

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

NORTH ST. PAUL RD.

From White Bear To Ripley

Road Acc't. No. 29

Date Filed 6-8-61

DR. 9
File BK 39

RG
JS
JL
FS

April 16, 1961.
cloudy 33°-38°

1

Plan Survey

No. St. Paul Road

from Intersection of White Bear Ave
to Ripley St.

Note: 4+41.80 @ W.B. Ave. = 0+00 No. St. Paul Road
@ extended

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Mandole Info	" 35
Soils =	Soils File

Sta	Point	Defl	ΔL	ΔR
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17+11.96	POT			
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17+00	End of survey			
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13+50 ±	± Ripley St.			
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B+56.21	P.O.T. @ Van Dyke (Curbs)			
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4+14.98	POT			
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0+00				
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			50°14' RT	
--	--	--	-----------	--

RG
JS
JK
FS
WM

April 7, 1961
PC 30°

2

PP DISC -- 28.70 -- PK Nail
PP DISC -- 36.97 -- PP DISC

PK Nail
9-14-67

White Bear Ave.

PP 3N -- 42.94 -- PK Nail inline w/ west side of
48.39 -- PP 3N

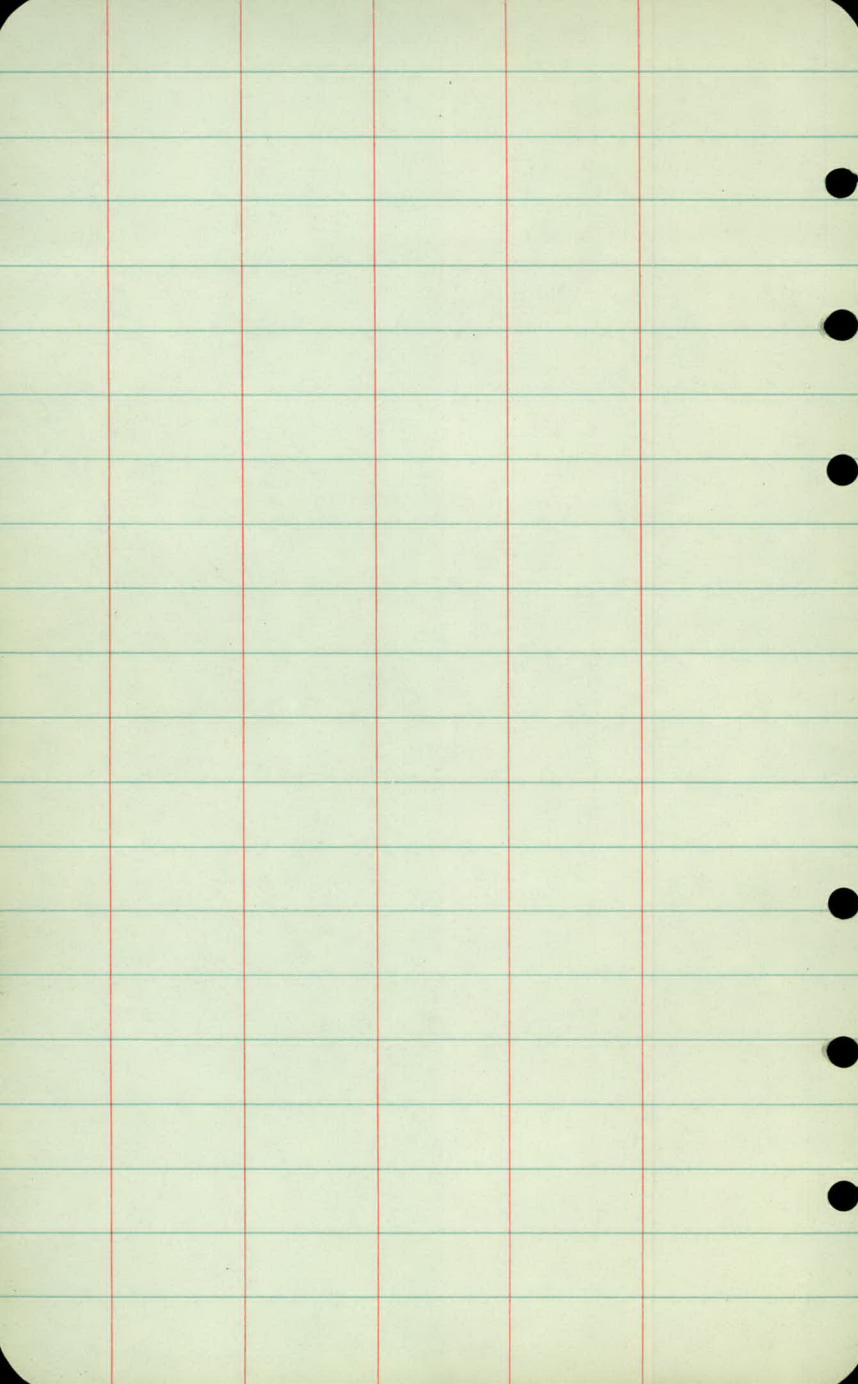
Ho
#1814
1-3-5

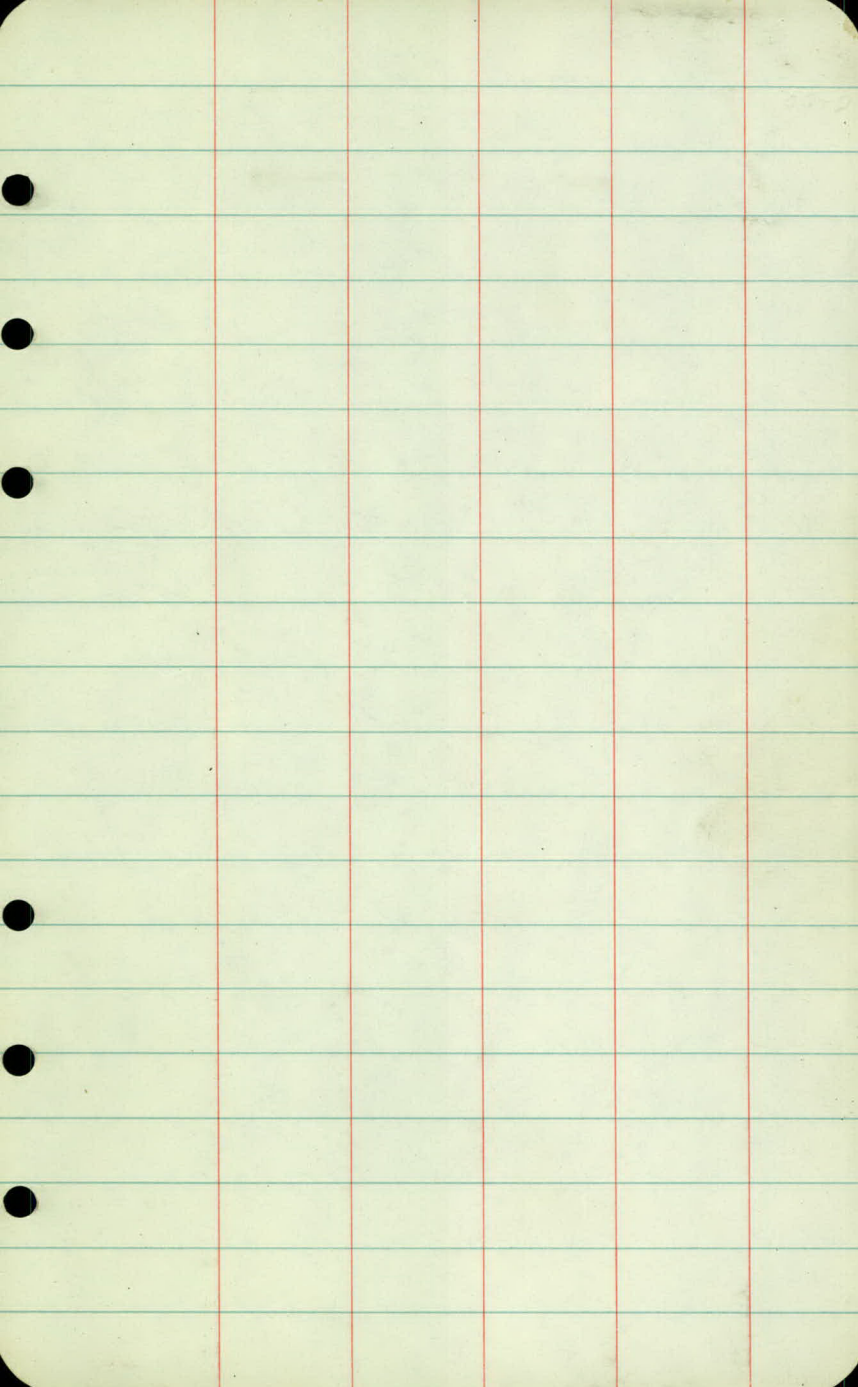
N

50°15'00"

PK Nail Ext. E No. St. Paul Rd
E White Bear Ave.

to Mont SW Cor S 1/4 T 29 R 22





Sta Point Δ Lt Δ Rt

2+43.31	RT	6° 00'	$\Delta = 12^\circ$
7		4° 42'	$D = 6^\circ$
+50		3° 12'	$T = 100.41$
6		1° 42'	$L = 200.00$
+50		0° 12'	$R = 955.37$
1+43.31	P.C.C.	19° 07'	chord
5		16° 56'	
+50		14° 25'	$\Delta = 38^\circ 14'$
4		11° 53.5'	$D = 10^\circ 05'$
+50		9° 23.0'	$T = 197.17$
3		6° 51.0'	$L = 379.17$
+50		4° 20.0'	$R = 568.85$
2		1° 48.5'	chord
1+64.14	PC	0° 00'	

FK
JL
WM
L Borg

May 8, 1961

2

RAMSEY
FAIRGROUND

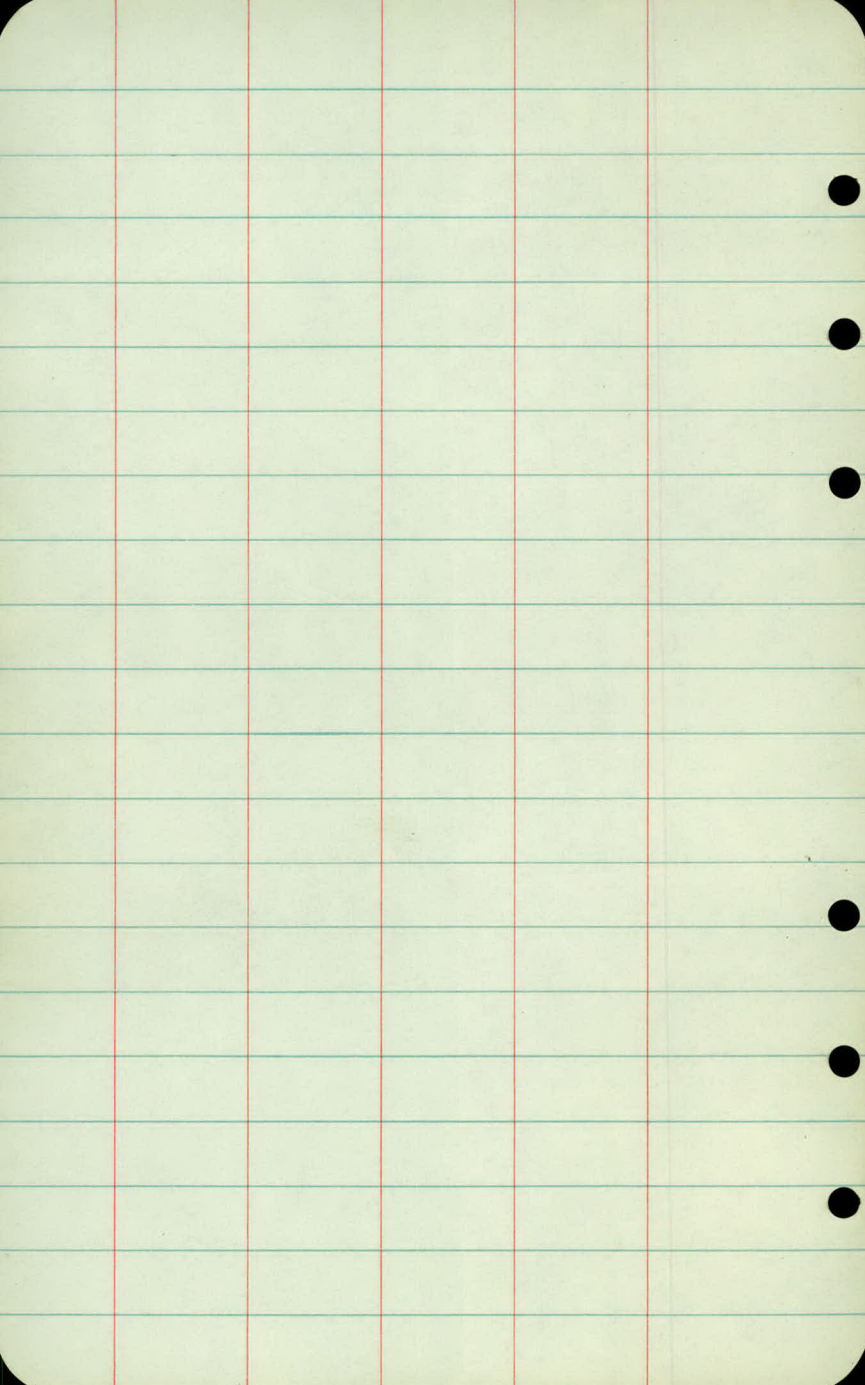
100.41 PI

197.17

118"

13.55 @ 18" Elm Bolt

16" Elm 8.19



No. St. Paul Rd. = 3893-

W. Mt. Bear Ave. = 11,108 = 1960

" No. of No. St. Paul Rd. = 7231 =

Traffic Count

RG
JS
JL
WM
FS

April 7, 1961
P.C. Fair

3

Topography

No. St. Paul Rd. from
White Bear Ave. to Ripley St.

LT RT

Conc	Ent Rad.	PP	Life Pole	BT
+50 10	+50 53	+50 29	+49 52	+50 25
		Curb	Conc	
		+50 50-53	+50 12	

N/E Cor Station oil drain Pole

+18 74	RT+33 72	BT	Conc
		+100 31	+100 17
2+00	Conc 6	sewer MH	Curb
		+100 48	+100 55-57

Pt. on Service Sta (end radius)

+87 69	
Pt. on so. edge Station	P.D. Service Sta
+71 86	+77 74

	Conc		
+56	+56 2		
So edge Pump Island	No edge Pump Island	Edge Conc	Curb
+56 47	+66 50 (1'x3' 2 Pump)	+50 25	+50 63-65
		Conc R.O.B.	BT
		+50 2	+50 41

S edge Pump Island No. edge Pump Island (10'x3' 2 pumps)

+38 73	+46 80
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	Curb	PP
2+00	+100 76-78	+17 49
	Edge Conc	E. Conc
	+100 14	+100 39
	BT	
	+100 54	
	P.O. Curve	Sign-w. pillar (2'x2')
	+86 86	E. Sign pillar (2'x2')
		+88 95
	ER	POR
	+64 27	+76 8
		End Rad
		+60 28
	Conc Post	Conc Post
+77 8	+81 12	+84 15
	3'x3 Tel Booth	Mobil Sign
+76 13	+75 17	
	P.D.R.	
+67 34		

	Edge BT	Curb	MT
+13	+50 69	+50 95-97	+81 61.5
	B. Conc Curb (2')	Edge Rd	Edge Rd
	+39 98	+50 32	+50 55
	P.O. Curve	P.O. Curve	Edge Rd Conc
	+25 41	+25 63	+25 77
		Sign Post	
	Edge BT	TP	
	+14 34		
	MH	TP	
+40 27	+107 35		
	Pron Ent Rad	TP	
	+118	+103 112	+107 106
	POR	MH	Pt Ent Rad
	+100 81	+107 83	+100 100
	Edge Road	POR	Pron Curve
0+00	+100 22	+100 16	+100 49
			+100 68
		BR Ent	
		+103 103	

5+00

LT

E

RT

10 10

NW Cor Cor

+99

132

see next page

+78 Ent 10'

14" Elm

+66

56

PP

+68

64

Beg 8' slab

SW. Ent 1 1/2'

+56-62

85

+56

79

21" Conc Drive

21" Conc Drive

+56

42.5

+62

41.5

+40 12" Elm

+40

57

+16 6" Pine

+16

88

NW. Cor HO

+17

103

End BT

6" Pine

+06

10-22

+13

75

MH

14" Elm

+02

94

+13

57

conc

BT

+00

10

+00

10

+00

22

4+00

PP
+82 28

End Car Lot + Ent
+80 15

PP
+77 29

+90 15' Ent

+69 ER

21

Cor. Curb

+75

65

RT = +4+26

Beg Curb

+56

50-52

+56

50

+59

28

Por

End Curb

Right Side

+32

50-52

+54

90

BR

Por

ER

+16

22

+31

33

+32

50

SEC Cor Bldg RT = +26

+23

103

3+00

conc

+00

8

Beg Car Lot + Ent

+95

15

+80 MH
30

PP
+96 42

Por. Ent Rad

+69

27

End R

+80

10

2+50

conc

+50

10

Ent Rad

+50

53

conc

+50

53

conc

+50

12

BT

+50

25

conc

+50

12

Curb

+50

51-52

+00

23

+00

11

MH

+97

24.5

+97

105

+97

96

N. cor Bldg RT = +3+82

Robt Hall

SW Cor

RG
JS
JL
WM
FS

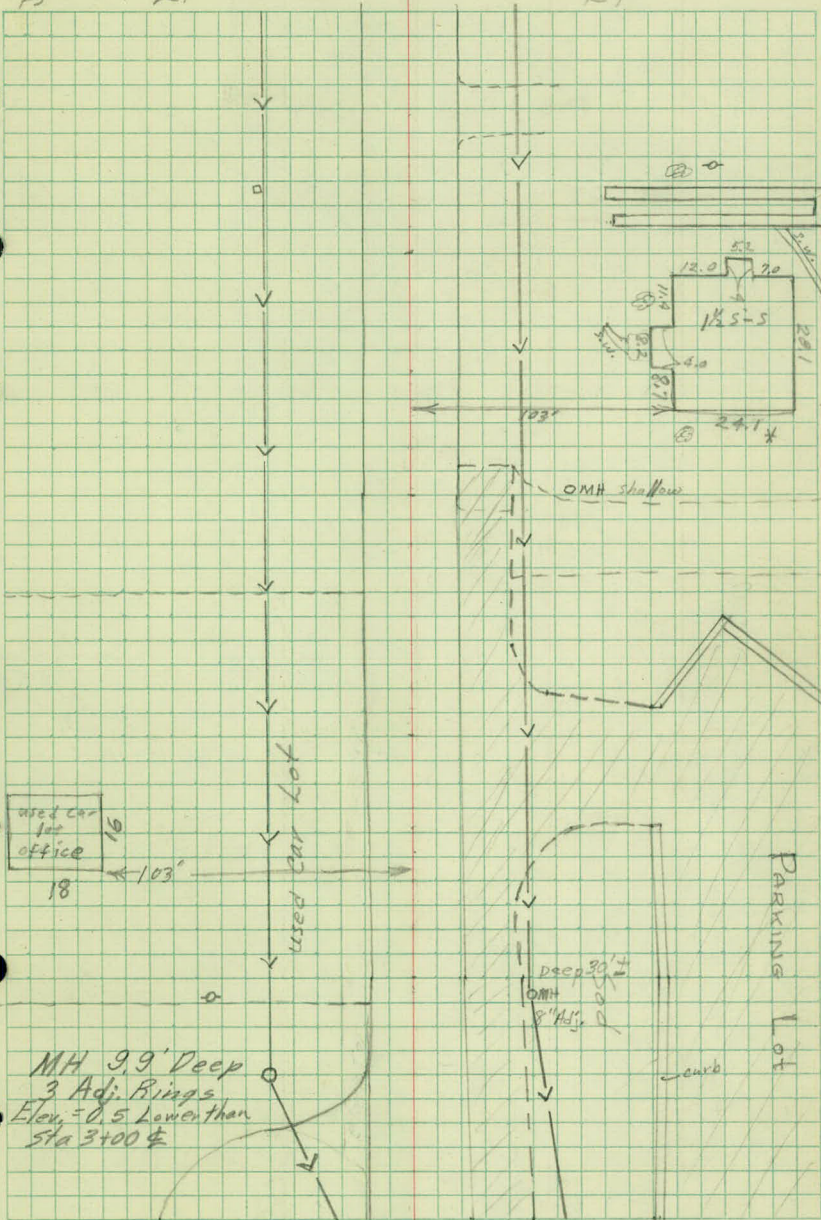
Lt

R

April 11, 1961
cloudy 40°

Rt

5



LT

E

RT

RT=5+58

+37

SE Cor Bldg

218

+50

Pt. on West edge
proposed road

90

PP
426 29

7+00

10 10 11
BT

6+00

10 10 11
BT

MH

32.5

Beq BT

10-11

+57

MH
31.5

+51

PP
49

+30

TP
47

5+00

10 10 10 6
MH
23

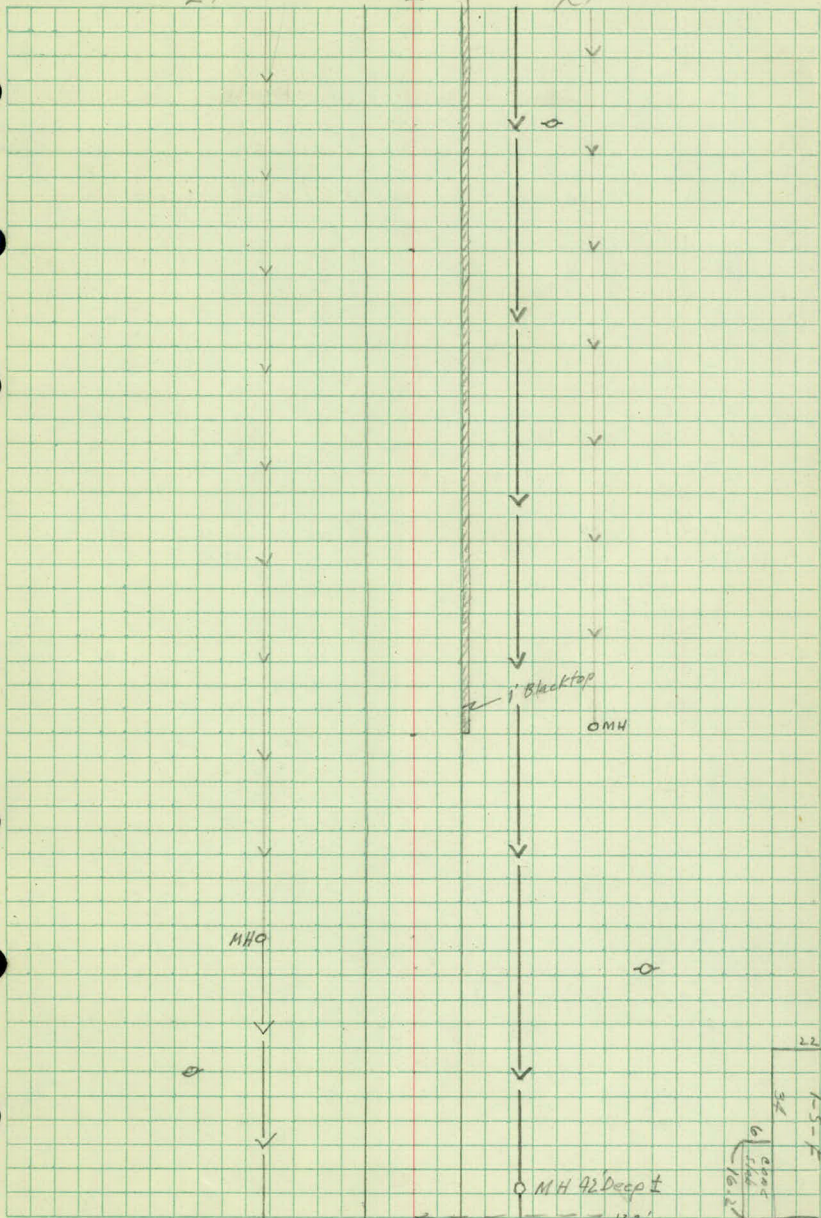
April 11, 1961
cloudy

6

Lt

E

Rt



MHQ

Blacktop

OMH

MH 92' Deep

132'

22

1-5-1

2.5
2.5
16.2
22

10+00

LT

E
10 10 11
BT

RT

9+00

10 10 11
BT

+88 $\frac{PP}{28}$

+29 $\frac{MH}{22}$

417 $\frac{MH}{41}$ $\frac{P_{10m \& Proposed Rd}}{41}$ RT = +50
+02 $\frac{MH}{41}$

8+00

+97 $\frac{MH}{34}$

10 10 11
BT $\frac{P_{10m \& Proposed Rd.}}{38}$
+90

7+50

April 11, 1961

7

Lt

E

Rt

Black Top

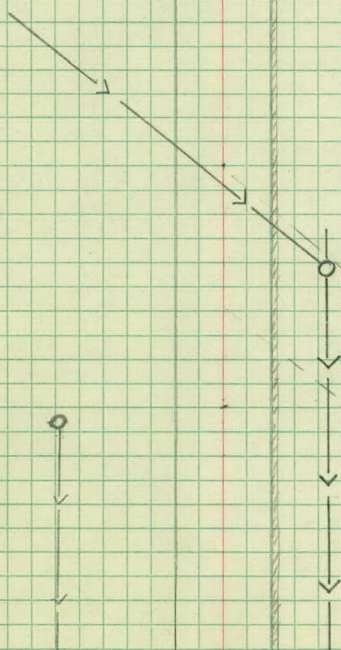
0

MH 26 Lower than
sta 8 E No. Adj.

E. Propose & Road Leads Crest

0 MH

South side Crest



$$\begin{array}{r} \cdot 14 \\ \text{Sawedge Ripley St} \\ +50 \\ \hline 94.4 \end{array}$$

4

Rt

12 + 00

$$\begin{array}{r} \cdot 14 \\ +14 \\ \hline 28 \end{array}$$

10 10 11
BT

11 + 00

10 10 11
BT

$$\begin{array}{r} \cdot 14 \\ +52 \\ \hline 29 \end{array}$$

10 + 00

10 10 11
BT

April 11, 1961

8

Lt

E

Rt

0

Black top 2

0

15+00

Lt . 4 . Rt

12 10 10 11
BT BT

+75 $\frac{2'' \text{ Elm}}{61}$

+58 $\frac{\text{Beg Rad}}{12}$

+24 $\frac{2'' \text{ Elm}}{69}$

14+00

+00 $\frac{\text{P.O. Rad.}}{33}$

10 10 11
BT

+75 $\frac{\text{P.O. Rad.}}{45}$

+75 $\frac{\text{PP}}{29}$

+50 $\frac{\text{P.O. Rad.}}{62}$

+44 $\frac{\text{Ent (12')}}{10-50 \text{ then RT} = +06}$

+18 $\frac{\text{End Rad.}}{37}$

+26 $\frac{\text{P.O. Rad.}}{25}$

+11 $\frac{\text{Beg Rad.}}{10}$

+00 $\frac{\text{N.E. Ripley}}{90.6}$

So. edge Ripley

13+00

+00

$\frac{50}{53.8}$

10 10 11
BT

+50 $\frac{\text{N. Edge Ripley}}{132}$

+50

+50

$\frac{\text{So. edge Ripley St.}}{944}$

April 11, 1961

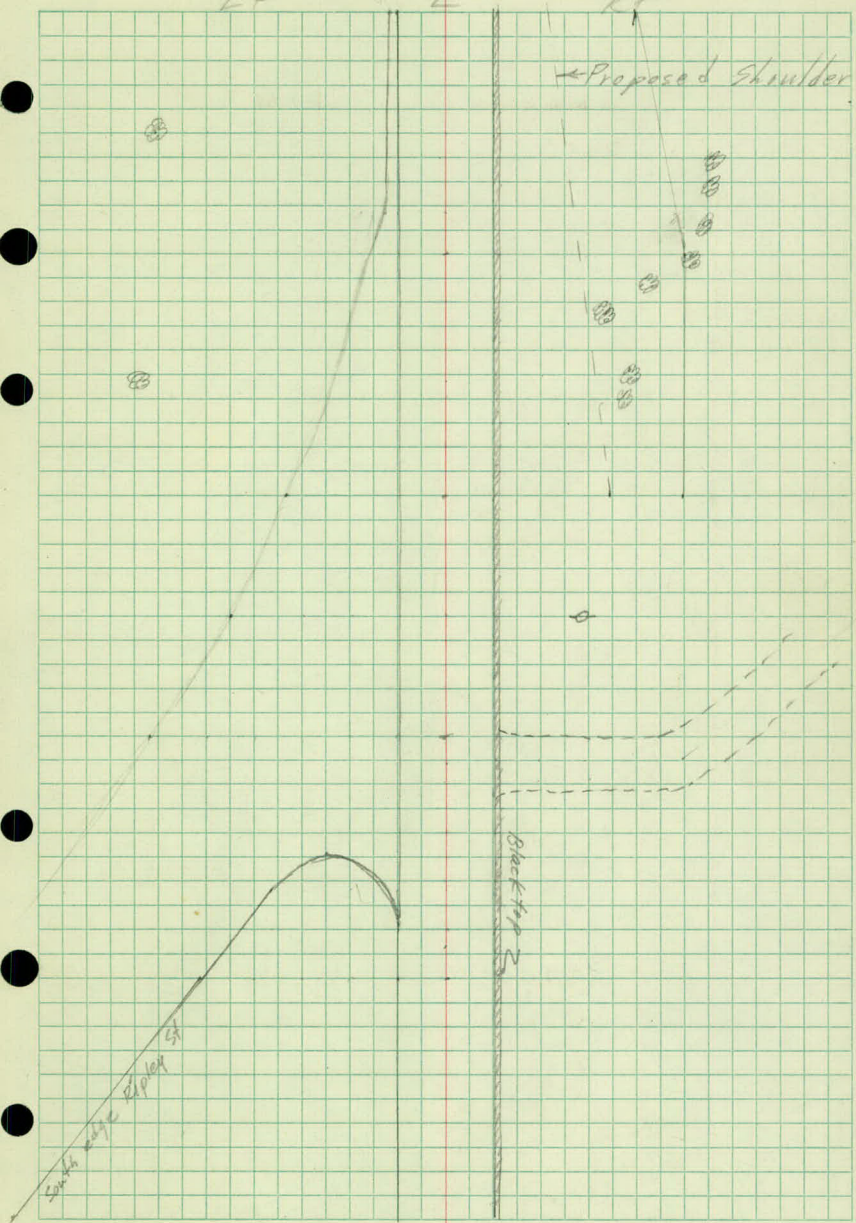
9

LT

E

RT

← Proposed Shoulder



LT

E

RT

$$\begin{array}{r} \text{PP} \\ +06 \quad 28 \end{array}$$

17+00.

12 10 10 11
BT BT

$$\begin{array}{r} \text{PP} \\ +87 \quad 28 \end{array}$$

16+00

12 10 10 11
BT BT

$$\begin{array}{r} 2'' \text{ Elm} \\ +25 \quad 58 \end{array}$$

$$\begin{array}{r} \text{PP} \\ +31 \quad 28 \end{array}$$

15+00

12 10 10 11
BT BT

April 11, 1961

10

LT

E

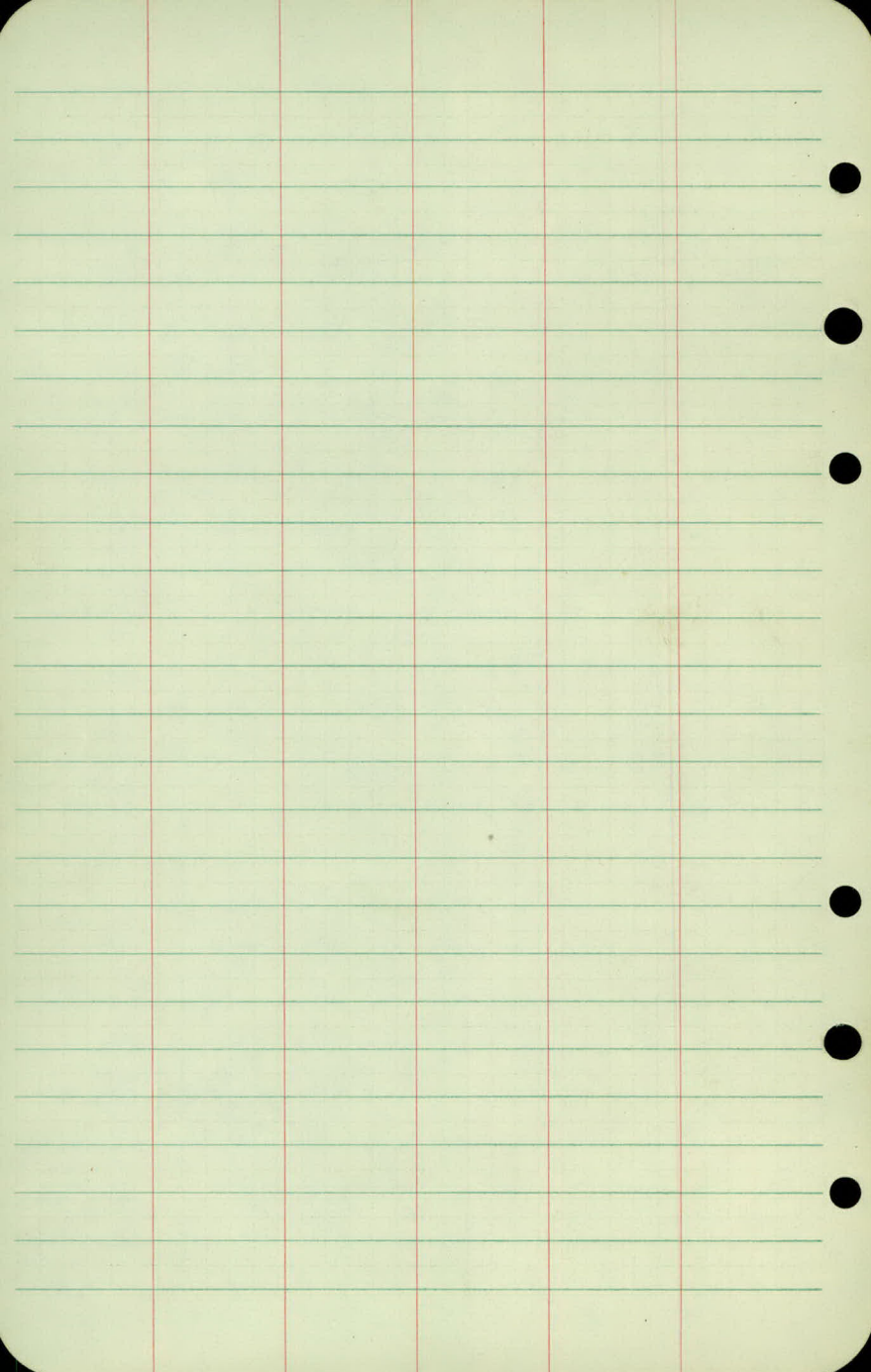
RT

0

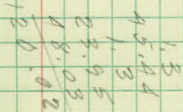
0

0

0



Size of Robt Hall Bldg.



5+00

Lt

E

Rt

4+00

$$72.9 \text{ to } \frac{\text{Curb}}{100} = \text{Ent.}$$

$$+ 00 \quad \frac{\text{BT}}{14.7} \quad \text{conc} \quad \frac{\text{BT}}{32.5} \quad 32.5 \text{ to } 72.9$$

$$+ 50 \quad \frac{\text{BT}}{49.8} \quad \frac{\text{conc}}{\text{Curb}} \quad 40.3$$

3+00

$$+ 00 \quad \frac{\text{BT} + \text{conc Curb}}{26.0}$$

$$+ 50 \quad \frac{\text{BT}}{16.2}$$

2+00

$$+ 00 \quad \frac{\text{BT on Rad Ent.}}{17.8}$$

$$+ 50 \quad \frac{\text{BT}}{20.0}$$

1+00

0+00

Blacktop measurements

Lt.

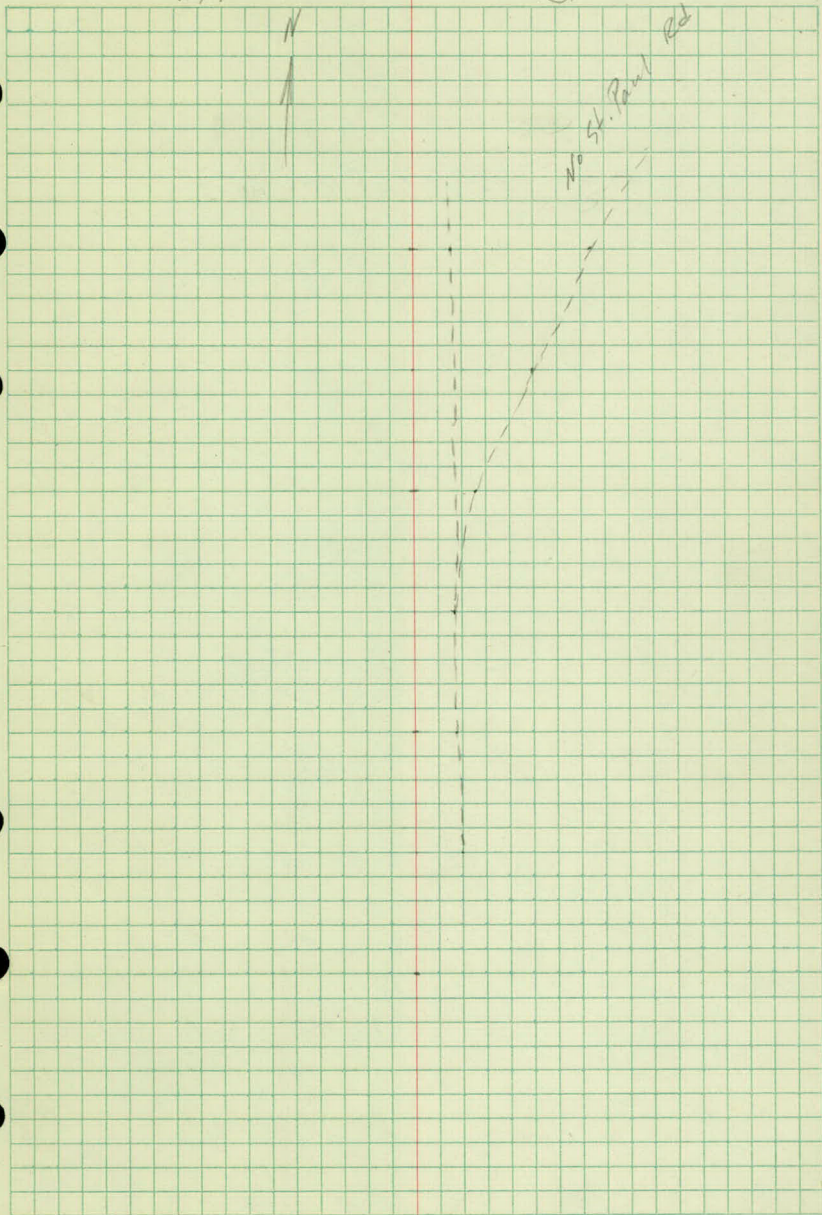
£

Rt

2

N

No St. Paul Rd



L4

E

R+

$$+24 \quad \frac{\text{NW Cor Bldg}}{78.0}$$

7+00

$$+00 \quad \frac{131.29}{78.0}$$

$$+50 \quad \frac{\text{Pt. on Bldg}}{78.3}$$

6+00

5+00

RG
JS
JL
WM
FS

April 17, 1961

3

N

sta 7+24

78.0

30.0

52.0

10.0

17.0

22.2

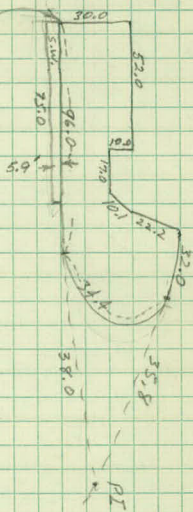
32.0

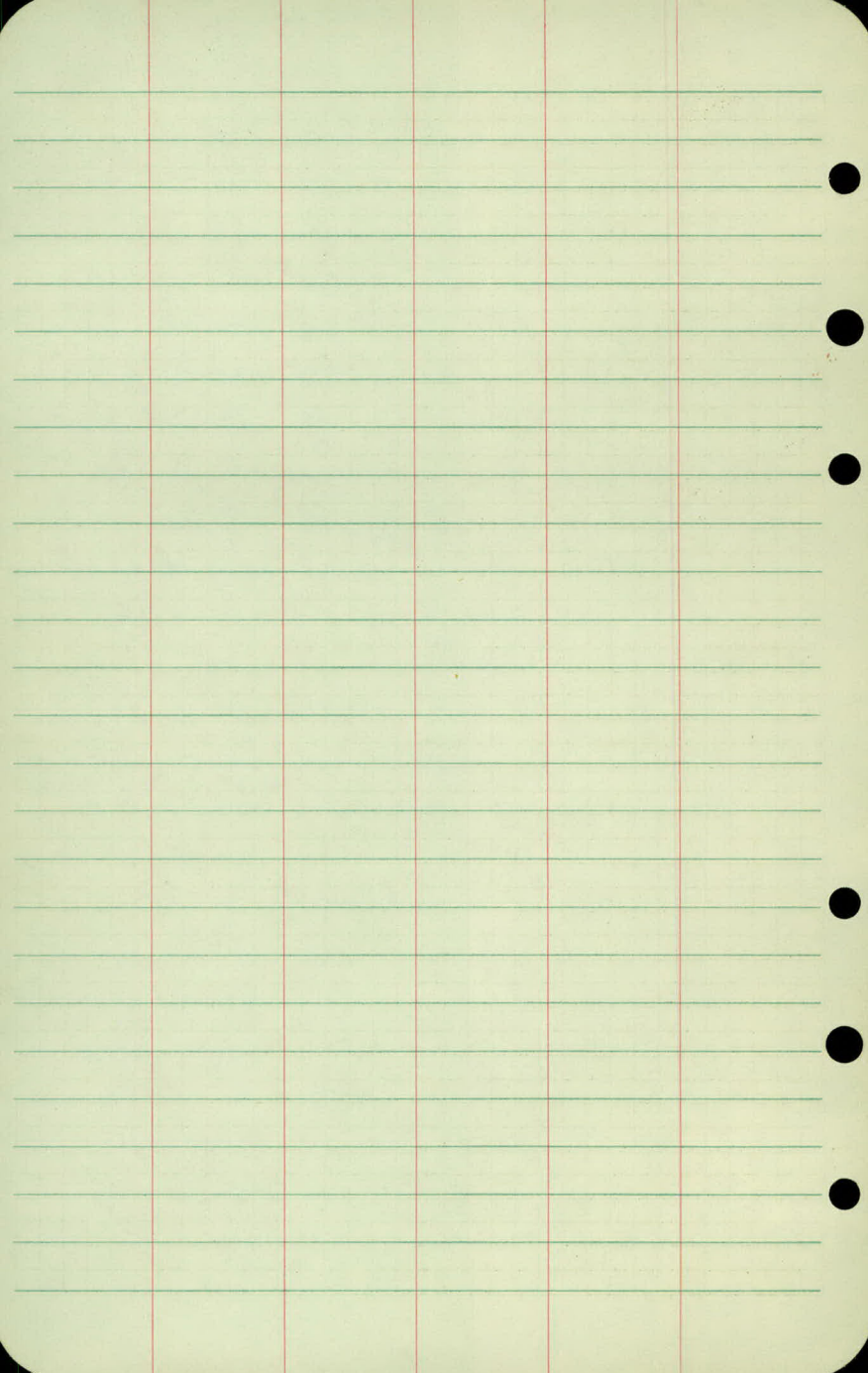
35.8

38.0

PI

White Bear Ave





RG
WM
LB

May 25, 1961
cloudy, Very Windy

NORTH ST. PAUL RD.

MANHOLE INFORMATION

Lt

E

Rt

9+00

8+00

$$+98 \quad \frac{MH}{34}$$

$$+02 \quad \frac{MH}{40}$$

7+00

6+00

$$+59 \quad \frac{MH}{32}$$

$$+01 \quad \frac{MH}{37}$$

5+00

$$+06 \quad \frac{Rel. MH}{13}$$

RG
WM
LB

May 25, 1961

LT

E

RL

2

7 ring Adj
8.1 FL

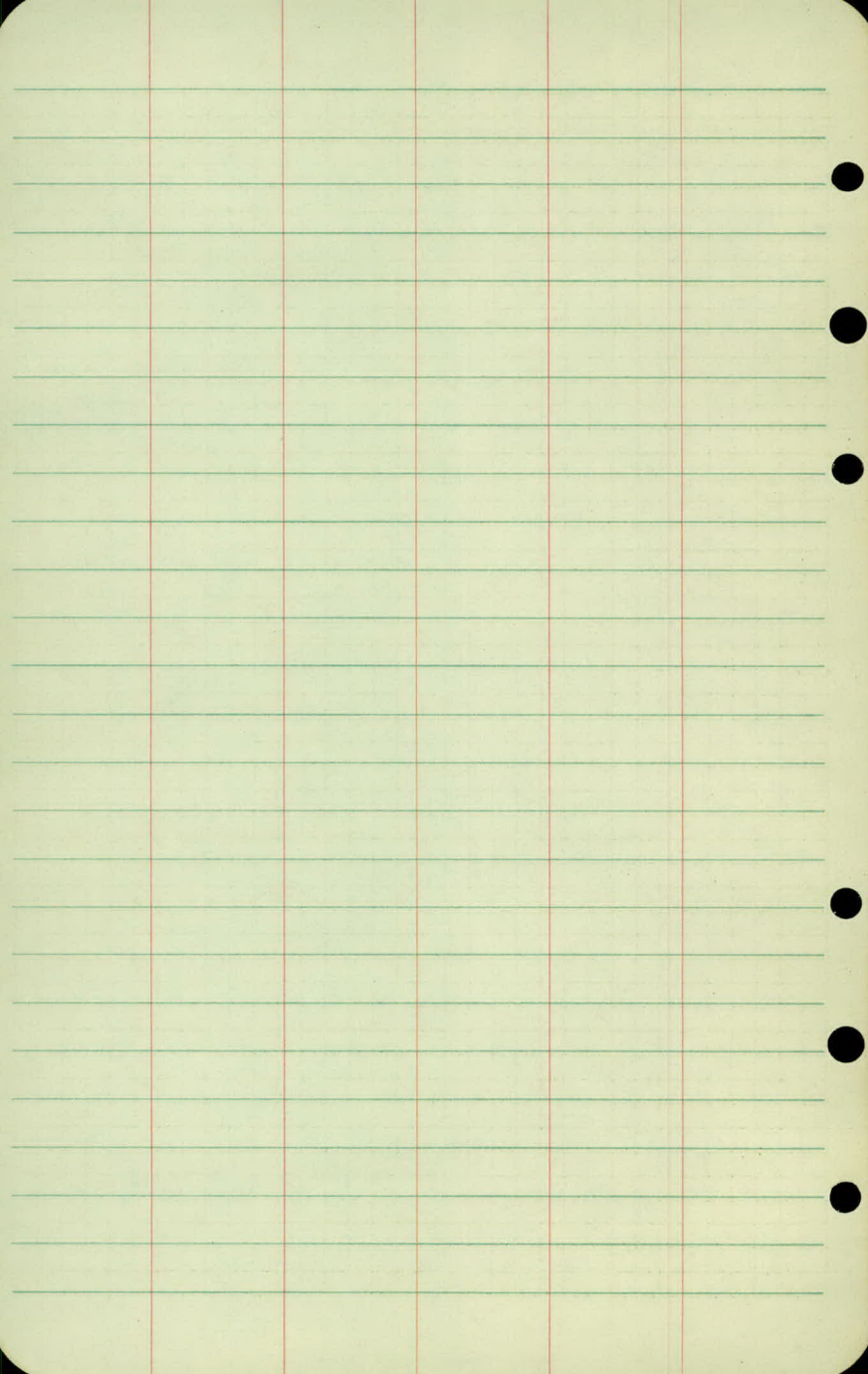


9.1 FL
2 Adj rings

8.7 FL 4 Adj Rings



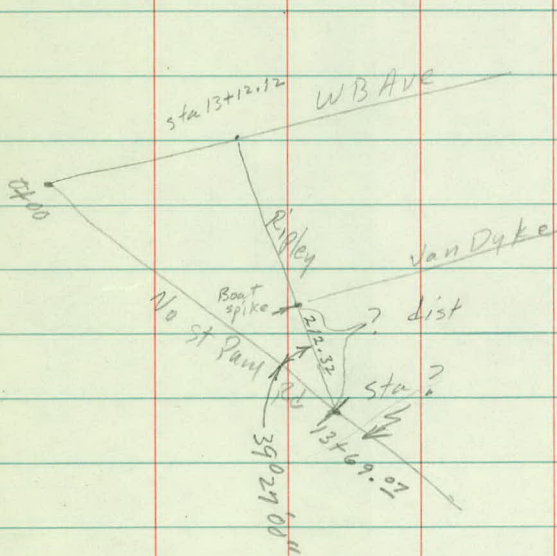
6 Adj Rings
10.0 FL

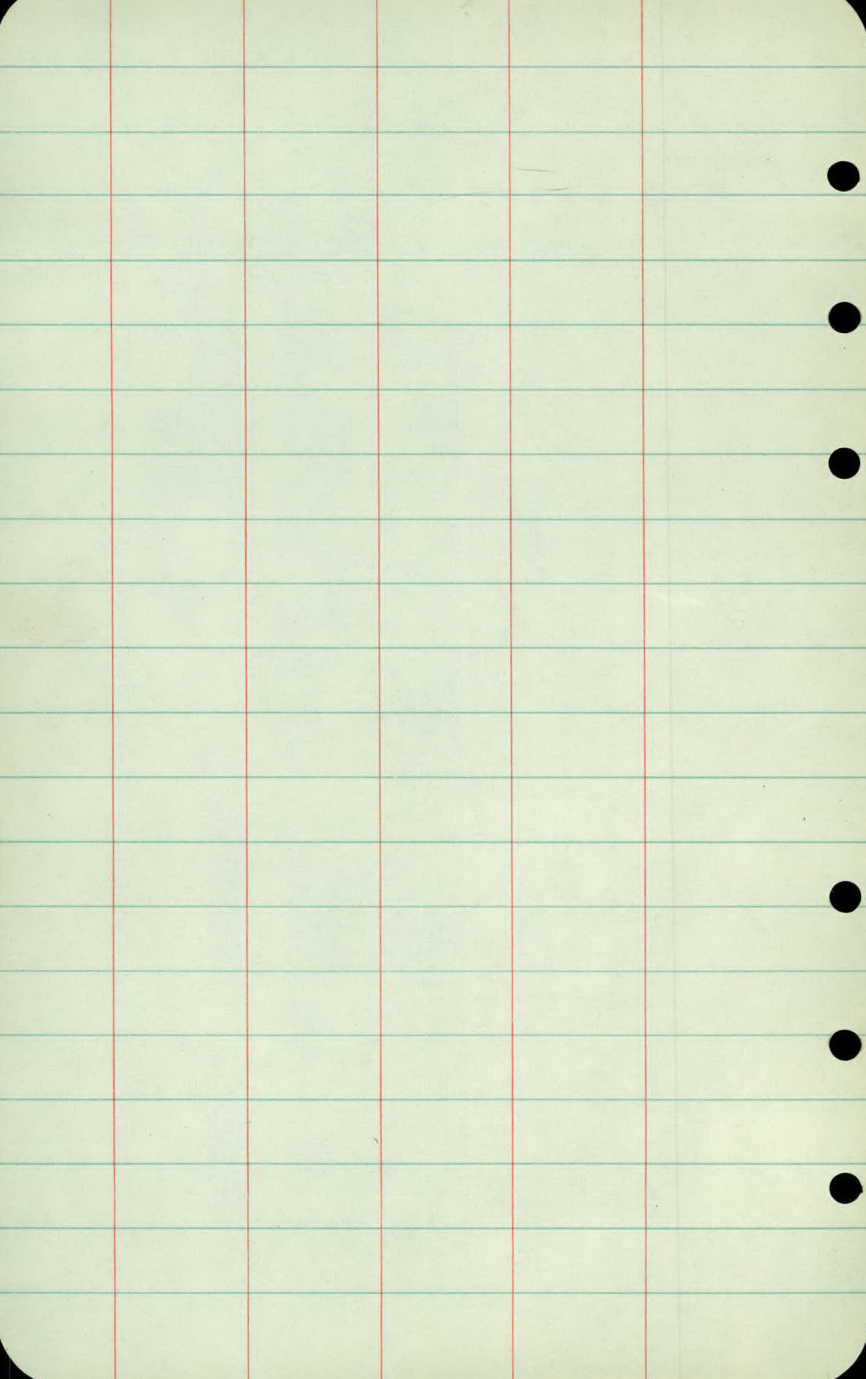


1312.12 @ Ripley & W. B. Ave

Boat spike @ Van Dyke & Ripley

also measure Van Dyke to No St Paul Rd





R6
JS
JL
WM
FS

April 11, 1961

11

Bench Levels

pages 11-12

Sta	+	π	-	Elev.	
BM	3.49	964.94		961.45	961.40 961.45
T.BM	3.14	959.47	8.61	956.33	956.28
BM ^{#1}	11.81	966.41	4.87	954.60	954.55
BM ^{#2}	3.32	969.64	0.09	966.32	966.27
BM ^{#3}	13.42	977.85	5.21	964.43	964.38
T.P.	7.87	984.22	1.50	976.35	
BM ^{#4}			1.37	982.85	982.80
BM ^{#4}	0.39	983.24			982.85
T.BM.	0.43	973.76	9.91	973.33	
BM ^{#3}	5.22	969.65	9.33	964.43	964.43
T.P.	0.04	966.39	3.33	966.32	966.32
BM	8.00	962.61	11.75	954.61	954.60
T.BM	8.60	964.94	6.27	956.34	956.33 961.40
BM			3.48	961.46	961.45

S.E. Cor. sidewalk 1773 White Bear Ave

Top of hasp on East fill pipe back of Station

S.W. Cor of West footing of Robert Hall Sign

Tol. Pole ^{RT} Sta. 4+69

Ark Pole Rt Sta 10+51 29' Rt $\pm$

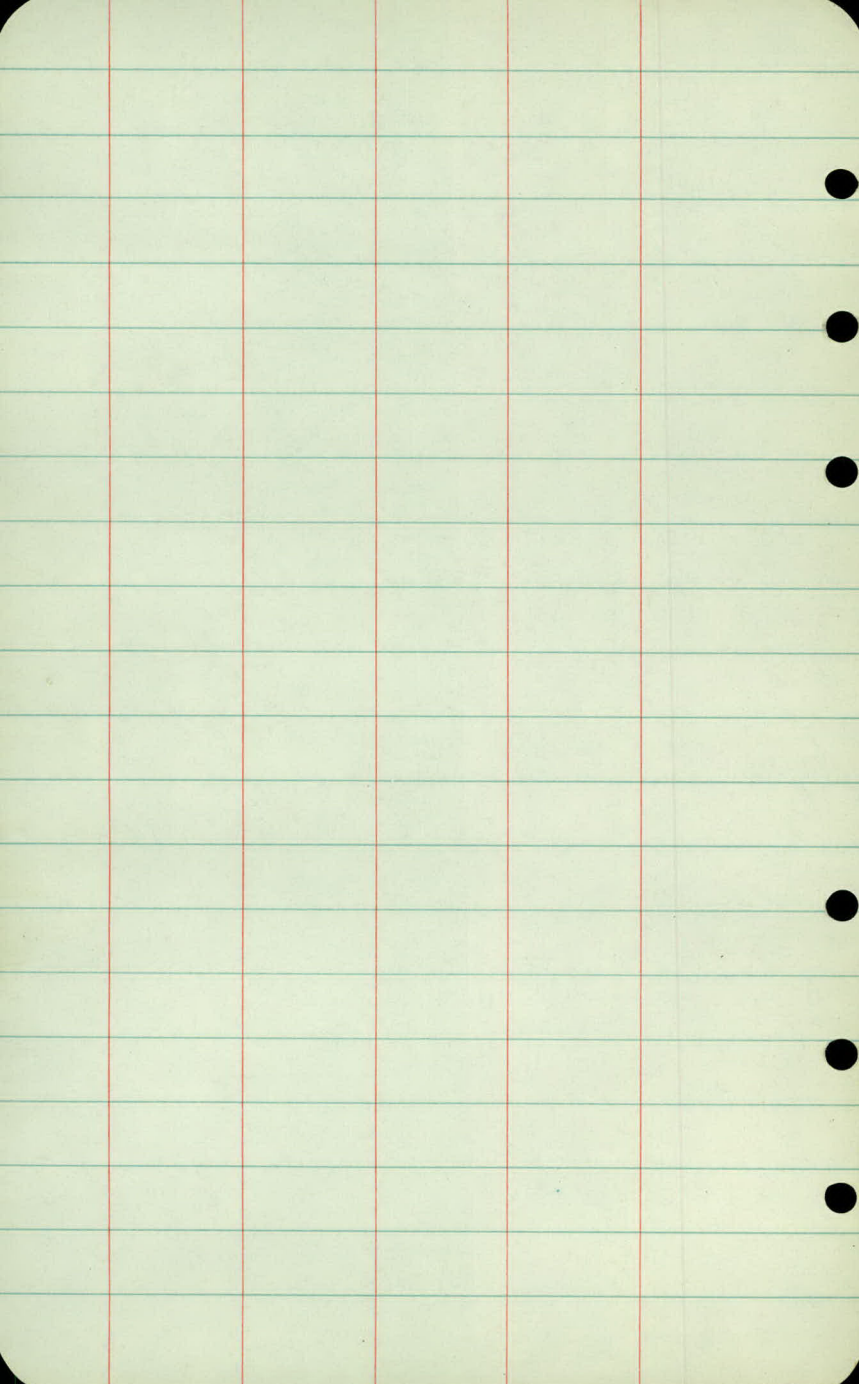
Rock Sta. 15+00 Rt 25' $\pm$

Ark Pole Lt. Sta 17+06 25' $\pm$

P.P. Sta 13+75 Rt 25' $\pm$

Tol. Pole BT Sta 4+69. Rt

Top of hasp on
Fill Pipe back of filling station



K6
JS
JL
WM
FS

April 11, 1961
Cloudy 40° 13

X-Sections

pages 13-34

Sta	+	π	-	Elev
BM	5.56	960.16		954.60

0+00

MH

12.24

92

✓

+24

✓

+29

+29

✓

April 13, 1961

Lt

E

Rt

14

SW cor of West footing of Rpt Hall Sign

49.7	49.1	49.0	48.9	48.7	48.6	48.5	48.2	49.1
10.5	11.1	11.2	11.3	11.5	11.6	14.7	12.0	10.5
42	26	24		14	21	28	32	35
E drive			BT	BT				

Near rim MH 28' Rt + 0+00

48.3	48.2	48.1	48.8	49.2
11.9	12.0	12.1	11.4	11.0
100	95	86	62	49
E drive			E	BT

49.6	49.5	49.3	49.3	49.6	50.3	50.1	49.6	50.6
10.6	10.7	10.9	10.9	12.6	9.9	10.1	10.6	9.6
45	26	13		3-6	13	21	23	28
E.W. Ave			BT					

50.0	48.9	49.0	49.8	50.4
10.2	11.3	11.2	10.4	9.8
100	78	67	53	40
E drive			E	BT

49.9	49.9	49.8	49.5	49.5	49.8	49.6	50.4	50.0	50.8	50.1	49.9
10.3	10.3	10.4	10.7	10.7	12.4	12.6	9.8	10.2	9.4	9.5	10.3
54	48	33	16	7	2		9	21	27	38	52
BT		E	BT							BT	E

51.3	51.0	50.5	50.2	49.2	49.1
8.89	9.2	9.7	10.0	11.0	11.1
103	103	100	90	77	67
Top curb					

Sta + $\bar{\Delta}$ - Elev

960.16

+34

✓

+50

✓

+75

✓

April 11, 1961

Lt. E Rt 15

49.7	49.8	49.6	48.2	47.9	47.8	50.4	50.2	50.9	50.1	50.0
10.5	10.4	10.6	12.0	12.3	10.4	9.8	10.0	9.3	9.5	10.2
22	17	14	10	5		3	18	25	37	51
BT									BT	E

50.0	50.2	50.3	51.1	51.5	51.1	50.8	49.1	49.2
10.2	10.0	9.9	8.1	8.72	9.1	9.4	11.1	11.0
42	59	65	100	97-99	97	87	74	64
E	BT		Curb					BT

51.0	50.9	50.6	50.4	50.3	49.6	48.2	47.8	50.2	51.6	51.3	51.5	50.6	49.5	51.1	51.4
9.2	9.3	9.6	9.8	9.9	10.6	12.0	10.4	10.0	8.6	8.9	8.7	9.6	10.7	9.1	8.78
77	80	62	44	37	28	26	25	19		29	31	46	69	96	96
E	BT									E					Conc Curb

51.1	51.3
7.1	8.88
98-100	98
BT	Curb

51.8	51.1	50.5	51.1	51.3	52.3	52.3	52.7	51.7	51.0	50.6	51.1	52
8.8	9.1	9.7	9.1	8.9	7.9	7.9	7.5	8.5	9.2	9.6	9.1	8.5
88	76	59	44	28	15		22	38	53	61	63	80
E	BT						BT	E	BT			

51.5	52.1	52.5	52.5	52.2
8.7	8.1	7.71	7.69	8.0
100	100	88	88	86
	BT	Curb	Curb	

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

		960.16	
--	--	--------	--

1+00			
------	--	--	--

✓			
---	--	--	--

✓			
---	--	--	--

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

✓			
---	--	--	--

TBM	10.25	966.58	3.83	956.33
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April 15, 1961

LT

E

RT

16

50.1	50.4	52.2	51.9	52.4	52.8	53.3	53.9	52.8	52.2	51.9	52.4
10.1	9.8	8.0	8.3	7.8	7.4	6.9	6.3	7.4	8.0	8.3	7.8
79	71	62	55	37	18		14	30	44	53	56

51.3 51.1
 8.9 8.5
 86 95
 BT

53.2 53.8 53.8 53.4 53.4
 7.0 6.42 6.41 6.8 6.8
 79 79 77 77 69
 curb curb

53.1
 7.1
 100

53.4	54.1	54.1	54.7	55.5	56.1	55.0	54.7	54.4	54.4	55.2
6.8	6.1	6.1	5.5	4.7	4.1	5.2	5.5	5.8	5.7	5.0
100	68	42	24	5	BT	17	31	38	41	51

55.2 55.4 55.9 55.9 55.5
 5.0 4.8 4.32 4.32 4.7
 100 65 65 63 63
 BT curb curb

Top filler pipe back of Service Station

Sta

+

X

-

Elev

966.58

+75

✓

+00

✓

+31

✓

RG
JL
JL
W14
FS

LT

E

April 12, 1961
Cool - Windy
RT

17

54.8	54.1	55.2	56.6	57.0	56.8	56.0	55.4	56.1	56.3
11.8	11.9	11.4	10.0	9.6	9.8	10.6	11.2	10.5	10.3
74	46	26	9	6	BT	13	34	51	59
Bldg				BT		E	BT		

55.8	56.2	56.6	56.6
10.8	10.4	10.00	10.06
100	62	62	59
BT	BT	curb	curb

55.2	55.2	55.0	56.1	57.3	57.8	57.6	56.9	56.6	56.8	57.2	57.3
11.37	11.4	11.6	10.9	9.3	8.8	9.0	9.7	10.0	9.8	9.38	9.3
71	63	44	30	14	6	BT	10	31	31	48	55
						E	Gutter		N. rim	HH	

conc.
ent by bldg

56.8	57.0	57.3	57.6	57.6
9.8	9.6	9.3	8.98	8.99
100	75	57	57	55
BT	BT	BT	curb	curb

56.8	55.4	56.4	58.4	58.1	58.4	58.0	57.6	57.9	58.5	58.8
10.8	11.2	10.2	8.2	7.9	8.2	8.6	9.0	8.7	8.1	7.82
68	51	34	16	8		6	25	26	52	52
					BT	E	Gutter			curb

56.6	56.6	57.7	57.2	58.0	58.3	58.8
11.1	11.0	8.9	9.4	8.6	8.3	7.80
89	100	100	94	72	54	54
		BT	BT	BT	BT	curb

Sta + π - E/cv

966.58

+62

✓

+94

✓

3400

✓

✓

LT

F

RT

18

55.6	56.0	57.5	58.9	59.8	59.4	59.3	59.1	58.5	58.9	59.6
11.0	10.6	9.1	7.7	6.8	7.2	7.3	7.5	8.1	7.7	7.0
71	51	46	25	11		4	12	24	25	51
				BT		E		G		

59.9 59.9
 11.7 11.7
 90 100

59.4 59.4 59.0 59.5 59.9 59.8
 8.2 8.2 7.6 7.1 6.73 6.77
 100 92 71 53 53 51
 BT BT BT BT curb curb

60.4	60.6	60.7	60.5	60.5	60.7	60.5	60.1	59.8	60.6	60.7	61.0
6.2	6.0	5.9	6.1	6.1	5.9	6.1	6.5	6.8	6.0	5.9	5.58
100	78	63	36	17	BT	10	11	23	43	51	51-53
											curb

59.4 58.9 59.9 59.1 60.5
 7.21 7.7 7.7 6.9 6.1
 104 104 100 72 53
 S.W BT BT BT BT

60.9	61.1	61.1	60.7	61.0	60.7	60.4	60.0	60.0	60.4	60.9
5.7	5.5	5.5	5.9	5.6	5.9	6.2	6.6	6.62	6.2	5.7
57	38	21	18	12		11	23	23	29	43

N.rim
MH

61.1 61.1
 5.5 5.5
 71 100

58.9 59.9 60.7 61.2 60.9
 7.7 6.7 5.9 5.37 5.7
 97 69 52 50-52 50
 BT BT curb

59.4 59.6
 7.23 7.03
 97 105
 S.W Bldg

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

		966.58		
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3+35				
------	--	--	--	--

✓				
---	--	--	--	--

457				
-----	--	--	--	--

✓				
---	--	--	--	--

✓				
---	--	--	--	--

+79				
-----	--	--	--	--

✓				
---	--	--	--	--

Lt

R

RH

19

62.0	62.0	61.8	61.4	61.8	61.6	61.4	61.1	61.6	61.8	62.6
4.6	4.6	4.8	5.2	4.8	5.0	5.2	5.5	5.0	4.8	4.02
68	42	23	18	11	9	22	40	50	50	50-52
				BT		driveway cut.				curb
						So. edge				

62.0

4.6

100

59.9	61.0	61.9
6.7	5.6	4.7
100	73	52

62.1	62.1	61.9	62.3	62.2	62.1	62.0	61.1	62.0	62.4	62.4
4.5	4.5	4.7	4.3	4.4	4.5	4.6	4.9	4.6	4.2	3.71
68	43	18	16	10	BT	10	20	35	50	50
						BT	driveway			curb
							No. edge			

62.1

4.5

100

61.2	61.3	60.8	61.2	62.4
5.42	5.32	5.8	5.4	4.2
94	91	91	80	50
curb	curb			BT

60.9

5.7

94

60.8

5.8

100

63.2	63.2	63.2	62.1	62.6	62.6	62.6	62.2	62.1	62.1	62.6
3.4	3.4	3.4	4.5	4.0	4.0	4.0	4.4	3.9	3.9	4.0
100	61	28	19	10	BT	10	22	30	49	66

62.4	62.1	62.4	62.6	63.1
4.2	4.5	4.2	4.0	3.51
100	76	68	66	curb

Sta + π - Elev

966.58

4+00

63.59

+00±

2.99

✓

+04

✓

T.P 6.91 973.21 0.28 966.30 966.32

+31

✓

126
25
22
W.M.
FS

Lt

E

12 March 1961
Rt 16044 20

63.3	63.0	62.5	62.9	63.0	63.0	62.6	63.0	63.1	63.8
3.3	3.6	4.1	3.7	3.6	3.6	4.0	3.6	3.5	2.8
59	31	19	11		10	23	40	62	81

No Rim 14.4 33.2

✓

63.0	63.1							64.6
3.6	3.5							2.0
84	100							100

63.3	63.0	62.5	62.9	63.1	63.1	63.0	63.2	64.8
3.3	3.6	4.1	3.7	3.5	3.5	3.6	3.4	1.8
59	31	19	11		10	20	38	45

✓

63.0	63.1					66.1	65.7	65.1
3.6	3.5					0.5	0.9	1.5
84	100					100	85	65

Bench Mark = 2

63.3	63.1	63.0	63.4	63.4	63.3	63.2	63.5	65.3
9.9	10.1	10.2	9.8	9.8	9.9	10.0	9.8	7.9
54	26	20	11		11	21	36	44

✓

63.2	63.4							
10.0	9.8							
78	100							

63.2 6.32 6.32 6.3 7.2
103 96 92 92 67
con con con
Sidew Sidew SW

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

		973.21		
--	--	--------	--	--

4+57			7.91	
------	--	--	------	--

+61			8.00	65.2
-----	--	--	------	------

+67				
-----	--	--	--	--

✓				
---	--	--	--	--

+70				
-----	--	--	--	--

✓				
---	--	--	--	--

5+00				
------	--	--	--	--

+06 [±]			64.07	
------------------	--	--	-------	--

			9.14	
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RG
JS
JL
WM
FS

Lt

E

Rt

12 March 1961
P.C. Cloudy
21

Concrete Driveway 43' Rt

" " " 42' Rt

63.3	63.5	62.9	63.9	63.9	63.8	63.9	64.4	65.6
9.9	9.7	10.3	9.3	9.3	9.4	9.3	8.8	7.6
55	27	19	10		10	19	36	41

63.5	63.5
9.7	9.7
82	100

66.8	66.2
64	70
100	70

63.3	63.5	62.9	63.9	64.0	63.8	64.0	64.4	64.6
9.9	9.7	10.3	9.3	9.2	9.4	9.2	8.8	8.6
55	27	19	10		9	24	38	52

63.5	63.5
9.7	9.7
82	100

65.9	65.3
7.3	7.9
100	78

63.9	63.8	63.8	63.7	63.0	62.3	64.4	64.2	63.9	64.2	64.7	64.9	65.5
9.3	9.4	9.8	9.5	10.2	8.9	8.8	9.0	9.3	9.0	8.5	8.3	7.4
100	82	54	29	20	10		10	23	35	37	75	10

Rim M.H. 22' Rt

Sta + π - Elev

973.21

5+51

✓

+59

+59

8.71

✓

+71

✓

RG
SS
JL
WM
FS

Lt

E

12 March 1961
D. Clou Jy 22
Rt

63.8	64.2	64.4	64.8	64.8	64.6	64.1	64.7	63.9	65.0
9.4	9.0	8.8	8.4	8.4	8.6	9.1	8.5	9.3	8.2
100	62	33	10	✓	10	23	34	38	44

65.8	65.8	65.5
7.4	7.4	7.8
100	86	65

63.8	64.2	64.4	64.8	64.8	64.6	64.5	63.9	65.1
9.4	9.0	8.8	8.4	8.4	8.6	8.7	9.3	8.1
100	62	33	10		10	31	39	46

No Rim 14.4 32.4

69.2	69.9	69.2	65.3
4.0	5.3	6.0	7.9
100	79	65	54

63.9	64.2	64.5	64.8	64.9	64.7	64.1	65.3	66.1	68.9
9.3	9.0	8.7	8.4	8.3	8.5	9.1	7.9	7.1	4.3
100	62	33	10	✓	10	21	43	50	63

71.6	71.4
1.6	1.8
100	80

Sta	+	π	-	Elev
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		943.21		
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5+82				
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✓				
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+91				
-----	--	--	--	--

✓				
---	--	--	--	--

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

+01				
-----	--	--	--	--

		65.60		
		7.61		

✓				
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RG
JS
J2
W.M.
FS

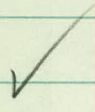
Lt

E

12 March 1961
PCloud/V
Rt 23

64.3	64.5	64.0	63.7	64.5	64.8	64.9	64.8	64.1	65.2	66.4	68.0
8.9	8.7	9.2	9.5	8.7	8.4	8.3	8.4	9.1	8.0	6.8	5.2
53	28	26	20	15	10		10	21	30	57	60

64.2 63.5



71.4 71.3 69.4

→ 9.0 9.7
75 100

1.8 1.9 3.8
100 91 71

64.3	64.5	64.0	63.7	64.5	64.8	65.0	64.8	64.0	64.8	65.5
8.9	8.7	9.2	9.5	8.7	8.4	8.2	8.4	9.2	8.4	7.7
53	28	26	20	15	10		10	21	25	30

64.2 63.5



10.1 69.4 68.1 67.3 66.3

→ 9.0 9.7
75 100

3.1 3.2 5.1 5.9 6.9
100 81 75 64 51

64.4	64.6	63.9	63.5	64.3	64.8	65.0	64.8	64.1	65.6	66.7
8.8	8.6	9.3	9.7	8.9	8.4	8.2	8.4	9.1	7.6	6.5
61	30	25	21	18	10		10	21	30	58

No Rim M.H. 34 Rt

63.3 63.6



68.5 67.6

→ 9.9 9.6
90 100

4.7 5.6
100 82

Sta	+	π	-	Elev
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		973.21		
--	--	--------	--	--

6+08				
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✓				
---	--	--	--	--

+15				
-----	--	--	--	--

✓				
---	--	--	--	--

+60				
-----	--	--	--	--

✓				
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RG
JS
JL
WM
FS

L4

E

12 March 1961
P. C. Clouery
RT 124

64.4	64.6	63.9	63.5	64.3	64.8	65.0	64.8	64.6	64.2	65.6	66.1
8.8	8.6	9.3	9.7	8.9	8.4	8.2	8.4	8.6	9.0	7.6	7.1
61	30	25	21	18	10		10	17	21	30	54



63.3 63.6
9.9 9.6
90 100

68.5 67.5
4.7 5.7
100 74

64.4	64.6	63.9	63.5	64.3	64.8	65.0	64.8	64.6	64.0	65.7
8.8	8.6	9.3	9.7	8.9	8.4	8.2	8.4	8.6	9.2	7.5
61	30	25	21	18	10		10	17	20	30



63.3 63.6
9.9 9.6
90 100

66.0 65.8
7.2 7.4
100 55

64.6	64.4	64.1	64.6	64.8	64.9	64.8	65.0	64.5	65.5
8.6	8.8	9.1	8.6	8.4	8.3	8.4	8.2	8.7	7.7
30	26	21	17	10		10	17	21	29



64.1 63.8
9.1 9.4
63 100

66.0 66.1 65.6
7.2 7.1 7.6
100 83 54

Sta	+	π	-	Elev
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		99321		
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7+00				
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✓				
---	--	--	--	--

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

✓				
---	--	--	--	--

+87				
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RG
US
JL
WM
FS

LA

E

12 March 1961
Rt - Cloudy 25

64.4	63.7	63.1	64.2	64.8	64.9	64.8	64.8	65.9	65.1	65.1
8.8	9.5	9.5	9.0	8.4	8.3	8.4	8.4	7.3	7.5	7.5
27	24	19	18	10		10	21	33	72	100

64.3 64.2
8.9 9.0
70 100

64.3	64.3	63.8	64.3	64.7	64.8	64.7	64.7	65.9	66.0
8.9	8.9	9.4	8.9	8.5	8.4	8.5	8.5	7.3	7.2
66	30	24	20	10		11	24	52	74

64.2

9.0
100

66.1	66.1	64.1	65.1
7.1	7.1	8.5	7.5
100	96	85	79

64.3	63.9	63.8	64.5	64.5	64.7	64.7	64.8	64.2	65.1	65.8
8.9	9.3	9.4	8.7	8.1	8.5	8.5	8.4	9.0	8.1	7.4
32	28	22	18	10		11	34	39	45	75

64.3 64.2

8.9 9.0
66 100

66.3
6.9
100

Sta + π - elev

99321

8+00

65.02

+02 $\pm$

8.19

64.28

1+98 $\pm$

8.93

T.P. 4.44 968.72 8.93 964.28

8+50

✓

+63

✓

126

SS

JL

WM

FS

LT

✓ 4

12 March 1961
P Cloud 7/26
RT

64.5	64.2	64.0	63.5	64.2	64.5	64.7	64.6	65.0	66.1	65.0
8.7	9.0	9.2	9.7	9.0	8.7	8.5	8.6	8.2	7.1	8.2
100	65	30	24	19	10		10	40	91	100

No Rim MH 40 RT

East Rim M.H. 34 LT

East Rim M.H. 34 LT of Sta. 7+98

64.1	63.2	62.6	63.5	64.0	64.3	64.2	63.6	64.3	63.6	63.8
4.6	5.5	6.1	5.2	4.7	4.4	4.5	5.1	4.4	5.1	4.9
49	38	26	17	10		11	21	31	47	64

64.5	64.7
4.2	4.0
83	100

64.8	64.4
3.9	4.3
100	90

62.9	62.4	62.0	63.6	63.9	64.3	64.1	63.8	62.5	63.6	63.6
5.8	6.3	6.7	5.1	4.8	4.4	4.6	4.9	6.2	5.1	5.1
50	30	22	16	10		13	19	30	53	78

64.4	64.7
4.3	4.0
72	100

64.5
4.2
100

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

		968.72		
--	--	--------	--	--

9+00				
------	--	--	--	--

✓				
---	--	--	--	--

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

✓				
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10+00				
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✓				
---	--	--	--	--

RG
35
3L
W/M
FS

LT

E

12 MARCH 1961
Clearing
RT 27

60.8	61.0	61.7	62.5	63.9	64.2	64.1	63.7	61.2	60.7
7.9	7.7	7.0	5.2	4.8	4.5	4.6	5.0	7.5	8.0
66	43	25	17	11		11	17	23	27

62.0 62.8
6.7 5.9
89 100

63.5 62.8 61.4 60.1
5.2 5.9 7.3 8.6
100 73 41 34

61.7	61.8	62.5	63.6	63.9	64.3	64.2	63.9	61.3	60.2
7.0	6.9	6.2	5.1	4.8	4.4	4.5	4.8	7.4	8.5
72	41	21	16	11		12	18	22	25

60.4
8.3
100

61.3 59.8 58.3
7.4 8.9 10.4
100 65 31

62.3	62.8	63.3	63.8	64.3	64.7	64.5	63.9	61.3	58.9	57.3
6.4	5.9	5.4	4.9	4.4	4.0	4.2	4.8	7.4	9.8	11.4
76	46	20	14	10		11	18	23	27	33

61.8
6.9
100

60.2 56.7 55.3
8.5 10.0 13.4
100 70 40

Sta + π - Elev

968.72

10+50

B.M.

4.30 964.42 (964.43)

✓

+ 82[±]

2.98

11+00

✓

T.P.

4.30 964.42 (964.43)

8.29 972.71

964.43
8.29

+ 50

✓

136
 35
 32
 W.M.
 F.S.

Lt

£

12 March 1961
 Clear
 Rt 28

63.0	63.6	64.1	65.2	65.6	65.3	64.8	61.3	59.0
5.7	5.1	4.0	3.5	3.2	3.4	3.9	7.4	9.7
47	20	16	10		11	18	24	30

B.M. # 3 check shot

62.4	62.9		60.3	59.2	58.0
5.8	5.8		8.4	9.5	10.7
47	100		100	65	40

No Run N.W.B Telephone Mt 15' Lt

63.8	64.2	64.3	65.4	66.2	66.4	66.4	66.1	61.3	60.3
4.9	4.5	4.4	3.3	2.5	2.3	2.3	2.6	7.4	8.4
59	34	20	17	10		12	17	28	29

63.0		60.7	60.2	59.2
5.7		8.0	8.5	9.5
100		100	71	53

B.M. # 3

B.M. # 3

65.4	65.9	65.9	67.0	67.5	67.6	67.5	67.0	61.3	60.4
7.3	6.8	7.3	5.7	5.2	5.1	5.2	5.7	11.4	12.3
57	31	21	17	10		11	18	28	31

64.9	64.6		59.7	59.5	58.3
7.8	8.1		13.0	13.2	14.4
79	100		100	70	46

Sta + π - Elev

94271

12+00

✓

+50

✓

13+00

✓

✓

RG
JS
JL
WIM
FS

LT

E

12 March 1961
Clear
RT 29

66.1	66.1	67.2	68.6	68.8	68.9	68.6	68.4	67.4	61.3
6.6	6.6	5.5	4.1	3.9	3.8	4.1	4.3	10.3	11.4
66	34	21	17	10		12	18	30	39

66.4
6.3
100

58.9 58.5 60.1
13.8 14.2 12.0
100 70 44

67.2	68.1	69.7	70.1	70.2	70.0	69.5	63.9	62.0
5.5	4.6	3.0	2.6	2.5	2.7	3.2	8.8	10.7
28	22	17	11		12	18	30	46

67.0 68.5 69.5 69.9 69.9
5.7 4.2 3.2 2.8 2.8
52 74 83 89 103
BT. Ripley

54.8 61.3
12.9 11.4
100 60

71.0	69.9	68.7	70.9	71.3	71.5	71.2	70.7	65.5	63.7
1.7	2.8	4.0	1.8	1.4	1.2	1.5	2.0	2.2	9.0
33	27	20	18	10		12	19	31	45

71.7 72.0 71.8 71.2
1.0 0.7 0.9 1.5
48 52 65 82
BT E BT

61.2 61.3 62.5
11.5 11.4 10.2
100 90 72

70.8 70.0 69.3 70.6
1.9 2.7 3.4 2.1
115 97 90 85

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

		972.77		
--	--	--------	--	--

TP	12.44	983.74 ³	1.42	971.30 ²⁹
----	-------	---------------------	------	----------------------

+17				
-----	--	--	--	--

✓				
---	--	--	--	--

+25				
-----	--	--	--	--

✓				
---	--	--	--	--

+35				
-----	--	--	--	--

✓				
---	--	--	--	--

RG
JS
JL
WM
FS

Lt

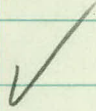
£

12 March 1961
C109V
Rt 30

Rock

12.6	12.1	11.9	11.3	11.8	11.9	11.1	11.2	11.3	11.9
11.1	11.6	13.8	12.4	11.9	11.8	12.0	12.5	12.4	19.8
39	31	26	19	10		11	19	32	58
BT									

12.3	11.7	10.3	10.5	11.0
11.4	12.0	13.4	13.2	12.7
55	75	80	91	100
£	BT			



12.0	12.9
21.7	20.82
100	98

10.5	12.0	12.6	11.7	11.9	12.1	12.2	11.9	11.6	11.5	11.9	11.8
13.2	11.7	11.1	11.0	11.8	11.6	11.5	11.8	12.1	12.2	19.8	21.9
77	72	52	27	21	10		12	20	35	63	100
		£									



10.5	11.7
13.2	12.0
84	100

10.7	12.4	12.9	12.9	12.5	12.4	12.4	12.3	11.8	12.1	11.2	12.1
13.0	11.3	10.8	10.8	11.2	11.3	11.3	11.4	11.9	13.6	12.5	19.6
69	63	48	37	25	10		12	19	28	51	74



11.5	12.9
12.2	10.8
80	100

12.6
21.1
100

Sta + π - E/er

³
983.74

+54

✓

14+00

✓

+50

✓

PA

1000

7.5 35

1972.3

RG
JS
VL
WM
FS

Lt

E

12 March 1961
Clegg
Rt

31

11.3	12.8	13.4	13.2	12.9	13.0	12.8	11.3	10.1	66.8
12.4	10.9	10.3	10.5	10.8	10.7	10.9	11.4	13.6	16.9
60	57	35	24	11		11	15	25	39

12.5	13.8	14.0
11.2	9.9	9.7
74	93	100

63.5	64.7	65.3
20.2	19.0	18.4
100	85	55

13.3	12.7	13.9	14.3	14.3	14.4	14.3	14.0	12.6	15.1	11.4
10.4	11.0	9.8	9.4	9.4	9.3	9.4	9.7	11.1	8.6	6.3
47	40	36	20	10		11	17	23	30	34

15.0	16.4	16.0	16.4
8.7	7.3	5.7	5.3
57	71	89	100

67.2	68.8	10.8	14.6
16.5	14.9	12.9	9.1
100	84	72	52

19.7	11.6	15.4	15.0	15.6	15.9	16.0	16.8	15.4	14.2	16.1	16.0
4.0	6.1	8.3	8.7	8.1	7.8	7.7	7.9	8.3	9.5	5.6	5.7
60	40	28	22	20	11		11	16	24	33	42

81.6	83.2
2.1	1.5
88	110

16.7	17.1	18.5	19.3
7.0	6.6	5.2	4.4
64	59	53	46

15.3	13.2	12.3	11.3
8.4	10.5	11.4	12.4
72	81	92	100

sta + π - Elev

983.74³

15+00

✓

BM 13.32 984.69⁶ 10.39 973.35⁴ (973.33)

+21

✓

✓

April 12, 1961

LT

F

RT

32

80.4	11.6	16.6	16.9	17.3	17.4	17.1	16.9	15.3	19.4	19.2
3.3	6.1	7.1	6.8	6.4	6.3	6.6	6.8	8.4	4.3	4.5
46	29	21	17	10		11	17	23	33	44

82.0 82.5
1.7 1.2
72 105

13.5 14.5 15.0 16.5 17.9
10.2 9.2 8.7 7.2 5.8
100 94 82 59 54

Spike in PP 25 RT sta 13+75±

April 13, 1961

cloudy, windy 350

RG
IS
JL
WM
FS

82.7	80.4	18.6	17.1	17.6	17.8	18.0	17.8	17.5	16.1	18.6
4.5	6.3	8.1	9.6	9.1	8.9	8.7	8.9	9.2	10.6	8.1
61	38	30	21	17	11		11	18	22-24	29

82.7
4.0
100

16.8 17.5 16.8 17.3 18.8
9.9 9.2 9.9 9.4 7.9
79 66 64 63 46

17.5 15.1
9.2 11.6
91 100

Sta + T - Elev

986.62

+69

✓

16+00

✓

+50

✓

RG
IS
JL
FS
WM

LT

E

Apr 13, 1961
Cloudy windy 3:50
RT

33

81.2	80.1	78.5	78.9	79.0	79.1	78.9	78.7	77.0	77.6	79.8
5.5	6.6	8.2	7.8	7.7	7.6	7.8	8.0	9.7	9.1	6.9
36	30	20	18	11		11	16	22	26	33

84.0	83.5	82.8
2.7	3.2	3.9
49	70	100

91.1	91.5	86.7	85.6	80.0
+5.0	+4.8	0.0	3.1	6.7
100	98	85	74	54

83.6	82.2	80.7	79.1	79.5	79.7	79.8	79.7	79.4	78.0	77.8	78.0	80.4
3.1	4.5	6.0	7.6	7.2	7.0	6.9	7.0	7.3	8.7	8.9	8.7	6.3
51	37	31	21	18	11		11	16	19	22	25	33

83.3	83.3
2.4	3.4
73	100

87.3	87.8	87.8	86.7	81.1	80.3
+0.6	+1.1	+1.1	0.0	5.6	6.4
100	94	81	78	63	51

84.5	83.7	81.9	79.9	80.3	80.6	80.9	80.7	80.5	78.9	80.1	81.2
2.2	3.0	4.8	6.8	6.4	6.1	5.8	6.0	6.2	7.8	6.6	5.5
68	45	32	21	17	11		11	16	22	28	33

83.7	83.2
3.0	3.5
92	100

84.0	84.0	84.2	82.0
2.7	2.7	2.5	4.7
100	95	70	50

sta + π - Elev

986.6⁶~~7~~

17+00

✓

BM

3.81

982.86⁵

(982.85)

April 13, 1961

Lt

E

Rt

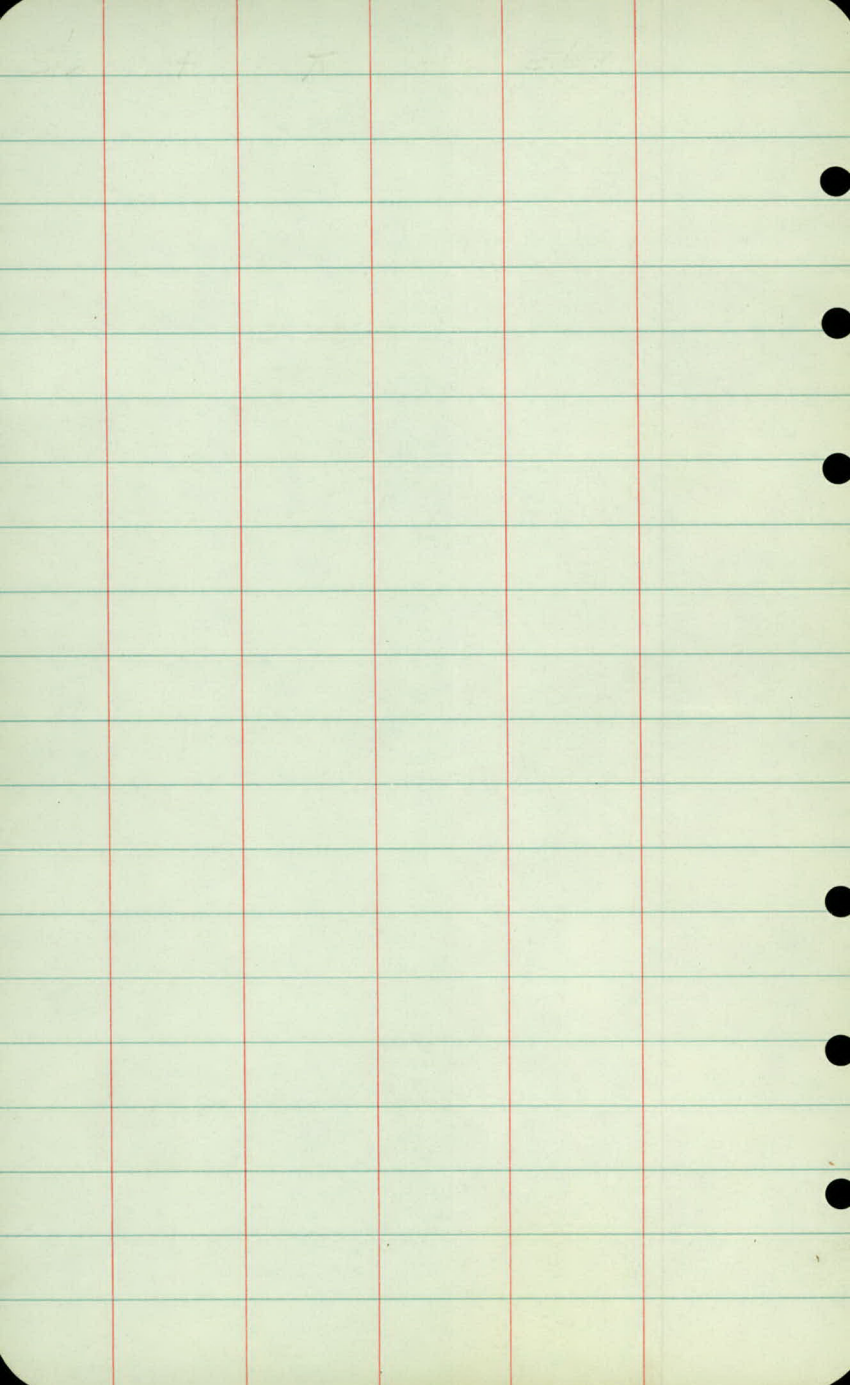
34

82.5	81.8	80.7	81.1	81.5	81.7	81.6	81.4	80.2	80.7	81.9
4.2	4.9	6.0	5.6	5.2	5.0	5.1	5.3	6.5	6.0	4.8
49	29	21	17	11		11	17	20	26	29

82.8	82.1	81.1
3.9	4.6	5.0
56	91	100

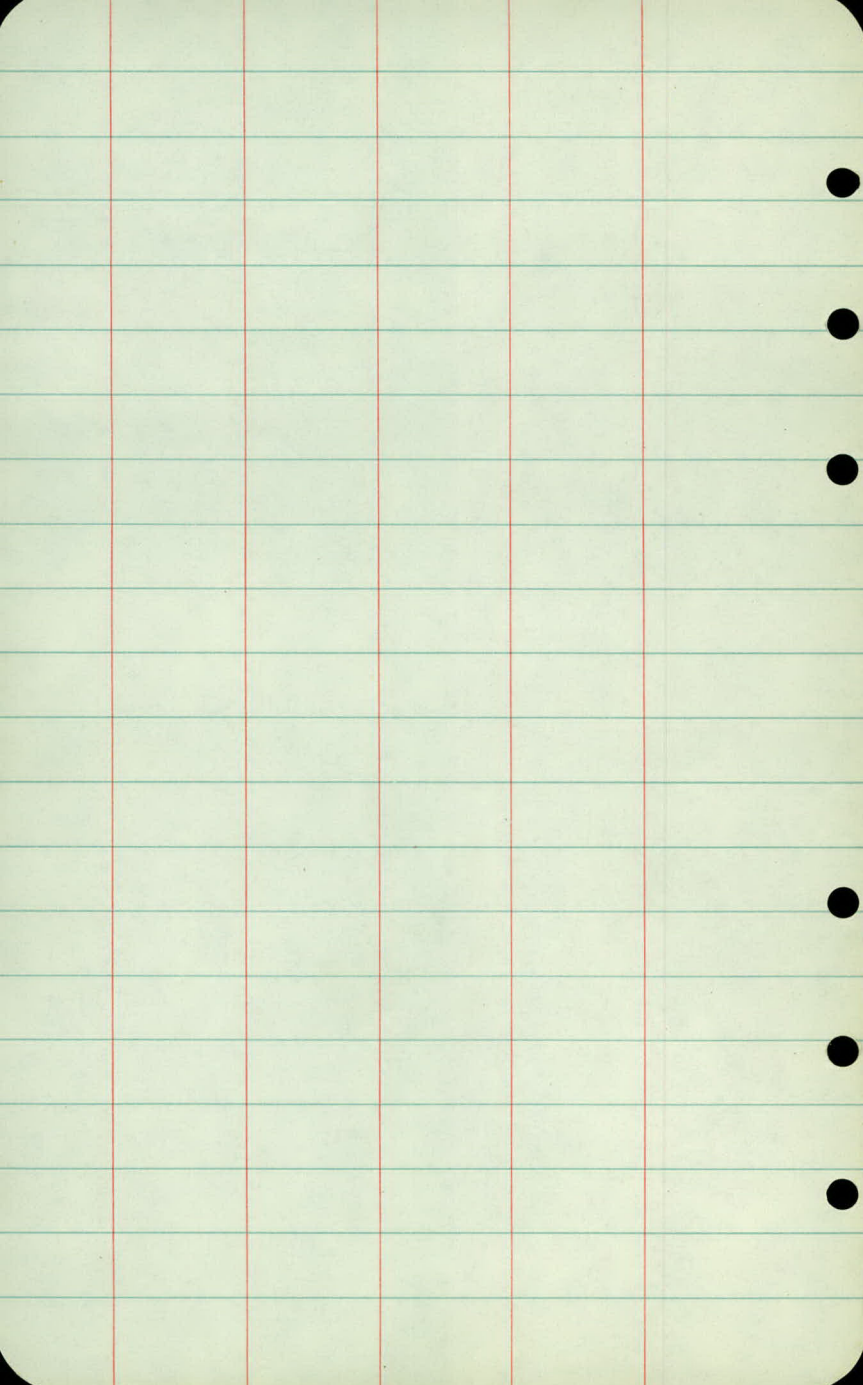
82.2	82.2	82.7
3.5	3.5	4.0
100	83	58

spike in PP 25' Lt sta 17+06



Manhole Adjustments

approx. sta		Depth to FL.	Adj.	Flow Direction
0+00	28' RT	7.5	all brick	FROM
2+00	48' RT	10.0	9 rings	NE
3+00	23' RT	35-40'	6" block	NE
4+00	33' RT	9.6	4 rings	"
5+06	22' RT	35-40'	None	"
+59	32' LT	9.1	2 rings	"
6+07	37' RT	10.0	6 rings	"
7+98	34' LT	8.1	7 rings	"
8+02	40' RT	8.7	5 rings	To from S.W. Dead end
10+82	15' LT	Bell Telephone 3 Layers Brick + 8" Slab		



RG
JS
JL
FS
WM

April 18, 1961
Fair 45°

1

Stadia Locations

No. St. Paul Road

Shopping Center Bldg

$\frac{1}{2}$ Corner Elevations

2 pages

OBJECT

AZI

STADIA

At Sta 6+00 HI 5.29

to sta 13+00 0°00' N42°30'E Mag.

to SW Cor Bldg

274°57' 314'

SE Cor Bldg

302°16' 257'

NE Cor Bldg

305°08' 422'

73 40
100
473 40

DIST.

VERT.
ANGLEROD
EQUIV.

ROD

DIFF.

ELEV.

2

0°00'

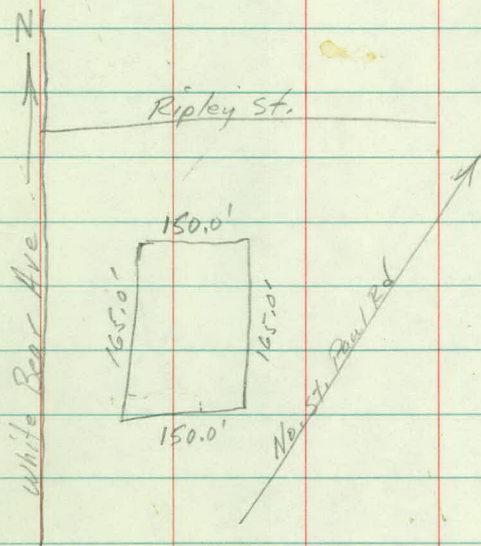
5.5

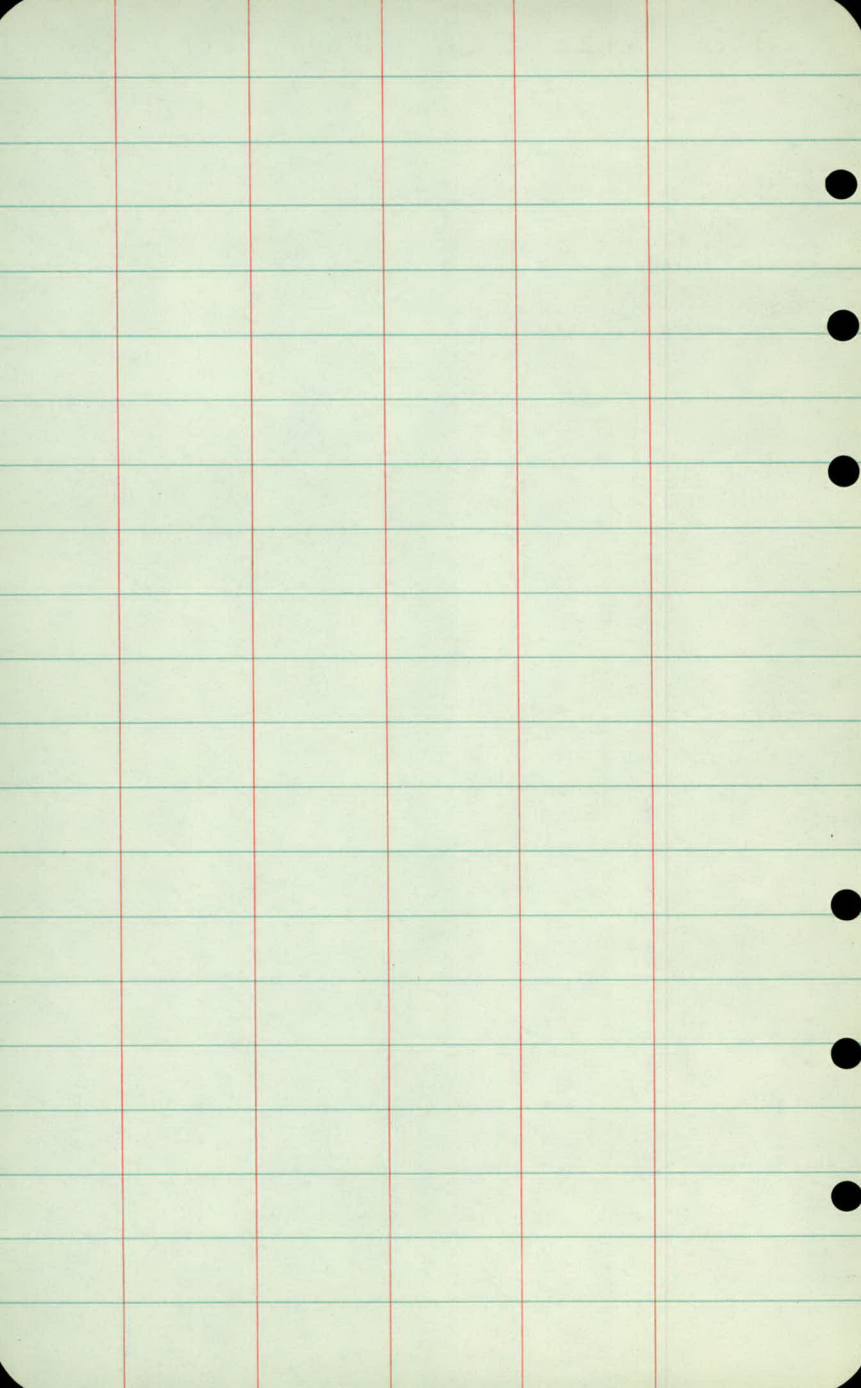
"

4.5

"

5.3





RG
JS
JL
WM
FS

Apr. 18, 1961
Fair 45°

1

Gas Pump & Sidewalk Elevations

2 pages

Sta	+	π	-	Elev
BM ₁	3.55	958.15		954.55 954.60

East Pump Island	So. end		3.26	
------------------	---------	--	------	--

"	"	No. end	3.23	
---	---	---------	------	--

Nest Pump Island	So. end		3.54	
------------------	---------	--	------	--

"	"	No. end	3.55	
---	---	---------	------	--

TP	5.16	960.88	2.43	955.72
----	------	--------	------	--------

PT A			5.67	
------	--	--	------	--

B			5.57	
---	--	--	------	--

C			5.53	
---	--	--	------	--

D			5.45	
---	--	--	------	--

E			5.36	
---	--	--	------	--

F			5.30	
---	--	--	------	--

G			5.14	
---	--	--	------	--

H			5.07	
---	--	--	------	--

TP	3.60	959.32	5.16	955.72
----	------	--------	------	--------

BM			3.00	956.32 956.33
----	--	--	------	------------------

KG
JS
JL
WM
FS

April 18, 1961
Fair 45°

2

SW Cor of West Footing Robt Hall sign

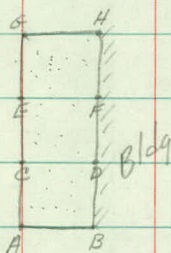
7+84

0+75 = No. Edge

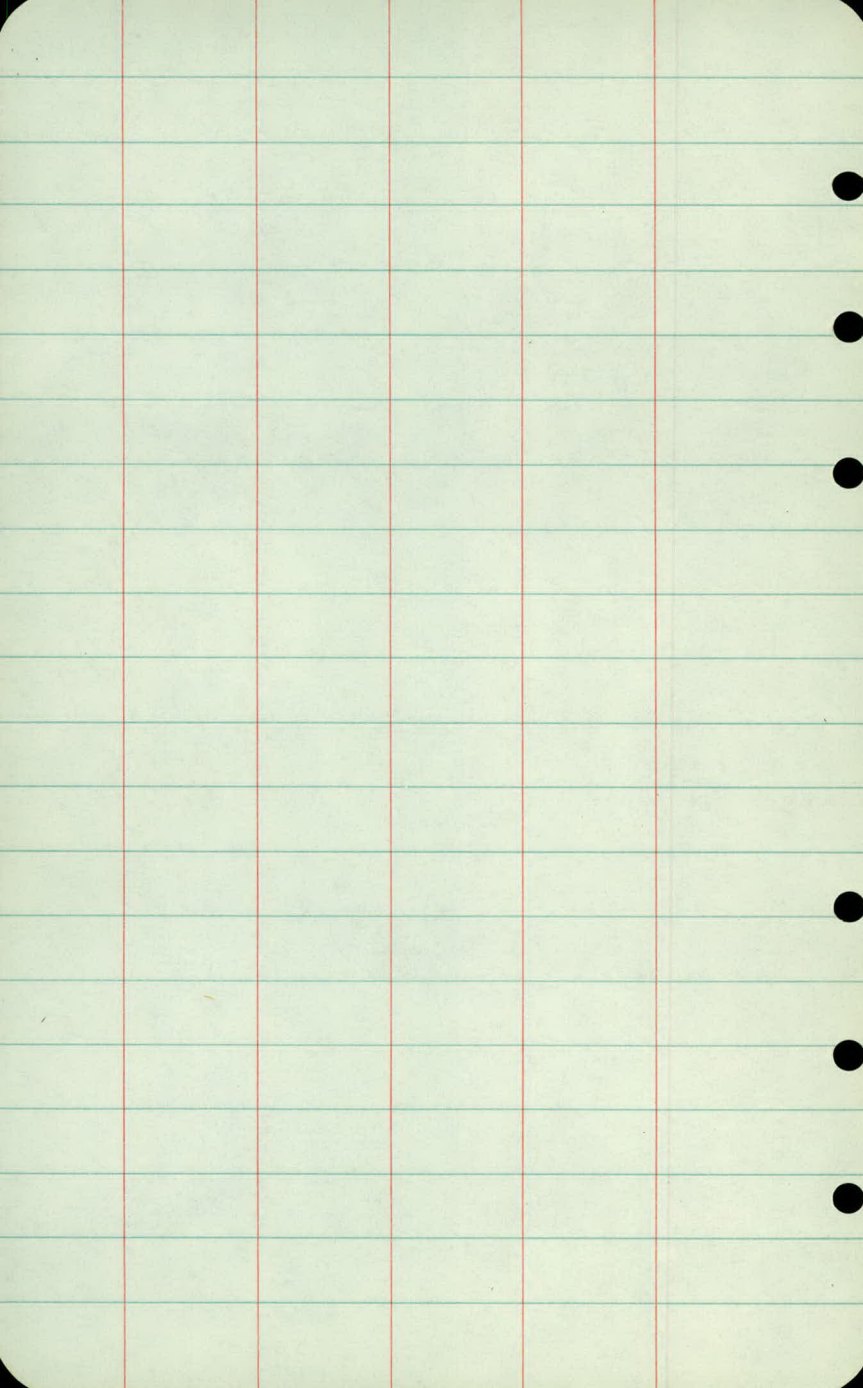
0+50

0+25

0+00 = So. edge



Top Hasp on Filler pipe in back of Filling Station



R6
TS
JK
WM
FS

April 17, 1961
overcast, 40°

Profile No. St. Paul Rd
sta 17+00 to sta 23+00

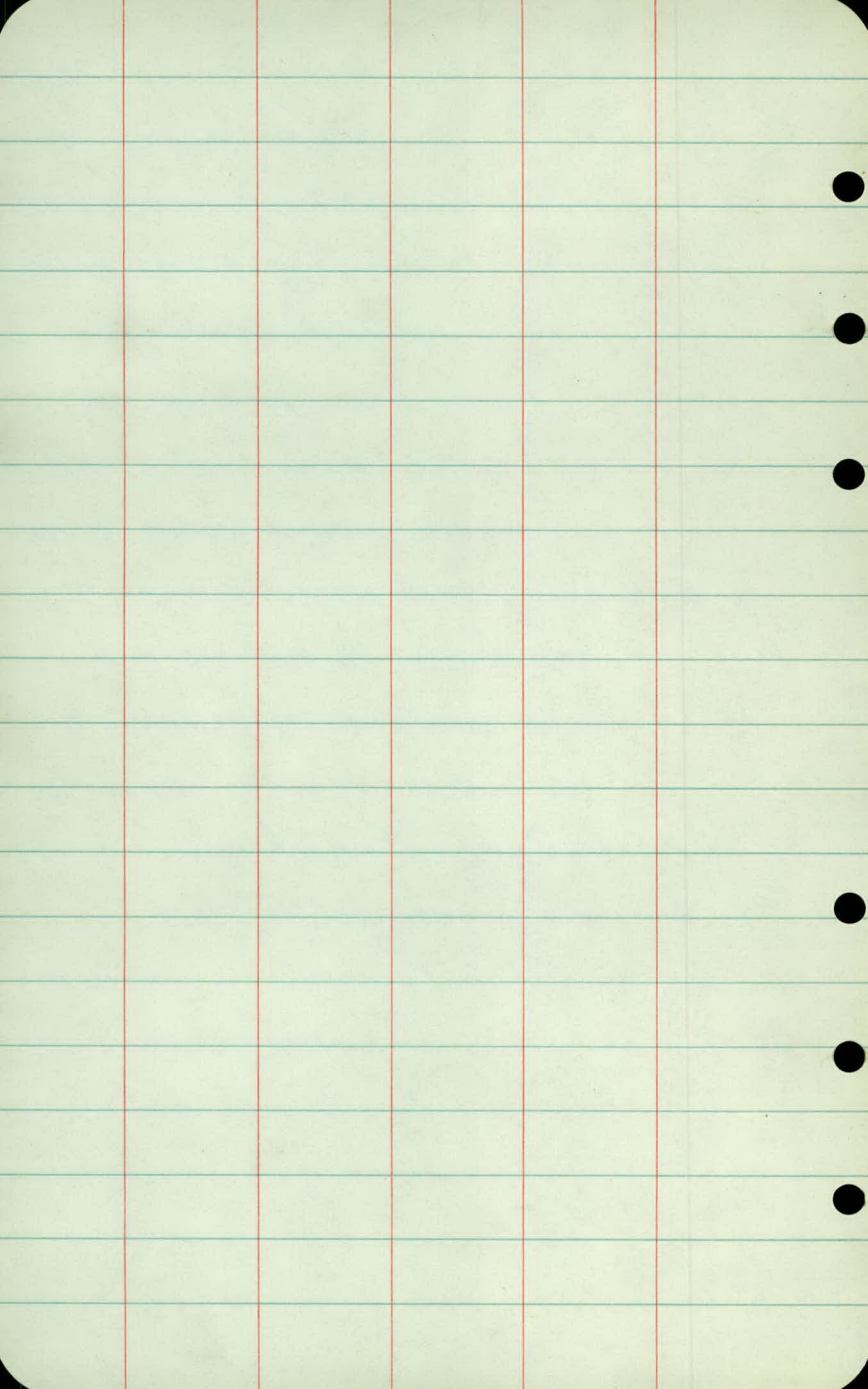
£ No St Paul
Road

Sta	+	π	—	Elev
BM,	5.87	988.72	81.7	782.80 982.85
17+00			2.05 82.5	
+50			6.2 83.1	
18			5.6 83.1	
+50			5.0 84.1	
19			4.6 84.4	
+50			4.3 84.5	
20			4.2 84.6	
+50			4.1 84.6	
21			4.1 84.6	
+50			4.1 84.6	
22			4.1 84.7	
+50			4.0 84.8	
23			3.9 82.85	
BM,			5.87	

£

April 17, 1961

Spike in PP Lt. Sta 17+00



RG
JL
wm
LB

MAY 4, 1961
FAIR CLEAR 3

NORTH ST. Paul Rd.

Additional X-sections

STA.

+

x

-

ELV.

0.92 955.48

954.55

954.56

0+00

✓

+24

✓

+29

✓

MAY 4, 1961

E

RE

4

Robert Hall sign

8.8	8.5	8.1	8.7	7.0	9.1	9.0	8.53
6.7	7.0	7.0	7.4	8.8	8.5	6.4	6.5
18	25	31	33	36	41	47	52
BT	BT						conc

8.9	9.1	7.7	7.1	7.0	8.1	8.3	8.0	7.3	6.8
175	159	135	120	116	106	100	80	67	55
BT ←			→ BT			BT ←			→ BT

9.3	8.7	7.9	7.4	9.3	9.8	8.7	7.5	9.7	50.2
6.2	6.8	7.6	8.1	6.2	5.7	6.8	8.0	5.8	5.3
	4	5	9	14	16	19	21	30	37

8.4	8.4	8.1	6.8	5.8	6.8	7.3	6.9	6.3	5.6
175	168	160	139	122	100	81	69	57	44
BT ←									→ BT

7.9	5.3	5.7	4.9	5.3	6.0	6.7	7.2	6.4	5.5
9	21	32	42	54	66	78	100	122	
				BT ←					

8.1	8.2	7.9	6.6
179	172	160	140
BT ←			

STA	+	X	-	ELV.
-----	---	---	---	------

		955.48		
--	--	--------	--	--

0+34				
------	--	--	--	--

✓				
---	--	--	--	--

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

✓				
---	--	--	--	--

1+75 WHITE BEAR ARC.				
-------------------------------	--	--	--	--

		15.23	940.25	
--	--	-------	--------	--

B.M.				
------	--	--	--	--

		0.93	954.55	
--	--	------	--------	--

				954.56
--	--	--	--	--------

2

MAY 4, 1961
Fair - Clear

Rt

5

49.6	50.3	50.8	50.6	49.9	49.1	48.4	48.7	49.1	50.2
5.9	5.2	4.7	4.9	5.6	6.4	6.7	6.8	6.1	5.3
	15	27	38	51	63	71	81	100	118

BT ←

57.5	47.9	49.3	49.9	50.6	50.0	50.3
8.0	7.6	6.2	5.6	4.9	5.5	5.2
175	159	139	139	130	130	125

BT BT BT ← BT BT

51.4	51.2	51.3	50.5	49.8	49.4	50.2	50.8	51.21	51.18
4.1	4.3	4.2	5.0	5.7	6.1	5.3	4.7	4.27	4.30
	21	32	44	56	70	81	98	98	100

BT ← BT T. Conc. C. T. Conc. C.

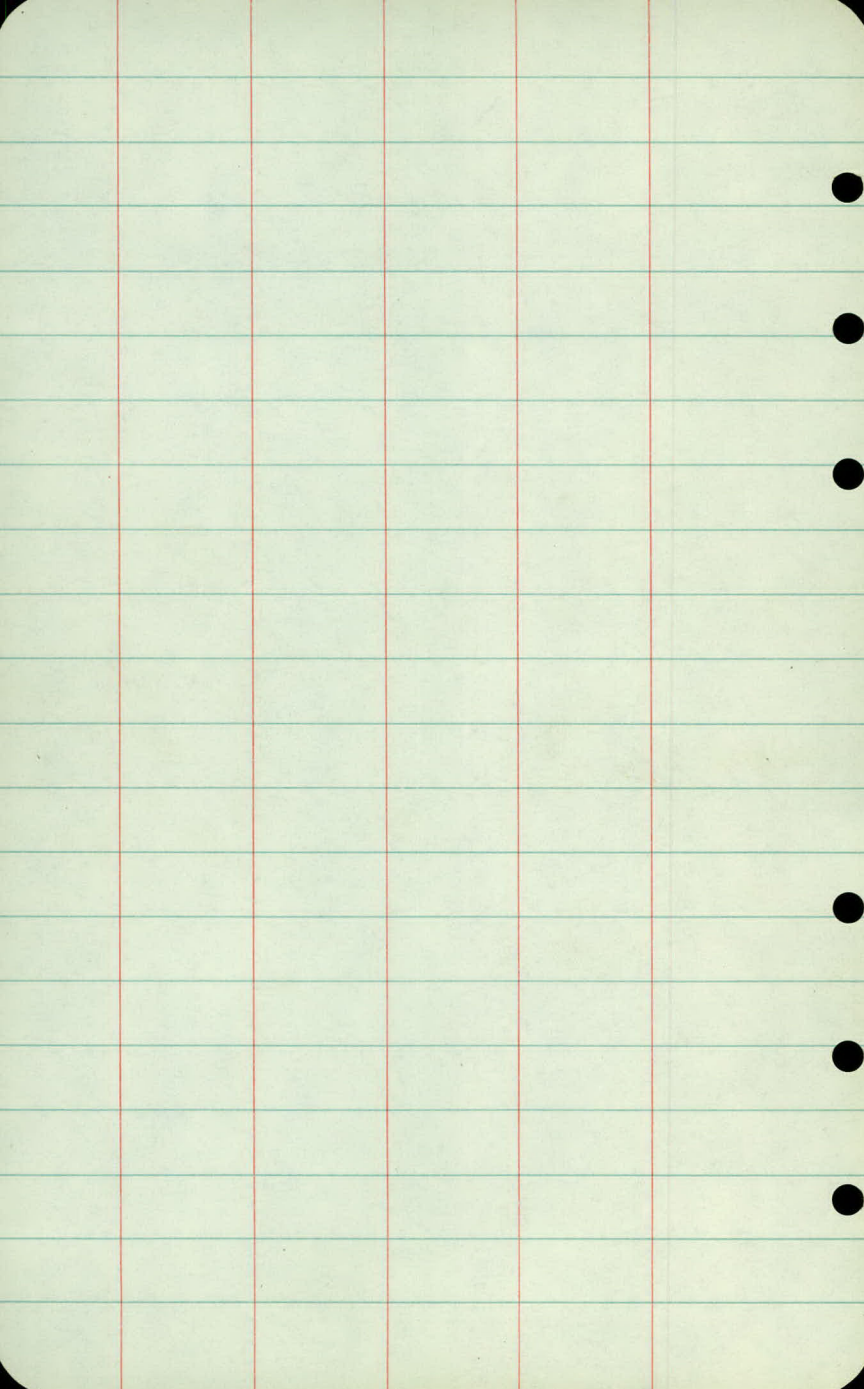
48.4	48.1	48.7	49.2	48.8	51.1	51.5	51.1	50.8
7.1	7.4	6.8	6.3	6.7	4.4	4.0	4.4	4.7
180	168	150.5	150	150	136	126	114	100

BT BT BC TC BC BT ← BT

27' Left

STA. 1475 WHITE Bear Avenue

FL. COL. V.



RG
JL
WM
LB

MAY 6, 1961
FAIR-CLEAR

5

Profile

NORTH ST. Paul Rd.
E of CURVE From
WHITE BEAR AVE.

STA	+	Σ	-	ELV.	
	0.72	955.28 ✓			954.55 954.56
-2+50			12.3	43.0	
-2+00			11.4	43.9	
-1+50			10.4	44.9	
-1+00			9.7	45.6	
-0+50			8.5	46.8	
0+00			6.6	48.7	
0+50			4.5	50.8	
1+00			2.2	53.1	
1+50			0.0	55.3	
T.P.	10.61	965.99 ✓	0.40	959.88 ✓	
2+00			8.6	56.9	
2+50			6.7	58.8	
3+00			5.0	60.5	
3+50			3.6	61.9	

Lt.

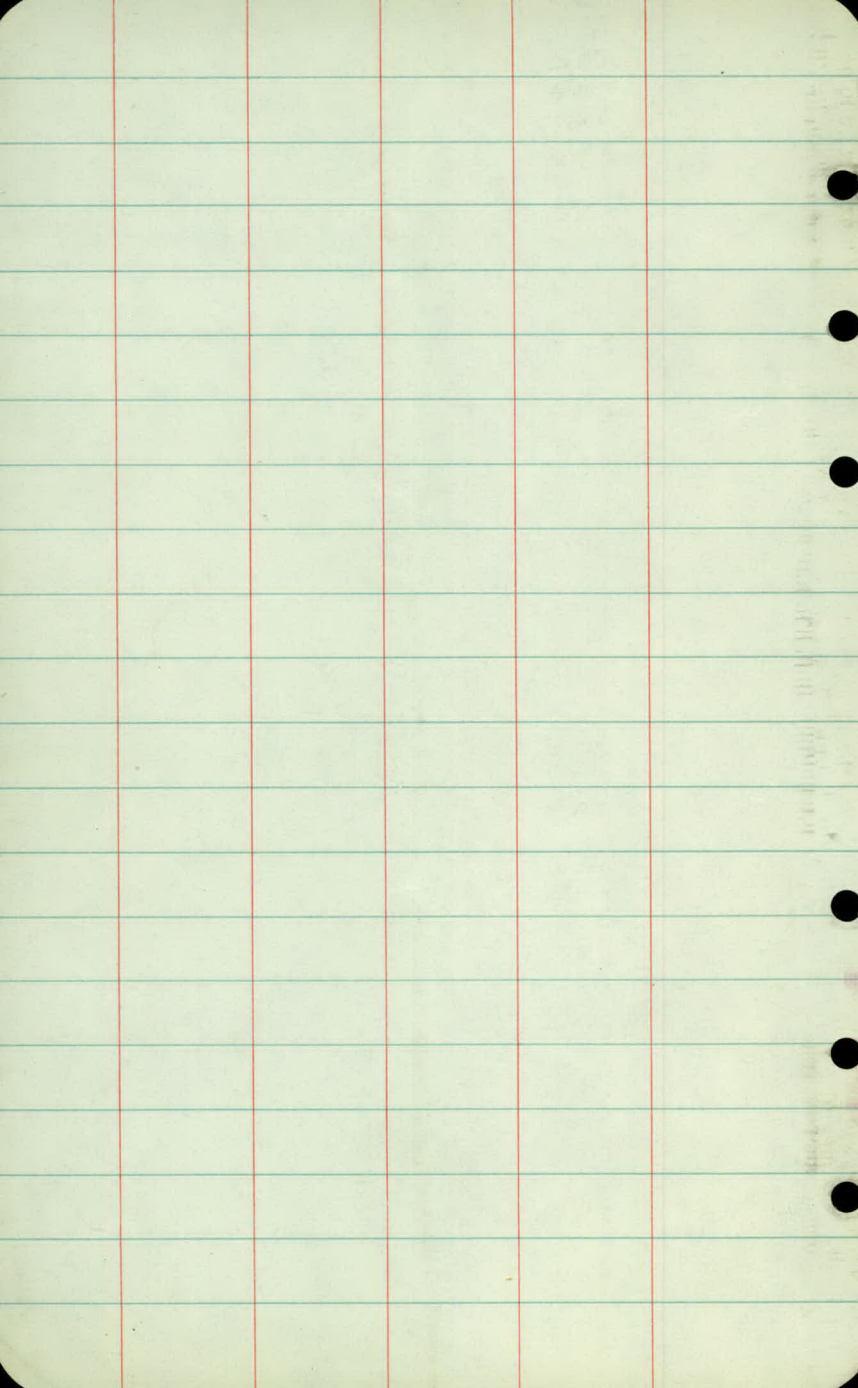
£

MAY 6, 1961
FAIR-CLear
RE

6

Rock

Recd. by K.A
CK. " Goldie



9.9 FL

Bring Adj

2+80 MH
30' Lt

Elev 0.5 lower than Sta 3+00 2.

From NE
8+29 MH
22' RT
From WNW
45'-50' deep
No Adj
0.6 lower
than Sta 8+00 E
To SW

840
212.32
1032.32

