

Dr. 9 Bk. 1

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

DAY Rd. by GOLF COURSE - JUNCTION AVE

From DAY To DULUTH

Road Acc't. No. _____

Date Filed 2-6-59

File Dr 9 Bk 1

Keller Golf Course studio
Keller Practice Tee Property Lines

1
Day Road
by
Golf Course

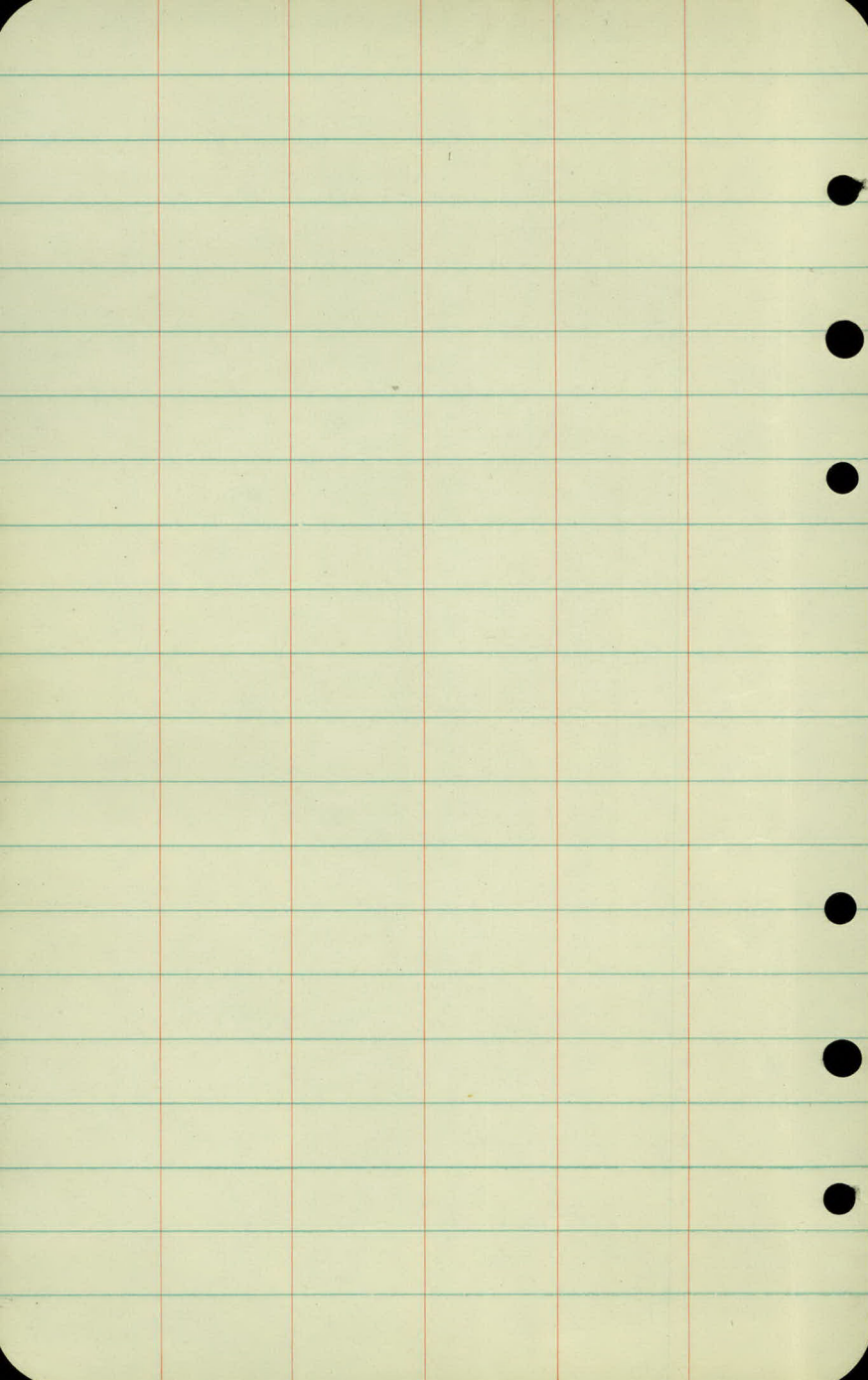
PLAN SURVEY

23 pages

Junction Ave.
Day to Duluth

REC. 6/25/56

~~h. D. G.~~



June 8, 1956

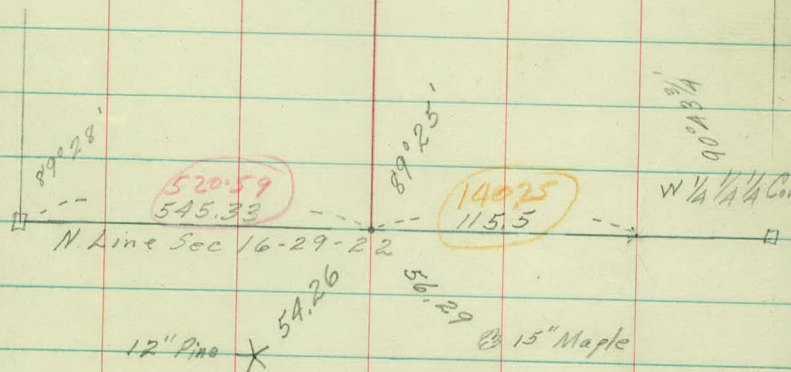
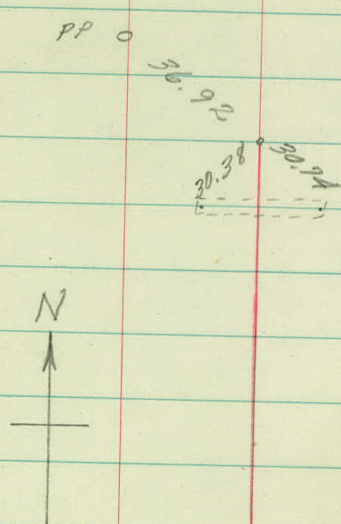
2

Alignment

Sta	Point	$\Delta Lt.$	$\Delta Rt.$
-----	-------	--------------	--------------

6760 E Co Rd "B"

0700



← Z

Section line

-- 30' --

E Day Road

-- 30' --

0+00

June 14, 1956

4

TOPOGRAPHY

4 +100 $\frac{PP}{12}$ Road
 +85 $\frac{8.5' Drive}{19}$ 6-8
 4 Willow +58 31 +61 $\frac{Ent R.}{8}$
 +49 $\frac{SE Cor. H.}{55}$ +48 $\frac{Begin Trees Rt}{22'}$
 10 Small Pines +42 $\frac{Phon R.}{20}$
 33-45' +10 $\frac{Begin oil surface}{Ent}$ +29 $\frac{Begin R.}{45}$
 3 +13 $\frac{Edge R.}{37}$

+94 $\frac{Arc Lt}{12}$
 2 Ent
 48

+68 $\frac{PP}{12}$ +48 $\frac{Ent}{14}$ +48 $\frac{Alley}{Rt}$

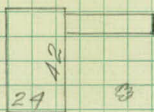
1 +100 $\frac{Ent}{42}$
 +97 $\frac{End Fe}{9}$

+24 $\frac{End 12" Vt}{13}$ +79 $\frac{End Row 1' LP}{46'}$ +89 $\frac{Ent}{50}$
 +100 $\frac{Beg Fe}{25}$ +39 $\frac{Lim to}{5.5}$
 0 +100 $\frac{S. End 12" Vt}{2.5}$ +25 $\frac{Cor Garage}{45.5}$ +22 $\frac{R Tie}{Garage}$

June 14, 1956

5

1-S-F



X Trees

3 X



12" x 29' Mt.

3 Strand Barb

29.2 7.6



+70 Edge BT

+50 Edge Co Rd
B" Bie Top

+49 End R
33
+34 End 18" CM
15

+26 Bay R
8

+24 Bay R
11

Road
6 10

+61 12" E
96

+48 End R
26

+34 End 18" CM
17

+16 3 Brush Pines
29

+73 8" Apple
29

+43 ± 34 BT Ent

+23 PP
11
+41 End 18" CM
12.5

+16 15" CA
13.5

+20 End Hedge
18

+12 10" A
30

Road
8-8

+62 St P
22 +62 End Tree
Rt

+96 8" LP
24 +96 6" LP
34
+84 6" LP
23

+87 14" Maple
24

+38 23" Ribbon
20

+47 SE Corn H
56

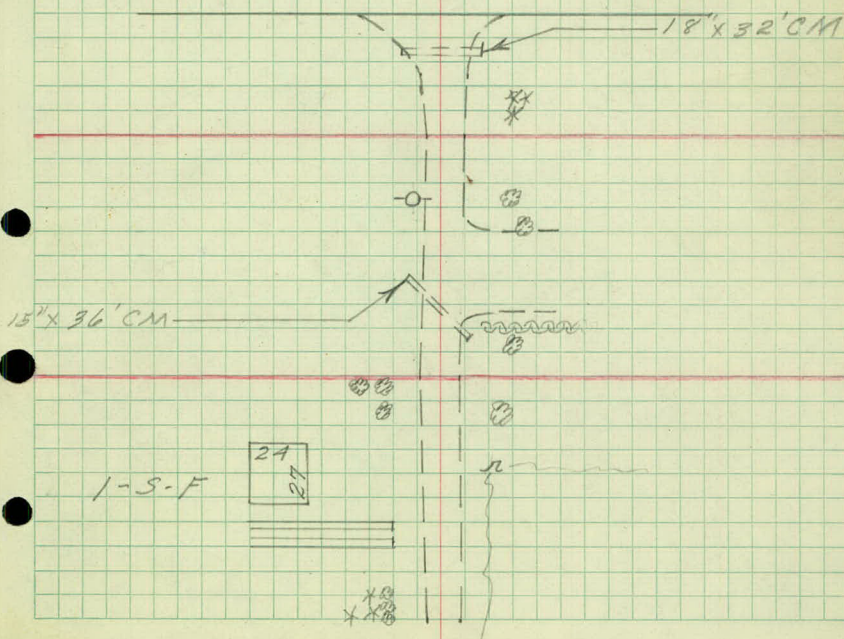
3 Pines 20-40'
4 3 Shrubs 100-110'

+32 23" Ribbon
20

June 14, 1956

6

8



4

+49 $\frac{15''0}{35}$ +77 $\frac{15''0}{33}$
3 +23 $\frac{SW Cor Ho}{80}$

+45 $\frac{12'' Ash}{35}$ +69 $\frac{12''0}{35}$
+28 $\frac{6'' Pop}{35}$

+08 $\frac{SW Cor Ho}{64}$ +11 $\frac{14'' Mulberry}{35}$ +60 $\frac{End Driving Tee}{\$ \rightarrow 24'}$

2 +06 $\frac{Shrub}{35}$ +80 $\frac{14'' BE}{44}$ +93 $\frac{12'' E}{43}$
+65 $\frac{14'' BE}{43}$ +71 $\frac{Shrub}{35}$ +80 $\frac{Shrub}{36}$

+54 $\frac{Shrub}{35}$ +86 $\frac{Begin Driving Tee}{\$ \rightarrow 25'}$
+40 $\frac{6'' BE}{7}$ +40 $\frac{2-6'' BE}{10}$

1 +35 $\frac{8'' BE}{34}$
+97 $\frac{12'' Map}{12}$

+70 $\frac{6''0}{32}$ +82 $\frac{8''0}{34}$ +76 $\frac{12'' Map}{2}$
+47 $\frac{SW Cor Bar}{54}$ +49 $\frac{R.T.C Garage}{54}$

0 +49 $\frac{18'' Maple}{\$}$

0-30 L to -100
£ to 50' R +
9-10" Pines

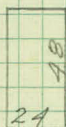
FK
LC
RG

Junction

Ave.
June 15, 1956

7

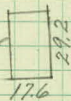
1-S-F



2-S-F



2-S-F Garage



X X X
X X X
X X
X

5 100 End Tree Count

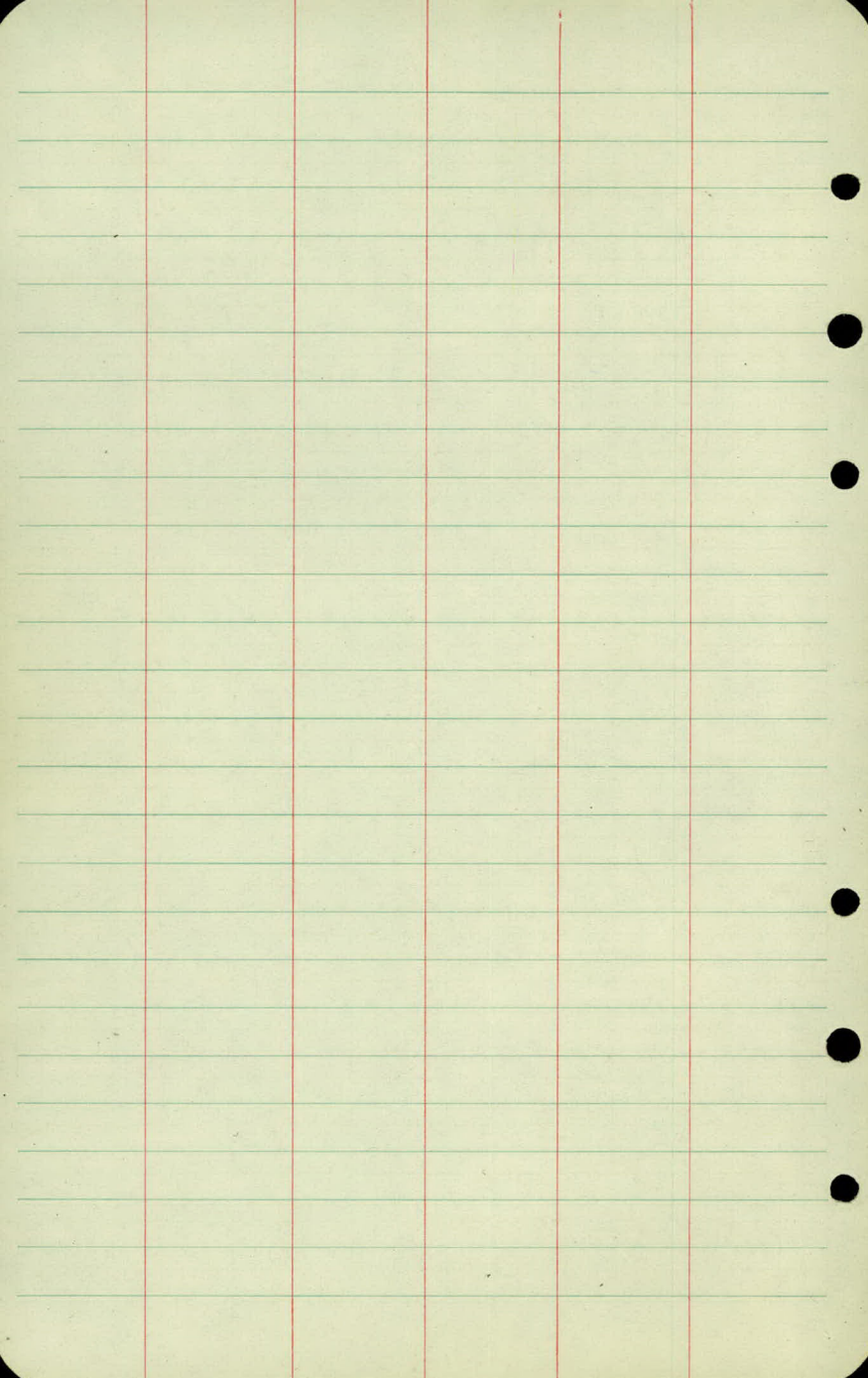
(A) Begin Trees
+32 95 - 60
Iron in Cone
+09 30.30
4 102 60
36

June 15, 1956

8

14 June

67



FK
LC
RG

June 15, 1956
Fly Cloudy 80°

9

Bench Levels

Sta	+ BM	π	-	Elev
	8.16	926.48		918.32

Drawer 8
Book 11A
Page 11

BM			+0.22	926.70
----	--	--	-------	--------

TP	0.44	913.22	13.70	912.78
----	------	--------	-------	--------

"	0.87	900.87	13.22	900.00
---	------	--------	-------	--------

"	0.90	888.29	13.48	887.39
---	------	--------	-------	--------

"	0.53	875.30	13.52	874.77
---	------	--------	-------	--------

"	11.69	883.30	3.69	871.61
---	-------	--------	------	--------

Rock

BM			9.03	874.27
----	--	--	------	--------

874.27

TP	13.40	896.32	0.38	882.92
----	-------	--------	------	--------

"	11.16	906.55	0.93	895.39
---	-------	--------	------	--------

Post

BM			0.63	905.92
----	--	--	------	--------

TP	12.42	911.63	7.34	899.21
----	-------	--------	------	--------

"	13.13	924.26	0.50	911.13
---	-------	--------	------	--------

"	6.64	930.55	0.35	923.91
---	------	--------	------	--------

BM	0.85	927.70	3.70	926.85
----	------	--------	------	--------

BM			9.22	918.48
----	--	--	------	--------

918.32

BM	4.77	931.47		926.70
----	------	--------	--	--------

TP	0.91	919.48	12.90	918.57
----	------	--------	-------	--------

FR $\frac{1}{2}$
LC Rd
RG π

June 15, 1956

10

Side Walk Curb 5.3' W. of Club House

3.5' S. of Edge of door

Top Hyd at Clubhouse Near S Edge of Porch

Wide Space in Walk

Top E. End 18" x 32' CM Day Rd at Co Rd "B"

High point Sandstone Mont With + 660' E of Club Hs

Top Hyd at Club house

Side Walk Curb

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

919.48

TP	2.43	908.63	13.28	906.20
----	------	--------	-------	--------

BM			2.70	903.93 (905.93)
----	--	--	------	-----------------

TP			13.28	895.35
----	--	--	-------	--------

June 13, 1956

11

High Point Sandstone Mont. With + 660' E of ^{Club} Ho

Top End Fe Post

Sta	+	π	-	Elev
TP	4.10	899.45		895.35

0-30 = ∇ Junction Ave.

0+00

+10

+20

+24

+50

1

Sta + π - Elev

899.45

1+30

+50

✓

2

+50

June 15, 1956 13

Lt

Rt

83.3	84.3	85.8	89.2	91.1	95.2	95.5	95.5	95.1
16.2	15.2	13.7	10.3	8.4	7.3	4.0	4.0	4.4
50	37	23	10		10	19	31	50

84.8	85.8	89.1	90.4	94.1	94.5	94.7	94.9	95.3	94.8
14.7	13.7	10.4	9.1	5.4	5.0	4.8	4.6	4.2	4.7
45	28	19	10	3		12	28	50	75

83.7
15.8
50

94.4
5.1
100
\$ 11.00

86.6	87.7	88.3	92.1	93.6	93.5	93.1	92.0	91.7
12.9	11.8	11.2	7.4	5.9	6.0	6.4	7.5	7.8
50	40	29	20	12		14	31	50

✓

88.0	88.5	91.9	92.2	92.1	91.9	91.6	92.2	90.7	89.8
11.5	11.0	7.6	7.3	7.4	7.6	7.9	7.3	8.8	9.7
39	26	15	8		6	17	23	36	50

87.4
12.1
47

86.2
13.3
50

✓

Sta + π - Elev

899.45

2197

✓

TP 0.68 892.11 8.02 891.43

3

+05

✓

+21 $\pm$ St Rt + Possible Gas Line East

June 15, 1956

14

14

14

88.9	89.8	90.3	90.4	90.1	89.3	89.5	92.3
10.6	9.7	9.2	9.1	9.4	10.2	10.0	7.2
27	16	8		10	13	19	26

87.8
11.7
40

85.3
14.2
50

87.9
9.6
50

90.7
8.8
40

Nail in Arc Lt Pole

90.2
- 9

88.6	89.2	90.0	90.0	90.0	89.8	89.5	88.9	88.3	87.2
3.5	2.9	2.1	2.1	2.1	2.3	2.6	3.2	3.8	4.9
27	17	12	7		7	13	16	27	50

87.5
4.6
38

85.7
6.4
50

✓

85.1	86.3	88.0	89.0	89.3	88.7	87.9	86.9	86.1
7.0	5.8	4.1	3.1	2.8	3.4	4.2	5.2	6.0
50	31	20	13		25	50	78	100

86.3
5.8
228

85.4
6.7
200

85.1
7.0
150

✓

Sta + π - Elev

892.11

3+33

+50

+85

TP 1.46 885.91 7.66 884.45

4

FX
LC
RG
JC

11

12

June 15, 1956
June 22, 1956

15

RT

84.8	85.4	86.4	88.1	88.6	88.5	88.0	87.4	86.9
7.3	6.7	5.7	4.0	3.5	3.6	4.1	4.7	5.2
50	32	22	13		9	24	38	50

✓

84.8	84.8	85.2	86.8	87.2	87.3	86.9	86.4	86.9	85.3	83.9
7.3	7.3	6.9	5.3	4.9	4.8	5.2	5.7	5.2	6.8	8.2
50	37	23	13	4		7	14	17	27	50

84.8
7.3

Ho
55

✓

84.79	84.65
7.32	7.46
50	19
Ent	End Conc Ent

Book
at
Ent

83.8	83.5	83.8	83.6	83.7	83.5	83.5	81.6	80.1
2.1	2.4	2.1	2.3	2.2	2.4	2.4	4.3	5.8
26	16	12	9		7	10	14	17

84.1	84.3
1.8	1.6
39	50

78.9	79.0	80.5
7.0	6.9	5.4
50	46	24

✓

Sta + π - Elev

885.91

4 + 32

+ 38

+ 50

✓

5

June 22, 1956

16

Lt

Rt

81.63

4.28

20

± Ribbon

81.51

4.40

20

± Ribbon

81.6

81.0

80.8

80.9

81.0

80.6

80.6

77.1

76.8

43

4.9

5.1

5.0

4.9

5.3

5.3

8.8

9.1

41

23

10

7

8

10

18

32

82.0

82.1

3.9

3.8

50

56

40

78.6

78.1

78.7

78.6

78.9

78.6

78.5

76.8

76.5

7.3

7.8

7.2

7.3

7.0

7.3

7.4

9.1

9.4

24

14

9

7

8

10

15

25

79.2

79.4

6.7

6.5

38

50

76.7

9.2

50

76.6

9.3

43

Sta + π - E/ev

885,91

5+16

+41

+50

6

✓

+25

June 22, 1956

17

Lt

Rt

76.33

9.58

13.5

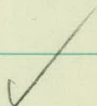
FL 15"CM

75.46

10.45

12.5

FL 15"X36"CM



76.4	76.1	76.2	76.9	76.6	77.0	76.8	76.7	76.9	78.06
9.5	9.8	9.7	9.0	9.3	8.9	9.1	9.2	9.0	7.85
50	29	15	9	7		10	24	37	Garage floor
							in	Foot	

73.5	74.9	75.4	75.3	75.5	75.4	75.4	76.5	77.2
12.4	11.0	10.5	10.6	10.4	10.5	10.5	9.4	8.7
16	12	9	6		9	13	21	30

73.0	72.9	72.8					79.2
12.9	13.0	13.1					6.7
29	42	56					50



71.8	71.9	72.8	74.5	74.5	74.9	74.8	75.3	76.2	76.9
14.1	14.0	13.1	11.4	11.4	11.0	11.1	10.6	9.7	9.0
50	41	23	12	7		11	20	35	50



Sta + π - Elev

885.91

6+34 $\angle$ Ditch

✓

+43 Shoulder "B"

+50 Edge B.T.

+60 $\angle$ C. Rd B

BM

11.66 874.25 874.27

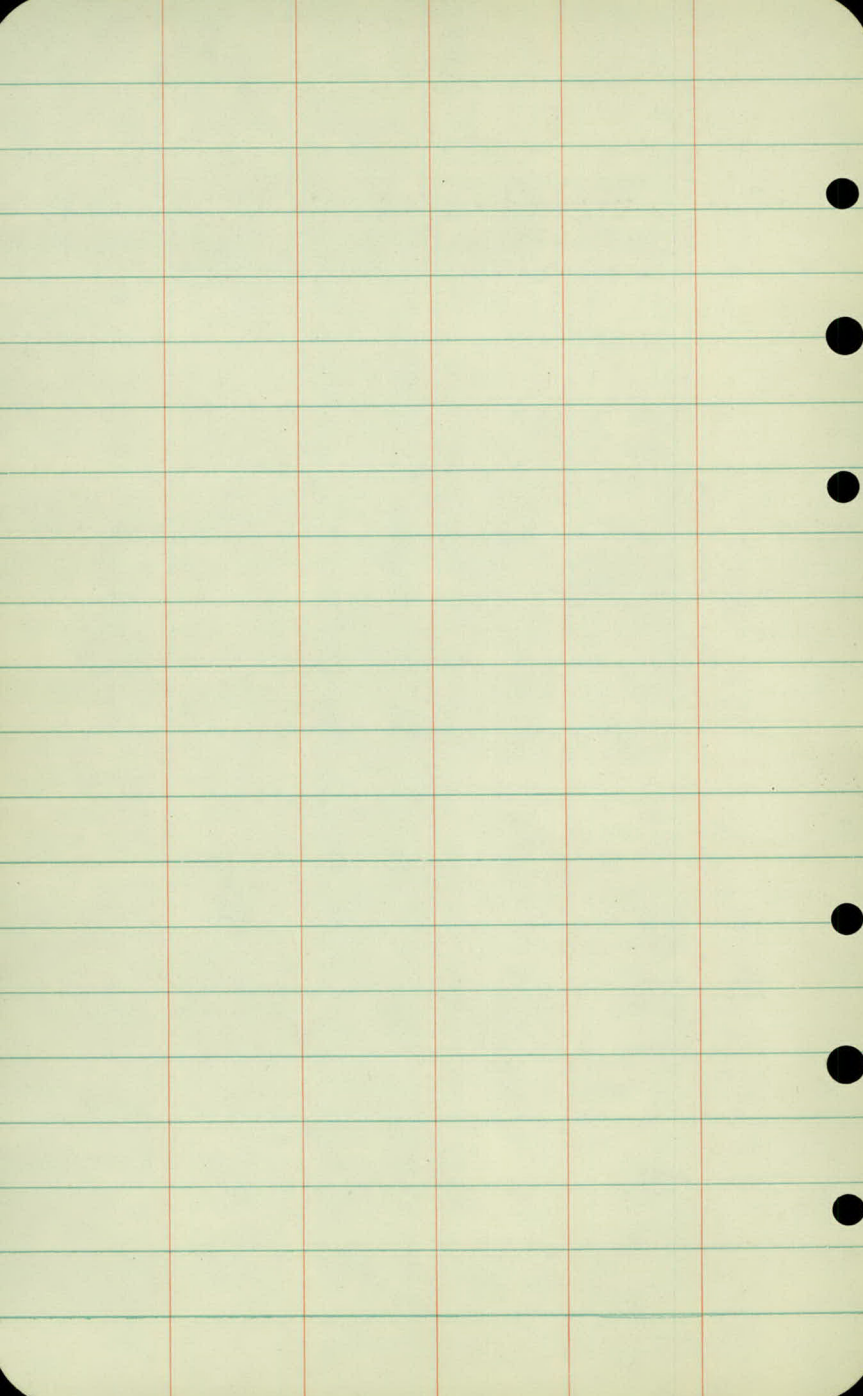
June 22, 1956

18

LH 12' x 32'		RH					
73.11	71.75	74.2	74.9	74.5	72.71	73.5	73.5
12.8	14.16	11.7	11.0	11.4	13.20	12.4	12.4
25	15	12		13	17	18	32
FL 18" x 32' CM				FL 18" x 32' CM			
72.4	72.1					73.8	
13.5	13.8					12.1	
43	50					50	
73.5	73.9	74.0	74.8	74.4	74.6	74.6	74.7
12.4	12.0	11.9	11.1	11.5	11.3	11.3	11.2
50	34	21		19	29	41	50
73.6	74.1	74.3	74.5	74.6	74.7	74.9	75.0
12.3	11.8	11.6	11.4	11.3	11.2	11.0	10.9
50	25	12		12	26	36	50
73.3	74.0	74.3	74.5	74.8	75.1	75.6	
12.6	11.9	11.6	11.4	11.1	10.8	10.3	
100	50	25		25	45	90	

Top E. End 18" x 32' CM X-Ray Rd at Co Rd B





June 22, 1954

19

Junction Ave

X-Sections

Sta	+	x	-	Elev
BM	0.50	906.43		905.93

T.P.	5.75	900.06	12.12	894.31
------	------	--------	-------	--------

0-50

0-25

0+00

+25

+50

13.14	911.16	2.04	898.02
-------	--------	------	--------

1

BM		5.23	905.93	905.93
----	--	------	--------	--------

LT

RT

High point at Sandstone Mount With + 660' E of Ho ^{Close}

93.1	93.4	93.9	95.4	96.7	98.0	99.1	
7.0	4.7	6.2	4.7	3.4	2.1	1.0	✓
30	29	21	10		Tree Line	12	

91.8	91.9	92.7	93.8	94.5	95.4	96.7	97.4	97.6
8.3	8.2	7.4	6.3	5.6	4.7	3.4	2.7	2.5
30	29	18	7		7	18	30	50

90.5	91.4	91.6	91.8	92.2	92.9	93.5	
9.7	8.7	8.5	8.3	7.9	7.2	6.6	✓
30	20	10		7	27	50	

92.3	92.3	92.3	92.1	92.2	91.9	92.4	
7.8	7.8	7.8	8.0	7.9	8.2	7.7	✓
30	22	9		13	28	50	

96.7	96.3	94.9	94.2	94.0	93.8	93.9	93.7	✓
3.4	3.8	5.2	5.9	6.1	6.3	6.2	6.4	
50	30	23	12		11	33	50	

01.6	01.8	01.1	01.3	01.8	02.0	02.7	03.2	✓
9.6	9.4	10.1	9.9	9.4	9.2	8.5	8.0	
50	34	24	10		8	21	50	

Sta + π - Elev

1 911.16

+40

+80

2

+50

✓

+67

June 22, 1936 21

Lt

Rt

6.5	5.8	4.5	3.8	3.4	2.6	2.9	3.2
50	35	20		9	25	42	50
04.7	05.4	06.6	07.4	07.8	08.6	08.3	08.0

0.9	1.3	1.9	2.3	2.4	2.5	3.1	3.9	4.4
50	32	20	9		12	30	43	50
10.3	09.9	09.3	08.9	08.8	08.7	08.1	07.3	06.8

0.7	0.4	0.6	1.0	1.8	1.9	2.6	5.0
50	42	25	10		15	27	50
10.5	10.8	10.6	10.2	09.8	09.3	08.6	06.2

2.2	2.4	2.0	2.0	2.4	4.5
21	7	5		23	50
09.0	08.8	09.2	09.2	08.8	06.7

1.5	1.2	0.9
32	50	SECH
09.7	10.0	10.3

3.1	4.1	4.0	4.0	2.8	3.1	4.4	5.2	5.8
32	25	15	3		15	23	42	50
08.0	08.1	07.1	07.2	07.2	08.1	06.8	06.0	05.4

Sta + x - Elev

911.16

2 + 75

✓

3

✓

TP 5.59 910.45 6.30 904.86

+50

4

June 22, 1954

22

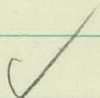
L+

R+

07.0	06.2	06.4	06.3	06.0	05.8	04.8	04.6
4.2	5.0	4.8	4.9	5.2	5.4	6.4	6.6
32	24	11		11	27	46	50

→ 07.0
4.2
42

06.8
1.4
50

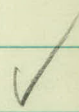


04.3	04.0	04.2	04.2	03.8	03.6	03.2	02.4
6.9	7.2	7.0	7.0	7.4	7.6	8.0	8.8
34	24	20	10		12	31	50

→ 04.2
7.0
50



02.7	02.4	02.1	01.2	00.6	00.3	00.7	00.9
7.8	8.1	8.4	9.3	9.9	10.2	9.8	9.6
40	50	35	16		19	38	50



97.6	99.3	98.3	98.9	99.2	00.0	00.8	01.3
12.9	11.2	12.2	11.6	11.3	10.5	9.7	9.2
A2	31	26	10		20	37	50



Drainage

Sta + x - Elev

910.45

4+50

5

BM

4.53 905.92 905.93

June 22, 1956 23

Lt

Rt

97.8	00.9	00.6	01.4	02.5	03.2	03.8
12.7	9.6	9.9	9.1	8.0	7.3	6.7
36	29	17		18	36	50

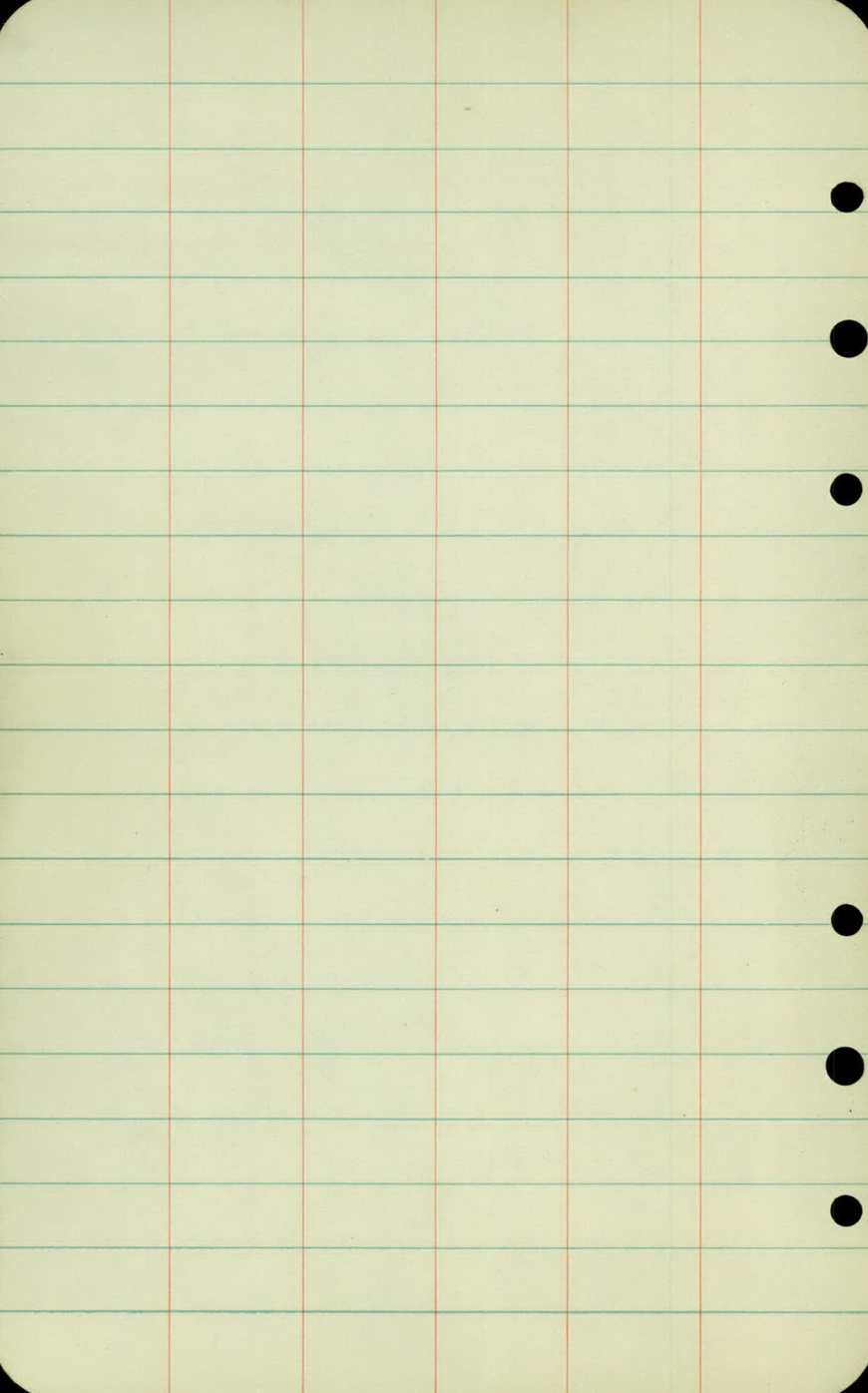
✓

99.5	02.3	03.4	04.4	05.8	07.0	07.9
11.0	8.2	7.1	6.1	4.7	3.5	2.6
35	29	13		17	34	50

✓

Top Sandstone Went with + 060' Foot Club Ho - High point

✓



1
Keller Golf Course

Tee off Survey

2 pages

April 12, 1955

N 1/4 Cor
Sec 16

NE Cor
Sec 16

25'

25'

12+26.82

8+13.97

6+39.55

4+79.23

2+184.60

13 14.70

13 17.26 Windy

13 19.82

18" Elm

76.62

Boat

Spike
Green #17

Center of NE 1/4 Sec 16

112.22
Roadway

26 29.40

18" Oak

41.51

64.06

26 39.64

Eng 1.58 st.

Ch. Sec 16

25'

20'

26 42.85

9000
K.A.

E 1/4 Cor
Sec 16

FK
AM
LC
MMc

April 12, 1955
" 13, 1955

2

NE Cor
Sec 16

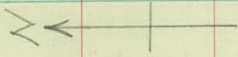
15' 0+00 = 0+00.09

Sec 16

1321.68

89° 52'

2642.85



2643.36
1983.35

2642.85

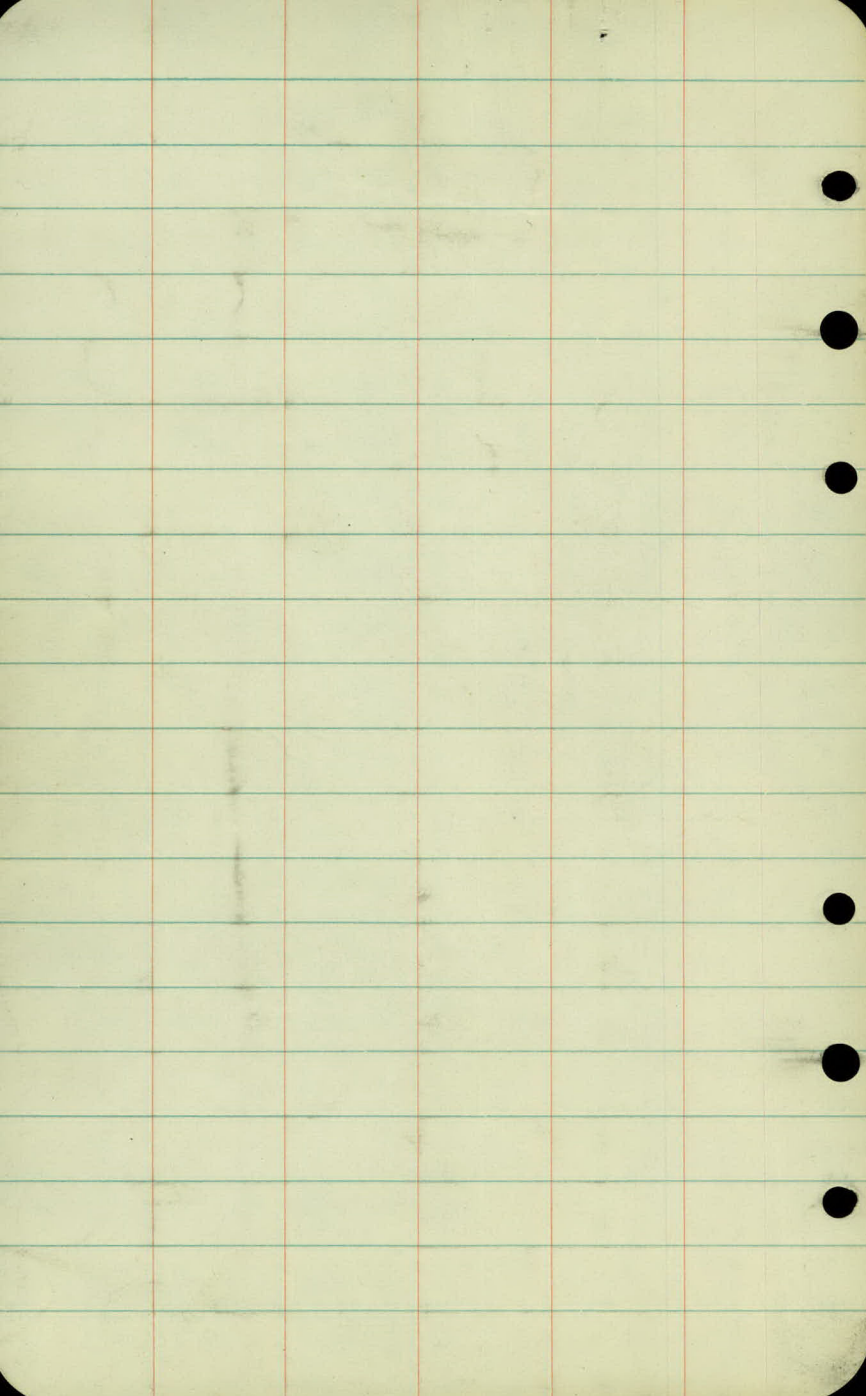
N 1/4 Cor Sec 16

16' 15'

2629.40

Ch sec 16

1313.38



Jan 14, 1959

1

Keller Golf Course

Topography

by

Stadia

9 pages

OBJECT

925.02

AZI

STADIA

X at Point ^B on $\frac{1}{4}$ Line1010 ft. South of N $\frac{1}{4}$ Cor Sec 16-22-29to A N $\frac{1}{4}$ Cor Sec 16-22-29 0°00' 10.1to C WNW $\frac{1}{4}$ Cor " 180°00' 3.05

Sand Trap 306° .18

E Road 251° .28

Ct. Green #7 234°20' 1.10

S. End Tee 286°20' 2.28

N End Tee 313°20' 2.53

E Road 316°45' 2.63

Sand Trap 282°30' 3.90

" " 290°20' 5.15

E Road 252° - 3.80

Sand Trap 224°20' 7.26

Tee 226°40' 7.75

stop in Tee 225°20' 8.20

FX
RG
KDIST.
JH

VERT.
ANGLE

ROD
EQUIV.

Jan 14, 1959

ROD

DIFF.

ELEV.

2

5.15

919.87

+1.35

+0.8

925.82

1010'

18.32

906.70

18'

5.3

919.7

28'

5.5

919.5

110'

7.5

917.5

228'

3.5

921.5

253'

3.9

921.1

163'

5.7

919.3

340'

3.1

921.9

515'

4.9

920.1

380'

8.5

916.5

726'

13.3

911.7

775'

5.2

919.8

~~820~~
~~8.20~~

3.5

921.5

OBJECT

K 925.02
AZI

STADIA

ctr Green

216°10' 9.30

Sand Trap

216°10' 9.80

" "

212°43' 10.25

" "

208°35' 9.4

" "

211°55' 2.8

" "

77°35' 1.86

" "

46°40' 2.29

" "

58°40' 3.3

ctr Green #1

61°20' 6.9

Tee #2

81°45' 6.4

Tee

97°20' 6.35

DIST.	VERT. ANGLE	ROD EQUIV.	Jan 14, 1959 ROD	DIFF.	3 ELEV.
930'			6.7		918.3 -
980'			8.5		916.5 -
1025'			9.8		915.2 -
940'			20.2		904.8 -
780'			18.1		906.9 -
186'			5.1		919.9 -
229'			5.1		919.9 -
330'			2.8		922.2 ✓
690			6.0		919.0 -
640			3.6		921.4 -
635 6.35			9.8		915.2 ✓

OBJECT

H. 1, 931.27 ✓

AZ.

STADIA

AA + N/A Cor sec 16-22-29
to Ct. Sec 16 180°-

BM Hyd at club Ho

Pt. B 1010' so of N/A Cor 180°00

Tee	276°45'	.52
"		
Same	181°10'	.23
Sand Trap	178°45'	1.10
Green #2	204°-	1.47
Sand Trap ✓	199°05'	2.21
Tee #10	199°50'	2.87
" #10	204°30'	3.20
Sand Trap	201°25'	3.8
Green #18	208°45'	3.87
Sand Trap	219°55'	4.05
" "	208°45'	5.07
Green #9	214°20'	5.32
Practice Green	225°50'	4.18
" "		
same	239°05'	2.84

DIST.	VERT. ANGLE	ROD EQUIV.	Jan 14, 1958 ROD DIFF.	4 ELEV.
			HI = 5.45	925.82
			4.77	926.50
			11.35	919.87
				919.92
52'			4.2	927.1-
23'			3.9	927.4-
110'			6.5	924.8-
147'			4.7	926.6-
221'			5.8	925.5-
287'			3.4	927.9-
320'			3.0	928.3-
380'			4.9	926.9-
387'			2.5	928.8-
405'			2.9	928.9-
507'			3.4	927.9-
532'			1.7	929.6-
418'			0.9	930.9-
284'			1.3	930.0-

OBJECT	π 931.27	AZ.	STADIA
--------	--------------	-----	--------

Sand Trap		225°15'	1.82
-----------	--	---------	------

" "		235°35'	
-----	--	---------	--

" "		232°30'	
-----	--	---------	--

Practice Tee		93°45'	6.85
--------------	--	--------	------

#1 Step Tee		116°10'	
-------------	--	---------	--

925.12
 H.I. = 925.03

π at Point B on $\frac{1}{4}$ Line

1010' South of $N\frac{1}{4}$ Cor. Sec 16

to $N\frac{1}{4}$ Cor. A		0°00'	10.1
----------------------------	--	-------	------

Δ Pt D		261°01½'	6.58
-----------------	--	----------	------

Jan 14, 1959

5

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
182					
182			3.8		927.5-
160			4.0		927.3-
123			5.6		925.7-
(685')	-1°40'	-19.9	3.0	-22.9	908.4-
52			6.6		924.7-
					919.87
			H.I. = 5.25		(919.78)
1010'					(925.82)
658'			0.40		924.72 924.63

OBJECT

AZ.

STADIA

T.P.

A at $\frac{1}{4}$ Point Ct. B 305' N. of $\frac{1}{4}$ Point 0°00' 3.05

Cor Nursery

165°45' 1.71

" "

158°30' 1

" "

169°40' 2.50

" "

179°- 1.83

Edge Tee

178°- 2.90

" "

182°30' 3.43

SE. Cor Concession Bldg.

196°21' 3.72

N.E. " " "

197°30' 3.62

N.W. " " "

199°40' 3.64

DIST.	VERT. ANGLE	ROD EQUIV.	Jan 14, 1959 ROD	DIFF.	ELEV. 6
			3.97		908.09
			5.40		906.66
305	+1°50'	19.76	2.0	+7.76	919.87 19.82
171	-1°46'	5.3	^{11.8} 11.8	-17.1?	895.0+
100	-1°46'	3.1	11.3	-14.4	897.7+
250	-1°46'	7.7	11.4	-19.1	893.0-
183	-1°46'	5.6	10.8	-16.4	895.7
290	-1°46'	8.9	6.9	-15.8	896.3-
343	-1°46'	10.6	3.3	-13.9	898.2-
372			14.2	14.2	897.9-
362			14.3	14.3	897.8-
364			14.2	14.2	897.9-

Hexagon Bldg

12" on a Side

OBJECT

H.I. 919.8
H.I. 929.95

AZ.

STADIA

X at Δ Pt DTo Pt B 1010'S of Δ for $81^{\circ}01\frac{1}{2}'$ 6.57

Green 3

 $217^{\circ}30'$

Tee 4

 $217^{\circ}15'$

"

 $213^{\circ}40'$

Green 4

 $184^{\circ}25'$

Tee 3

 $15^{\circ}50'$

"

3

 $15^{\circ}50'$

NE Cor Tool shed

 $4^{\circ}45'$

SE " " "

 $3^{\circ}35'$

SW " " "

 $0^{\circ}50'$

New Well 55'S. and on Line with

West Edge of Tool shed

Wall for Check

 $319^{\circ}40'$ $30^{\circ}12'$

FK
RG
XP
JH DIST.

VERT.
ANGLE

ROD
EQUIV.

Jan 20, 1959

ROD

DIFF.

ELEV.

7

924.72

H/5.23

924.63

657

6.57

10.05

919.87

919.82

919.90

482

485' -4°46' 39.9 13.0 -52.9 877.1-

635' -2°50' 31.4 6.0 -37.4 892.6-

635' -2°50' 31.4 6.0 37.4 892.6-

365' -1°20' 8.5 13.0 21.5 908.5-

1040' - 17.8 17.8 912.2-

1120

11.20

17.9 17.9 912.1-

49.4

888' -2°04' 40.0 9.36 880.6-

820' -2°24' 34.3 10.0 60.7x41 885.7-

44.3

836' -2°28' 35.9 11.0 46.9 883.1-

888

4

? 419

23.7

26.7

4.19 -3°15' 30 ? 903.3-

419

OBJECT

H.I. 911.87

AZ.

STADIA

X at point C

to Apt. A

0°00'

to Δ Pt E

212°01'

Green #17

115°40'

Tee #11

74°40'

~~green~~ #11
Tee #11

91°35'

Green #10

95°10'

Tee #18

103°50'

Green #11

117°—

Ctr. of Bldg ^{octagon}
7'sides120°50' (East Edge)
30° W. E. PROP line

Green

123°05'

Tee #12

124°25'

Tee #17

118°20'

" "

117°10'

Tee #15

139°45'

Green 14

148°05'

Green #15

190°35'

~~Green~~
Green

157°00'

"

167°20'

Tee step #16

180°35'

BLVD	DIFF.	ROD	Jan 29 1959 ROD	VERT.	8 DIST.
			41.5.17		906.7 ✓
1195					✓
11.95			4.83	4.83	907.04 ✓
100			7.6	7.6	909.3 ✓
690'			3.55		908.3 ✓
750			10.8		901.1 ✓
640 - 0°40'	-7.4		10.6	-18.0	893.9 ✓
560			12.4	12.4	899.5 ✓
1440 - 0°35'	-14.7		7.2	-21.9	890.0 ✓
1440 - 0°25'	-10.5		6.2	16.7	895.2 ✓
1360 - 0°25'	-9.9		7.0	16.9	895.0 ✓
1520 - 0°25'	-11.1		6.2	17.3	894.6 ✓
1260 - 0°35'	-12.9		7.6	20.5	891.4 ✓
1160 - 0°35'	-11.8		8.0	19.8	892.1 ✓
800	-		6.6	6.6	905.3 ✓
860	-		8.3	8.3	903.6 ✓
530	-		15.6	15.6	896.3 ✓
312 - 1°35'	-8.6		11.55	20.2	891.7 ✓
312 - 1°35'	-8.6		11.70	20.3	891.6 ✓
308' FK 288	-12.9 -24.6		19.9 7.0	892.0 31.6	880.3 ✓
	-1°45'				

#1 5.1

OBJECT

AZ.

STADIA

A at ΔPHE H/ 912.14[✓]to $\Delta PHEC$

32°01'

TEE

244°30'

Green ^{#6} ~~5~~

226°15'

TEE #7

110°30'

TEE ^{#6} ~~5~~

243°10'

" ⁶

247°20'

Green ^{#5} 4

255°40'

Tee 14

57°30'

~~tee?~~
green

250°00'

Shelter

OCTAGON
7'D

BLDG

NE COR

255°20'

NE COR

BLDG

16x23

252°07'

SE COR BLDG

AZ.

251°13½"

Tee

95°10'

green

133°35'

~~DECOR~~
AZ

252°24½"

mont

114°51'

DIST	VERT	ROD	Jan 20, 1959		ELEV
	ANGLE	EQUIV	ROD	DIFF	
THIS IS ALSO #4, & #14 TEE					907.04
1205			5.40		906.7
280	-1°52'	-9.1	8.0	-17.1	895.0
345	-3°33'	-21.3	5.0	-26.3	885.8
79			4.9		907.2
745	-2°36'	-33.7	5.0	-38.7	873.4
750	-2°36'	-33.9	3.6	-37.5	874.6
712	-2°07'	-26.2	5.0	-31.2	880.9
45			4.8	-4.8	907.3
833	-1°49'	-26.4	6.0	-32.4	879.7
					12.7
					12.75
855			25.45	25.45	886.6
1138	-1°48'	-35.7	13.0	-48.7	863.4
1142					
506			15.8	15.8	896.3
117			12.7	12.7	899.4
1133					
700.0			5.9	5.9	906.2

object H.I. 931.02
AZ Stadia

π at ΔA

to Ctr Sect 16 180° -

BM Hyd at Club House

GE $94^\circ 35'$
Ground at
E end Clubhouse
Ground at
S end Clubhouse

GE 233°

GE $221^\circ 45'$

GE $219^\circ 40'$

GE $98^\circ 30'$

GE $105^\circ 10'$

GE $115^\circ 10'$

GE $127^\circ 30'$

FK
RG
JH
KJ

Dist	Vert. Angle	Rod Equiv.	Jan 28, 1959 Rod	Diff.	¹⁰ Elev
			4.52		926.50
920'	-1°00'	-16.0	6.0	-22.0	09.0.
			1.8		29.2
			1.3		29.7
3805'			1.1		29.9.
418'			0.9		30.1.
632'			3.8		27.2.
1200'			17.8		13.2.
1250'			20.20		10.8.
1065'	-0°48'	-14.9	6.0	-20.9	10.1.
1040'	-0°48'	-14.6	5.0	-19.6	11.4.

H.I. 929.97
Object A₂ Stadia

A₂+AD

to B 81°01½'

to Rd 80°40'

to Rd 63°10'

to Rd 60°00'

to Rd 80°20'

to Rd 133°50'

'Y' in Rd 167°40'

GE 18°25'

GE 25°00'

GE 24°40'

GE 24°40'

GE 24°50'

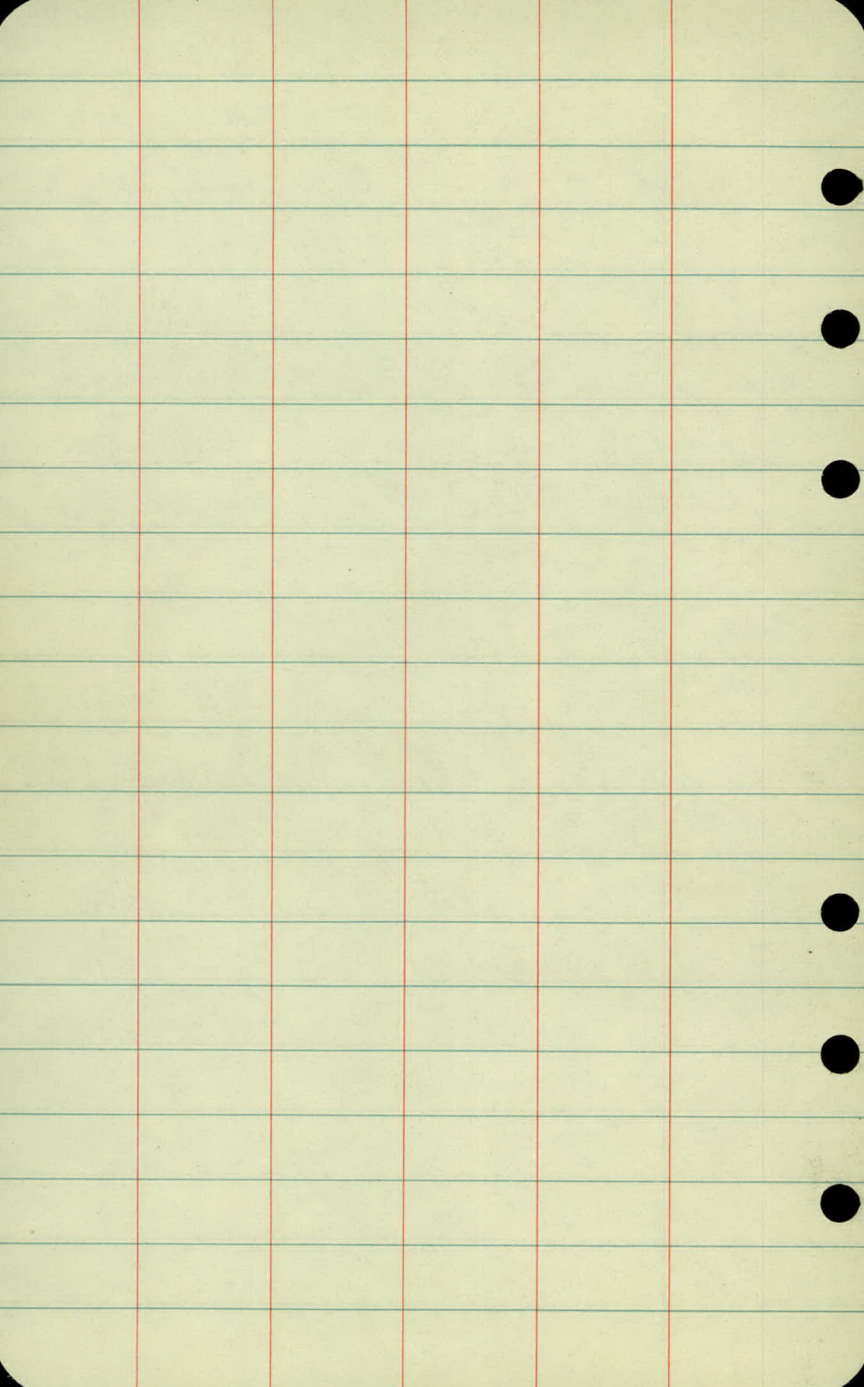
GE 166°20'

Dist	Vert Angle	Rod Equiv	Rod	Diff	" Elev
			5.25		924.72
660'			10.1		19.9
620			10.4		19.6
580'			11.1		18.9
450'			9.7		20.3
319'			12.2		17.8
265'	-0°52'	-4.0	10.0	-14.0	16.0
280'			7.2		22.8
85'			4.3		25.7
206'			13.5		16.5
330'			9.9		20.1
436'			8.8		21.2
578'			5.4		24.6
137'			5.2		24.8

Object	Az	Stadia
"Y" in Rd	95°45'	
£ Rd	101°40'	
£ Rd	107°25'	
£ Rd	108°10'	
£ Rd	109°55'	
£ Rd	113°25'	
£ Rd	115°40'	

£ Fairway	2°20'	
£ Fairway	349°30'	
"	323°00'	
"	282°15'	
"	246°05'	
"	223°10'	

Dist	ert	Rod			12
Angle	Equiv.	Rod	Diff	Elev	
670'		12.3			17.7.
800'	-1°05'	-15.1	8.0	-23.1	906.9.
1232'	-1°12'	-25.7	6.0	-31.7	898.3.
1510'	-1°08'	-29.9	9.0	-38.9	91.1.
1745'	-1°10'	-35.6	9.0	-44.6	85.4.
1950'	-1°02'	-35.1	6.0	-41.1	88.9.
2120'	-1°00'	-36.9	6.0	-42.9	87.1.
520'	-2°05'	-18.9	6.0	-24.9	905.1.
408'	-2°41'	-19.1	5.0	-24.1	05.9.
229'	-5°13'	-20.7	3.0	-23.7	06.3.
²²¹ 230'	-11°33'	-43.4	7.0	-50.4	879.6.
²⁹² 300'	-9°28'	-47.4	6.5	-53.9	76.1.
⁴²⁴ 427'	-6°48'	-49.5	4.1	-53.6	76.4.



RG
WM
RB
WS

Mar. 24, 1962
Cold, Windy

1

Keller Golf Course

Proposed Sewer Alinement

Title	Page
Alinement	" 2 Line
X-Sections	" 3-7 "
Alinement	" 8 Line 2
X-Sections	" 9-10 "

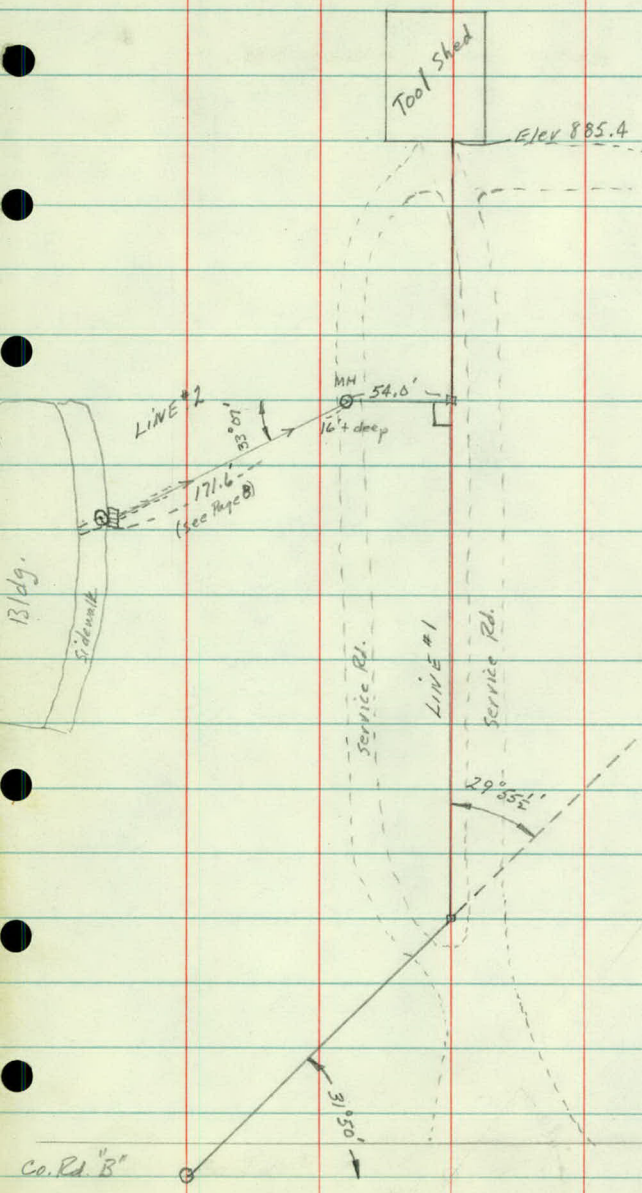
Sta	Pt.	ΔLt	ΔRt	Defl.
-----	-----	-------------	-------------	-------

11+05.0				
---------	--	--	--	--

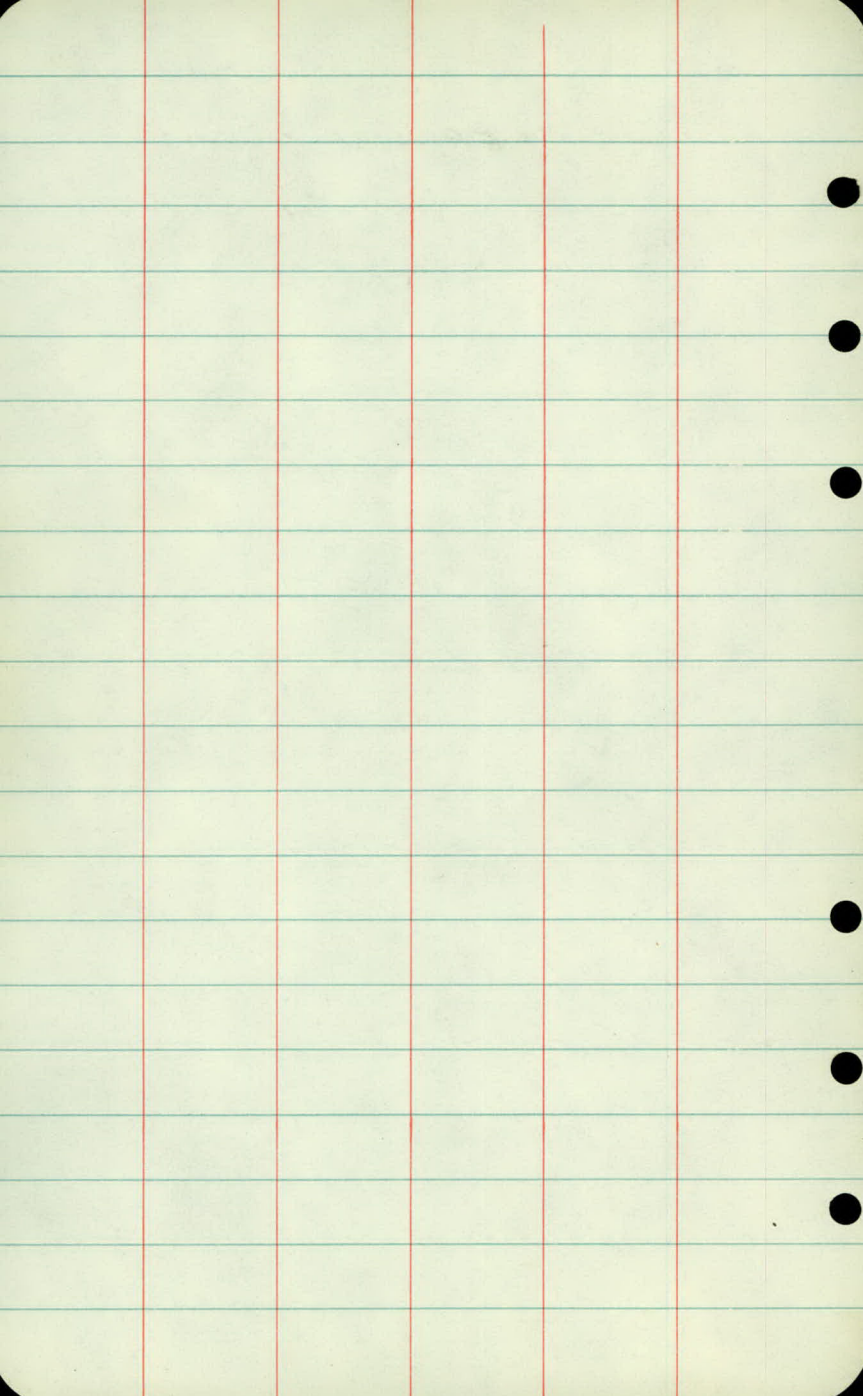
8+45.54	POT	90°00'		
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2+59.79	Prop. M.H.	29°55½'		
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0+00	E.M.H.	31°50'		
------	--------	--------	--	--



T.H.#61



KELLER GOLF COURSE

Proposed Sewer Line

X- Sections

Line #1

Sta	+	π	-	Elev
BM ₁	4.60	875.40		870.80

0+00

+23 S. Edge BT

+40

+50			71.7	
			4.7	

1+00

+50

TP	8.61	883.62	0.39	875.01
----	------	--------	------	--------

RG
WM
RB
WS

Lt

£

March 30, 1962
cloudy 30°

Rt

4

Top Rim M.H. Co. Rd. "B"

69.7	6	68.7	6	70.8	70.8	70.5	68.9	66.1	67.3
5.7	7.9	6.7	4.9	4.6	4.6	4.9	6.5	9.3	8.1
83	54	38	25	16	16	25	41	60	
				BT		BT			

70.3	68.6	66.8	65.2	64.6	70.6	70.6	70.4	69.2	68.3
5.1	6.8	8.6	10.2	5.8	4.9	4.8	5.0	6.2	7.1
65	49	32	17	6		16	28	38	53
					BT	£	BT		

70.0	69.6	69.1	69.6	70.3	69.3	70.3	70.6	70.3	69.5	69.2
5.4	5.8	6.3	5.9	5.1	6.1	5.1	4.8	5.1	5.9	6.2
70	50	37	21	7		11	23	36	54	69
						BT	£	BT		

70.9	70.7	70.8	70.8	70.2	70.8	70.2	70.8	70.1
4.5	4.7	4.6	5.0	5.2	5.0	5.2	5.0	5.3
100	68	38	18		20	42	58	76
						BT	£	BT

71.8	71.6	71.8	71.1	70.8	70.6	70.9	70.7	70.6
3.6	3.8	4.0	4.3	4.6	4.8	4.5	4.7	4.9
100	80	58	33		24	59	75	100
							BT	£ BT

Top stake sta 2+00

Sta

+

π

-

Elev

883.62

1+88

2+00

+09

+25

Ent.

+50

+59.79

POT

Mar. 30, 1962

LT	#				RT	5
	25.2	20.5	20.2	21.4	21.2	20.6
	10.4	11.1	11.4	12.2	12.4	13.0
	100	61	28		23	92
					46	70
						BT
						BT
						Wedge "B"
25.6	25.4	25.8	23.3	24.3	24.6	24.2
8.0	8.2	9.8	11.3	9.8	9.3	9.0
100	91	63	42	15		17
						40
						T.Wall
						B.W
						BT
						BT
						BT
	20.1	28.7	27.3	26.4	27.0	26.4
	3.5	4.9	6.3	7.2	6.6	7.2
	100	76	48	17	T.Wall	B.W
						£
						BT
						BT
						BT
	82.2	82.0	81.6	80.4	79.0	77.1
	1.4	1.6	2.0	3.2	4.6	6.5
	100	89	60	31		29
			T.W.	B.W		BT
						BT
						BT
						BT
	83.6	81.7	82.5	78.5	76.4	76.6
	0.6	1.9	1.1	4.1	6.2	7.0
	85	66	66	32	4	4
	BT	B.W	T.W		T.W	B.W
						</

Sta	+	π	-	Elev
		883.62		
3+00	Typical Section			
+50			8.4	875.2
4+00			7.9	875.7
+50			7.5	876.1
5+00			7.3	876.3
+50			7.1	876.5
6+00			7.0	876.6
+50			6.5	877.1
7+00			6.2	877.4
+50			6.0	877.6
8+00			5.3	878.3
TP +45 ⁵⁴	9.35	888.22	4.75	878.87
9+00			8.8	879.4
+50			8.2	880.0
10+00			6.7	881.5
+50			5.4	882.8
11+00			3.4	884.8
+05			2.87	885.35

Mar 30, 1962

Lt

f

Rt

6

82.0	78.8	75.0	74.7	74.2	74.1	73.8	72.6	73.0	73.1
1.6	4.8	8.6	8.9	9.4	9.5	9.8	11.0	10.6	10.1
52	28	6		21	32	58	63	72	86
				BT	BT			BT	BT
				£				£	£

Ground by stake

Floor of Tool Shed

Sta	+	π	-	Elev
		888.22		
TP	2.82	880.32	10.72	877.50
BM,			9.51	870.81
				870.80

Mar. 30, 1962

7

Top Stake Sta 6+00

Top Rim MH

+29 Bldg

+23 Curb

+90 W. edge BT

2+25.6

$$\begin{array}{r} 70 \\ 44 \\ \hline 118 \end{array}$$

$$\begin{array}{r} \text{stump} \\ +67 \quad 19 \end{array}$$

24" Elm

+46 18

PP Guy Wire

+39 2

+17 PP 9'

+17 End Brush 19

+04 end Brush

Elect. Conc. Junction Box

1+00 0 +95 20

$$\begin{array}{r} 6" \text{ Elm} \\ +58 \quad 28 \end{array}$$

$$\begin{array}{r} 4" \text{ Elm} \\ +14 \quad 37 \end{array} \quad \begin{array}{r} 4" \text{ Elm} \\ +22 \quad 16 \end{array}$$

Tri-6" trees

+89 10

+71 Bag Brush

$$\begin{array}{r} 8' \times 8' \text{ Disposal Tank} \\ +86 \quad 4 \end{array}$$

+61 E. edge S.R. + stone wall (1' high)

+54 MH

0+00 +35 W. Edge S.R. + Stone wall (1' high)

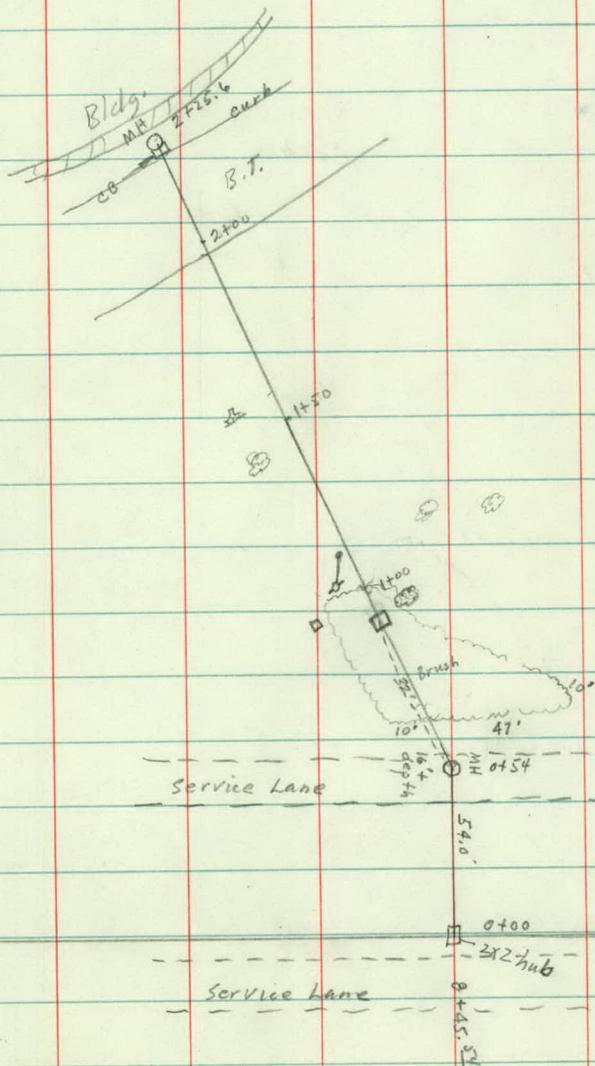
0-08 E. Edge 1ST Service Rd

-23 W. " " " "

Mar. 30, 1962

8

LINE 2



2 1 e

Sta	X-Sections		Line #2		Elev
	+	π	-		
TBM	12.17	889.67			877.50
(Sta 8+45.54 Line #1)					
0+00					
+35	Top Wall + Bot. Wall (B.T.)				
+47			5.5		884.17
+54			5.2		884.47
+61					
TP ₁	12.63	897.95	4.35		885.32
+76					
+86	Top Disposal Tank				
+90			7.4		890.55
1+04			4.02		893.93
TP ₂	11.72	909.18	0.49		897.46
+17			11.5		897.68
+33					
TP ₃	13.69	922.53	0.34		908.84

RG
WM
RB
WS

Mar. 30, 1962

LT

E

RT

9

Top stake sta 6+00 (Line #1)

11.0

10.7

84.6	85.1	84.0	84.7	84.4	83.8	82.6	81.9	81.9
5.1	4.6	5.7	5.0	5.3	5.9	5.5	6.1	5.8
57	57	25	25	4	4	20	20	49
BT	T.W	BT	T.W	T.W	BT	T.W	BT	T.W

E Rd.

MH

85.2	84.6	84.0	83.8	83.4	82.8	81.5	81.1	81.1
4.5	5.1	4.3	4.9	4.3	4.9	5.2	4.6	5.2
50	50	23	23	4	4	33	33	53
T.W	BT	T.W	BT	T.W	BT	T.W	BT	T.W

Top wall & sta 0+61

84.9	85.6	85.5	90.3	89.0	93.2	96.1
13.1	12.4	9.5	7.7	9.0	4.8	1.9
40	39	23	19		28	48
BT	T.W					

Junction Box

Nail in ground.

896.0	901.1	904.5	909.2	912.2	912.2
13.2	8.1	4.7	0.0	+3.0	+3.0
40	13	18	34	69	

nail in ground

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

922.53

+54

+68

11.2

911.33

+79

+94

2+11

3.4

919.13
Top curb

+28

4.13

918.40

+25

6.11

916.42

+29

6.0 ±

T.P.₃

0.42

909.26

13.69

908.84

908.84

T.P.₂

0.29

899.76

11.79

897.47

897.46

T.P.₁

4.42

889.75

12.43

885.33

885.32

TBM

12.27

877.48

877.50

Mar 30, 1962

Lt.

E

Rt

10

902.1	5.0	08.3	11.5	12.1	14.1
20.4	12.5	14.2	11.0	9.8	8.4
32	17		11	30	48

08.4	11.1	13.5	15.3	16.9	19.8	19.3	19.9
14.1	11.4	9.0	7.2	5.6	2.7	3.2	2.6
43	24	12		11	28	28	49
					T.W.	BT	LRd

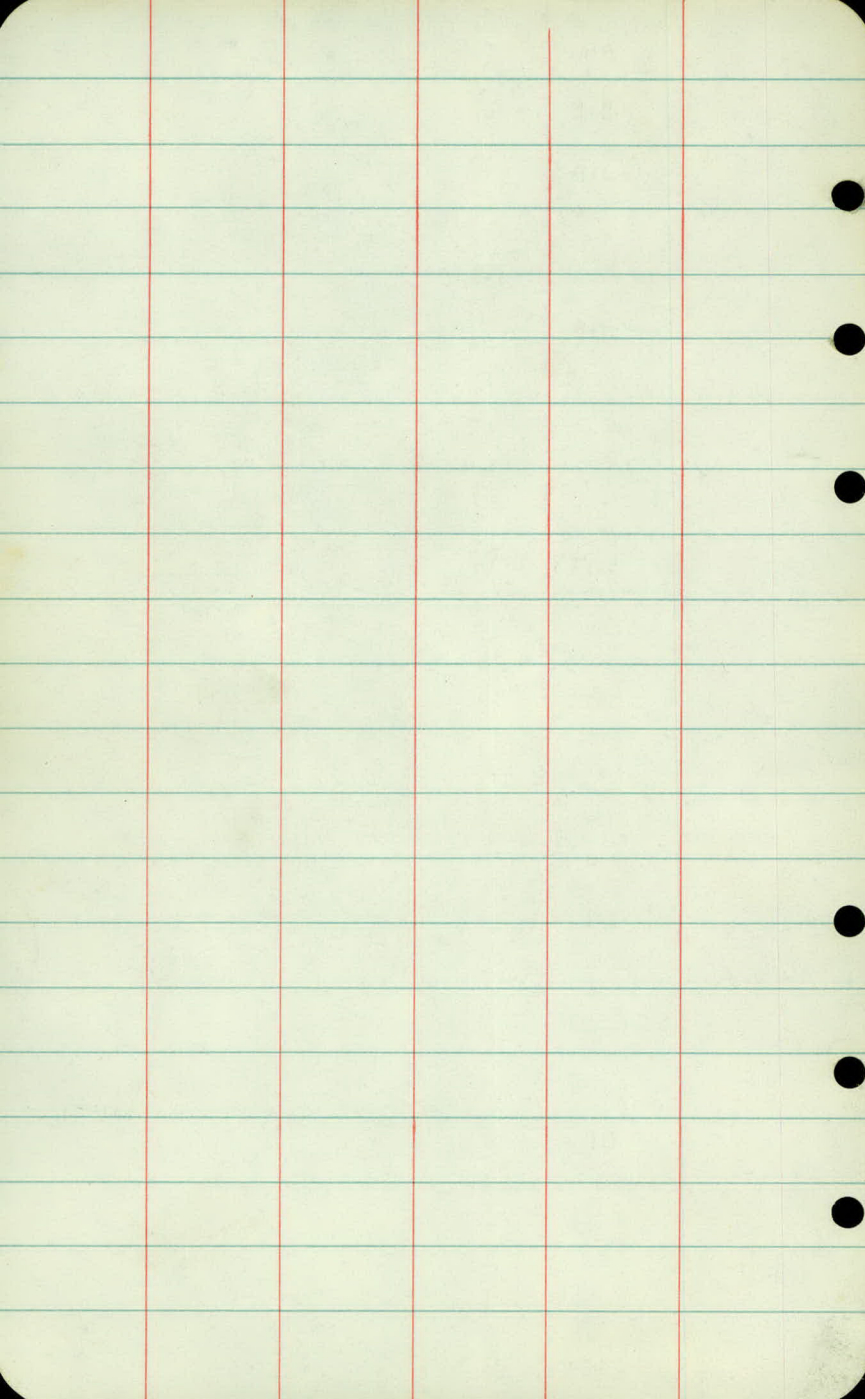
12.6	15.5	17.5	19.9	18.7	18.8	17.3	19.5	18.9
9.9	7.0	5.0	3.2	3.8	3.7	3.2	3.0	3.6
57	37	26	E	E	19	44	44.5	59
			TW	BT	BT	BT	Curb	cor. Bldg.

17.1	19.3	18.9	18.4	18.2	18.4	18.5
5.4	3.2	3.6	4.1	4.3	4.1	4.0
51	35	35		15	15	26
	T.W.	BT		BT	Top Curb	Bldg

ingress to EB

inv of 12" CM

inv. 4" vit. pipe

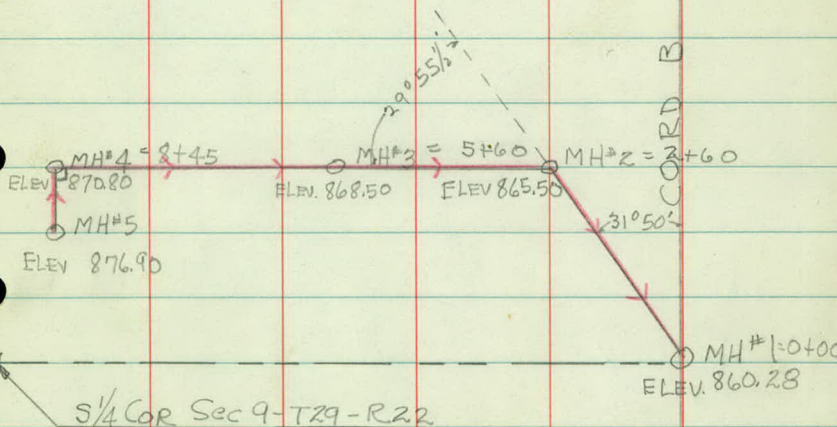


RP JD
RB RH
LB
DS

9 JULY 1962

STH # 61

KELLER GOLF COURSE SANITARY SEWER CONNECTION



STA	+	π	-	ELEV
-----	---	-------	---	------

0+00				860.28
------	--	--	--	--------

58'
0+~~60~~ = Y Marker 18" below surface

20/0

2+60				865.50
------	--	--	--	--------

10/0

5+60				868.50
------	--	--	--	--------

7+94 15" C.M. X Drain

8+45				870.80
------	--	--	--	--------

8+45				871.50
------	--	--	--	--------

~~2~~

MH#1

MH#2

MH#3

MH#4

8+45 871.50

10%

8+99 876.90

MH[#]4

MH[#]5

STA	SEWER GRADE	% GRADE	HUB	HUB ELEV.	
BM	7.82	878.62			870.80
0+00	60.28		7.79	70.83	
+25	60.80		10.88	67.74	
+50	61.30		8.92	69.70	
+75	61.80		8.52	70.10	
1+00	62.30		8.28	70.34	
+25	62.80		7.82	70.80	
+50	63.30		7.54	71.08	
+75	63.80		7.24	71.38	
2+00	64.30		4.89	73.73	

SEWER

E

ELEV.

HUB

CUTS

9 JULY 1962

Cut @
C

TOP RIM MH CO. RD B.

SEWER	ELEV.	HUB CUTS	9 JULY 1962	Cut @ C
7.82	70.80	C10.55 FL	10.52	—
8.66	69.96	C6.94 FL	9.16	8'-10"
8.40	70.22	C8.40 FL	8.92	(15)
8.83	69.79	C8.30 FL	7.99	—
8.55	70.07	C8.04 FL	7.77	
8.24	70.38	C8.0 FL	7.58	8'-10" (15)
8.16	70.46	C7.78 FL	7.16	6'-10"
7.82	70.80	C7.58 FL	7.00	
4.33	74.29	C9.43 FL	9.99	+60 8'-10" (40)

C10.55 FL

10.52

8.66

69.96

C6.94 FL

9.16

8'-10"

8.40

70.22

C8.40 FL

8.92

(15)

8.83

69.79

C8.30 FL

7.99

—

8.55

70.07

C8.04 FL

7.77

8.24

70.38

C8.0 FL

7.58

8'-10" (15)

8.16

70.46

C7.78 FL

7.16

6'-10"

7.82

70.80

C7.58 FL

7.00

+60
8'-10"

4.33

74.29

C9.43 FL

9.99

(40)

STA	SEWER GRADE	% GRADE	HUB	HUB ELEV
		878.62		
2+00	64.30		4.89	73.73
+25	64.80		1.09	77.53
+50	65.30			
MH #2				
+60	65.50		1.55	877.07
+60	65.50		1.41	877.21
+75	65.65		2.30	76.32
3+00	65.90		2.52	76.10
+25	66.15		2.45	76.17
+50	66.40		2.34	76.28
+75	66.65		1.90	76.72
TP	3.26	879.98	1.90	876.72

SEWER

HUB

9 JULY 1962

Cut #

E

ELEV

CUTS

E

4.33

74.29

C9.43 FL

9.99

1.77

76.85

C12.73 FL

12.05

Lump Sum
Add No 1

3.44

875.18

C11.57 FL

FL TO TOP RING 9.68

3.44

875.18

C11.71 FL

FL TO TOP RING 9.68

Add

+ 1.68'

10' of
10 to 12

3.93

74.69

C10.67 FL

9.04

4.12

74.50

C10.20 FL

8.60

3.89

74.73

C10.02 FL

8.58

3.64

74.98

C9.88 FL

8.58

3.40

75.22

C10.07 FL

8.57

8' - 10'

140

TOP HUB STA 3+75

STA	SEWER GRADE	% GRADE	HVB	HVB ELEV
		879.98		
4+00	66.90		2.95	877.03
+25	67.15		2.66	77.32
+50	67.40		2.50	77.48
+75	67.65		2.37	77.61
5+00	67.90		2.27	77.71
+25	68.15		2.01	77.97
+50	68.40		1.83	78.15
MH#3 +60	68.50		1.49	78.49
+75	68.62		1.50	78.48

SEWER

ELEV.

HUB
CUTS.

9 JULY 1962
cut @

4.47 75.51 C10.13 FL 8.61

4.26 75.72 C10.17 FL 8.57
~~8.67~~

3.42 76.56 C10.08 FL 9.16

3.99 75.99 C9.96 AL 8.34

3.84 76.14 C9.81 AL 8.24

3.78 76.20 C9.82 AL 8.05

3.70 76.28 C9.75 FL 7.88

3.77 76.21 C9.99 FL
FL TO TOP CASTING = 7.71

3.79 76.19 C9.86 FL 7.57

1-10
1-25
8

2 OK
6 to
75

STA	SEWER GRADE +	% GRADE X	HUB	HUB ELEV.
		879.98		
6+00	68.82		1.32	78.66
+25	69.02		1.33	78.65
+50	69.22		1.27	78.71
+75	69.42		1.31	78.67
7+00	69.62		1.17	78.81
+25	69.82		0.86	79.12
+50	70.02		0.62	79.36
+75	70.22		0.84	79.14
8+00	70.42		0.20	79.78
TP	8.10	887.88	0.20	899.78

9 JULY 1962
 CMT ©
 2

SEWER	ELEV	HUB CUTS	
-------	------	----------	--

76.34	3.64	C9.84 FL	7.52
-------	------	----------	------

76.57	3.41	C9.63 FL	7.55
-------	------	----------	------

76.82	3.16	C9.49 FL	7.60
-------	------	----------	------

76.94	3.04	C9.25 FL	7.52 6.62
-------	------	----------	--------------

77.16	2.82	C9.19 FL	7.54
-------	------	----------	------

77.36	2.62	C9.30 FL	7.54
-------	------	----------	------

77.47	2.51	C9.34 FL	7.45
-------	------	----------	------

77.80	2.18	C8.92 FL	7.58
-------	------	----------	------

78.46	1.52	C9.36 FL	8.04
-------	------	----------	------

TOP HUB STA 8+00

2002

8
10
6

STA	SEWER GRADE	% GRADE	HUB	HUB ELEV.
		887.88		
8+25	70.62		8.13	79.75
+45	70.80		7.94	79.94
MA#4 8+45	71.50		8.97	78.91
+50	72.0			
+75	74.50		4.06	83.82
+99	76.90		3.63	84.25
BM			2.53	885.35 (885.35)

±
SEWER

±
ELEV.

HOB
CUTS

Cut ②
2

9.50 78.38 C9.13 FL

7.76
7.74

9.26 78.62 C9.14 FL
FL TO TOP CASTING 7.82

9.26 78.62 C7.41 FL
FL TO TOP CASTING 7.12

1
8
10
45

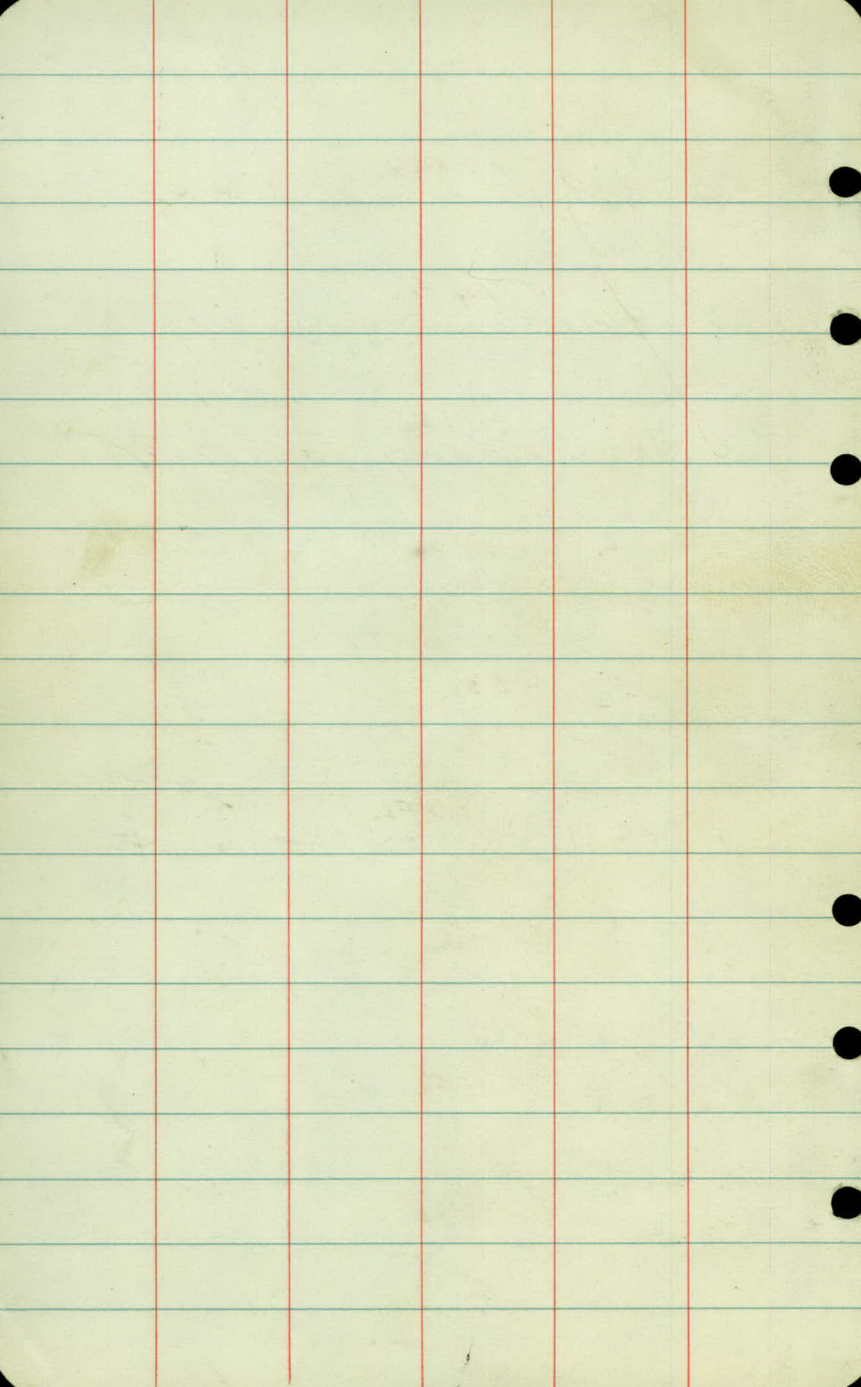
OK

4.47 83.41 C9.32 FL

8.91
.91

3.57 84.31 C7.35 FL
FL TO TOP CASTING 7.40 (W)
FL TO TOP CASTING 6.80 (E)

FLOOR OF SHED



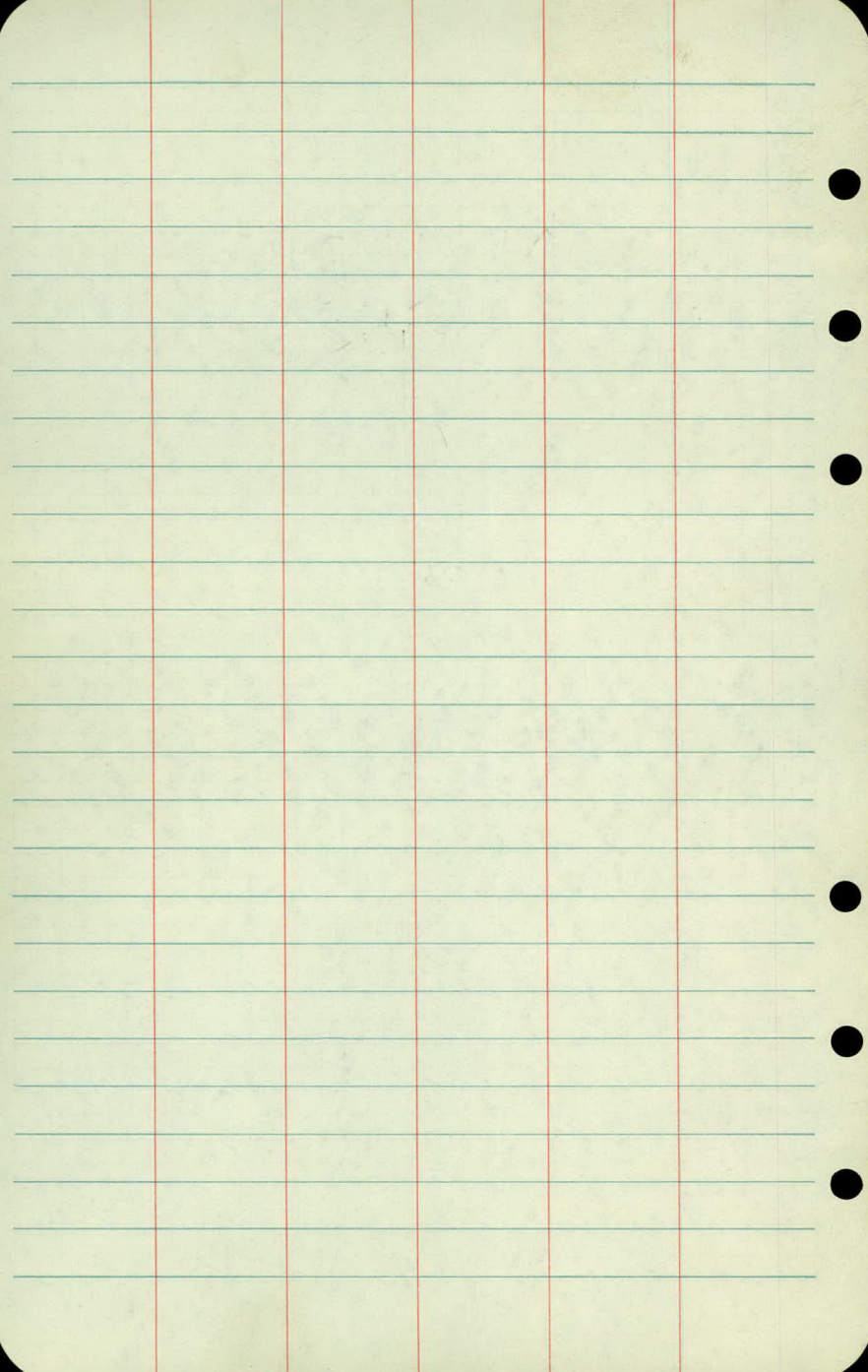
KP
DS
RH
JD

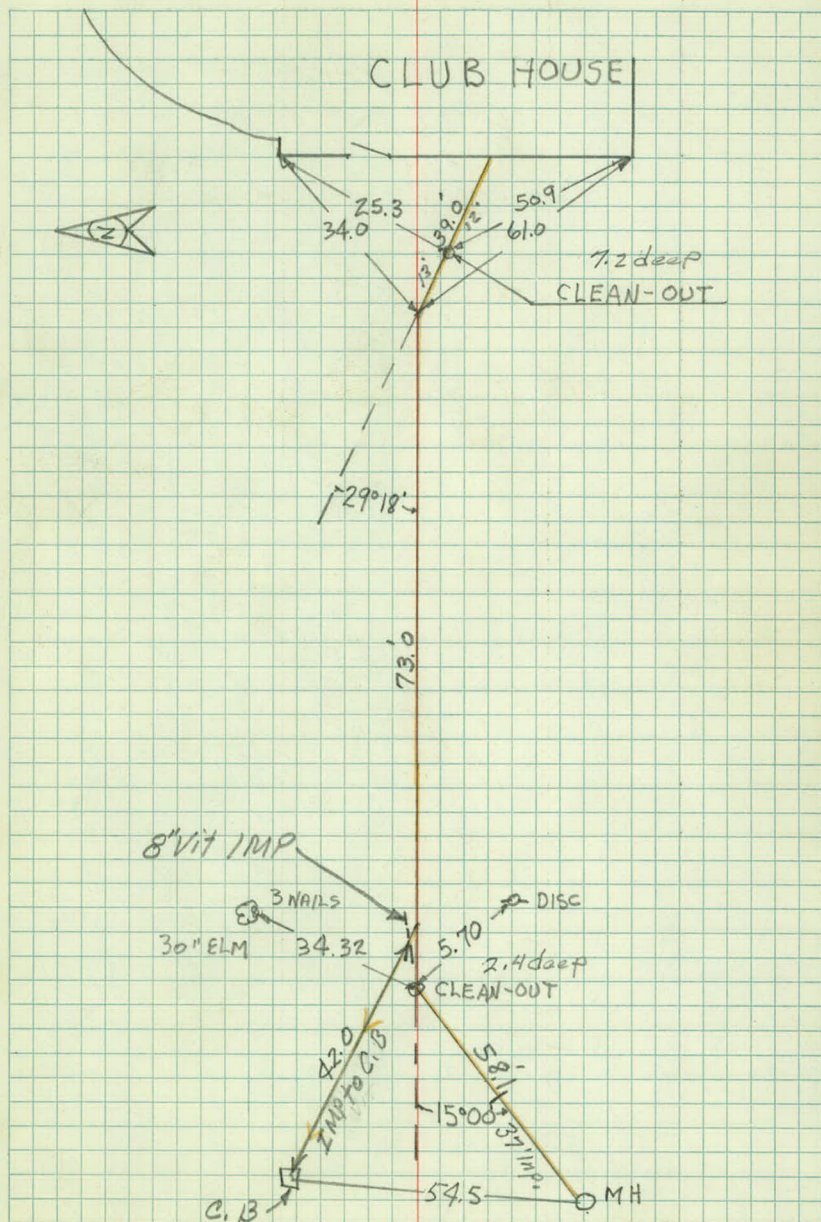
27 JULY 1962 1.

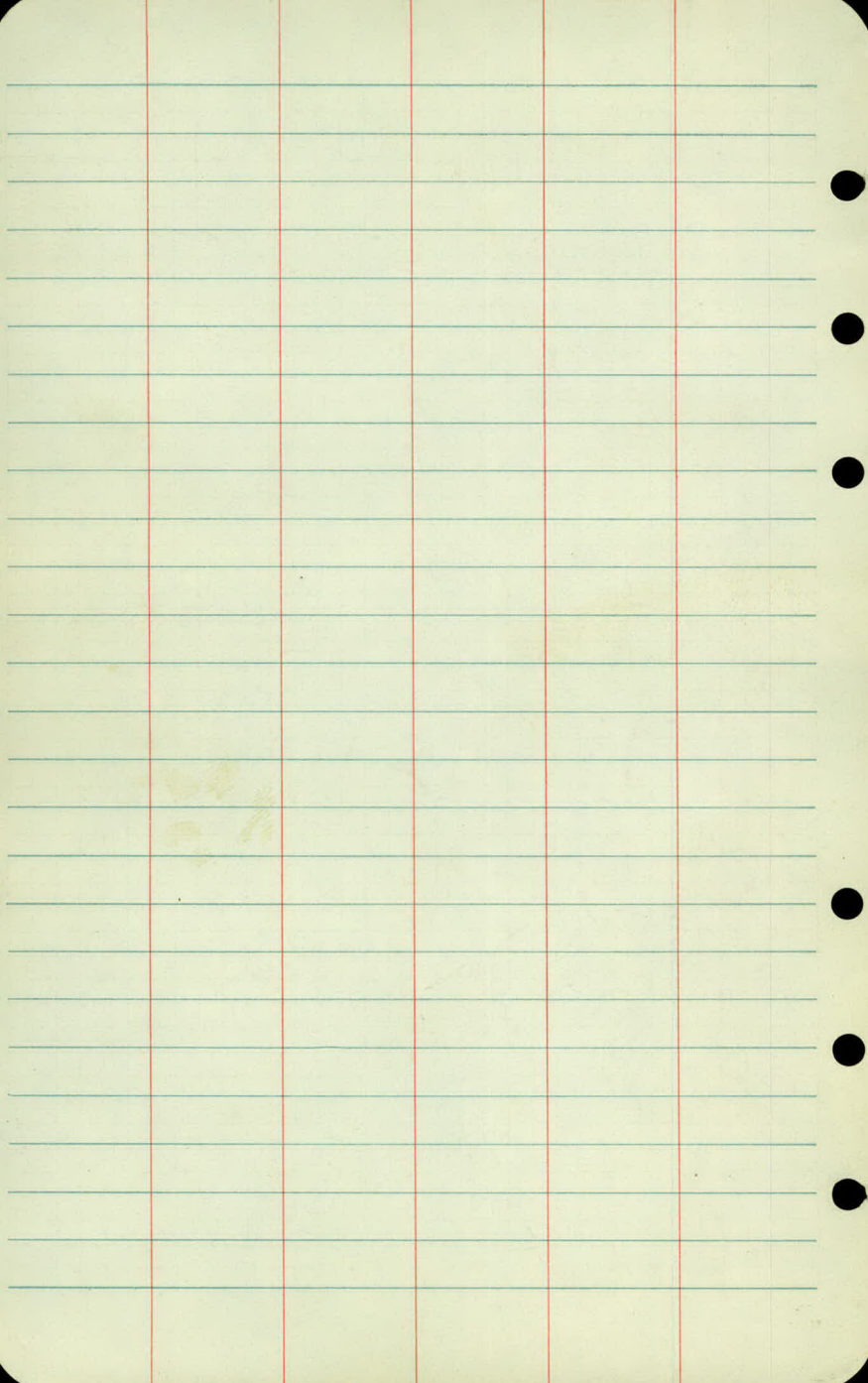
KELLER CLUB HOUSE

SEWER ALINEMENT & TIES

2 PAGES







Stake

300'

300'

524.59

80

200

80

← 24.75

Day Rd

← 24.75

New x-section McMenamy

Lt. Sta 24+00 90-160

" " 24+42 ———>

" " ~~24~~ 68 ———>

Lt Sta 25+77+ at End Cut

Locate Fe SAP

Check Beginning Stab.

Locate Radius at 100

63.9

115.7

179.6

40

219.6

80.4

300.0

Mont. By Clubhouse

N $\frac{1}{4}$ Cor
Sec 16

1321.68

1314.70

Boat Spike

208.71

362.52

297.26

363.25

660.43

1317.28

75' Lots for a ways

Iron at Ctr. of NE $\frac{1}{4}$ Sec. 16

Page 2

FK
WS
RB
LD

1-19-1964
Overcast 20°

Keller Golf Course

New Tee & Green

Locations

Stadia
AZ ~~Dis~~ Vert L

X at N $\frac{1}{4}$ Cor Sec 16
to NE Cor

Hole in One Green 74°50' 351' - 7°10'

#8 Tee 193°25' 679 -

#11 Tee 151°35' 1045 -

Driving Tee 97° - 1100 -

" " 95°15' 1095 -

" " 96°25' 1210 -

" " 94°50' 1200 -

Green #1 135°15' 1220 ✓

X at Green #1

to Mont 135°15' 1220

New #2 Tee 350° 335' ✓

Old #11 Tee 46° 322 ✓

FK
DS
KG
CG

August 4, 1971

1

Keller Golf Course

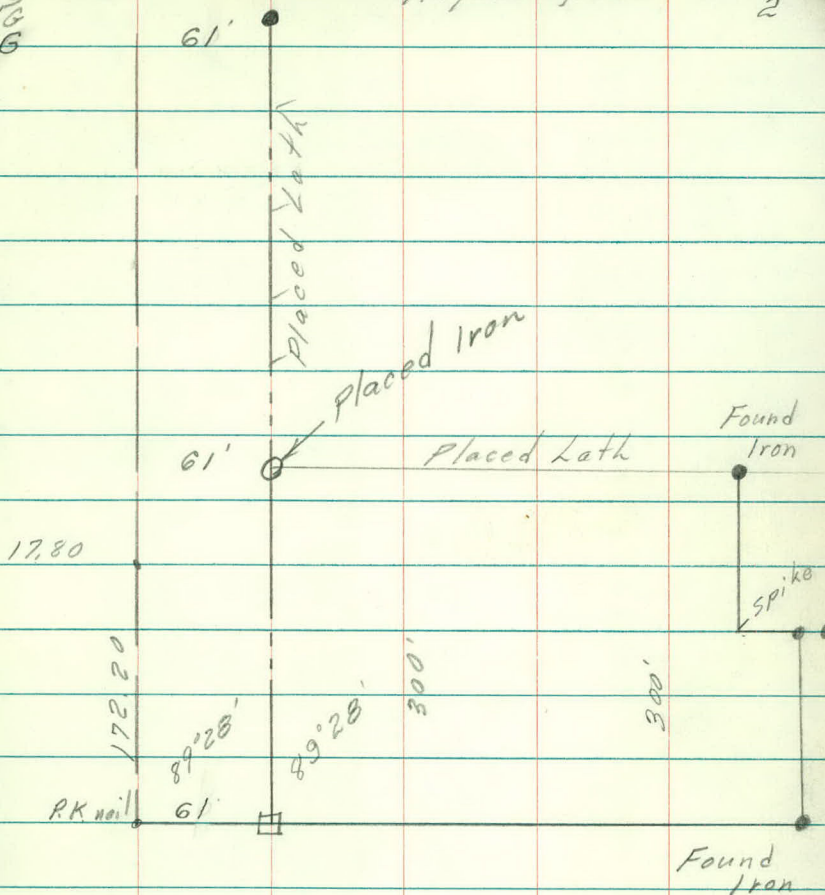
East Line
North of Caddy Bldg

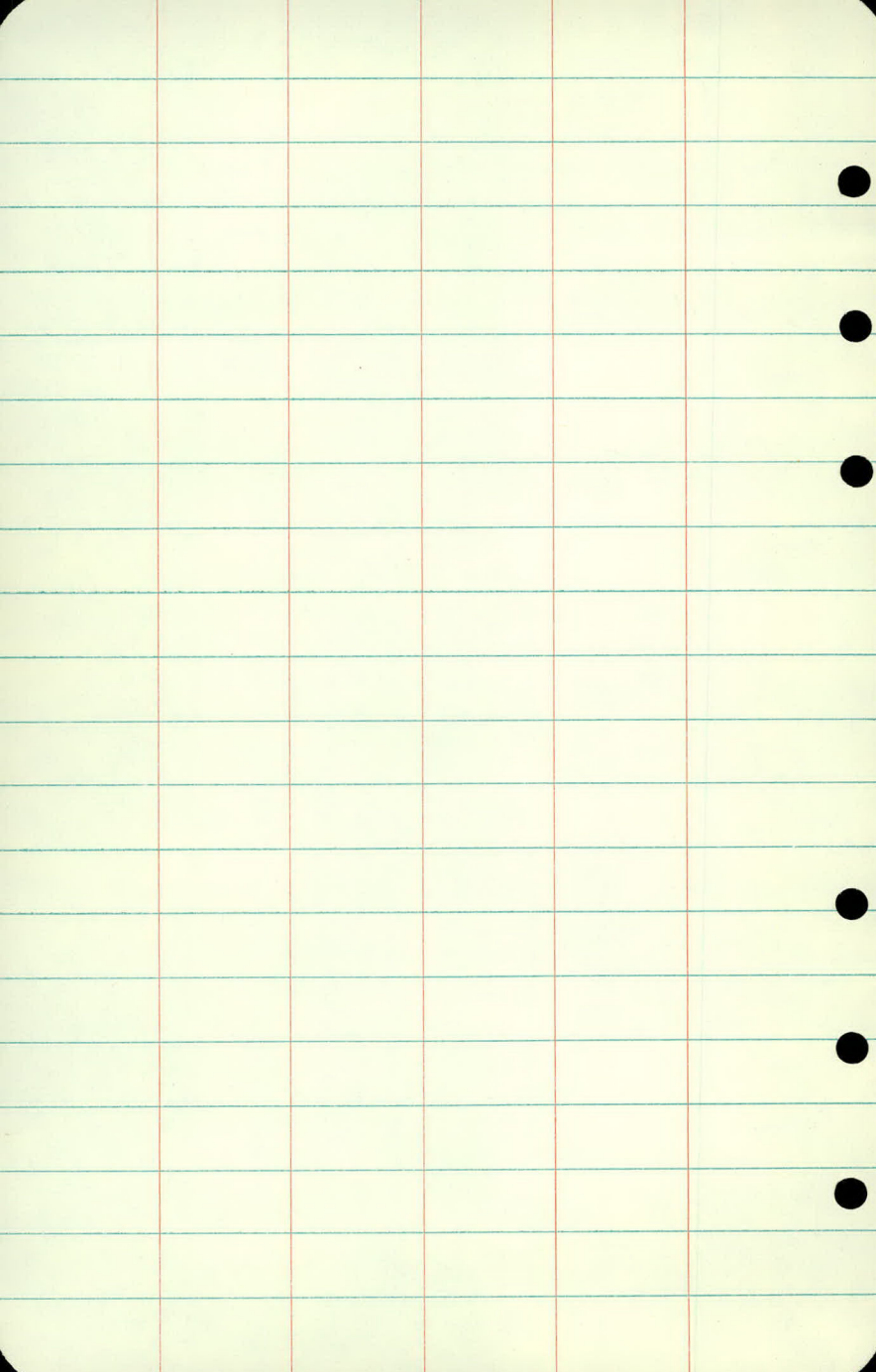
1780
17220
190.00

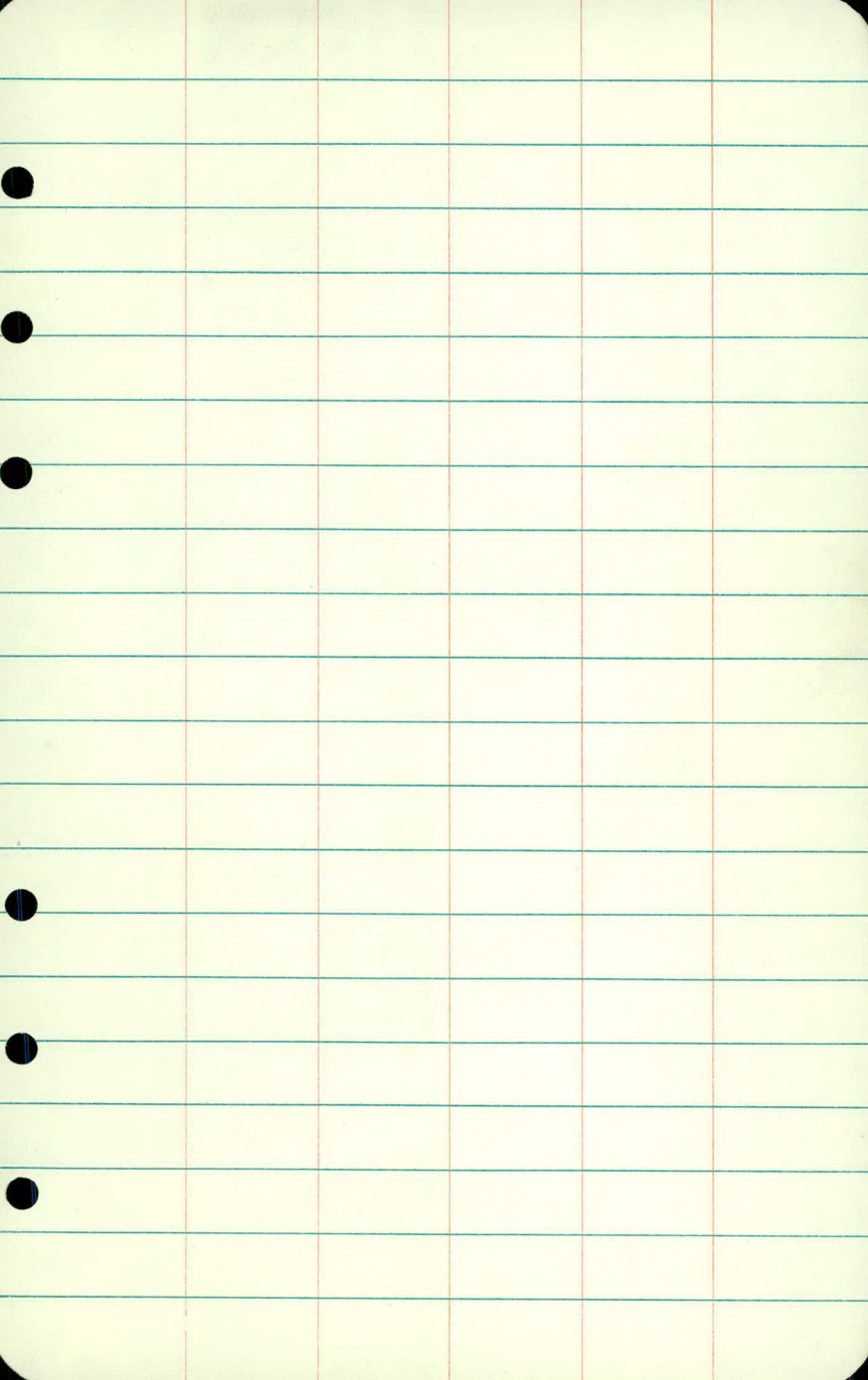
LR
DS
RG
GG

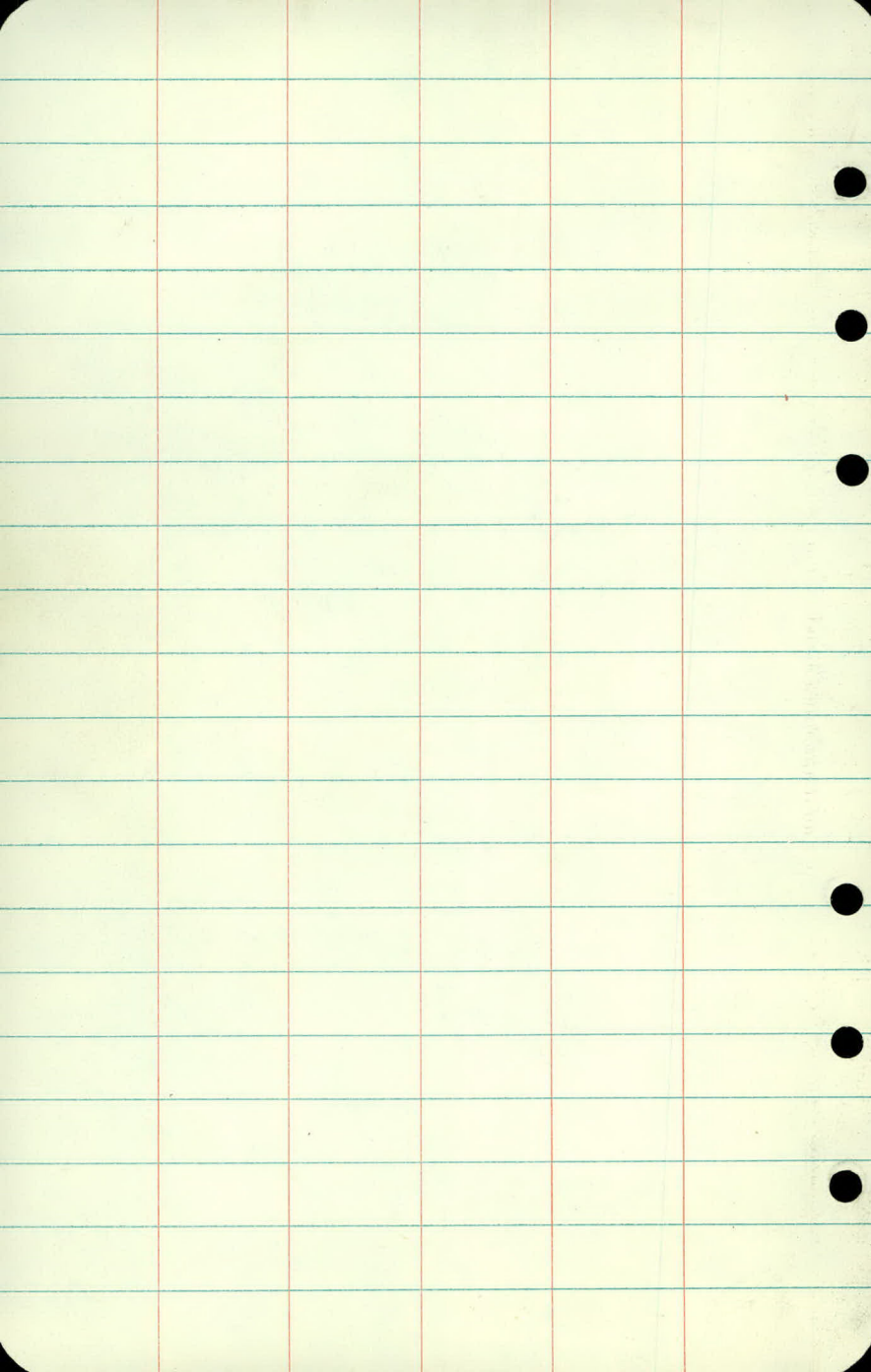
August 4, 1971

2



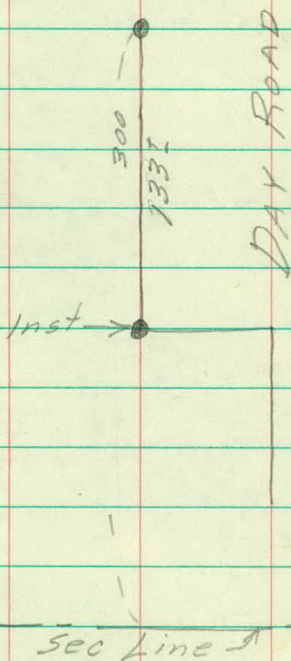






KELLER GOLF COURSE

Parking Lot Fill



94
39
133
168
301

Lenker Rod

X at Angle point on West
Line of Day Road 167 feet North
of the Section Line W. Line of Day Rd.

AZ stadia

Inv 12"

BM	176°20'	887.24	Vit
Draw	203°	72	
"	251°	53	
"	280°	116	113
"	292°	208	205
Fence	304°35'	230	227
Twin Willow	293°45'	262	260
Fe Cor.	295°50'	300	328
Fence	284°25'	283	281
"	272°30'	281	
"	253°40'	304	
Fe Cor.	242°40'	337	
Cor Parking	247°-	397	
"	258°-	378	
"	270°-	370	
N Edge "	270°-	430	

Vert An.	Red. Eq.	Red	Elev	Flev.
----------	----------	-----	------	-------

-2°35'	-3.2	7.0	887.0	883.8	✓
-6°50'	-6.3	7.0	87.0	880.7	✓
-9°25'	-18.7	8.0	88.0	869.3	✓
-6°52'	-24.7	7.0	87.0	862.3	✓
"	-27.3	9.0	89.0	861.7	✓
-5°25'	-24.6	7.0	87.0	862.4	✓
-5° -	-28.2	8.0	88.0	859.8	✓
-5° -	-24.6	8.5	88.5	863.9	✓
-2°43'	-13.3	7.0	87.0	873.7	✓
—		4.5		884.5	✓
+2° -	+10.6	X.0	90.0	900.6	✓
+4°06'	+28.3	X.0	90.0	918.3	✓
"	+26.9	X.5	90.5	917.4	✓
+4°05'	+26.3	X.0	90.0	916.3	✓
+3°58'	+29.7	7.0	87.0	916.7	✓

AZ stadia

Toe Slope	270°	332	
Shoulder	270°	315	
Toe	258°	335	
Shoulder	257°40'	330	
Toe	251°20'	345	
Shoulder	251°20'	335	
Toe	247°	355	
"	245°	375	
"	279°	295	
"	285°	318	
Edge Pond	294°	370	185
GE ^{Edge of}	293°45'	460	
GE ^{Trees}	299°	444	
GE "	237°45'	436	
GE	336°30'	322	
Water	304°45'	260	257
GE	320°30'	248	246
"	325°30'	265	263
Shoulder GE	331°	247	
" "	333°	200	
GE	338	215	
GE	336°30'	285	

Vert L	Rod Eq	Rod	Therot. EI	Elev	3
+2°-	+11.6	8.0	88.0	899.6	✓
+2°-	+11.0	5.9	85.9	896.9	✓
+2°12'	+12.9	7.0	87.0	899.9	✓
+2°12'	+12.7	6.7	86.7	899.4	✓
+2°20'	+14.0	7.0	87.0	901.0	✓
+2°02'	+11.9	8.0	88.0	899.9	✓
"	+12.6	9.5	89.5	902.1	✓
+3°12'	+20.9	7.0	87.0	907.9	✓
-3°47'	-19.4	8.0	88.0	868.6	✓
-4°14'	-23.4	7.0	87.0	863.6	✓
-4°39'	-29.9	X.0	90.0	860.1	✓
-3°03'	-24.4	X.0	90.0	865.6	✓
-3°13'	-24.9	X.0	90.0	865.1	✓
-3°02'	-23.0	X.0	90.0	867.0	
-4°44'	-26.5	7.0	87.0	860.5	
-6°18'	-28.4	8.0	88.0	859.6	✓
-5°29'	-23.6	7.0	87.0	863.4	✓
"	-25.2	10.5	90.5	865.3	✓
-3°12'	-13.7	8.0	88.0	874.2	✓
"	-11.1	6.9	86.9	875.8	✓
-3°31'	-13.2	X.0	90.0	876.8	✓
-1°30'	7.5	8.0	88.0	880.5	✓

Object	AZ	Stadia	
GE	320° -	315	
"	314° 40'	306	304
Top 12" Pipe Storm Sewer	291° 45'	380	
GE	318°	524	
GI	320° 20'	570	
Shoulder	283° 15'	364	123 1185
"	285° 45'	435	7.5
"	285° 40'	480	48
on flat	280	510	1.3 1.7
Shoulder	280°	340	

May 23, 1977
Beautiful 75°

Beautiful 75°

Vert L	Rod Equiv.	Rod	the El.	Elev	
-4° -	21.9	8.0	88.0	866.1	✓
-4° 28'	23.7	8.0	88.0	864.3	✓
-3° 40'	24.2	8.0	88.0	863.8	✓
-2° 30'	22.8	1.0	91.0	868.2	✓
-1° 26'	14.3	8.0	88.0	873.7	✓ 56.5
+1° 05'	6.9	X.0	90.0	896.9	✓ 23.5
"	8.2	7.6	87.6	895.8	✓
+0° 37'	5.2	X.0	90.0	895.2	✓
+1° -	8.9	X.0	90.0	898.9	✓
+1° 01'	6.0	1.0	91.0	897.0	✓

