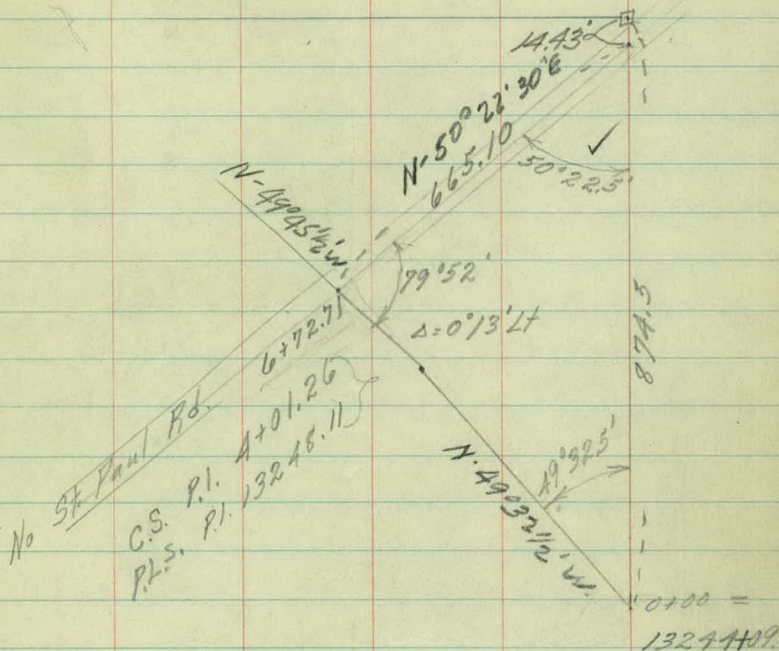
4+01.26 P.L. 0° 13'

N 49° 38 1/2' W

0+00 S. 1/4 Line Sec. 14 & Great Lakes Pipeline

2 Sept 1953
 FH
 LO
 MMc

2



Note: Pipes on each side
 of $\pm$ Pipe Average 7' Distance

C.S. = County Survey
 P.L.S. = Pipe Line Survey

Sta Point Alt ΔBt

18+53.91 P.I.

2°45 $\frac{3}{4}$ '

N 46° 35 $\frac{1}{2}$ '

13+38.16 P.O.T.

N 49° 11 $\frac{1}{4}$ ' W

7+71.11 P.I.

0°34 $\frac{1}{4}$ '

N 49° 45 $\frac{1}{2}$ ' W

15

iron

□

138° 54'

1611.53

Boat Spike

1017.00

□ Mont
Ctr Sec. 14

Sta Point ΔH ΔR

N 82° 58' W

~~59 1/2~~

30+89.61 P1 12° 12 1/2'

N 70° 40 1/2' W

71 40 1/2'

X
29+87.71 P1 13° 30'

N 57° 10 1/2' W

N 58° 10 1/2' W

X
27+97.01

~~26+97.01~~ P1 11° 35'

N 46° 35 1/2' W

4

2

o

iron

o

iron

o

iron

Sta Point ΔL ΔR

33+66.41 $\angle$ White Bear Ave C.S. = 33+66.41

+65.82

P.L.S. = 13227476

N 77° 20' W

32+14.61 P.I.

5° 38'

N 82° 58' W

E.

1172.26'

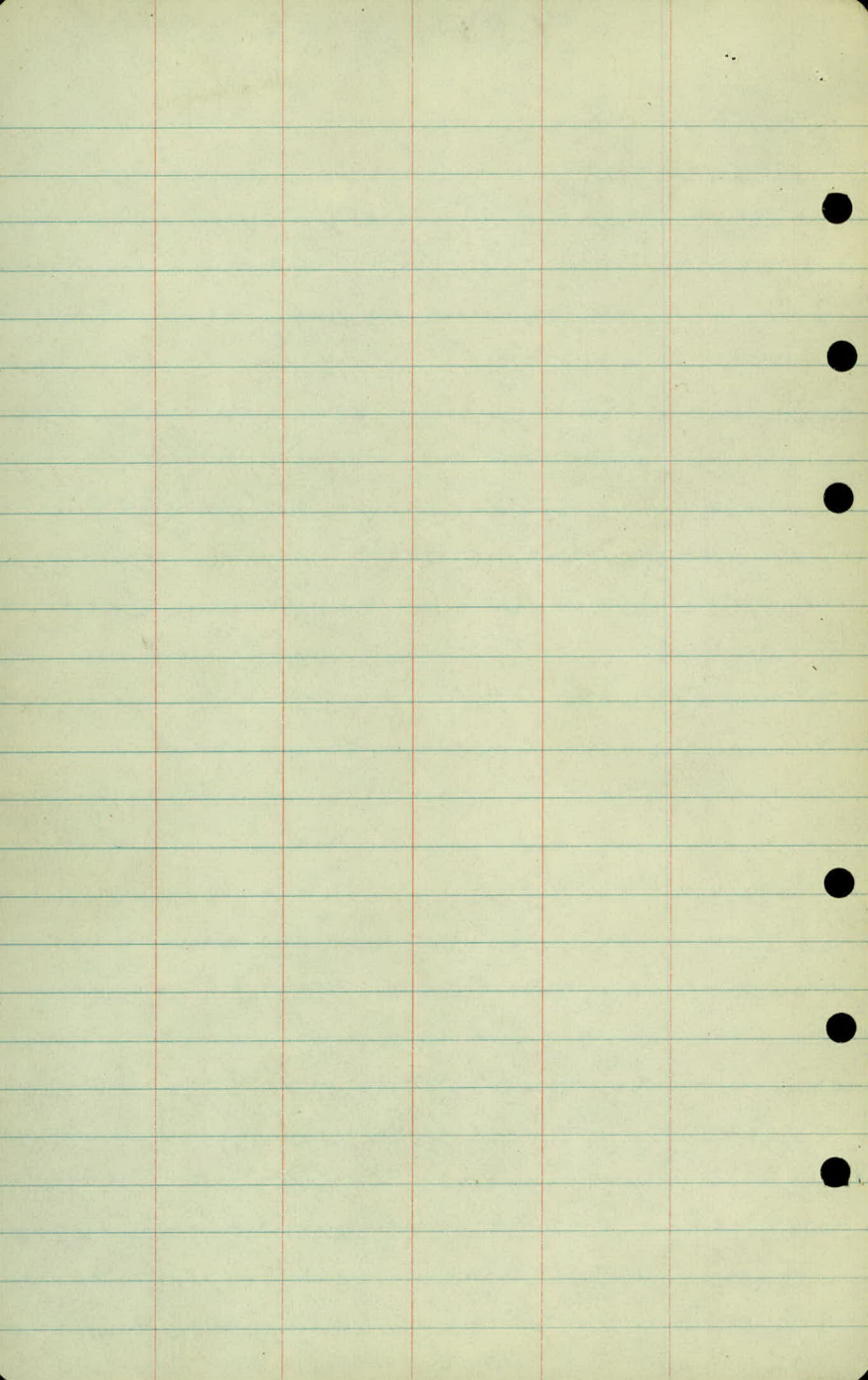
1477.00'

N 0° 11' 1/4" E

Mount

H.W. Cor.
Sec. 14101° 28' 3/4"
101° 34' 1/4"

iron



Sta 30 & Beyond Pipes are 7' or less
from Φ

29+72

3' 10.5"

29+12

7' 19"

28+72

7' 16"

28+20

8' 10"

Could only Find 2 pipe Sta 11+00
to Sta 17+00

11

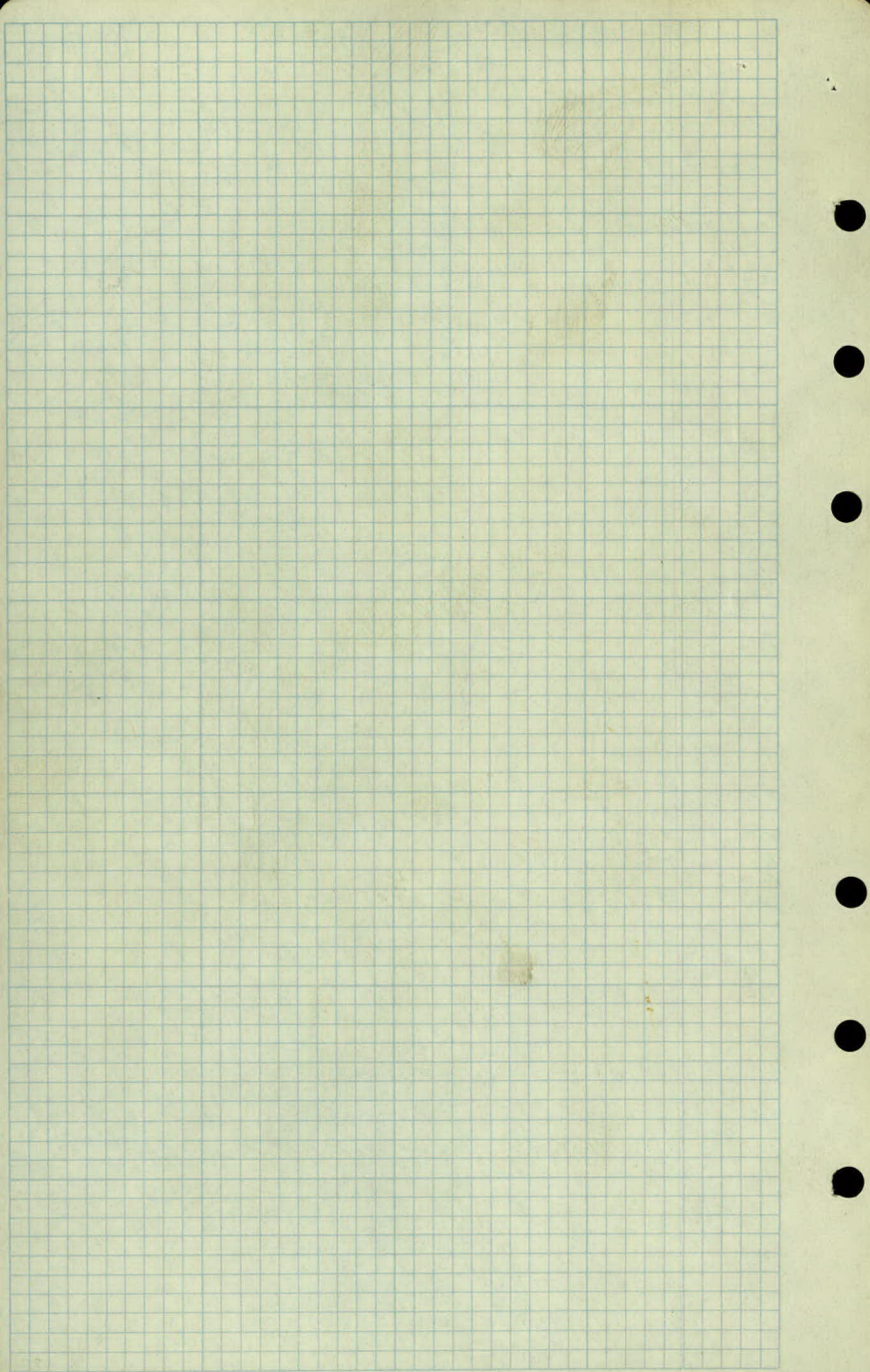
9' 1"

10

9' 5"^{2.5}

9

Average Side Pipes are 7' L & R
Until Sta 9+50 & Where found
Unless otherwise Noted



Pipeline at Poor Farm

9° 34.5'

2° 13.0'

Point

0° 34.1/4'

Δ Lt Δ Rt

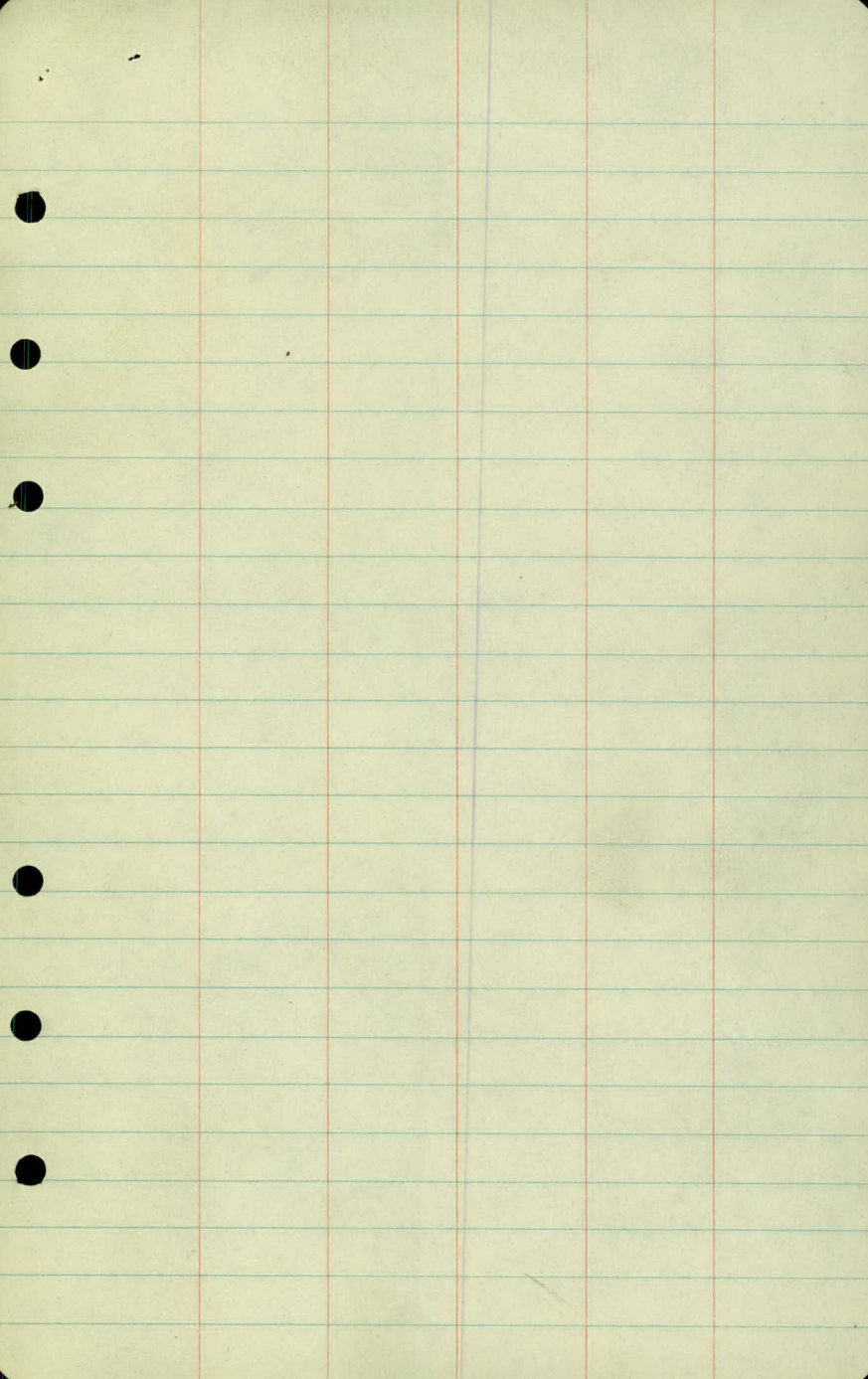
$\frac{+}{\downarrow}$

2 No St Paul Road

98.40'

Pl

0° 34.1/4'



Sta Point Δ Lt Δ Rt.

101.90

67271
2315.0 P.I. $13^{\circ}30'$
298771

190.7

67271 ✓
21424.3 P.I. $11^{\circ}35'$
279701

943.1

67271
1181.20 P.I. ✓ $2^{\circ}45\frac{3}{4}'$
135391

67271
6465.95 P.O.T. ✓
133816

0 + 9840 P.I. ✓ $0^{\circ}34\frac{1}{4}'$
67271
77111

0 + 00 $\neq$ No St. Paul Road

N 71° 51' 3" W

16545
9840
57670
58
under

N 96° 16' 1" W

under

N 79° 32' 1/2" W
7840
08280
115120
943.1
21243
190.7
23150
101.9
24169

8924 $\frac{1}{4}$

12° 18'



49° 10.5
12 17.6

5° 38.5'

5 38.5
4 122 31.5
30 151.5
12 31
28
35

101° 28.5'

28 55
300
4 405 55
101 115
28 $\frac{3}{4}$

180
181 28 $\frac{3}{4}$
90

11 179 59 $\frac{3}{4}$
101 28 $\frac{3}{4}$

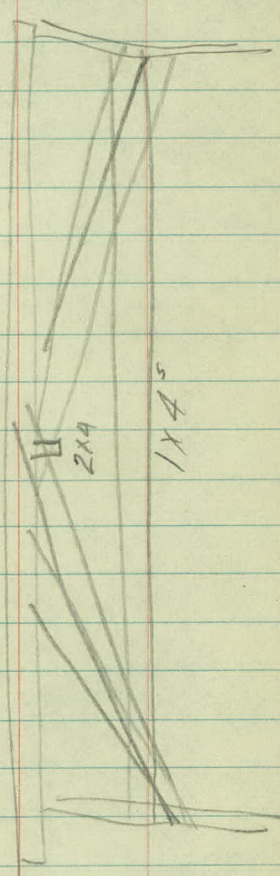
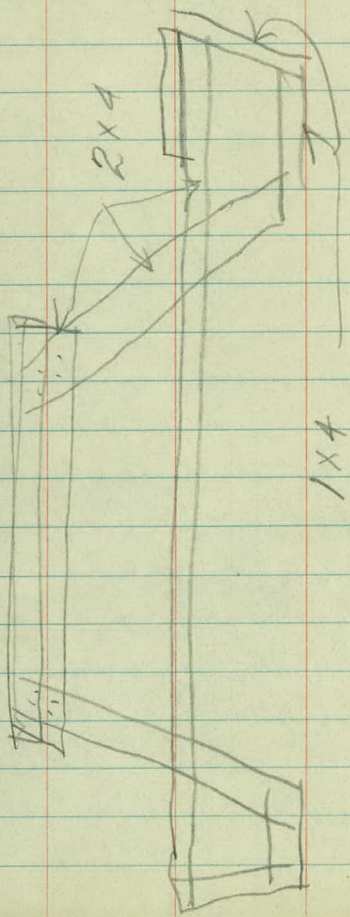
78 31 $\frac{1}{4}$
5 38

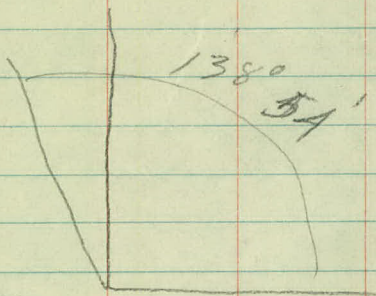
84 08 $\frac{5}{4}$
12 17 $\frac{3}{4}$

78 31 $\frac{1}{4}$

71 51 $\frac{3}{4}$
13 30 91A

58 2 $\frac{1}{5}$
11 35
47 46 $\frac{3}{4}$





$138^{\circ} 53\frac{1}{4}'$

$47^{\circ} 46\frac{3}{4}'$

$91^{\circ} 07\frac{1}{4}'$

89

12 $17\frac{1}{2}'$

11 35

13 30

$37^{\circ} 22\frac{1}{2}'$

$8^{\circ} 23\frac{3}{4}'$

29 $1\frac{1}{4}'$

$28^{\circ} 58\frac{3}{4}'$

2 $45\frac{3}{4}'$

5 38

$8^{\circ} 23\frac{3}{4}'$

$47^{\circ} 46\frac{2}{4}'$

$28^{\circ} 58\frac{3}{4}'$

$76^{\circ} 45\frac{1}{2}'$

17.01.61

$$\sqrt{54} \quad 100 \quad 30 \quad 7$$

17, 55, 11

55

1768

08

2374

4432

77, 1 77, 6

2542

6

25

58, 5

18

25

31

5.5

287

24 + 16

198

10, 8, 01

00422

77.4

7

481, 91

$$22 + 46$$

23 + 00 (3.0)

3.10

10.5

061

277 50
138 55

← 138° 54'

1017.00'

a Mont
ctr Sec 1A

Sta Point L L ΔR

672.71
2693.70 $\pm$ White Bear Arc
3366.41

151.8

N 78° 31' 14" W

7' under

672.71
2541.90 P1
321.461

5° 38'

N 81° 09' 14" W

125.0

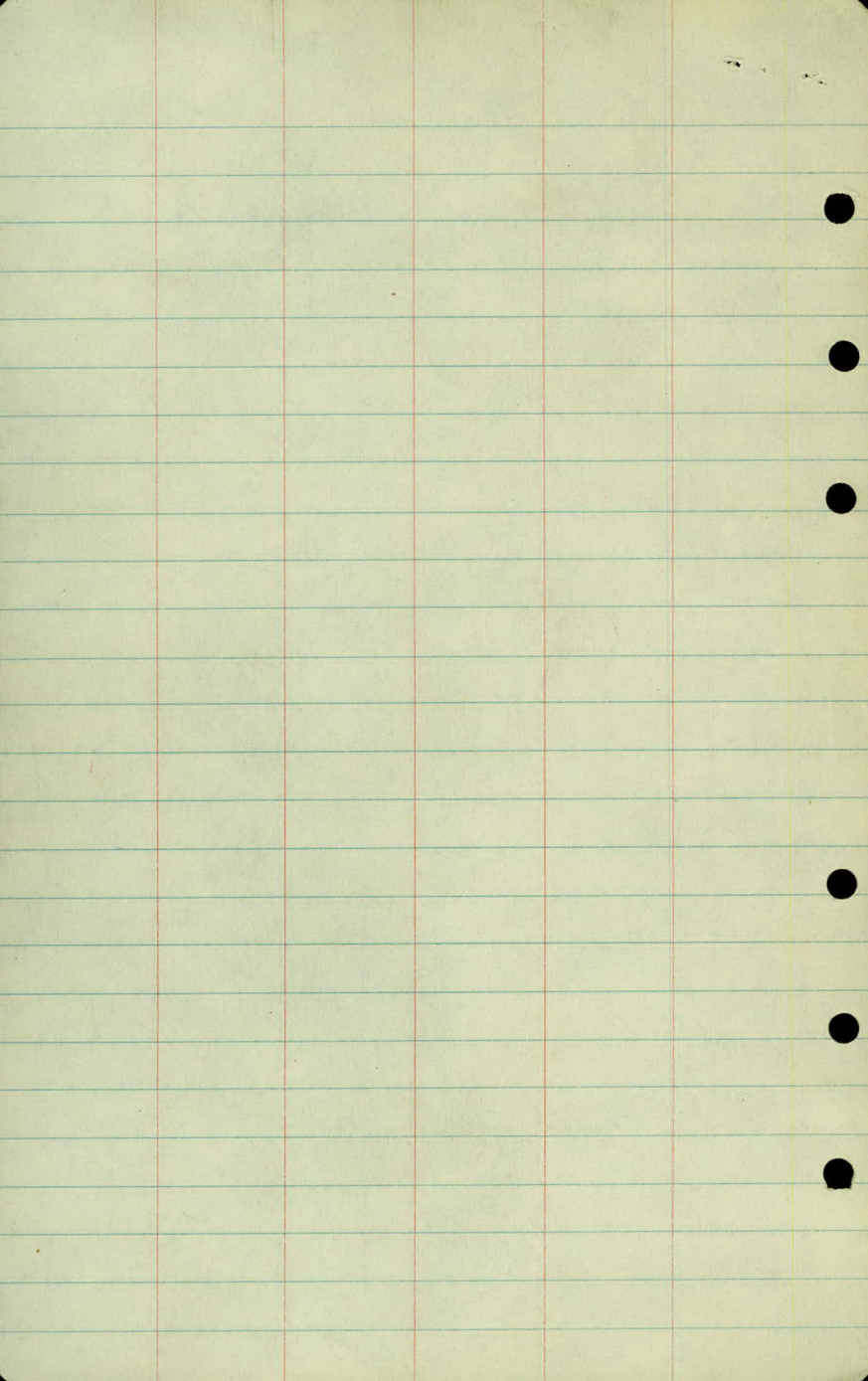
672.71
2416.90 P.1. 12' 17 1/2"
3089.61

2416.9
125

N 71° 51' 51" W
2541.9
151.8
2693.7

101°28'31"

Point
NW Cor
Sec 14



H. A. W.'s notes on Bldgs. at
Ramsey County Fair Grounds

Oct 1952

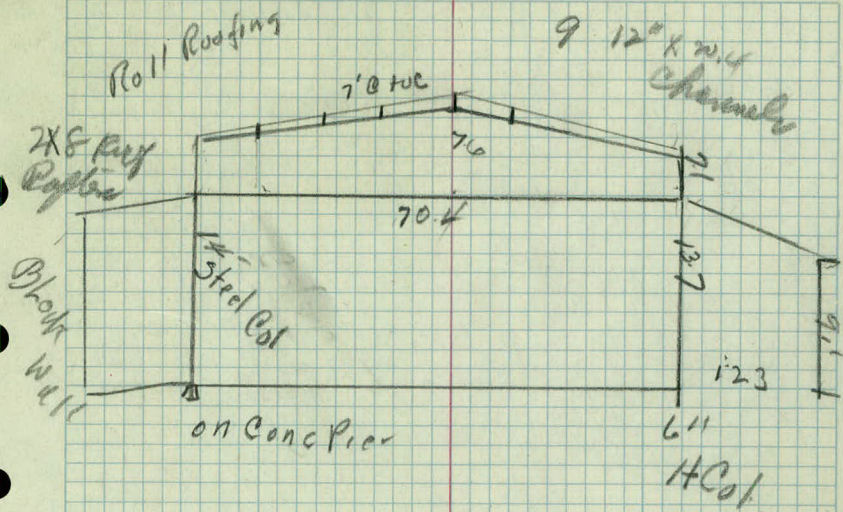
20.4 C to G

Front Face
Block Wall With
Brick + Stucco Ven.

Block Back Wall

1143
180
1323

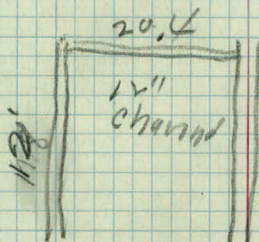
1323
110
1718
33



12" x 20.4 Channel
Supporting Purlins

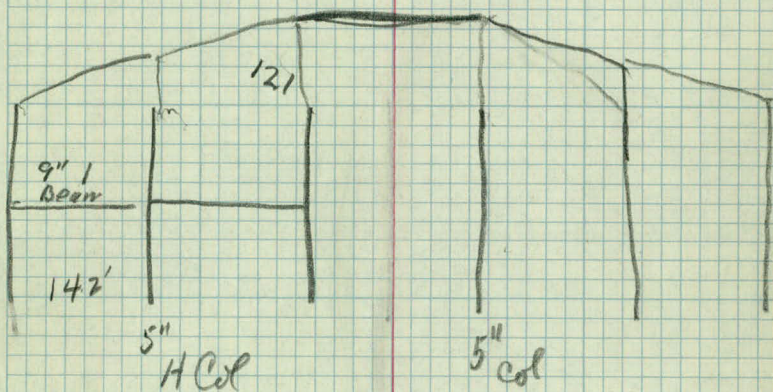
2x4 Roof Rafters
1" Roof Boards

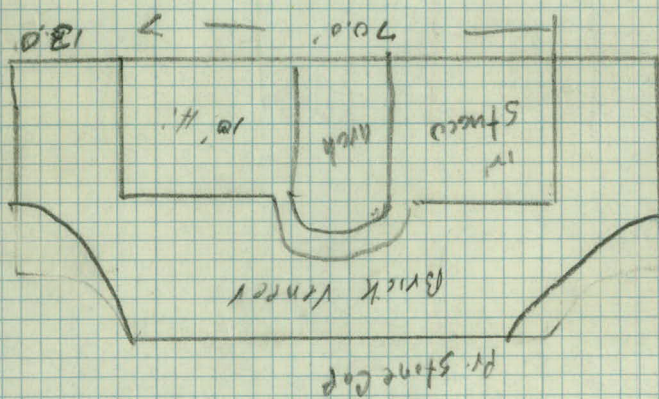
8 Trusses



9 Baye

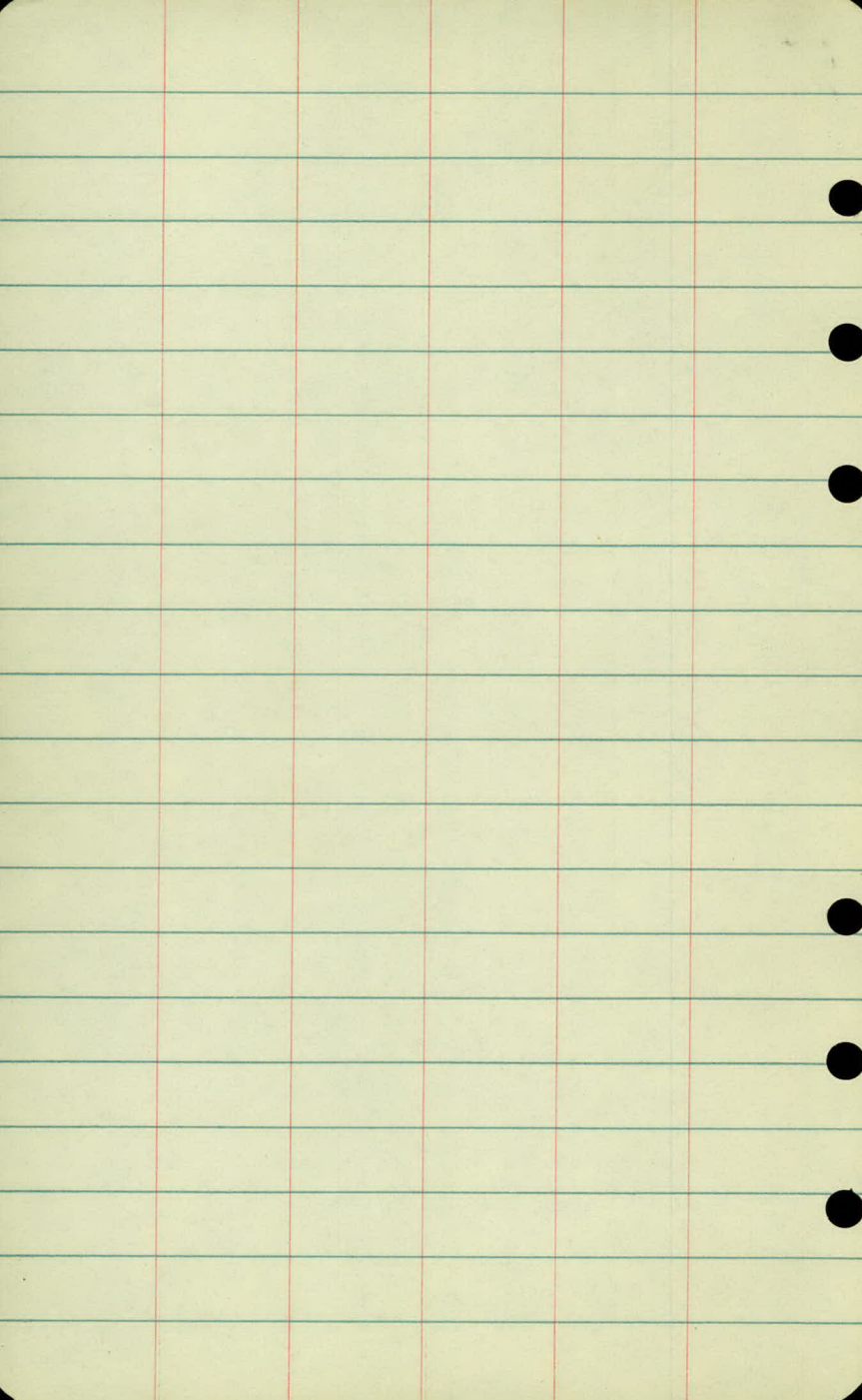
6 Colu 6"





1
Pump House Location

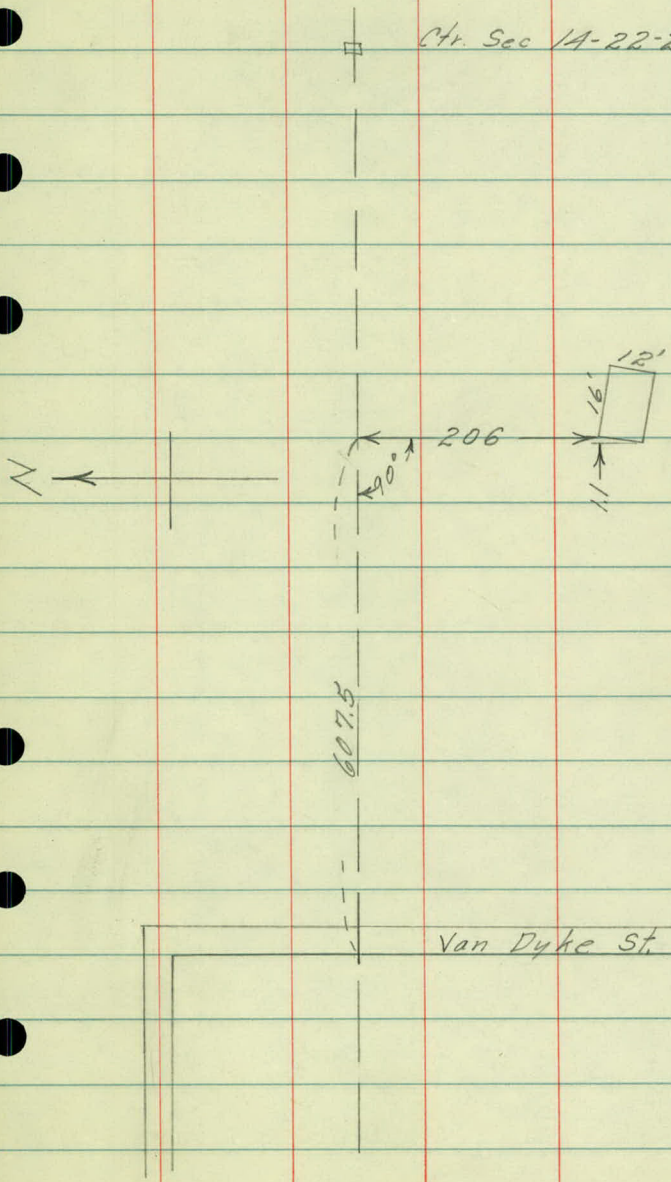
Poor farm Golf Course

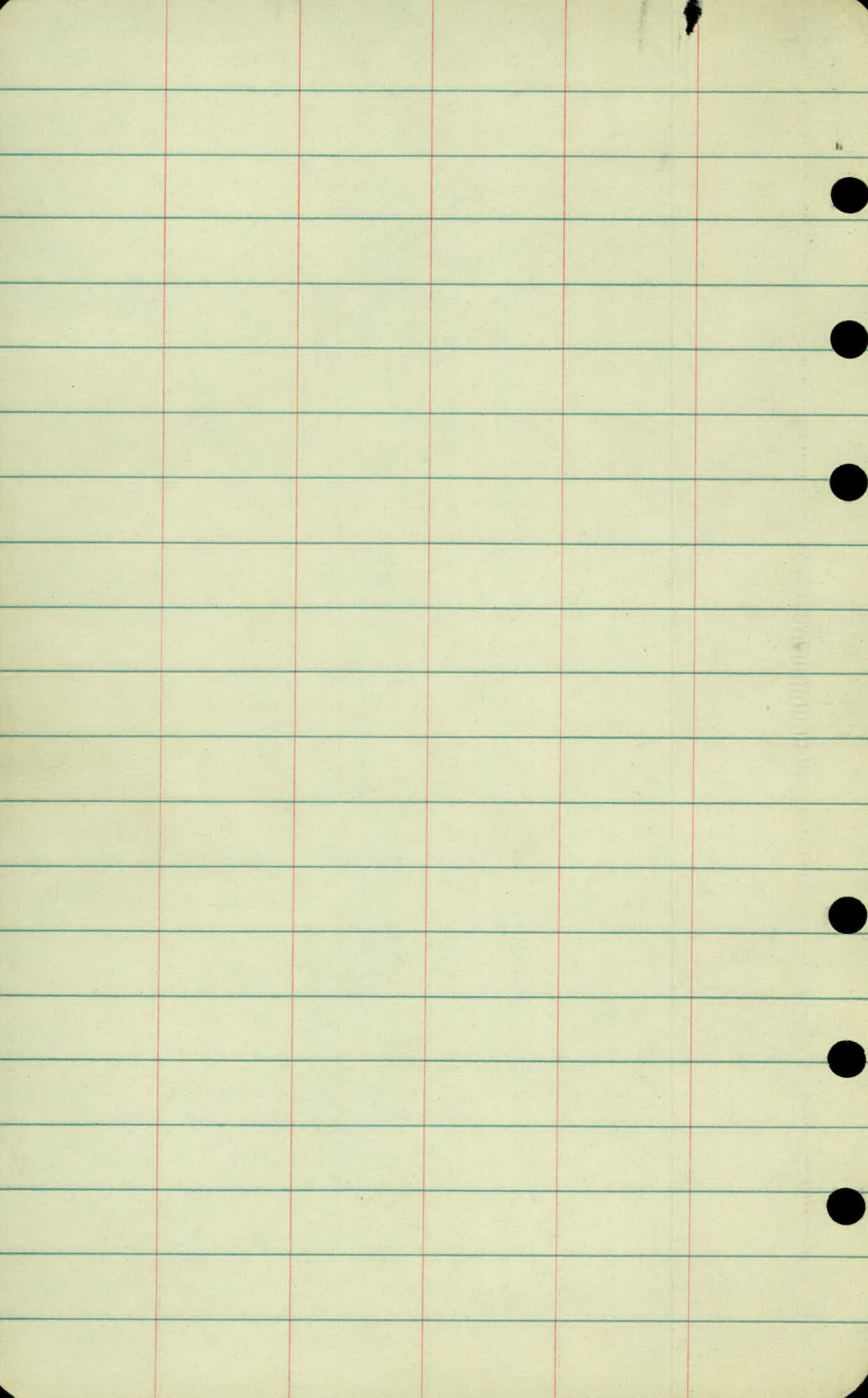


FX
RG
CW
RJ

Jan 26, 1958
Overcast Showing 2
30°

Ctr. Sec 14-22-29





1
Ramsey Co Golf Course

Sec. 14 T29 N R22 W

3 pages

Tees & Greens Locations

4-30-58

spotted

Object Az Dist.
 N at W. edge Van Dyke St on $\frac{1}{4}$ line.
 to W $\frac{1}{4}$ corner of sect #14 270°
 to a point "A" $59^\circ 59' 50.7$

#14 green $164^\circ 32' 630$ ✓ ok

#17 green $169^\circ 10' 1040$ ✓ ok

#18 Tee $167^\circ 53' 1180$ ✓ ok

#16 Tee $160^\circ 02' 795$ ✓ ok

#16 green $119^\circ 00' 500$ ✓ ok

#17 TEE $105^\circ 35' 825$ ✓ ok

" "

$105^\circ 12' 995$ ✓ ok

practice $98^\circ 18' 1070$ ✓ ok

tee

$84^\circ 54' 1165$ ✓ 2 136.

FX
LC
RP
AB
Object

April 29, 1958

AZ. Dist.

2

⁽¹⁰⁾
#13 Tee

⁽²¹¹⁶⁰⁾
83°41' 1280 ✓

π at Δ point "A"
to W. edge Kinkyke 239°59' 507
to Δ point "B" 95°17½' 940'

#14 Tee

306°21' 425 ✓ sk

#13 green

319°43' 480 ✓ sk

#12 Tee

329°21' 607 ✓ sk

#11 green

337°43½' 670 ✓ sk

#8 Tee

338°28' 808 ✓ sk

Object	Az	Dist	
#7 green	342°42'	960	ok
#8 green	17°09'	814	ok
#9 Tee	17°48'	922	ok
#10 green	26°58'	780	ok
#11 Tee	22°34'	688	ok
#6 green	54°34'	1580	ok
#7 Tee	52°08'	1664	ok

to point B"
 to point A 275°17½' 940'
 to mont Ctr Sec 14 109°14' 471'
 to W. edge Van Dyke
 on ¼ line 263°06½'

FK
LC
KD
AB

Object AZ DIST.

27 APRIL 1958
cold & windy 35°

12 green 254° 54' 102 ok

10 Tee 40° 15' 45 ok

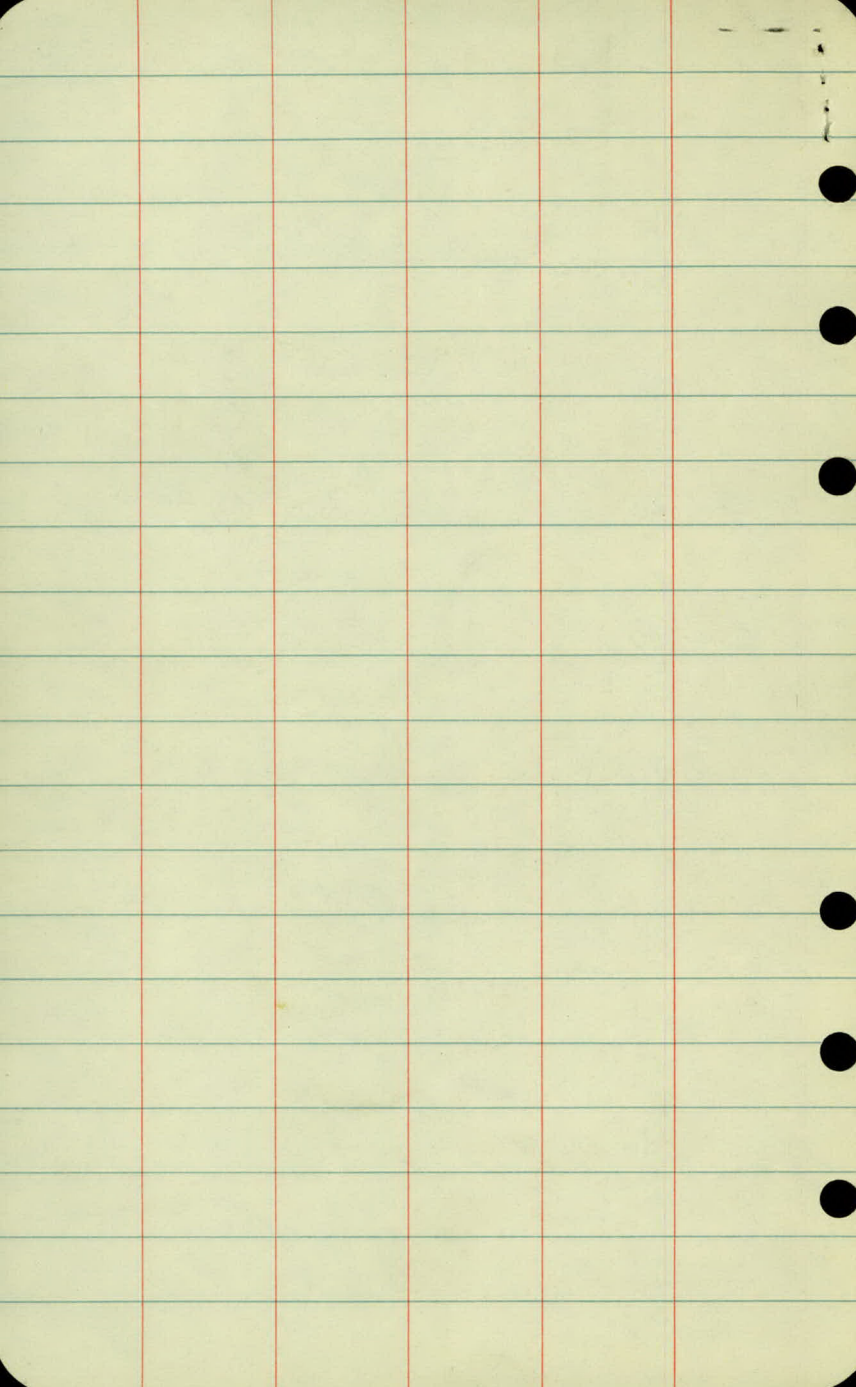
9 green 113° 48' 248 ok

18 green 201° 48' 340' ok

6 Tee 98° 40' 415 ok

6 Green 19° 37' 1180 3 off

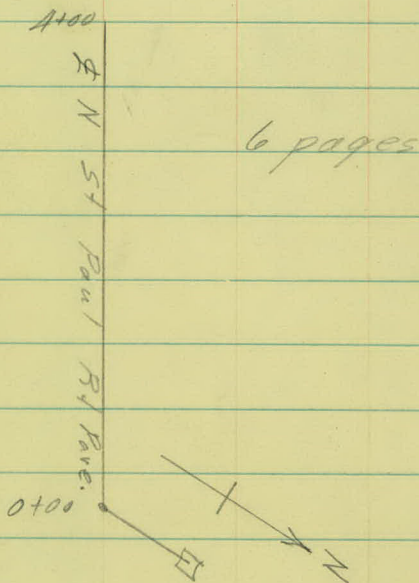
7 Tee 18° 47' 1078 3 off



1

Golf Course Club House Area

x-sections



Sta + π - Elev.

BM 7.86 993.99

986.13

1+50

✓

✓

2

FA
RG
KP
WH

Dec 6, 1956
Cloudy-Snowing-Cold 2
14° RT

Top Mont Ctr. Sec 14 at N. St. Paul Rd.

87.04	86.5	85.0	86.4	87.0	85.6	83.7
6.95	7.5	9.0	7.6	7.0	8.4	10.3
18	26	38	77	100	122	

76.6	79.3	80.2	81.2	82.4
17.4	14.7	13.8	12.8	11.6
231	200	187	167	142

76.2	76.0	76.3	76.3
17.8	18.0	17.7	17.7
255	272	295	300

87.03	86.4	84.7	86.8	87.5	87.2	86.0
6.96	7.6	9.3	7.2	6.5	6.8	8.0
18	26	40	82	100	122	

78.7	79.7	80.8	82.6	84.8	85.7
15.3	14.3	13.2	11.4	9.2	8.3
215	200	183	164	144	131

78.2	78.7	79.2	78.6
15.8	15.3	14.8	15.4
228	256	278	300

Sta t π - Elev

993.99

2+30

✓

✓

+65

#

Dec 5, 1956

RT

3

86.93	86.4	84.5	87.3	88.9	89.2	88.8
7.06	7.6	9.5	6.7	5.1	4.8	5.2
17	28	45	83	100	114	

81.5	81.3	81.7	83.1	85.2	88.8
12.5	12.7	12.3	10.9	8.8	5.2
226	214	200	184	163	136

82.6	83.3	81.9	81.3	81.4
11.4	10.7	12.1	12.7	12.6
236	254	276	292	300

86.84	86.3	84.5	87.6	89.8	90.0	89.7
7.15	7.7	9.5	6.4	4.2	4.0	4.3
16	26	49	83	100	117	

84.9	85.3	86.0	86.4	88.1	88.9
9.1	8.7	8.0	7.6	5.9	5.1
219	200	189	173	159	140

85.2	85.8	85.5	85.6	86.1
8.8	8.2	8.5	8.4	7.9
228	252	273	290	300

Sta + x - Elev

993.99

2+90

3+15

TP 4.14 996.57 1.56 992.43

£

Dec 6, 1956

St 4

86.73	86.2	84.5	86.6	89.6	90.0	89.6
7.26	7.8	9.5	7.4	4.4	4.0	4.4
	17	25	41	84	100	122

88.3	88.5	88.8	88.5	88.9	89.1
5.7	5.5	5.2	5.5	5.1	4.9
225	200	185	173	161	142

88.0	88.3	89.5
6.0	5.7	4.5
250	272	300

X

86.64	86.1	84.5	86.3	88.0	89.6	89.7	89.6
7.35	7.9	9.5	7.7	6.0	4.4	4.3	4.4
	17	26	38	55	84	100	110

90.9	90.7	90.6	89.6	89.1	89.3
3.1	3.3	3.4	4.4	4.9	4.7
226	200	187	170	148	129

91.0	91.2	91.6	92.2
3.0	2.8	2.4	1.8
250	270	287	300

Top W End Snow Fe Post

Sta + π - Elev

996.57

3+50

✓

✓

+75

FK
RG
KP
WH

Dec 7, 1956
Cold Cloudy 100° Windy 5

86.40	86.0	84.4	86.7	88.8	89.2	89.1
10.17	10.6	12.2	9.9	7.8	7.4	7.5
	18	26	52	84	100	115

94.2	93.0	92.2	90.0	89.1	88.9
24	3.6	4.4	6.6	7.5	7.7
230	209	200	176	148	130

94.9	95.0	94.5	92.1
1.7	1.6	2.1	4.5
249	266	277	300

86.35	85.8	83.4	84.6	85.4	87.1	87.6
10.22	10.8	13.2	12.0	11.2	9.5	9.0
	19	25	45	67	92	100

93.7	92.0	90.2	89.0	88.4	88.5	88.3
2.9	4.5	6.4	7.6	8.2	8.1	8.3
217	200	185	164	144	126	109

95.5	94.2	90.0
1.1	2.4	6.6
243	266	300

Sta + π - Elev

996.57

4+00

BM

10.43 986.14 (986.13)

Dec 7, 1956

L

RT

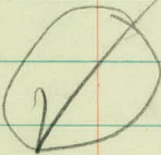
6

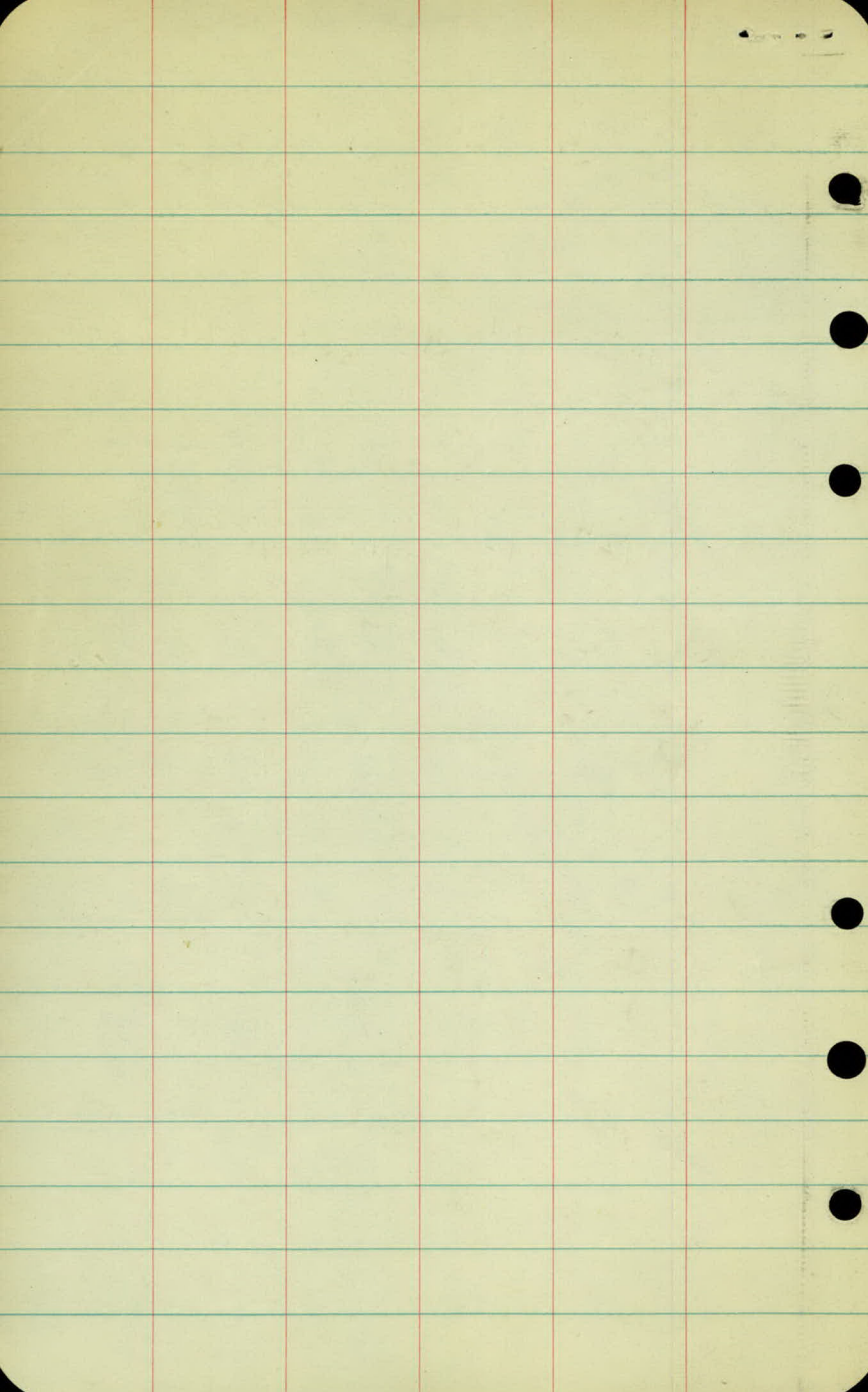
$\checkmark$
 86.23 85.7 82.6 83.1 84.2 85.2 85.6
 10.34 10.9 14.0 13.5 12.4 11.4 11.0
 18 25 46 68 92 100

91.4 89.9 89.3 88.6 87.9 87.0
 52 6.7 7.3 8.0 8.7 9.6
 217 200 189 172 151 120

92.4 92.4 91.1 90.0
 4.2 4.2 5.5 6.6
 236 263 286 300

Top Mont Ctr. Sec 1A at N St Paul Re.

$\checkmark$




Locations at
New Golf Course

3 pages

Obj. AZ. Station
 At NE Cor of New Golf Course
 to Fe Line Running West AZ = 270°

Fe $87^{\circ}50'$ 170'

" $86^{\circ}30'$ 82'

Fe $0^{\circ}00'$ 4'

N.W. Cor Ho $39^{\circ}33'$ 364

S.W. Cor Ho. $40^{\circ}10'$ 360

S.E. Cor Ho $41^{\circ}25'$ 368

Fe Cor T $179^{\circ}45'$ 328

Fe $161^{\circ}10'$ 345

" $148^{\circ}10'$ 383

" $137^{\circ}-$ 444

" Cor $126^{\circ}35'$ 532

266

Fe Line North $5^{\circ}30'$ 220

Fe Cor $8^{\circ}15'$ 177

Fe $22^{\circ}-$ 196

Fe $41^{\circ}45'$ 241

Fe Cor $60^{\circ}-$ 360

FK
WM
DF
BZ

August 22, 1961 2

} 20 46 Belmont

178
356

Obj

AZ stadia

Fe

120° - 490'

"

116°10' 458'

"

118°40' 420'

"

107° - 378'

"

Cor

92°50' 356'

"

"

92° - 390'

"

"

89° - 400'

Fe

85°30' 261'

"

Line No.

81°50' 387'

NE Cor Gar

61°20' 396'

SW Cor Gar

60° - 380'

NW Cor Gar

57°25' 390'

SE Cor Ho

54°50' 412'

SW Cor Ho

53°15' 396'

N.W. Cor Ho

48°45' 420'

House & Garage
East of 2046 Belmont

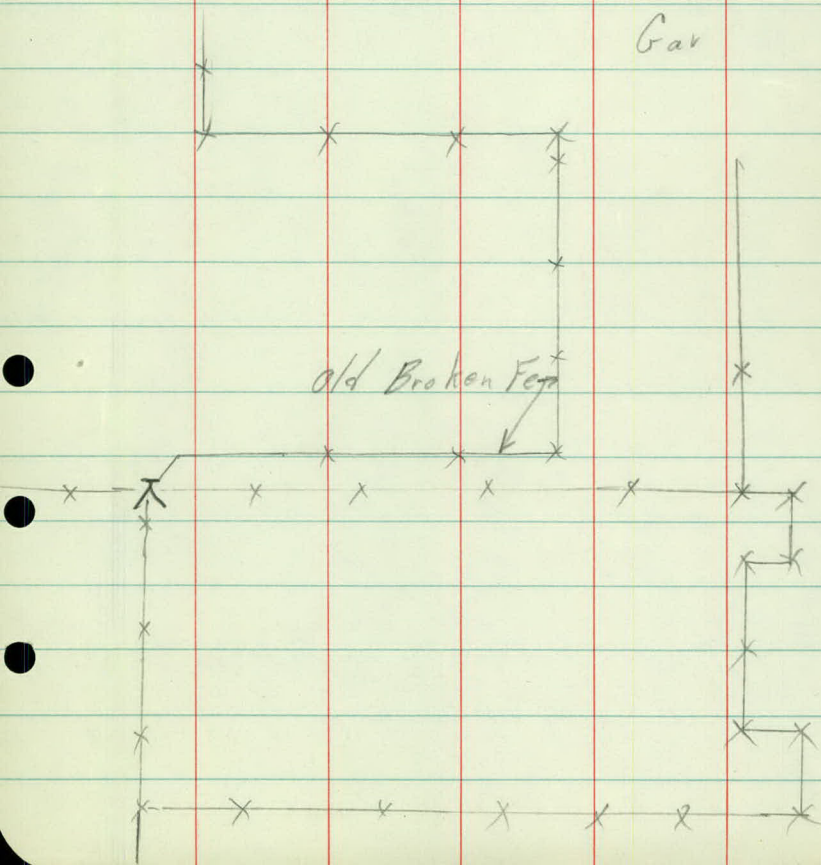
August 22, 1961 3

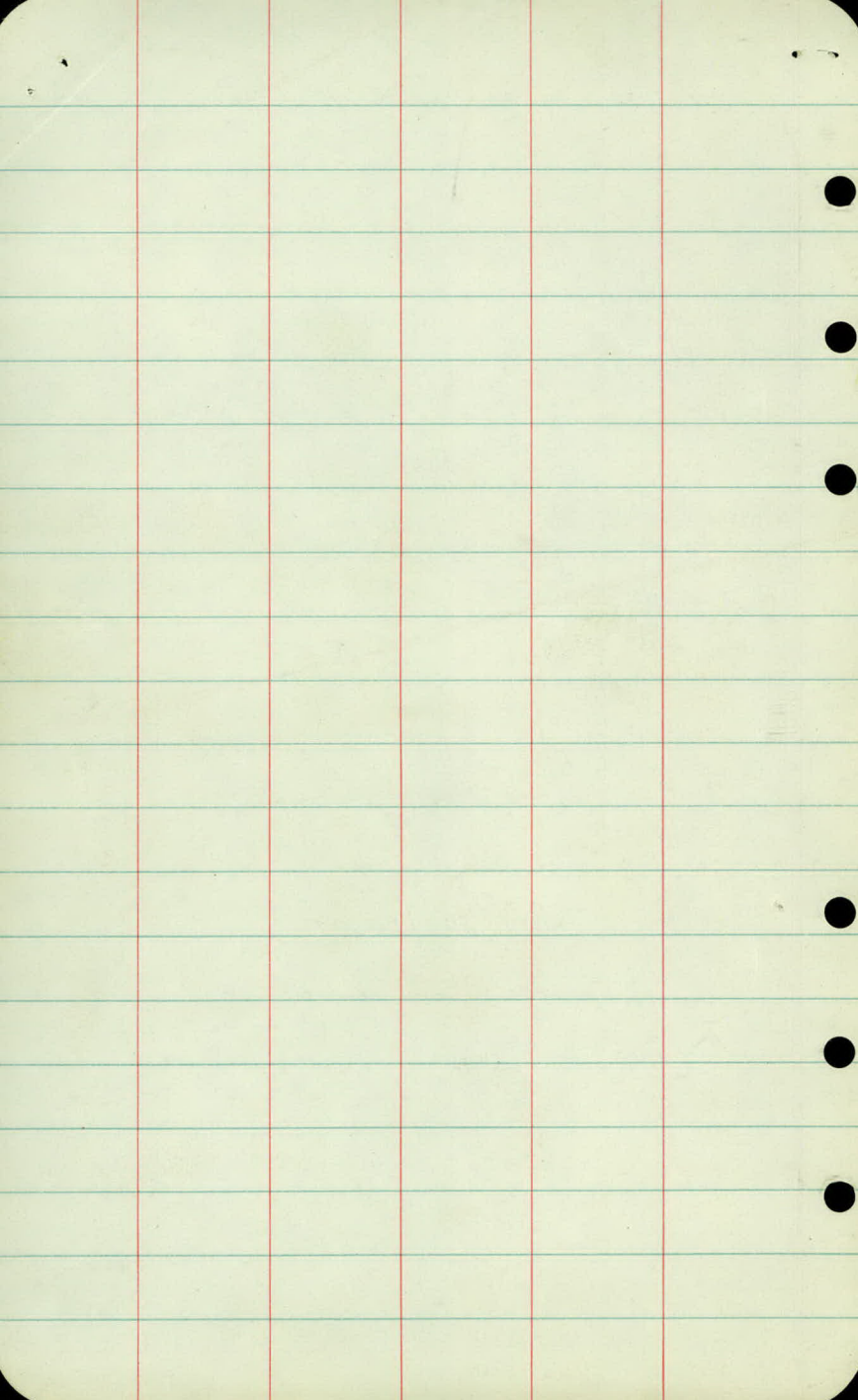
Ho

Ho

Gar

old Broken Fe₂O₃





KP
JS
DS
R Boss

21 MARCH 1963 1.
SUNNY
32°

Ramsey County Home Golf Course Acquisition

STADIA

22 PAGES

OBJECT

H/ 990.6

AZI

STADIA

BM 4.42 990.55

(986.13)

T at CTR. Section 14

⑤ 15' W

TO SE COR, NE $\frac{1}{4}$ OF NW $\frac{1}{4}$

S14-T29-R22

0°00'

6E

18°20'

"

33°40'

"

45°30'

"

8°50'

"

38°20'

"

46°05'

"

52°57'

"

4°20'

"

12°03'

"

19°40'

209

"

33°20'

208

"

44°04'

330

21 MARCH 1963

2.

DIST	VERT ANGLE	ROD EQUIV.	ROD	DIFF	ELEV
Top mont. Cfr Sec 14-T29-R22					
1315					
46			3.5		87.1-
57			5.4		85.2-
78			7.7		82.9-
90			6.0		84.6-
108			10.9		79.7-
128			11.7		78.9-
140			5.8		84.8-
210			8.8		81.8-
213			11.6		79.0-
257	-1° 40'	-6.18	8.0	-14.1	76.5-
208	-3° 20'	-12.46	3.1	-15.2	75.4-
270	-2° 05'	-12.0	3.2	-15.2	75.4-

OBJECT

HI 990.6

AZI

STADIA

 π at Ctr Sec 14

① 15' W

To APT A

360'

HI 974.6

 π at APT A

To Ctr Section ① 15.0' W 180

BM

5.01

974.61

ht 5.2

969.60

6E

173°20' 128

"

162°20' 145

"

150°15' 176

"

144°05'

"

139°20'

182°55'

137°40'

21 MARCH 1963 3.

DIST

VERT
ANGLEROD
EQUIV.

ROD

DIFF.

ELEV.

400

1°35'

10.0

400

Spike in FP 415 N CTR Section

+ 3°15' + 7.2 2.7 +4.5 79.1-

+ 3°27' + 8.7 6.7 +2.0 76.6-

+ 1°30' + 4.6 5.0 -0.4 74.2-

215 2.3 72.3-

252 0.4 74.2-

46 2.7 71.9-

82 5.4 69.2-

OBJECT

AZI

STADIA

41 974.6

GE

125° 56'

"

121° 55'

GE

21° 10'

"

69° 25'

"

68° 40'

"

72° 00'

"

5° 20'

"

20° 20'

"

35° 00'

"

4° 25'

1"

17° 50'

"

43° 40'

"

30° 55'

"

49° 50'

"

37° 40'

"

43° 30'

357

357

"

49° 00'

400

1

52° 30'

420

21 MARCH 1963 4.

DIST	VERT ANGLE	ROD EQUIV.	ROD	DIFF	ELEV
137			6.7		67.9 -
182			5.0		69.6 -
42			8.5		66.1 -
105			7.4		67.2 -
139			6.3		68.3 -
178			5.4		69.2 -
152			11.0		63.6 -
164			9.3		65.3 -
192'			6.8		67.8 -
257			4.1		70.5 -
268'			5.3		69.3 -
222			5.3		69.3 -
300			3.7		70.9 -
258			2.7		71.9 -
328			1.8		72.8 -
	+ 0° 45'	+ 4.7	3.8	+ 0.9	75.5 -
	+ 0° 45'	+ 5.2	1.5	+ 3.7	78.3 -
	+ 1° 05'	+ 7.9	4.0	+ 3.9	78.5 -

OBJECT

AZI

STADIA

H. 974.6

G. E.	50°00'	4144
"	2°40'	
"	45°05'	424
"	8°20'	
"	40°20'	390
"	17°40'	
"	34°00'	
"	26°20'	
"	26°55'	
"	32°05'	
"	18°30'	
"	35°35'	480
"	41°50'	516
"	10°30'	
"	4°20'	
To A B"	00°00'	

21 MARCH 1963 5.

DIST	VERT ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
	+1.05°	+8.4	9.9	-1.5	73.1 -
382			9.3		65.3 -
	+0°45'	+5.6	9.0	-3.4	71.2 -
388			11.2		63.4 -
	+0°15'	+1.7	7.0	-5.3	69.3 -
405			9.8		64.8 -
370			8.5		66.1 -
436			8.8		65.8 -
335			10.1		64.5 -
459			6.0		68.6 -
315			11.5		63.1 -
	+0°10'	+1.4	4.0	-2.6	72.0 -
	+0°40'	+6.0	4.0	+2.0	76.6 -
301			5.0		69.6 -
290			3.0		71.6 -
400			8.2		66.4 -

OBJECT

H.I. 971.2

AZI

STADIA

T at A "B" to

A A

180°00'

h. 4.80

BM

971.18

96638

G.E.

32°10'

"

11°00'

"

64°38'

"

32°20'

"

80°20'

"

60°10' 196

"

85°30' 248

"

68°30' 270

"

87°50' 345

"

73°20' 314

"

74°45' 364

"

68°18' 380

"

62°20' 310

"

55°10' 244

"

54°35' H10

"

42°35' 98

21 MARCH 1963

6.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
400					
Top spike A.P.T.B.					
30			4.9		66.3-
88			2.1		69.1-
64			6.7		64.5-
106			1.8		69.4-
166			4.6		66.6-
192	+1° 25'	+4.8	4.0	+0.8	72.0-
	+1° 25'	+6.1	4.4	+1.7	72.9-
	+1° 25'	+6.7	2.0	+4.7	75.9-
	+1° 25'	+8.5	4.0	+4.5	75.7-
	+1° 25'	+7.8	4.7	+3.1	74.3-
	+1° 25'	+9.0	3.4	+5.6	76.8-
	+1° 25'	+9.4	4.6	+4.8	76.0-
	+1° 25'	+7.7	4.0	+3.7	74.9-
	+1° 25'	+6.0	1.2	+4.8	76.0-
	+1° 46'	+12.6	7.0	+5.6	76.8-
	+1° 46'	+3.0	2.7	+0.3	71.5-

OBJECT

AZI

STADIA

H 1 971.2

G L	54° 30'	390
"	28° 48'	166
"	49° 00'	342
"	42° 30'	310
"	06° 50'	143
"	29° 10'	254
"	17° 25'	228
"	04° 00'	218
To A C"	00° 00'	

A of A C"

To A B"

180° 00'

2.75

H 1 975.3

11-3.05

(972.56)

G L	172° 30'	
"	141° 00'	
"	151° 35'	
"	122° 20'	
"	124° 10'	
"	112° 00'	
"	115° 25'	318

21 MARCH 1963

7.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
	+1°46'	+12.0	7.0	+5.0	76.2-
	+1°46'	+5.1	8.1	-3.0	68.2-
	+1°46'	+10.5	6.1	+4.4	75.6-
	+1°46'	+9.5	8.0	+1.5	72.7-
	+1°46'	+4.4	11.3	-6.9	64.3-
	+1°46'	+7.8	8.8	-1.0	70.2-
	+1°46'	+7.0	10.7	-3.7	67.5-
	+1°46'	+6.7	13.5	-6.8	64.4-
400'			0.92		70.26-

400

Spike in F.P. @ 1/4 1/4 Cor

117			8.6		66.7.
156			5.7		69.6.
36			3.4		71.9.
55			1.3		74.0.
226			1.3		74.0.
90			5.1		70.2.
	+1°20	+7.4	5.6	+1.8	77.1.

OBJECT

AZ.

STADIA

H.I. 975.3

G E

104° 15' 175

"

113° 25' 382

"

102° 10' 230

"

100° 40' 302

"

99° 25' 365

"

88° 05' 360

"

71° 40' 366

"

86° 20' 246

"

63° 20' 240

"

83° 40' 162

"

80° 00' 117

"

46° 00' 165

"

44° 30'

"

08° 10'

To 1/4 1/4 Cor (S)

15' West

00° 00'

21 MARCH 1908 8.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
	+1°20'	+4.1	1.7	+2.4	77.7.
	+1°20'	+8.9	8.3	+0.6	75.9
	+1°20'	+5.4	4.7	+0.7	76.0.
	+1°20'	+7.0	2.9	+4.1	79.4.
	+1°20'	+8.5	5.6	+2.9	78.2.
	+2°05'	+13.1	8.0	+5.1	80.4.
	+2°05'	+13.3	4.9	+5.4	80.7.
	+2°05'	+8.9	3.8	+5.1	80.4.
	+2°05'	+8.7	4.2	+1.5	76.8.
	+2°05'	+5.9	2.2	+3.7	79.0.
	+2°05'	+4.2	5.5	-1.3	74.0.
	+2°05'	+6.0	6.4	-0.4	74.9.
23			4.4		70.9.
113			3.9		71.4.
113			4.12		971.19.

OBJECT

AZI

STADIA

K @ 1/4 C₀ (5)

15' N to Δ "C"

180°00'

h. 4.97

3.54 H.I. 976.10

(972.56)

G.E.

275°15'

"

294°20' 282

"

277°50' 181

"

301°10' 190

"

284°00' 91

"

329°40' 106

"

348°15' 24

"

10°45' 102

"

74°10'

"

50°30'

"

81°20'

"

65°50'

"

84°10' 244

"

74°40' 348

"

85°10' 336

"

62°45' 570

"

52°40' 416

21 MARCH 1903

9.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
113					
Spike in F.P. @ 1/4 1/4 Cor					
257			10.2		65.9
	-2° 07'	-10.4	4.4	-14.8	61.3
	-2° 07'	-6.7	5.1	-11.8	64.3
	-2° 07'	-7.0	6.7	-13.7	62.4
	-2° 07'	-3.4	6.5	-9.9	66.2
	-2° 07'	-3.9	7.5	-11.4	64.7
	-2° 07'	-0.9	5.3	-6.2	69.9
	-2° 07'	-3.8	6.1	-9.9	66.2
87			5.5		70.6
147			6.7		69.4
168			1.7		74.4
215			2.6		73.5
	+1° 00'	+4.2	4.2	0.0	76.1
	+1° 00'	+6.1	3.1	+3.0	79.1
	+1° 00'	+5.8	2.5	+3.3	79.4
	+1° 00'	+9.9	1.5	+8.4	84.5
	+1° 00'	+7.2	1.7	+5.5	81.6

OBJECT

AZI

STADIA

H. 1. 976.1

G. E.	50° 30'	262
"	41° 00'	328
"	27° 40'	190
"	04° 20'	172
"	25° 50'	274
"	02° 35'	246
"	333° 05'	198
"	340° 30'	275
"	306° 15'	270
"	315° 50'	364
"	304° 15'	309
E Road (3rd)	323° 02'	405
"	340° 20'	347
"	01° 10'	332
"	06° 50'	
"	33° 08'	
"	40° 20'	436

T @ 1/4 1/4 Cor (S)

15' W To A " D "

299° 16' 695

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
			21 MAR 1963		10.
	+1°00'	+4.6	5.4	-0.8	75.3.
	+1°00'	+5.7	5.6	+0.1	76.2.
	+1°00'	+3.3	9.2	-5.9	70.2.
	+1°00'	+3.0	12.4	-9.4	66.7.
	+1°00'	+4.8	9.9	-5.1	71.0.
	-2°20'	-10.0	4.0	-14.0	62.1.
	-2°20'	-8.1	8.7	-16.8	59.3.
	-2°20'	-11.2	7.3	-18.5	57.6.
	-2°20'	-11.0	1.4	-12.4	63.7.
	-2°20'	-14.8	6.3	-21.1	55.0.
	-1°30'	-8.1	7.0	-15.1	61.0.
	-1°30'	-10.6	11.5	-22.1	54.0.
	-1°30'	-9.1	11.2	-20.3	55.8.
	-1°30'	-8.7	8.7	-17.4	58.7.
343			10.1		66.0.
392			0.6		75.5.
	+1°00'	+7.6	6.0	+1.6	77.7.
				see page #20	
	+1°30'	-18.20	6.50	-24.70	53.32 51.40

OBJECT

AZI

STADIA

41.4.9

T@ A "D" to 1/4 1/4 Cor

① 15' W

119° 16' 695'

3.95 H. I 958.21

954.26

G. E.

134° 40' 486

"

127° 40' 434

"

116° 35' 385

"

106° 30' 358

L Road

92° 05'

G E

79° 20'

"

77° 15'

"

53° 40'

"

47° 30'

R.R. Fence

40° 50'

" " "

36° 05'

" " "

27° 40'

G. E.

48° 45'

"

45° 30'

"

71° 15'

"

69° 30'

L Road

93° 00'

21 MARCH 1963 11.

DIST	VERT ANGLE	ROD EQUIV	ROD	DIFF	ELEV
Top Spike A "E"					
	+1°40'	+14.1	3.0	+11.1	69.3.
	+1°40'	+12.6	8.7	+3.9	62.1.
	+1°40'	+11.2	7.6	+3.6	61.8.
	+1°40'	+10.4	12.2	-1.8	56.4.
358			3.6		54.6.
364			6.2		52.0.
392			12.7		45.5.
440			13.3		44.9.
478			9.2		49.0.
542			8.0		50.2.
430			7.8		50.4.
324			10.0		48.2.
360			13.9		44.3.
248			12.4		45.8.
290			13.5		44.7.
199			11.2		47.0.
278			4.5		53.7.

OBJECT

AZI

STADIA

H.I 958.2

L Road

95°15'

G. E.

111°50' 300

"

122°15' 228

"

124°00' 337

"

135°00' 268

"

135°45' 388

"

145°00' 320

"

143°15' 430

"

155°00' 376

"

174°20' 342

"

174°20'

"

174°10'

"

173°25'

"

350°40'

"

348°30'

RR Fence

348.30'

3.95

958.21

954.26

6.50

951.71

21 MARCH 1963 12.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
192			5.2		53.0.
	+1°00'	+5.2	8.8	-3.6	54.6.
	+1°00'	+4.0	8.0	-4.0	54.2.
	+1°00'	+5.9	5.0	+0.9	59.1.
	+1°00'	+4.7	5.9	-1.2	57.0.
	+1°00'	+6.8	5.3	+1.5	59.7.
	+1°00'	+5.6	6.2	-0.6	57.6.
	+1°30'	+11.3	4.0	+7.3	65.5.
	+1°30'	+9.9	9.1	+0.8	59.0.
	+1°30'	+9.0	11.1	-2.1	56.1.
285			6.2		52.0.
182			6.3		51.9.
66			5.4		52.8.
43			6.4		51.8.
114			11.6		46.6.
180			13.7		44.5.

Top Spike A "E"
 To SPIKE in OAK
 100' W. of A D

OBJECT

AZI

STADIA

958.21

T.P 9.94 963/5.00 953.21

0.88 962.21 962.21

$$HI = 958.22$$

$$h_1 = 4.9$$

T at APT D

TO 1/4 Cor @ 15' W

119° 16' 695

SW COR HO

83° 18'

NW COR HO

78° 20'

SW COR CHICKEN COOP

73° 15'

NW COR CHICKEN COOP

70° 50'

SW COR BLDG

66° 25'

NW COR BLDG

64° 53'

6E

45° 00'

'

50° 40'

"

55° 45'

"

61° 15'

"

61° 00'

KP
 JS
 DS

DIST

VERT
ANGLE

ROD
EQUIV.

ROD

DIFF.

ELEV.

22 MARCH 1963

13.

Top Spike in Road
 spike in P.P. 1620' N of Center Sec.

BM

+6.51

(951.71)

+1°36'

+19.39

-6.5

+12.89

(971.19)
 971.10

470

1.3

56.9.

470

1.6

56.6.

494

5.7

52.5.

496

5.7

52.5.

550

6.0

52.2.

554

6.0

52.2.

693

4.6

53.6.

630

6.0

52.2.

600

7.2

51.0.

568

7.0

51.2.

560

8.5

49.7.

OBJECT

HI 958.22

AZI

STADIA

6E

54°20'

.

48°15'

Fc line

42°50'

6E.

45°10'

,

42°05'

"

40°20'

"

37°00'

"

31°40'

,

23°15'

"

7°00'

350°30'

958.22

13.74 944.48

T at ΔPT D

TO ΔPT D'

235°07½ 3.08

22 MARCH 1963 14.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
-------	-------------	------------	-----	-------	-------

520			9.0		49.2.
-----	--	--	-----	--	-------

558			9.1		49.1.
-----	--	--	-----	--	-------

610			7.7		50.5.
-----	--	--	-----	--	-------

716			4.6		53.6.
-----	--	--	-----	--	-------

616			6.2		52.0.
-----	--	--	-----	--	-------

552			7.0		51.2.
-----	--	--	-----	--	-------

468			5.3		52.9.
-----	--	--	-----	--	-------

382			6.5		51.7.
-----	--	--	-----	--	-------

300			7.7		50.5.
-----	--	--	-----	--	-------

122			10.2		48.0.
-----	--	--	------	--	-------

95			11.2		47.0.
----	--	--	------	--	-------

SPIKE IN 36" OAK NEAR Δ PT. D

-3.05'	-16.5	-3.0	-19.5	942.08
	-16.72		-19.72	938.50

OBJECT

AZI

STADIA

HI 958.22

T at PTD

GE

193°20'

"

197°20'

"

206°05'

"

213°10'

"

249°10'

276°10'

296°00' 136

311°10' 179

BM

6.51 951.71

(951.71)

22 MARCH 1963 15.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
330			7.3		
350			7.3		50.9.
296			12.2		46.0.
200			10.5		47.7.
147			12.8		45.4.
104			9.9		48.3.
110			9.7		48.5.
	-3°05'	7.3	8.0	-15.3	42.9.
	-3°05'	9.6	6.7	-16.3	41.9.

SPIKE IN 30" OAK 100' W ΔPT D

OBJECT

AZI

STADIA

π at $P_1 D'$ 41947.18^a $h_1 = 5.1$
 TO $P_1 D$ $55^\circ 07\frac{1}{2}'$ 3.08

BM 2.71 947.18^a (944.48)

GE $143^\circ 27'$ 206

" $126^\circ 25'$

" $87^\circ 30'$

" $58^\circ 55'$

" $38^\circ 00'$

" $26^\circ 25'$

" $21^\circ 35'$

EDGE WOODS $41^\circ 15'$ 264

" " $177^\circ 35'$

" " $164^\circ 05'$

" " $39^\circ 00'$

" " $17^\circ 05'$

G.E. $10^\circ 00'$

RR Fence $7^\circ 10'$

22 MARCH 1963

16.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
					(953.32)
	+2°14'	+12.01	-6.0	+6.04	953.19
SPIKE IN 36" OAK NEAR Point D					
	+1°30'	+5.4	2.9	+2.5	49.7
157			2.3		44.9
123			1.9		45.3
144			2.8		44.4
182			5.0		42.2
220			2.7		44.5
310			5.8		41.4
	+1°40'	+7.7	5.0	+2.7	49.9
202			0.0		47.2
75			3.8		43.4
56			7.0		40.2
125			10.7		36.5
180			11.5		35.7
240			7.1		40.1

OBJECT

AZI

STADIA

H1947.18⁹

G E

352° 25'

"

352° 25'

"

327° 20'

"

291° 10'

"

233° 10'

"

216° 50'

"

209° 20'

"

222° 20'

"

244° 00'

"

285° 40'

"

300° 00'

R.R. Fence

312° 00'

" " "

298° 30'

G. E.

280° 00'

"

253° 40'

"

233° 40'

226° 15'

TO ΔPT D²

254° 07'

6.00 941.18

22 MARCH 1963 17.

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFT	ELEV.
207			11.8		35.4
176			12.2		35.0
110			11.2		36.0
68			8.4		38.8
93			7.5		39.7
144			6.1		41.1
194			3.2		44.0
224			4.9		42.3
160			9.3		37.9
152			12.6		34.6
160			12.3		34.9
200			14.2		33.0
220			14.6		32.6
184			14.0		33.2
182			13.0		34.2
210			6.2		41.0
242			6.0		41.2
386			5.0		42.2

SPIKE IN OAK near APT D²

OBJECT

H. I. 946.9

EZ

STADIA

$\pi @ A "D"$ to

$A "D"$

4.48

74° 07'

B.M. 5.76 946.94

941.18

G. E.

111° 15'

"

90° 00'

"

62° 10'

"

48° 06'

R.R. Fence

37° 10'

" "

25° 05'

G. E.

42° 40'

"

80° 15'

"

124° 20'

"

181° 05'

"

313° 40'

340° 00'

R.R. Fence

338° 50'

" "

298° 30' 106

G. E.

268° 05' 86

"

239° 30' 104

"

248° 30' 150

22 MARCH 1963 18.

DIST	VERT. ANGLE	ROD EQUIV.	ROD	DIFF	ELEV
386			6.8		40.1
Spike in 12' oak near AD ²					
150			7.7		39.2
136			11.4		35.5
157			12.5		34.4
192			13.2		33.7
230			14.1		32.8
162			9.0		37.9
156			8.0		38.9
79			8.3		38.6
102			8.4		38.5
58			6.0		40.9
19			5.2		41.7
55			6.9		40.0
94			8.3		38.6
	-4°00'	-7.4	10.5	-17.9	29.0
	-4°00'	-6.0	11.6	-17.6	29.3
	-4°00'	-7.2	9.0	-16.2	30.7
	-4°00'	-10.4	5.3	-15.7	31.2

H. I. 946.9

GILSON

H. I.

STAIR

G E 268°00' 139

" 278°20' 147

" 270°10' 178

" 258°40' 176

" 252°50' 183

west

Pt. of ground lead 258°50' 272

Toe RR Slope 270°00' 186

" " " 283°10' 164

" " " 309°30' 122

" " " 359°30' 123

" " " 13°10' 160

" " " 24°50' 207

" " " 34°05' 265

" " " 40°05' 334

B. M.

946.94 2.52 944.42

(944.48)

22 MARCH 1963 19.

DIST?	VERT. ANGLE	ROD EQUIV	ROD	DIFF	ELEV?
	-4° 00'	-9.7	8.4	-18.1	28.8
	-4° 00'	-10.2	7.9	-18.1	28.8
	-4° 00'	-12.4	5.6	-18.0	28.9
	-4° 00'	-12.2	5.3	-17.5	29.4
	-4° 00'	-12.7	4.6	-17.3	29.6
	-3° 05'	-14.6	4.0	-18.6	28.3
	-3° 05'	-10.0	6.5	-16.5	30.4
	-3° 05'	-8.8	9.9	-18.7	28.2
	-2° 00'	-4.3	13.3	-17.6	29.3
	-2° 00'	-4.3	10.9	-15.2	31.7
	-2° 00'	-5.6	9.4	-15.0	31.9
	-2° 00'	-7.2	7.3	-14.5	32.4
	-2° 00'	-9.2	5.3	-14.5	32.4
	-0° 50'	-4.8	9.7	-14.5	32.4

spike in 36" oak by A'D'

HI = 975.88

$h_1 = 4.74$

BM 3.32 975.88

(972.56)

π at $\frac{1}{4}$ Cor @ 15' W

TO Δ PT D

299° 6' 695

13.65 962.23

(962.21)

HI 957.91

BM 6.20 957.91

(951.71)

π at Δ PT D

$h_1 = 4.7$

TO $\frac{1}{4}$ Cor @ 15' W

119° 6'

TO Δ PT D₁

235° 07' 2

310

BM

13.50

944.41

(944.48)

KP DS R. Boss	DIST	VERT ANGLE	ROD FOOT	ROD	DIFF	ELEV
---------------------	------	---------------	-------------	-----	------	------

25 MARCH 1963 20

SPIKE IN FP at $\frac{1}{4}$ $\frac{1}{4}$ Cor.

		-1°21'	-16.33	-6.5	-22.83	53.1 (53.3)
--	--	--------	--------	------	--------	----------------

SPIKE IN PP 1620' N CTR Section

SPIKE W OAK 100' W. APT D

		-2°25'	13.03 ⁰⁵	3.0	16.0	42.1 (41.9)
--	--	--------	---------------------	-----	------	----------------

SPIKE IN 36" OAK NEAR POINT D'

OBJECT

AZI

STADIA

KP
JS
DS
W.M.
R. Bross

20 MARCH 1963
SUNNY
WINDY

21.

Ramsey Co. Home Golf Course

STADIA

Bench levels

Sta	+	π	-	Elev.
BM	2.99	989.12		(986.13)
			5.57	983.55
	0.37	977.03	12.46	976.66
			7.43	969.60
	8.39	974.77	10.65	966.38
	2.07	974.63	2.21	972.56 ✓
	2.45	969.66	12.42	962.21
	2.54	956.80	10.40	954.26
	2.28	953.11	5.97	950.83

BM		5.33	947.78	(947.76)
----	--	------	--------	----------

20 MARCH 1963

22.

Lt

≠

Rt

Top mont Ctr S14-T29-R22

● SPIKE in F.P. 200' N of Center of Section

SPIKE in ground

● SPIKE in F.P. 410' N. Center of Section

TOP SPIKE Δ PT B.

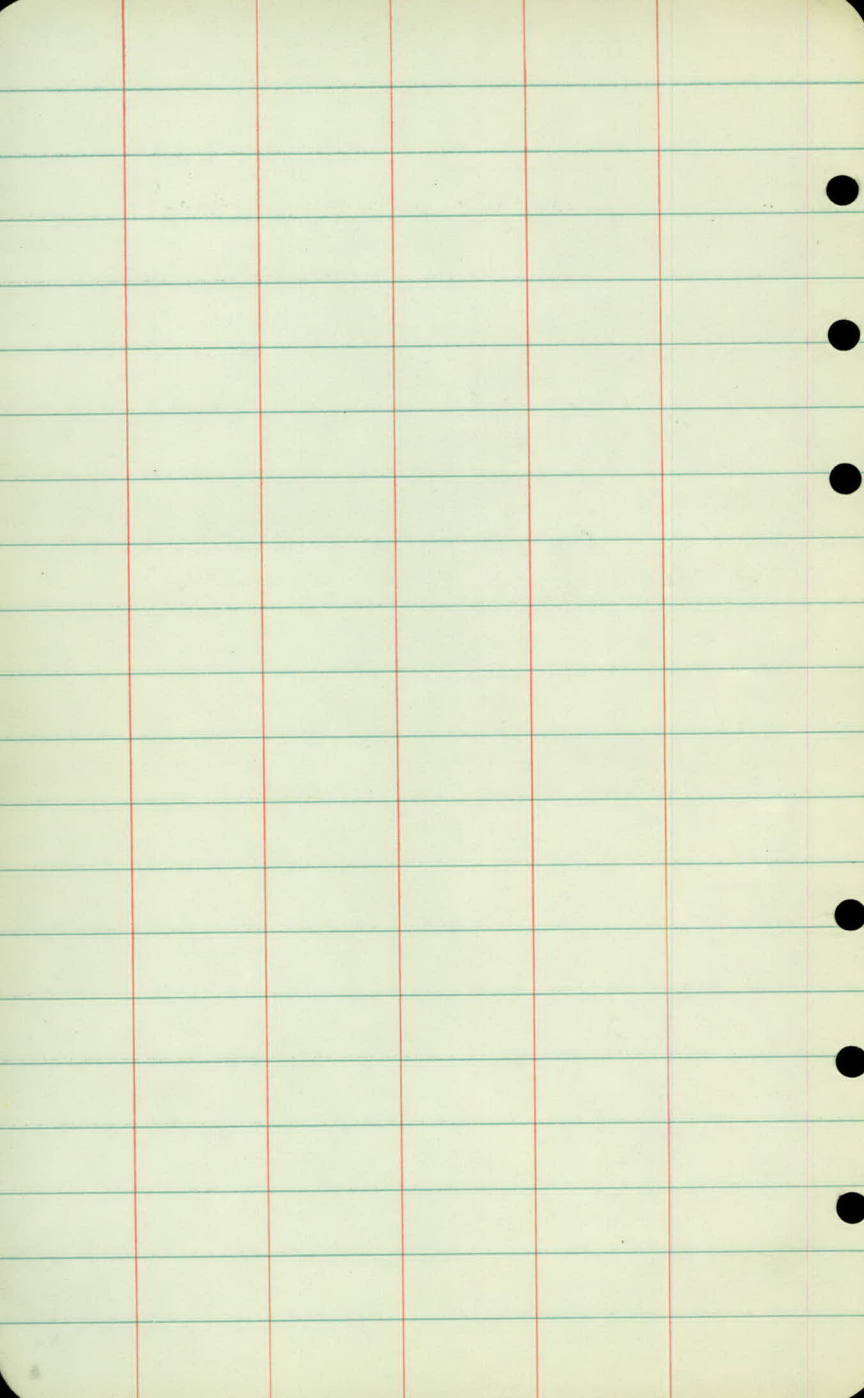
● P.K. in PP AT $\frac{1}{4}$ $\frac{1}{4}$ Cor.

SPIKE in PP 1620' N. Center Section.

TOP SPIKE Δ PT E.

SPIKE IN 14" OAK 2950' N. Center of Section

SPIKE in PP. SW COR Co. Rd & 7th St.



Golf Course No 2

stadia

3 pages

Obj. H.I. = 976.76
AZ Stadia

Lat $\frac{1}{4}$ $\frac{1}{4}$ Cor

North = 0°00'

to ΔF 118°56' 267

H.I. = 985.36

Lat ΔF

to $\frac{1}{4}$ $\frac{1}{4}$ Cor 298°56' 268 -

GE 146°10' 365

" 139°50' 314

" 131°10' 260

" 123°45' 231

" 116° - 222

" 98°40' 200

" 78°45' 183

" 57°45' 197

" 43° - 232

" 31°15' 303

" 27°40' 341

" 39° - 335

FK
DS
RH

Vert Angle

June 11, 1963
Cold Clear 45°
Rod

2

BM ✓

H.I. = 976.76

4.20

972.56

+1° 50' +8.54 5.0 2 +3.54

12.8

972.56

3.4

82.0-

5.3

80.1-

10.0

75.4-

8.2

77.2-

4.6

80.8-

3.8

81.6-

2.3

83.1-

2.3

83.1-

2.7

82.7-

3.6

81.8-

3.5

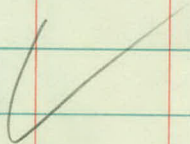
81.9-

2.9

82.5-

H. I. = 985.36

GE	47°40'	288	
"	58°50'	260	
Property Line	78°15'	245	
GE	96°10'	250	0.4
GE	106°30'	264	
"	111°50'	275	
"	123°40'	300	
"	131°30'	335	
"	137° -	4.15	
SW Cor Shed	115°10'	221	
SE " "	111°05'	257	
NE " "	107°40'	251	
NW " "	111°15"	213	



June 16, 1963

3

Vert Angle

Rod

 $+10^{\circ}35'$ +2.94

5.0

-2.1

83.3-

—

0.9

84.5-

—

+2.0

87.4-

—

1.3

84.1-

3.0

82.4-

 $+1^{\circ}23'$ +6.6

8.0

-1.4

84.0-

—

8.2

77.2-

5.2

80.2-

4.5

80.9-

—

4.3

81.1-

 $+1^{\circ}06'$ +4.9

8.0

-3.1

82.3-

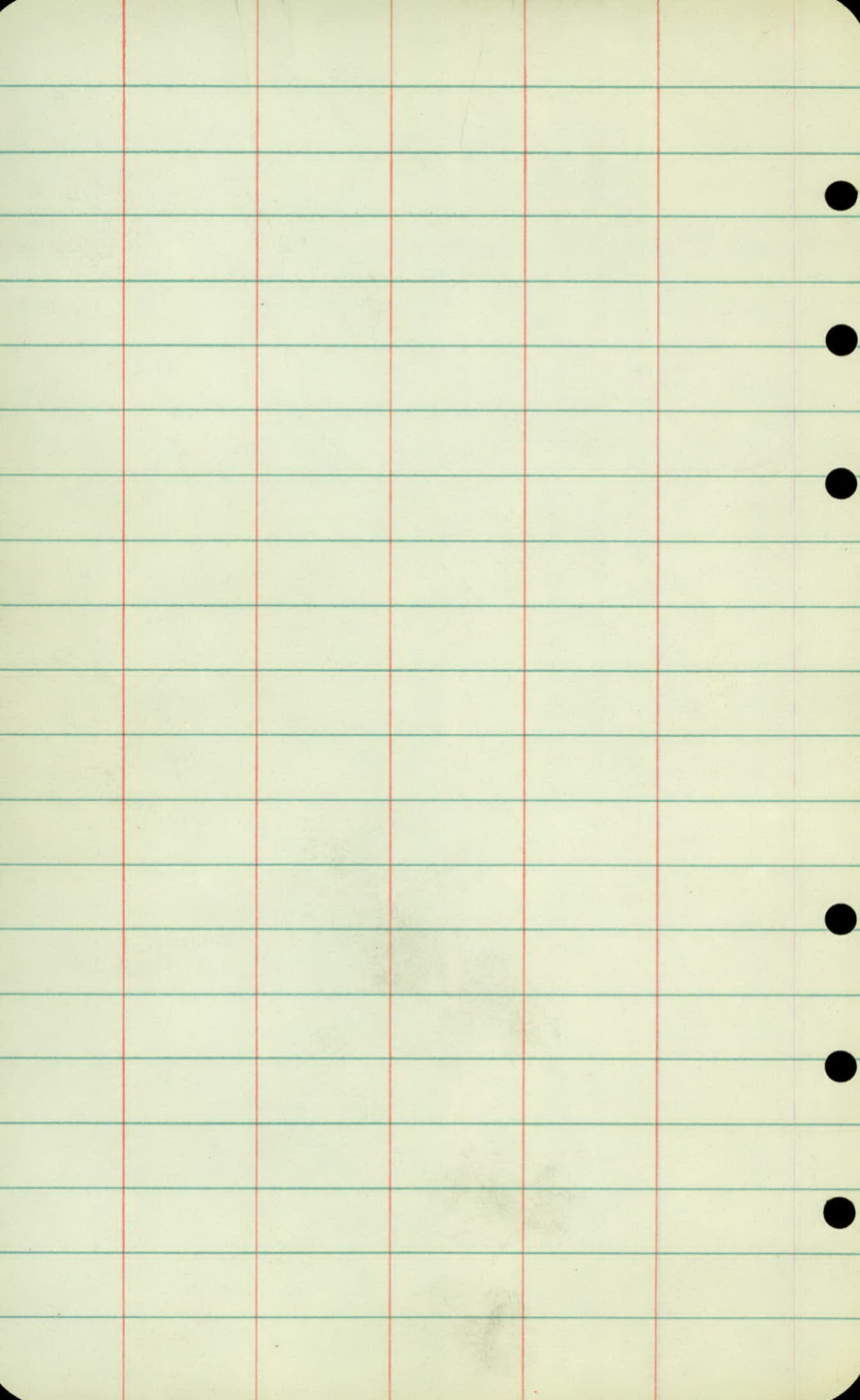
—

3.2

82.2-

3.2

82.2-



1
Ramsey County Golf
Course No. 2

property Corners

Railroad
36' 56'

Found Irons
Block 7

Iron
Iron

Block 15

52.77 9.15 Hyd 70.06 30° Oak Disk
P.P. 50.90 85.13
Disk 3270 222.3' 120
41' Found Rust Ring
Placed Iron

Iron 60 Iron Pin

Block 16

Found Rust Ring
Placed Iron

60' Iron

60' Iron

Block 25

1/4 Line
1/4

44' Found Iron

159.5
30.14
239.94

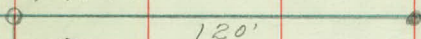
57
17
44

FK
TL

May 18, 1964
Feb. 8, 1966

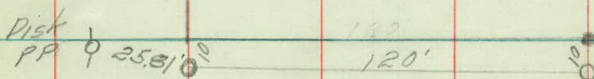
2

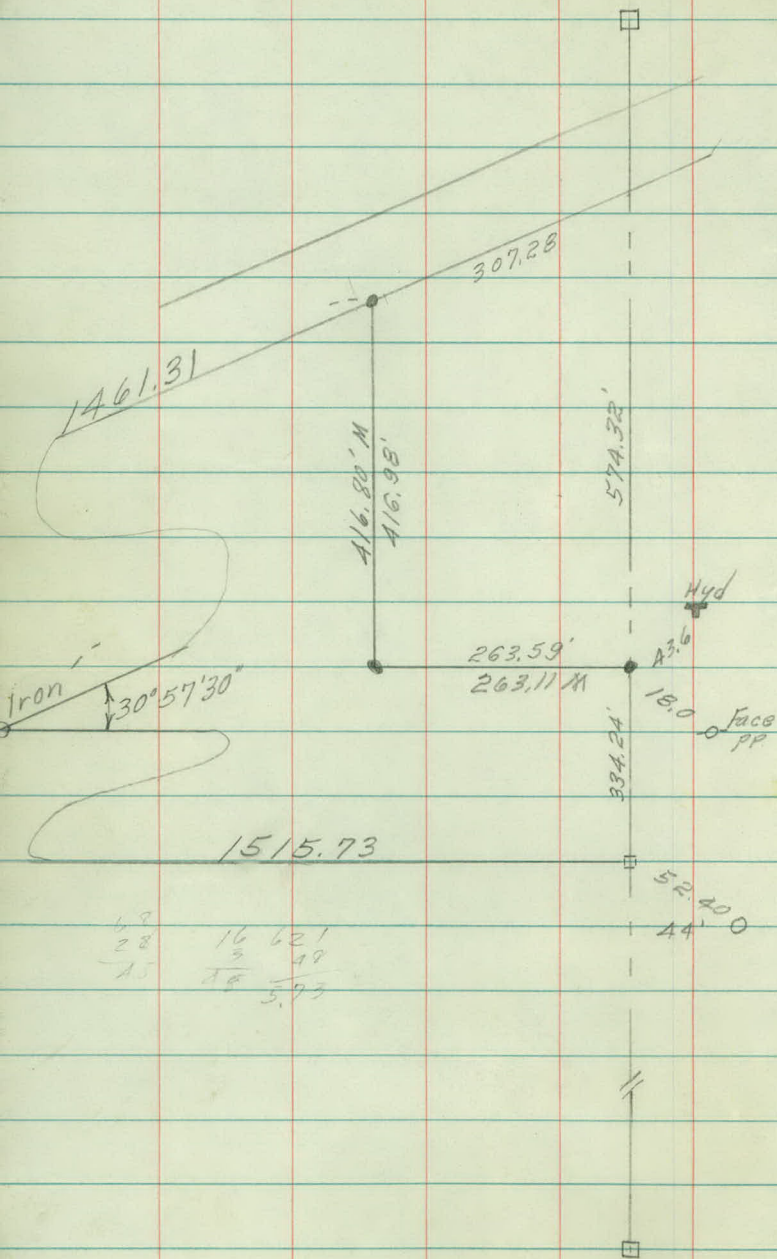
THIRD ST.



#2050
Cor. Fo.

10 12 1/10 9 8 7 6





$$\begin{array}{r}
 68 \\
 28 \\
 \hline
 15
 \end{array}
 \begin{array}{r}
 16 \ 621 \\
 3 \ 49 \\
 \hline
 15 \ 573
 \end{array}$$

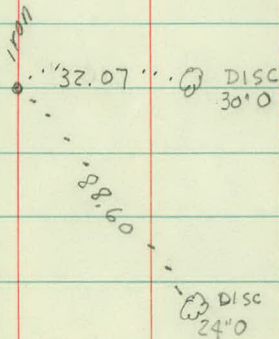
RP
VS
FS
LB
DS

3 APRIL 1962



N.W. COR OF SW $\frac{1}{4}$ OF NE $\frac{1}{4}$ of
SECTION 14-T29-R22

Reset 2-66



1/4 Cor. □

To NW 1/4 Cor. Sec. 14 →

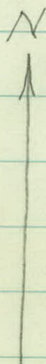
2629.52
NTC 2630.04

To Ch. Sec. 14

131476
131502 NTC
NTC 328.69

328.69
328.24

89°55' 22 1/2" M



390.23

300' →

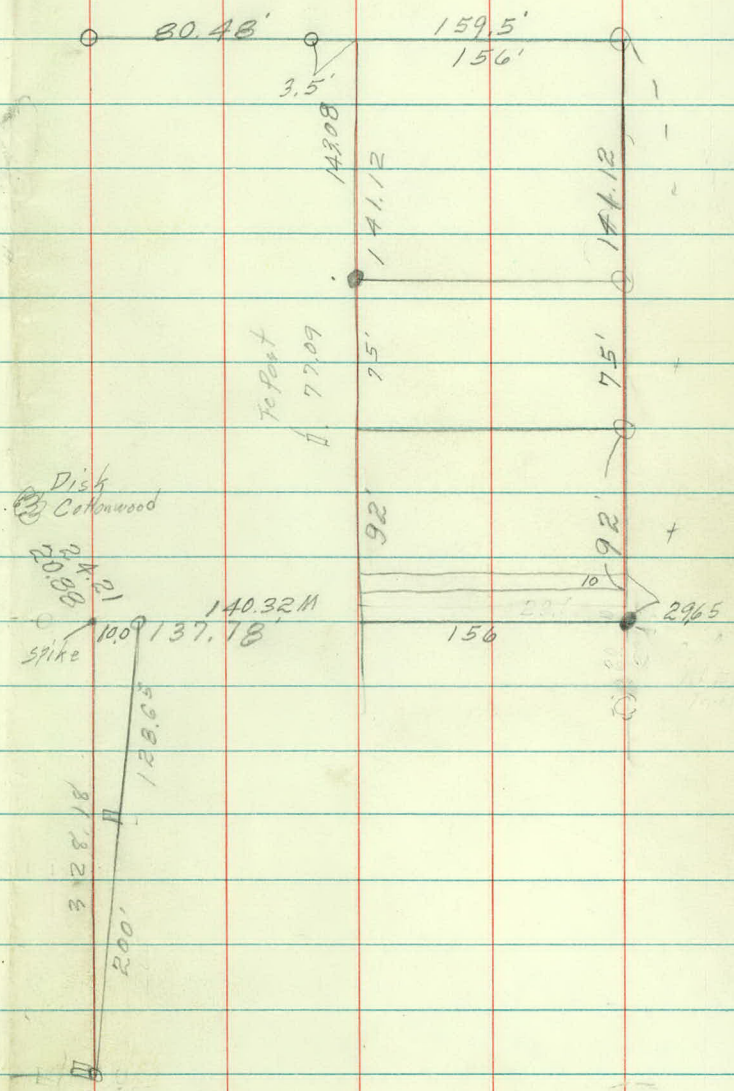
Sprinkler
Head

326.44 - Spike
336.43 - Iron
324.56
WB C

WB C
324.56

100'

326.93 M
326.63 C 2 1/2' →



N

100'

226.93

0.30

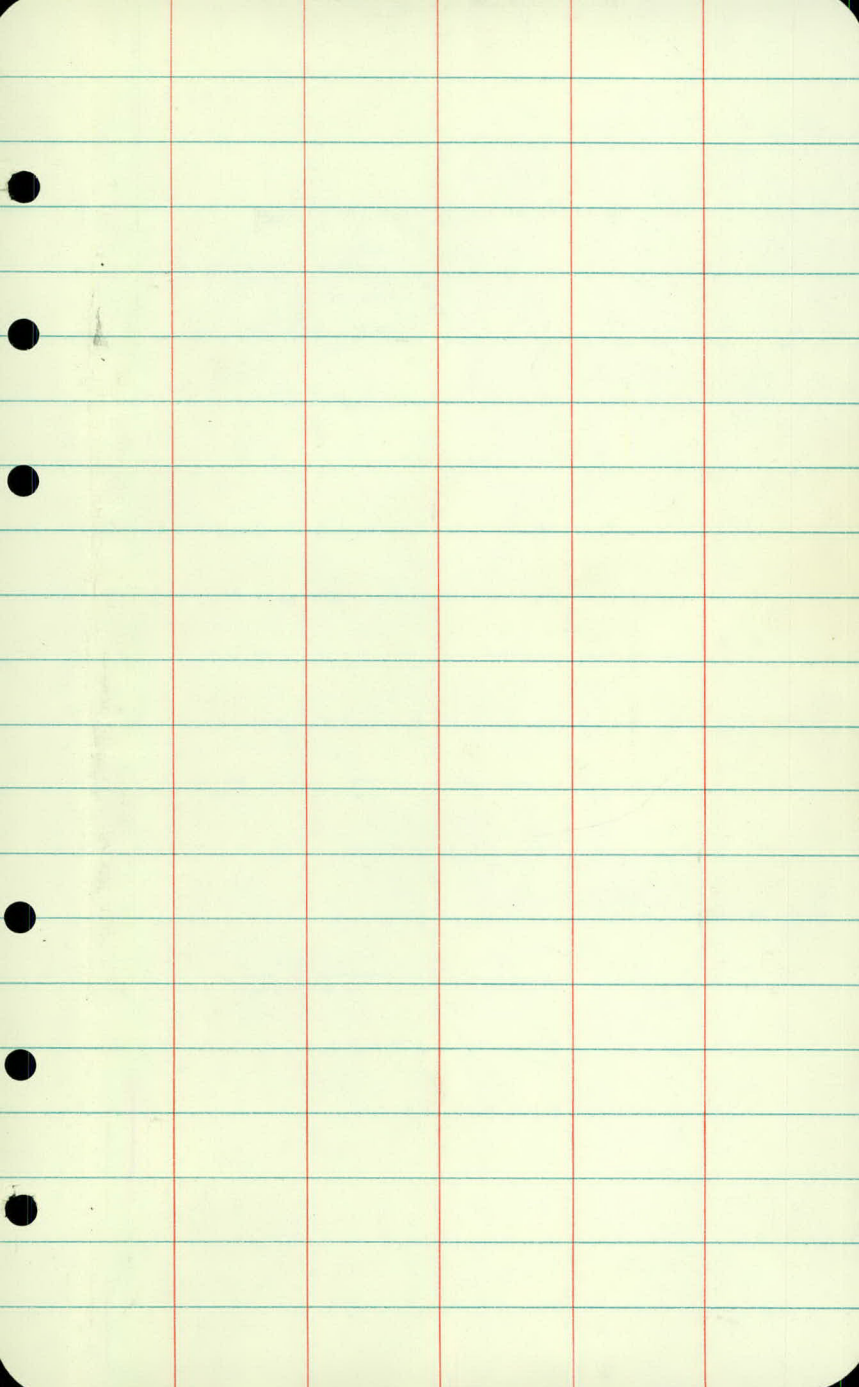
657.38'

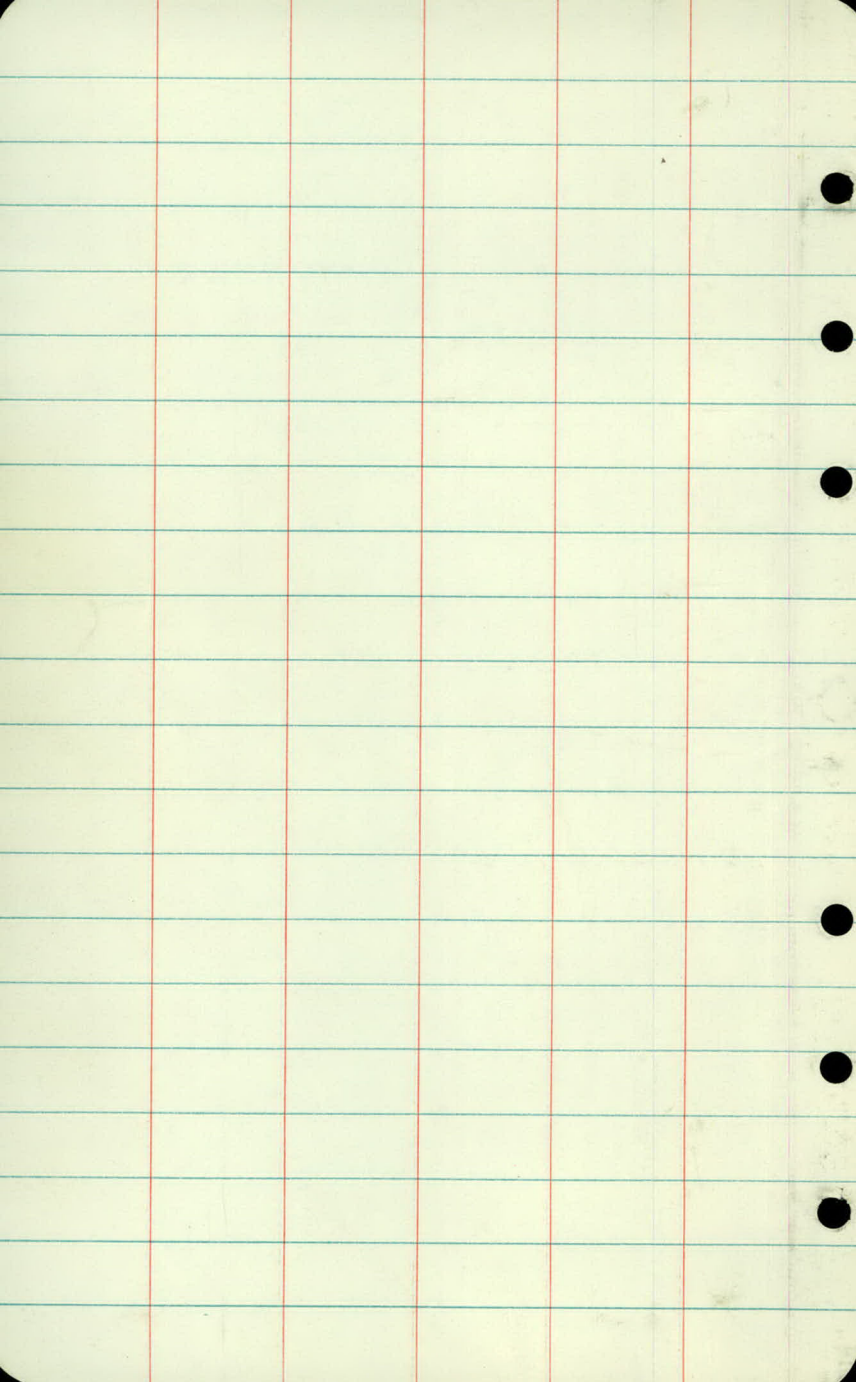
50'

ctr. Sec.

14

7th St.





Dec, 15, 1964

1

Ramsey County
GOLF COURSE No. 2

500 Line R.R.



263.59

263.35 Bent



T

Spike

31.58

87.48

Dist 18' 0"

Iron

0

Dist

14'

18.35

Iron in Ent.

190'

15.39

Iron pin
on Root
Celar

Monti

FK
JS
WM

Dec. 15, 1964
Overcast 5°

2

Az.

Dist.

X at NE Cor. of SE $\frac{1}{4}$ of
NE $\frac{1}{4}$ of Sec 14

To Ctr Sec 14 180°

Tee #9 (Back) 58° 117' ✓

Tee #8 93°- 302' ✓

Green #7 125°25' 277' ✓

Green #8 209°30' 185' ✓

Front Tee #9 208°30' 86' ✓

Green #10 297°- 353' ✓

Tee #11 320°40' 490' ✓

Tee #10 271°30' 985' ✓

Green #9 265°20' 1100' ✓

Tee #7 90.5' North and

43.5' West of Ctr. Sec. 14

Dec, 15, 1964

3

$$\begin{array}{r} 1 \overline{) 9.84} \\ \underline{9} \\ 8 \\ \underline{8} \\ 4 \\ \underline{4} \\ 0 \end{array}$$

KP
DS
LPD

13 SEPT. 1974 1,
CLOUDY 54°

GOODRICH GOLF COURSE PROFILE

4 PAGES

STA	+	T	-	ELEV
BM	1.73	987.74 ^{.86}		986.13
	0.94	977.18 ^{.90}	10.90	976.84 ^{.76}

0+00

0+00

+50

+90

1+00

+52

2+00

13 SEPT 1974 2

TOP MONT CENTER SEC 14-T29-R22

TOP ROCK 10' RT 0+00

77.4 77.7

0.5 0.2
16

74.9 75.3

3.0 2.6

73.2 31 75.7 76.6

4.7 2.2 1.3
20 62
BLDG

72.6 75.8

5.3 2.1
20

70.6 74.0 74.7

7.3 3.9 3.2
12 16
BLDG

68.6 72.6

9.3 5.3
13

STA

+

K

-

ELEV.

77.20
977.78

2+50

3+00

+50

4+00

+50

5+00

TP

81.65
12.62 981.53 8.87 69.03
968.91

LT

E 13 SEPT 1974 3.
RT

68.2 71.8

9.7 6.1

13

68.5 72.1

9.4 5.8

14

68.4 71.8

73.7

9.5 6.1

4.2

14

92

BLDG

68.3 71.8

9.6 6.1

14

69.1 72.5 73.0

8.8 5.4 4.9

10

16

BLDG

69.0 70.6

8.9

7.3

10

TOP SPIKE E STA 5+00

STA + π - ELEV
^{81.65}
 981.53

5+25 = FE COR.

+50

6+00

+50

7+00

^{84.17}
 7.90 984.35 5.08 ^{76.57} 976.45

^{87.49}
 6.26 989.37 1.24 ^{83.23} 983.11

BM

^{86.23}
 3.26 986.11 (986.13)

LT

£

13

SEPT
RT

1974 4,

69.03

67.5

14.1

68.8

74.3

12.8

7.3

38

71.3

74.5

10.3

7.1

31

BLDG

74.0

7.7

76.8

76.7

75.4

4.8

4.9

6.2

8

16

Cor SW

SPIKE IN GROUND

TOP MONT

Locate Corner 966.0

T.P.	5400	969.08
		75
	1.96970.29	968.33
	966	4.3

27+91 Water Main Crossing

22+89 2" Maple 5' Lt

19+32 Water Main Crossing

17+22 Water service Crossing

17+00 P.I. 26°41'

15+00 Aprox Sanitary Sewer Line

10+64.82 P.I.

26.95

10+37.87 P.I. 12°58'30" Lt

2150
13.07
2136.93

86 47
173° 34'
94

2+36.93 Back of Curb

26.38

2+10.60 ± WEA

S 86°47' E

88.57

73.31

181.88

90.94

$\frac{1}{2}$ " Copper Main
 +36 18" Deep
 Edge Green
 +26 48

+14 W. Ser 25

12 - Green 16

+88 Green 12

+80 4" P 60

+65 Edge Green 16

+48 Edge Green 40

+50 4" P 43

11

Fe Cor
110

+86 x-Fe

10

FH Sept. 23, 1974
KG

Green



15

Aprox. Sanitary Sewer Line Crossing
 +91 $\frac{MH}{67}$

14

+34 $\frac{6" Maple}{26}$

13

+73 $\frac{W. Ser.}{46}$

FK Sept. 23, 1974
KG

92

+41 B. Tee
34-63

+37 Green
73

+22 Water Service 1 1/2" Copper
Crossing 18" Deep

17

+20 Green
51

Green
51

+98 Green
80

+83 8" Ash
30

14

+43 2" Maple
38

15

FK Sept. 23, 1974
KG

Green

200
200

200

20

+32 Water Main 4" C.I.
Crossing 18" Deep

19

+16 End Tee
28-66

18

FK Sept. 23, 1974
KG

1 ————— 1 ————— 1



22

21 -

+50 6" Maple
39

20

FK Sept. 23, 1974
KG

(33)

25

+23 S. Trap
26-52

24

S. Trap
30

+75 S. Trap
48

23

+89 2" Maple
5'

FK Sept. 23, 1974
KG

5
4
3
2
1
0

63

27

141 2" Maple
12

26

25

FK Sept. 23, 1974
KG

63

30

Fe Cor $\rightarrow$ 141' in Line
 $+90 \frac{966}{8}$ W. Ser. 4" C.I.
30" Deep

 $+23 \frac{966}{8}$
 $+13 \frac{966}{7}$
 $+11 \frac{966}{11}$

29

 $+10 \frac{966}{8}$

28

 $+91$ Water Main 4" C.I.
Crossing 18" Deep

FK Sept. 23, 1974
KG



145.37
380
525

5253
455
70.3

115.3

340

455.3

145.33
380

937.30 Oak tree

Add 2.46

BM

937.30

Top Pipe

930.3 932.76

8+30

935.9 938.36

2.46
938.36

9

936.9 939.36

+50

937.3 939.76

+85

936.0 938.46

10 -

932.78 935.24

2.46
935.24

+37.87

33.5 35.96

+55 Ditch

31.2 33.66

+65

33.2 35.66

+86 at Fe

32.1 34.56

BM

937.78 940.24

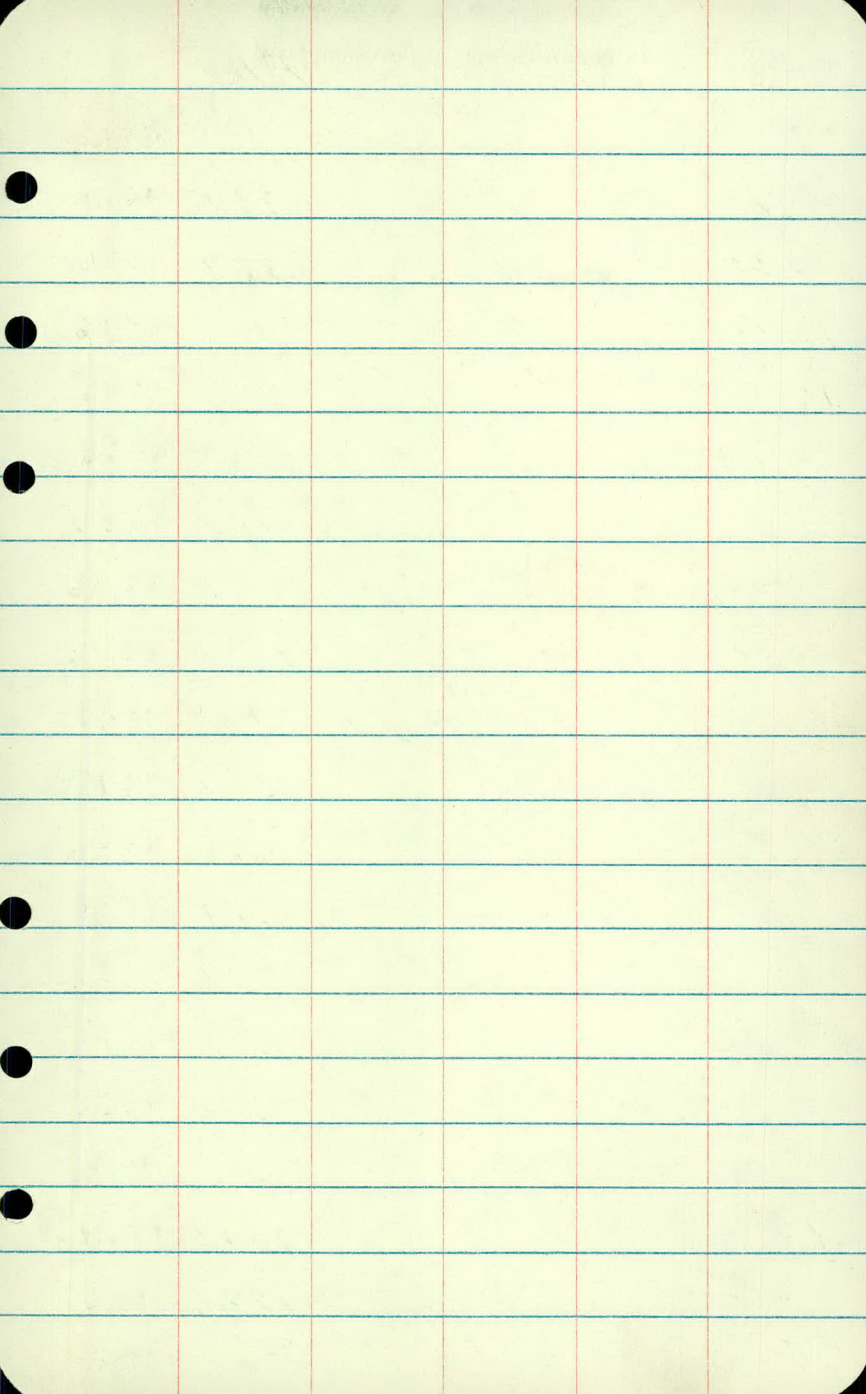
FK
JT

Beautiful
Oct. 11, 1974

Nail in 22" Oak NW Cor Race Track
inside Racetrack

Pipe & Gate

Sta		Elev	
11+00		130.5	932.96
+13		28.5	30.96
+50		28.9	31.36
+68		10.30.1	32.56
12+00		29.1	31.56
+36	Pipe Crossing	29.2	31.66
+50		29.54	32.00
13+00		30.0	32.46
+50		30.7	33.16
14+00		31.96	34.42
+30		32.5	34.96
+62		31.1	33.56
15		30.9	33.36
+12		31.8	34.26
+22		31.4	33.86
+52		33.8	36.26
+82		37.8	40.26
16		38.4	40.86
+35		39.4	41.86
+65		39.8	42.26



Sta		Elev.	
17		939.9	942.36
BM		938.78	941.24
+22	Pipe X-ing	939.7	942.16
+50		940.2	942.66
18		942.2	944.66
+50		945.1	947.56
19		946.2	948.66
+32	Water X-ing	946.7	949.16
+50		947.4	949.86
20		948.9	951.06
+50		950.0	952.46
21		951.6	954.06
+50		951.1	953.56
22		950.6	953.06
+50		950.0	952.46
23		950.2	952.66
+50		951.4	953.86
24		954.5	956.96
+50		956.6	959.06
25		958.7	960.76

FK
JT

Beautiful Oct 11, 1974

South Corner Conc Base Drinking fountain

946.43 =TP Top stake

953.74 =TP top Lot 6 Sta 23

25+50		959.7	962.16
26		958.6	961.06
+50		959.1	961.56
27		961.1	963.56
+20		962.5	964.96
T.P.		962.87	965.33
+50		965.8	968.26
+91	Water Main X-ing	969.0	971.46
28		968.9	971.36
+50		963.5	967.96
29		964.0	966.46
+10		963.5	965.96
+50		963.3	965.76
30		962.8	965.26
T.P.		962.49	964.95
29+90	W. Service X-ing	962.7	965.16
Ground at Fe Corner		965.1	to Have
Sta 5+00 Spike at Fe		966.70	969.08
		<u>246</u>	
		69.16	

950.56 east rim MH #6

929.96 North end 18" RCP } flow line
931.49 south end 18" RCP }

973.50 Top Hyd 100'± E of Sta 27+25

966.0
963.5
2.5

2.3

STA	+	π	-	ELEV
BM	0.49	973.99		973.50

0.83	961.43	13.39	960.60
------	--------	-------	--------

1.30	949.61	13.12	948.31
------	--------	-------	--------

9.31	945.38	8.54	941.07
------	--------	------	--------

BM		5.38	940.00
			<u>37.30</u>
			2.7

BM	0.51	974.01		973.50
----	------	--------	--	--------

0.08	960.56	13.53	960.48
------	--------	-------	--------

1.25	948.78	13.03	947.53
------	--------	-------	--------

0.23	936.62	12.39	936.39
------	--------	-------	--------

2+70.6		11.65	924.97
--------	--	-------	--------

2+36 Gutter		12.56	924.06
-------------	--	-------	--------

+37 curb		11.60	925.02
----------	--	-------	--------

B.M.	7.32	930.64	13.30	923.32
------	------	--------	-------	--------

+41		5.5	925.14
-----	--	-----	--------

2+50		10.8	919.84
------	--	------	--------

2+63		15.3	915.34
------	--	------	--------

KG.
JT

TOP HYD 100' ± E of STA 27+25

TOP of WAIN So side of Circle View Dr.

TOP Electric box on P.P. (master Pole) in horse yard.

TOP West post at corral.

ELEV nail oak in old cemetery.

TOP HYD 100' ± E of Sta 27+25

TOP WHITE WALL

TOP HYD NW COR. WBA & FLANDRAO

SPIKE IN POWER POLE

COR. CATCH BASIN

STA	+	π	-	ELEV
		930.64		
3+00			15.6	915.04
+19			13.0	917.64
+50			6.5	924.14
4+00-TP	10.50	939.85	1.29	929.35
+50			7.6	932.25
B.M.			0.09	939.76
				371.30
5+00			8.2	931.65
+50			8.7	931.15
6+00			10.3	929.55
+50			10.9	928.95
T.P.	4.93	934.93	9.85	930.00
			4.89	930.04
7+00			5.8	929.13
+50			4.6	930.33
8+00			3.5	931.43
+06			3.4	931.53
T.P.	10.83	943.61	2.15	932.78
				28.4
+30TP			5.14	938.47
				35.9
				2.5
T.P.			10.76	932.85
10+00 spike			8.33	935.28 ✓
				35.20

Nail in 18" Oak NW Corner Race Track

CONC. CULVERT

INV. CULV. TO SO

STUMP 8+08

✓ TOP SOUTH END CULVERT.
↓
T

D^S
JT Oct 17, 1974

+ π -

30+00 5.P 970.36 965.26

966 cont. 966.06 4.3 966.06 966.

2.3 968.06

TP1 1.05 969.31

972.46

3.15 971.46

969.00

3.46 968.00

WATER 6.25 966.21
965.21

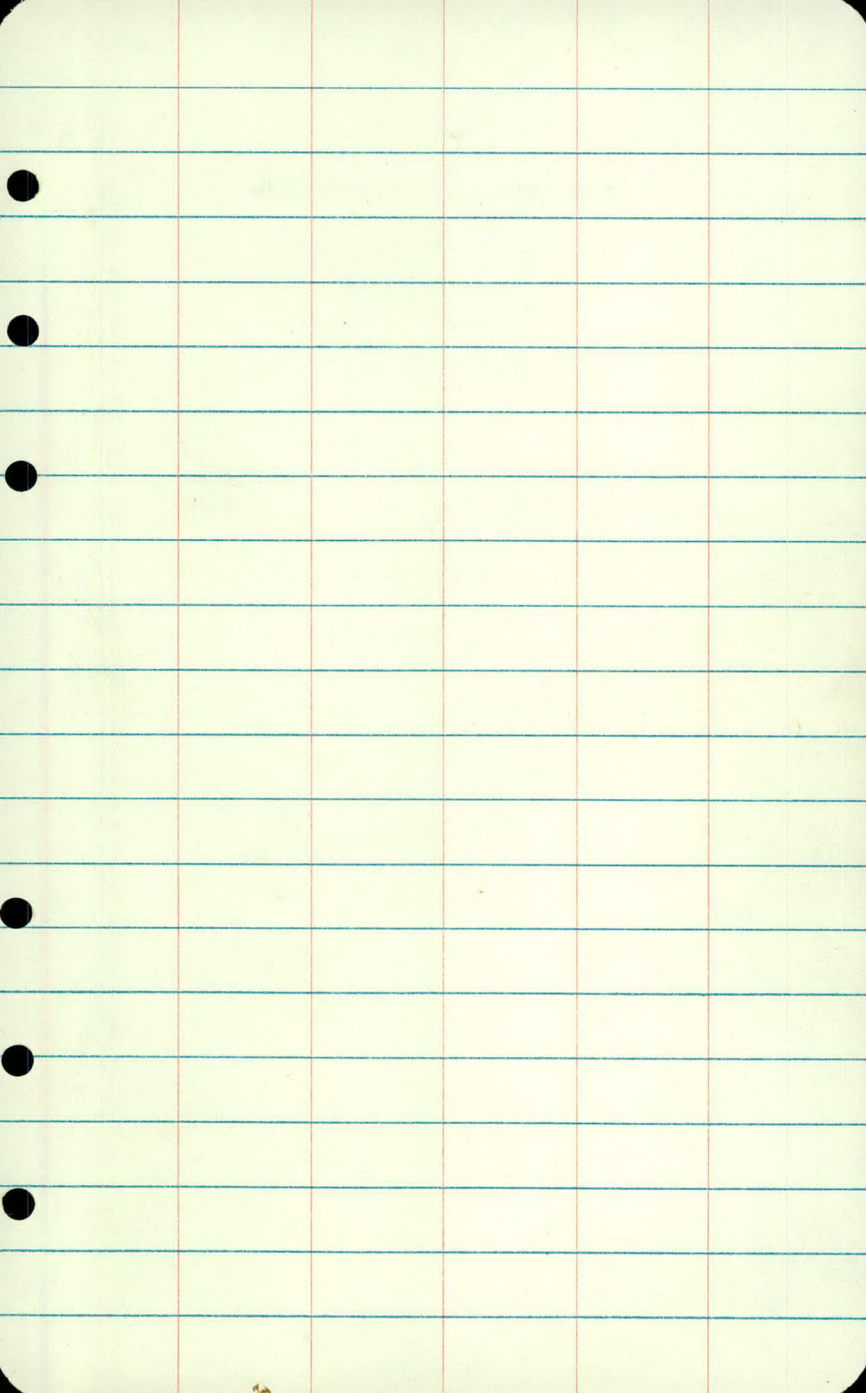
BM 4.65 969.91 965.26

4.91 965.00

2.90 972.21 969.31

4.21 968.00

WATER 5.15 966.26



- + 2WB → 2 Tracks 90.94
 + PP 39' Lt
 +54 X-Fence
 +54 Pipe Post Lt 20-25-31
 +25 6" E 35' Lt
 +84 Stp 20' Rt
 +94 Stp 15' Rt
 +93 Stp 34" Oak 38' Rt
 +06 to } 12-7" Elm 2 to 24' Lt
 +22 }
 +00 2 Track 77' Lt
 +48 26" Cof 20' Lt
 +48 6" Elm 22' Lt
 +750 10" Elm 22' Lt
 +54 Tw 6" Elm 19' Lt
 +53 28" Oak 26' Rt
 +80 4" Birch 19' Rt
 +93 3" Birch 19' Rt
 +50 2 Track 70.4' Lt
 +50 Broken down Fe 25

4+00 Fe 18' Lt 47

4+00 L Track 65' Lt

+00 3" Birch 20' Rt

+00 14" Oak 26' Rt

+10 10" Elm 10' Lt

+13 2" Cott 17' Rt

+27 " 21' Rt

+34 2" Elm 11' Rt

4+50 Track 60' Lt Fe 13 47

+69 28" Oak 31' Rt

5+00 Fe 8' Lt Track 56' Lt Rabbit 12' Lt

+42 Quad 12" Cott 8' Lt

+50 Fe 4' Lt Track 53' Lt

+59 8" Oak 8' Lt

+72 4" Oak 10' Lt

+79 4" Oak 12' Lt

+84 Tw 6" WO 8' Lt

+55 4" Elm 20' Rt

+73 5" B.E. 21' Rt

6 Fe 3' Lt Track 54' Lt

- 6+12 Trip 8" Cott 24 Lt
- +11 Tw 10" Cott 21' Rt
- +29 5" Birch 22' Lt
- +50 12" Elm 5' Lt Track 55' Lt ^{Fe 4}
- +61 Tw 8" Cott 29 Lt
- +73 Begin Woods $\pm$ to 20' Rt
- +82 NE Culvert 15" SCP 3' Rt
- 7+00 Woods 9' Lt to 12' Rt
- 7+00 Fe 8' Lt Track 59' Lt
- +50 Fe 14 Lt Track 67' Lt
- +50 Woods 10 Lt to 14' Rt
- +80 End Broken Fe
- 8 Track 75' Lt
- +00 Woods 16' Rt & Lt
- +20 End Woods $\pm$
- +25 " " Lt 18
- 10+32 A" BE 9 Lt
- 10+55 $\pm$ 2' Ditch

1
Goodrich Golf Course

Ponding Area

Staking

Sta	+	π	-	Elev.
BM	2.23	989.54		987.31

B.M.			2.26	987.28
------	--	--	------	--------

T.P	0.55	977.51	12.58	976.96
-----	------	--------	-------	--------

T.P	2.10	972.40	7.20	970.30
-----	------	--------	------	--------

BM	3.36	974.30	3.36	969.04 (970.94)
----	------	--------	------	-----------------

Bottom	960.00	14.3	8.3	C 6.0
--------	--------	------	-----	-------

Fe Cor.			4.1	970.1 67.5
---------	--	--	-----	------------

BM				(969.08)
----	--	--	--	----------

	967.5		63.5	C 3.5
--	-------	--	------	-------

Top of Culvert	Apron	From Apts	969.45
----------------	-------	-----------	--------

"	"	Storm Sewer Apron	969.65
---	---	-------------------	--------

T.P	$\bar{9.53}$	π	+	
	10.53	968.43		976.96

	2.20	968.64
--	------	--------

	2.02	968.45
--	------	--------

FK
DS
KG

Oct. 14, 1975

2

MONUMENT CTR SECTION

NAIL 80' S 0 MO 2 TEE

OUT OF BOUNDS STAKE SAND TRAP #2 FAIRWAY

Nail West side 20' Oak

Spike Sta 5+00 Fence Corner = 5+25

Rock

Sta - (K) +

BM 8.12 959.38 967.5

Pond area 1.82 61.20 C1.2
2.12 61.50 C1.5

Grade Rod

7.3 7.3 Grade

6.8 F0.5

6.9 F0.4

6.5 F0.8

7.0 F0.3

BM 10.23 957.27 967.5

960.0 2.73

4.23 1.5

BM 6.46 961.04 967.5

WS 4.56 965.60 pond

FK
DS

Oct. 16, 1975

3

FK
L Frandsen

Oct. 17, 1975

FK
L Frandsen

10-20-1975

Pipe Between Pond Staking
Inv = 962.0

⑤ 10'E

BM

967.5

0+00

961.65

F0.35

+25

66.07

C4.07

+50

66.98

C4.98

+75

67.90

C5.90

1+00

67.34

C5.34

+25

68.25

C6.25

66.72

C4.72

WS

965.59

FK
KG

Oct 21, 1975

4

Conc Base Corner Se Post

$$\begin{array}{r} 65.81 \\ 3.13 \\ \hline 962.68 \end{array}$$

$$\begin{array}{r} 64.78 \\ 3.13 \\ \hline 61.65 \end{array}$$

