

OFFICE OF COUNTY ENGINEER
RAMSEY, COUNTY, MINN.

Survey

OLD JAIL ELEVATIONS

From ST PETER To WABASHA

Road Acc't. No.

Drower 13

Date Filed 1-6-1975

File BK 33

1
Old Tail Elevations

Sta	+	π	-	Elev	
BM	6.65	100.82			(24.17)
A			6.86	93.96	
B			5.77	95.05	
C			5.24	95.58	
D			5.28	95.54	
E			5.33	95.49	
T.P	4.42	99.91	5.33	95.49	
F			4.88	95.03	
G			4.96	94.95	
H			5.18	94.73	
T.P.	3.90	99.04	4.77	95.14	
BM	4.87	99.04	4.87	94.17	(24.17)

FK
LC
MMc
EG

July 23, 1954

2

Bright 85°

On Sidewalk 2 Ent. Municipal Court Criminal Branch

on Sidewalk 2 Ent. Municipal Court Criminal Branch.

Sta	+	π	-	Elev.
		99.04		
BM	3.21	99.37	2.88	96.16
BM			1.35	98.02 (98.597)

Elev 98.597 used on New Jail Site

BM	1.62	100.217		(98.597)
1 st Floor	2.57			
Court House		98.892	3.895	96.322
Basement Floor	" "		22.00	76.89

Check Levels

BM	1.43	100.03		(98.60)
1 st Floor				
Court House			3.70	96.33
BM	1.26	99.86		98.60
			3.11	96.75
BM			5.10	94.76

Basement Floor $\frac{96.33}{19.43}$ below 1st Floor
 76.90 = Basement

Hyd N.E. Cor Kellogg & St. Peter St

New Jail
Sight
Notes

Top Watertable S.E. Cor Courthouse

Top Watertable S.E. Court House

Top Watertable Court House

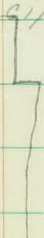
Top Hyd N.E. Cor Kellogg & St. Peter St

On Sidewalk & Ent. to Municipal Court

22.01

2.58

19.43



K.A.: 7/29/54

76.90 = El. Base New C.H.
+ 5.475

H.I. = 82.375
- 5.09

77.285 = El. of Old Jail Floor

98.60
+ 1.62

100.22
3.90

96.32 = 1st Floor C/House
19.43

76.89 = Basement " " "

76.75
18.47

95.92
58

34

Jail site

Elev

Sta + π - Elev
B.M. 0.96

Bent #3

Bent #5

Bent #7

Bent #9

Bent #11

Bent #13

Bent #15

Bent #17

OUT

Top Water table Court House

525

505

487

469

448

439

sta + π - Elev

Bent #15

Bent #9 4.7 18.4

13.7

Bent 7 5.3 22.0

16.7

Vert. Angle Feet
from 81

+ 11° 54'	16	21.7 V = 3.3 H = 15.7 = 65.8
+ 20° 52'	34	30.5 V = 12.1 H = 31.8 = 49.2
+ 24° 40'	43.5	36.6 V = 18.2 H = 39.5 = 41.5

15.1 15.1 ✓
3.3 3.3
75 78

5° 31'	15.0	23.4 V = 1.44 H = 14.9 = 66.1
15° 10'	30.2	29.9 V = 7.9 H = 29.1 = 51.9

19.9
2.1 ✓
76

Sta + π - Elev

BM 3.18 16.73

1355

Bent #7

Bent #9

" #11

" #13

" #15

" #17

" #19

PBM Brass Plug NW Cor Left Pier Wabasha Bridge

11.39 ✓

5.34
90.5

11.50

5.23
88.3

11.58 ✓

5.15
86.4

11.63

5.10
84.9

11.78 ✓

4.95
83.3

11.92 ✓

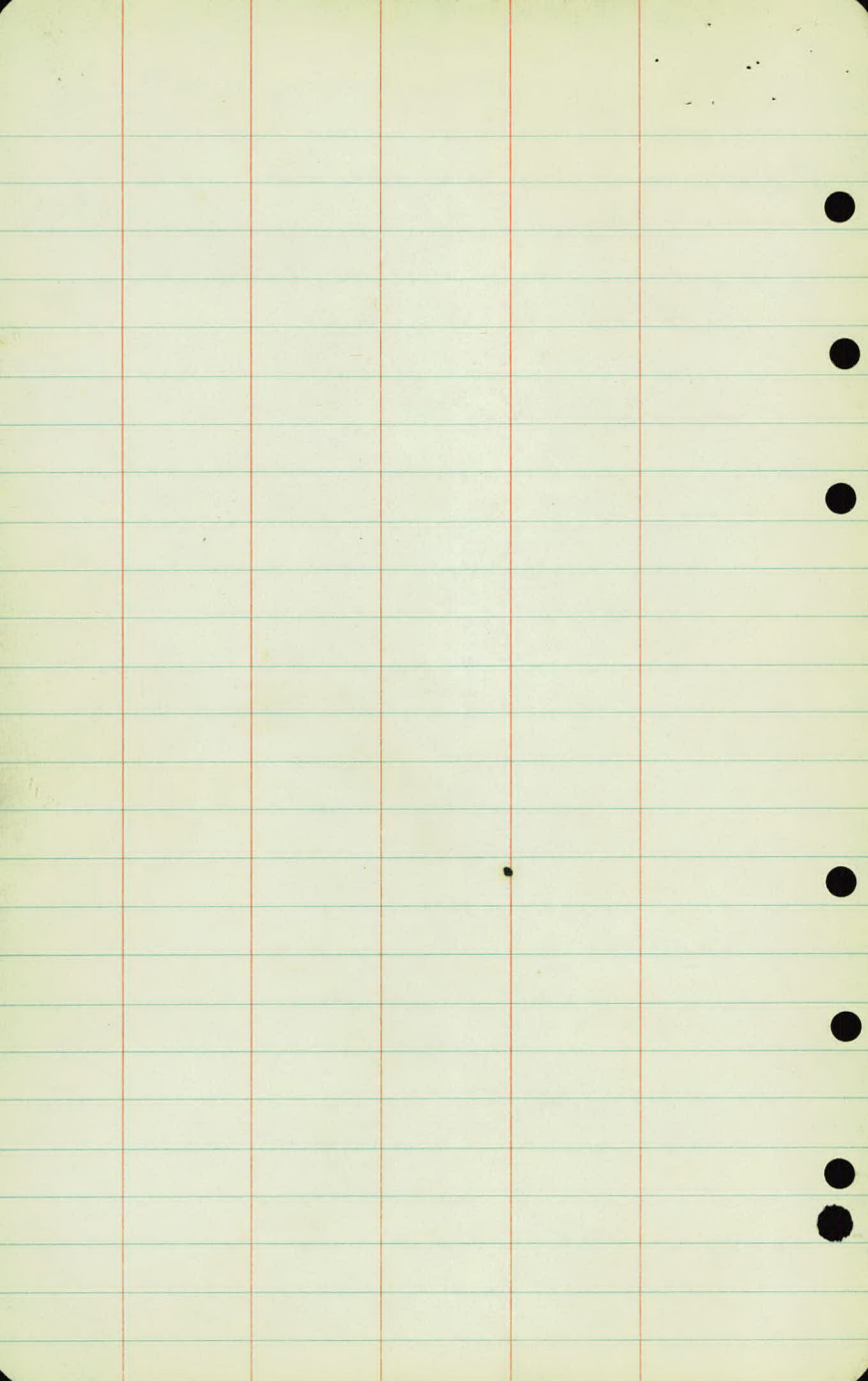
4.81
82.8

11.43
OK.

For
check 5.3
81

12.11 ✓

4.62
83.1



Jail Sight

Further X-sections

Sta + X - Elev

BM 12.70 26.25

13.55

2+29.2 Bent #21

2+55.1 Bent #23

2+55.1 Bent #23

BM 1.15 99.747 ✓

98.597

2+29.2 Bent #21

2+29.2 Bent #23

2+40

2+03.2 Bent #19

4.73

95.02

(95.05)

FX
AM.
LG
MMo

27 April 1953
45° Clear

11

£

R

Copper Bolt NW Cor Upper Pier Wabasha Bridge

23.6 22.8 20.2 17.7 15.0 11.7 11.5
2.7 3.3 6.1 8.6 11.3 14.6 14.8 ✓
49 57 61 66 68 74 81

22.4 21.2 17.2 14.0 13.2 13.2 11.7 11.5
3.9 5.1 7.1 12.3 13.1 13.1 14.6 14.8
51 57 63 68 70 72 74 77
11 9 7

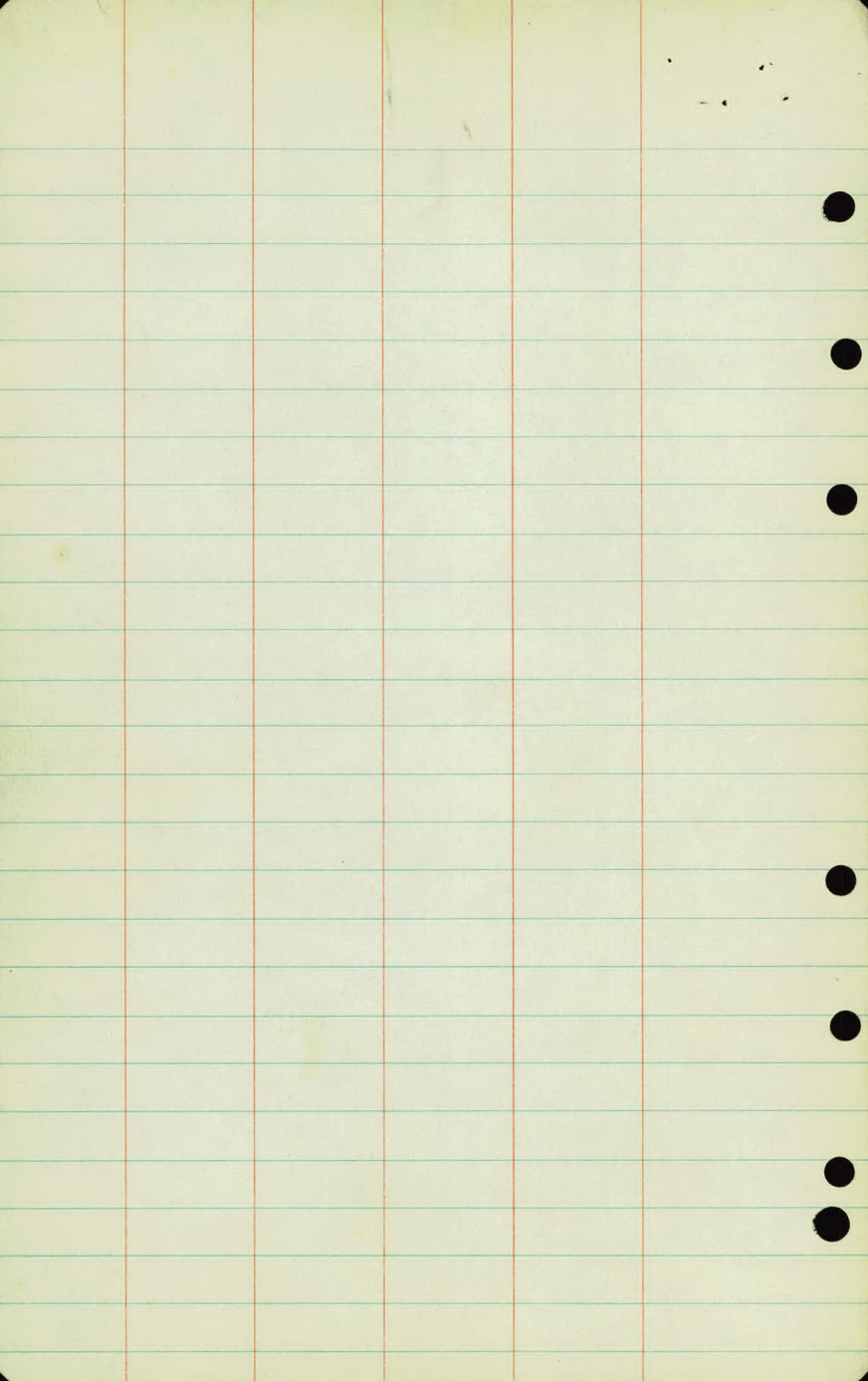
11.7
14.6
81

S.E. Cor of Court House Tip of Watertable

94.95 67.5 64.1 51.9 51.0 45.0
4.80 -27.5 -30.9 -43.1 -44.0 -50.0
2.2 27.2 27.2 37 42 ✓

94.78 67.1 64.1 53.5 48.4 45.9
4.97 -27.7 -30.7 -41.3 -46.4 -48.9 ✓
2.2 26.8 26.8 38.8 44.8

37.8 33.8 ✓
-57.0 -61.0
33 45



1

Co. Tail Sight

X-Sections

22 Dec 1952

FK

AM

LC

MB

5 pages

Sta	+	π	-	Elev
BM	0.912	99.509		98.597

0+00

49.4 Bent #7

75.4 Bent #9

1+01.2 Bent #11

+26.2 Bent #13

+52.2 Bent #15

+78.2 Bent #17

2+03.2 Bent #19

TP 0.00 92.709 6.80 92.709

£

S.E. Cor of Court House Top of Watertable

Base line is 3.7 northwesterly of property line

94.05
5.46

94.28

5.23

60.6

-33.7
2.2

59.4

-34.9
12.2

53.5

-40.8
16.5

52.5

-41.8
25.9

48.5

-45.8
25.9

94.47

5.04

67.0

-27.5
2.2

64.0

-30.5
25.7

57.4

-37.1
25.7

94.66

4.85

67.5

-27.2
2.2

66.8

-27.9
11.7

64.1

-30.6
25.9

52.7

-42.0
25.9

94.80

4.71

67.3

-27.5
2.2

66.8

-28.0
11.7

63.9

-30.9
25.5

52.7

-42.1
25.5

95.05

4.46

67.1

-28.0
2.2

66.7

-28.4
11.7

64.2

-30.9
25.5

51.2

-43.9
25.5

95.15

4.36

67.3

-27.9
2.2

66.5

-28.7
11.7

63.9

-31.3
25.5

56.3

-38.9
25.5

95.05

4.46

67.3

-27.8
2.2

66.4

-28.7
19.7

63.9

-31.2
25.5

58.7

-36.4
25.5

ON Wabasha bridge

all minus shots are below s.w. elev.

Sta + π - Elev

92.709

TP 4.48 16.819 80.37 12.339

B.M.-67 3.36 ^{16.91}
~~16.82~~ 3.96 13.46 13.55

+49.4 Bent #7

+75.4 Bent #9

+101.2 Bent #11

+126.2 Bent #13

+52.2 Bent #15

+78.2 Bent #17

+103.2 Bent #19

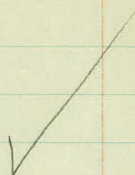
L

R

3

on bridge

on RR track



Copper Bolt NW Cor Upper Pier Wabasha Bridge

16.7
0.2
81

13.7
3.2
81

11.7
5.2
79

11.7
5.2
81

11.3
5.6
78

11.3
5.6
81

11.3
5.6
77

11.3
5.6
81

11.4
5.5
75

11.4
5.5
81

11.4
5.5
75

11.4
5.5
81

Sta	+	K	-	Elev.	Hyp. Dis
-----	---	---	---	-------	----------

16.8

Bent #11 5.1

11.7

38.5

50.0

Bent #13 5.2 16.5

11.3

52.0

39.0

33.5

13'

8'

Bent #15 5.3 16.6

11.3

11.5

34.5

41.0

Vert Angle

25° 50'

15.4

1.4

71

15.4

1.4

75

33.6

V = 16.8

H = 34.6

32° 06'

43.4

V = 20.6

H = 42.4

33° 35'

45.3

V = 20.8

H = 43.3

28° 20'

35.0

V = 18.5

H = 34.3

22° 35'

29.5

V = 13.0

H = 30.9

18.1

V = 1.6

H = 13.0

7° 10'

16.5

V = 0.00

H = 8.0

0° 17'

18.0

V = 1.40

H = 11.4

7° 20'

27.8

V = 11.2

H = 32.6

18° 57'

35.2

V = 18.6

H = 36.5

27° 06'

Sta	+	X	-	Elev	Hyp	Dis
-----	---	---	---	------	-----	-----

Pent #7	4.9	16.3		11.4		
---------	-----	------	--	------	--	--

17.5

32.0

43.0

Pent #9	5.2	16.6		11.4		
---------	-----	------	--	------	--	--

47.4

31.0

24.2

16.1

Vert Angle

$$12^{\circ} 24' \quad \begin{array}{l} V = 3.8 \\ H = 17.1 \end{array} \quad 20.1$$

$$16^{\circ} 58' \quad \begin{array}{l} V = 9.3 \\ H = 30.6 \end{array} \quad 25.6$$

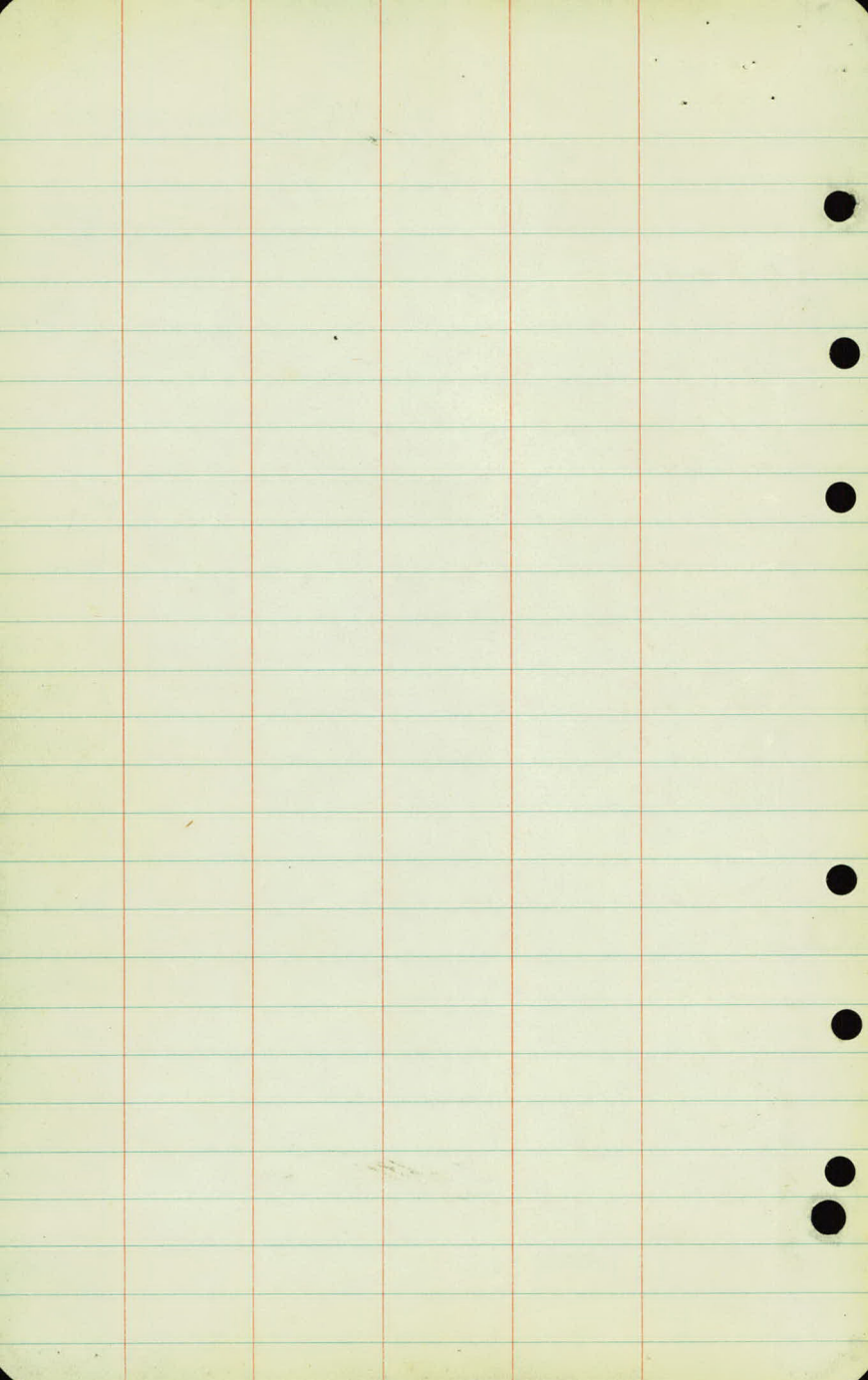
$$36^{\circ} 04' \quad \begin{array}{l} V = 23.3 \\ H = 34.8 \end{array} \quad 41.6$$

$$40^{\circ} 50' \quad \begin{array}{l} V = 31.0 \\ H = 35.9 \end{array} \quad 47.6$$

$$19^{\circ} 22' \quad \begin{array}{l} V = 10.2 \\ H = 29.2 \end{array} \quad 26.8$$

$$12^{\circ} 43' \quad \begin{array}{l} V = 5.3 \\ H = 23.6 \end{array} \quad 21.9$$

$$7^{\circ} 36' \quad \begin{array}{l} V = 2.1 \\ H = 16.0 \end{array} \quad 16.7$$



1
TRACK & Locations

By Jail Sight

A Nov 1952

FM

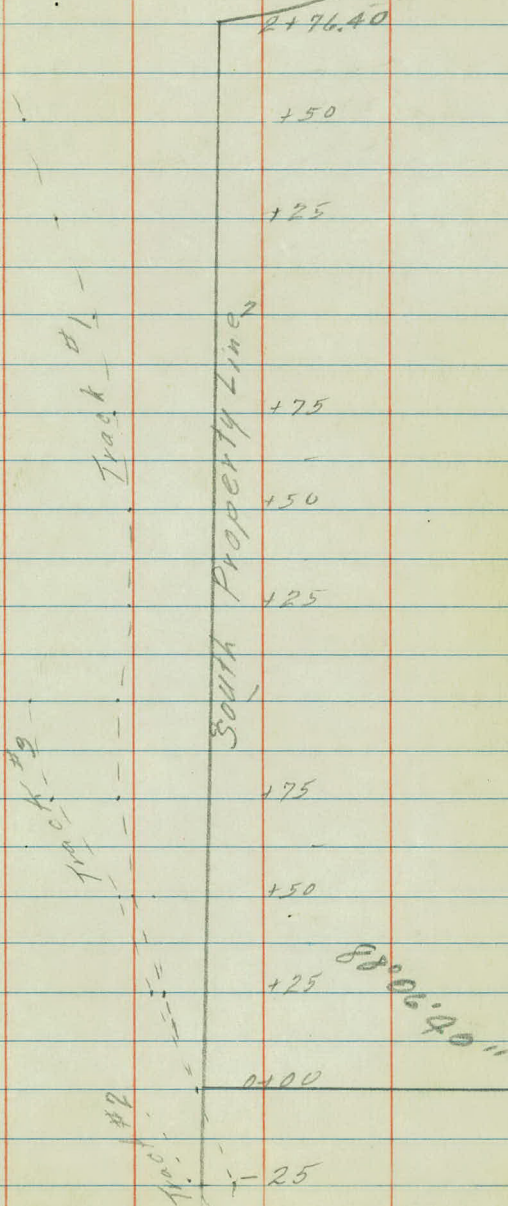
AM

LC

MB

A pages

Sta	#3 Track L	#2 Track L	#1 Track L	Tie Line	
0-25		0.55 L	1.81 R	6.7 R	
0+00			.53 L	3.9 R	
+25	2.38 L	3.22	2.45 L	1.8 R	6.8 Section
+50	4.57 L		3.89 L	0.9 R	
+75	8.07 L		4.73 L	1.0 L	
1	9.35 L		4.76	0.65 L	
+25			4.24	0.3 L	
+50			4.25	0.0	
+75			5.23	1.0 L	
2			6.39	2.7 L	
+25			8.52	4.3 L	
+50			10.61	7.0 L	



#1
Track
2

Tie
Line

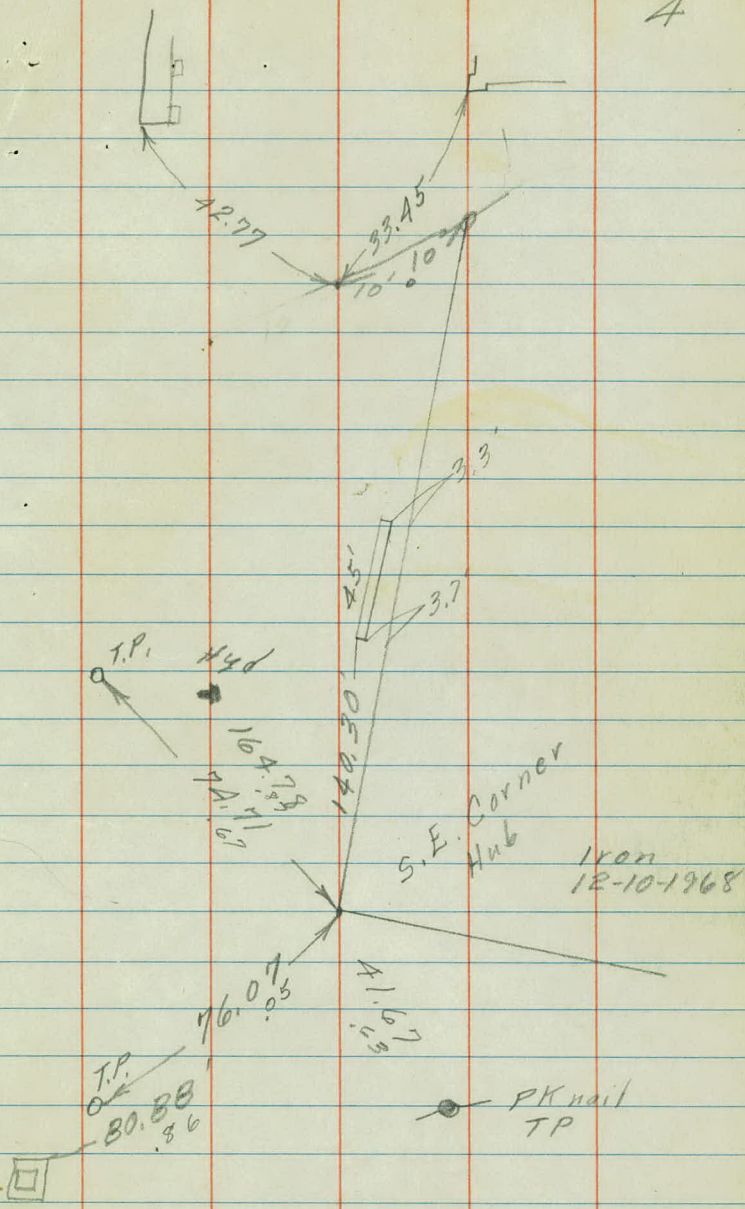
2+76.40

12.36

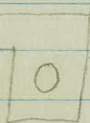
9.0 L

2+76.40 10' Left.

0+00



Bottom
Block
Loading Dock



44.24

16.26
Gon. Cone

S.W. Corner
Placed iron

12-10-68

JH

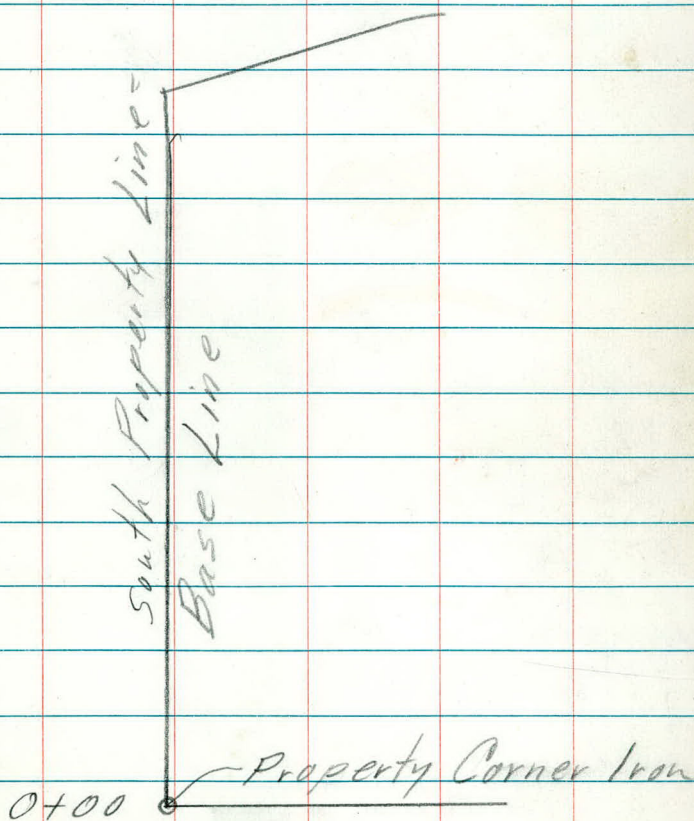
76 41
275.72
00.46

FK
LPD
DS

Jan 12, 1976

1

Adult Detention Building site SURVEY



Lecker Rod			
Sta	-	+	Elev.
BM	9.56	87.19	(96.75)
0+00		5.88	93.07
+12.5		5.96	93.15
+25 Bent th 5		6.01	93.20
+37.5		6.10	93.29
		6.13	93.32
at End of Wall		6.25	93.44
Mid Bent on Angle		6.15	93.34
2 St. Peter		6.12	93.31
x		6.43	93.62

FK
LFD
DS

Jan 12, 1976

2

Top Hyd NE Corner St. Peter & Kellogg Blvd.

Sta	Lev ker Rod		Elev
	-	+ N	
BN	5.68	88.75	94.43
Bent 23+		5.91	94.66
" 25		5.87	94.62
" +		5.83	94.58
" 27		5.74	94.49
		5.65	94.40
@ Pillar		5.58	94.33
N Side Abutment		5.34	94.09
S side Abutment		5.25	94.00
BM		9.19	97.94
BM		9.88	98.63 98.60
BM		8.00	96.75 (96.75)

FK
LPD
DS

Jan 12, 1976

3

@ Drill hole NE Corner @ 3.7' NE

7
}

Top SE Corner Bridge Abt. Pillar *

Top Watertable SE Corner Courthouse

Top Hy. NE Corner St. Peter + Kellogg

* measured 33.75' drop to base of pillar $\frac{1}{2}$
top of wall. Elev = $97.94 - 33.75 = 64.19$

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

BM	6.23	70.42		64.19
----	------	-------	--	-------

0-26				
------	--	--	--	--

0-17				
------	--	--	--	--

0-6				
-----	--	--	--	--

0+07				
------	--	--	--	--

T.P.	4.94	72.34	3.02	67.40
------	------	-------	------	-------

0-1				
-----	--	--	--	--

0+20				
------	--	--	--	--

RG
LPD
DS

2

RT

Jan. 13, 1976
cloudy 25°

4

Bottom SW Cor Bridge Abut. pillar

50.2	64.2	64.19
20.2	6.2	6.23
50	52	53
Bot. wall	TOP WALL	(BM)

✓

A1.0	49.0	64.0	66.3
29.4	21.4	6.4	9.1
48.0	51	52	70
LEDGE BOT WALL	TOP WALL		

✓

A0.9	53.7	63.9	67.5
29.5	16.5	6.5	2.9
48	52	51	76
LEDGE BOT WALL	TOP WALL		

✓

51.9	63.9	65.4	67.2
18.5	6.5	5.0	3.2
52	52	62	76
LEDGE BOT WALL	TOP WALL		

✓

TOP ROCK

54.0	63.9	67.4
18.3	2.4	4.9
52	52	77
LEDGE BOT WALL	TOP WALL	

✓

STA	+	π	-	Elev
-----	---	-------	---	------

		72.34		
--	--	-------	--	--

0+33				
------	--	--	--	--

0+46				
------	--	--	--	--

T.P	0.39	60.46	12.27	60.07
-----	------	-------	-------	-------

0+46				
------	--	--	--	--

0+20				
------	--	--	--	--

T.P	0.25	48.18	12.53	47.93
-----	------	-------	-------	-------

0+07				
------	--	--	--	--

RG
LPO
DS

2

RT

13-JAN-76
CLY 25°

5

A ^{6.1}	52.9	60.1	6A.2	66.1
	5	6	65.2	
25.9	19.4	12.2	8.1	5.6
35	45	53	52	76
LEDGE	BOT LEDGE	BOT WALL	TOP WALL	

56.A	64.0	66.1
13.9	8.3	5.6
53	52	76
BOT WALL	TOP WALL	

ON ROCK

A8.2	A8.1
12.3	11.8
32	40
LEDGE	LEDGE

AA.0	50.9
16.5	9.6
32	38
LEDGE	LEDGE

ON ROCK

A0.9	A1.8
7.3	6.4
32	39
LEDGE	LEDGE

STA	+	Σ	-	ELEV
-----	---	----------	---	------

		48.18		
--	--	-------	--	--

0-6				
-----	--	--	--	--

0-17				
------	--	--	--	--

0-26				
------	--	--	--	--

T.P.		13.69	34.49	
------	--	-------	-------	--

TBM		HI line of sight = 48.18		
-----	--	--------------------------	--	--

TBM	3.79	70.83	67.04	
-----	------	-------	-------	--

# 7+9	# 7+16'			
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# 7+9	# 7+7'			
-------	--------	--	--	--

RG
LPO
DS

2

RT

13-JAN-76
CLY 25° 6

33.4
14.8
11
11.1

38.8
9.4
42

✓

AA.2
4.0
38
LEDGE

✓

39.2
9.0
36

AA.2
4.0
38
LEDGE

✓

ON ROCK (corner Concrete)

TOP OF PLATE ON BRIDGE

N. END WALL

Top = 94.14 - 27.10 = 67.04

64.1
6.1
53 - 23
TOP
WALL 9.6
11.2
62
BOT
WALL

67.04
3.79 ✓
60.8
10.0 ✓
76
BOT
WALL

STA	+	T	-	ELEV
-----	---	---	---	------

		70.80		
--	--	-------	--	--

# 7				
-----	--	--	--	--

# 5				
-----	--	--	--	--

# 3				
-----	--	--	--	--

# 2				
-----	--	--	--	--

T.P.	0.08	59.54	11.34	59.46
------	------	-------	-------	-------

# 7	# 9			
-----	-----	--	--	--

		6		
		23.5' PL to Edge Wall		

# 7				
-----	--	--	--	--

F-K
RG
LAD
DS

#

RT

13-JAN-76
CLV 25°

7

59.6 60.7 ✓
11.2 10.1
67 77
TOP
WALL

59.6 60.7 ✓
11.2 10.1
67 76
TOP
WALL

59.3 61.5
11.5 9.3 ✓
67 76
TOP
WALL

60.2 60.0 ✓
10.6 10.8
59 61
TOP TOP
WALL WALL

ON WALL

7 PINAR

47.0 52.6 53.8
12.5 6.9 5.7 ✓
56 56 63
BOT TOP BOT
WALL WALL WALL

41.8 52.6 ✓ 54.1
17.7 6.9 5.4 ✓
56 56 62
BOT TOP BOT
WALL WALL WALL

STA	+	π	-	FREQ
-----	---	-------	---	------

		59.54		
--	--	-------	--	--

#5				
----	--	--	--	--

TP	17.00	52.48	7.06	52.48
----	-------	-------	------	-------

TP	0.19	42.62	10.05	42.43
----	------	-------	-------	-------

#5				
----	--	--	--	--

#3				
----	--	--	--	--

#1				
----	--	--	--	--

T.P.	0.00	33.61	9.01	33.61
------	------	-------	------	-------

T.P.	1.95	26.33	9.23	24.38
------	------	-------	------	-------

T.P.			11.31	15.02
------	--	--	-------	-------

BM			12.84	13.49
----	--	--	-------	-------

				13.55
--	--	--	--	-------

RG
LPD & FK
DS

RT

13-JAN-76

CLY 25°

8

52.6

6.9 ✓

56

TOP

WALL

REINFORCING BAR IN WALL

SPIKE

36.0

6.6 ✓

39

LEDGE

30.8

11.8

39

LEDGE

27.8

4.8 ✓

52

BOT

WALL

38.0

4.6 ✓

52

BOT

WALL

TOP OF STONE LEDGE

TOP DR. SILL

Top NW Cor Bridge pier footing. (West pier
of first pier south of RR tracks)

Sta	+	π	-	E/V.
BM	3.08	99.83		96.75
TPM			5.69	94.14
BM			1.86	97.97 (97.94)
BM			5.37	94.46 (94.43)

BM	1.88	16.90		15.02
BM			3.45	13.45 (13.53)

0-26

0-17

0-06

0+07

RG
LPD
PS
GAT

2

RT

Jan 14, 1976
cldy 5°

9

Top Hyd NE Cor 4 + St Peter

top parapet wall column (27.10 drop)

Top Pier Column

Drill hole SW Cor 4th Wabasha

Door sill

Top NW Cor pier footing

Lt. 2	2	8	8	RT.
12.	12.	12.	15.8	
4.7	4.7	4.1	1.1	✓
18		15	30	
			Bot. Wall	

12.3	12.2	12.8	14.8	16.9	18.3
4.6	4.7	4.1	2.1	0.0	+1.4
21		14	22	30	32
				Bot. wall	

12. ^A	12.2	13.1	16.7	20.0
4.5	4.7	3.8	0.2	+3.1
23		14	26	33
			Bot. wall	

12.2	12.0	12.9	16.1	20.6
4.7	4.9	4.1	0.8	+3.7
22		13	21	30
			Bot. wall	

sta + π - E/V

16.90

0+20

0+33

0+46

#5

#7-#5

#5

#5-#3

✓

FR
R6
LPP
BELT &
BA

Jan 14, 1976
Rt Cldy 50

10

12.1	12.0	12.7	13.7	19.7
4.8	4.9	4.2	1.2	+2.8
25		11	22	28

Bot. wall

12.2	12.1	12.7	13.0	19.9
4.7	4.8	4.2	1.9	+3.0
26		13	22	28

Bot. wall

12.0	11.9	13.8	16.0	21.4
4.9	5.0	3.1	0.0	+4.5
29		17	23	29

Bot. wall

11.0	11.8	12.3	12.3	14.0
5.9	5.09	4.6	4.6	2.9
25	MH	15	30	34

Bot. wall

10.4	11.9	12.1	12.1	12.6	14.0
6.5	5.0	4.8	4.8	4.3	2.9
29		10	22	32	35

Bot. wall

10.7	11.8	14.05	14.05	12.8	12.7	13.5
6.2	5.1	2.85	2.85	4.1	4.2	3.4
13	2	L+2	11	11	24	36

Bot. wall

10.7
6.2
26

Sta

+

π

-

E/V.

16.90

#3

#1

END

RG
LPD
DS
SA HT Q

Rt

Jan 14, 1976
P.C. 50 11

omit

omit

Sta	+	Δ	-	Elev
BM	9.47	21.28		11.81 (11.86)
BM			7.78	13.50 13.55

0+59

+84

1+10

1+36

+61

+87

FK
RG
GA

Jan 15, 1976

12.

MH at SW Cor Property

Brass Plug in Wabasha St. Bridge Pier

12.38 12.1 12.5 18.0 2 3.3

890 9.2 8.8 3.3 +2.0 ✓

11 Rail 15 23 30 wall

12.44 12.1 13.5 15.7 20.7 20.6

884 8.9 7.8 5.6 0.6 0.7 ✓

13 Rail 10 20 26 32 wall

12.3 12.4 13.6 20.1 22.1 ✓

90 8.9 2.7 1.2 +0.8

17 17 26 30 wall

12.1 12.4 13.5 16.7 19.8 21.8

92 8.9 7.8 4.6 1.5 +0.5 ✓

20 13 22 27 29 wall

11.9 12.4 13.0 15.2 18.8 20.7

94 8.9 8.3 6.1 2.5 0.6 ✓

21 18 25 29 31 wall

11.6 12.4 12.2 15.5 ✓

97 8.9 9.1 5.8

21 9 27 wall

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

2+12		21.28		
------	--	-------	--	--

2+38				
------	--	--	--	--

+64				
-----	--	--	--	--

--	--	--	--	--

FK
RG
GA

Jan 15, 1976

13

11.4 11.8 12.3 14.1 16.5

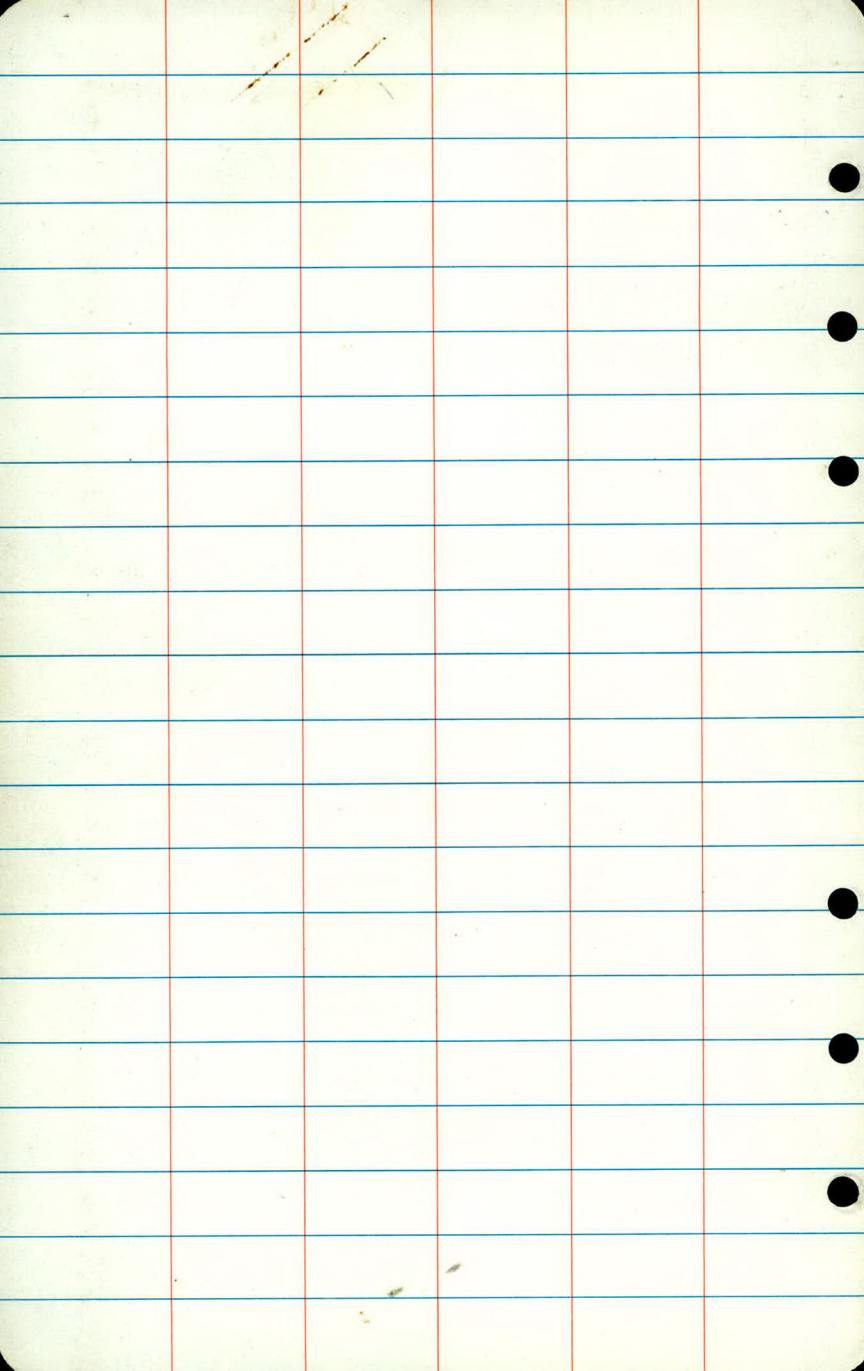
9.9 9.5 9.0 7.2 4.8 ✓
20 11 24 28
wall

11.2 12.2 12.6 14.2 17.3

10.0 9.1 8.7 7.1 4.0 ✓
21 18 27 34
wall

11.1 12.0 12.3 12.4 15.4

10.1 9.3 9.0 8.9 5.9 ✓
21 12 30 53
wall



P.B.M. 67 - At St. Paul, Ramsey County, on the left bank of the Mississippi River, in the shore pier of the Wabasha Street bridge, in the northwest corner of the upper pier and 6 inches from the bridge-seat stone. The top of a copper bolt leaded vertically in the pier and surrounded by the letters "US PBM" out in the stone.

Meters 215.694
Feet 707.656

694.58

13.076

13.08

1348

city datum
13.55

13.55

Forsberg = To 0985
14055 cards

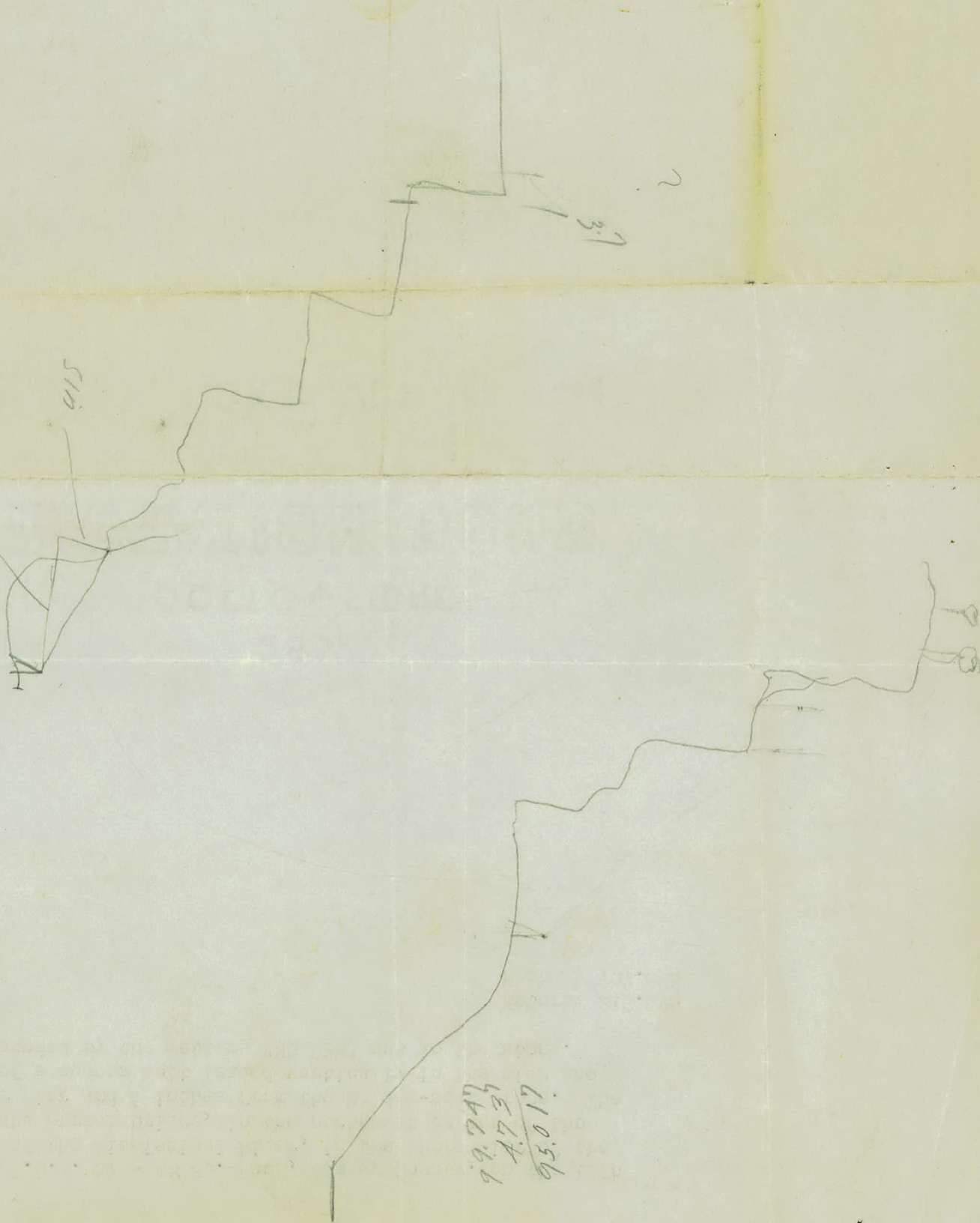
94.8
26.7
68.1

57.26
 3.7
 20

 80.96

Jail Site

Cos. of L X dist



B.M. 98.597

d.E. corner of Court House Bldg.

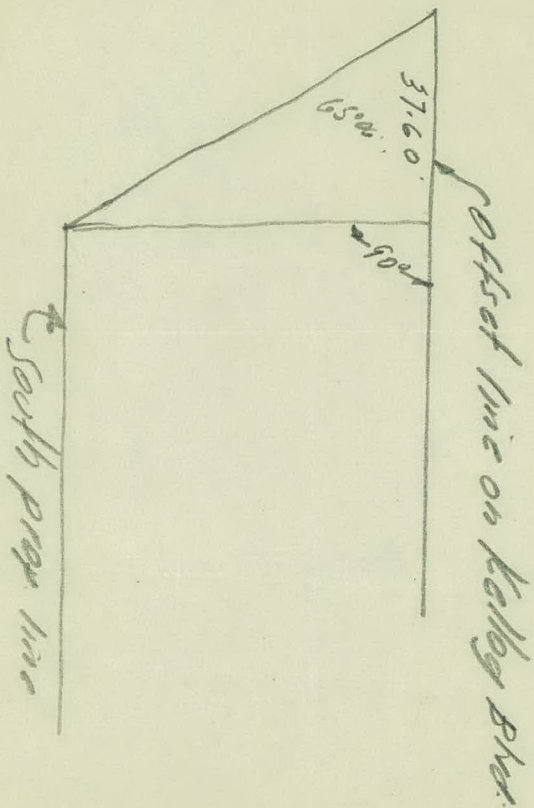
top of water-table (approx. 4' high)

B.M.

5.5	6
5.5	6
5.6	4
5.6	3
5.2	2
3.2	0
0.2	0

207
485

31.55



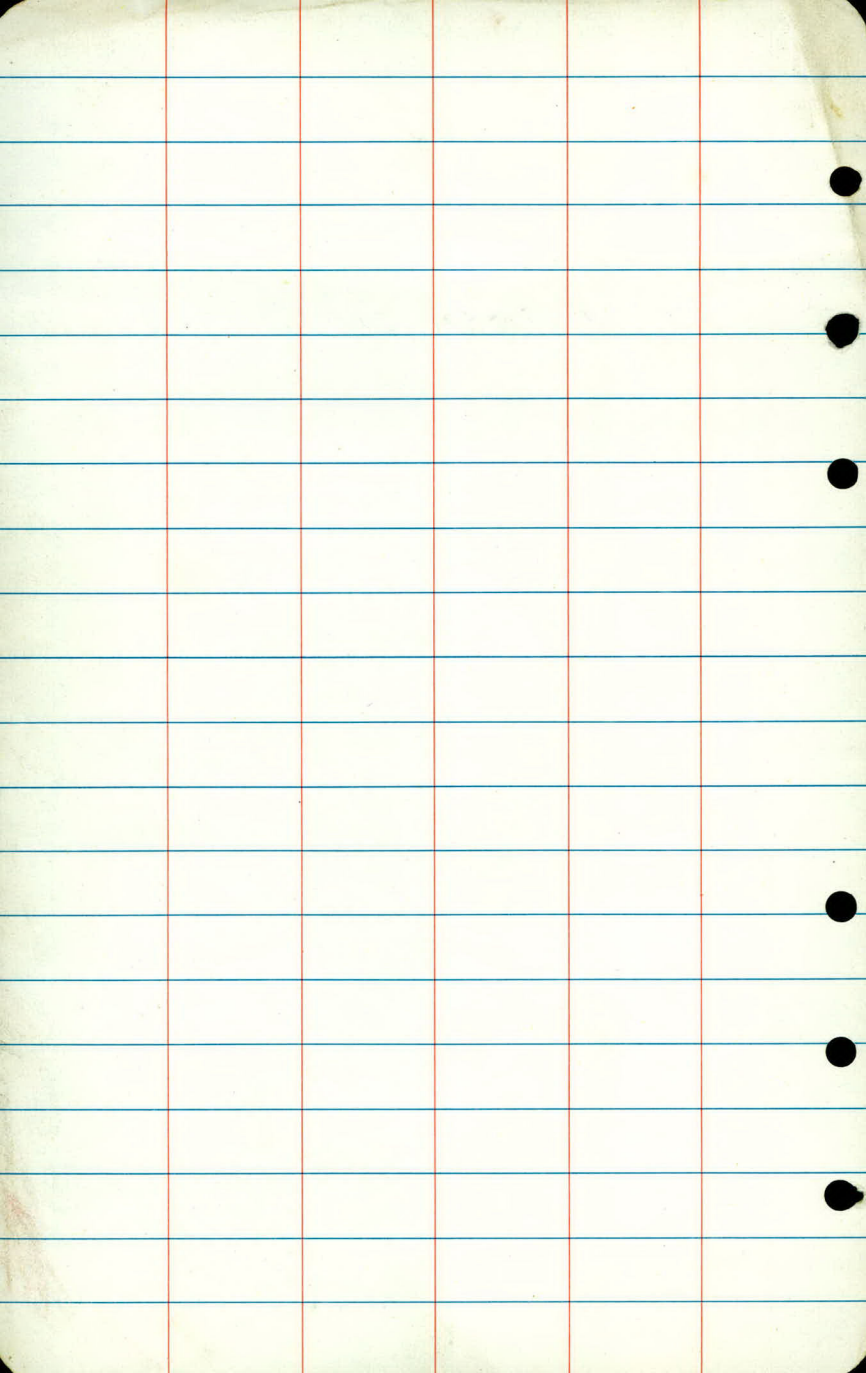
SPRING STREET

alternate

Easement

to

ADULT DETENTION CENTER



FK

Feb 11, 1976

2

Alineament

Sta	Point	ΔL	ΔR
+50			$3^{\circ}01'41''$
4			$2^{\circ}26'50''$
+50			$1^{\circ}51'59''$
3			$1^{\circ}17'08''$
+50			$0^{\circ}42'17''$
2			$0^{\circ}07'25''$
1+89.35	P.C.		$0^{\circ}00'$

0+00 East property line Eagle St.

FK
RG
JA

Feb 11, 1976

3

$$\Delta = 10^{\circ} 34' 09''$$

$$R = 2465.86$$

$$\text{Arc} = 454.87$$

P. K. nail

N $56^{\circ} 07' 53''$ E
189.35'

S $28^{\circ} 44' 17''$ E
250.59

3 N ϕ - 48.02
PP ϕ

P. K. nail

ctr.
MH O 24.45

67.06

Small Pipe
to Base
Signal

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

6+80.62	POT		
---------	-----	--	--

6+45.16	P.I.		
---------	------	--	--

4	21.5		
---	------	--	--

6	45.16		
---	-------	--	--

+44.22	P.T.		
--------	------	--	--

		5°17'04.5"	
--	--	------------	--

6			
---	--	--	--

		4°46'15"	
--	--	----------	--

+50			
-----	--	--	--

		4°11'24"	
--	--	----------	--

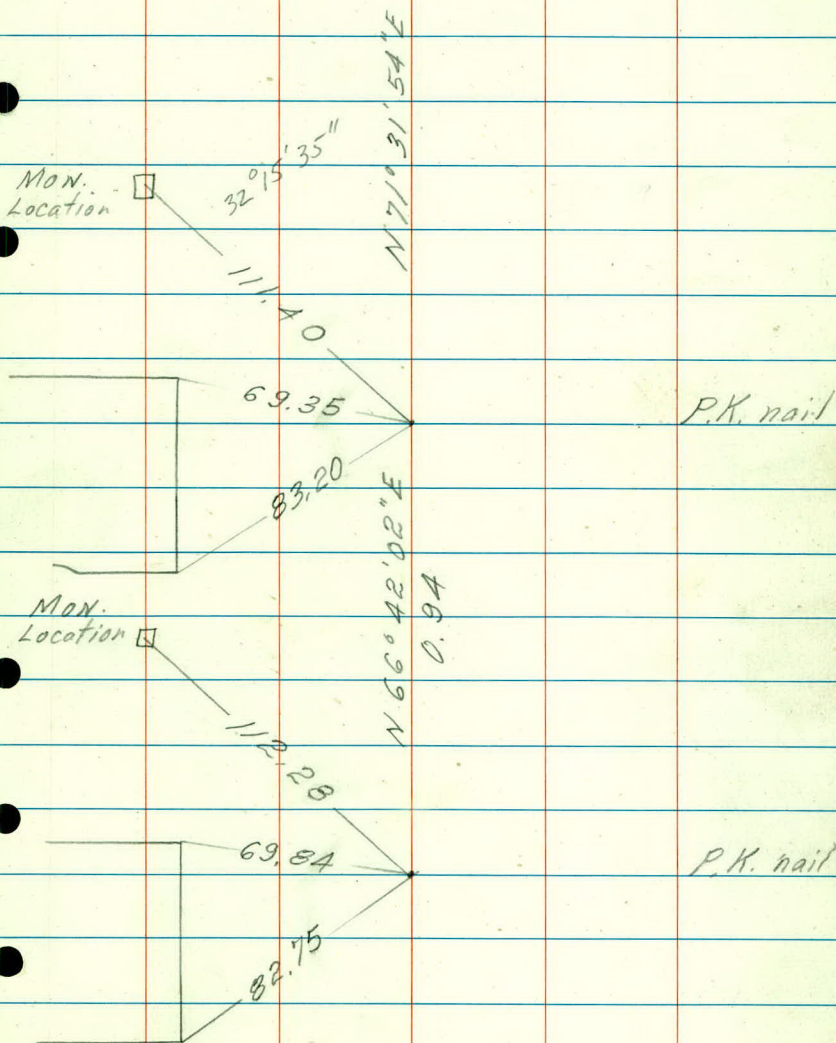
5			
---	--	--	--

		3°36'33"	
--	--	----------	--

FK
DS
JA

Feb. 11, 1976

4



Sta.	Point	ΔLt	ΔRt	Defl
------	-------	-------------	-------------	------

16+02.59	POT			
----------	-----	--	--	--

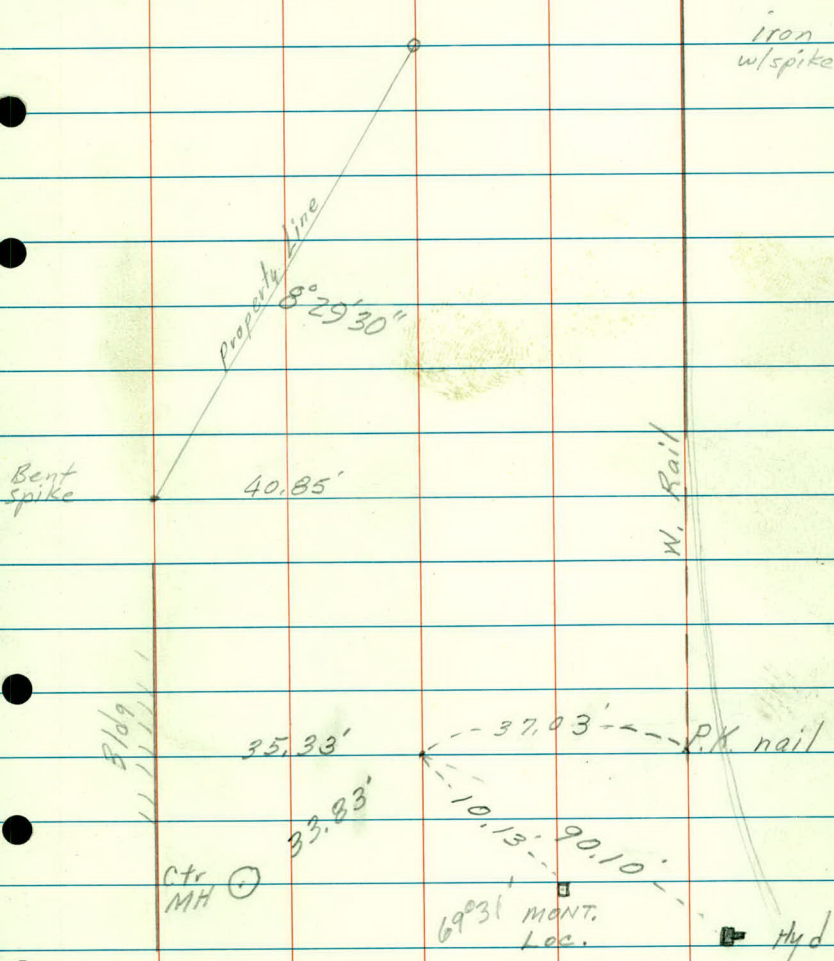
13+25.50				
----------	--	--	--	--

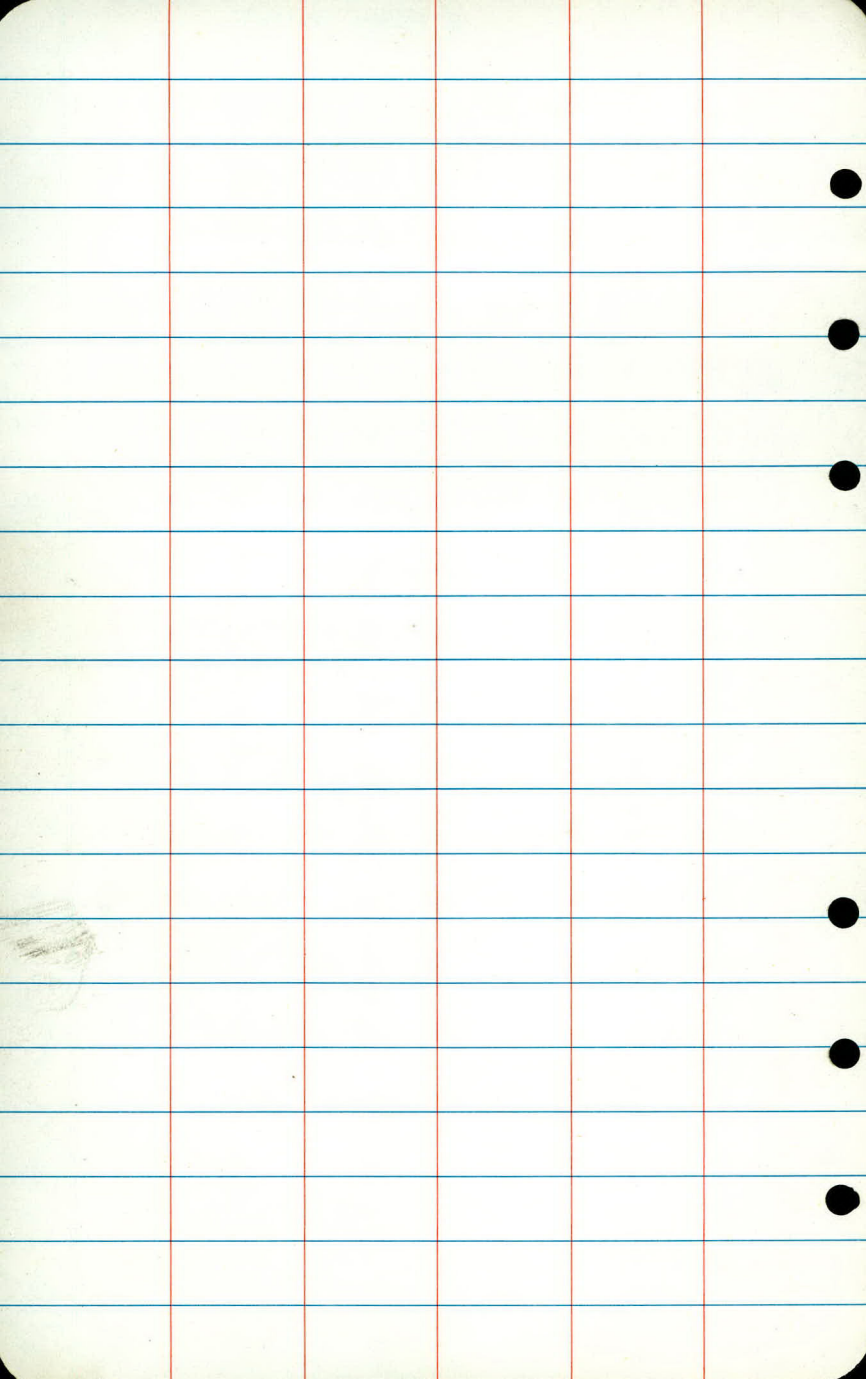
10+66.66	P.I.		$1^{\circ}10'50''$ Present	End of Easement.
----------	------	--	-------------------------------	------------------

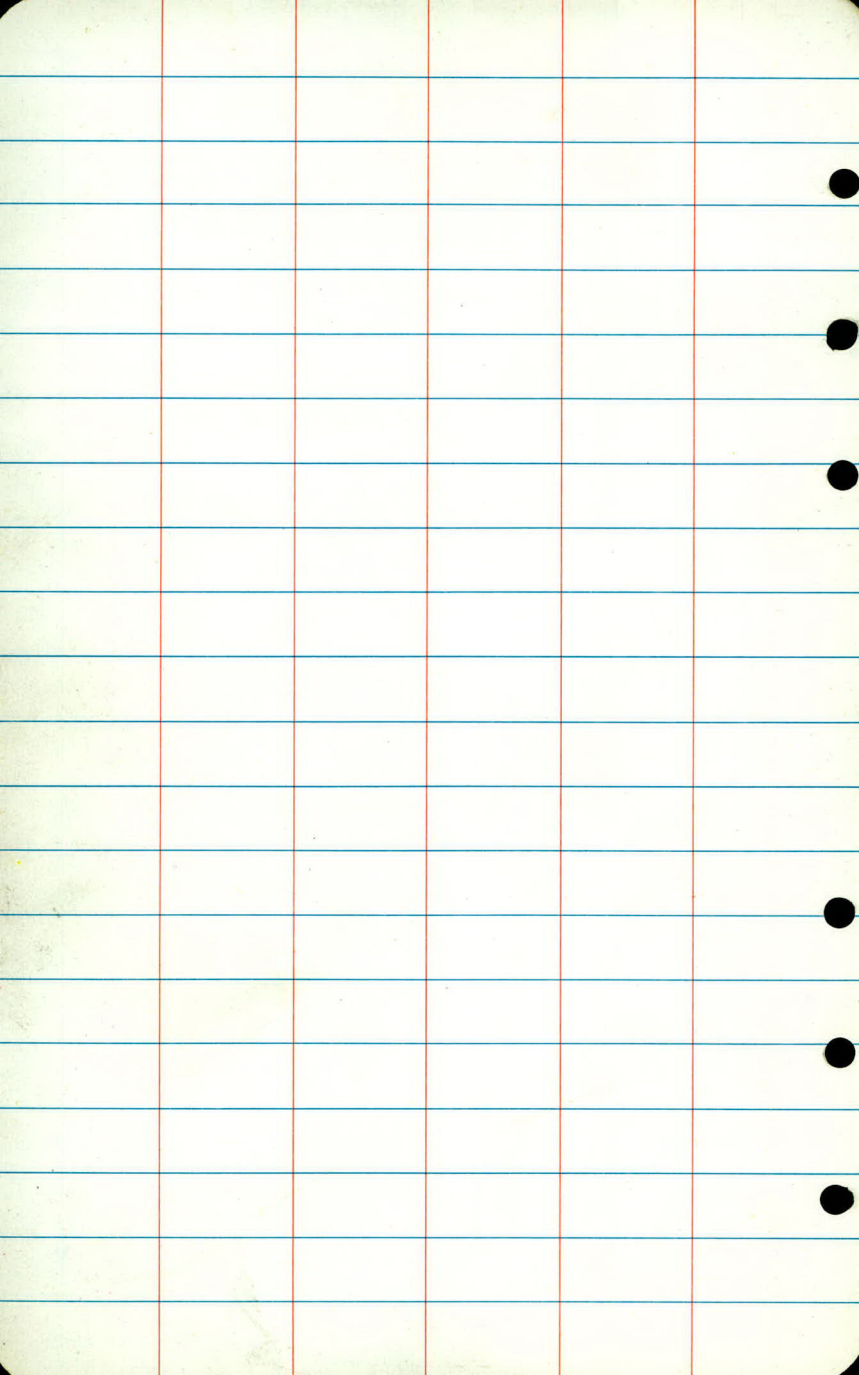
FK
DS
JA

Feb, 11, 1976
♀

5







Topography

2

Lt

2

Rt

Bit
5 17

too = RR tracks

(25.4 - 30.1) (37.8 - 42.5)

(49.7 - 54.4) (64.2 - 68.8)

(78.3 - 83.0) (92.9 - 97.6)

Bit

4 17

+16 Pt. of Frog
41.8

24.8 29.4

37.0 41.8

40.1 44.8

72.2 76.9

58.1 62.8

+38 switch
37.0 - 41.8+05 Bit
4Bit Por
8

25.1 - 29.8

52.6 - 57.3

Bit
18

36.9 41.6

66.8 - 71.5

-0402 MH
879.7 - 84.9
Extra

0+00

FK
DS
JA

Lt

RG
LPD
DS
JA

Feb 11, 1976
Feb 16, 1976
clay 35° Rt

8

0
MH

LT

E

RT

+50

$$(97.4 - 102.3)$$

$$(69.2 - 73.9) (83.4 - 88.1)$$

$$+24 \frac{MH}{11}$$

$$B, 7 (40.7 - 45.4) (54.0 - 58.7)$$

4

$$722 + 100 = RR (27.9 - 32.6)$$

+50

$$(97.0 - 101.7)$$

$$(67.9 - 72.6) (82.1 - 86.8)$$

$$B, 7 (40.1 - 44.8) (53.3 - 57.9)$$

3

$$517 + 100 = RR (27.2 - 31.9)$$

+50

$$(78.3 - 83.0) (92.9 - 97.6)$$

$$(49.7 - 54.4) (64.2 - 68.8)$$

2

$$+100 = RR (25.4 - 30.1) (37.8 - 42.5)$$

RG
LPD
DS
JA

LH

Q

Feb 17, 1976 9
clay 35°
RT

MH O

LT

Z

RT

7

Bit
5 2 6

+100 RR (25.9-30.6)

(31.7-36.4) (44.6-49.3)

(59.0-63.7) (73.3-78.0)

SW Cor Bldg

+75 66 RT +69

(87.8-92.6)

+50

(94.4-99.1)

(66.2-70.9) (80.4-85.1)

SW Cor Bldg

6 +100 73-93 RT +54

Bit

3 19 +100 = RR (25.1-29.8)

↓
Steel
Bldg

+50

(96.4-101.1)

(68.5-73.2) (82.7-87.4)

CB
+20 25

Bit 4 (39.8-44.5) (53.4-58.1)

5

7 19 +100 = RR (26.9-31.7)

4 +88 SW Cor Steel Bldg
103

RT = +82

+50

RG
LPD
DS
JA

Feb 17, 1976
Cldy 35°

10

Lt

L

Rt

Brick Bldg.

Steel Bldg.



Lt

R

Rt

+50

(71.5-76.2)

Bldg
63

+50

9

(43.2-47.8) (57.3-62.0)
Bit
15 +50 RR rails (28.3-33.0)

Cor Conc. blocks

+50 52 Rt = 44

+50 Cor Brick Bldg
71+50 Bit
15

(46.0-50.7) (60.2-65.0) (74.2-78.9)

+54 Switch +54 RR = (31.5-36.2)
26.58 +50 Bldg Pkg area Bit
56.2 14-56.2 14 17(50.4-55.1) (64.7-69.5) (78.8-83.5)
+50 RR = (31.9-36.6) (35.5-40.3)+77 Switch +73 Rt off frog
27 36.2RR
rails
+50

(82.6-87.3) +43 93

(53.9-58.6) (68.3-73.0)

(39.8-44.5)

(28.9-33.6) (30.0-34.7)

+50

End Fe

+17 8

Brick
Cor Bldg

+30 92 Rt = +20

Pt. of frog

+09 31.1
rails7 +50 Pkg lot Fe Bit
8 +50 7 5 18

(26.0-30.7) (31.8-36.5)

(44.7-49.4) (59.1-63.8)

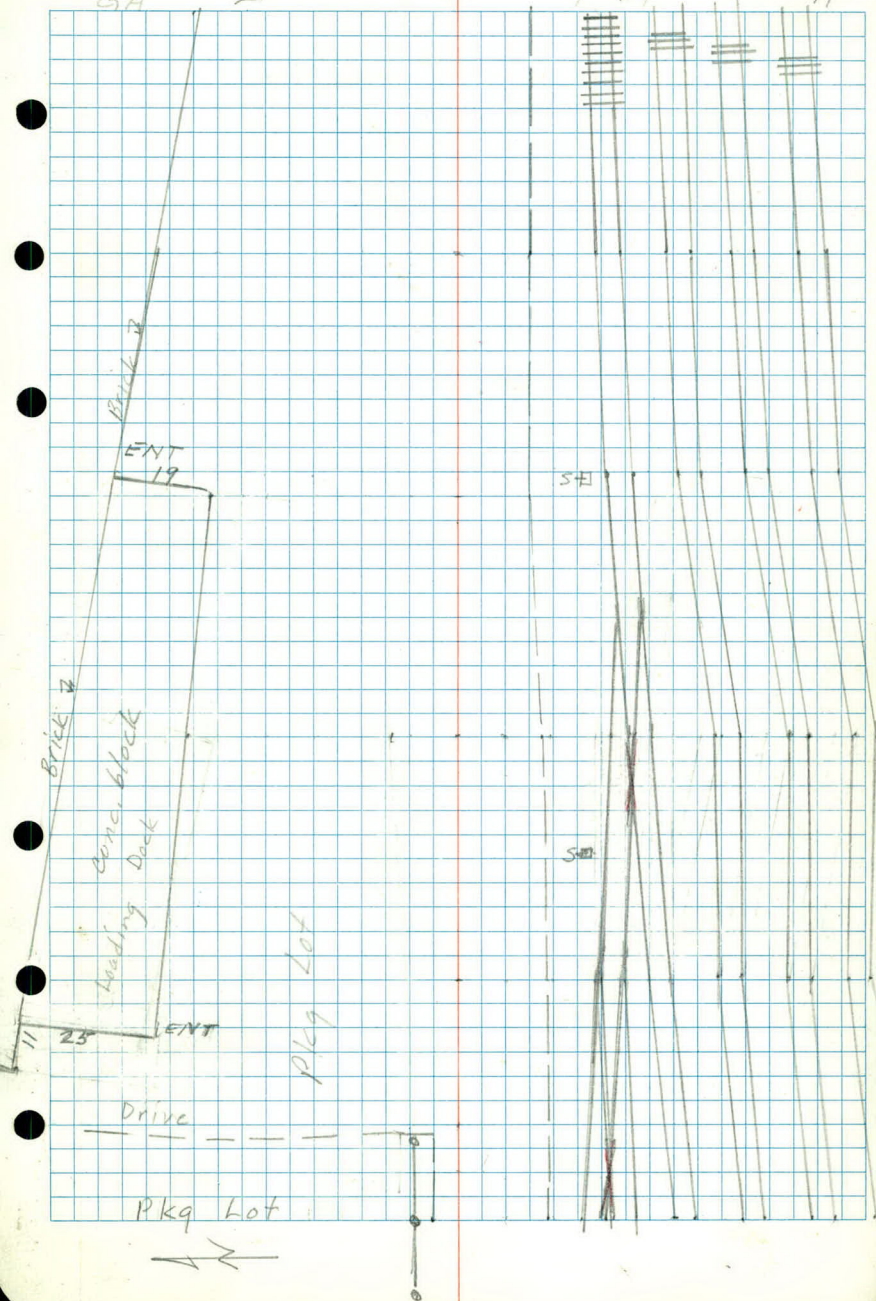
(73.5-78.2) (88.0-92.7)

Feb 13, 1976
cldy 25°
Rt

24

Q

11



12	LT	2	RT
+00	Dock <u>26.8</u>	Bit 20	RR = (21.1 - 25.9)(35.4 - 40.1) (49.6 - 54.3)(57.9 - 62.7)
	(6.0 - 1.2)		

	RR
+48	<u>18</u> +50 (7.1 - 11.8)

	Cor Bldg	
+39	<u>25.6</u>	RT +36
+39	dock edge <u>33</u>	

	RR	Bit	
11.	+00 <u>30.6</u>	22	RR = (51.6 - 56.3)(64.2 - 68.9) (23.0 - 27.8)(37.4 - 42.2)
	(12.5 - 17.2)		

(67.6 - 72.3)

	Bldg
10	+00 <u>46.7</u>

	Bit	
16	+00	RR rails = (39.2 - 44.0)(53.4 - 58.1) (24.7 - 29.4)

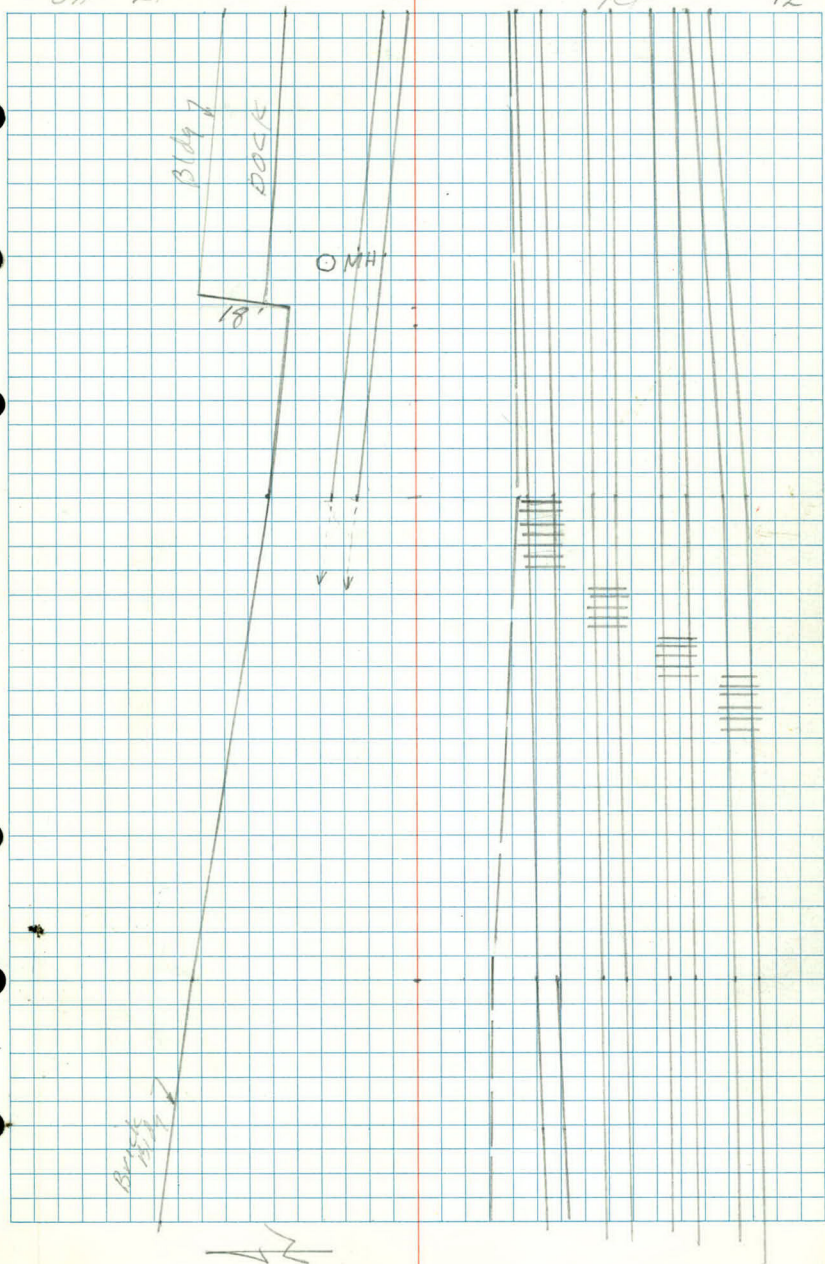
+50

RG
DS
GA
GA

Lt

Feb 13, 1976
cldy 25°
Rt

12



Lt

L

Rt

cor sign

+11 ^{frog}
17.2+18 202

100-RR tracks (33.1-37.8) (47.1-51.8)

14

(3.6 -1.1) (11.6-16.3) (17.7-22.4)

unused
RR

tor (11.2-6.5) +28 40

MH

switch

+29 55

Bldg

(33.9-38.6) (48.2-52.9)

13 +00 36.2 RT+12

cor Bldg

tor rails ^{RR} (unused) (3.0-7.7) (19.3-24.0)+91 18.2-24.9+95 End Bit

DOCK

+50 22.4 ±+50 (5.6-10.9) (1.0-3.2) ^{RR}

frog

+32 53.8

12

RG
DS
GAuge

H

Feb 13, 1976
cldy 25°
Rt

13

SIGN

MH

BS

BLDG
DOCK



2

RT

LT

(12.4-17.2) (29.7-34.4) (43.7-48.5)

+98 $\frac{\text{£ Pier Flg 9x9}}{60}$

+88 $\frac{\text{Switch}}{8}$

+46 $\frac{\text{PP}}{59}$

+53 $\frac{\text{£ Pier 9x9}}{66}$

+37 $\frac{\text{PP}}{21}$

+11 $\frac{\text{Pl. of Prog}}{14}$

RR
too Tracks (30.7-35.4) (44.7-49.4)

16

+02.59 $\frac{\text{Iron}}{\text{£}} (8.1-12.8) (14.1-18.8)$

TW 6" Ash

+46 42

6" 412"

TW Cott

+06 45

(31.9-36.6) (45.9-50.6)

15

too-RR Tracks (0.3-5.0) (15.9-20.6)

+81 $\frac{\text{Switch}}{12}$

Car Sign

+63 15

14+50

RG
DS
G Ange

Lt

E

Feb 13, 1976
cldy 25°
Rt

14

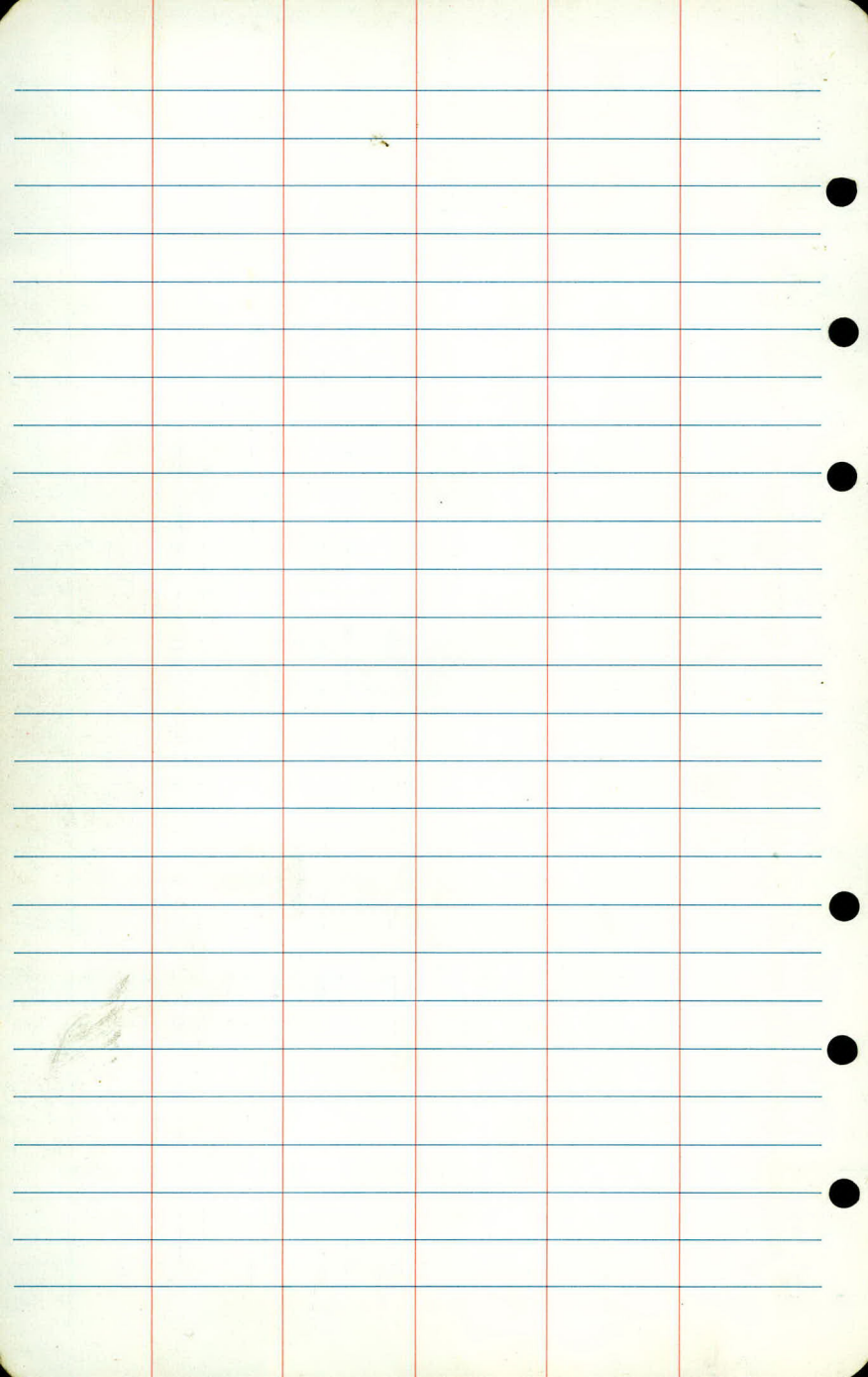


Iron



S-B





FK
LPD
DS
JA

May 5, 1976
Overcast 60°

14

Curve deflections of side Track

108

185 16 35

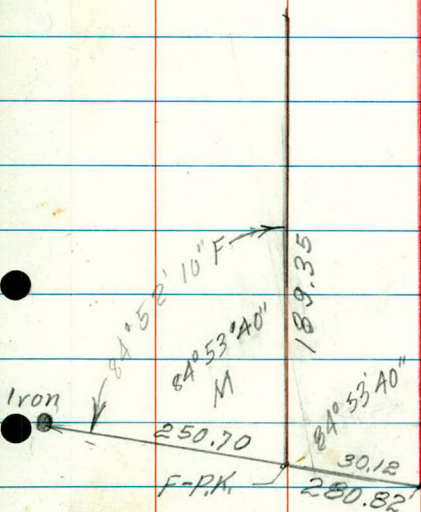
0+00

N. Line Eagle St.

FK
LPD
DS
JA

May 5, 1976
61°

15



Sta Point ΔL ΔR

+40.53 P.T.

$5^{\circ} 16' 35''$ $5^{\circ} 16' 35''$

10 33 10

6

$4^{\circ} 47' 59''$

+75

$4^{\circ} 30' 21''$

+50

$4^{\circ} 12' 42''$

+25

$3^{\circ} 55' 04''$

5

$3^{\circ} 37' 25''$

$\Delta = 10^{\circ} 33' 10''$

+75

$3^{\circ} 19' 47''$

+50

$3^{\circ} 02' 08''$

$D = ?$

+25

$2^{\circ} 44' 30''$

A+16.85 P.I

$T = 224.96'$

4

$2^{\circ} 26' 51''$

$L = 448.64'$

+75

$2^{\circ} 09' 13''$

+50

$1^{\circ} 51' 34''$

$R = 2435.86'$

+25

$1^{\circ} 33' 56''$

3

$1^{\circ} 16' 17''$

✓

+75

$0^{\circ} 58' 39''$

+50

$0^{\circ} 41' 00''$

+25

$0^{\circ} 23' 22''$

2

$0^{\circ} 05' 43''$

1+91.89 P.C.

$0^{\circ} 00'$

FK
LPO
GA

May 7, 1976

16

$1^{\circ} 10' 34'' / 100'$

$17' 38.493'' / 25'$

$.705662 / 4$

65.40

$.640.53$

7405.93

191.89

220.96

416.85

191.89

448.64

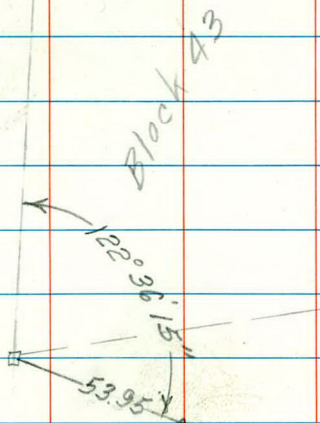
640.53

Sta	Point	Δ Lt	Δ Rt
7+05.93	P.I.		$3^{\circ}38'35''R$

FK
LPD
GA

May 7, 1976

17



191.89

189.35
2.68
192.03

Spike

65.40'

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

+08.83 P.T.

$0^{\circ}40'45''$ $\Delta = 1^{\circ}21'30''$

11

$0^{\circ}36'47''$ $D = 1^{\circ}30'$ Arc

+75

$0^{\circ}25'32''$

+10+63.55 P.I.

$T = 45.28'$

+50

$0^{\circ}14'17''$ $L = 90.56'$

+25

$0^{\circ}03'02''$

+10+18.27 P.C.

$0^{\circ}00'$ $R = 3819.72$

FH
LPD
GA

May 10, 1976

18

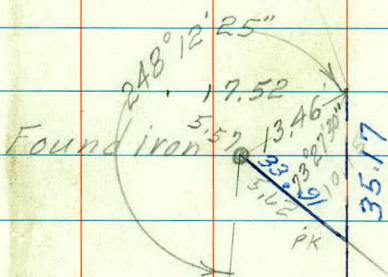
$0^{\circ} 11' 15'' / 25$

$0.45' / ft$

245' to 251' 51"

200'

358 38 25
10 21 35

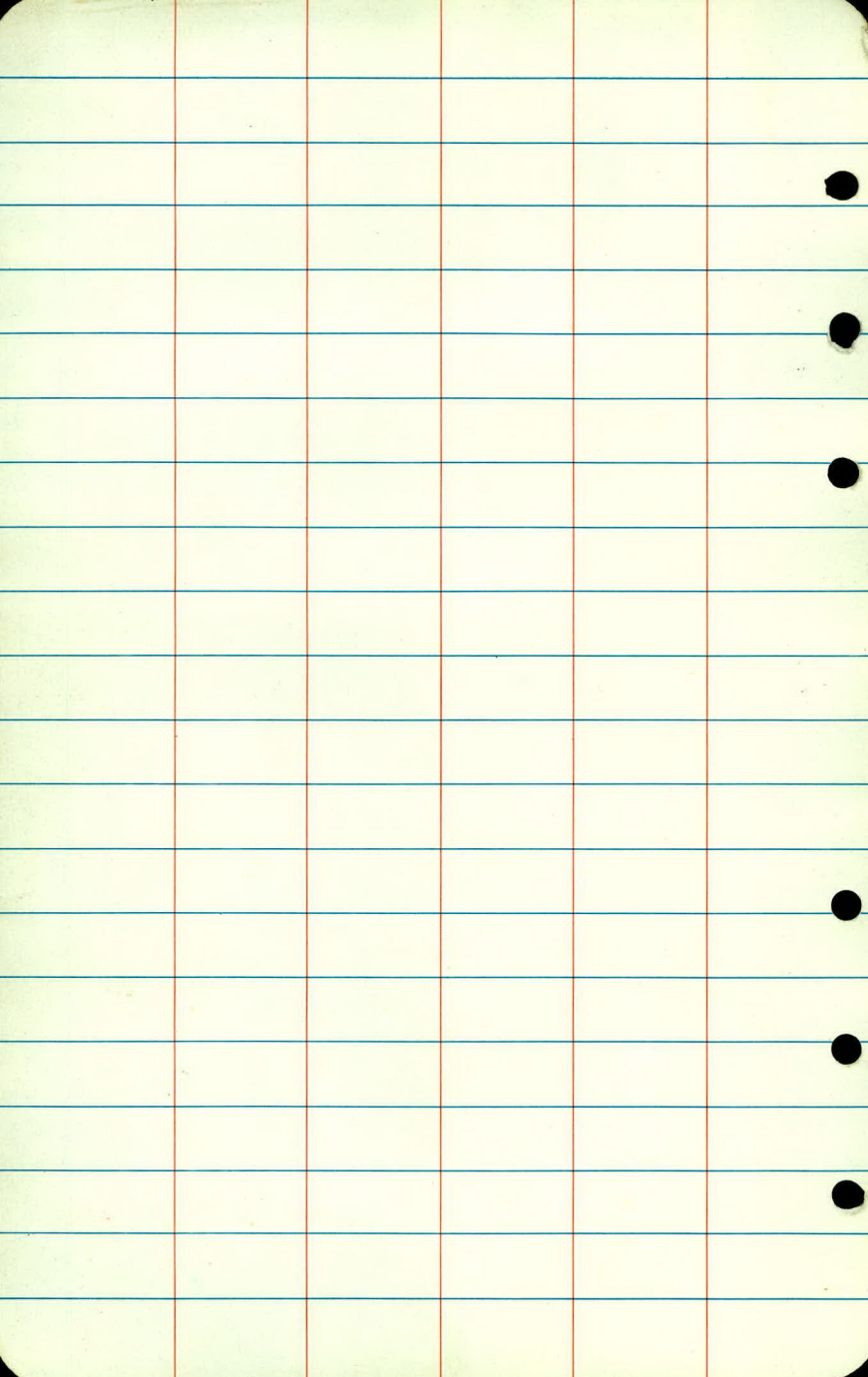


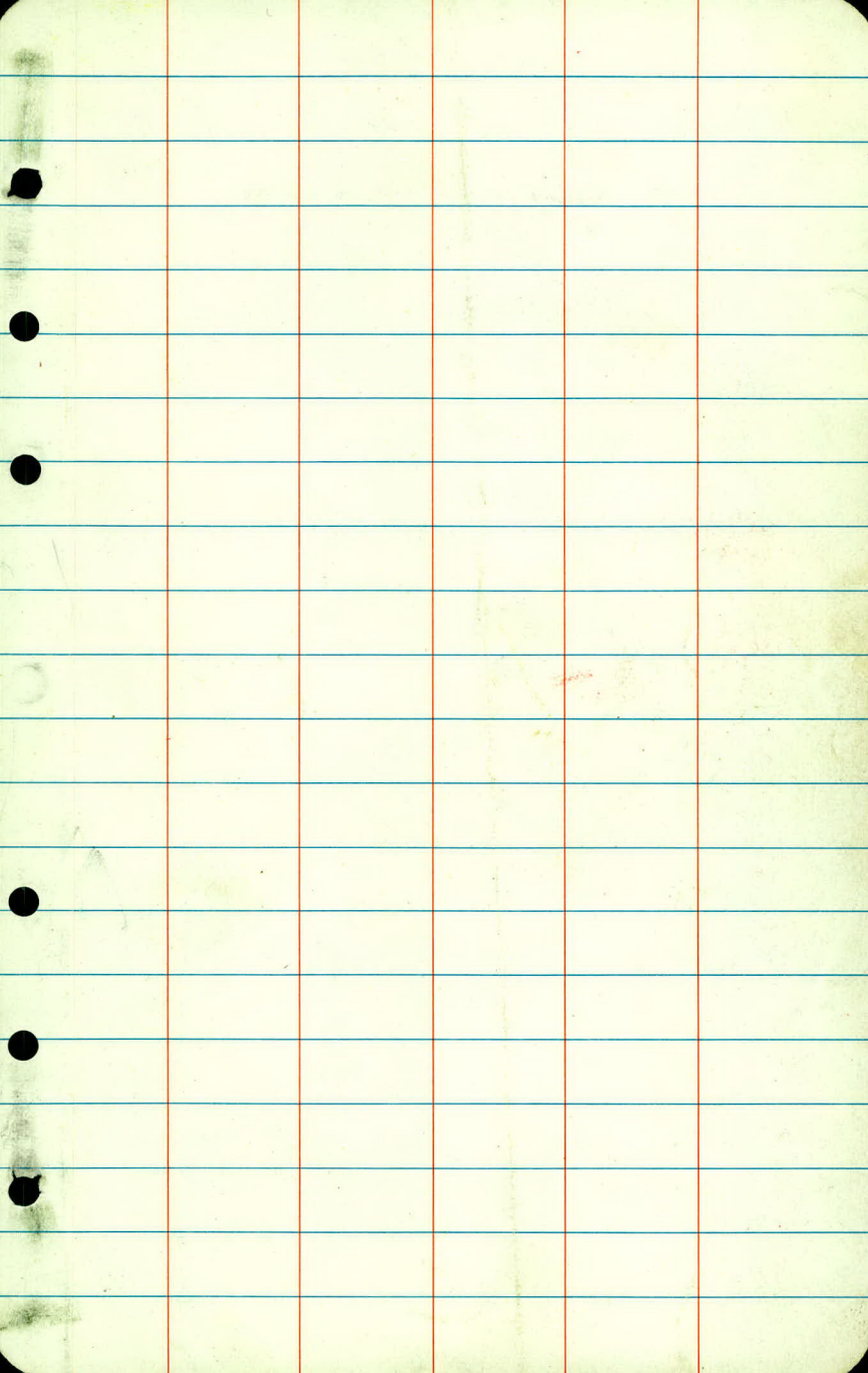
PK nail

Block 43

22° 25' 47"

357.62
- 45.28
312.34





Vacation

C.F. 264 737

Spring Street

Rt Angle from
most easterly point

1969265

20

20

20