

Dr. 9 Bk. 12

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

_____ Survey

MC CARRONS BEACH- STADIA

From _____ To _____

Road Acc't. No. _____

Date Filed 2-6-59

File Dr. 9 Bk 12

DIST.

VERT.
ANGLEROD
EQUIV.

ROD

DIFF.

ELEV.

Mc Carrons Beach

Stadia

Plotted
4/26/56

OBJECT

AZ.

STADIA

H. I. 847.36

A at A #1 - 50' 50"

6' W. of S.W. Cor. Bldg.

To A #2 50' No. 4

6' W. of N.W. Cor. Bldg 0° 00' 149

B.M. SW. cor flag pole base ^{66° 55'} 188

± 8' walk 71° 50' 186

" 66° 55' 148

End " 56° 40' 105

N.W. Cor. Park Area 69° 50' 128

N. Edge " " 75° 30' 180

W. " " " 85° 45' 120

S.W. Cor " " 108° — 124

Edge B.T. 117° 30' 87

± 8' B.T. walk 86° 20' 74

End " " 74° 40' 76

Edge B.T. 100° 30' 71

" " 131° 10' 31

DIST	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
20			4-24-52		2
51					
			Hi = 5.20		842.16
			4.73		842.63
			3.66		843.70
			4.0		43.4
			4.0		43.4
			4.0		43.4
			4.1		43.3
			4.2		43.2
			4.2		43.2
			5.0		42.4
			5.0		42.4
			4.3		43.1
			4.1		43.3
			4.5		42.9
			5.1		43.3

OBJECT

AZI

STADIA

847.36

Edge B, T.

185° 50' 48

" "

210° 10' 87

" "

219° 50' 140

" "

222° 40' 192

" "

225° 30' 257

" "

227° — 320

" "

226° 40' 380

" "

223° 15' 433

" "

219° — 495

" "

214° 50' 480

" "

217° 35' 410

" "

218° 30' 350

" "

215° 40' 272

" "

209° — 188

" "

193° 30' 128

" "

163° 40' 92

" "

127° 20' 118

" "

112° 20' 185

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
			4-24-56		3
			5.7		41.7.
			5.6		41.8.
			5.7		41.7.
			5.8		41.6.
			5.7		41.7.
			5.7		41.7.
			5.5		41.9.
			5.3		42.1.
			4.9		42.5.
			5.7		41.7.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			6.3		41.1.
			6.4		41.0.
			6.0		41.4.
			5.5		41.9.
			5.3		42.1.

OBJECT

AZ.

STADIA

847.36

E B. T. Rd

121° 40' 114

c'

171° 30' 78

" "

207° — 131

" "

216° 50' 191

" "

221° 30' 270

" "

222° 40' 363

Shore line

233° 30' 408

" "

236° 10' 340

" "

240° 20' 280

" "

249° 10' 215

" "

266° 30' 161

" "

288° 40' 140

" "

316° 40' 151

" "

334° — 190

" "

341° 50' 230

" "

346° 20' 282

" "

345° 40' 325

G. E.

347° 20' 295

4-24-56

4

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
			5.1		42.3.
			5.2		42.2.
			5.2		42.2.
			5.5		41.9.
			5.3		42.1.
			5.4		42.0.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			6.5		40.9.
			5.7		41.7.

OBJECT

AZ.

STADIA

847.36

G. E.

345° — 252

" ^{Bog.}
(Clay)

342° 35' 220

" "

332° 50' 165

" "

308° — 130

" "

277° 50' 132

" ["]
End

256° — 170

" "

245° 10' 227

" "

238° 20' 290

" "

235° 30' 345

" "

233° 30' 400

" "

232° 15' 345

" "

233° 25' 270

" ^{Bog.}
Clay

235° 25' 220

" "

244° — 155

" "

268° 20' 106

" "

313° — 96

" "

342° 40' 142

" ["]
End

352° 10' 197

DIST.

VERT
ANGLEROD
EQUIV.

ROD

DIFF.

ELEV.

5.5

41.9.

5.5

41.9.

5.3

42.1.

5.6

41.8.

5.5

41.9.

5.8

41.6.

5.5

41.9.

5.8

41.6.

5.8

41.6.

5.7

41.7.

5.8

41.6.

5.9

41.5.

6.1

41.3.

5.9

41.5.

5.7

41.7.

5.5

41.9.

5.2

42.2.

5.6

41.8.

OBJECT

AZ.

STADIA

847.36

G.E.

356° 10' 242

"

356° 10' 320

"

2° 40' 335

"

3° — 250

"

Bey.
Clay

2° — 195

" "

6° — 130

6" wide
Edge walk N.W. Cor.

0° 00' 98

" "

0° 00' 50

" "

29° 15' 51

" "

45° 30' 68

G.E. (Clay)

347° 45' 73

" "

278° 45' 40

" "

234° — 110

" End

228° 20' 150

"

229° — 210

" (Clay)

68° — 34

" (Sand)

46° — 107

"

50° 20' 115

DIST.	VERT. ANGLE	ROD EQUIV.	ROD	DIFF.	ELEV.
					6
			5.9		41.5.
			5.9		41.5.
			5.5		41.9.
			6.0		41.4.
			5.2		42.2.
			4.8		42.6.
			3.70		43.66.
			3.75		43.61.
			3.80		43.56.
			3.73		43.63.
			4.7		42.7.
			5.4		42.0.
			6.0		41.4.
			5.9		41.5.
			5.9		41.5.
			4.5		42.9.
			3.7		43.7.
			3.8		43.6.

OBJECT

AZ.

STADIA

H.I. = 847.78

At Δ^2 To $\Delta^2 1$ 180° 00' 149

B.M. S.W. Cor. Flag Pole Base 113° 15' 188

G.E. 116° 40' 168

4 8' walk (conc) 108° 40' 183

" " 113° — 148

End " 123° 10' 105

End 8' B.T. walk 119° 35' 87

4 " " 82° — 74

S.W. Cor B.T. 72° 15' 48

Edge B.T. 25° — 105

N.W. Cor. B.T. 13° 15' 198

N. Edge B.T. 37° 15' 251

Edge B.T. 104° 50' 172

S.W. Cor B.T. 110° 45' 126

Cor B.T. 73° — 120

" " " 63° 30' 88

4-24-56

7

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

H.I. = 5.15

842.63

563

842.16.

4.08

843.70.

4.4

43.4.

4.50

43.28.

4.45

43.33.

4.40

43.38.

4.5

43.3.

4.7

43.1.

4.8

43.0.

5.5

42.3.

5.6

42.2.

6.9

40.9.

4.3

43.5.

4.5

43.3.

4.9

42.9.

4.7

43.1.

OBJECT

AZ.

STADIA

847.78

G.E. (clay)

119° - 37

Edge 6' walk

151° 40' 51

" "

134° 20' 68

P.P.

81° 20' 48

4-24-36

8

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

4.7

43.1

4.20

43.58.

4.13

43.65.

4.7

43.1.

OBJECT

AZ.

STADIA

Mc. Carren's Beach

Elevs. at bathhouse

7/2/53

platted
ok.

Nos.	+	$\bar{A}$	-	Elev
	7.47	892.27 848.03		840.56 840.56

1

2

3

4

5

6

7

8

9

10

11

T.P.	5.98	894.40 850.16	3.85	888.42 844.18
------	------	-----------------------------	------	-----------------------------

C.

B.

A

T.P.	2.43	890.85 846.61	5.98	888.42 844.18
------	------	-----------------------------	------	-----------------------------

12

13

14

W.S. 841.15 7/1/53

1

Rod.

Elev.

Top of Spillway (F.L.)

Septic Tank N.W. Cor.

3.53

44.50

5.15

42.88

5.07

42.96

4.7

43.3

5.0

43.0

4.9

43.1

4.9

43.1

4.8

43.2

4.8

43.2

5.05

42.98

5.1

42.9

7.01

43.15

5.12

45.04

7.05

43.11

4.30

42.3

4.25

42.36

4.2

42.4

Nos. + π - Elev

846.61

15

16

17

18

B.M.

6.08

840.53
~~884.77~~

840.56
884.80

Rod

4.2 42.4

4.05 42.56

4.1 42.5

4.2 42.4

Top of spillway (F.L.)

3.1 To top of pipe

$$\begin{array}{r} 44.5 \\ - 3.1 \\ \hline 41.4 \end{array}$$

Top tile to floor
is 2.4±

$$\begin{array}{r} 45.04 \\ 2.4 \\ \hline 47.64 \pm \end{array}$$

1
Mc Carrons Beach

Water Main Profile

Water Service to
Beach House

4 pages

Sta	+	X	-	Elev
BM	0.52	847.30		846.78

9.48 37.82

0+00 4' East of Gate Valve

+28

+50

1

+33 P.I.

+50

2

FK
AM
C
WJ

Sept. 19, 1953

2

Top Hyd 22'± south of Gate Valve

Top Gate Valve

46.28

5.02

40.9

6.4

40.6

6.7

40.5

6.8

41.5

5.8

41.6

5.7

41.5

5.8

Sta + π - Elev

847.30

2+50

3

+50

4

TP 5.75 847.72 5.33 841.97

+50

5

+46 P.I.

+50

6

2 Sept.

3

41.5

5.8

41.5

5.8

41.5

5.8

41.6

5.7

41.5

6.2

42.0

5.7

42.4

5.3

42.6

5.1

42.7

5.0

Sta + π - Elev

847.72

6+06

+18 Alt. Meter Box (Place)

BM 4.02 847.72 4.02 843.70

5.67 847.45 5.94 841.78

BM 0.68 846.77

Sept 19, 1953

4

40.84

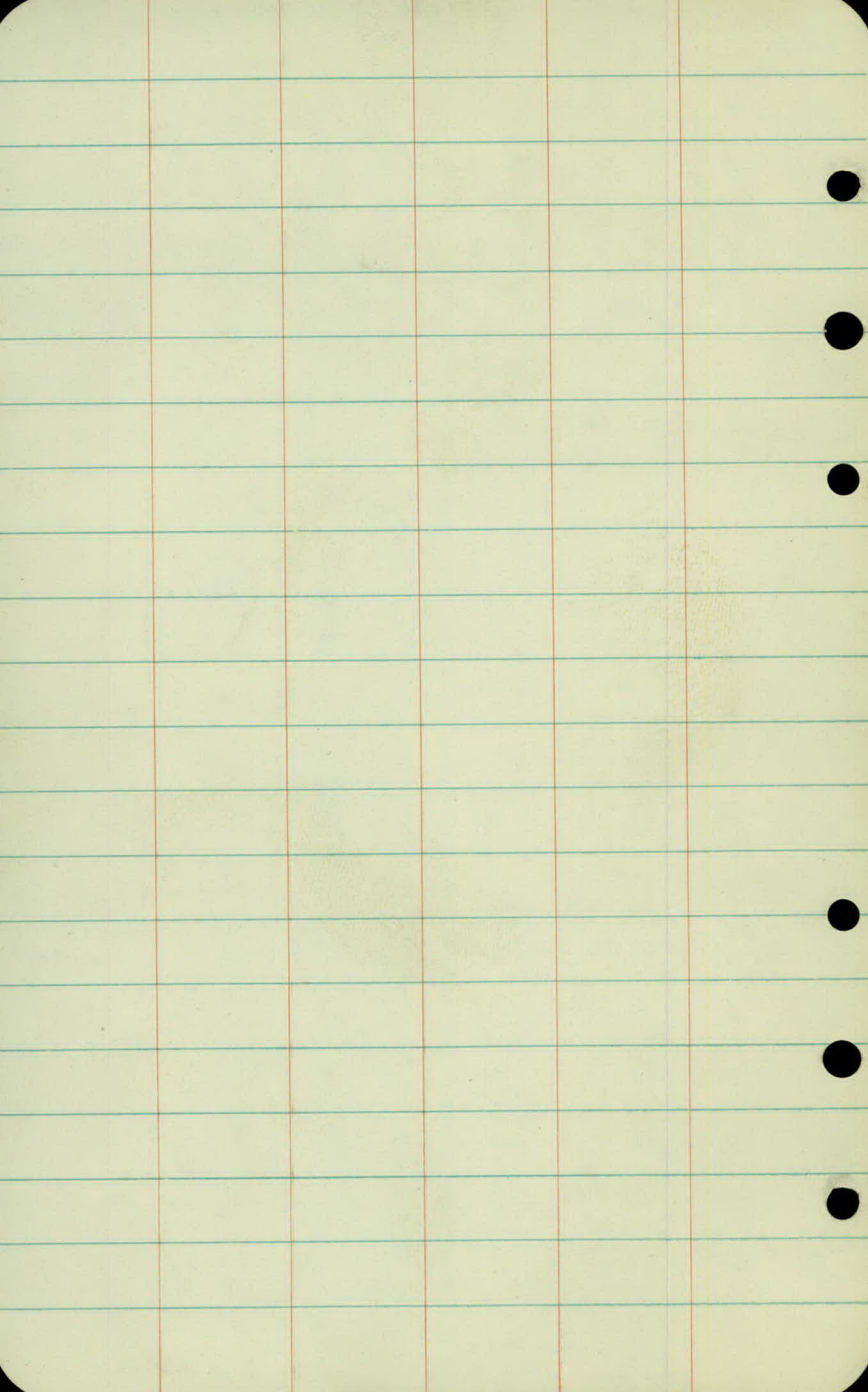
6.88

40.17

7.55

SW Cor Flag Pole Base

Top Hyd 22'± South of Gate Valve



1
Mc Carrons Beach

Building Locations

Sewer Profile

5 pages

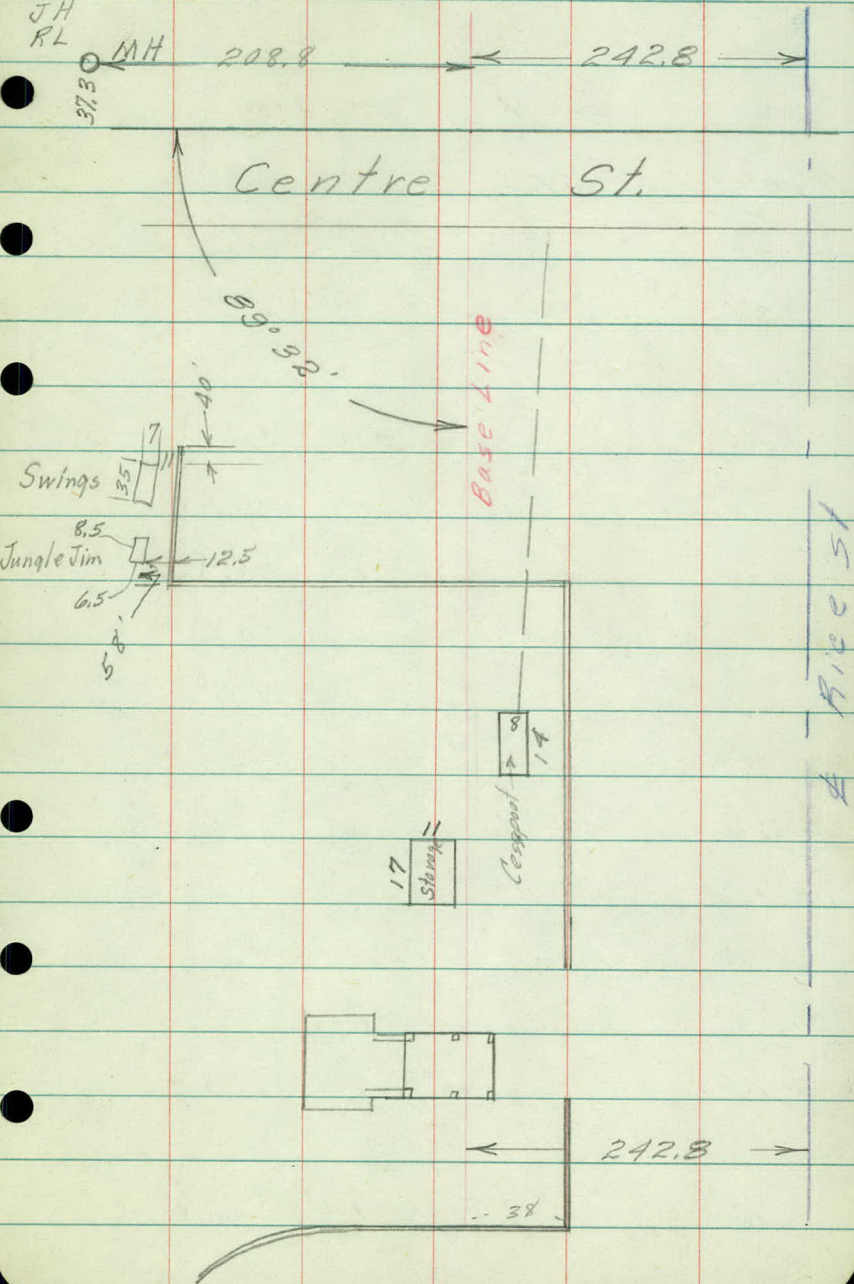
Sta

- A+54 N Line of Centre St
- 3+88 Cesspool / Overflow outlet 18' Rt
- 3.83 Angle in ditch End of RipRap 125' Lt
- 3+92 ± 2' Ditch
- 3+43 Ctr Control outlet (Lake) 58' Lt
- 3+58 Begin curb 3.5'
- 1+70 Cesspool overflow outlet 12.4' Rt Elev 837.75
- 2+05 Curb ^{Cor} 46' Lt Curb Cor 38' Rt
- 1+70 N.W. Cor Cesspool 8.3' Rt
- 1+46 Cesspool invert 9.7' Rt
- 1+44 S.W. Cor Cesspool 8.7' Rt
- 1+70.2 N.E. Cor Storage Bldg 1.8' Lt
- 1+53.3 S.E. Cor Storage Bldg 1' Lt
- 1+12 NE Cor Bldg 5.9' Rt
- 42
- +70 S.E. Cor Bldg 6' Rt
- 0+00 Curb to corner 38' Rt

FK
JL
WM
JH
RL

June 23, 1960
Cloudy 65°

2



Profile for Sewer

Sta + - Elev

BM 2.30 846.00 843.70

0+00 Ctr MH 2.18 43.82

+30 3.2 42.8

+50 3.7 42.3

+80 4.6 41.4

1 5.2 40.8

+25 5.5 40.5

+38 5.6 40.4

+41 6.98 39.02

+44 6.94 39.06

Floor Bldg

(Rim)

Edge Rip Bay

Edge Bottom Litch

Sta	+	π	-	Elev
		846.00		

1+46			5.40	40.6
------	--	--	------	------

+50			4.9	41.1
-----	--	--	-----	------

+75			5.0	41.0
-----	--	--	-----	------

2			5.0	41.0
---	--	--	-----	------

+25			4.9	41.1
-----	--	--	-----	------

+50			5.0	41.0
-----	--	--	-----	------

+76			4.20	41.3
-----	--	--	------	------

+84			4.42	41.58
-----	--	--	------	-------

3			3.9	42.1
---	--	--	-----	------

June 23, 1960

4

on Black Top of Jungle Tin Bars

on Black Top of Jungle Tin Bars

Sta	+	π	-	Elev.
		846.00		
3+12			3.8	42.2
+25			3.6	42.4
+52			3.2	42.8
+75			3.2	42.8
+94			3.3	42.7
+95			4.18	41.82
BM			2.68	843.32
BM			2.64	843.36
			2.30	843.70

843.70

943.93

June 23, 1960

5

at Curb on Parking Lot

Parking Lot

at Curb on Parking Lot

at Cesspool

FL 3" Outlet Pipe

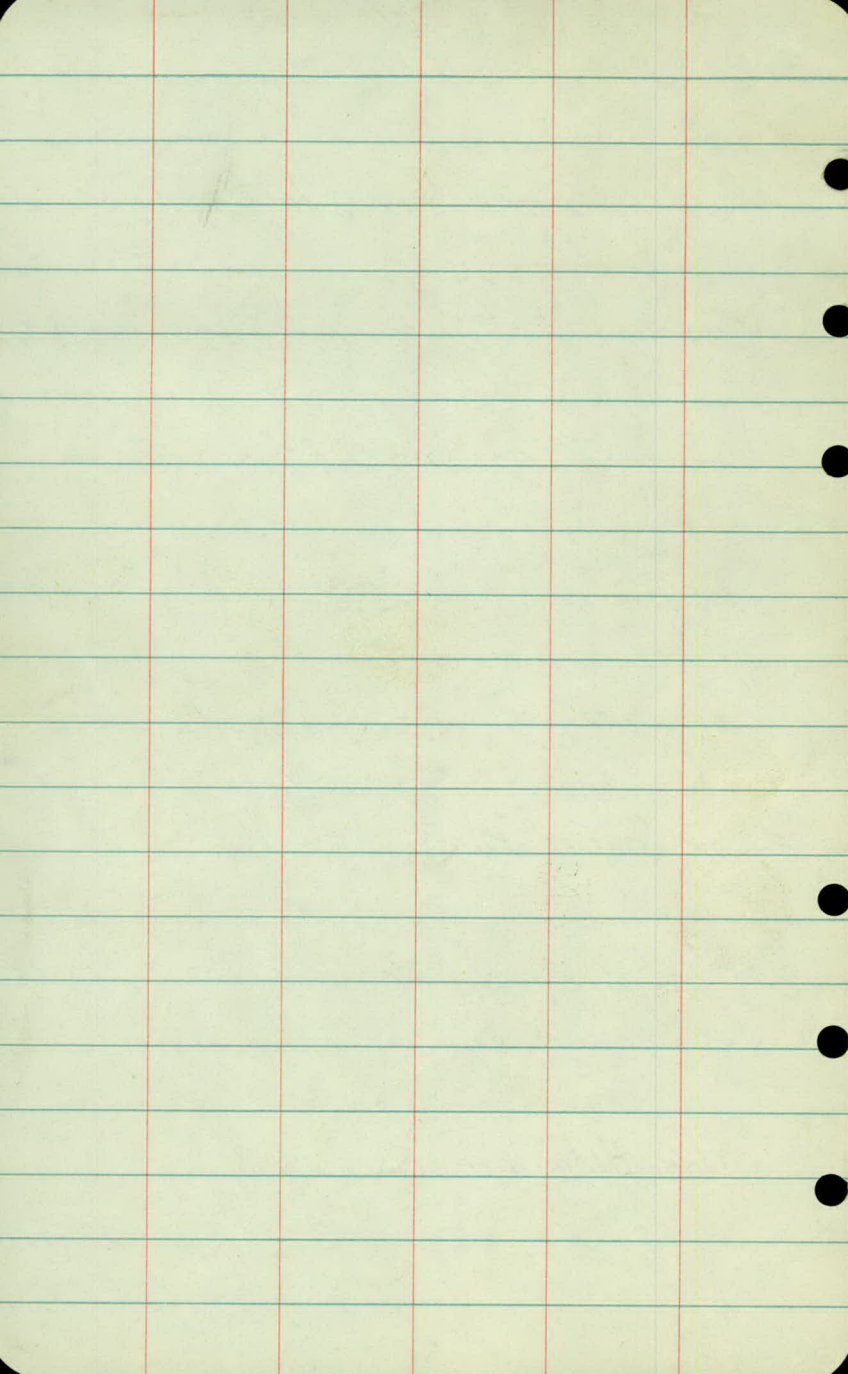
Base of Flag Pole

84389

Lake
Level
F.K.

Lake Level Bench

Floor Bldg. per F.K. w/ B



Mc Carrons Beach

Sewer Line

Sta	+	Δ	-	Elev.
BM	3.12	837.82		843.70 834.70

0+00			5.44	32.38
------	--	--	------	------------------

T.P.	3.50	845.82	4.50	842.32
------	------	--------	------	--------

			10.30	827.52
--	--	--	-------	-------------------

BM	2.49	837.19		843.70 834.70
----	------	-------------------	--	-----------------------------

			3.3	42.89
--	--	--	-----	-------

0+00			10.96	826.23
------	--	--	-------	-------------------

0+00			1.5	44.69
------	--	--	-----	-------

+ 16

+ 19			2.3	43.89
------	--	--	-----	-------

FK
JL
WM
JH
RL

July 1, 1960

2

Floor of Bath House

Top of Y 4" C.I.

860

^{C.I.P.}
FL of (M.H.) to Lift Station

Floor of Bath House

Y 19.5' N of NE cor Bldg.

9.0
19.6
10.96

FL CIP Stub South

PP 2' Lt

Sta + Σ
~~837.19~~
846.19

0+22 3.0 43.19

+39 3.4 42.79

+57 3.9 42.29

+84

+94

1 5.3 40.89

+24 5.6 40.59

+30

+38 5.84 40.35

+42 7.15 39.04

July 6, 1960

3

Lt

Rt

⊥ Roadway

18" CoH 5'Rt

14" CoH 12'Lt

33" Willow 10'Rt

Edge ^{Rock} Ditch

Bottom Rock Ditch

Sta + π - Elev

846.19
~~837.19~~

1 + 45

7.11

39.08

+ 48

5.41

40.78

+ 63

+ 75

5.2

40.99

2

5.2

40.99

+ 07

+ 50

5.2

40.99

+ 40

+ 62

+ 77.5 P.1. $8^{\circ}18'$ Left

3

4.7

41.49

July 5, 1960

4

Bottom Rock Ditch

Edge Rock Ditch

28" Willow 15' Lt?

22" Willow 4' Lt

16" Willow 17' Lt

16" Willow 18' Lt

Cov Carb

19.8.1

Jungle
Gym

38.04

Sta	+	Δ .	-	Elev
		846.19		
		837.19		
3+				
+20				
+50			3.8	42.39
+51				
+56				
+74				
+78				
4			3.2	42.99
+11			3.3	42.89

July 5, 1940

5

2" Ash 7' Rt

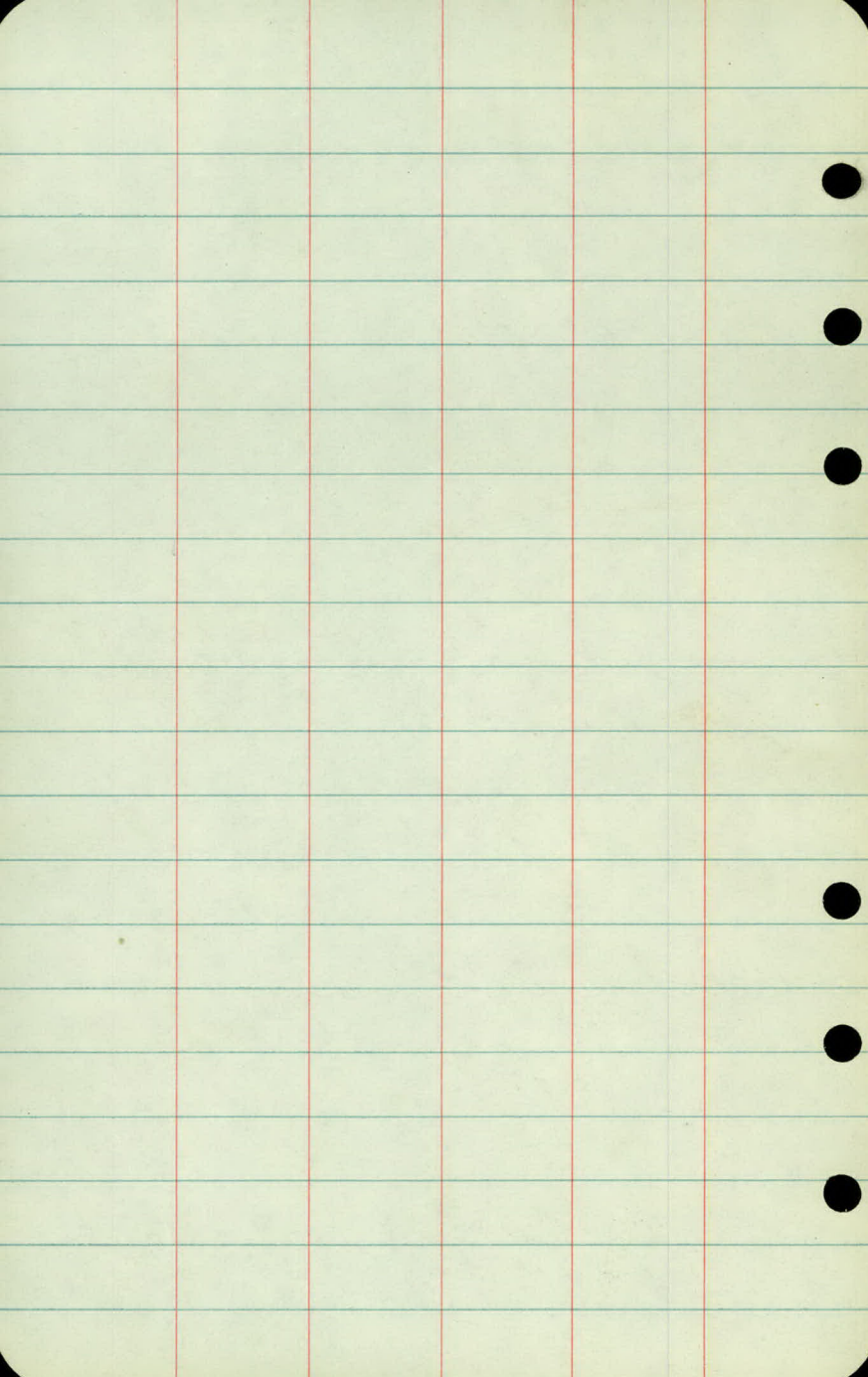
4" Elm 9' Lt

Guy Wire 14' Rt

PP 18' Lt

3" Elm 16' Rt

Y of Sewer 19.5' N & in Line With
East side of Building



1
Mc Carron Beach Sewer
staking

Sta	PG	PGR	-	Elev	CUT
BM	2.36	846.06			(843.70)
	836.00	10.06	1.22	844.84	LC 8.84
0+1.8	35.98	10.08	0.7	45.36	9.38
0+23.2	36.23	9.83	2.01	44.05	7.82
+48.2	36.48	9.58	3.36	42.70	6.22
+73.2	36.73	9.33	4.33	41.73	5.00
+98.2	36.98	9.08	4.88	41.18	4.20
1+23.2	37.23	8.83	5.29	40.77	3.54
+48.2	37.48	8.58	4.90	41.16	3.68
+73.2	37.73	8.33	5.03	41.03	3.30
+98.2	37.98	8.08	4.88	41.18	3.20

FX
WM
LB
BZ

July 24, 1961
Clear

2

Floor of Building

84484

83552

9.32

Sta	+	π	-	Elev	Cut
		846.06			

2+23.2	38.23	7.83	4.83	41.23	3.00
--------	-------	------	------	-------	------

+48.2	38.48	7.58	4.94	41.12	2.64
-------	-------	------	------	-------	------

WH#1

2+75.7	38.76	7.30	4.73	41.33	2.57
--------	-------	------	------	-------	------

+75.7	38.86	7.20	4.77	41.29	2.43
-------	-------	------	------	-------	------

3	39.25 ₃₉	6.81	4.57	41.49	2.24
---	---------------------	------	------	-------	------

+25	39.65	6.41	3.71	42.35	2.70
-----	-------	------	------	-------	------

+50	40.05	6.01	3.29	42.77	2.72
-----	-------	------	------	-------	------

+75	40.45	5.61	3.19	42.87	2.42
-----	-------	------	------	-------	------

A	40.85	5.21	3.21	42.85	2.00
---	-------	------	------	-------	------

+08	40.98	5.08	3.06	43.00	2.02
-----	-------	------	------	-------	------

Inv		5.08	40.98		
			<u>13</u>		
			.85		

July 29, 1961

3

$$\begin{array}{r} 48 \\ 28 \\ \hline 76 \end{array}$$

$$\begin{array}{r} 24.3 \\ 21.6 \\ \hline 1458 \\ 243 \\ \hline 3888 \end{array}$$

27.7

$$\begin{array}{r} 4.6 \\ 28 \\ \hline 128 \end{array}$$

