

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

WHITE BEAR AVE.

From Larpenieur To Frost

Road Acc't. No. _____

Date Filed 7-5-61

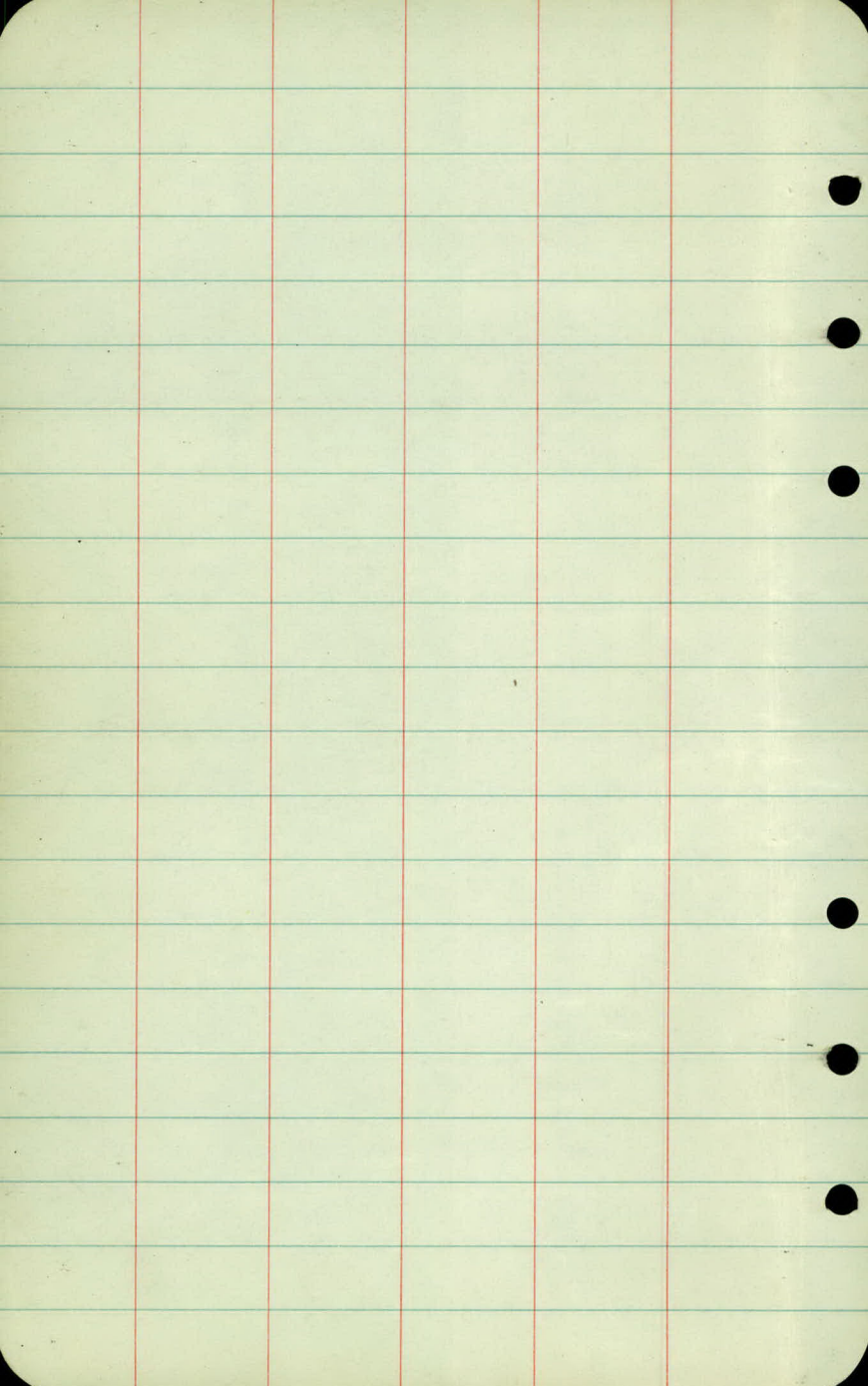
DR. 9
File BK. 40

Plan Survey
White Bear Avenue

Larp. Ave. to Approx. 1300' No. of Frost Ave.
(Additional Alinement to Prosperity Ave.)

Page 1	=	Title
" 2-3A	=	Alinement
" 4-5A	=	Bench Levels
" 6-22H	=	Topography
" 23-66	=	X-Sections
" 67-69	=	Bench level check

Received office
1-11-66 JK



12 DEC. 1960
COLD 30°

2.

ALINEMENT

Sta	Point	Alt.	Art.
-----	-------	------	------

38+56.09	P.K.		
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26+24.24	DRILL HOLE		
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		$0^{\circ}12\frac{1}{4}'$	
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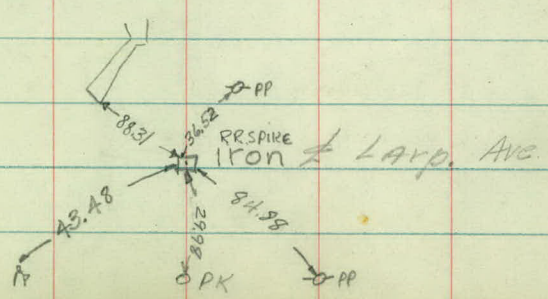
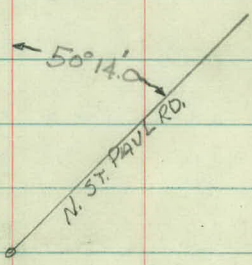
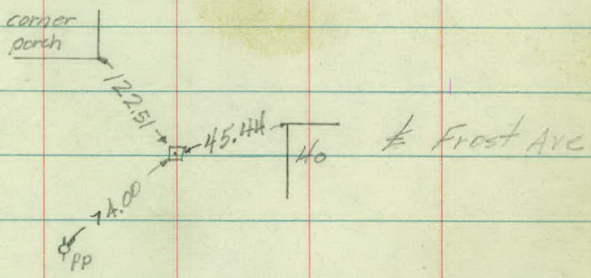
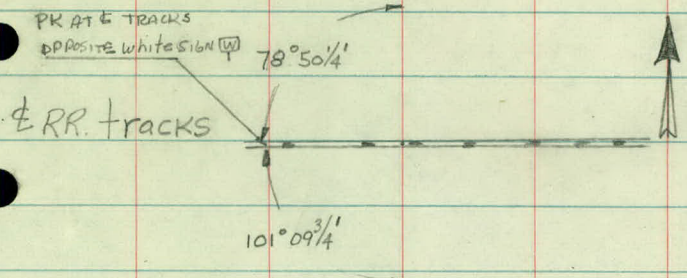
17+74.97	P.O.T.		
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4+41.65	P.O.T.	N. St. Paul	EXTENDED
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0+00	Mont. SW. Cor.	Section 14	-T29-R22
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14 DEC. 1960
COLD 30°

Lt E Rt

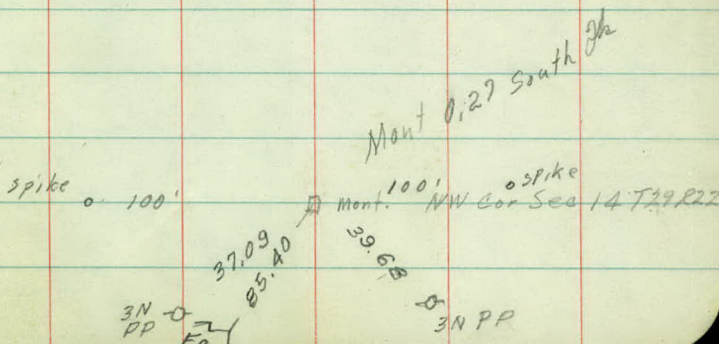
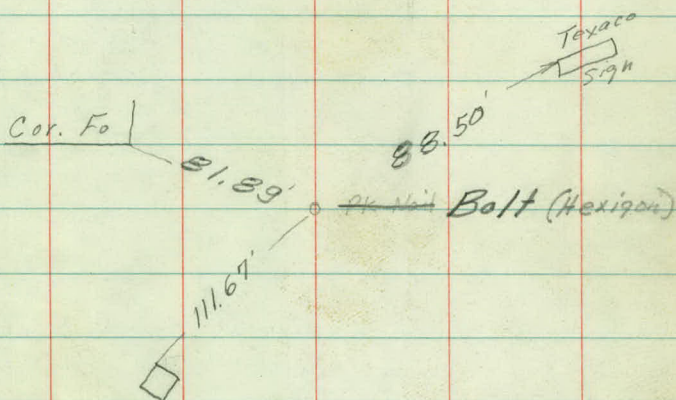


Sta	Pt.	ΔL	ΔR	Defl
65+00	End			
62+71.88	PT			$24^{\circ}24'$
+50				$22^{\circ}13'$
62+00				$17^{\circ}13'$ $D=20^{\circ}$
61+57.83	PI		$48^{\circ}48'$	$T=129.95$
+50			$12^{\circ}13'$	$L=244.00$
61+00			$7^{\circ}13'$	$R=286.48$
+50			$2^{\circ}13'$	
60+27.88	PC			$0^{\circ}00'$
212				
72.95				
52+72.68	E.C. Rd "B"			

RG
JS
FS
WM

Jan 16, 1960
Fair 40° Windy 3A

E



City Ties



Larp. + White Bear Ave.

Conc. Ftg.
of Skelly sign.

□ 53.39

35.68



41.31



AB, AB

Hyd. 0

K.P.
O.S.
F.S.
RB
LB

15 DEC. 1960

4

Bench Levels

Sta	+	π	-	ELEV.
BM	8.05	949.96		941.91
TP1	12.84	961.66	1.14	948.82
TP2	8.06	969.51	0.21	961.45
TP3	10.13	979.16	0.48	969.03
TP4	4.61	980.56	3.21	975.95
TP5	8.14	977.85	10.85	969.71
			10.79	967.06
TP6	0.65	974.15	4.35	973.50
TP7	0.59	961.84	12.90	961.25
TP8	0.26	953.37	8.73	953.11
TP9	0.69	942.00	12.06	941.31
TP10	1.43	933.06	10.37	931.63
BM			10.24	922.82

1.43' Diff between Hyds.
at California & Larpenteur

LT.

E

RT.

HYD. S.W. COR. WHITE BEAR AVE & LARPEUR

NAIL E STA 4+41.65

S.E. COR. SIDEWALK HO# 1773 (YELLOW HO)

S.E. COR. LOWER STEP HO# 1805

TOP NAIL E STA 19+00

TOP NAIL E STA 25+00

TOP MONT WHITE BEAR AVE & FROST

TOP HYDRANT 100' E. STA 27+25

TOP S.E. COR TOP STEP HO# 1959

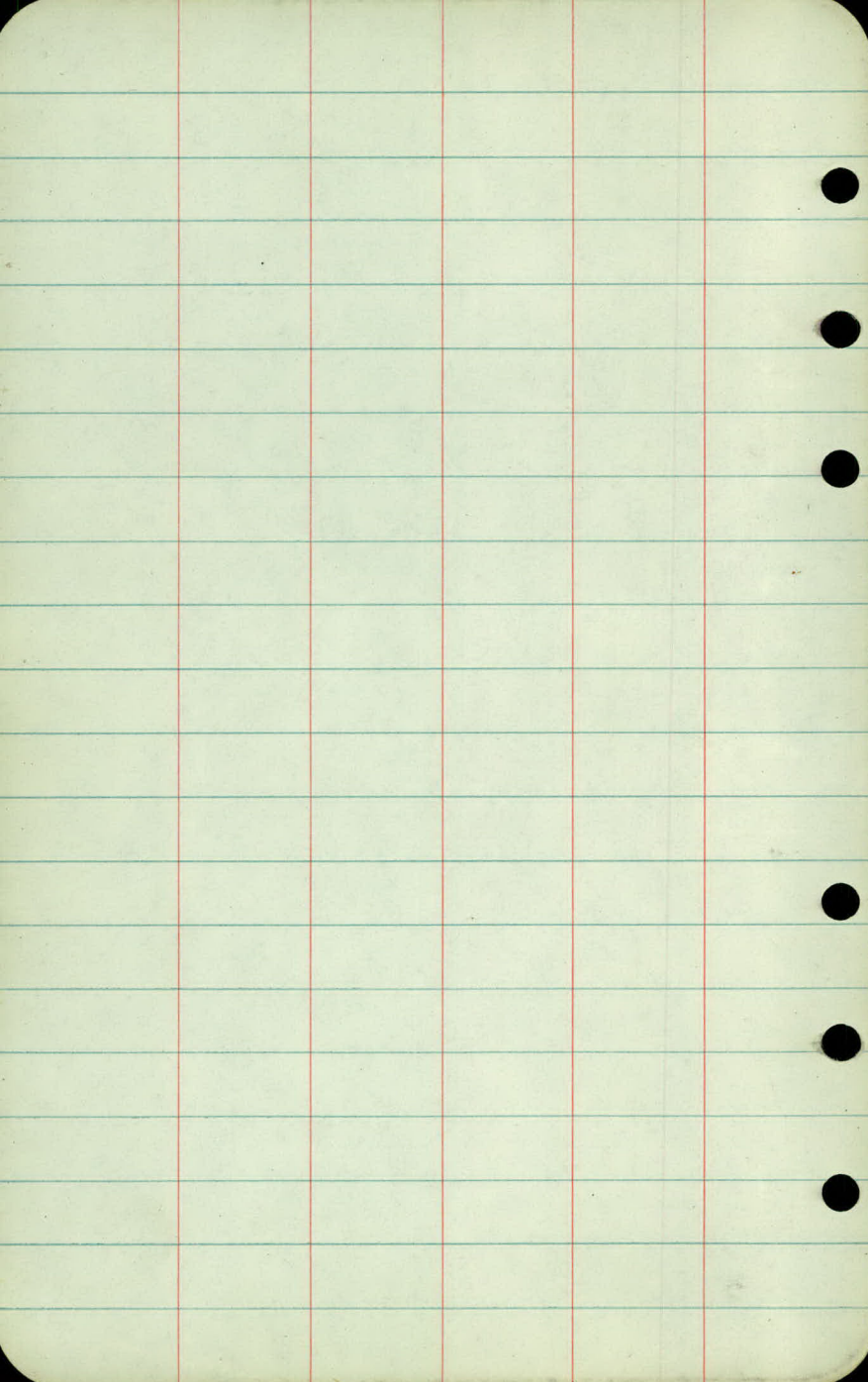
TOP N.E. COR LOWER STEP HO# 1975

S.E. COR ENTRANCE LT STA 33+50

TOP NAIL E STA 36+00

TOP N.W. COR CONC. FOUNDATION CONTROL

BOX S.E. COR RR TRACKS



White Bear Avenue

Bench Levels

Larp. Ave. north to Frost Ave.

Sta	+	π	-	Elev	
BM	0.79	974.30			<u>973.50</u> <u>973.51</u>
			7.22	967.08	967.07
BM	5.76	977.33	2.73	971.57	971.56
TP	6.13	982.68	0.78	976.55	
BM	0.99	979.95	3.72	978.96	978.95
TP	1.54	969.17	12.32	967.63	
BM			0.11	969.06	969.05
BM	1.27	962.68	7.76	961.41	961.40
TP	4.65	954.98	12.35	950.33	
TBM,	0.91	949.73	6.16	948.82	948.82
BM			7.81	941.92	941.91

FK
RG
IL
LB

April 28, 1961
Windy cold 71

Top Hyd 100' Bt. Sta 27+25

Mont

Top Hyd S.W. Cor Frost & White Bear Ave

N.E. Cor Garage Ent Apron Ho #1831

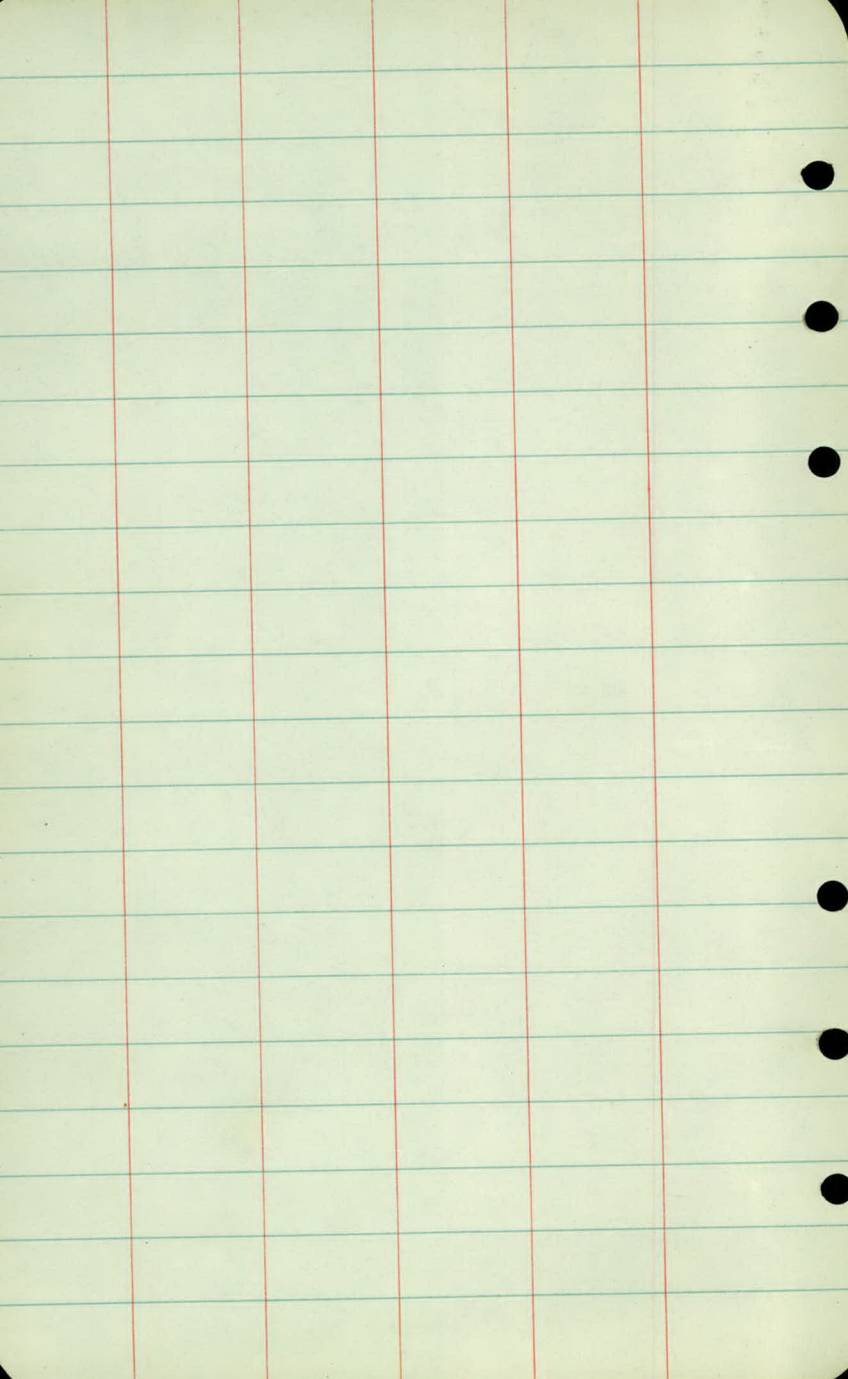
S.E. Cor Lower step Ho #1805

S.E. Cor Sidewalk Ho #1773

S End Culvert

Sta 4+41.65 E

Top Hyd SW Cor Larp & W. B Ave



KP
JS
FS
RB
LB

16 DEC. 1960
SNOW 25°

6

WHITE BEAR AVE
TOPOGRAPHY

2+00

LT

BT ~~BT~~
15 16

RT

+84 BUSH
52+76 N.END 18" CM
27+62 4" BE
57+76 BT BT
14 16+58 4" BE
57+65 N.END SIGN
44+53 4" BE
57+52 3" BE
57

+50

+51 3" BE
57+48 S.END SIGN
57+25 PP
26+02 NE COR BLDG
52

1+00

BT BT
28 17+94 CONC STEPS
47-53+58 SIGN
53-61+88 PHONE BOOTH +99 LTR FILE
48 45+84 CONC STEPS
47-53+72 BLDG
53+62 CONC. IS
44+48 CONC. IS
56+50 +144 SECON BLDG
78+147 SIGNAL PLATE
8-16+38 ENDCURT
17
+34 ERC
17MH 18' deep ±
+17 28
+18 End Curb
37.5+45 MH
11+41' iron pole
30+37 SHUTOFF
11+39 ERC
27+41 SIGN
37+27 SIGNAL STANDARD
36+32 GUY WIRE
39+35 PULL BOX
25+18 MH +22 BRC
30 37+25 SIGNAL LITE
37+18 BRC
38+26 PP
25+30 SIGNAL STANDARD
210+00 -2 MH
26

0+00 ± LAMP

+05 MH
15+07 ± SIGNAL PLATE
41-7 WATER SHUTOFF
35-7 ± SIGNAL PLATE
39-3 MH
23-18 CB
44-19 MH
16-16 ENDCURT -19 SW
43 33-33 B.S.W.
25-33-30 WATER VALVE
6-27 SW
23-33-19 SW
27-19 SW
33-16 ERC
37-37 BR -37 HYD
19 22-35 LIGHT STANDARD -27 SW
25 27-33-22 LIGHT STANDARD
36

0-50

-35 BRC -32 SW -27 SW
18 18-33 20

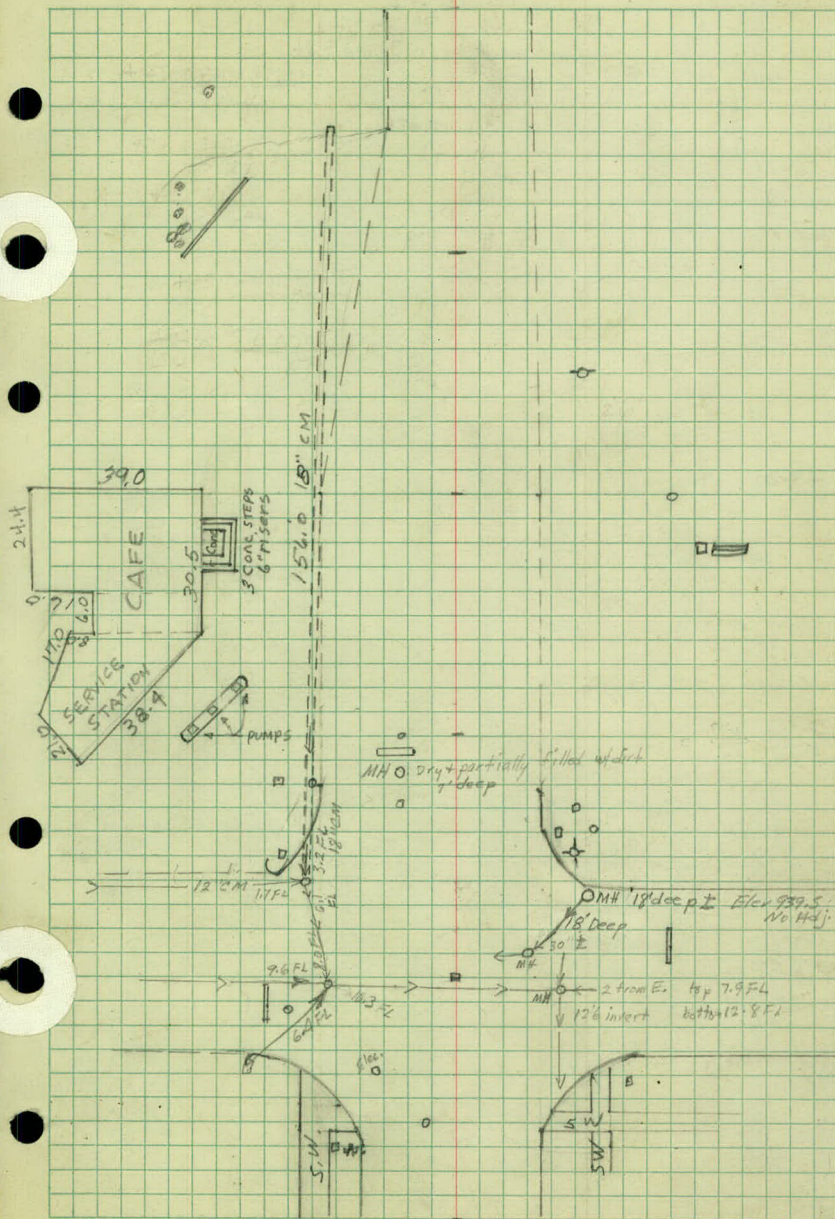
16 DEC. 1960

67

五

R +

7



4+50

LT.

E

RT

+48 S.END 12" X 31.0 CM
28

+25 POR
45
+20 Arch
27

+25 POR
69
+23 MH
20
+10 POR
16
+14 POR
38
25

4+00

+84 Begin Hedge BT BT
14 12
46-51

+400 POR +400 POR
58 25

+93 30" COTTONWOODS
62

+72 POR MH
25 57

+55 PP +56 POR
73 42

+50

+32 E Driveway +43 12" ELM
59

+31 POR
H

+18 10" ELM +19 S.END 10" X 24.0 VIT
25

+09 MH ELM 59
16

+06 30" COTTONWOODS
51

3+00

+89 12" ELM BT BT
59 14 23
+76 N'S SPRUCE
52

+80 POR
19

+67 14" ELM
59

+59 MH
30

+62 BUSH
52

+53 BR
15

+50

+50 E Driveway

+38 BUSH
52

+49 PP
27

+38 S.END 15" X 20 CM +36 14" ELM
26 59

MH
+38 20

+15 6" POK +16 10" ELM
21 59

+152 SIGN POLES I BEAMS
54 64

2+00

BT BT
15 16

K.P.
J.S.
FS
RB
B

19 DEC. 1960

8.

LT

E

RT

HEDGE

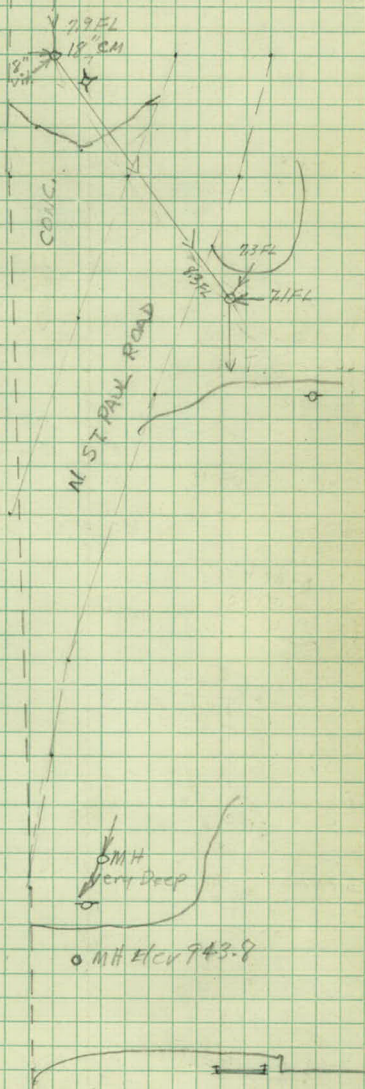
CONC.

N ST PAUL ROAD

Loc 0
7' deep

MH
7' deep

MH Elev 743.8



7+00 2+ BT BT RT
 +92 Seedling 48 13 11
 +80 Seedling 48
 +68 Seedling 48 +94 MH 20
 +60 Seedling 48
 +74 Seedling 48
 +60 1" PINE 48 +72 DRIVE

+51 S. END 15" X 35.0 CM

24

+50

+50 Seedling 48 +33 seedling 48
 +45 Seedling 48 +29 Seedling 48
 +37 Seedling 48 +19 Seedling 48
 +12 Seedling 48

+41 Life pole 37

6+00

BT BT
13 13

+98 DRIVEWAY +87 SEND 15" X 20.0 CM
 +82 stump 34 +61 5" MAPLE 68

+92 N. END PUMPBASE

+87 PUMPBASE S. END

+87 PP 27

59

+50

+45 begin 2.0 sidewalk 25-100
 +41 DRIVE

+31 S. END 15" X 20.0 CM 24

+23 DRIVE

+09 5" MAPLE 68

+05 SIGN 48

5+00

BT BT 000 TELEPHONE BOOTH
14 11 50

+68 DRIVE

+61 END HEDGE 46-51 +61 TRIN 4" PP 52

4+50

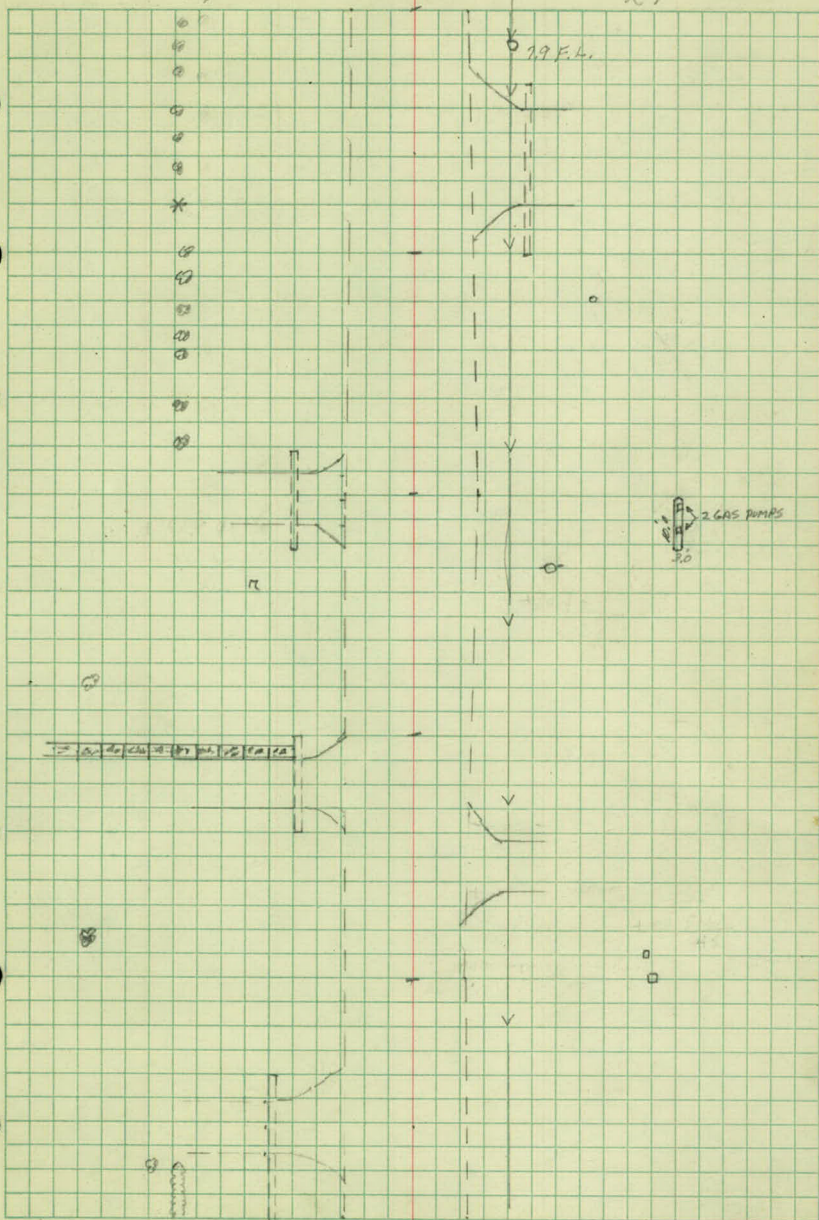
+61 12" MAPLE 57

19 DEC. 1960

9.

LT

RT



+50

L

E

R

+48 4" SPONGE

59

+19 E DRIVE

9+00

+89 E DRIVE

BT

BT

+09 S. END 15" X 20.0 CM

22

13

11

+79 S. END 15" X 20.0 CM

24

+73 1 1/2" MAPLE

42 +65 10" BIRCH

67

+50

+44 12" ELM

41

+33 E 15 CONC. DRIVE

52

+28 E 1 1/2" CONC.

52

+31 E DRIVE

+22 CONC. DRIVE 20' + 27 CONC. DRIVE 20'

52

52

+11 E DRIVE

+07 1" MAPLE

8+00 40

BT BT

13 11

+88 1/2" PINE

40

+78 BUSH

40

+81 S. END 15" X 20.0 CM

25

+99 S. END 15" X 20.0 CM

22

+52 LIGHT POST

54

+66 PP

26

+50

+28 S. END 15" X 20.0 CM +37 E DRIVE

26

+44 2" D WALK (CONC.)

47

+12 E DRIVE

+01 S. END 15" X 20.0 CM

25

+37 SIGN

30

7+00

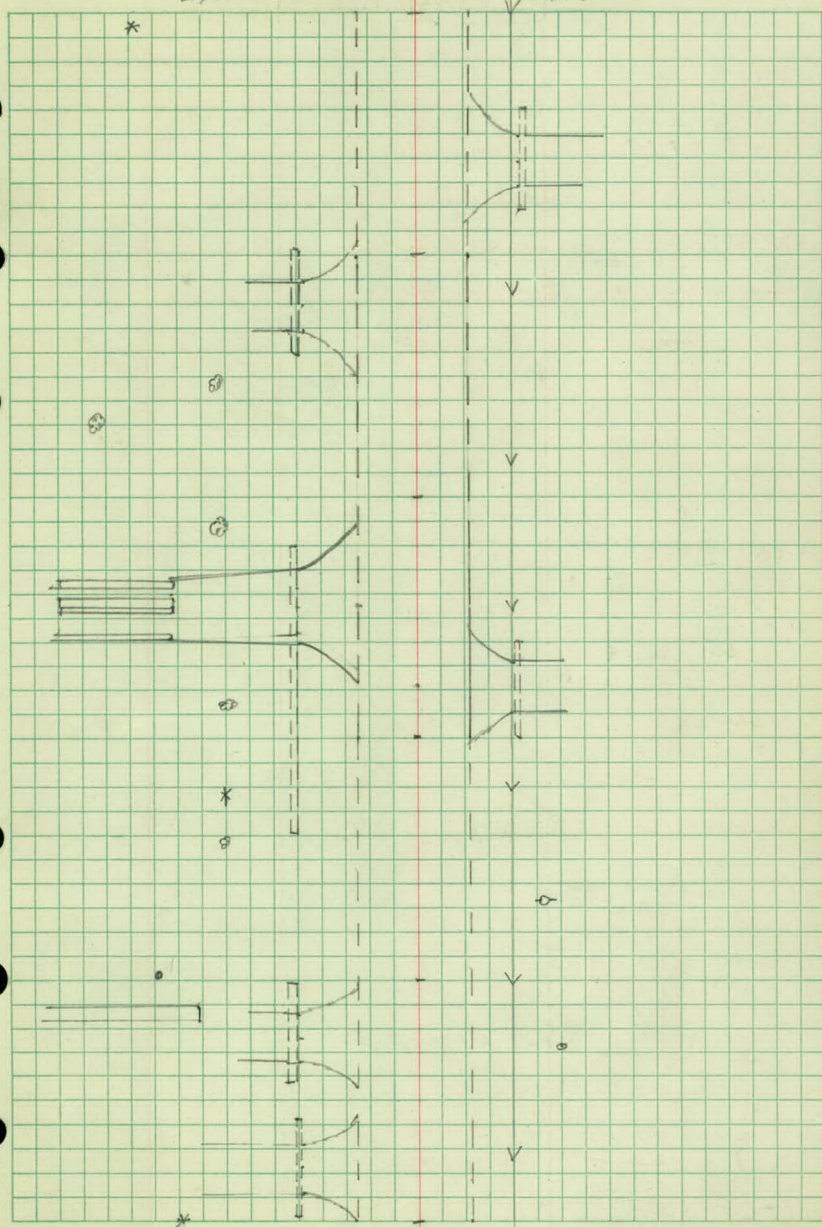
1" PINE

49

Lt

~~E~~

↓ Rt



12+00 Lt

13 11

Rt

+71 & DRIVE +87 S. END 15" X 20' CM

+60 SEND 15" X 20' 25
+64 WALK (2X2) 29

+82 10" MAPLE 25
55 +61 LITE POST 53
+98 & DRIVE

+50 +50 2" BALSAM 58

+37 4" MAPLE 62

+14 2" BIRCH 57

+16 PP 26

11+00

BT BT
13 11

+69 5" SPRUCE 66
+76 5" SPRUCE 58

+66 5" SPRUCE 56

+51 LIGHT POST 48

+50

+40 & DRIVE.

+32 S. END 15" X 24' CM 25

+10 6" BLUE SPRUCE 62

+23 MH 21

10+00

+02 6" SPRUCE 70

BT BT
13 11

+66 SEND 15" X 40' CM

+82 & DOUBLE DRIVE

+63 4" SPRUCE 59

+54 PP 27

+59 4" SPRUCE 69

9+50

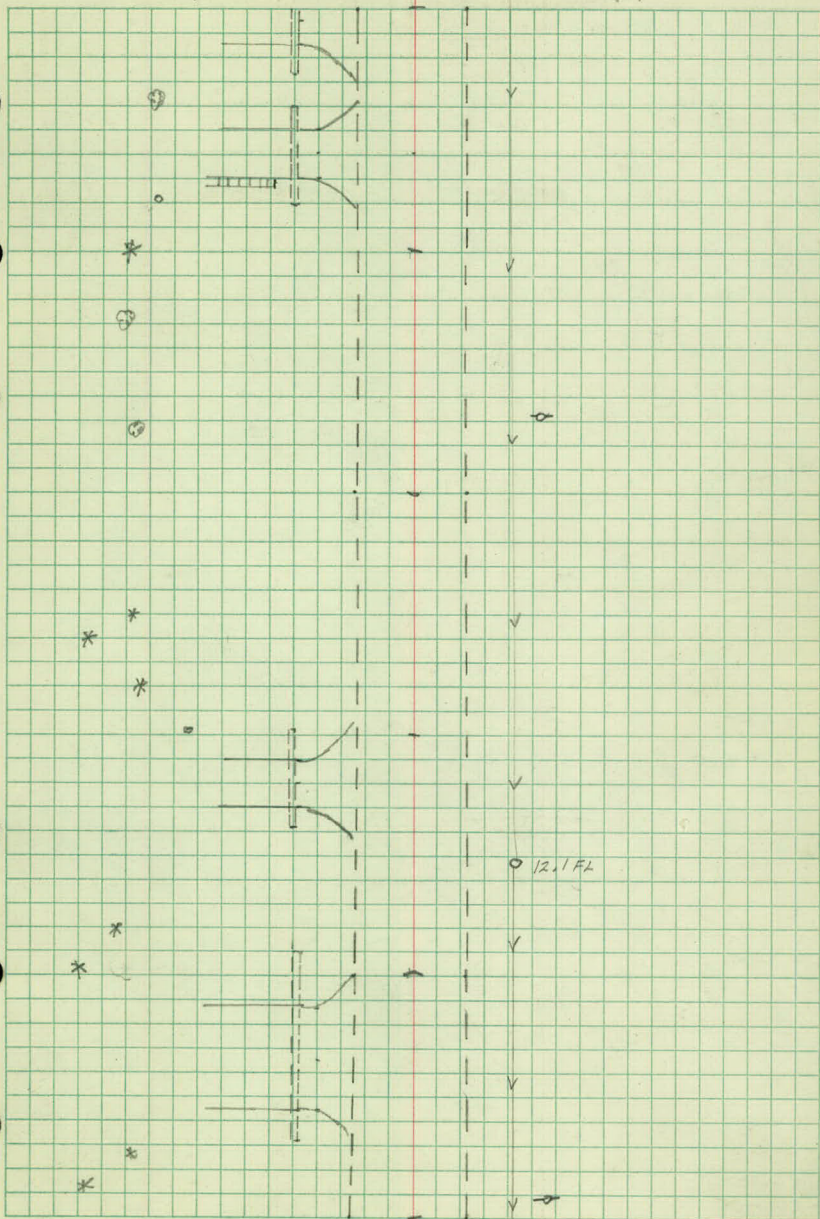
19 DEC. 1960

11.

Lt

£

Rt



+50

Lt

E

Rt

GATE P.D.
+46 32

+39 P.D.
28

+39 S.END 15"X20" CM
22

14+00

+98 RUN SCY
20-100

+98 SIGN
28

BT BT
15 12

+88 ER
14

FC
32

+87 DRIVE

+75 S.END 15"X20" CM
23

+61 GATE
32

11H
+58 24

+53 GATE
43

+66 M.H.
20

+51 POR
31

+50

+45 F.COR
47

+46 ER
31

+48 ER
55

13+00

BT BT
13 11

0+100 POR
27

+90 DRIVE

+98 6" SPACER
60

+95 ARCHITABLE
27

+99 VALVE
33

+81 S.END 15"X20" CM
22

+85 12" OAK
51

+91 12" OAK
51

+57 20" OAK
30

+76 BR
12

+50

+21 CUSH
55

12+00

13 11

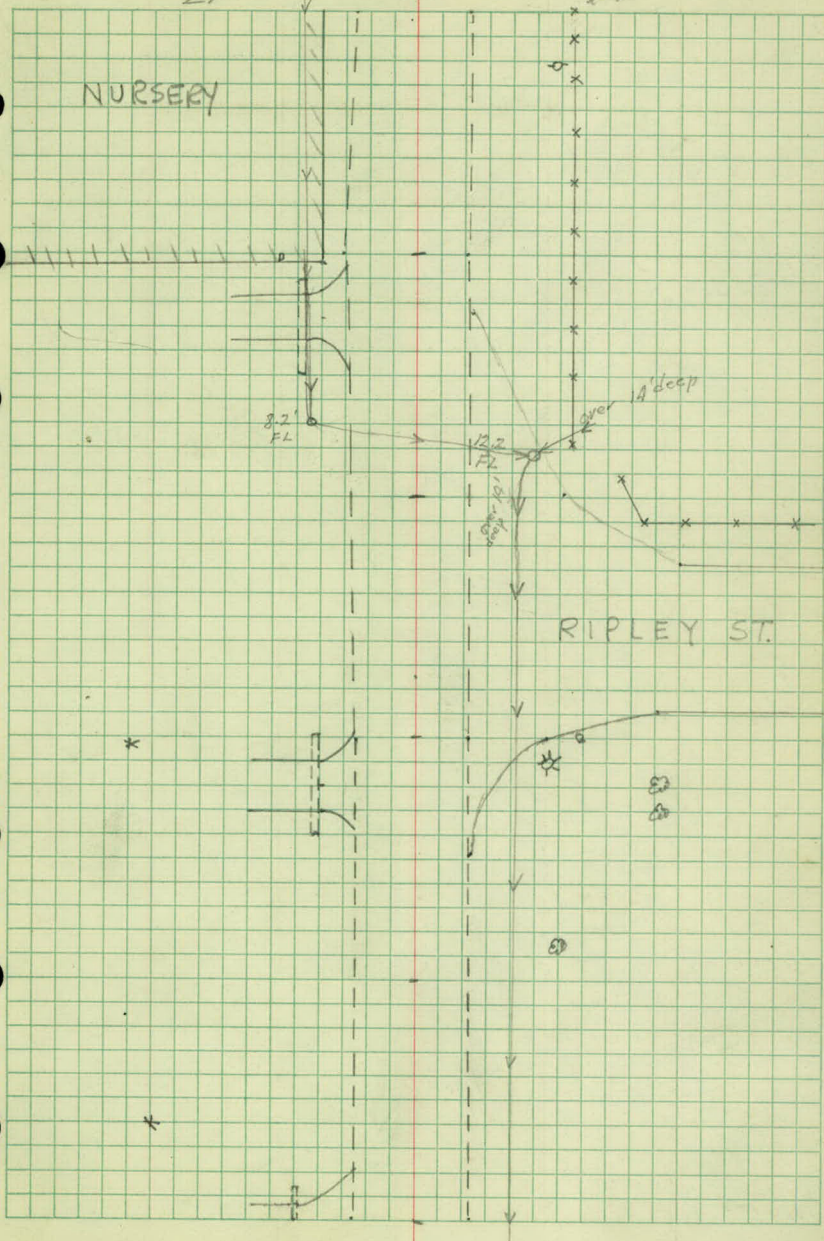
24

4

Pf

NURSERY

RIPLEY ST.



17+00

BT
13BT
11Fence
32

+85 3" CORRUGATED

48

+65 Twin Willow

49

+61 Triple Willow

49

+53 Triple Willow

47

+50

+48 Post

22

+36 4 Drive

+26 Triple maple

27

+26 SE END 15" X 20" CM

23

16+00

BT
13BT
11

+85 ROW TREES (4.0 CIRC)

46-100

+55 6" TWIN BLM

46

+73 4 Drive

+73 MH

22

+93 PP

26

+62 BUSH

54

+58 Triple BE

37

+58 BUSH

54

+50

+36 18" BE

54

+10 NE END CONC APPROX

29

+14 STUMP

31

15+00

BT
13BT
11

0+00 STUMP

31

+95 SE END CONC APPROX

29

+75 END NURSERY

20-100

+60 WATER SHUTOFF

43

+56 GATE POST

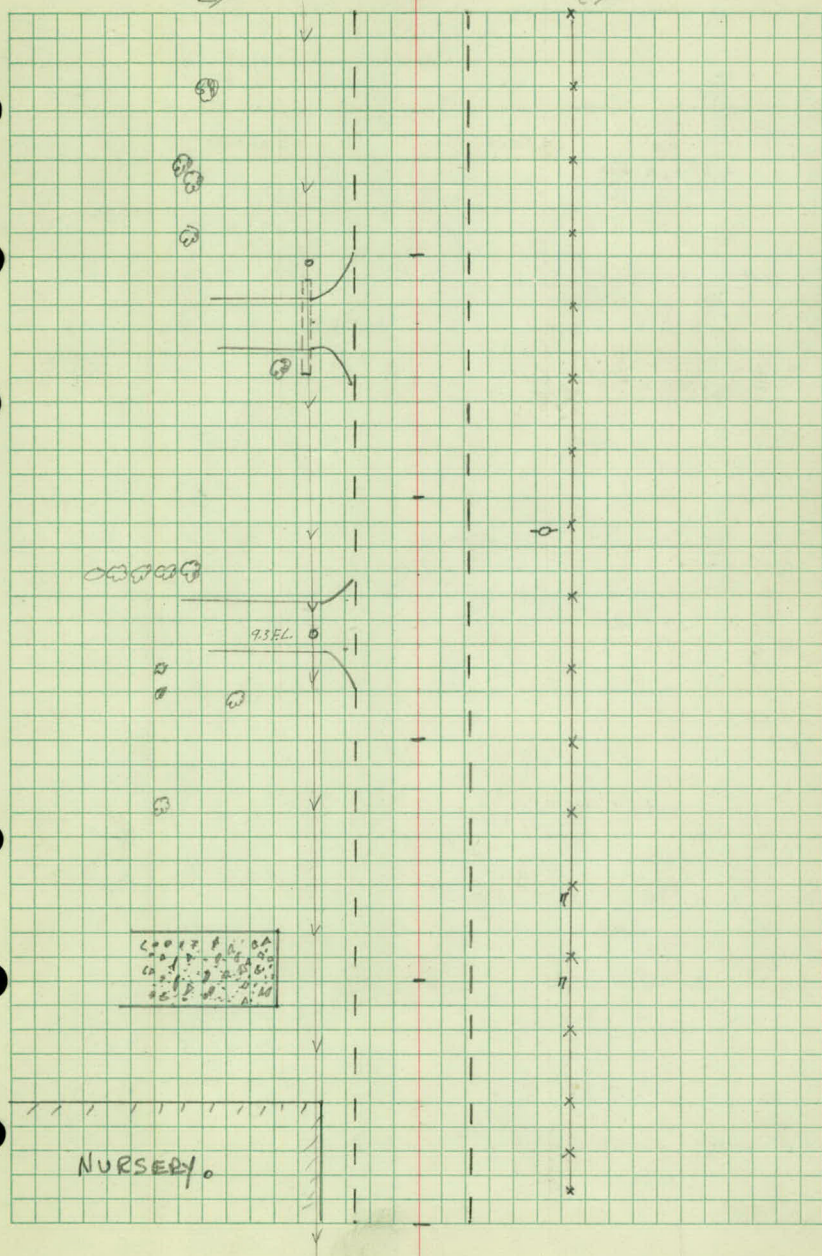
32

14+50

Lt

E

Rt



19+50

Lt

Z

Rt

+08 18" ELM
38

19+00

+88 stump

BT

BT

Fe

+92 3" space +88 8" FINE
60 56

13

11

33

+76 Drive

+97 PA
27

+62 24" ELM
57

+50

18+00

BT

BT

13

11

+97 24" ELM
58

+84 Mc 69c
51

+81 MH
19

+60 W.S.O.
42

+50

+50 2x3 Flower box (bruc)
42

+48 Archite Pole
27

+39 Drive

+30 5.4x15" x 200cm
23

17+00

BT

BT

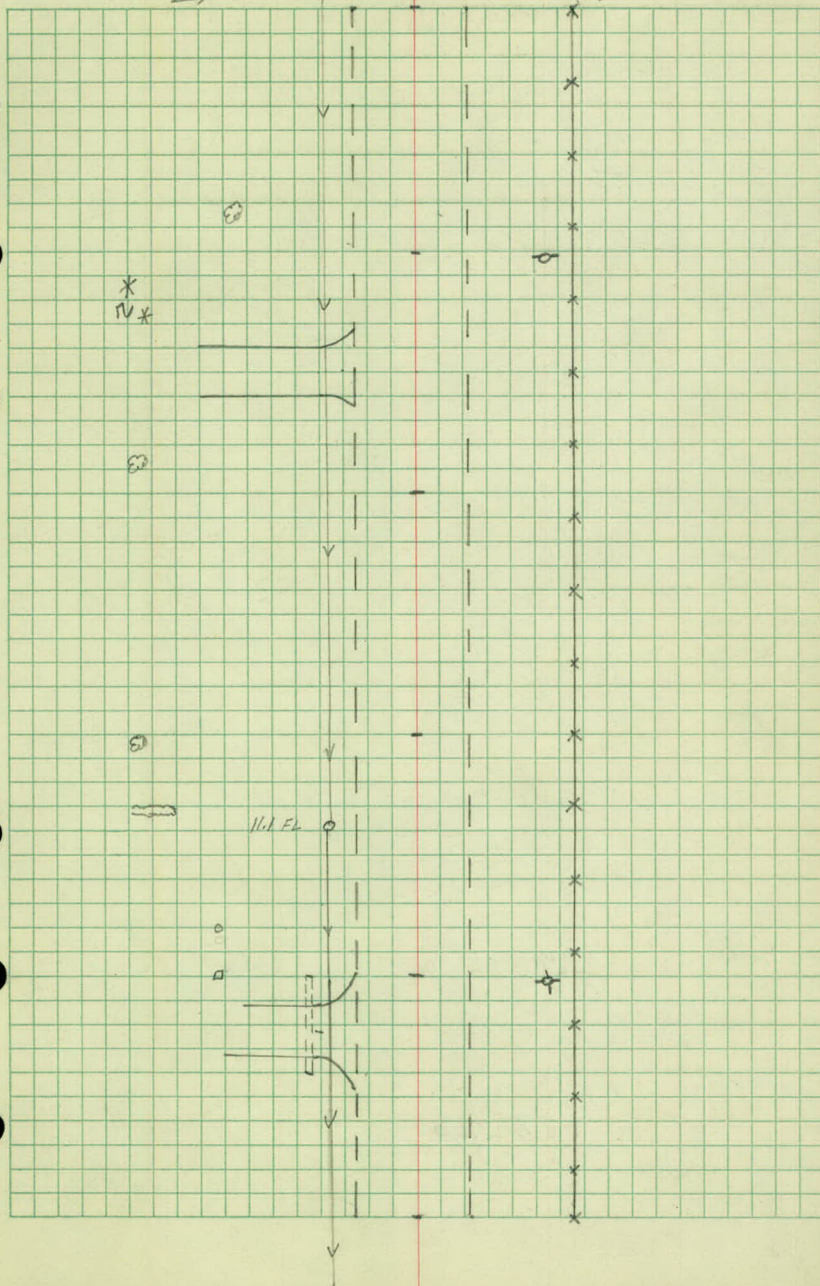
13

11

Lt

~~≠~~

Pt



22+00

Lt

RT RT

Rt

+78

NE COR CONC APRON
16

+89 & DRIVE

+93 RP

+70

SE END CONC APRON
16

+83 BLACKWALL

27

+61 SE END 15" X 40.0 CM

51

24

+50

+39 willows

34

+39 Stump

33

+23

willows

+23 12" willow

50

35

+10 & DRIVE

21+00

BT BT

+98 SE END 15" X 20" CM

23

11

+81 Iron Post

50

+86 4" poplar

47

+59 20" MAPLE

49

+53 Stump

34

+50

+30 20" MAPLE

49

+43 AP

27

20 +00

+81 conc wall

51

+56

15" SPRUCE

55

+88 16" MAPLE

50

+88 M.H. RT BT

19

+70 & DRIVE

Fc

33

+56 20" MAPLE

38

+56 SE END 15" X 40.0 CM

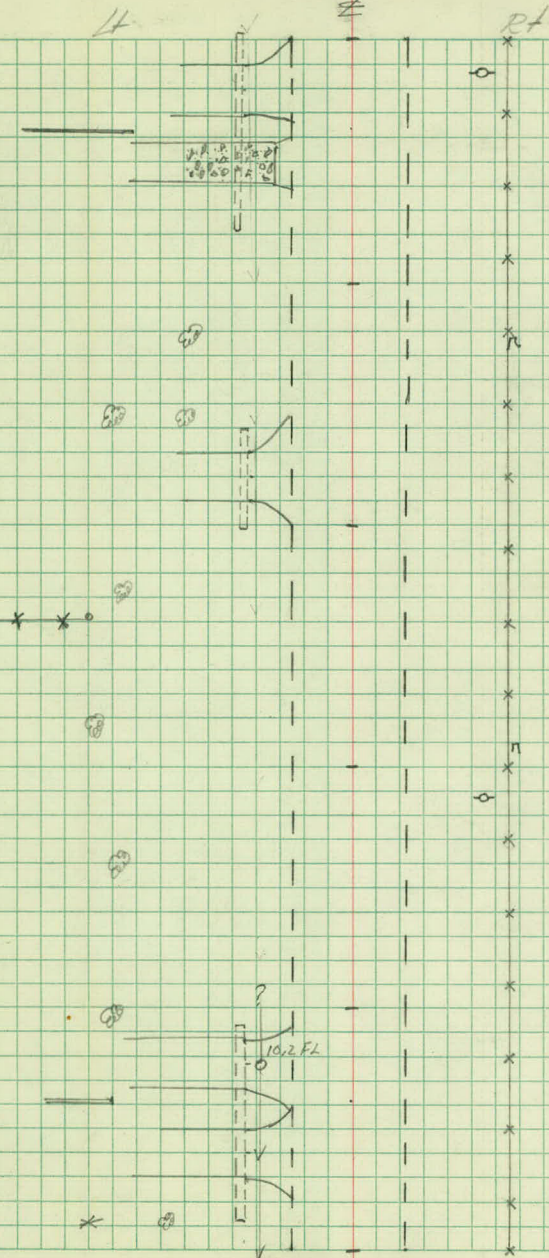
23

19+50

KP.
US
FS
RB
LO

20 Dec. 1960

15



24+50

Lt

±

Rt

+22 ± drive

+44 Beg Walk

15

+25 24' ELM

+11 SEND 15" X 20' CM

25

+24 24' ELM

30

24+00

BT BT

13

+05 6" PINE

51

+91 Beg road

+91 10" ELM

56

+16 4" WALK

+94

20

+80 ER

11

+71 ± drive

+72 POR

20

+72 20' BE

44

+60 SEND 15" X 20' CM

25

+62 BR

36

+50

+45 ± drive

+32 ER

+14 4" Birch

51

+17 18" ELM

82

+23 POR

21

POR

+03 4" Birch

51

+27 END FE

54

25

38

+18 BR

15

+23 Arc Bl.

28

+03 Stump

34

23+00

BT BT

13 12

FC

33

+82 Surface drain

23

+90 ± drive

+17 PKg Area L pt

52

+64 S. END 15" X 38.00 M

23

+74 ± drive

+60 10" ELM

38

+50

+44 MH

24

+46 12" ELM

52

+29 12" ELM

52

+07 12" ELM

52

22+00

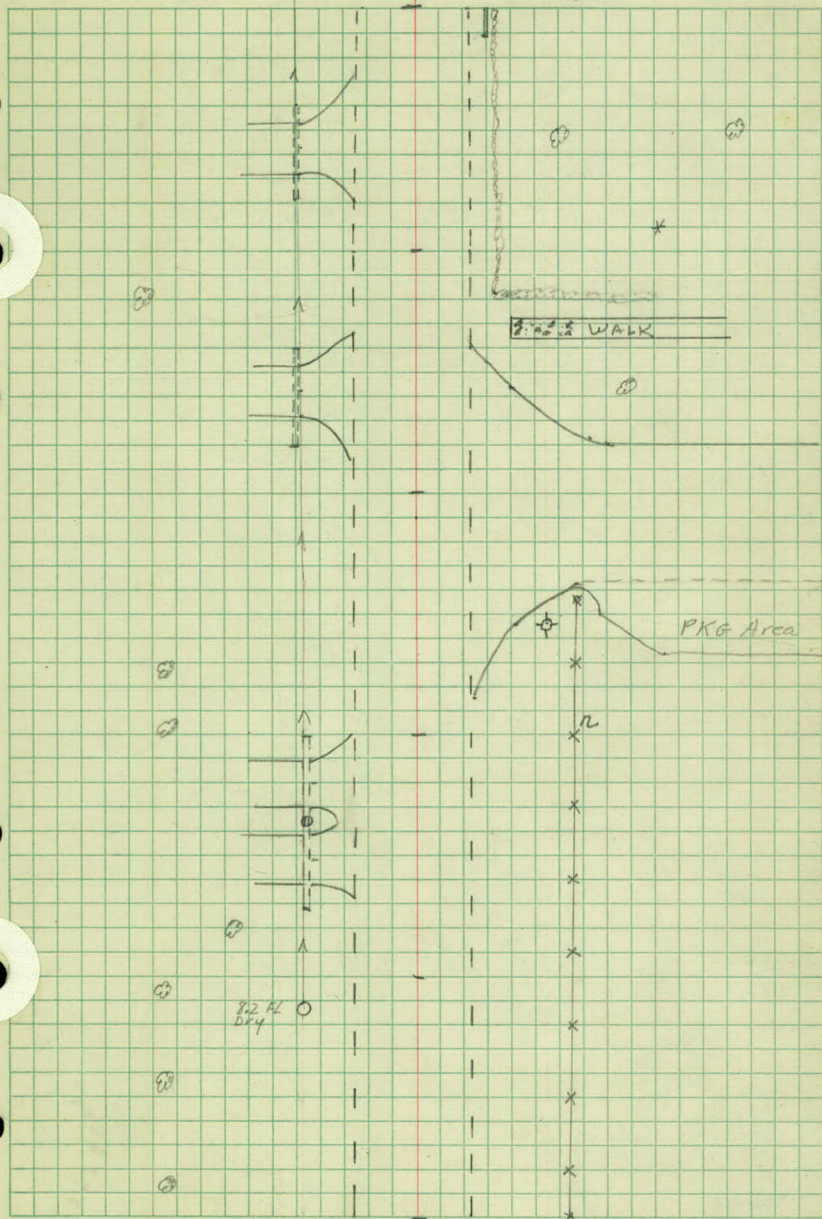
20 DEC. 1960

16

Lt

±

Rt



27+00

LT

BT BT

RT wall

+96 1" PINE

+88 1" PINE 17.5

17

+72 1" PINE

+80 5/8" BIRCH

+80 1" PINE

63

+83 ER

56

+98 40' ELM

30

+72 begin pine seedling

+54 5/8" BIRCH BT CUT

32

+50

+43 48' ELM

30

+39 CURVE IN SW

38

+33 NW COR ELM

45

+23 SW

37-40

+40 BR

54

+42 MH

70

+40 36" ELM

30

+23 SW

26-40

+44 ER

0+00 SW COR BIRCH

45

+41 1" PINE

44

26+00

45

BT BT

46

12

+94 Arc R/C

15

WALL

16

+85 POP

+72 5" MAPLE

54

+85 25

+60 5/8

18

+70 MH

24

+72 PP

68

+49 26" ELM

30

+62 Beg hedge

19

66 1/2" willow

38

+55 BACK OF STOPS

+51 6" MAPLE

54

+61 Beg wall

16

+61 SW 25

36-40

+50

+49 END WALL

16

+65 25 steps 8 steps

16

6" WIDE

+47 END HEDGE

18

+37 HYD

28

+38 SHUT OFF VALVE

10

+18 SEND 12" X 4 CM

22

+17 14" ELM

50

+36 5" PINE

29

25+00

BT

BT

WALL

12

9

16

+93 5" MAPLE

53

36" ELM

41

+76 12" ELM

44

+90 5" willow

39

+74 PP

14

+73 Guy Rd

31

24+50

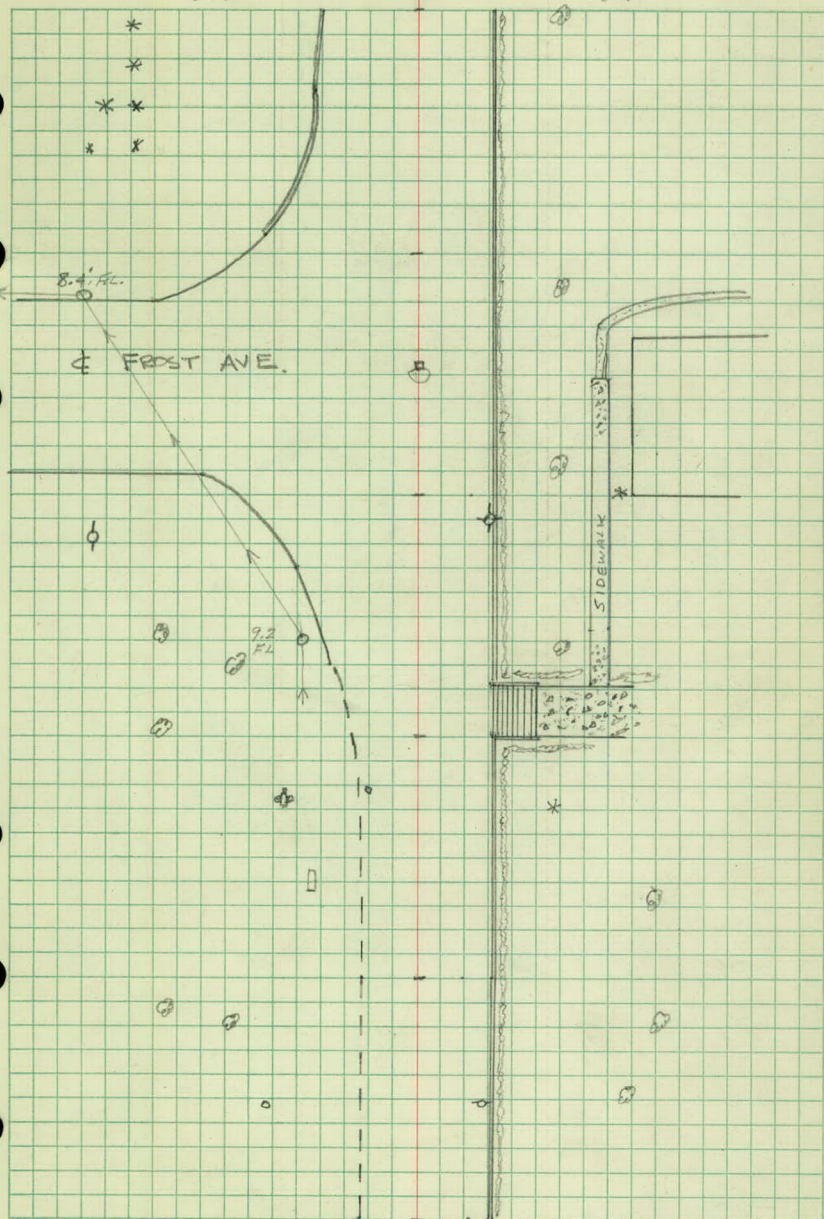
20 DEC. 1960

17

L+

E

R+



29+50

Lt

≠

12+

144 BT
beg curb19
+34 ≠ drive422 BT
END curb

19

29+00

BT
A.DWALL
16

491 4" Pine

60

+84 Hedge

20-100

+82 12" ELM

20

+72 Cluster 1" Birch

57

+52 BT
beg curb

19

+55 PP

16

+50

+19 beg Pine Hedge (3" C to C)

46-75 +45 beg wall

+25 beg wall

34-75

34-75

+21 BT
beg curb

19

+108 FC Cor

55

+45 10" ELM

30

+109 36" ELM

30

28+00

BT
19WALL
17

+72 36" ELM

30

+66 PP

15

+56 BUSH

51

+50

+32 1" Pine

+23 1" Pine

54

+31 Cor FC

54

+34 M.H

54

+14 1" Birch

75

+17 4" ELM

36

+45 10" ELM

30

+14 20" ELM

63

+10 1" Pine

56

+16 36" ELM

30

27+00

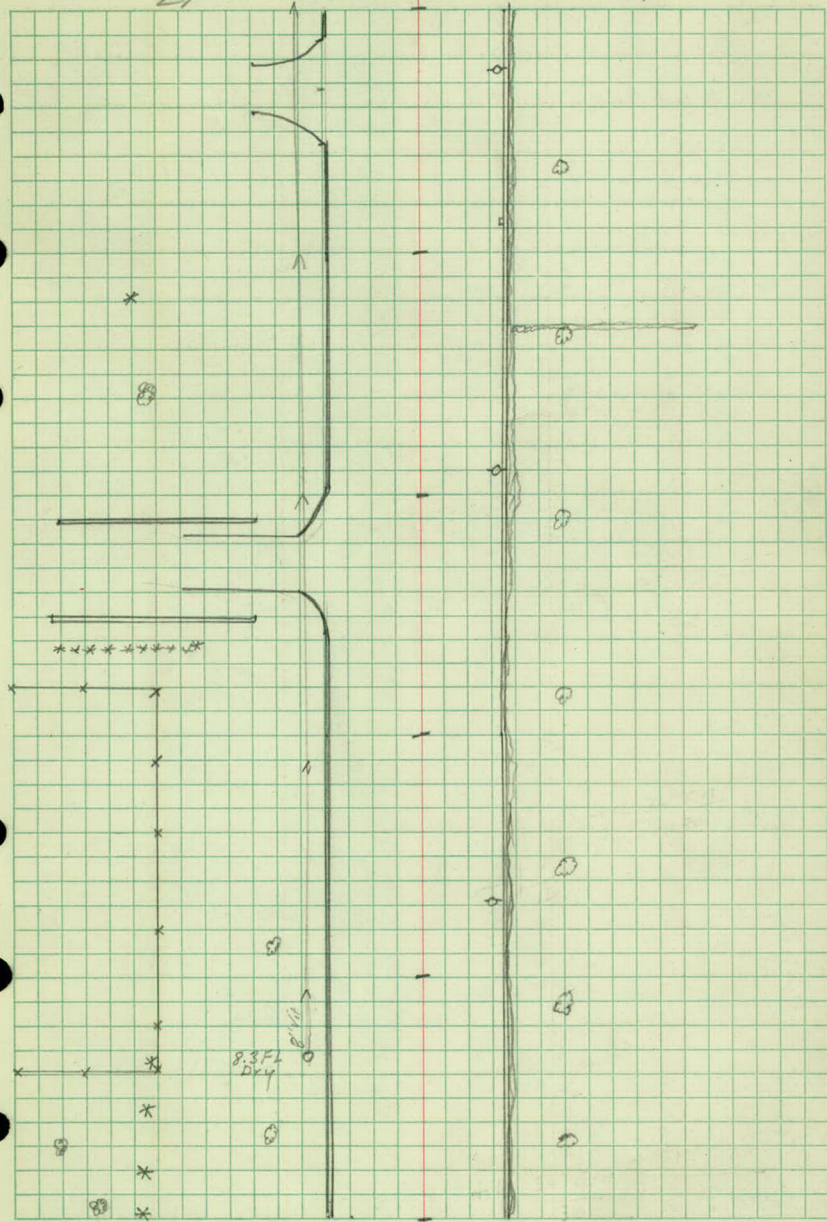
+102 1" Pine

56

Lt

1

Rt



32+00

Lt

BT
19BT
12Pc
30

Rt

+93 4" ELM
38+81 4" MAPLE
55+71 4" ELM
39+68 4" CONC WALK
50+90 12" OAK
30

+52 N. END 15" x 4" CM

20

+50 ER

+50

+43 box end 14

+44 4" ELM
39+36 4" MAPLE
54

+29 4" DRIVE

+27 ER

52 +43 FOR

+43 DOOR 30

BT

+402 box curb

19

+15 2" ELM

62

+108 BR

13

+15 DOOR

19

+20 ER

31

+105 CONCRETE

50

+15 1" ELM

39

+107 WALL

29

+109 STUMP

25

+105 PD

18

31+00

wall

+44 NE COR CONC DRIVE

28

+98 14" ELM

29

+81 box end wall

28-58

+80 6" PINE

29

+109 6" PINE

40

+75 6" PINE

45

+81 SE COR CONC DRIVE

28

+61 24" ELM

29

+75 END CURB

20

+50

+28 MH

23

+25 14" ELM

29

30+00

BT

wall

+75 box curb

19

18

+73 NE COR CONC DRIVE

19

+65 SE COR CONC DRIVE

19

+86 12" ELM

30

+62 END CURB

19

29+50

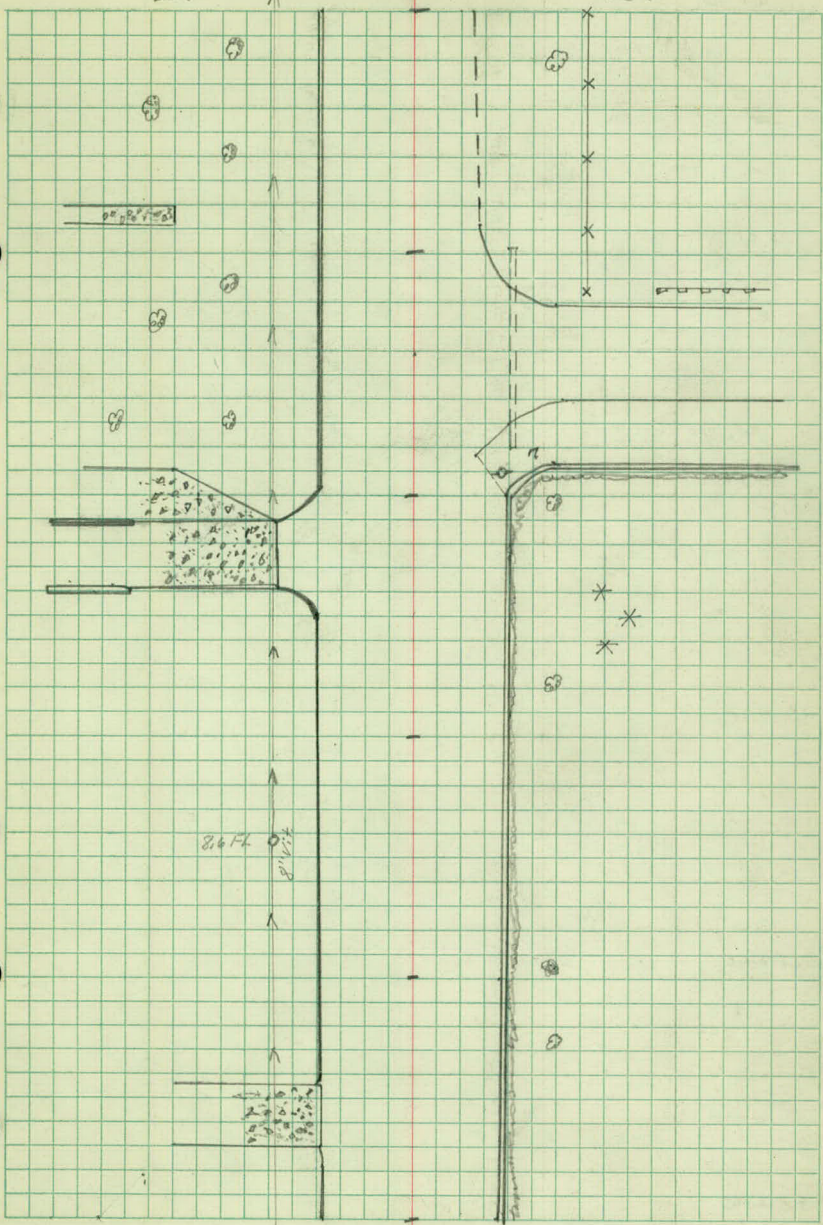
20 DEC. 1960

19

Lt

E

Rt



34+50

Lt

#

Rt

+47 End wall

BT 55
+44 END CURB
20

+48 5-4" MAPLES
34

+26 8" MAPLE

+23 BT APRON

48-53

+15 4" ELM +225" MAPLE
34 34

34+00

BT BT FC
20 13.5 37

BT +75 begin wall
+75 Beg curb

END 20 +75 NE Cor Conc Drive
+54 SHOUBS 20
31-49
+54 SE Cor Conc Drive

+70 36" ELM
41

+81 PD
28

+54 end BT curb 19.6
19.6

+50

+35 3" MAPLE

+46 1" PINE +35 1" PINE +38 1" PINE 43

+44 GATE POST +31 GATE POST
39 37

+14 LIGHT STANDARD 3x3 58
61 +21 1" PINE 47

+42 1" PINE
50

+27 Fence Cor. +22 4" Pole

36 4" MAPLE

+25 2" DRIVE 37 37

+42 +05 4" ELM
41

+23 SE 15" X 26" CM +10 36" ELM
24 40

38+00 040 POR
begin +98 Hedge 26
53-114

BT BT FC
26 13 36

BT +94 REC 40
+60 ERC 43

+76 RECOR 49 +79 FC Cor 37

+79 MH
24

+71 FC Cor 46 +79 1" to R/L 49

+55 POR 24 +79 ST

+67 24" ELM
39

+50

BT
+14 BR
20

+25 Drive
66

+25 4" MAPLE
56

+17 24" ELM
36

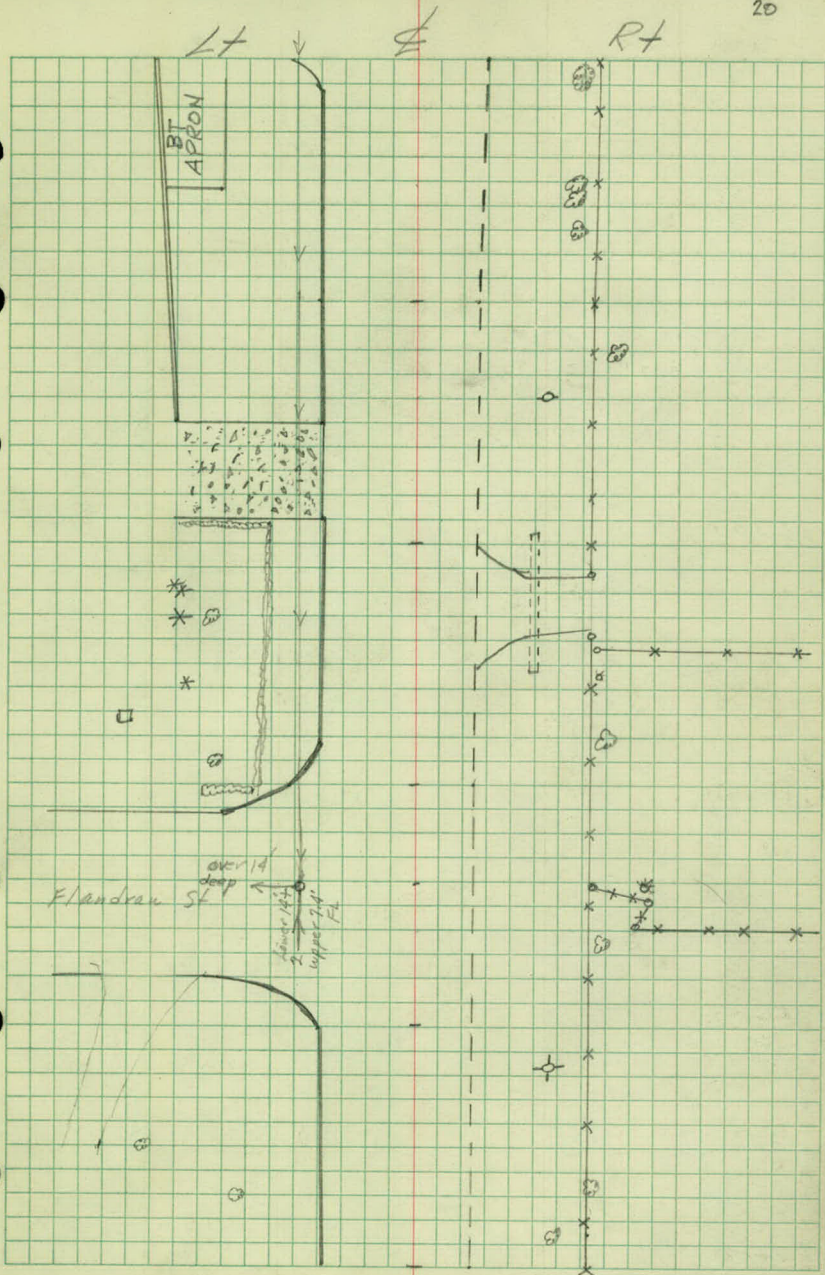
+42 PD (Gate/Lt)
27

+15 4" MAPLE
36

+07 10" OAK +07 FC 36
29

32+00

BT BT
19 12



37+00

BT BT
13 12Fe
41

162 12" OAK

42

160 18" OAK

42

begin

+86 Brush

35-41

160 PD

28

36+50

+44 18" OAK
48

+25 END BY CURB

20

36+00

BT BT
21 15Fe
39+90 ^{BT} begin curb
20+76 ~~drive~~+64 ^{BT} END CURB

20

35+50

+23 END WALL
60+23 1" PINE
44+18 1" PINE
39+23 PD
38

+33 24" ELM

41

+18 4" PINE
44+13 4" BIRCH
51+21 PD
28+12 45" ELM
42

35+00

BT BT
20 15Fe
38

+70 begin wall

+78 1" H

+71 ^{BT} beg curb
20

+58

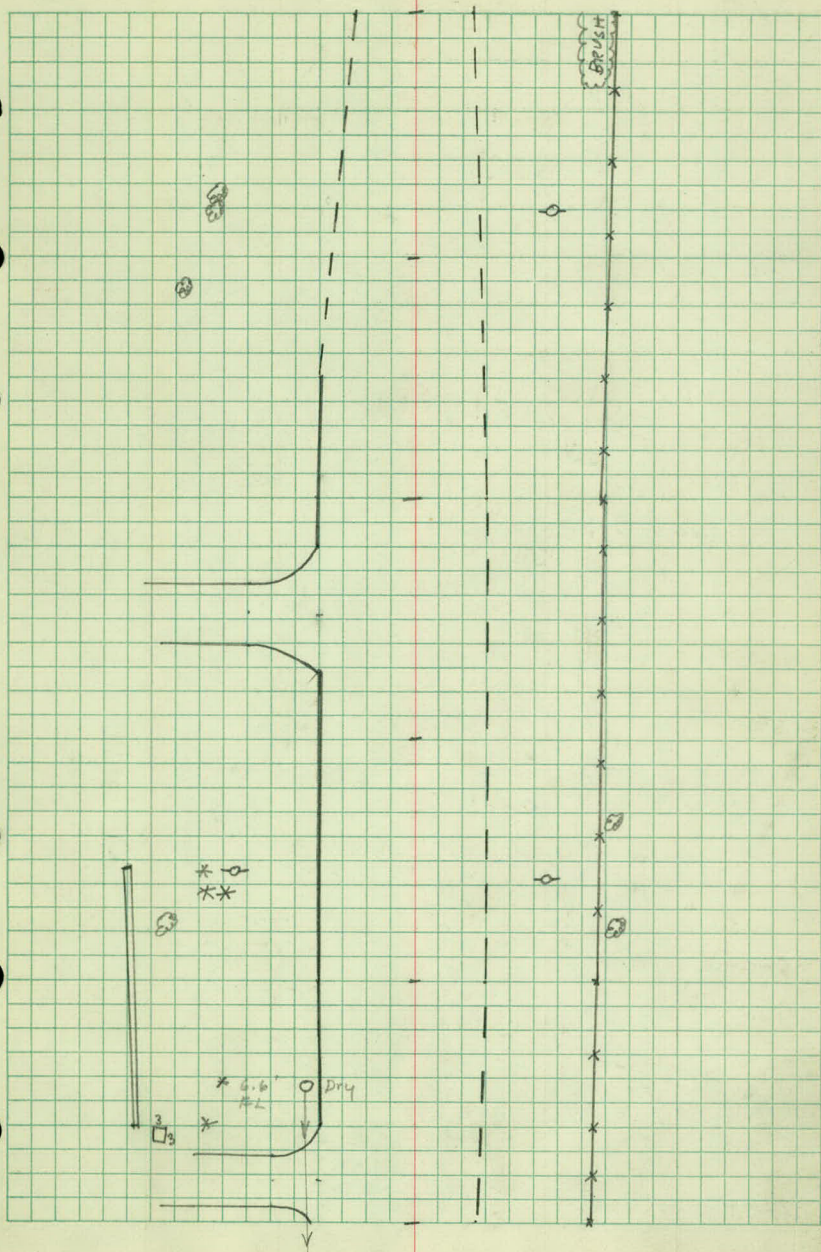
23

+79 3" PINE
40

+72 3" PINE

+16 SE COR Limestone 3X3
58+58 ~~drive~~

34+50



+50

L

E

R

39+00

+02 Breather Pipe
20

11 13

+03 Arc Lite + TP
29

+69 Hand Calc.
40

+56 RETRACKS

38+50

+72 TRAFFIC SIGNAL LIGHT

+39 Control box

+39 Control box

19

+11 Switch Box

+40 Control box
21

26

+41 SIGNAL LIGHT

18

52

+95 SEND 24" X 32" OSCP

33

+15 Breather P.
19 +05 PO
28

38

+52 vent

BT BT 0100 PP
11 +43 Fe Cor 28

+95 vent

+94 vent
50

+77 BRUSH

+42 PIPELINE SIGN

+88 PIPELINE SIGN
37

30-50

culvert

NE COR. WING WALL

+81

+86 vent
44

450

+47 BRUSH
38

+21 Turn Willow
50

+14 END BRUSH
40

37+00

begin Brush

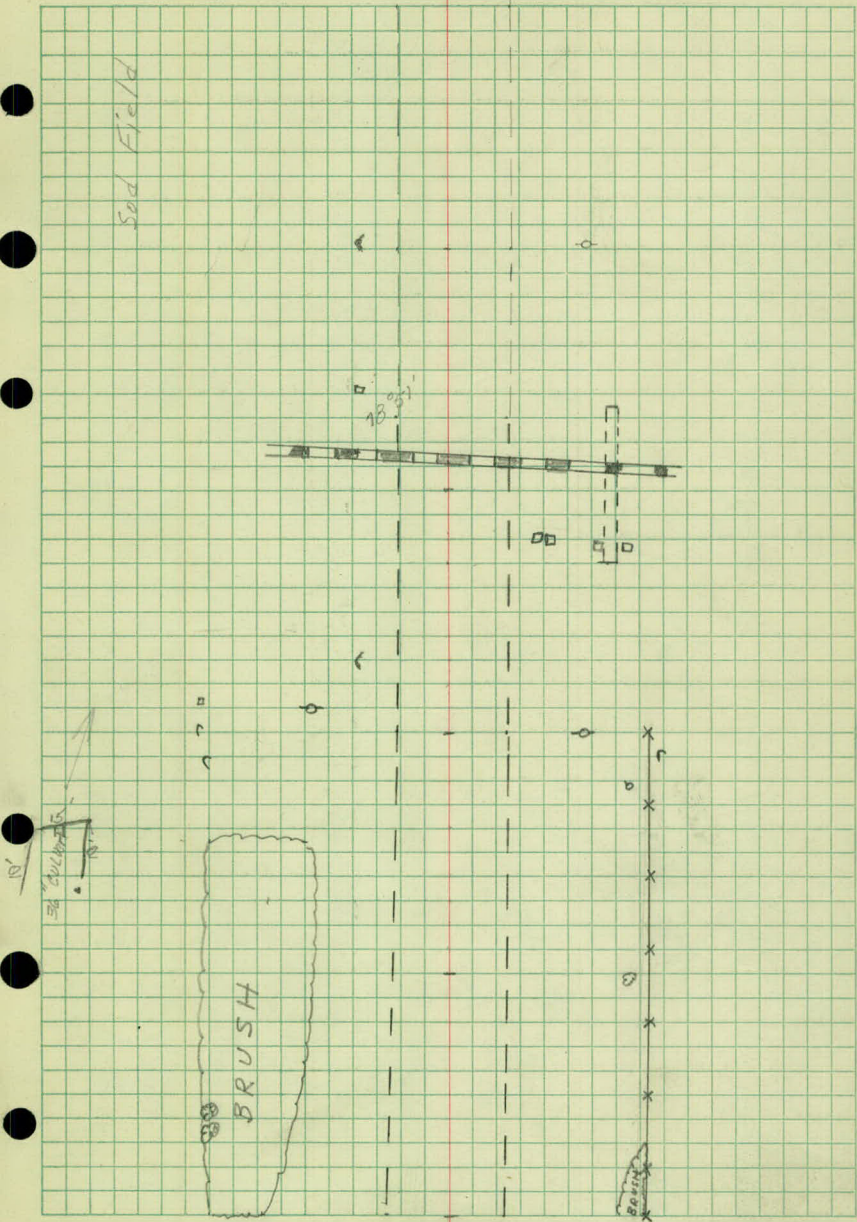
39-50

LH

+

R+

Sod Field



42 +00

Lt

E
12 12

Rt

41 +50

+39 beg Corn Field
38

41 +00

11 11

+67 NW Cor Bldg
68
+54 TP
29

41 +50

+36 Culv. Head Wall
49
+18 Ent

40 +00

11 11

+86 W.S.O +86 SW Cor Bldg
38 68

41 +50

RG
JS
FS
WM

LE

F

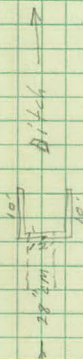
Jan 17, 1961
Cloudy, Windy
Rt

22A

Corn field

Bldg under const.

plaid pos



45 +50

Lt

E

R+

44 +00

12 12

+60 $\frac{TP}{83}$

41 +50

+53 $\frac{TP}{30}$

43 +00

12 12

43 +50

42 +00

12 12

+01 $\frac{TP}{30}$

Jan 17, 1960

Lt

E

Rt

22B

o

Sod Field

o

Corn Field

47+00

Lt

$\frac{E}{11\ 12}$

Rt

47+50

46+00

12 12

46+50

$\frac{TP}{+53\ 30}$

45+00

12 12

$\frac{Arc\ 1/4c}{+02\ 30}$

44+50

Jan 17, 1961

22C

Lt

E

Rt

Sod Field

Corn Field

+

+

+50 Lt
+47 TP
43

18 17 Rt

+49 Ent

+38 $\frac{\text{Sp end } 15'' \times 20' \text{ CM}}{25}$

+27 $\frac{\text{NE Cor Ho}}{92}$

+18 Ent

49 +00

12 12

+85 Ent +91 $\frac{10'' \text{ Elm}}{69}$

+82 $\frac{\text{Ho}}{92-96}$
 $\frac{\text{SE Cor Ho}}{96}$

+62 96

47 +50

+33 End Sod Field

+02 $\frac{\text{TP}}{30}$

48 +00

12 12

+00

$\frac{\text{End Corn Field}}{42}$

4 +50

47 +00

11 12

Jan 17, 1961

22D

Lt

E

Rt



End Sod Field

Sod Field

Corn Field

52+00

23 20

SE Cor Ho Lilac Bush
 +79 53 +83 42
 End Lilacs
 +73 36

+50

20 Elm Cor Lilacs
 +47 42 +41 36
 24 Elm
 +26 42

+11 Ent SE Cor Gar
 +05 37-55

56+00

+00 Ent

23 20

PP
 +06 29

Plum
 +84 42

+78 Beg Scattered Oaks
 46 +

+67 Brush
 42

+50

NW Cor Ho 1'x
 +05 85 +05 38

50+00

End End
 +01 23 23 21

Beg End 9 Oak
 +91 35 +91 70

+74 E Street

16 Oak Ho
 +74 66 +84 85-88
 SW Cor Ho 1'x
 +69 88 +69 38

End End
 +59 35
 Beg End

+20

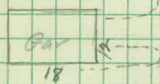
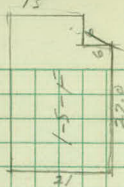
+52 19

18 17

PP
 +57 30

San 17, 1961

22E



Staggered Dots

Burke St

+50

Lk

17 14

Rt

$$\begin{array}{r} 24' BE \\ +36 \quad 33 \end{array}$$

$$\begin{array}{r} 14' BE \\ +21 \quad 33 \end{array}$$

54+00

$$\begin{array}{r} PP \\ 17 \quad 17 \quad +00 \quad 29 \end{array}$$
End lilacs

+79 35

NE Cor Ho

+50

+69

80

SE Cor Ho (2-S-F)

+45

80

8" Elm

+38 50

6" Elm

+12 49

Reg lilacs

+22 35

5" Elm

+22 49

End Rad

+10 23

Twin 4" Elm

+12

39

53+00

Reg Rad

+96

42

End Rad

+03 21

Reg Rad

+86 42

End Rad

+50

+50

30

Conc Tie

+45 32.5

PP

+45 28

Reg Rad

+43 24

End Rad

+55

46

Conc Tie

+44 34.6

PP

+45 29

End Oaks

+37 50

Reg Rad

+32

20

$$\begin{array}{r} 6" X \\ +33 \quad 55 \end{array}$$

$$\begin{array}{r} 15" Elm \\ +25 \quad 41 \end{array}$$

$$\begin{array}{r} 6" X \\ +33 \quad 41 \end{array}$$
Lilac Bush

52+00

+09

41

23 20

R6
JS
FS
W4

L4

E

Jan 17, 1961
Jan 18, 1961
cloudy, Fair 20°
Rt

22F

2.5-5
24

E 72.68

Co. Rd. "B"

Scattered Oaks

57+00

12 12

Row Iron Posts

Cor B.T. drive

+96

29

+96

28

+79

Cor B.T. drive

28

+88 Ent 16'

1' X

Row G. rails (iron)

+74

38

+79

29+

+57

end Fe

35

end trees

+57

40+

+35

Row Trees (3)

4" elms

50, 75+100

56+00

100

Fe
33

12 11

+00 & driveway 20'

+80

PP
28

+50

55+00

+00

Fe Cor

34

12 11

+92 Row trees

40+

+78 Ent 10'

So. End 12" X 25' cm 8" BE

+63

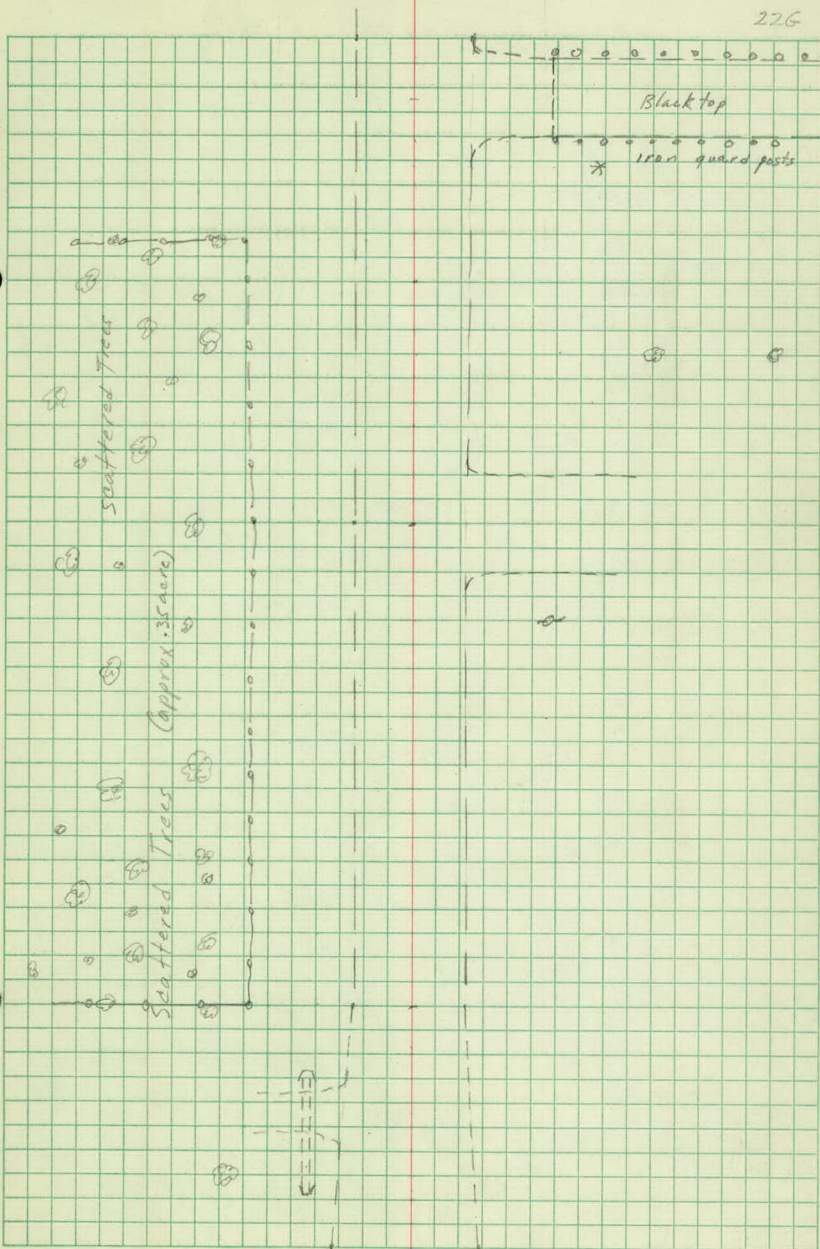
22

+65 39

17 14

Jan 18, 1961

226



+50

+43 P.O.R 21 +49 B&E Rad 12+31

+16 P.O.R 38 +29 B.T. Angle pt 67

+04 Lite Pole 31 +00 S&Lor Bldg 71

59+00 +00 Beg Rad 12 12 12

+87 6" Cott 34

+65 SW Cor Ho 76 +68 8" Cott 34

+50 +51 PP 33

+46 18" Cott 34 +51 DP 28

58+00 12 12

+93 Scrub Oak 24

+64 PP 50

+50 +57 to 93 Brush 47 to 58

+63 PP 29

+58 Beg. Row 4" Maples 36

+37 9" X 38 +44 6" X 38 +45 7" X 45

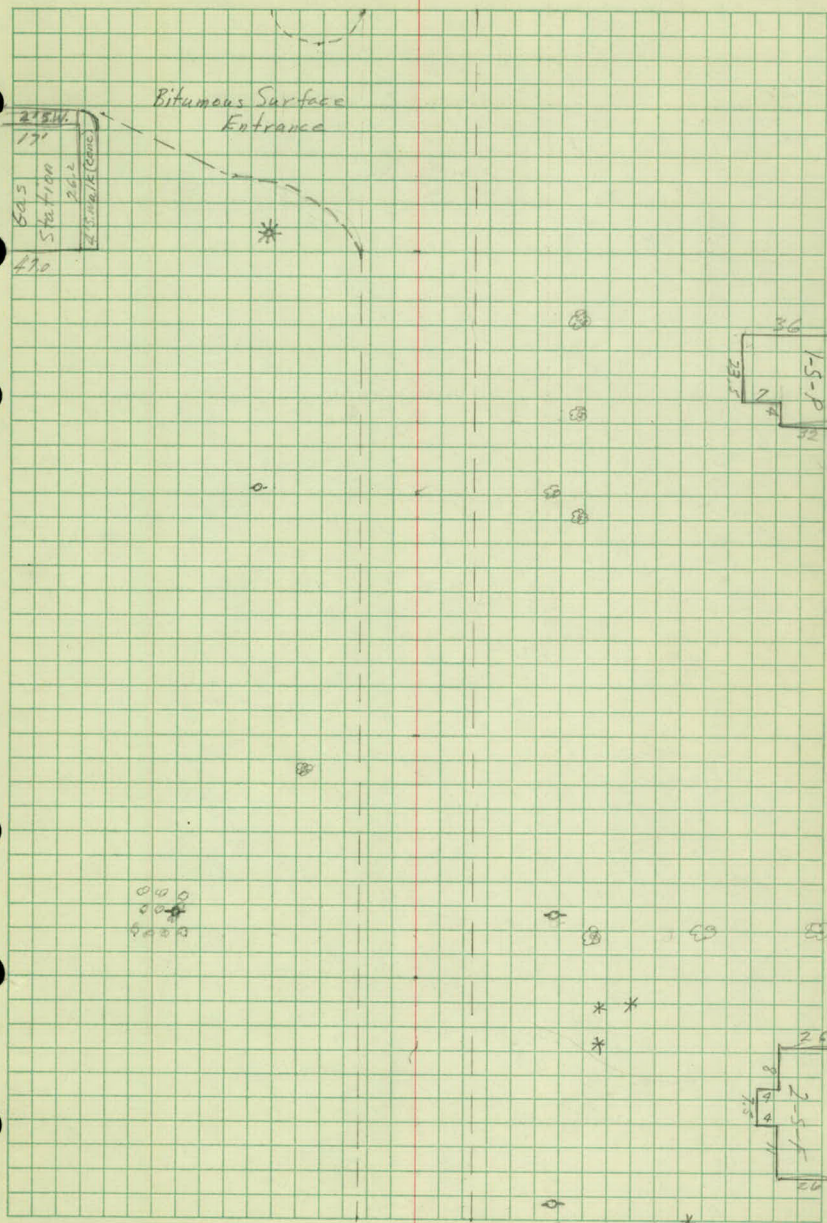
+07 SW Cor Ho 76

57+00

12 12 +04 PP 28 +00 1" X 57

Jan 18, 1961

22 H



62100 ¹⁰⁰POR
54

20 12

^{Texaco Sign}
+90 49

+5 +86 POR
44

+63 POR 39 ^{Guy Pole} +82 525 +69 PP
29

+50 +58 MH
42

+06 ^{Pt on Rad} 25
^{Bag Rad} +00 12 ^{End R BT} +00 40 4112

^{E. end 24" X 49 SCP}
+96 30

^{W end 24" SCP X 49}
+86 19

+68 ^{Pt. on Prosperity Rd}
65 489

+50

+48 ^{DX Sign}
40

+28 ^{Lite Pole} 31 +37 ^{Lite Pole} 54

+33 ^{End R} 12

+24 ^{B. Rad} 23 +25 ^{Pole} 41

60 FUV

12 12

+01 PP
28

+96 ^{NE Cor Conc} 32 ^{Bag R} +87 12

+89 ^{So end 18" X 36 CM} 19 +93 ^{E. R.} 21

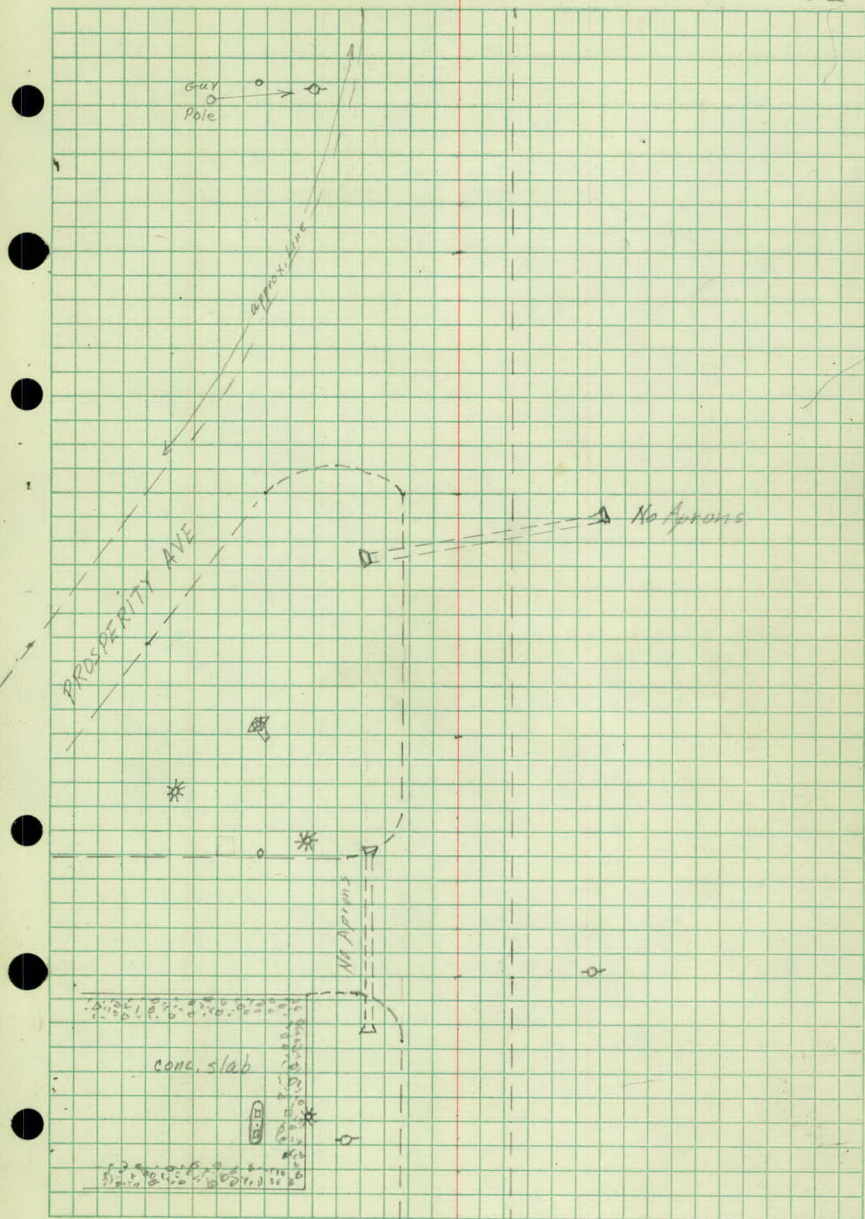
+72 ^{Lite Pole} 31

+58 ^{Pumps (9x 2 1/2)} 42 GP
42

+56 ^{SE Cor Conc} 32

Jan 18, 1961

221



65 Serv BT BT
22 20

+83 EE 18" CM X 26'
34 With Aprons
W.E. 18" CM
+57 34

65 Serv B.T.
81-62
+76 GP
38

BT
20 15

+82 ER +70 EE Culv +76 PP
15 31 34
+150 EL +159 Sign +69 P.O.B
50 50 22
+133 POR +140 R. Cor
39 19
+123 BR +128 W.E 30' Span
48 31

64 Serv BT
81-62

BT
20 13

BT Ent
47

+91 End 20'
Cone

+37 Cor Conc
46

+113 GP
29

+15 PP +11 Cor Conc
29 45

63 serv 63-82

BT
18 15

BT Ent
45

+78 E.E. 18" CM X 40'
25 With Aprons

+75 Edge Ent
42

+69 End Ent
22

+50 = POR POR BT
89 51 15

+50 R. Tie
Parking

+40 POR +40 POR +40 Por
85 21 50
+29 POR +29 PC
37 93

+45 S. Edge Parkg.
41
+12 Edge Ent
29

+34 Bay Ent
17

+04 Bay Curb
77

+37 Inter Ent
34

+16 E. Texas Sign +34 18" X 20
69 25
+ Apr.

62

RG
JS
JL
WM
ES

April 18, 1961
Fair 450

22J

Entrance Locations
White Bear Ave

2 pages

Lt

E

Rt

4+00

4+00

$$+20 \frac{ER}{84} + 04 \frac{POR(BT)}{92}$$

$$+97 \frac{B. Ent + Carb \quad Conc.}{100}$$

3+00

$$+55 \frac{BR}{54} + 64 \frac{POR}{69} + 55 \frac{ER}{77}$$

$$+00 \frac{P.O.R. BT}{65}$$

$$+52 \frac{E. Rad}{14} + 52 \frac{P.O.R. BT}{56}$$

$$+43 \frac{B. Rad BT}{48} + 46 \frac{POR BT}{26}$$

2+00

$$+04 \frac{POR BT}{18} + 18 \frac{E Rad BT}{46}$$

$$+44 \frac{B. Rad Gravel}{46}$$

$$+35 \frac{E. Rad}{47}$$

$$+27 \frac{Beg Rad}{17} + 42 \frac{POR}{35}$$

1+00

0+00 = E Larp. Ave

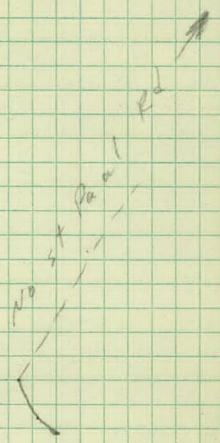
RG
JS
JL
FS
WPH

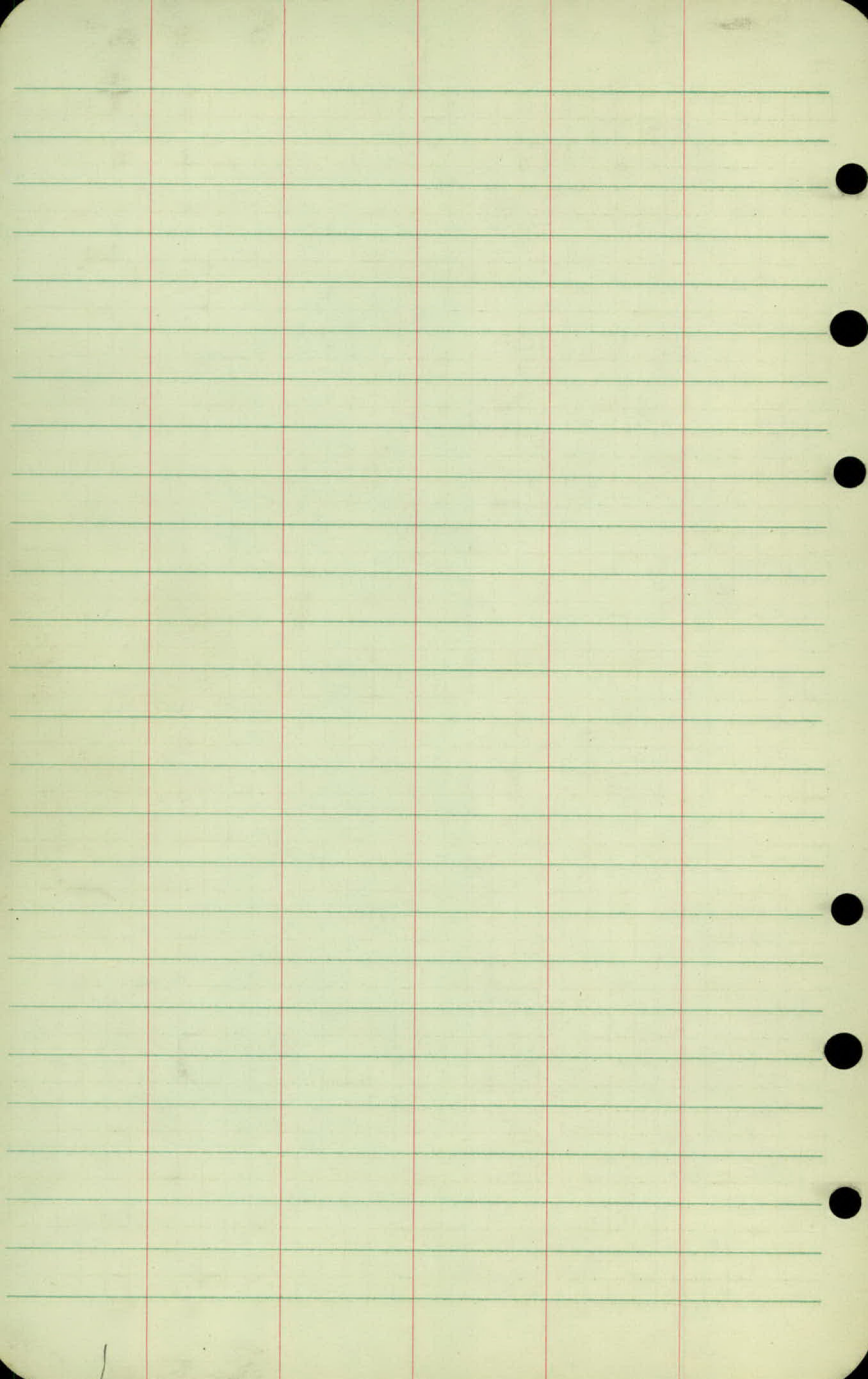
April 18, 1961

Q

22K

White Bear Ave Ent Loc





28 DEC. 1960

23

KP
JS
FS
LB
RB

SP 62-65-01

Co Rd #65

WHITE BEAR AVE

LARSENTEUR AVE TO CO. RD. B

X- SECTIONS

Plotted
4/25/61
K.J. R.P.

Sta	+	π	-	ELEV.
BM	4.10	945.97 946.01		941.90 941.87 941.91

0+00

+19

939.5
 6.5 MH 28' LT[?]

0+18

GUTTER LINE

✓

0+37

WATER SHOT OFF 11.0' LT 5.50

0+45

MH 11.0' LT 5.44

0+57

1+00

✓

24

$$\begin{array}{r} 41.3 \\ 4.7 \\ \hline 75 \end{array}$$

39.9
6.1
75

39.9
6.1
63

[illegible]

STA

+

π

-

ELEV.

945.97

946.01

1+50

✓

1+72

✓

1+85

✓

28 DEC. 1960

LT

RT

RT

25

3.9
60 42.1

3.8
54 42.2

3.5
28 42.5

3.3
14 42.7

3.2
13 42.8

3.0
13 43.0

2.5
17 42.5

3.2
21 42.8

2.9
60 43.1

3.9
35 42.1

4.51
27 23 41.46

2.9
14 43.0

2.7
13 43.3

2.8
13 43.2

2.8
17 43.2

2.9
33 43.1

2.5
38 43.5

4.3
46 ditch 4.7

4.3
62 ditch 4.7

2.6
60 43.3

2.5
35 43.5

4.0
31 42.0

3.8
26 42.2

3.1
22 42.9

2.6
14 43.4

2.5
14 43.5

2.6
14 43.4

2.5
16 43.5

2.6
33 43.4

2.3
50 43.7

2.2
60 43.8

2.0
46 44.0

1.2
60 44.8

STA

+

K

-

ELEV.

945.97

946.01

2+00

956.69

945.74

TP1

10.95

956.73

0.23

945.78

2+50

2+80

28 DEC. 1960

26

3.8
283.5
232.8
202.4
152.2
122.3
122.5
182.0
431.9
602.0
341.4
501.0
60

TOP NAIL ← STA 3400

46.5	45.4	41.4	44.8	44.7	44.8	44.6	44.9	44.6	45.1
10.2	11.3	15.3	11.9	12.0	11.9	12.1	11.8	12.1	11.6
53	34	26-28	21	13	13	27	39	60	37

10.0
60

46.0	43.1	43.5	44.9	45.3	44.9	45.3	45.3	45.2
10.7	13.6	13.2	11.8	11.4	11.4	11.8	11.4	11.5
35	28	24	20	15	18	25	39	56

10.3
499.9
6011.0
60

STA

+

X

-

ELEV

956.69
956.73

2+87

✓

3+00

✓

+09

MH 16.0 LT

10.96

945.73

+50

✓

~~43.1~~ ~~43.4~~ ~~45.2~~ ~~45.4~~ ~~45.5~~ ~~45.1~~ ~~45.7~~ ~~45.2~~ ~~44.8~~
~~13.6~~ ~~13.3~~ ~~11.5~~ ~~11.3~~ ~~11.2~~ ~~11.6~~ ~~11.0~~ ~~11.5~~ ~~11.9~~
~~29~~ ~~24~~ ~~20~~ ~~15~~ ~~20~~ ~~27~~ ~~50~~ ~~60~~ ~~87~~

46.0
 10.7
 37
 45.6
 10.1
 48
 47.4
 9.3
 51
 47.6
 9.1
 60

~~45.9~~ ~~43.4~~ ~~44.0~~ ~~44.9~~ ~~45.6~~ ~~45.7~~ ~~45.4~~ ~~45.9~~ ~~45.5~~ ~~45.7~~
~~10.8~~ ~~13.3~~ ~~12.7~~ ~~11.8~~ ~~11.1~~ ~~11.0~~ ~~11.3~~ ~~10.8~~ ~~11.2~~ ~~11.0~~
~~37~~ ~~28~~ ~~24~~ ~~20~~ ~~14~~ ~~24~~ ~~33~~ ~~55~~ ~~60~~

46.4
 10.3
 47
 47.2
 9.5
 51
 46.4
 10.3
 60

~~45.4~~ ~~44.1~~ ~~44.4~~ ~~45.8~~ ~~46.6~~ ~~46.8~~ ~~46.4~~ ~~46.9~~ ~~46.9~~
~~11.3~~ ~~12.6~~ ~~12.3~~ ~~10.9~~ ~~10.1~~ ~~9.9~~ ~~10.3~~ ~~9.8~~ ~~9.8~~
~~35~~ ~~28~~ ~~25~~ ~~22~~ ~~18~~ ~~36~~ ~~54~~ ~~60~~

46.0
 10.7
 48
 46.9
 9.8
 54
 48.1
 8.6
 60

STA

+

X

-

ELEV

956.69

956.73

4+00

✓

+14

✓

+25

TOP MH 20' 0" RT

47.87

8.82

BM

7.86

948.83

948.87

948.82

+49

28 DEC. 1960

28

L+

A

P+

45.5	45.5	46.1	47.4	47.6	47.90	47.9	48.5	48.8	48.7	48.4
11.2	11.2	10.6	9.3	9.1	8.79	8.8	8.2	7.9	8.0	8.3
47	37	27	21	17		15	33	37	48	60

* N STOOD APPROX.

47.3	47.6
9.4	9.1
57	60

45.8	45.8	46.7	47.7	47.8	48.2	48.5	48.1	46.3	46.8
10.9	10.9	10.0	9.0	8.9	8.5	8.2	8.6	10.4	9.9
42	39	20	18	16		15	19	22	26

47.4	47.4
9.3	9.3
58	60

49.2	49.4	49.4	49.6
7.5	7.3	7.3	7.1
60	54	40	30

APP. N STOOD

TOP NAIL & STA 4+41.65

46.3	46.5	45.81	48.9	48.8	49.0	49.0	49.3	47.4	50.3
10.4	10.2	10.88	7.8	7.9	7.7	7.7	7.4	9.3	6.4
45	31	29	22	15		11	19	21-23	29

FLI 2 CM

48.2
6.5
60

51.5
5.2
60

STA

+

π

-

ELEV.

956.69

956.73

4+62

✓

+75

✓

+81

E d. ch Lt

✓

28 DEC. 1960

29

~~49.5~~ ~~49.3~~ ~~49.5~~ ~~49.7~~ ~~49.3~~ ~~49.3~~ ~~49.4~~ ~~47.7~~ ~~50.2~~
 7.2 7.4 7.2 7.6 7.4 7.4 7.3 9.0 6.5
 60 54 38 18 14 18 21-23 30

~~49.7~~ ~~49.6~~ ~~49.6~~ ~~49.3~~ ~~49.5~~ ~~49.6~~ ~~49.6~~ ~~48.3~~ ~~51.5~~ ~~51.3~~
 7.0 7.1 7.1 7.4 7.2 7.1 7.1 8.4 5.2 5.4
 60 48 28 18 14 17 21-23 26

47.7 47.1 46.61 49.3 49.6 49.7 49.7 49.7 48.7 49.9
 9.0 9.6 10.08 7.4 7.1 7.0 7.0 7.0 8.0 6.8
 60 32 27 22 19 15 18 21-23 27

N. end FL 15" CM

S. end 15 12" CM

52.1 51.7 50.7
 4.6 5.0 6.0
 60 44 30

STA	+	π	-	ELEV
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		956.69		
		956.73		

4+85				
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✓				
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5+00				
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4+5	± E END	2.0 S.W.	25.0 ^{LT.} 5.67	951.02
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+50				
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✓				
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		960.65		950.37
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				950.41
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TP	10.28	960.69	6.32	
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28 DEC. 1960

LT

E

RT

30

49.7	49.6	49.4	48.3	49.6	49.8	49.7	49.7	49.1	49.8	50.8
7.0	7.1	9.3	8.4	7.1	6.9	7.0	7.0	7.6	6.9	5.9
60	36	26	20	16	15	18	21	24	31	

52.2
4.5
60
51.8
4.9
46

50.3	50.1	47.8	48.5	49.9	50.1	50.1	49.8	50.6	52.3	52.4
6.4	6.6	8.9	8.2	6.8	6.6	6.6	6.9	6.1	4.4	4.3
60	37	29	22	17		15	21	30	48	60

50.8	48.92	51.0	51.1	51.2	51.1	51.0	49.9	52.2	53.1
5.9	7.77	5.7	5.6	5.5	5.6	5.7	6.8	4.5	3.6
30	NEW 24 15" CM	20	16		14	18	24-27	36	60

51.3
5.4
60

TOP 15" CM 25.0 LT STA 5+85 (S. END)

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

		960.65 960.69		
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6+00				
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✓				
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+50				
-----	--	--	--	--

✓				
---	--	--	--	--

+54				
-----	--	--	--	--

+84				
-----	--	--	--	--

TP				
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	9.71			
--	------	--	--	--

		963.89		
--	--	--------	--	--

		963.93		
--	--	--------	--	--

			6.47	
--	--	--	------	--

				954.18
--	--	--	--	--------

				954.22
--	--	--	--	--------

28 DEC. 1960

31

LT

RT

52.0	49.59	52.1	52.2	52.4	52.3	52.0	50.3	50.4
8.7	11.06	8.6	8.5	8.34	8.4	8.7	10.4	10.3
31	26	22	14		12	18	23	30

4.15 CM

51.8

8.7
60

54.1

6.6
60

53.0

7.7
37

51.5	50.7	51.0	53.0	53.2	53.5	53.3	53.0	51.1	53.6	54.3
9.2	10.0	9.7	7.7	7.5	7.3	7.4	7.7	9.6	7.1	6.4
32	27	25	19	14		13	19	23	30	51

52.7

8.0
41

53.5

7.2
60

54.8

5.9
60

53.4	52.8	51.1	51.2	53.0	53.3	53.5	53.4	53.1	53.7	54.3	54.9
7.3	7.9	9.6	9.5	7.7	7.4	7.2	7.4	7.6	7.0	6.4	5.8
60	41	31	25	19	13		15	20	30	53	60

53.9

6.6
60

53.4

7.3
38

51.9

8.8
30

52.0

8.7
27

53.9

6.6
21

54.1

6.6
15

54.2

6.5
13

54.1

6.6
23

53.5

7.2
29

53.8

6.9
60

54.9

5.8
60

TOP ERIM M4 20.0 RT STA 6494

STA

+

π

-

ELEV

963.89

963.93

6+87

7+00

✓

+27

✓

+33

53.8	53.5	52.0	52.2	53.5	54.0	54.2	54.1	53.6	51.65	53.7	55.0
10.1	10.4	11.9	11.7	10.4	9.9	9.7	9.8	10.3	12.24	10.2	8.9
60	37	32	29	21	14	14	14	21	25	30	60
53.8	52.9	52.9	52.9	54.0	54.37	54.3	54.2	54.2	FLN END	52.9	53.8
10.1	11.0	11.0	11.0	9.9	9.52	9.6	9.7	10.6	15" CA	11.0	10.1
31	29	25	22	14	14	14	19	22	26	34	

9.9 54.0
60

9.1 54.8
60

54.3	54.1	52.58	53.0	55.0	55.0	55.0	54.9	53.4	53.5	54.6
9.6	9.8	11.31	8.9	8.9	8.9	8.9	9.0	10.5	10.4	9.3
47	30	27	22	14	14	14	18	22	27	31

FL S. END 15" CA

9.8 54.1
60

9.0 54.9
60

56.0	55.2	55.1	55.1	55.1	55.0	53.6	53.5	54.7	54.9
7.9	8.7	8.8	8.8	8.8	8.8	8.9	10.3	10.4	9.2
60	28	14	14	14	14	18	22	26	32

STA

+

π

-

ELEV

963.89

963.93

7+81

✓

+83

✓

8+00

✓

LT

A

RT

33

56.0
7.9 9.6 9.3 7.9 7.7
33 27 24 20 14

56.3
7.6 7.8
14

56.0
53.4
7.9 10.5 9.4 8.5
17 23-25 27 50

57.0
6.9
60

56.3
8.6
60

57.4
6.5 7.5 7.9 7.5 7.7
54 32 23 19 14

56.3
7.6 7.7
14

56.0
53.7
7.9 10.2 9.6
17 21-23 27

57.6
6.3
60

55.3
8.6 8.4
60 51

57.9
6.0 6.9 7.2 7.3
60 34 20 14

56.6
7.23 7.4
14

56.0
53.70
7.9 10.19 9.1 7.9
22 25 29 35

FLS END
15'EM

56.2
7.7
60

56.0
7.9
51

STA

+

π

-

ELEV

963.89

963.93

8 +40

✓

+43

9+00

✓

+05

LT					RT			
58.9	58.1	57.2	57.4	57.4	57.3	57.3	55.6	55.6
5.0	5.8	6.7	6.5	6.5	6.6	6.6	8.3	8.3
60	47	26	14	14	17	22	22	26

57.5
57.3
56.9
6.4 6.6 7.0
60 43 33

58.9	58.0	57.3	54.70	57.3	57.4	57.4	4.5	4.40 on Rt.
5.0	5.9	6.6	9.1	6.6	6.5	6.5	4.5	4.40 on Rt.
60	44	31	25	19	14	14	14	14
59.3	58.8	57.8	56.0	58.3	58.5	58.3	58.3	58.1
4.6	5.1	6.1	7.9	5.4	5.4	5.3	5.6	5.8
60	44	32	25	21	14	14	18	22-23

58.1
57.3
5.8 6.6
60 39

59.3	58.8	57.8	56.0	57.3	58.5	58.5	57.9	58.0	58.9	58.8
4.6	5.1	6.1	7.9	5.6	5.4	5.4	6.0	5.9	5.8	5.1
60	46	32	25	21	14	14	21	27	43	60

STA

+

 π

-

ELEV

963.89
963.93

9+50

✓

BM

2.44 961.45
961.49 961.45

+63

1.25

✓

+66

LT

~~RT~~

RT

59.0	57.3	57.3	59.4	59.3	59.5	59.3	59.0	57.3	57.1
4.9	6.6	6.6	4.5	4.6	4.4	4.6	4.9	6.6	6.8
40	30	22	17	14	14	14	18	23	26

59.8
4.1
53

60.0
3.9
60

59.8
4.1
60

59.2
4.7
31

SE COR. S.W. 1/4 # 1773 (YELLOW)

58.8	56.44	59.3	59.7	59.6	59.7	59.6	59.2	57.5	57.3	59.4
5.1	7.45	4.6	4.2	4.3	4.2	4.3	4.7	6.4	6.6	4.5
30	25	20	17	14	14	14	18	22	26	32

FL 15' CM

60.1
3.8
54

60.3
3.6
60

60.0
3.9
60

60.4
3.5
60

60.0
3.9
50

59.6
4.3
25

59.7
4.2
14

59.7
4.2
Same as #63 on Rt.

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

963.89
963.93

10+00

✓

+05

✓

59.97

+24 MH 25.0 RT 3.92

+50

✓

8.25	969.70	2.44	961.45 961.49	961.45
------	--------	------	------------------	--------

LT

RT

2.6	3.9	3.4	3.5	3.34	3.6	3.9	6.0	5.9
60	22	18	14	14	14	17	21	27

60.5	60.0
3.4	3.9
60	35

6.70	5.4	3.9	3.3	3.4	3.3	Same 95 10400 on 124
25	22	21	18	14		

FL 15" CM

5.8	3.4	2.6
31	40	60

1.7	2.6	5.35	2.3	2.4	2.5	2.7	4.8	4.8	2.6
54	34	24	18	14	14	18	22	27	35

FL 15"

62.2
61.3
62.4
1.5
60

61.5
61.7
2.4
60
44

S.E. COR. SW 40 # 1773 (YELLOW)

STA

+

π

-

ELEV

969.70

11+00

✓

+50

✓

+83

✓

LT

~~RT~~

RT

6.6	7.7	9.4	8.7	7.3	7.25	7.3	9.7	9.8	7.6
48	33	25	20	15		15	21	24	30

63.4

6.3
60

6.4	7.9	7.9	6.4	6.4	6.2	6.3	9.1	8.9	7.3
34	27	22	17	15		15	21	24	30

63.6

6.1
60

5.4	5.7	7.76	5.8	5.8	5.6	5.7	5.9	8.3	8.1
54	33	FL 24 15"	19	15		15	17	23	27

64.2

5.5
60

6.4	6.5	7.0
60	40	33

62.1

7.6
60

62.8

6.9
60

61.6

8.1

STA + π - ELEV.

969.70

12+00

✓

+50

✓

199

TOP GAS VALE 33.0 RT

4.42

63.08

13+00

✓

0.65 969.05

969.05

969.03

65.4.
4.3
60

67.7
5.0
34

LT
62.40
7.30
25
FL 15' CM

64.4
5.3
15

~~64.50
5.20
15~~

64.3
5.4
15

RT
63.8
5.9
17

61.6
8.1
22

61.5
8.2
27

63.5
6.2
60

63.1
6.6
31

65.2
4.5
38

63.6
6.1
27

63.6
6.1
22

65.3
4.4
17

65.4
4.3
15

~~65.6
4.1
15~~

65.4
4.3
15

65.2
4.5
17

62.4
7.3
25

61.9
7.8
29

63.6
6.1
35

66.0
3.7
51

66.6
3.1
60

66.7
6.0
60

67.7
2.0
60

67.5
2.2
55

66.7
3.0
27

65.01
4.69
23

66.8
2.9
20

66.8
2.9
15

66.70
3.00
15

66.6
3.1
15

66.0
3.7
28

65.7
4.0
33

64.7
5.0
50

64.4
5.3
60

FL 15' CM

TOP S.E. COR. Lower Step H₆* 1805

STA

+

X

-

ELEV

BM

7.84

976.87

(969.03)

13+09

+12

E Ripley Rt

✓

+36

+43

+47

✓

RG
JL
WM
LB
RB

Jan 6, 1961

LT

#

RT.

39

S.E. COR. LOWER STEP HP #1805

67.9	67.5	66.9	65.9	66.1	66.9	66.9	67.0	66.9	66.5	65.5	64.4	64.2
9.0	9.4	10.0	11.0	10.8	10.0	10.0	9.9	10.0	10.4	11.4	12.5	12.7
50	50	28	21	19	14	11		11	22	29	56	60

67.4	67.0	66.1	67.1	67.1	67.2	66.5	65.2	64.5	63.9	63.5
9.5	9.9	10.8	9.8	9.8	9.7	10.4	11.7	12.4	13.0	13.4
42	27	21-24	17	15		37	50	75	100	120

67.8	67.9									
9.1	9.0									
54	60									

62.8	62.9	63.1
14.1	14.0	13.8
200	175	150

68.0	67.8	67.6	66.6	66.6	67.3	67.3	67.4	67.4	64.3	65.0	64.4	64.2
8.9	9.1	9.3	10.3	10.3	9.6	9.6	9.5	9.5	10.6	11.9	12.5	12.7
60	45	30	26	22	18	16		11	31	53	68	75

68.2	67.9	67.9	66.9	67.4	67.5	67.6	67.5	66.5	65.3	64.9	63.6	63.2
9.0	9.0		10.0	9.5	9.4	9.3	9.4	10.4	11.6	12.0	13.3	13.7
45	31		21-26	18	15		14	26	43	50	65	75

68.2	67.9	67.9	66.8	67.4	67.7	67.6	67.0	65.8	65.5	65.5	64.6
8.7	9.0	9.0	10.1	9.5	9.2	9.3	9.9	11.1	11.5	11.4	12.3
60	47	33	21-26	18		11	22	35	42	45	54

63.8	64.1
13.1	12.8
75	66

Sta + π - Elev

976.87

+75

MH +75 approx 16' Lt

9.41

967.46

W. Rim

14400

+10

+55

+60

+65 ^{Top} N. end 15' CM 20' Rt + 7.36

+78

68.7	68.5	68.3	68.05	68.3	68.2	68.3	68.2	67.8	67.1	66.9	67.2	66.3	65.9
8.2	8.4	8.6	8.82	8.6	8.7	8.6	8.7	9.1	9.8	10.0	9.7	10.6	11.0
60	40	26	23	21	16		11	16	23	29	32	47	2
Top CM										Fe	Fe		

68.7	68.4	68.2	68.1	68.7	68.9	68.9	68.8	68.4	67.6	67.6	67.1	67.5	67.2	67.0
8.2	8.5	8.7	8.8	8.2	8.0	8.0	8.1	8.5	9.3	9.3	7.8	9.4	9.7	9.7
60	45	28	23	20	16		11	17	24	26	31	43	53	60
										Fe				

68.8	68.6	68.1	68.0	68.9	69.1	69.1	69.0	68.6	68.0	69.7	69.6	69.3	69.2
8.1	8.3	8.8	8.9	8.0	7.8	7.8	7.9	8.3	8.9	7.2	7.3	7.6	7.7
60	52	36	24	18	16		11	17	24	31	38	51	60
										Fe			

68.9	68.8	68.7	70.1	70.1	70.2	70.2	70.3	70.7	71.1	71.7	71.8
8.0	8.1	8.2	6.8	6.8	6.7	6.7	6.6	6.2	5.8	5.2	5.1
60	39	23	19	14		11	15	26	39	54	60

68.9	68.7	68.6	70.2	70.1	70.3	70.3	70.6	70.7	72.4	72.6	72.8	72.8
8.0	8.2	8.3	6.7	6.8	6.6	6.6	6.3	6.2	4.5	4.3	4.1	4.1
60	39	23	20	15		11	18	27	32	39	48	60
										Fe		

Sta +60 6.6 6.6 6.3 6.2 4.5 4.3 4.1 4.1
 11 18 27 32 39 48 60
 Fe

69.2	69.2	69.2	69.6	70.2	70.6	70.7	70.7	70.6	69.4	71.7	72.4	72.7	73.2
7.7	7.7	7.7	7.3	6.7	6.3	6.2	6.2	6.3	1.5	5.2	4.5	4.2	3.7
60	50	36	25	20	16		11	18	23	28	32	46	60
										Fe			

Sta	+	π	-	Elev
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		996.87		
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14 + 84				
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15 + 00				
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720				
-----	--	--	--	--

450				
-----	--	--	--	--

479				
-----	--	--	--	--

484				
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Jan 6, 1961

2+

4

 $R+$

21

70.5	70.2	70.1	70.3	70.7	70.9	70.8	70.6	69.5	71.6	72.4	72.7	73.2
6.4	6.7	6.8	6.6	6.2	6.0	6.1	6.3	7.4	5.3	4.5	4.2	3.7
60	47	32	21	16		11	18	23	28	32	45	60

6.31	6.27	6.20	6.0	5.9	5.6	5.6	5.7	7.2	5.5	4.2	3.9	4.2	4.4
60	42	27	23	16		11	17	22	28	32	37	50	60
conc	conc	conc								Fe			
70.56	70.60	70.67	70.9	71.0	71.3	71.3	71.2	69.7	71.4	72.7	73.0	72.7	72.5

71.0	71.2	70.9	71.5	71.8	71.8	71.6	70.1	72.5	72.9	72.2	72.3
5.9	5.7	6.0	5.4	5.1	5.1	5.3	4.8	4.4	4.0	4.7	4.6
60	39	22	17		11	17	24	32	36	50	60

73.2	71.8	71.9	72.5	72.3	72.5	72.5	72.2	70.1	71.5	72.5	72.2	72.4
3.7	5.1	5.0	4.5	4.6	4.4	4.4	4.7	6.8	5.4	4.4	4.7	4.5
60	38	24	18	15	11	18	25	32	36	50	60	
								Fe				

74.3	73.7	73.1	72.92	73.2	73.2	73.2	73.0	70.5	71.0	72.0	72.0	72.0
2.6	3.2	3.8	3.95	3.7	3.7	3.7	3.9	6.4	5.9	4.9	4.9	4.9
60	44	29	MH 21	14		11	16	25	32	48	50	60
								Fe				

74.8	74.3	73.3	72.3	73.1	73.3	73.3	73.3	73.0	70.5	71.4	72.0	72.0	72.0
2.1	2.6	3.6	4.0	3.8	3.6	3.6	3.9	6.4	5.9	4.9	4.9	4.9	
60	51	33	27	21	16	11	16	25	32	45	50	60	
									Fe				

Sta	+	-	Elev	
		976.87		
16+00				
+50		3.19	973.68	Top 15" CM 21' Lt
		983.51	973.78	
TP	9.73	983.48	3.12	973.75
17+00				
+31				
+51		7.81		Top 15" CM 24' Lt
		7.98	975.53	MH +81
18+00				

Jan 6, 1961

42

LT

✓

RT

75.1	74.6	73.8	72.4	72.7	73.6	73.6	73.8	73.7	73.6	71.1	70.3	70.6	71.5	71.1	71.2
1.8	2.3	3.1	4.3	4.2	3.3	3.3	3.1	3.2	3.3	5.8	6.6	6.3	5.4	5.8	5.7
60	45	34	27	21	17	15	11	17	23	26	32	35	45	60	

75.5	75.2	73.8	73.6	74.6	74.6	74.8	74.6	74.4	71.7	71.1	71.3	70.6	70.7
1.4	1.7	3.1	3.3	2.3	2.3	2.1	2.3	2.7	5.2	5.8	5.6	6.3	6.2
60	43	31	23	19	14	11	18	24	32	38	50	60	

Fe

Sta 16+00

77.0	77.0	76.6	74.2	74.1	75.3	75.3	75.4	75.4	75.1	73.0	73.0	74.0	74.1	72.9	71.3
6.5	6.5	6.9	9.3	9.1	8.2	8.2	8.1	8.1	8.4	10.5	10.5	9.5	9.4	10.6	12.2
60	50	39	28	21	18	14	11	16	23	25	32	34	42	60	

Fe

78.4	78.1	76.2	75.7	75.7	75.5	75.4	73.4	73.4	75.1	73.9	72.4	
5.1	5.4	7.3	7.8	7.8	7.8	8.0	10.1	10.1	8.1	8.4	9.6	11.1
60	50	28	16	11	16	23	25	32	36	48	60	

Fe

79.3	78.9	76.6	76.0	75.8	75.8	75.8	75.8	73.7	76.3	75.4	74.1	73.1
4.2	5.2	7.0	7.5	7.7	7.7	7.7	7.7	9.8	7.2	8.1	9.4	10.4
60	44	32	20	16	11	16	24-26	32	38	49	60	

80.2	79.8	79.0	75.9	75.6	75.8	76.1	76.1	76.1	75.9	73.9	76.4	75.9	74.3	73.4
3.3	3.7	4.5	7.6	8.0	7.7	7.4	7.4	7.4	7.6	9.7	7.1	7.6	9.2	10.1
60	49	36	29	23	20	10	11	14	24-25	32	38	51	60	

Sta	+	π	-	Elev
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983.51

983.48

18+50

19+00

+50

8.19

975.29

Top 12" CM

24' Lt (+55)

+80

8.22

975.29

W. Rim MH

+90 22' ± Lt

4.07

979.40

975.32

TP

4.04

979.33

8.19

975.29

20+00

+27

Jan 6, 1961

48

LT

✓ E

RT

80.2	80.1	79.3	75.8	75.8	76.1	76.1	76.1	76.1	75.9	73.7	76.5	76.2	75.2	73.8
3.3	3.4	4.2	7.7	8.1	7.4	7.4	7.4	7.4	7.6	9.8	7.0	7.3	8.3	9.7
60	50	37	29	24	20	16			11	15	24	32	38	44

Fe

79.2	78.3	76.2	75.8	75.9	75.8	75.6	73.9	76.6	76.8	75.0	73.1
4.3	5.2	7.3	7.7	7.6	7.7	7.9	9.6	6.9	7.1	8.5	10.8
60	45	27	18			11	15	24	26	32	36

Fe

78.3	77.7	76.8	75.1	75.8	76.3	75.3	75.4	75.3	75.1	72.8	74.9	73.6	72.6	71.1
5.2	5.8	6.7	7.8	8.5	8.2	8.2	8.1	8.2	8.4	10.7	8.6	9.9	10.9	12.4
60	51	36	30	24	21	15			11	17	23	27	32	38

Fe

77.8	76.6	75.5	75.3	75.1	75.1	75.0	75.0	72.3	73.9	72.1	72.1	70.5
5.7	6.9	8.0	8.2	8.4	8.4	8.5	8.5	11.2	9.7	10.8	11.4	13.0
60	46	31	24	16				11	16	23	27	32

Fe

Top 12' cm 20' LT Sta 19+90

77.4	76.5	75.6	73.7	74.0	74.8	74.7	74.9	74.9	74.7	71.9	72.8	72.8	72.3	71.3	70.5
2.0	2.9	3.8	5.7	5.4	4.6	4.7	4.5	4.5	4.7	7.5	6.6	6.6	7.8	8.1	8.9
60	47	34	26	21	18	14				11	16	24	27	32	38

Fe

77.3	76.1	75.5	73.2	74.5	74.5	74.7	74.7	74.5	71.5	71.2	70.2	70.1
2.1	3.3	3.9	6.2	4.9	4.9	4.7	4.7	4.9	7.9	8.2	9.2	9.3
60	46	33	23	17	13				11	16	26	33

Fe

Sta	+	X	-	Elev
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979.40

979.33

20 +65

21+00

6.04 973.36

Top 15" CM

23' Lt

+50

+81

+84

22+00

7.65 971.75

Top 15" CM

24' Lt

+45

8.23 971.17

M.H.

24' Lt

Jan 6, 1960

LT

E ✓

Rt

20

76.3	76.4	75.4	74.3	72.9	72.8	74.2	74.2	74.3	74.2	74.1	70.6	70.0	69.3	69.0	68.7
3.1	3.0	4.0	5.1	6.5	6.4	5.2	5.2	5.1	5.2	5.3	8.8	9.4	10.1	10.7	10.7
60	54	39	31	26	29	17	13		11	16	26	32	42	54	60

Fe

76.6	76.4	75.8	75.1	72.7	72.5	74.0	73.9	73.9	73.9	73.7	69.8	69.3	68.6	68.4	68.2
2.8	3.0	3.6	4.3	6.7	6.9	5.4	5.5	5.5	5.5	5.7	9.6	10.1	10.8	11.0	11.2
60	54	49	36	27	22	19	13		11	16	27	33	43	52	60

Fe

76.5	76.1	73.9	72.1	72.0	73.3	73.3	73.4	73.4	73.3	69.0	68.6	68.0	67.9
2.9	3.3	5.5	7.3	7.4	6.1	6.1	6.0	6.0	6.1	10.4	10.8	11.4	11.5
60	50	33	27	24	19	14		11	16	27	33	46	60

Fe

77.4	76.3	76.4	75.4	73.13	73.1	73.1	73.0	72.9	69.0	68.4	67.7	67.7
2.26	2.77	3.36	4.26	6.27	6.36	6.3	6.4	6.5	10.4	11.0	11.7	11.7
75	60	51	40	17	14		11	16	25	33	47	60

conc

75.4	74.4	73.3	72.1	72.1	73.1	73.1	72.9	69.0	68.4	67.7	67.7
4.0	5.0	6.1	6.3	6.3	6.3	6.5	10.4	11.0	11.7	11.7	11.7
60	44	22	14		11	16	25	33	47	60	60

Fe

75.4	74.6	74.2	73.3	71.9	73.1	72.7	72.9	72.9	72.8	72.7	68.5	68.0	67.6	67.3
4.0	4.8	5.2	6.1	7.5	6.3	6.7	6.5	6.5	6.6	6.7	10.9	11.4	11.8	12.1
60	46	39	30	25	21	17	14		11	16	25	33	44	60

Fe

Sta	+	Δ	-	Elev
		977.40		
		979.33		
22+50				
+67			7.92	Top 15" CM 25' LT
+71				
+80			7.73	Top of drain 24' LT
+90				
23+00			7.84	Top 15" CM 25' LT
TP	4.87 4.83	976.43 976.32	7.84	971.56 971.49

Jan 6, 1960

Lt

L

Rt

45

75.0	74.2	74.0	71.1	71.2	72.3	72.4	72.4	72.3	72.1	67.8	67.4	67.4	66.5	66.7
4.4	3.2	5.4	8.3	8.2	7.1	7.0	7.0	7.1	7.3	11.6	12.0	12.0	12.9	12.7
60	48	38	26	28	18	14		11	16	25	33	38	42	54

Fe

67.1
12.3
60

74.8	74.5	73.8	72.7	70.8	72.2	72.2	72.3	72.2	72.1	68.4	67.4	66.8	66.2	67.1
4.6	4.9	5.6	6.7	8.6	7.2	7.2	7.1	7.2	7.3	11.0	12.0	12.6	13.2	12.3
60	52	37	33	25	19	14		11	16	24	33	41	54	60

Fe

73.7	73.3	72.5	72.1	72.2	72.2	72.2	72.1	68.4	67.4	66.8	67.1	67.1
5.7	6.1	6.9	7.3	7.2	7.2	7.2	7.3	11.0	12.0	12.6	12.3	12.3
62	47	38	21	16		10	16	24	33	41	60	70

Fe

73.8	73.4	72.7	71.9	72.0	72.0	71.9	71.6	68.5	67.4	67.2	67.1
5.4	6.0	6.7	7.5	7.4	7.4	7.5	7.8	10.9	12.0	12.2	12.3
60	56	41	25	14		13	17	25	34	47	60

Fe

73.6	72.5	71.9	70.7	71.7	71.9	71.9	71.8	71.3	68.4	67.5	67.7	68.6	69.0
5.8	6.9	7.5	8.7	7.7	7.8	7.5	7.6	8.1	11.0	11.9	11.7	10.8	10.1
60	45	40	25	25	14		14	19	25	34	38	46	60

top 15" Culv 25' Lt Sta. 23+00

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

976.43

976.32

23 +18

+31

+34

+49 $\angle$ Ent Rt.

+53

5.62

Top 15" cm

26' Lt

+58

+67

Jan 6, 1960

46

Lt

E

Rt

13.0	12.1	10.7	7.0.7	7.1.5	7.1.6	7.1.7	7.1.6	7.1.3	6.8.3	6.8.2	7.0.3	7.0.5	7.0.2
3.4	4.3	5.7	5.7	4.9	4.8	4.7	4.8	5.1	8.1	8.2	6.1	5.9	6.2
60	46	30	24	18	14		12	20	29	34	38	47	60

12.8	11.8	10.7	7.0.4	7.1.3	7.1.5	7.1.6	7.1.6	7.1.2	7.0.9	7.0.5
3.6	4.6	5.7	6.0	5.1	4.9	4.8	4.8	5.2	5.5	5.9
60	45	35	25	19	14		11	31	42	60

7.1.2	7.1.0	7.0.5	7.0.3	7.1.1	7.1.5	7.1.6	7.1.6	7.1.2	7.0.9	7.0.5
5.2	5.4	5.9	6.1	5.3	4.9	4.8	4.8	5.2	5.5	5.9
60	52	38	25	19	14		11	31	42	60

7.0.8	7.0.8	7.0.2	7.0.2	7.0.3	7.1.3	7.1.5	7.1.5	7.1.3	7.0.8	7.0.6	7.0.2	6.9.7	6.8.6
5.6	5.6	6.2	6.2	5.6	5.1	4.9	4.9	5.1	5.6	5.8	6.2	6.7	7.8
60	52	38	25	20	16		10	29	49	60	75	100	150

7.0.1	7.0.1	7.0.1	7.0.1	7.0.9	7.1.3	7.1.4	7.1.5	7.1.3	7.0.8	7.0.6
6.3	6.3	6.3	6.3	5.5	5.1	5.0	4.9	5.1	5.6	5.8
60	50	35	25	20	16		10	30	50	60

7.1.3	7.1.1	7.1.0	7.1.2	7.1.3	7.1.3	7.0.6	7.0.6	7.0.1	6.9.9
5.1	5.3	5.4	5.2	5.1	5.1	5.8	5.8	6.3	6.5
60	39	23	16		11	25	33	50	60

Sta + π - Elev

976.43

976.32

+81

+83

5.59

Top 15" CM

26' LT

24+00

+32

6.64

Top 15" CM

26' LT

+45

4.36

Top Conc Wall

15' RT

+50

25+00

+50

+72

8.74 967.69

Top MH (wiring)

25' LT

+73

✓

407.00

Jan 6, 1960

14

E

✓ R+

47

71.1	70.9	70.9	70.81	71.0	71.1	71.2	71.1	70.8	70.0	69.8	70.6	70.8
5.3	5.5	5.5	5.62	5.4	5.3	5.2	5.3	5.6	6.4	6.6	5.8	5.6
60	50	38	22 SW	16	11		16	21	24	26	29	60

70.9	70.5	70.3	69.4	70.7	70.9	71.0	71.0	71.0	70.9	71.0	71.0
5.5	5.9	6.1	7.0	5.7	5.5	5.4	5.4	5.4	5.5	5.4	5.4
60	45	32	26	20	16	16	10	15	26	46	60

71.2	71.2	70.7	69.0	70.1	70.4	70.5	70.5	72.09	72.1	72.0	71.8
5.2	5.2	5.2	7.4	6.3	6.0	5.9	5.9	4.34	4.3	4.4	4.6
60	50	35	25	15	10	10	16	16.1	21	39	60

Wall

71.1	71.0	71.1	68.9	69.4	69.5	69.6	69.6	72.14	72.4	72.6	72.6
5.3	5.4	5.3	7.5	7.0	6.9	6.8	6.8	4.29	4.0	3.8	3.8
60	50	34	23	19	15	16	16.1	23	44	60	

Wall

70.5	70.4	70.0	68.0	67.8	68.5	68.8	68.7	72.17	72.17	72.18	72.76
5.9	6.0	6.4	8.4	8.6	7.9	7.6	7.7	4.26	4.26	3.95	3.67
60	51	33	24	21	15	16	16.1	25	42	70	

Wall Top Step SW

70.3	70.3	69.9	67.2	67.5	68.1	68.3	68.5	72.10	72.4	72.5	72.5	72.8
6.1	6.1	6.5	9.2	8.9	8.3	8.1	7.9	4.33	4.0	3.9	3.9	3.6
60	50	35	28	23	17	16	16.1	20	31	37	48	

Wall

3.7
60

Sta	+	↑	-	Elev
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976.43

976.32

BM

4.90

971.53

971.42

967.06

BM

9.37

966.95

967.06

BM

6.66

973.72

967.06

25+88

26+00

cutter left

+04

+24

E Frost

+52

KG
JL
WM
RB
LB

At

E

Jan 9, 1961
Cold 150 clear 48
JGT

Top Hyd S.W. cor Frost + W.B. Ave

Top Mont E Frost + W.B. Ave.

" " " " " " "

65.9	66.1	66.3	67.4	67.8	68.0	68.1	72.10	72.6	73.1	72.9
2.8	2.6	2.4	6.3	5.9	5.7	5.6	1.02	1.1	0.6	0.8
60	43	37	29	17	16	16.1	23	36	60	

Wall

66.8	66.2	67.1	67.3	67.6	67.7	67.8	72.12	72.7	73.1	73.0
2.9	2.5	6.4	6.4	6.1	6.0	5.9	1.60	1.0	0.6	0.7
60	48	41	35	17		1.7	17.1	24	37	46

Wall

Bldg

66.7	67.1	67.4	67.6	67.6	67.8	72.1	72.7	73.0	75.0
2.0	6.6	6.3	6.1	6.1	5.9	1.6	1.0	0.6	0.7
60	45	30	17		17	17.1	24	37	46

59.6	62.0	62.9	65.4	66.5	67.0	67.0	67.1	67.2	67.2	72.15	72.5	73.13	72.9
14.1	11.7	10.8	8.3	7.2	6.7	6.7	6.6	6.5	6.5	1.57	1.2	0.59	0.8
300	250	200	150	100	50	30	16	17	17.1	23	38	45	45

Wall

SW

Bldg

66.2	66.2	66.0	66.2	66.3	66.4	72.02	72.0	72.5	72.7
2.5	2.5	2.7	2.5	2.3	2.3	1.70	1.7	1.2	1.0
60	52	33	17	17	17.1	21	41	60	

Wall

Sta + π - Elev

973.72

26
+83

27+00

BM

0.26

973.46

(973.50)

+30

+35

9.83

963.89

S. rim MH

24' Lt

+55

+65



Jan 9, 1961

LT

E

RT

49

68.5	65.6	65.5	65.1	65.5	65.1	71.6	71.4	71.8	71.8	71.9
5.2	8.1	8.2	8.6	8.2	8.1	2.56	2.3	1.9	1.9	1.8
60	37	23	22	✓ 7	17.1	23	36	48	60	
		T.C.	B.C.		Wall					

68.9	68.9	67.0	65.1	65.1	64.6	64.9	70.67	70.7	71.3	71.5	71.5
4.8	4.8	6.7	8.6	8.6	9.1	8.8	3.05	3.0	2.4	2.2	2.2
60	58	44	33	21	20	✓ 17	17.1	21	38	50	60
				T.C.	B.C.		Wall				

Top Hyd RT Sta 27+35

68.6	68.4	66.6	64.7	64.4	63.9	64.0	64.0	69.95	70.1	70.5	70.7	71.1
5.1	5.3	7.1	9.0	9.3	9.8	9.7	9.7	3.79	3.6	3.2	3.0	2.6
60	56	42	30	20	19	14	✓ 17	17.1	23	33	47	60
					T.C.	B.C.		Wall				

67.8	67.6	67.0	65.2	64.1	63.4	63.0	63.2	63.2	69.21	69.3	70.2	70.4	70.6
5.9	6.1	6.7	8.5	9.6	10.3	10.7	10.9	10.5	4.51	4.4	3.5	3.3	3.1
55	51	44	32	28	20.1	20	✓ 17	17.1	24	38	50	60	
T.C.					T.C.	B.C.		Wall					

69.4	65.4	63.6	63.1	62.7	62.8	63.0	68.92	69.0	70.1
4.3	8.3	10.1	10.6	11.0	10.9	10.7	4.80	4.7	3.6
52	36	27	20	19	✓ 17	17.1	23	38	

69.8

3.9

57

FE

70.4

3.3

60

70.3

3.4

49

Sta	+	π	-	Elev
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		973.72		
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28+00				
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✓				
---	--	--	--	--

+20				
-----	--	--	--	--

✓				
---	--	--	--	--

+27		Rt SAME AS +20		
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+47				
-----	--	--	--	--

Sta + π - Elev

973.72

28+50 Rt SAME as +47

T.P.	2.88	^{966.14} 966.12	10.48	^{963.26} 963.24
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+85

✓

29+00

+17

+29 Rt SAME AS +17

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51

LT

66.3	61.8	60.4	59.8	58.5	58.0	60.0	65.72	65.5	66.6	67.1
7.4	11.9	13.3	13.9	14.2	13.7	13.7	8.00	8.2	7.1	6.6
60	34	27	22	20	17	17	17.1	23	30	60

Rock 25' Lt Sta. 28+87

64.8	61.9	59.6	58.9	58.5	58.6	58.6	64.21	63.9	65.2	65.8
1.3	4.2	6.5	7.2	7.6	7.5	7.5	1.93	2.2	0.9	0.3
60	41	26	20.1	20	17	17	17.1	25	39	50

CURB BT

66.1
0.0
60

63.7	61.2	59.1	58.3	57.9	58.0	57.9	63.51	63.1	64.9	65.7
2.4	4.9	7.0	7.8	8.2	8.1	8.2	2.63	3.0	1.2	0.4
60	43	26	20.1	20	17	17	17.1	25	46	60

CURB BT

63.1	60.5	58.6	57.7	57.2	57.4	57.4	62.87	62.7	64.2	65.3
3.0	5.6	7.5	8.4	8.9	8.7	8.7	3.27	3.4	1.9	0.8
60	45	27	20.1	20	17	17	17.1	23	43	60

CURB BT

60.8	59.3	58.3	56.8	57.0	Same as +17					
5.3	6.8	7.8	9.3	9.1						
60	49	29	21							

Sta	+	π	-	Elev
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966.14

966.12

29+40

+48

+65

30+00

+31	MH F. Rim 24' Lt	12.48
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+33

960.80

960.76

12.81

953.35

953.31

T.P.	7.45
------	------

+71

Jan 9, 1961

LT							RT		52
59.9	59.1	58.3	57.3	56.6	56.8	61.94	61.7	63.6	64.6
6.3	7.0	7.8	9.8	9.5	9.3	4.20	4.4	2.5	1.5
60	49	36	21	✓ 17	17	17.1	22	45	60

61.5	59.7	57.6	56.6	56.1	56.3	61.82	61.6	63.4	64.6
4.6	6.4	8.5	9.5	10.0	9.8	4.32	4.5	2.7	1.5
60	4.6	28	20.1	20	✓ 17	17.1	22	45	60
			CURB						

61.28	59.78	55.58	53.5	53.7	53.7	60.89	60.8	62.6	63.6
5.86	6.36	10.56	10.6	10.4	10.4	5.25	5.3	3.5	2.5
60	52	20.1	20	✓ 17	17	17.1	23	45	60
conc.	conc	conc							

59.7	58.6	55.9	54.8	54.4	54.6	54.3	53.35	53.4	61.3	62.0
6.4	7.5	10.2	11.3	11.7	11.5	11.8	6.79	6.7	4.8	4.1
60	48	30	20.1	20	✓ 18	18	18.1	23	45	60
			CURB							

57.7	57.2	56.0	54.3	53.6	53.2	53.5	53.4	53.15	53.3	52.9	60.6
8.4	8.9	10.1	11.8	12.5	12.9	12.6	12.7	7.99	7.8	6.2	5.5
60	50	36	28	20.1	20	✓ 18	18	18.1	23	46	60
				CURB							
				BT							

TOP WALL 36LT Sta. 304.82

56.8	56.8	55.8	52.9	52.5	52.0	52.2	52.1	51.68	51.4	51.5	51.5
4.32	4.00	5.0	7.9	8.3	8.8	8.6	8.7	4.12	4.4	3.3	2.3
60	54	45	28	20.1	20	✓ 18	18	18.1	22	34	49
conc	conc			BT							
3w	5w			CURB							

58.1
2.7
67

59.0
1.8
60

Sta

+

π

-

Elev

960.80

960.76

30+82

✓

31+00

✓

407

✓

Jan 9, 1961

L4

R

R4

53

53.4	51.7	52.4	51.6	51.5	51.8	51.4	55.96	55.9	51.3	50.3
7.4	9.1	8.4	9.13	9.3	9.0	9.4	4.84	4.9	3.5	2.5
40	31.1	31	30	20		18	18.1	23	37	51
TOP WALL	BT WALL	TOP WALL	conc.							

52.0	52.8	51.6	51.7	51.6						50.9
8.8	7.0	8.3	4.1	8.2						1.9
40.1	53	53.1	59	59.1						60
BOT WALL	TOP WALL	BOT WALL	TOP WALL	BOT WALL						

52.25	52.18	51.81	51.3	51.0	50.6	51.1	50.9	51.4	55.5	57.1	58.1
8.55	8.62	8.99	9.5	9.8	10.2	9.7	9.9	5.36	5.3	3.7	2.7
60	51	39	28	20.1	20		18	18.1	24	40	55
conc.	conc.	conc.		BT CURB							

58.7
2.1
60

52.2	51.8	51.3	51.0	50.6	50.9	50.8	50.7	51.5	55.37	52.9
8.6	9.0	9.5	9.8	10.2	9.9	10.0	10.1	9.3	5.43	7.9
51	39	28	20.1	20		14	20	23	23.1	35
								BOT WALL	TOP WALL	BOT WALL

52.3										
8.5										
60										

50.59	55.9	57.49	54.6	52.09
2.21	4.9	3.31	6.2	4.71
60.1	60	49.1	49	35.1
TOP WALL	BOT WALL	TOP WALL	BOT WALL	TOP WALL

Sta	+	π	-	Elev
		960.80		
		960.76		

31+17

+30

✓

+42

+52	TOP 15" CM 20' Rt	11.85	948.95
-----	----------------------	-------	--------

+58

✓

T.P.	1.99	951.13 951.07	11.68	949.14 949.08
------	------	------------------	-------	------------------

Jan 9, 1961

L					D		RT			54
52.0	51.9	51.6	50.6	50.2	50.6	50.5	51.2	52.8	54.2	
8.8	8.9	9.2	10.2	10.6	10.2	10.3	9.6	8.0	6.6	
60	46	32	20.1	20		12	28	48	60	

CURB										
51.7	51.3	50.9	50.1	49.7	50.0	50.0	50.8	53.0	55.4	56.1
9.1	9.5	9.9	10.7	11.1	10.8	10.8	10.0	7.8	5.4	4.7
60	47	31	20.1	20		11	22	47	69	75

BT
CURB

60.8	58.6
0.0	2.2
119	100

51.5	51.2	50.7	49.7	49.2	49.6	49.5	50.9	53.1	54.3
9.3	9.6	10.1	11.1	11.6	11.2	11.3	9.9	7.7	6.5
60	45	31	20.1	20		11	29	48	60

BT
CURB

51.39	51.04	50.2	49.1	48.6	49.0	48.9	48.3	49.3	50.8	50.5
9.41	9.76	10.6	11.7	12.2	11.8	11.9	12.5	11.5	10.0	10.3
60	51	30	20.1	20		11	20	27	35	44

BT
CURB

Fe

53.1	7.7
60	

Rock

Sta

+

Σ

-

ELV.

951.13

951.07

31+80

✓

32+00

✓

+49

✓

JAN. 9, 1961

Lt

L

Rt

55

50.7	50.2	49.9	48.3	47.8	48.0	47.9	47.4	48.2	48.7	48.1
0.4	0.9	1.2	2.8	3.3	3.1	3.2	3.7	2.9	2.4	1.4
60	47	34	20.1	20	16	21	25	29	35	Fe.

BT CURB

45.9	47.1	49.1
5.2	4.0	2.0
60	47	40

49.6	49.9	49.0	47.8	47.4	46.9	47.2	46.9	46.3	47.1	48.5	48.1
1.5	1.7	2.1	3.3	3.7	4.2	3.9	4.2	4.8	4.0	2.6	3.0
60	50	32	26	20.1	20	18	21	26	36	41	Fe.

BT CURB

43.1	46.1
6.0	5.0
60	50

47.8	47.6	45.8	45.4	44.9	45.3	45.2	45.0	44.1	44.4	48.0	48.1
3.3	3.5	5.3	5.7	6.2	5.8	5.9	6.1	7.0	6.7	3.1	3.0
53	34	26	20.1	20	12	19	23	27	34	36	Fe.

BT CURB

46.0	46.2
5.1	4.9
60	68

44.6	43.5	47.4
6.5	5.6	3.7
60	53	42

Sta.

+

∧

-

ELV.

951.13

951.07

32+54

✓

+62

✓

+80

24' Lt

MH SOUTH Rim 7.41 943.72

✓

Lt

P

Rt

45.3.	45.5.	45.5.	45.2.	46.7.	43.7.	45.0.	45.0.	44.3.	48.0.
5.8	5.6	5.6	5.9	6.4	6.0	6.1	6.1	7.1	6.8
60	45	30	20.1	20	✓	12	19	23	27
			OR						
			WCB						

43.9.	45.7.	47.3.	48.0.
7.2	6.0	3.8	3.1
60	53	43	36
			Fe

44.9.	45.2.	46.7.	46.4.	46.3.	44.8.	44.6.	45.3.	44.0.	47.8.
6.2	5.9	6.4	6.7	6.8	6.3	6.4	7.8	7.1	3.3
60	42.1	43	34	20	✓	13	18	23	29
	BOT	TOP							
	CURB	CURB							Fe

43.2.	44.7.	47.2.
7.9	6.4	3.9
60	52	41

46.1.	45.3.	44.5.	43.6.	44.1.	43.9.	42.8.	43.5.	46.6.	43.9.
5.0	5.8	6.6	7.5	7.0	7.2	8.3	7.6	4.5	7.2
150	100	50	20	✓	19	24	30	36	44
								Fe	

42.6.	42.6.
8.5	8.5
60	50

Sta

+

Σ

-

ELV

951.13
951.07

32+95

✓

33+00

✓

+25

TOP 15" CM 24' Rte

10.61

940.52

JAN. 9, 1961

Lt

P

Rt

57

44.1.	43.9.	43.1.	43.5.	43.4.	41.8.	43.2.	44.7.	44.2.
7.0	7.2	8.0	7.6	7.7	9.3	7.9	6.4	6.9
60	41	20	✓ 18	18	23	29	32	36
								Fe.

42.7.	42.6.
8.4	8.5
60	46

44.7.	44.6.	44.5.	43.9.	43.4.	42.9.	43.3.	43.2.	41.4.	43.1.	44.0.	43.1.
6.4	6.5	6.6	7.2	7.7	8.2	7.1	7.9	9.7	8.0	7.1	8.0
60	53	38	27	27	20	✓ 18	24	29	32	32	36
			T.C	B.C							

42.7.	42.5.
8.4	8.6
60	47

47.3.	45.5.	43.9.	42.6.	42.1.	42.4.	42.3.	37.8.	41.4.	42.2.	42.6.
3.8	5.6	7.2	8.5	9.0	8.7	8.8	11.3	9.7	8.9	8.5
62	42	31	20.1	20	✓ 18	18	24	29	36	45
			TOP	CURB					Fe.	

42.7.
8.4
60

Sta	+	π	-	ELV
-----	---	-------	---	-----

951.13

951.07

33+49

✓

+55

✓

+75

✓

T.P.

4.24

945.63

945.55

9.78

941.37

941.29

941.31

JAN. 9, 1961

Lt

Q

Rt

58

44.7	42.7	41.9	41.3	41.5	41.3	38.8	39.6	40.9
6A	8.4	9.2	9.8	9.6	9.8	12.3	11.5	10.2
47	32	20.1	20		18	23	31	36
		Top						Fe.
45.9	45.9	45.9	46.6			42.4	42.2	41.9
5.2	5.14	5.14	4.49			87	8.9	9.2
53	55.1	59	60			60	50	40
	conc.	conc.	Top					
			step					

41.53	41.42	41.32	41.33	41.1	41.3	41.0	38.7	38.9	39.9
9.60	9.71	9.81	9.80	10.0	9.8	10.1	12.4	12.2	11.2
49	42	33	20.1	20		18	23	31	36
Bot	conc.	conc.	conc.						Fe.
42.59	41.59	40.94	41.67				42.4	42.1	41.9
8.59	9.54	5.19	9.46				8.7	9.0	9.2
49.1	53-56	53.5	54.1	60			60	50	40
TOP	Bot	TOP	WAR.	GAR.					
WALL	WALL	WALL							
conc.	conc.	conc.							

41.66	41.47	41.37	40.50	40.3	40.5	40.0	38.5	39.0	38.1
9.57	9.66	9.76	10.63	10.8	10.6	11.1	12.6	13.1	13.0
53	47	34	20.1	20		17	20	23	29
Bot	conc	conc	conc.						
WALL									
conc.									
42.49	41.67	45.81	41.75			44.0	42.8	41.8	40.7
8.64	9.46	5.32	9.38			7.1	8.3	9.3	10.4
53.1	56-58	56.5	58.1	60		62	54	48	37
TOP	Bot	TOP	WALL	GAR					
WALL	WALL	WALL							
conc.	conc.	conc.							

SE CORNER ENT. 20' Lt Sta. 33+50

Sta	+	π	-	Elev
		745.63		
		945.55		
34+00				
+22				
+48				
✓				
+71				
	omit			
+72				
+78				

59

KG
JL
WM
RB
LB

Le

£

Rt

45.5	44.3	42.7	42.7	41.7	40.3	39.6	39.1	39.4	39.1	37.1	40.2	41.1	42.2	43.5
0.1	1.3	2.9	2.9	3.9	5.3	6.0	6.5	6.2	6.5	8.5	5.4	4.5	3.4	2.1
60	56	55	53	52	32	20	20	19	23	28	32	38	48	60
Top	Wall		Top			T.C	B.C.			ditch		FC		

[illegible]

40.3	41.19	40.2	39.0	38.2	37.6	37.3	37.6	37.3	35.2	35.8	41.4	42.0
5.3	4.34	5.4	6.6	7.4	8.0	8.3	8.0	8.3	10.4	9.8	4.2	3.6
56.1	56	55	41	34	22	20	X	19	24	28	38	47
bottom step	top step	B.T.	B.T.	B.T.							Fe	

41.22	42.3	40.5	41.77
4.41	3.3	5.1	3.86
61	61.1	61.2	85
Top Step	Top Wall	bottom Wall	Gar Conc Entslep

42.0
3.6
60

40.3	37.8	36.7	36.4	36.7
5.3	7.8	8.9	9.2	8.9
60	34	23	20	
Bottom	BT			
Wall				

[illegible]

Sta

+

π

-

Elev

945.63

945.55

34+81

35+00

+22

+32

✓

+57

Jan 10, 1961

Lt

E

Rt

60

45.2	42.2	40.2	37.8	36.80	36.4	36.0	36.3	35.8	34.2	33.6	35.3	36.4	37.2
0.4	3.4	5.4	7.8	8.83	9.2	9.6	9.3	9.7	11.4	12.0	10.3	9.2	8.4
57	56	38	34	23	20.1	20	19	21	29	38	48	60	
Top Wall				MM	T.C. BC,						Fe		

45.5	42.4	40.1	37.3	35.7	35.2	35.5	35.2	32.9	31.6	32.0	32.8
0.5	3.2	5.5	8.3	9.9	10.4	10.1	10.4	12.7	14.0	13.6	12.8
58	57	39	32	20.1	20	18	23	38	50	60	
Top Wall				T.C. B.C.				Fe			

44.2	42.2	39.3	37.1	35.0	34.5	34.7	34.4	32.8	31.3	30.6	29.9	29.8
1.4	3.4	6.3	8.5	10.6	11.1	10.9	11.2	12.8	14.3	15.0	15.7	15.8
60	59	39	34	20.1	20	18	21	28	38	51	60	
Top Wall				T.C. B.C.				Fe				

41.8	38.9	36.7	34.6	34.1	34.3	34.0	32.1	30.7	30.4
3.8	6.7	8.9	11.0	11.5	11.3	11.6	13.5	14.9	15.2
60	38	33	20.1	20	18	23	33	40	Fe.
			T.C	BC					

29.2	29.6
16.4	16.0
60	50

34.7	34.0	34.0	33.6	33.1	33.3	32.9	31.3	33.0	32.9
10.9	10.8	11.6	12.0	12.5	12.3	12.7	14.3	12.6	12.7
60	51	33	20.1	20	18	22-25	30	39	Fe.
			T.C	BC					

30.7	32.3
14.9	13.3
60	48

Sta	+	π	-	Elev
		945.63		
		945.55		

35+83

✓

36+00

✓

+14

✓

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

945.63

945.55

36+31

✓

T.P.	1.61	933.48 933.38	13.68	931.87 931.77
------	------	------------------	-------	------------------

+14

+31

✓

+53

Jan 10, 1961

LX

F

RT

62

C

30.4'	30.1'	29.0'	31.2'	31.2'
15.2	15.5	16.6	13.4	11.4
	18	24	32	42
				Fe

X

40.3'	40.7'	37.2'
5.3	4.9	8.4
60	56	46

32.6'	32.0'	32.1'	31.4'	31.0'	30.6'
0.9	1.5	1.4	2.1	2.5	2.9
60	52	43	29	20.1	20
				TC	BC

31.1' (circled)

X

30.8'	30.7'	30.4'	29.9'	30.5'
2.7	2.8	3.1	3.6	3.0
34	31	22	20	
			Gutter	

27.9
5.6
42

24.1
9.4
60

X

14.9'	15.7'	24.1'	28.6'	29.2'	29.5'	29.3'	27.6'	31.6'	32.7'
18.7	17.8	9.4	4.9	4.3	4.0	4.2	5.9	1.9	0.8
60	48	33	23	18		18	24	33	41
10.6'							35.8'		34.8'
22.9							+2.3		+1.3
100							60		49

Sta

+

K

-

ELV.

933.48

933.38

36+68

✓

+83

✓

37+00

Lt

P

JAN 10, 1961

Rt

63

19.7	23.1	28.1	28.6	28.9	28.5	27.5	24.8	27.5
13.8	10.4	4.8	4.9	4.6	5.0	6.0	8.7	6.0
34	27	18	11		17	22	27	41
								Fe.

14.4	11.4	09.6
19.1	22.1	23.9
48	75	100

31.1	29.4
1.9	4.1
60	50

12.7	15.2	22.6	28.1	28.0	28.2	27.9	24.0	22.9	22.5	23.2
20.8	18.3	11.0	5.4	5.5	5.3	5.6	9.5	10.6	11.0	10.3
50	38	26	18	11		17	26	34	42	51
									Fe.	

19.2	08.3
23.3	25.2
75	100

25.7
7.8
60

10.4	11.5	20.1	27.4	27.4	27.5	27.1	24.2	20.7	19.4	20.6
23.1	22.0	13.4	6.1	6.1	6.0	6.4	11.3	12.8	14.1	12.9
60	42	28	18	12		17	29	40	50	60

09.1	07.3
24.4	26.2
75	100

Sta

+

x

-

ELV

933.48

933.38

37+30

✓

BM

2.63

925.43

925.33

10.68

922.80

922.70

922.81

+70

✓

BM

2.48

925.28

925.18

2.63

922.80

922.70

38+00

✓

JAN 19/1961

Lt

R

RE

64

12.1	20.9	26.2	26.3	26.4	26.0	21.0	18.2	18.5
21.4	12.6	7.3	7.2	7.1	7.5	12.5	15.3	15.0
40	26	17	12		17	27	42	50
							Fe.	

07.7
25.8
75

05.7
27.8
100

✓

17.1
16.4
60

TOP N.W. COR. CONG. Foundation Control Box S.E. COR. A.R. TRACKS

01.2	1.5	19.4	24.5	24.7	24.7	24.7	24.1	19.0	16.6
24.2	17.9	15.0	0.9	0.7	0.7	0.7	1.3	6.4	8.8
79	75	42	18	12		15	20	30	42
									Fe.

✓

01.5
23.9
84

06.1
18.7
94

06.0
19.4
100

14.6
10.8
60

15.5
9.9
50

✓

see above B.M.

11.7	17.6	23.4	23.4	23.5	23.5	17.2	16.4	15.6
13.6	7.8	1.9	1.9	1.8	1.8	8.1	8.9	9.7
37	25	17	12		18	30	35	42
								Fe.

09.6
15.7
51

08.7
16.6
60

07.3
18.0
100

✓

14.8
10.5
60

15.1
10.2
53

✓

Sta

+

K

-

ELV

925.28

925.18

38+23

✓

+37

+35

24" sep

CULVERT 33' Rt

7.9 = 17.4

✓

+47

✓

30' 1/2" 1/2"

JAN 10, 1961

Lt

E

Rt

65

11.7	16.5	22.1	27.6	27.8	27.7	27.0	16.8	16.1	16.5
13.6	8.8	3.2	2.7	2.5	2.6	3.3	8.5	9.4	8.8
47	32	23	12		17	21	30	45	60

09.9	09.0	07.9
15.4	16.3	17.4
52	75	100

13.7	16.9	21.4	22.1	22.4	21.0	20.5	20.1
11.6	8.4	3.9	3.2	2.9	2.9	4.1	4.8
37	30	24	12		16	26	33

10.5	09.9
14.8	15.4
57	75

20.9
4.4
60

17.0	17.9	19.8	21.4	21.7	21.9	22.0	22.0	21.6	21.7	22.17
8.3	7.4	5.5	3.9	3.6	3.4	3.3	3.3	3.8	3.6	3.11
69	52	27	18	14		14	18	40	51	51.1

S. RAIL

13	22.6	21.8
27	22.6	3.5
2.85	3.3	
83.1	83	60

N. RAIL

Sta

+

π

!

-

ELV.

925.28

925.18

+53.7

38+55

✓

+58.5

+58

✓

+66

BM

2.48

922.80

922.70

922.81

JAN 10, 1961

66

Lt

L

Rt

20.2	20.7	21.5	21.5	21.9	21.4	21.5	21.89
5.1	4.6	3.8	3.71	3.4	3.9	3.8	3.39
60	35	12	S. RAIL	15	21	32	32.1 N. Rail

✓

21.2	21.3
4.1	4.0
60	50

✓

20.80	20.3	20.5	20.6	21.4	21.50	21.7	21.5	21.0	21.1	21.0
4.48	5.0	5.0	4.7	3.9	3.78	3.6	4.0	4.3	4.2	4.3
70.1 S. RAIL	70	60	44	13	N. RAIL	15	22	39	45	60

✓

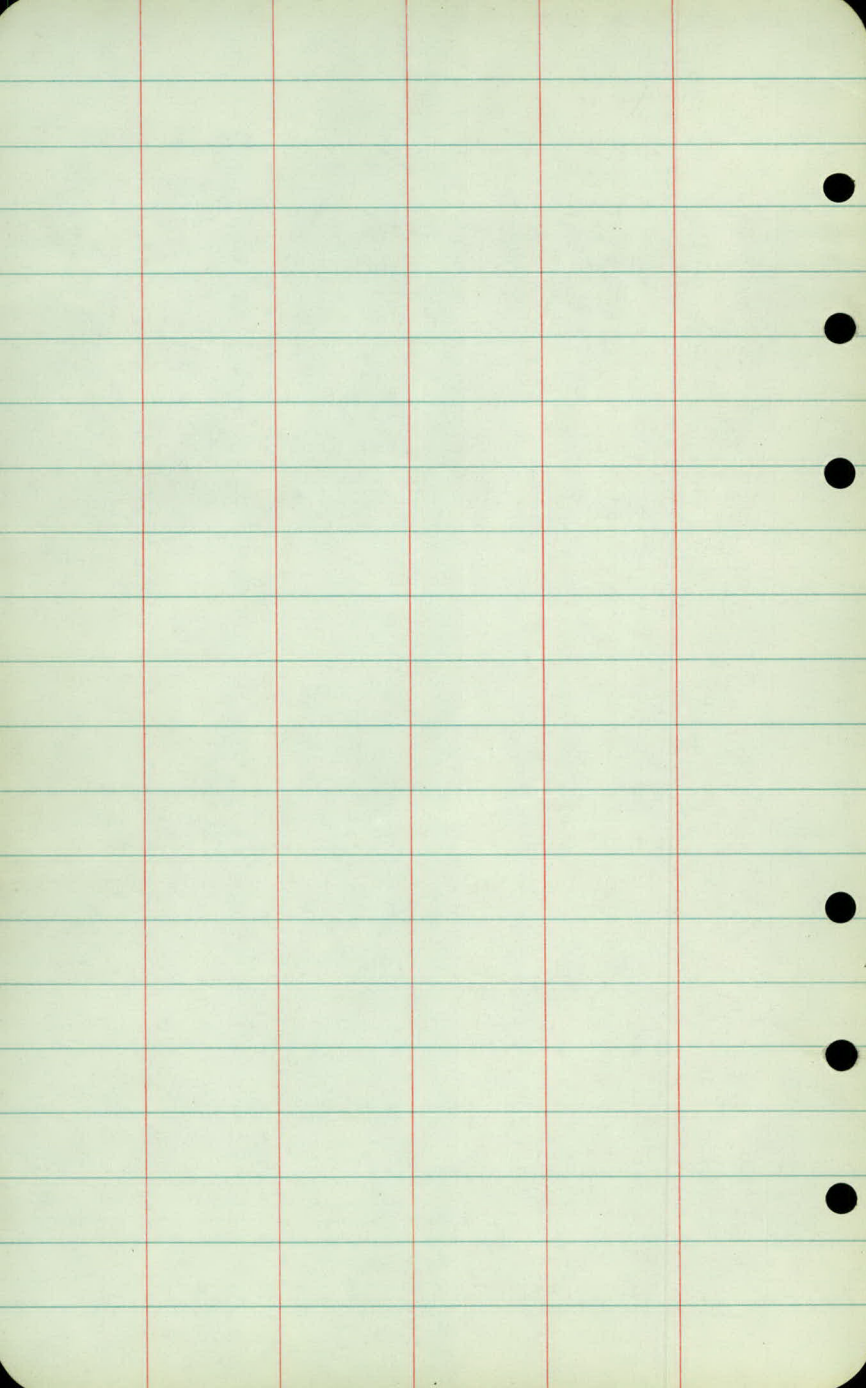
19.8
5.5
100

19.8	19.9	20.2	21.2	21.2	21.5	21.6	21.1	21.0	20.9	21.0
5.5	5.4	5.1	4.1	4.1	3.8	3.7	4.2	4.3	4.4	4.3
137	100	50	14	13		15	23	40	50	60

✓

20.24
5.04
137.1
N. Rail

Top NW Cor Control Box SE Cor. RR Tracks



26 APRIL 1961

Partly Cloudy 50°

72

KP

LB

RB

WHITE BEAR AVE

LARPEUR AVE TO APPROX 1300' N FROM

OLD CONCRETE PAVEMENT ELEV.

STA	+	Δ	-	ELEV.
BM	10.95	952.85 ^{.86}		941.90
		949.09		
1+00				
2+00				
+50				
3+00				
+50				
4+00				
TP	9.62	957.50	1.21	947.88
				4+00

26 APRIL 1961

73

LT

±

RT

TOP HYDRANT S.W. COR LARPE WHITE BEAR AVE

941.69
41.6A

7.40 11.22

48.65
A9.57

5.44 9.29

944.40

AA.63
AA.5*

46.9 8.56
46 13.0

446 8.32

944.48
461
461 8.49
10.0

945.38

45.61

45.42

371 7.60
13.0

3.48 7.38

367 7.56
10.0

46.40

46.65

46.47

2.69 6.60
13.0

2.44 6.34

2.62 6.52
10.0

47.47

47.78

47.58

1.62 5.54
13.0

131 5.23

1.51 5.44
10.0

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

		952.85 ⁶		
--	--	---------------------	--	--

		957.50		
--	--	--------	--	--

4+50				
------	--	--	--	--

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

5+50				
------	--	--	--	--

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

BM			2.94	954.56
----	--	--	------	--------

			8.69	948.81
--	--	--	------	--------

BM			4.19	948.66 ⁶⁷	948.84
----	--	--	------	----------------------	--------

TP1	5.53	957.68	0.70	952.15	
-----	------	--------	------	--------	--

BM	7.47	963.21	1.94	955.74	955.85
----	------	--------	------	--------	--------

BM			1.90	961.31	961.50
----	--	--	------	--------	--------

LT

26 APRIL 1961

±

RT

74

48.63

48.82

48.73

4.38 8.87
13.0

4.18 8.68

4.30 8.77
10.0

49.80

49.98

49.86

3.20 2.70
13.0

3.02 2.52

3.15 2.64
10.0

50.91

51.08

50.94

2.07 6.59
13.0

1.92 6.42

2.06 6.56
10.0

51.89

52.13

52.01

1.10 5.61
13.0

0.83 5.35

0.97 5.49
10.0

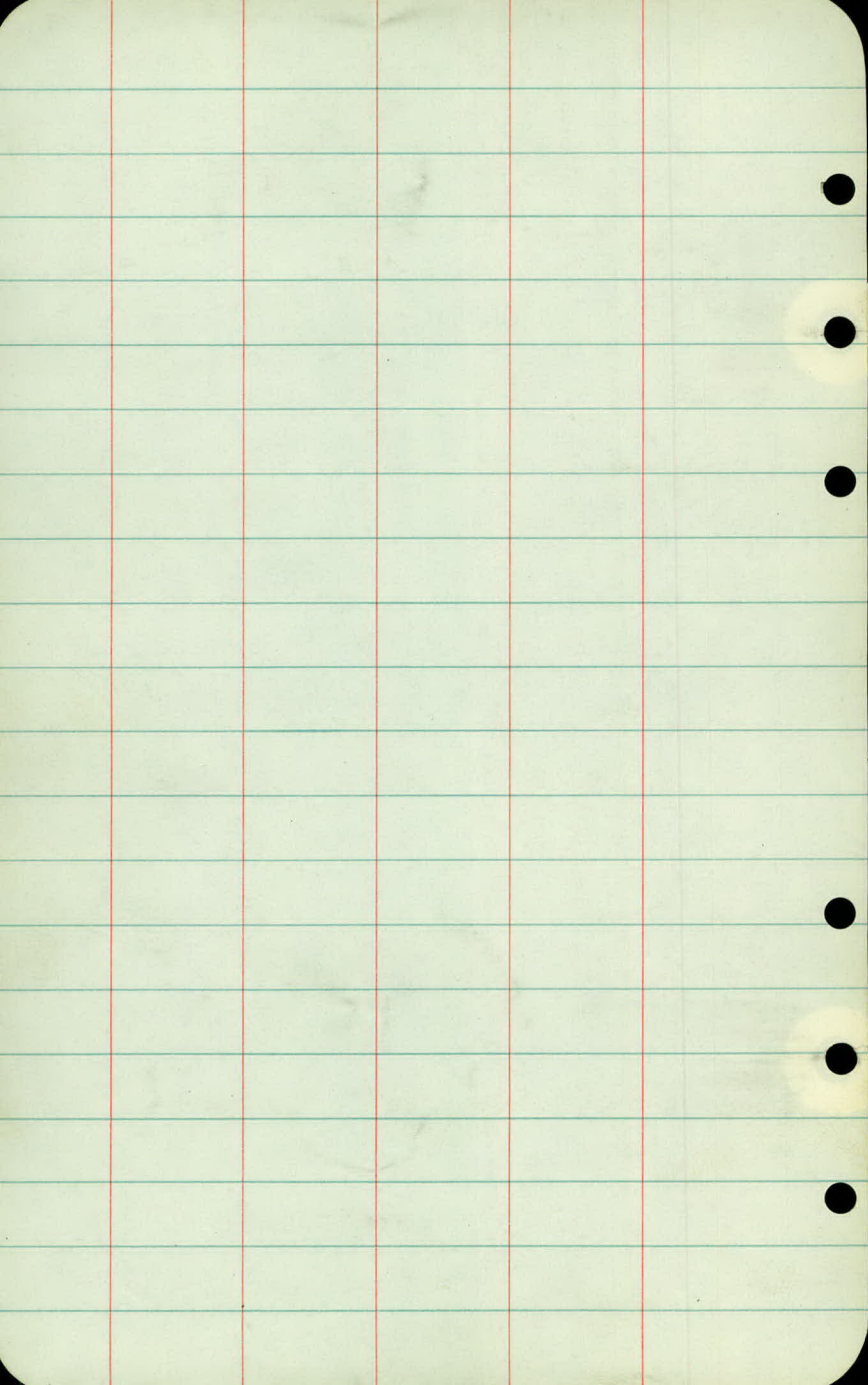
Robert Hall Sign

TOP NAIL ± STA 4+41.65

TOP NAIL ± STA 6+00

TOP RETAINING WALL 20.0 LT STA 7+

S.E. COR SIDEWALK HO# 1773 (YELLOW HO)



R6
SL
WM
LB

May 1, 1961
Fair, Windy

1

White Bear Ave

Concrete pavement elevations

Larp Ave = 0+00

Sta	+	π	-	Elev
BM	7.18	949.09		941.91

1+00

2+00

+50

3

+50

4

TP	9.62	957.50	1.21	947.88
BM				
4 + 41.65			8.69	948.81

948.82

+50

May 1, 1961

1413'

E

Rt 10'

2

Top Hyd SW Cor Larp $\frac{1}{2}$ W.B. Ave

941.69

7.40

943.65

5.44

944.40

944.63

944.48

4.69

4.46

4.61

945.38

945.61

3.71

3.48

3.67

2.69

2.44

2.62

1.62

1.31

1.51

Nail E Sta 4+00

nail @ P.I. W.B. Ave $\frac{1}{2}$ No. St. P. Road

8.87

8.68

8.77

Sta	+	π	-	Elev
		957.50		
5+00				
+50				
6+00				
BM			2.94	954.56 (954.55)
TBM	9.74	961.89		952.15
6+50				
7				
+50				
8+00				
BM			0.60	961.29

Lt 13'

E

May 3, 1961
Fair, Windy

Rt 10'

3

949.98

7.70

7.52

7.64

6.59

6.42

6.56

952.15

5.61

5.35

5.49

SW Cor. West footing Robt Hall sign on No. St. Paul Road
Nail ♀ Sta 6+00.

953.10

8.79

954.25

7.64

955.33

6.56

956.43

5.46

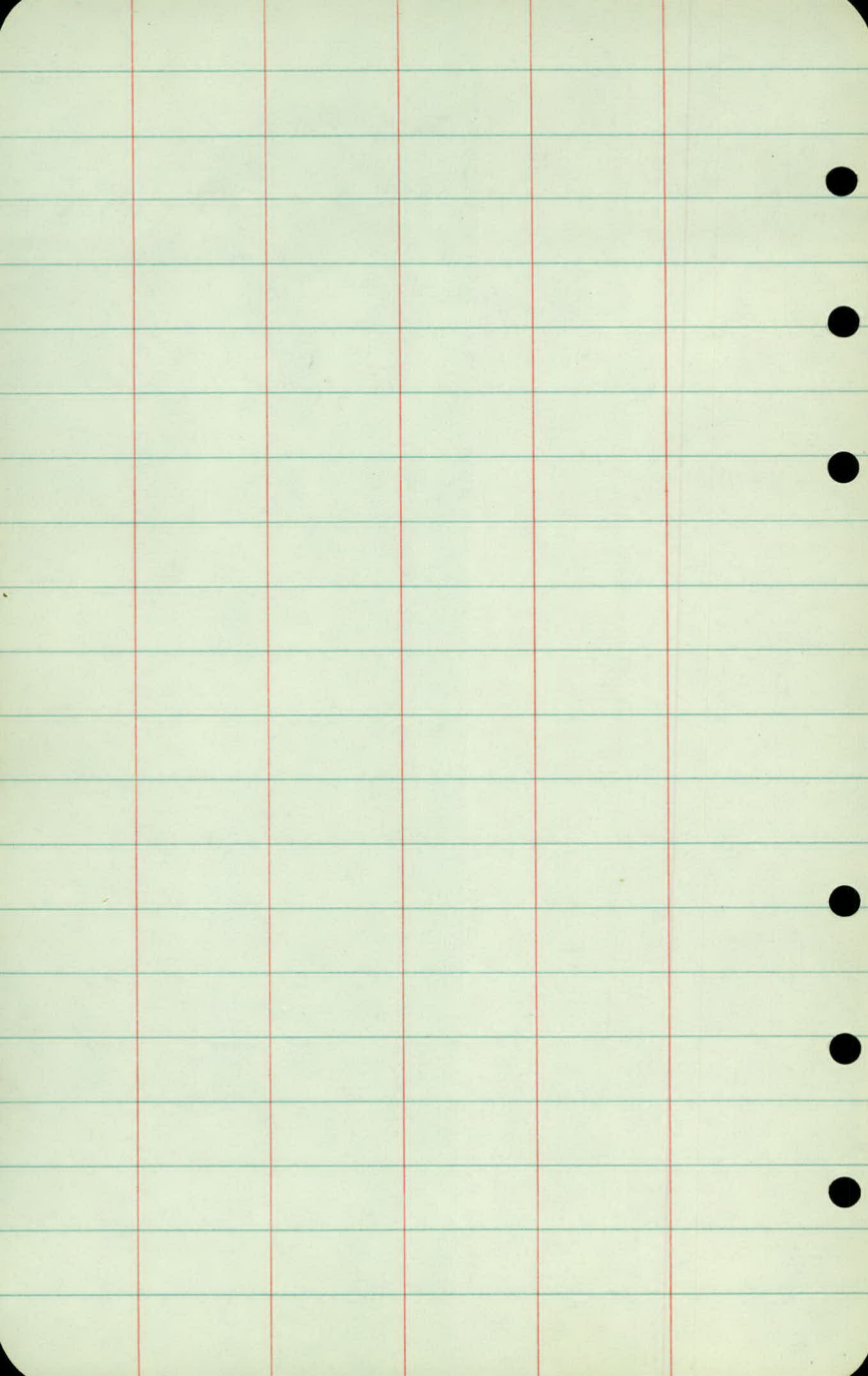
958.13

7.76

956.23

5.66

SE cor. Side walk yellow house #1773 W. B. Ave



KP
JS
FS
RB.

2 MAY 1961
SUNNY 50°

1.

WHITE BEAR AVE

LARPENTEUR AVE TO 1300' NORTH OF FROST

OLD CONCRETE ELEVATIONS

STA 6+00 TO 38+50

13 PAGES

Rec.-5-3-61

STA

+
12.59 π 961.41

-

ELEV.

*
948.82
948.84

6+00

+50

7

+50

8

+50

2 MAY 1961

2.

LT

~~8~~

RT

TOP NAIL & STA 4+41.65

51.87
9.54
13

52.12
9.29

51.99
9.42
10

53.20
8.21

54.16
7.25
13

54.33
7.08

54.22
7.19
10

55.40
6.01

56.26
5.15
13

56.50
4.91

56.31
5.10
10

57.47
3.94

STA

+

T.

-

ELEV

961.41

~~961.40~~

9

+50

TP

8.13

969.53

~~8.09~~~~969.48~~

0.01

961.40

~~961.39~~

(961.40)

10

+50

11

+50

2 MAY 1961

3.

LT

~~2~~

RT

58.12

3.29

13

58.41

3.00

59.30

2.11

58.22

3.19

10

S.E. COR. SIDEWALK Ho# 1773 (YELLOW Ho.)

60.12

9.41

13

60.43

9.10

61.38

8.15

60.21

9.32

10

62.25

7.28

13

62.40

7.13

63.36

6.17

62.23

7.30

10

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

969.53
~~969.48~~

12

+50

13

2.83	969.53	2.83	966.65	966.70 966.70
------	--------	------	--------	-----------------------------

+50

14

TP	9.37	978.42 978.38	0.47	969.06 969.07 969.01	969.05
----	------	-----------------------------	------	---------------------------------------	--------

2 MAY 1961

4.

LT		RT
64.25	64.37	64.25
5.28	5.16	5.28
13		10

65.48
4.05

66.46	66.57	66.48
3.07	2.96	3.05
13		10

TOP NAIL & STA 13+00

67.69
1.84

68.79	68.92	68.85
0.74	0.61	0.68
13		10

TOP S/E COR LOWER STEP # H/O. 1805

STA	+	π 978.42 978.38	-	ELEV.
-----	---	--------------------------------------	---	-------

14+50				
-------	--	--	--	--

15				
----	--	--	--	--

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

16				
----	--	--	--	--

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

7				
---	--	--	--	--

2 MAY 1961

5.

LT

~~4~~

RT

70.03

8.39

70.98
7.44
13

71.17
7.25

71.15
7.27
10

72.34
6.08

73.45
4.97
13

73.59
4.83

73.47
4.95
10

74.52
3.90

75.21
3.21
13

75.32
3.10

75.25
3.17
10

STA

+

T

-

ELEV.

978.42
~~978.38~~

17+50

18

TP

4.68 ~~980.34~~
~~980.30~~ 2.76 ~~975.66~~
~~975.62~~ (975.65)

8+50

9

+50

2 MAY 1961

6

LT

~~4~~

RT

75.75
2.67

75.97
2.45
13

76.09
2.33

76.04
2.38
10

N. RIM MH 21.0 LT STA 17+81

76.06
4.28

75.62
4.72
13

75.73
4.61

75.63
4.71
10

75.27
5.07

STA

+

T

-

ELEV.

980.34

~~980.30~~

20+00

+50

21

+50

22

+50

2 MAY 1961

7.

LT

~~5~~

RT

74.49
5.85
13

74.69
5.65

74.63
5.71
10

74.24
6.10

73.66
6.68
13

73.74
6.60

73.58
6.76
10

73.23
7.11

72.66
7.78
13

72.73
7.61

72.52
7.82
10

72.23
8.11

STA	+	T	-	ELEV.
		980.34		
		980.30		
		975.38		971.49
TP	3.89	975.34	8.85	971.45

23+00

+50

24

+50

25

5.72 969.66
~~969.62~~ (969.70)

LT

£

2 MAY 1961

8.

RT

TOP N. EDGE CM 21.0 LT STA 23+01

71.59
3.79
13

71.74
3.64

71.56
3.82
10

71.26
4.12

70.60
4.78
13

70.78
4.60

70.70
4.68
10

70.21
5.17

69.36
6.02
13

69.48
5.90

69.45
5.93
10

STA 25+00 £ (NAIL MISSING)

STA	+	Δ	-	ELEV.
		975.38		
		975.34		

25+50

26

TP	0.93	968.02	8.29	967.09	967.06
		967.98		967.05	

+50

27

+50

2 MAY 1961

9.

LT

RT

~~68.64~~
6.74

67.61
7.77
13

67.70
7.68

67.67
7.71
10

TOP MONT & FROST & WHITE BEAR AVE.

66.42
1.60

64.68
3.34
11

64.80
3.22

64.75
3.27
12

63.21
4.81

STA	+	Σ	-	ELEV.
		968.02		
		967.98		

28

+50

29

+50

30

TP	0.37	955.53		955.16
		955.49	12.86	955.12

2 MAY 1961

10.

LT

~~E~~

RT

61.37

61.41

61.39

665

661

663

11

12

59.71

8.31

57.69

57.80

57.85

10.33

10.22

10.17

11

12

56.07

11.95

54.32

54.37

54.32

13.70

13.65

13.70

11

12

TOP CONC. (NE COR. DRIVE 18.0 LT 29+70)

STA	+	T 955.53 955.49	-	ELEV.
-----	---	----------------------------------	---	-------

30+50				
-------	--	--	--	--

31				
----	--	--	--	--

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

32				
----	--	--	--	--

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

33				
----	--	--	--	--

TP	0.01	943.75 943.71	11.79	943.74 943.70
----	------	-----------------------------	-------	-----------------------------

LT

2 MAY 1961

11,

RT

52.69

2.84

50.76

4.77

11

50.82

4.71

50.81

4.72

12

49.00

6.53

46.91

8.62

11

46.94

8.59

46.87

8.66

12

45.01

10.52

43.01

12.52

11

43.05

12.48

43.01

12.52

12

TOP MH (N. RIM) & FLANDRAU ST.

STA + π - ELEV.

~~943.75~~
~~943.71~~

33+50

34

+50

35

+50

36

TP 0.09 ~~931.72~~ 12.12 ~~931.63~~ ~~931.59~~ 931.63

LT

E

2 MAY 1961

12.

RT

241.19

2.56

39.06

4.69

10

39.17

4.58

39.16

4.59

10

37.24

6.51

35.24

8.51

10

35.24

8.51

35.21

8.54

10

38.38

10.37

31.35

12.40

10

31.42

12.33

31.30

12.45

10

TOP NAIL E STA 36+00

STA + Δ - ELEV

~~931.72~~
~~931.68~~

36+50

37

+50

38

+50

BM

10.10

8.91

⁶²
~~921.58~~
~~922.81~~
~~922.77~~

922.81

LT

2 MAY 1961 13.

RT

$$\begin{array}{r} 29.42 \\ 2.30 \end{array}$$

$$\begin{array}{r} 26.94 \\ 4.78 \\ 10 \end{array}$$

$$\begin{array}{r} 27.28 \\ 4.44 \end{array}$$

$$\begin{array}{r} 27.24 \\ 4.48 \\ 10 \end{array}$$

$$\begin{array}{r} 25.42 \\ 6.30 \end{array}$$

$$\begin{array}{r} 23.17 \\ 8.55 \end{array}$$

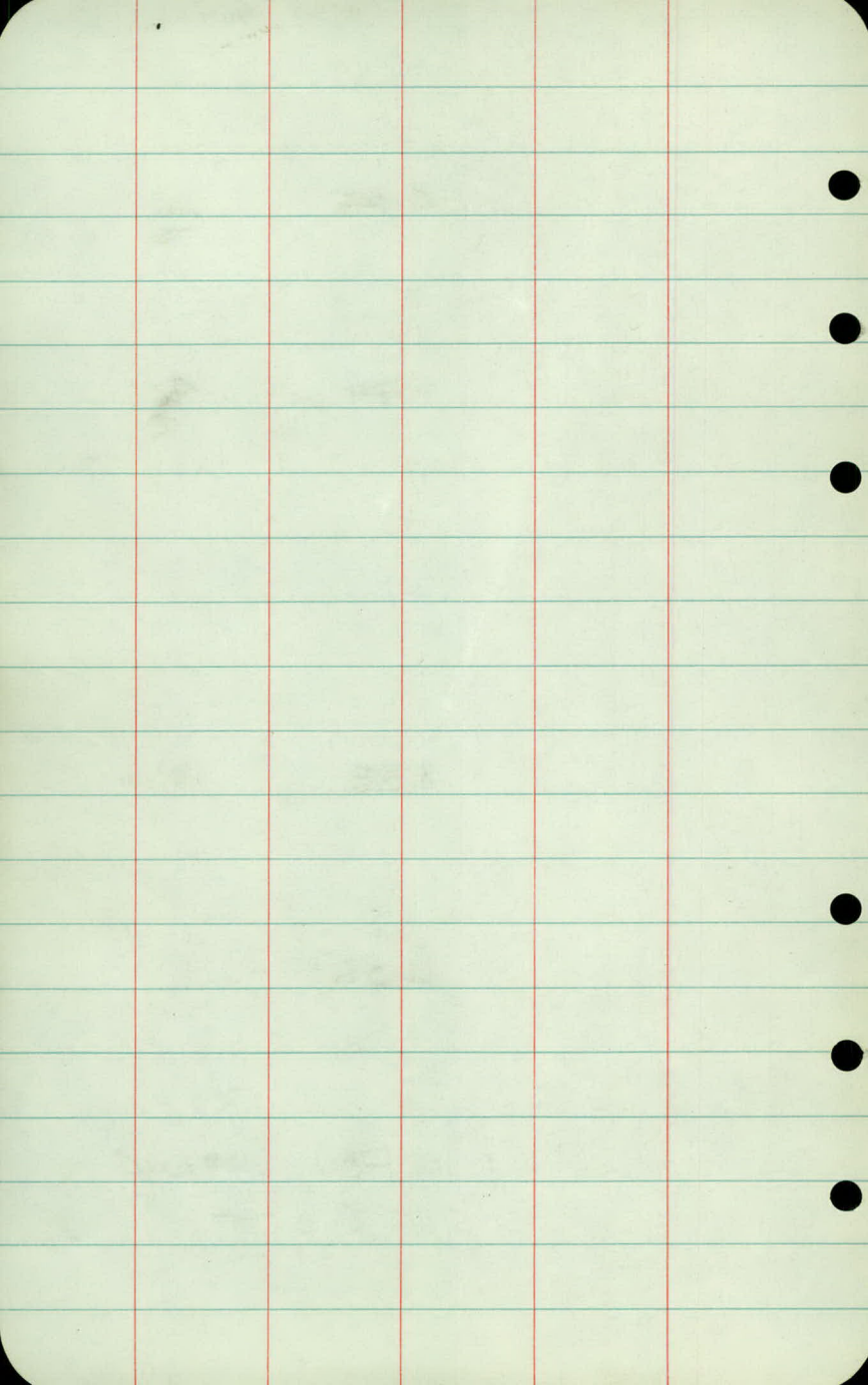
$$\begin{array}{r} 23.23 \\ 8.49 \\ 10 \end{array}$$

$$\begin{array}{r} 21.52 \\ 10.20 \\ 10 \end{array}$$

$$\begin{array}{r} 21.70 \\ 10.02 \end{array}$$

$$\begin{array}{r} 21.69 \\ 10.03 \\ 10 \end{array}$$

TOP NAIL & RR TRACKS
 TOP N.W. COR CONC. FOUNDATION
 CONTROL BOX S.E. COR TRACKS



R6
JL
WM
LB

May 2, 1961
Fair

1

White Bear Ave

Additional X-Sections

Larp Ave = 0+00

3 pages

Sta	+	π	-	Elev
BM	6.55	955.37		948.82
3+50				
3+52				
4+00				
4+02				
+14				
+49				
+62				
+75	Top Bank			

May 2, 1961

LT

E

2

51.1 50.2 49.2 48.2
 4.3 5.2 6.2 7.2
 100 82 69 60

✓

49.8 49.1 48.5 47.6
 5.6 6.0 6.9 7.8
 100 89 74 60

✓

49.1 48.9 48.1 47.7
 6.3 6.5 7.0 7.7
 100 89 75 60

✓

50.3 50.3 49.8 49.0 48.4
 5.1 5.1 5.6 6.4 7.0
 125 100 86 72 60
 H0

✓

50.0 50.0 49.7 49.0
 5.4 5.4 5.7 6.4
 100 90 77 60

✓

50.7 50.0 50.2 49.7
 4.7 4.8 5.2 5.7
 100 90 78 60

✓

Sta + π - Elev

955.37

+80 mid-bank

+82 2 ditch

+84 mid-bank

+86 Top bank

BM 0.81 954.56 954.55

BM 6.55 948.82 948.82

May 2, 1961

LX

2 3

A9.6	A8.9	A8.6	A8.8	A9.5	A9.6	A9.7
5.8	6.5	6.8	6.6	5.9	5.8	5.7
100	75	50	31	20	13	2
BT						

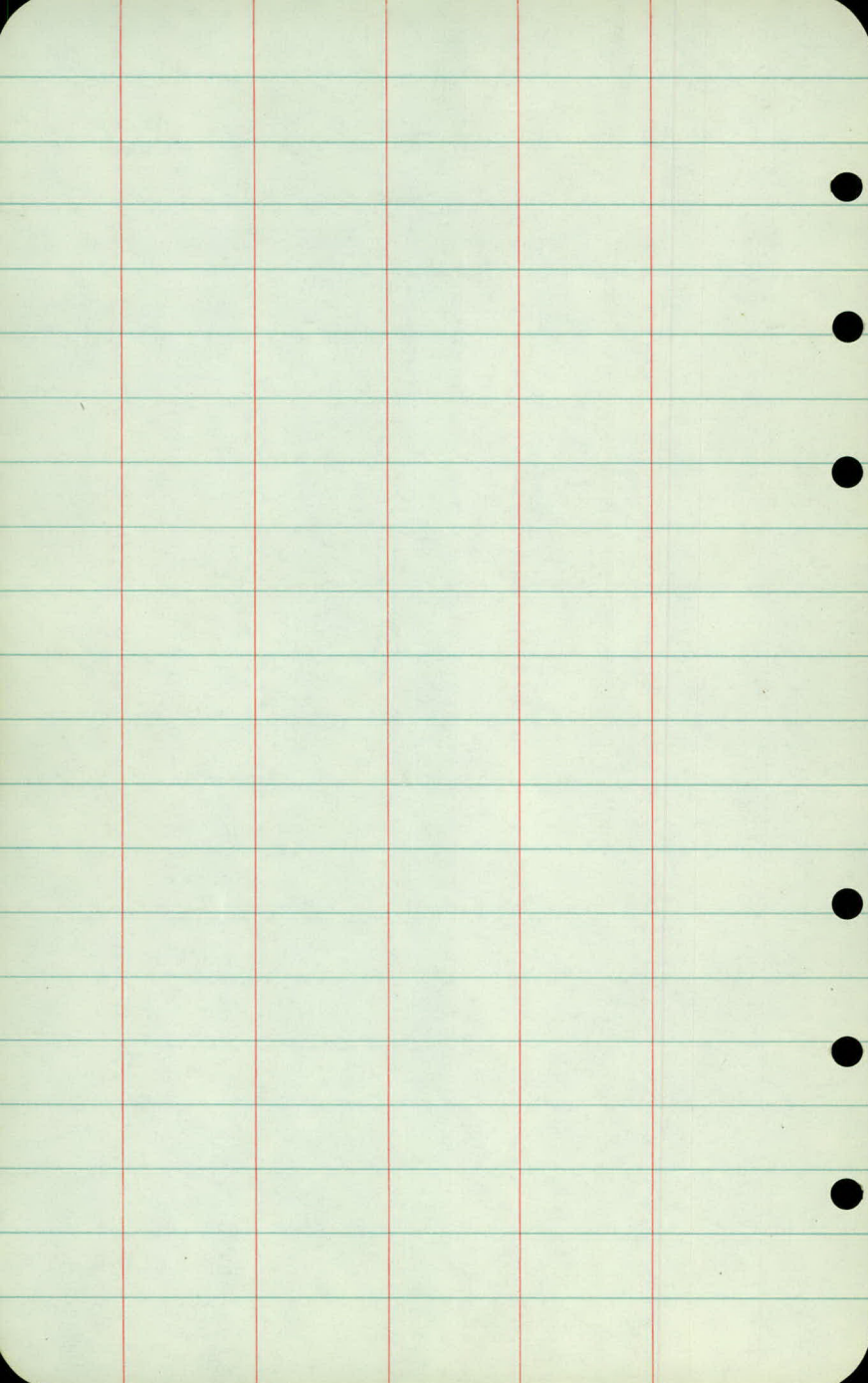
A8.8	A8.6	A8.1	A7.7	A7.2	A6.5	A6.5	A9.6	A9.7	A9.7
6.6	6.8	7.3	7.7	8.2	8.8	8.9	5.8	5.7	5.7
100	89	72	50	32	25	25	18	13	
FL 15" No. encl. cm.									BT

50.4	50.3	50.0	A8.4	A9.2	A7.5	A7.3	A7.8	A9.4	A9.7	A9.8
5.0	5.1	5.4	6.0	6.2	7.9	8.1	7.6	6.0	5.7	5.6
100	93	76	54	36	29	26	22	19	13	
BT										

51.0	50.5	9.9	9.7	7.6	7.4	8.2	9.2	9.6	9.7	9.8
4.4	4.9	5.5	5.7	7.8	8.0	7.2	6.2	5.8	5.7	5.6
100	80	58	35	29	26	21	18	16	13	
BT BT										

SW cor West footing Robt Hall sign

Nail sta 4+41.80



RG
JL
WM
LB

May 2, 1961
Fair

1

White Bear Ave

Ditch X-Sections

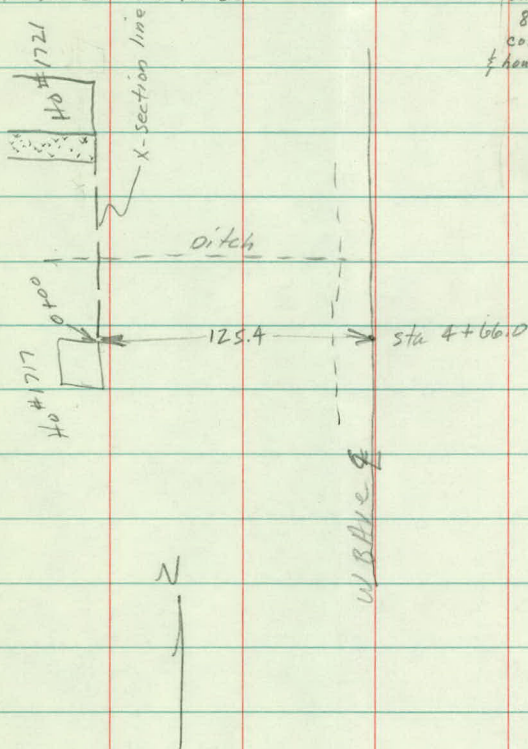
2 pages

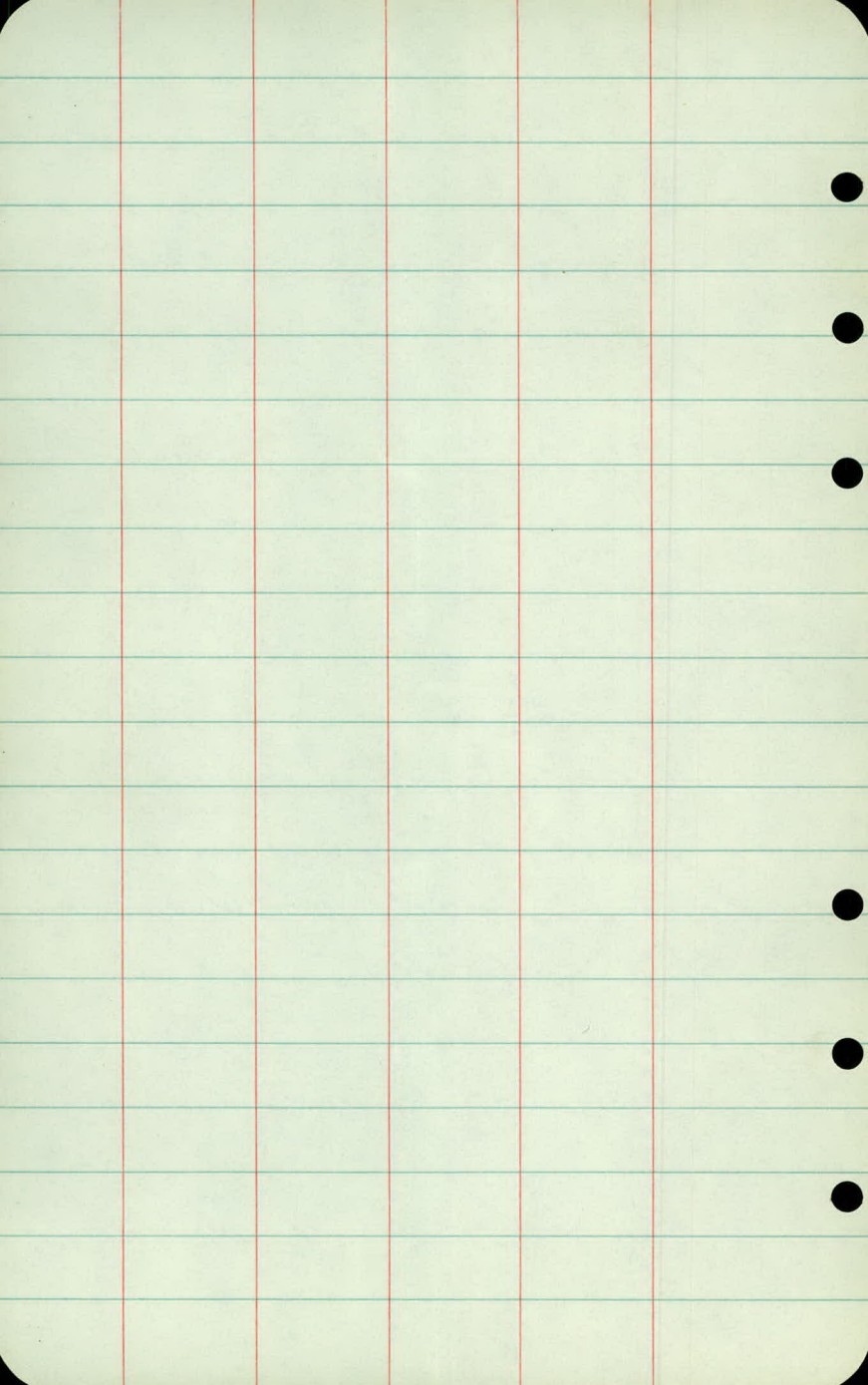
Sta	+	π	-	Elev
BM	1.10	955.66		954.56
0+00				
BM			6.84	948.82

2

950.4	950.7	950.5	949.9	949.3	949.1	949.2	950.1	950.8	951.3	951.5	952.0
5.3	5.0	5.2	5.8	6.4	6.6	6.5	5.6	4.9	4.4	4.2	3.7
0	8	12	14	15	16	16.5	17	19	22	37	54

952.94	952.79	952.4
2.72	2.87	3.3 ✓
81	71	66
conc house	conc drive	





R6
JL
WM
LB

May 4, 1961
Fair, Clear

White Bear Ave

Additional X-Sections

W.B.A.

Sta	+	π	-	Elev
BM	2.30	951.12		948.82

2+87

3+00

3+50

✓

T.P.	5.93	955.27	1.78	949.34
------	------	--------	------	--------

BM			0.72	954.55
				954.56

2

RT

2

mail 2 sta 4 + 41.80

A ^{5.1}	A ^{5.0}	A ^{5.3}	A ^{5.6}	A ^{5.1}	A ^{5.9}	A ^{5.8}	A ^{6.0}	A ^{6.6}
5.7	6.1	5.8	5.5	6.0	5.2	5.3	5.1	4.5
	21	24	31	50	62	93	100	120
BT	BT				BT	BT	BT	BT

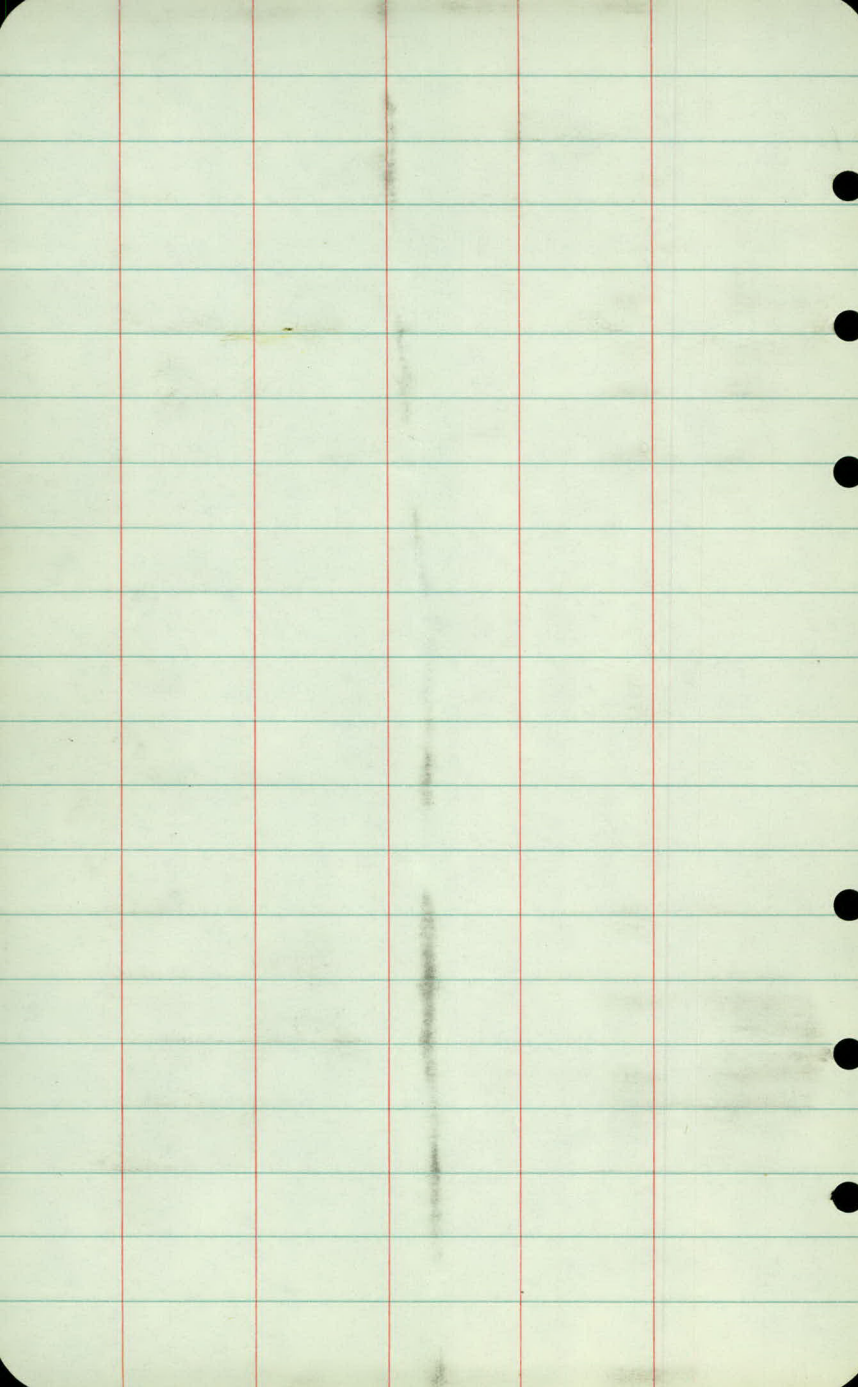
A ^{5.7}	A ^{5.5}	A ^{5.3}	A ^{5.8}	A ^{5.5}	A ^{6.1}	A ^{5.8}	A ^{6.1}	A ^{6.8}
5.4	5.6	5.8	5.3	5.6	5.0	5.3	5.0	4.3
	12	25	34	53	65	85	100	125
BT	BT	BT			BT	BT	BT	BT

A ^{6.7}	A ^{6.6}	A ^{6.7}	A ^{6.3}	A ^{7.1}	A ^{8.3}	A ^{8.7}	A ^{8.5}
4.4	4.51	4.4	4.8	4.0	2.8	2.4	2.6
	14	28	48	68	77	100	116
	conc.	BT	BT		BT	BT	BT

A ^{8.4}	A ^{8.1}
2.7	3.0
155	134
BT	BT

Rock

Robert Hall sign



KG
JL
WM
LB

May 16, 1961

1

White Bear Ave X-Section Extensions

4 pages

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

		963.89		
--	--	--------	--	--

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

+05				
-----	--	--	--	--

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

+63				
-----	--	--	--	--

10+00				
-------	--	--	--	--

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

May 16, 1961

Lt

E

Rt

2

3.4	3.4	3.7	4.6
107	96	78	68

3.4	3.4	3.7	4.6
107	96	78	60

2.5	2.7	3.4	3.9
126	95	70	60
HO			

2.2	2.5	3.2	3.6
114	98	71	60

0.8	1.4	1.6	1.9	2.6
125	120	104	82	60
HO				

0.0	0.0	0.3	0.9	1.5
132	124	104	79	60
HO				

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

		969.70		
--	--	--------	--	--

11+00				
-------	--	--	--	--

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

+83				
-----	--	--	--	--

12+00				
-------	--	--	--	--

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

13+00				
-------	--	--	--	--

May 19, 1961

L+

E

R+

3

7.6	6.6	6.0	6.2	6.3
160	134	108	84	60

5.5	5.6	5.7	6.1
125	106	85	60
HD			

5.5	4.8	4.3	4.5	5.1	5.5
152	124	109	95	75	60

2.0	2.5	3.1	3.8	4.3
126	102	100	80	60
Gar	conc			

1.5	1.8	2.2	2.6	3.1
125	116	95	76	60
HO				

1.0	1.5	1.7	2.0
117	99	75	60
S.W			

Sta + π - E/ev

996.87

13+47

13+75 see driveway X-sections

14+00

+10 Dupl

+55

+78

+84

15+00 see driveway X-sections

May 16, 1961

Lt

E

Rt

4

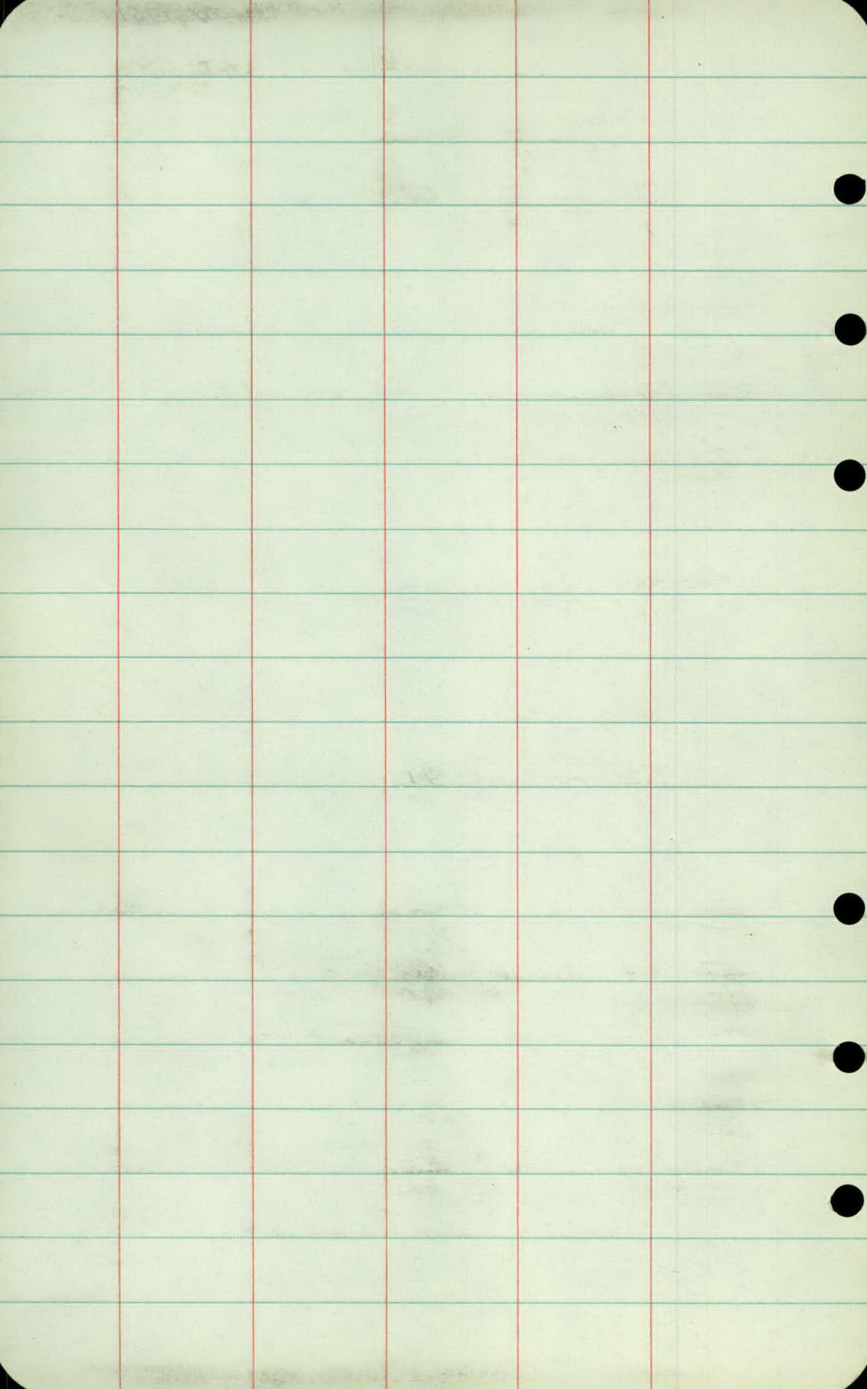
8.3	8.2	8.6	8.7
121	102	84	60

7.0	7.6	8.0	8.2
150	114	90	60

5.6	6.3	7.0	7.6	8.0
135	113	95	79	60

5.2	6.0	6.9	7.7
138	109	86	60

4.7	5.4	6.1	6.3	6.4
135	123	106	86	60



RG
IL
WM
JB

May 16, 1961
PC 600

1

White Bear Ave.

Driveway X-Sections

Redlined
JK

Sta	+	π	-	Elev
BM				954.45
BM	6.25	956.23		949.98
4+68				
5+41				
6+00			4.08	952.15
5+98				
7+00			1.84	954.39
7+12				
TP	9.63	964.69	1.17	955.06
7+40				

May 16, 1961

Lt

F

2

SW Cor. West footing Robt Hall sign

5.0.8 5.0.7 5.0.0 5.0.1 5.0.6 5.0.5 49.2 49.4
 5 5 5 5 5 5 4 4

5.4 5.5 6.2 6.5 6.6 6.7 7.0 6.8
 100 94 69 55 38 19 17

5.2.4 5.2.0 5.1.4 5.0.9 5.0.8 5.0.9 95.0
 5 5 5 5 5 5 9
 3.8 4.2 4.8 5.3 5.4 5.3 5.2
 100 87 69 45 23 12

F conc.

5.2.1 5.1.9 5.1.7 5.1.7 5.1.9 5.2.1 5.2.2
 4.1 4.3 4.5 4.5 4.3 4.1 4.0
 100 86 67 47 26 13

F conc.

5.4.8 5.4.4 5.4.3 5.4.1 5.4.4 5.4.6 5.4.7
 1.4 1.8 1.9 2.1 1.8 1.6 1.5
 100 72 56 36 25 13

Rock

5.7.3 5.6.7 5.6.3 5.5.5 5.5.2 5.5.2 5.5.3 5.5.4
 7.4 8.0 8.4 9.2 9.5 9.5 9.4 9.3
 100 81 62 40 26 16 12

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

		964.69		
--	--	--------	--	--

8+00			8.12	956.57
------	--	--	------	--------

8+27				
------	--	--	--	--

8+89				
------	--	--	--	--

9+00			6.23	958.46
------	--	--	------	--------

9+77				
------	--	--	--	--

9+89				
------	--	--	--	--

10+00			4.24	960.45
-------	--	--	------	--------

10+41				
-------	--	--	--	--

May 16, 1961

L+

£

3

£ conc.

60.84	59.86	58.53	57.6	57.1	57.1	57.2
3.85	4.83	6.16	7.2	7.6	7.6	7.5
100	78	54	43	26	12	
conc.	conc.	conc.				

60.5	59.8	58.6	58.6	58.1	58.3	58.4
4.2	4.9	5.9	6.1	6.6	6.4	6.3
100	75	54	41	23	13	

£ conc.

61.3	61.0	60.3	59.9	59.8	59.9	60.1
3.4	3.7	4.4	4.8	4.9	4.8	4.6
100	77	54	43	26	12	

61.9	61.5	60.9	60.1	60.6	60.1	60.3
2.8	3.2	3.8	4.6	4.7	4.6	4.4
100	80	60	40	26	13	

£ conc.

63.0	62.8	62.2	61.6	61.2	61.1	61.2	61.4
1.7	1.9	2.5	3.1	3.5	3.6	3.5	3.3
100	86	69	28	25	17	13	

Sta	+	π	-	Elev
		964.69		
TP	8.68	971.46	1.91	962.78

11+71

11+98

12+00

7.05 964.41

12+90

13+85

TP	9.55	977.97	3.04	968.42
----	------	--------	------	--------

15+00

6.71 971.26

Lt.

May 16, 1961

£

4

Top South end of C.M. culv. Lt Stg 11+60±

63.7	64.0	64.4	64.5	64.3	64.1	63.9	63.7	63.9	64.0
7.8	7.5	7.1	7.0	7.2	7.4	7.6	7.8	7.6	7.5
150	132	117	100	73	53	34	22	13	

67.27	67.8	66.5	65.8	65.3	64.6	64.3	64.6
4.19	4.7	5.0	5.7	6.2	6.9	7.2	7.1
104	100	90	70	50	30	22	13

conc.

£ conc.

68.0	67.8	67.5	66.7	66.1	66.4	66.5	66.3
35	37	40	48	54	51	50	50
100	90	72	47	25	19	13	

69.8	69.5	69.2	69.2	69.0	68.8	68.3	68.7	68.7	68.7
1.7	2.0	2.3	2.3	2.5	2.7	3.2	2.8	2.8	2.8
144	124	100	76	54	33	27	23	13	

Top North end of C.M. culv Lt Stg 13+95±

£ conc.

Sta

+

π

-

Elev

977.97

15+02

15+74

16+00

4.26 973.71

16+36

May 16, 1961

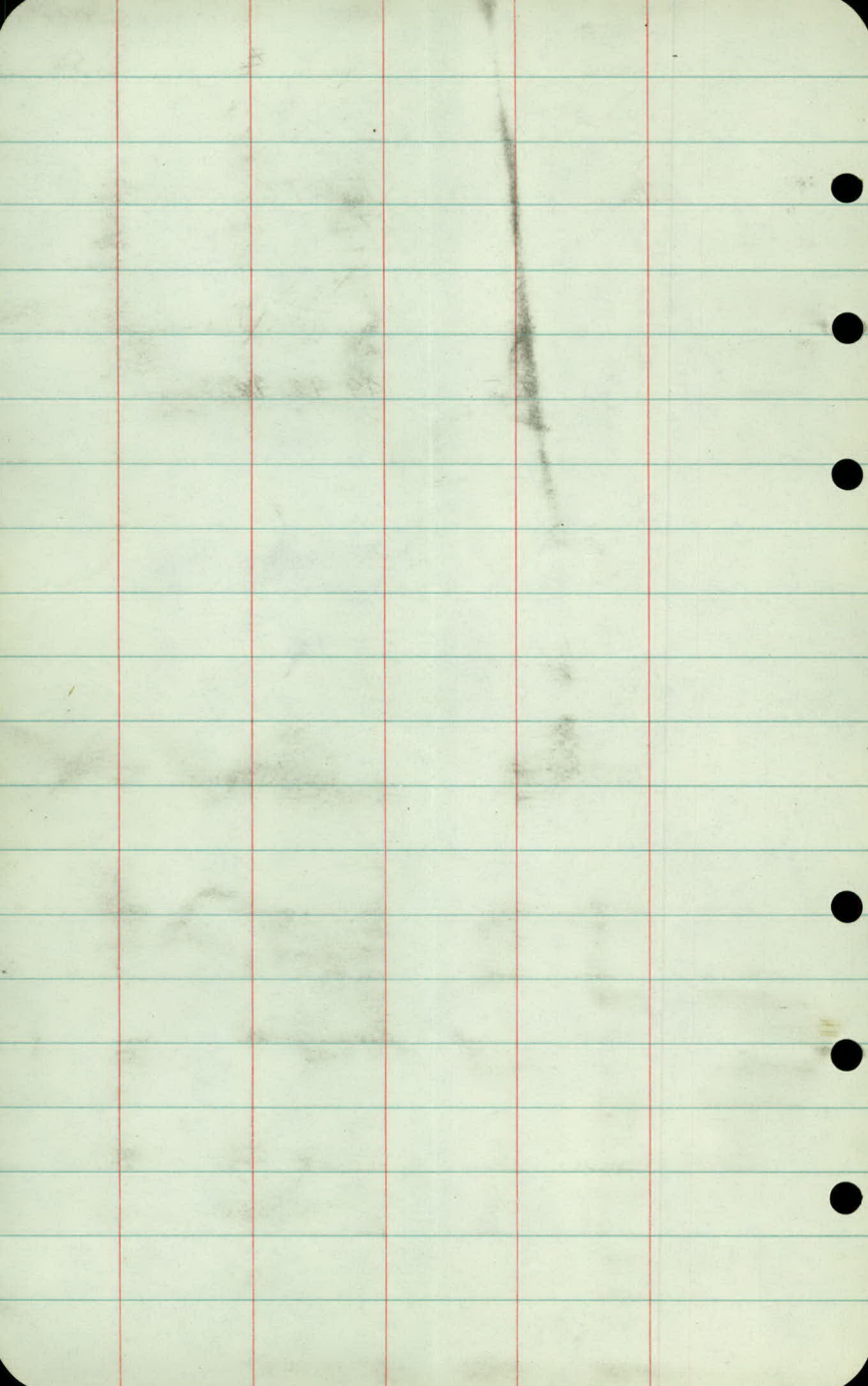
5

71.23	71.01	70.87	70.67	70.59	70.81	71.3	71.4
6.74	6.96	7.10	7.30	7.38	7.16	6.7	6.6
137	116	96	76	54	27	13	
conc.	conc.	conc.	conc.	conc.	conc.		

75.6	75.1	74.6	73.6	73.1	73.2	73.2
2.4	2.9	3.4	4.4	4.9	4.8	4.8
100	90	77	48	25	13	

£ conc.

77.0	76.1	75.4	75.0	74.6	74.5	74.6
1.0	1.9	2.6	3.0	3.4	3.5	3.4
100	73	51	36	21	13	



KP
FS
RB
UD

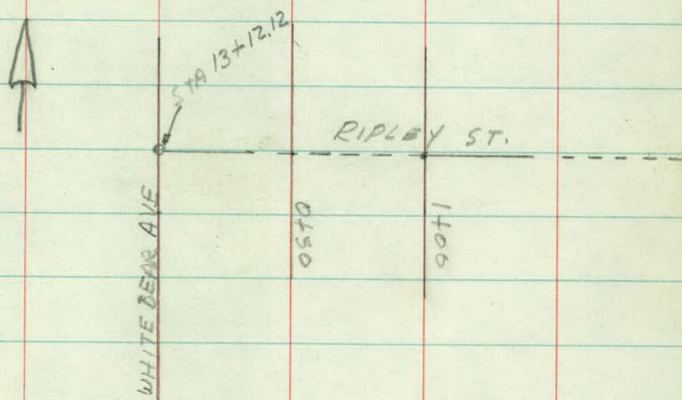
19 JUNE 1961

WHITE BEAR AVE

LARPELLEUR AVE TO SOO LINE RR.

ADDITIONAL X-SECTIONS.

$\frac{1}{4}$ $\frac{1}{4}$ LINE AT RIPLEY ST.



REC 6/19/61

STA	+	π	-	ELEV.
BM	3.29	972.34		969.05

13+12.12 = $\frac{1}{4}$ $\frac{1}{4}$ LINE AT RIPLEY ST.

0+00 = $\frac{1}{2}$ WHITE BEAR AVE STA 13+12.12

0+50

✓

1+00

BM		5.64	966.70	966.70
----	--	------	--------	--------

19 JUNE 1961

LT

±

RT

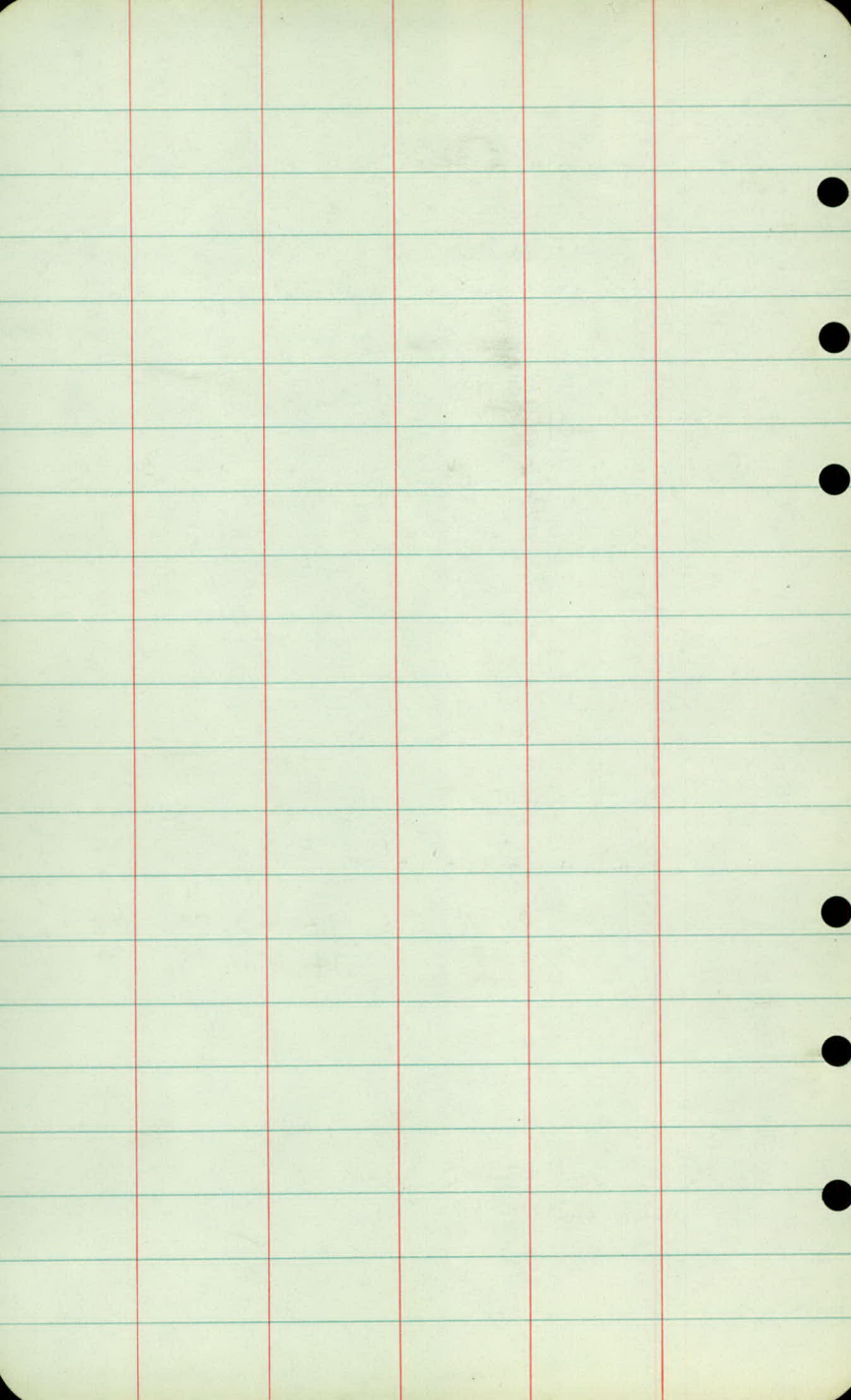
S.E. COR LOWER STEP Ho# 1805

5.4 6.9

6.4	6.3	6.6	6.6	6.2	6.7	6.3	6.7	6.3	6.8
5.9	7.0	7.7	7.7	7.1	7.6	8.0	7.6	8.0	8.5
75	51	33	27	13		13	21	50	75
		Fe							

6.7	6.9	6.4	6.7	6.9	6.5	6.8	6.3	6.8	6.1	6.3
5.6	9.4	9.9	8.6	8.4	8.8	9.5	9.0	8.5	8.2	8.0
83	33	29	23	10		14	23	34	50	75
	Fe									

TOP PK ± STA 13+00



RG
WM
LB

June 21, 1961
Clear 75°

1

White Bear Ave.

Additional X-Sections

Sta	+	A	-	Elev
BM	4.37	975.90		971.53

23+18

+31 Top Bank

+34 Bottom Bank

✓

+49

✓

RG
WM
LB

L+

F

R+

2

June 21, 1961

Top Hyd SW Cor Frost $\frac{1}{2}$ WBAre

0.1	0.2	0.3	0.6	1.2	2.1	2.9	4.25
124	118	110	100	85	70	60	

40

0.5	0.8	1.3	1.7	2.1	3.1	4.4
124	111	100	91	76	60	

3.5	3.7	4.2	4.2	4.1	4.8	4.4
139	117	100	92	75	60	

3.7	4.4	5.0
160	180	200

4.7	4.8	5.5	5.5	5.2	4.5
145	124	100	80	60	

5.6	6.1	6.6
166	186	200

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

		975.90		
--	--	--------	--	--

23+58				
-------	--	--	--	--

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

+81				
-----	--	--	--	--

24+00				
-------	--	--	--	--

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

		8.86		
--	--	------	--	--

			967.04	
--	--	--	--------	--

				967.06
--	--	--	--	--------

June 25, 1961

Lt

2 3

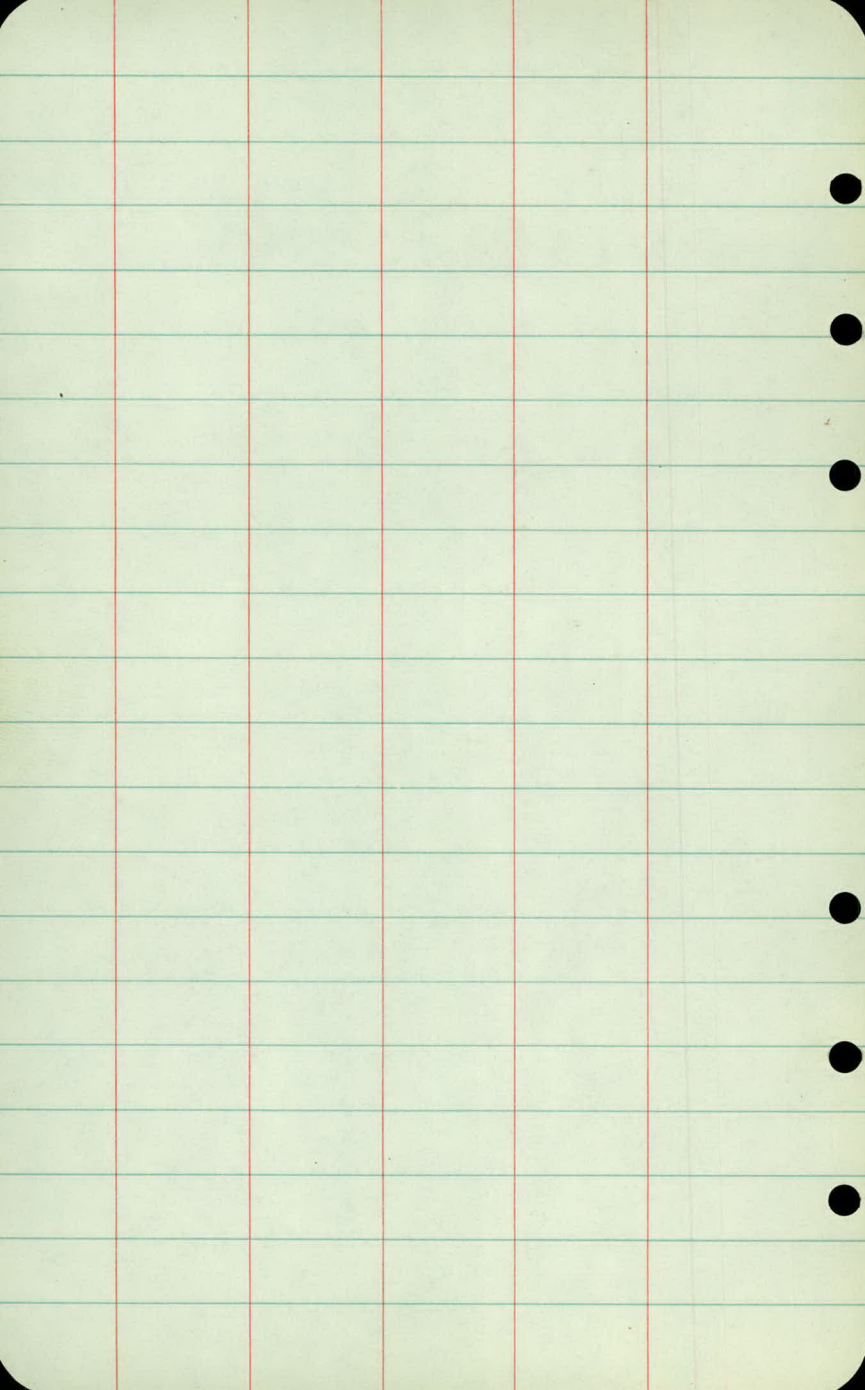
7.2	6.7	5.9	5.2	5.4	5.8	5.8	5.8	4.6
200	177	164	144	124	100	75	60	1

3.59	3.72	3.9	4.0	4.2	4.4	4.7	4.7
153	145	144	123	100	80	60	
Conk Gar Floor	Conc						

3.8	3.9	3.8	4.0	4.5	5.1	4.8
153	140	124	100	80	60	
Gar						

3.03	3.5	3.9	4.6	5.0	4.96
115	115	100	80	60	
Top lower step					

Top Mont Frost & W.B. Arc.



KP
JS
FS
RB

18 MAY 1961

1.

LARPENTEUR AVE

750 EAST & 1000 W OF WHITE BEAR AVE.

X- SECTIONS

3 PAGES

reduced by KP 5-19-61
ckd

STA + π - ELEV.

BM 3.29 945.20

941.91

0+00 = MONT $\frac{1}{2}$ LARPENTEUR WHITE BEAR AVE.

0-100

✓

0-76

✓

0-46

✓

18 MAY 1961

2.

LT

E

RT

TOP HYD. S.W. COR LARPEUTEUR, WHITE BEAR AVE

4.9	4.7	4.4	4.8	4.7	4.4	4.1	4.54	4.70
3.3	3.5	3.8	3.4	3.5	3.8	4.1	3.66	3.50
45	39	26	13		14	19	20	27

GUTTER CURB SW

4.75	4.30	4.49	4.84
4.45	3.90	3.71	3.36
67	50	41	32
conc.	conc.	conc.	SW

4.6	4.2	4.2	4.1	4.9	4.6	4.94	4.12
3.6	4.0	4.0	4.1	4.3	4.6	4.26	4.08
43	26	15		14	19	20	26

GUTTER CURB SW

4.59	4.04	4.24	4.71	4.22
4.61	4.16	3.96	3.49	3.98
73	42	33	32.5	32
conc.	conc.	conc.	CURB	SW

4.50	4.52	4.5	4.8	4.5	4.0	4.9	4.7	4.28	4.34
3.70	3.68	3.7	4.4	4.7	5.2	5.3	5.5	4.92	4.86
69	66	45	30	16		12	19	27	33
conc.	conc.							SW	SW

4.7
3.5
75

3.55	3.95
5.65	5.25
75	50
conc.	conc.

STA + π - ELEV.

945.20

0+00 = $\pm$ LARP. $\pm$ WHITE BEAR AVE

✓

0+46

✓

0+75

✓

BM

3.29

941.91

941.91

18 MAY 1961

3.

LT

E

RT

LT	E	RT
41.3	40.8	40.2
3.9	4.4	5.0
75	50	24

39.7

39.2

39.0

38.7

6.0

6.2

6.5

25

50

75

✓

41.4

40.9

40.6

40.2

39.8

39.7

39.3

39.55

39.67

39.1

3.8

4.3

4.6

5.0

5.4

5.5

5.9

5.65

5.53

5.8

75

47

30

20

18

15

26

32

34

SW

SW

✓

39.9

39.6

6.3

5.6

75

48

42.1

41.3

40.9

40.0

39.9

40.0

39.5

39.85

39.95

39.7

3.1

3.9

4.3

5.2

5.3

5.2

5.7

5.35

5.25

5.5

75

50

42

20

18

15

26

32

35

SW

✓

39.2

39.1

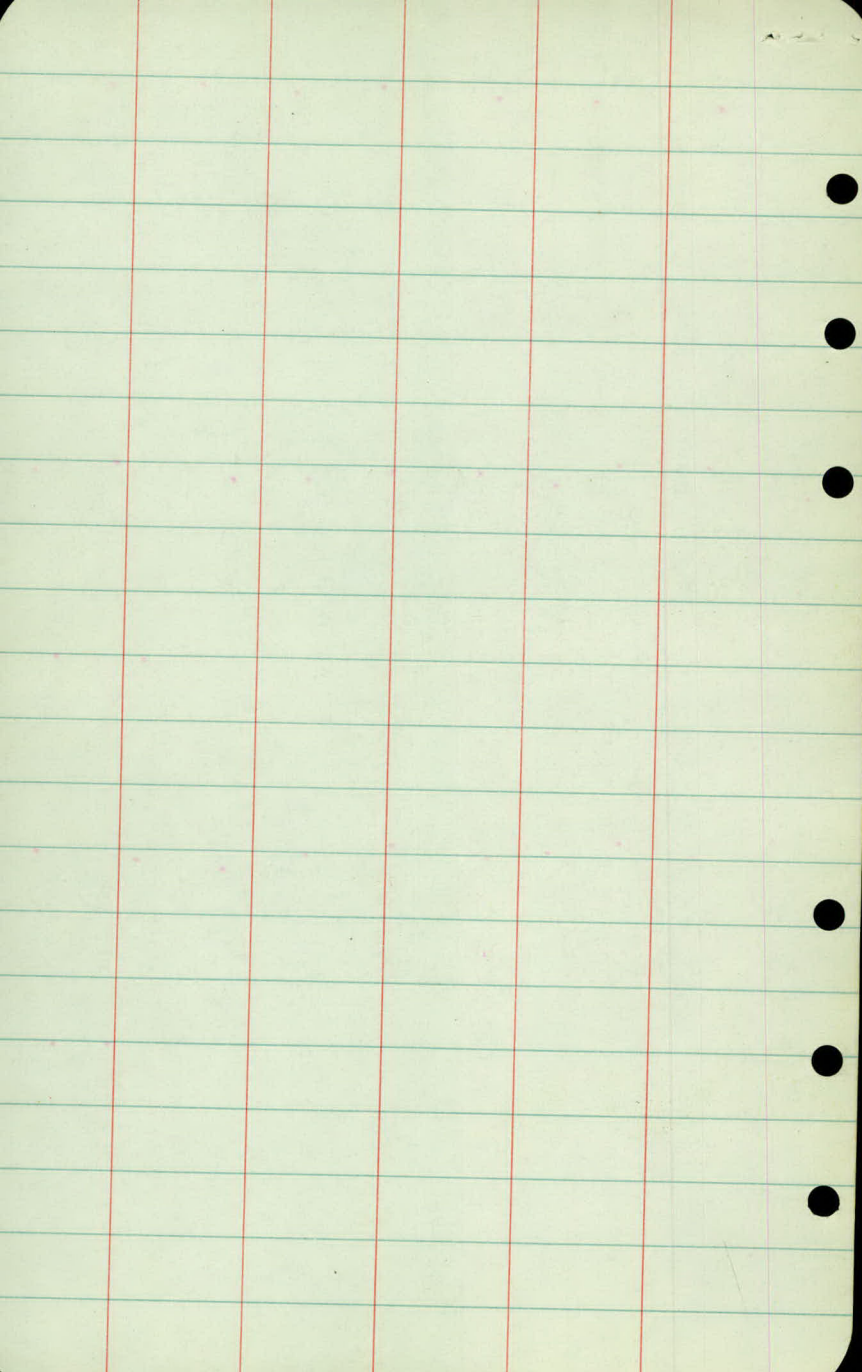
6.0

5.8

75

50

TOP HYD. S.W. COR LARP. & WHITE BEAR AVE.



KP
FS
RB
DD

19 JUNE 1961

WHITE BEAR AVE
LARP. TO SOO LINE TRACKS

ADDITIONAL X-SECTIONS

STA + T - ELEV

BM 9.15 976.24 967.09

23+84 = SIDEWALK RT.

24+44

✓

+61

✓

New Profile GL

+48 = 69.23

+54 = 69.10

+60 = 68.99

25+54 = ± 11.7 STEPS

19 JUNE 1961

LT

£

RT

TOP MONT. £ WHITE BEAR AVE. £ FROST AVE

71.0 - 70.8	70.9	70.9
5.2 5.41	5.36	5.34
33	40	50

71.1	70.6	68.9	70.1	70.4	70.4	72.1	71.8	71.7
5.1	5.6	7.3	6.1	5.8	5.8	4.21	4.4	4.5
60	33	24	15		16	16-17	30	50
					BOTTOM WALL	TOP 2.0 WALL		

71.7
4.5
60

71.4	71.2	68.8	69.8	70.2	70.1	72.03	72.03	72.2	72.0
4.8	5.0	7.4	6.4	6.0	6.1	4.21	4.21	4.0	4.2
60	34	24	16		16	16	17	32	60
					BOTTOM WALL	TOP 2.0 WALL			

68.7	68.71	72.23	72.37	72.42
7.5	7.53	4.01	3.87	3.82
	15.3	24.7	33	50
	TOP Lower STEP	TOP STEP		

STA + π - ELEV.

976.24

26+15.5 = $\frac{1}{2}$ STEPS OF Ho.

9.17

967.07

967.09

19 JUNE 1961

LT

£

RT.

87.4

73.19

8.8

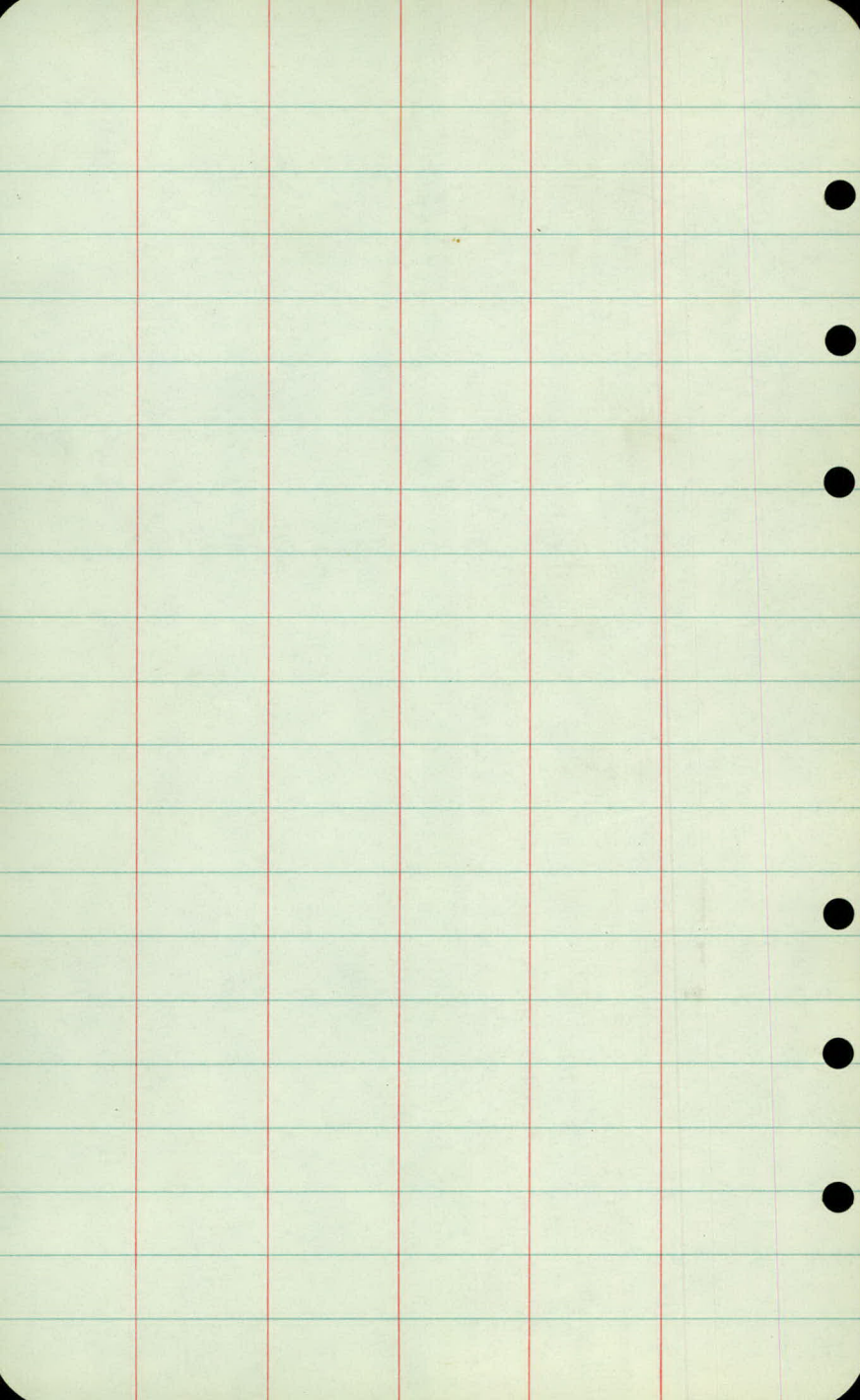
3.05

40.50

SWAT LOWER

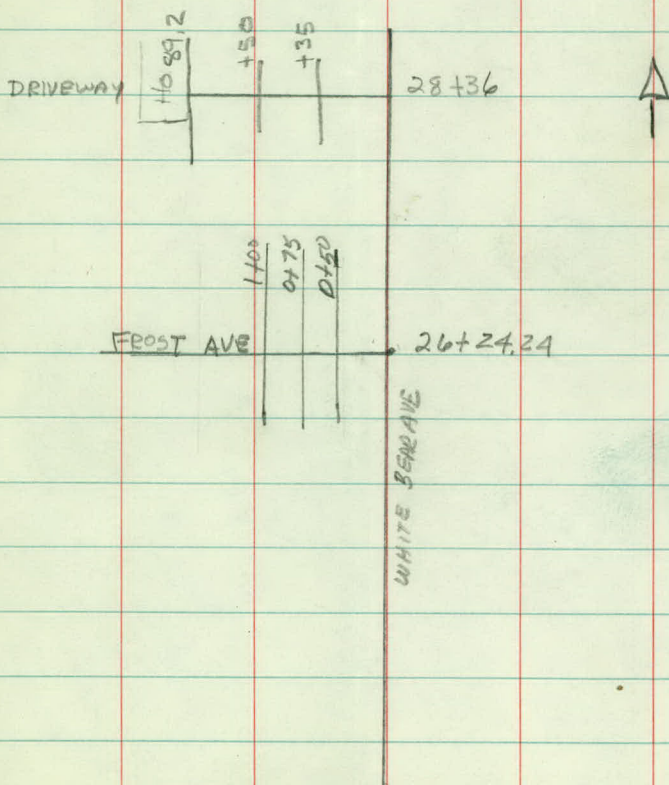
STEP

TOP MOUNT £ W.B. AVE C'FROST



19 JUNE 1961

ADDITIONAL X-SECTIONS



STA	+	π	-	ELEV
BM	2.87	969.96		967.09

0+50
 0+555 offset change by K.A.

✓

+70	MH	M.O RT	3.43	966.53
-----	----	--------	------	--------

+75

✓

+100

TP	5.99	971.03	4.92	965.04
----	------	--------	------	--------

19 JUNE 1961

LT

±

RT

TOP MONT ± W.B.AVE ± FROST

70.2	70.0	65.9	66.0	66.9	67.1	66.2	67.2	67.7
+0.2	0.0	4.1	4.0	3.1	2.9	3.8	2.8	2.3
60	50	39	29	20		27	48	60

70.4	70.0	65.2	65.3	66.6	66.9	66.5	66.3	68.2	69.3
+0.4	0.0	4.2	4.7	3.4	3.1	3.5	3.7	1.8	0.7
60	50	34	24	19		18	29	46	60

70.6	70.0	64.5	64.6	66.3	66.6	66.2	66.2	67.9	69.7
+0.6	0.0	5.5	5.4	3.7	3.4	3.8	3.8	2.1	0.3
60	51	33	27	20		18	28	45	60

TOP NAIL ± STA 27

STA + π - ELEV

971.03

$$28+36 = 0+00$$

0+12

+35

+47

✓

+68

+89.2 = GARAGE

3.88

967 .15

967.09

mont

19 JUNE 1961

LT

E

RT

10.6

8.3	8.9	9.7	10.4	10.3	11.2	10.8	11.8
50	35	15	10		12	23	50

6.5	7.1	7.8	7.8	10.1	10.4	10.7	8.4	8.4	8.8	9.6
50	35	16	10	10		10	10	19	35	50
			TOP	B.W.		BOTTOM	TOP			
			WALL			WALL	WALL			

60.93 x 26 *60.43* *60.33 x 26*

5.6	7.4	7.4	10.1	10.3	10.4	8.0	8.0	6.2
13	13	10	10		10	10	13	13
TOP	B.W.	TOP	B.W.		B.W.	TOP	B.W.	TOP
WALL		WALL				WALL		WALL

5.1 4.0 3.2
22 35 50

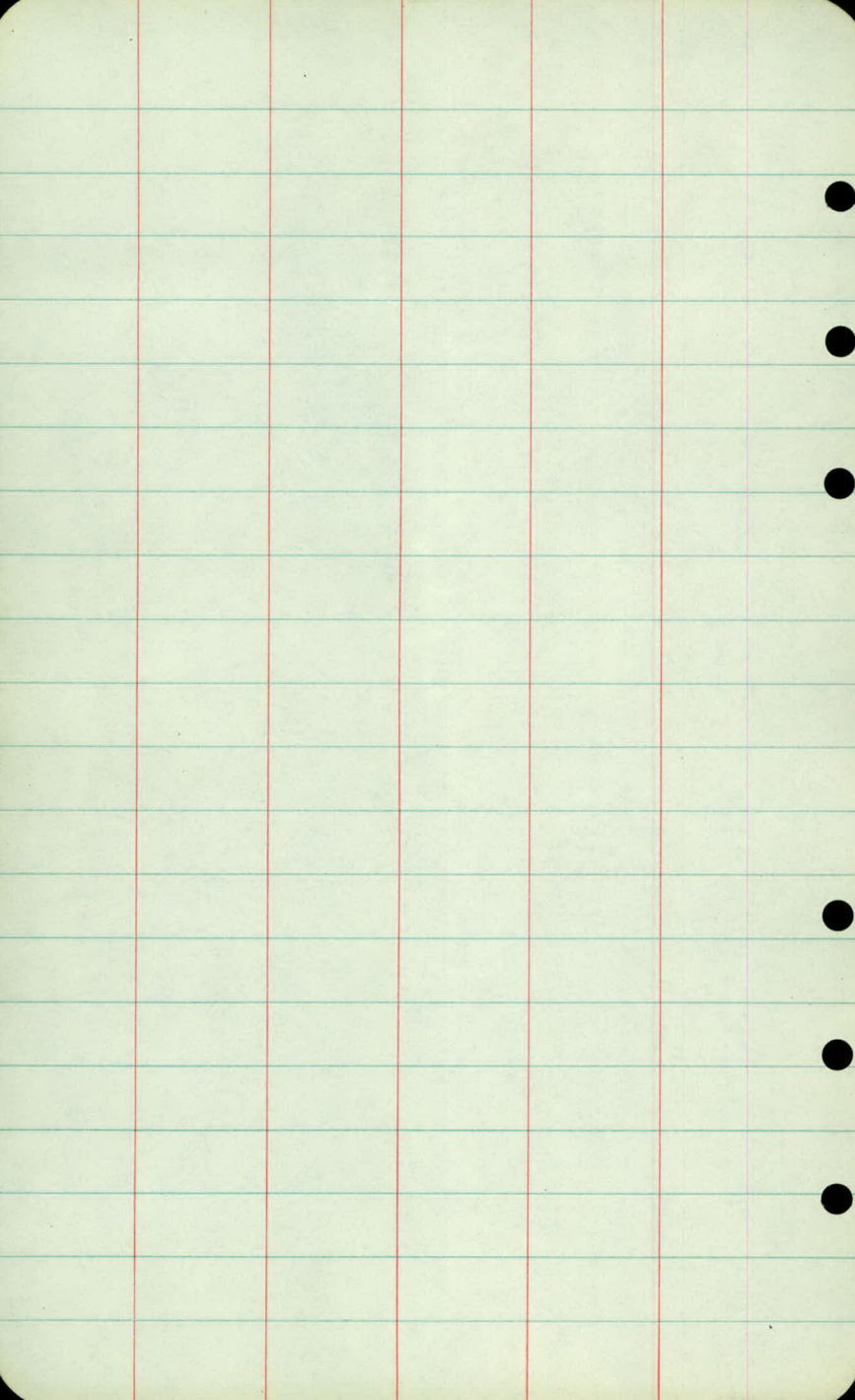
8.6 7.1 6.6
50 35 20

3.0	5.1	5.1	7.1	7.1	9.9	10.0	9.9	6.9	6.9	3.7	3.6
17	17	13	13	10	10		10	10	13	13	22
		TOP	B.W.	TOP	B.W.		B.W.	TOP	B.W.	TOP	
		WALL		WALL			WALL	WALL		WALL	

2.3
30
Fc

1.6
40

5.4
50



R6
JL
WM
LB

June 20, 1961
Clear, fair

1

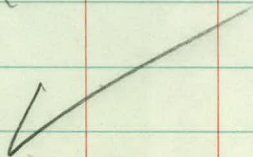
X- Sections

Frost Ave West

White Bear Ave = 0+00 to 1+60

Profile to sta 3+50

Rec'd. 6-20-61



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

BM	6.54	973.63		967.09
----	------	--------	--	--------

0+25

+55.5

+72			7.14	66.49
-----	--	--	------	-------

+75

1+00

+20

+39 east end 18"cm

27

E

Pt

2

Top Mont Frost Ave & W.B. Ave

	67.3	67.5	67.7	67.3	67.1	66.6	65.7	66.1	65.8
6.3	6.1	5.9	6.3	6.5	7.0	7.9	7.5	7.8	
51	46	33	12		16	39	40	50	
						B.C.	T.C.		
70.4	65.9	65.8	66.7	67.0	66.6	66.2	67.7	68.3	
3.2	7.7	7.8	6.9	6.6	7.0	7.4	5.9	5.3	✓
53	37	26	22	11	16	29	49	62	
T.Slope			BT			BT			

MH 17' Rt	70.4	65.1	65.1	66.5	66.7	66.8	66.6	66.3	68.9	69.4
	3.2	8.5	8.5	7.1	6.9	6.8	7.0	7.3	4.7	4.2
	53	34	25	20	13		16	29	56	72
Top Slope				BT				BT		

	70.4	67.9	64.4	64.6	66.2	66.3	66.6	66.2	66.1	67.7	69.8
	3.2	5.7	9.2	9.0	7.4	7.3	7.0	7.4	7.5	5.9	3.8
	54	46	33	27	21	14		15	27	43	62
F.S.					BT				BT		

	70.0	67.2	63.9	63.9	65.6	66.0	66.2	65.9	65.8	66.7	68.6
	3.6	6.4	9.7	9.7	8.0	7.6	7.4	7.7	7.8	6.9	5.0
	52	45	34	28	21	13		16	28	39	58
T.S.					BT				BT		

	69.2	67.4	64.2	63.31	65.2	65.6	65.8	65.5	65.9	67.06	68.15
	4.4	6.2	9.4	10.32	8.4	8.0	7.8	8.1	7.7	6.57	5.48
	55	47	36	29	21	12		14	28	44	54
T.S.				FL	BT				BT	Conc	Conc

15" CM
E. end

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

973.63

+42 East edge drive way ent.

+60

+64			10.85	62.78
-----	--	--	-------	-------

2+00

63.9

+50

61.9

3

59.5

+50

56.9

BM

6.54

67.09

BM

2.05

71.58

Note: Depth of BT at Sta 0+55.5 $\pm$ = 2 3/4"

June 20, 1961

3

	Lt		E		Rt				
	68.8	66.8	65.2	65.0	65.4	65.6	66.88	68.03	✓
	4.8	6.8	8.4	8.6	8.2	8.0	6.75	5.60	
	55	42	29	21	10	13	27	44	54
	T.S.			BT			BT	conc	conc
	68.8	65.0	64.9	64.6	65.0	65.1	65.1	65.2	
	4.8	8.6	8.7	9.0	8.6	8.5	8.5	8.4	
	54	40	29	21	10		11	27	
	T.S.								
							66.71	67.94	✓
							6.92	5.69	
							44	54	
							conc	conc	

FL 15" CM 28' Lt

9.7

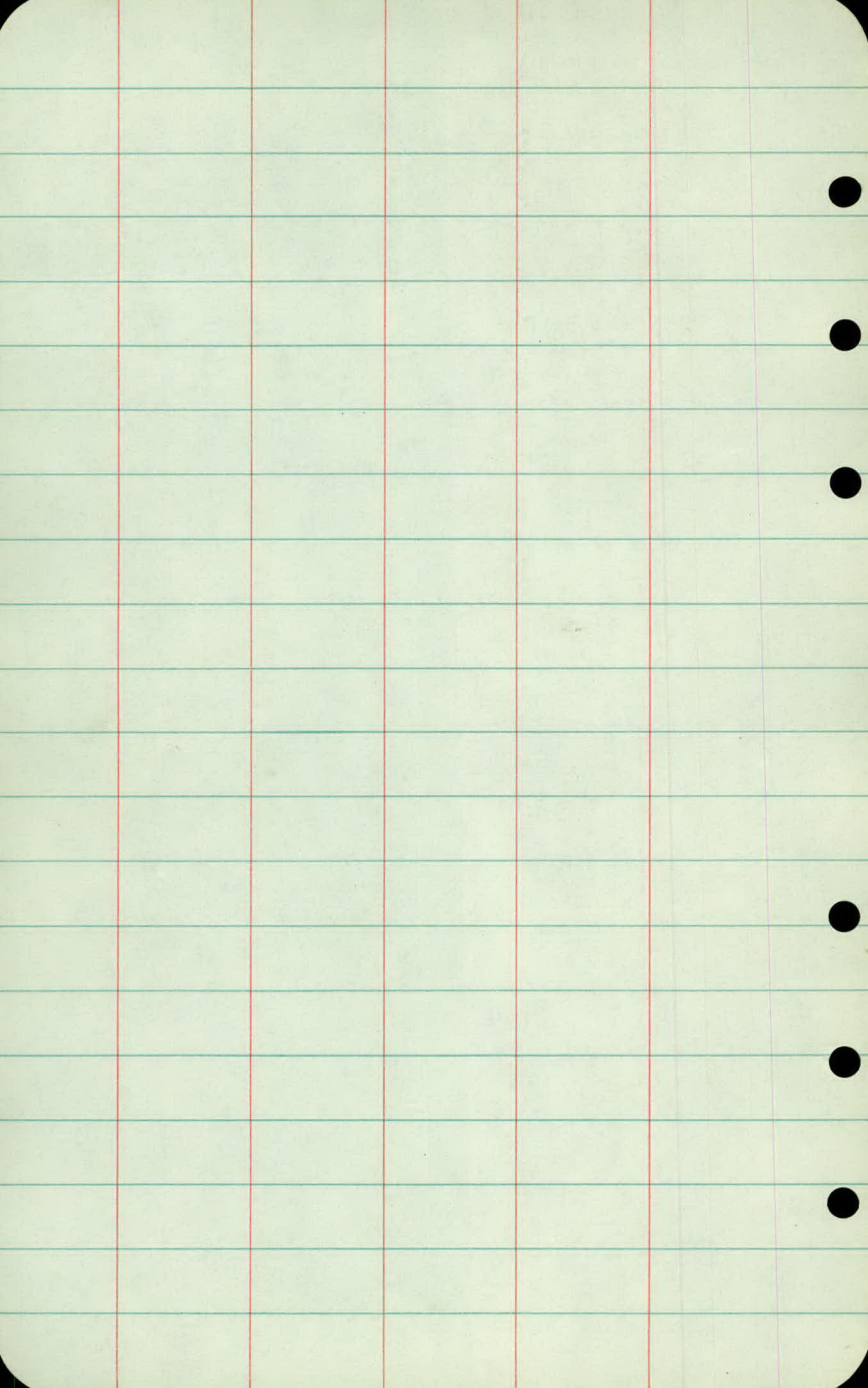
11.7

14.1

16.7

Top Mont Frost $\frac{1}{2}$ WB Ave

Top Hyd. SW Cor. Frost $\frac{1}{2}$ WB Ave



Width of Concrete
White Bear Ave.

Sta 6400 to RR Tracks

station

6+00

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

RG
JL
WM
LB

Conc.
L+

Q

June 15, 1961
Conc.
R+

2

13.03

10.77

13.30

10.72

13.10

10.78

13.05

10.95

13.02

10.98

13.03

10.98

12.95

11.16

12.96

11.26

12.91

11.18

12.88

11.23

12.83

11.35

12.60

11.40

12.45

11.47

12.42

11.58

12.49

11.50

12.20

11.84

12.29

11.72

12.34

11.71

Station

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

+50 RR tracks

June 15, 1961

Cont. Lt.

E

Cont. Rt.

3

12.29

11.75

12.10

11.92

12.01

11.80

12.07

11.95

12.09

12.08

10.15

10.15

9.93

10.00

10.03

9.93

9.98

9.95

9.82

10.05

9.91

9.95

9.98

10.14

10.05

10.05

10.30

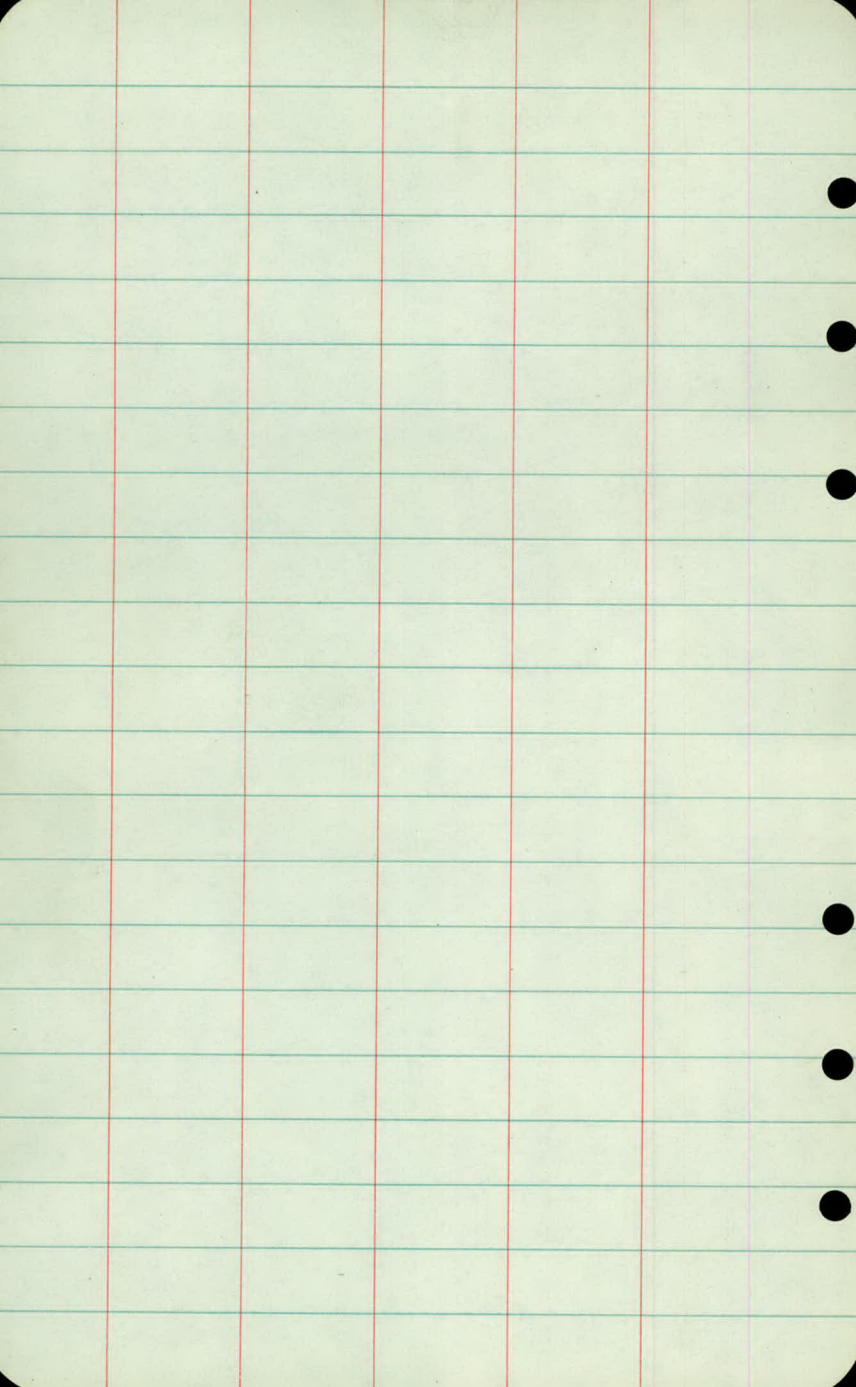
9.88

10.2

9.84

10.16

9.85



White Bear Ave

1

Traffic Count

May 16 PM

May 17 AM & PM

4 pages

Rec. 5/18/61

White Bear Ave No.

MAY 16, 1961
PM

Semi's

Bus's

Trucks

2:55

2:44

2:42

:58

3:09

:48

:49

:59

12

:52

3 21

13

:53

45

39

:57

:59

3:00

5

Total 5

:02

:04

:07

:08

:09

14

17

23

27

29

33

34

34

34

35

35

36

40

44

45

46

51

54

57

32 Total

Total

White Bear Ave So.

MAY 14, 1961
PM

Semi's

Bus's

Trucks

2

2:57

2:55

2:45

3:43

1:58

2:51

1:59

1:55

3 17
19

1:55

1:57

1:58

Total (2)

Total (5)

3:03

1:08

1:08

1:09

1:09

1:11

1:11

1:11

1:11

19

20

21

27

45

49

53

54

55

59

(25) Total

White Bear Ave South

Semi's

Bus's

Trucks

8 34

7 20

7 07

11

25

9 22

8 01

12

26

34

10

16

27

47

13

43

36

10 27

13

51

39

11 15

24

54

40

1 06

24

56

42

21

26

8 09

47

21

8 55

15

50

26

11 21

20

11 59

35

12 02

20

12 00

17

32

01

23

37

02

45

04

46

05

46

07

46

54

58

14

59

15

9 09

21

12

21

13

23

16

38

23

39

26

47

26

47

28

47

37

49

48

00

54

03

59

03

10 35

05

37

05

37

18

46

20

46

24

52

31

54

32

57

33

57

40

57

41

11 02

41

03

43

13

24

46

43

White Bear Ave North

May 17, 1961

Rain

3

Semi's

Bus's

Trucks

8 15

9 35

43

11 06

17

25

26

26

38

41

12 25

28

12

7 19

7:30

31

41

43

45

11 01

30

51

9

7 01

08

34

40

40

40

41

43

44

46

46

52

52

8 00

01

06

12

26

26

30

30

32

37

39

45

50

53

54

57

9 15

22

22

24

33

45

45

52

57

10 21

26

34

42

45

45

48

55

47

11

11

12

15

15

17

17

17

27

31

32

35

43

45

46

47

56

12 03

09

09

09

20

26

34

37

40

44

44

1 01

08

09

10

11

17

17

20

22

22

23

27

30

34

36

37

38

41

44

49

White Bear Ave South

Semi's

2 13

17

38

3 44

3 56

4 21

6

+ 11

17

Total

17

Bus's

2 47

54

55

56

3 15

4 16

6

+ 13

19

Total

19

Trucks

1 50

4 29

56

32

58

37

2 00

40

7 00

46

01

05

13

14

17

21

23

27

27

31

32

40

40

43

45

55

56

3 05

11

14

20

23

23

24

25

29

35

47

51

54

54

56

4 02

23

27

40

45

+ 89

134

Total

134

Semi's Buss Trucks

2 29
3:08
15
3 54

4
+12
16

Total
16

2 26

34
52
3:06
07
09
39
45
4 25

9
+9
Total
18

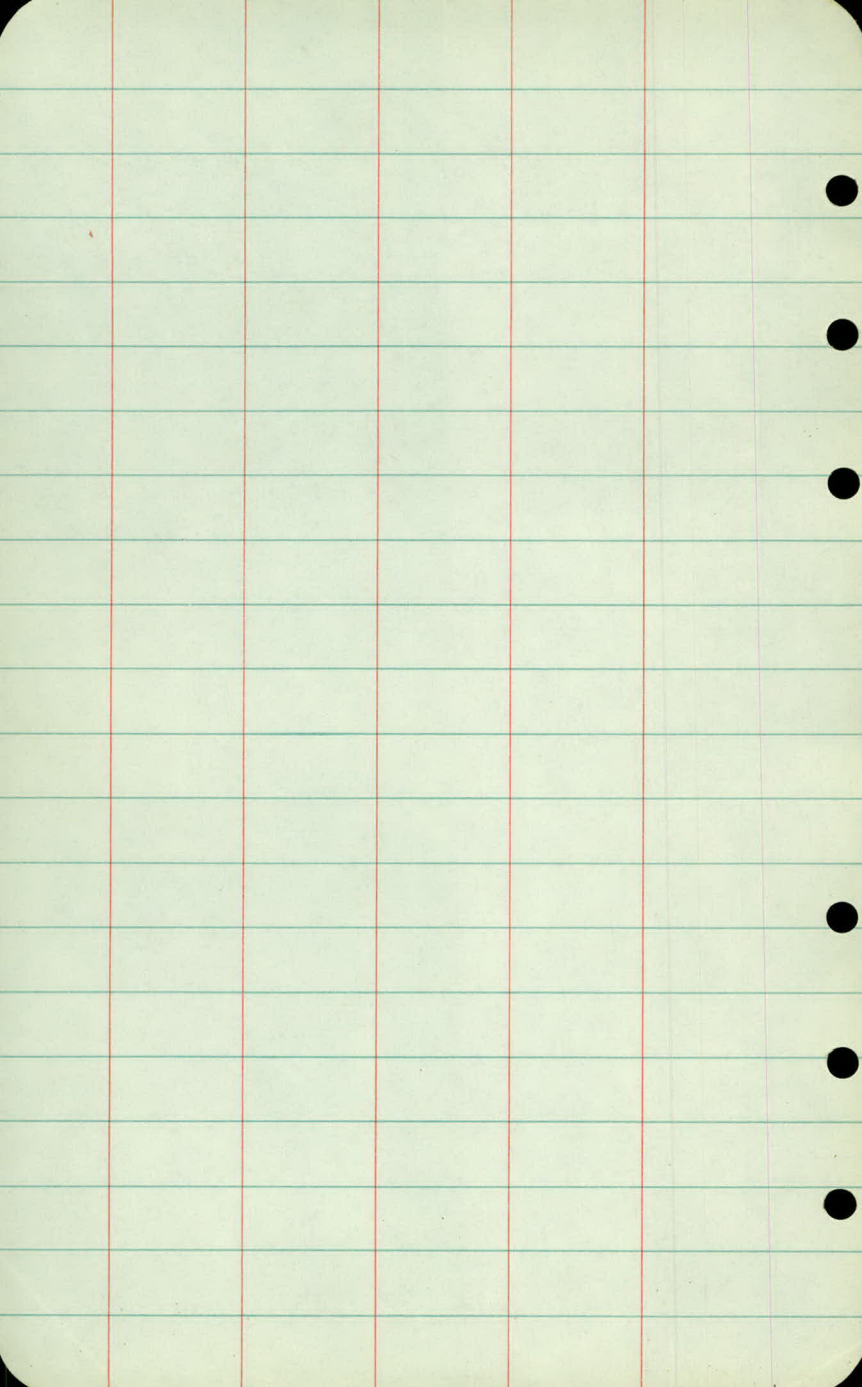
1 45
45
48
49
53
55
56
2:00
03
06
12
17
17
24
31
34
37
38
38
39
39
40
40
41
43
45
46
3:02
08
13
15
23
30
32
35
39
40
45

48
50

37

3 53
54
56
59
4:00
:01
02
04
08
08
12
12
14
18
25
32
35
47
57
503

59
+96
155
Total
155



No. St. Paul Road

9

Traffic Count

May 16 PM

May 17 AM & PM

3 pages

No St Paul Rd No. 5/16/61
N

Semis
3:21

Bus
2:56
3:18
3:19
4:2

Trucks

2:45

2:46

2:52

2:53

2:55

3:06

3:08

3:09

3:11

3:11

3:16

3:21

3:22

3:22

3:25

3:30

3:41

3:53

18

5

No. St. Paul Rd So. May 16, 1961

2

Semi's

2:40

3:50

2

Bus's

3:09

3:13

2

Trucks

2:51

2:52

2:55

3:07

3:09

3:17

3:19

3:27

3:35

3:37

3:38

3:40

3:41

3:43

3:45

3:49

3:55

3:56

18

No. St. Paul Rd North 5/17/61

Semi's

Bus's

Trucks

1:50
442

712
735

7 13

1 36

813

42

37

14

8 04

45

15

04

55

40

16

2:05

44

30

45

33

08

902

36

10

249

37

255

41

15

315

52

33

17

52

35

41

909

44

49

920

51

442

926

56

938

304

44

17

44

35

1018

35

1020

54

26

55

58

411

1111

19

14

20

22

24

35

NOON

1202

1222

33

40

42

55

1 00

00

01

02

02

17

20

31

33

65

No. St. Paul Rd

SouthMay 17, 1961
Rain

3

Semi's

Bus's

Trucks

11 39

7 06

23

50

51

8 03

09

24

25

25

25

8 45

9 47

3 05

06

44

15

+ 2

11

8 06

10

33

36

40

43

43

53

9 14

9 21

42

9 50

9 53

56

56

10 07

10 15

10 18

10 23

40

41

47

51

11 01

11 03

06

21

33

50

12 20

40

1 03

09

17

21

21

24

31

32

32

36

43

48

50

50

2 00

04

05

09

32

41

42

44

47

50

3 08

08

23

32

35

41

48

57

4 00

08

14

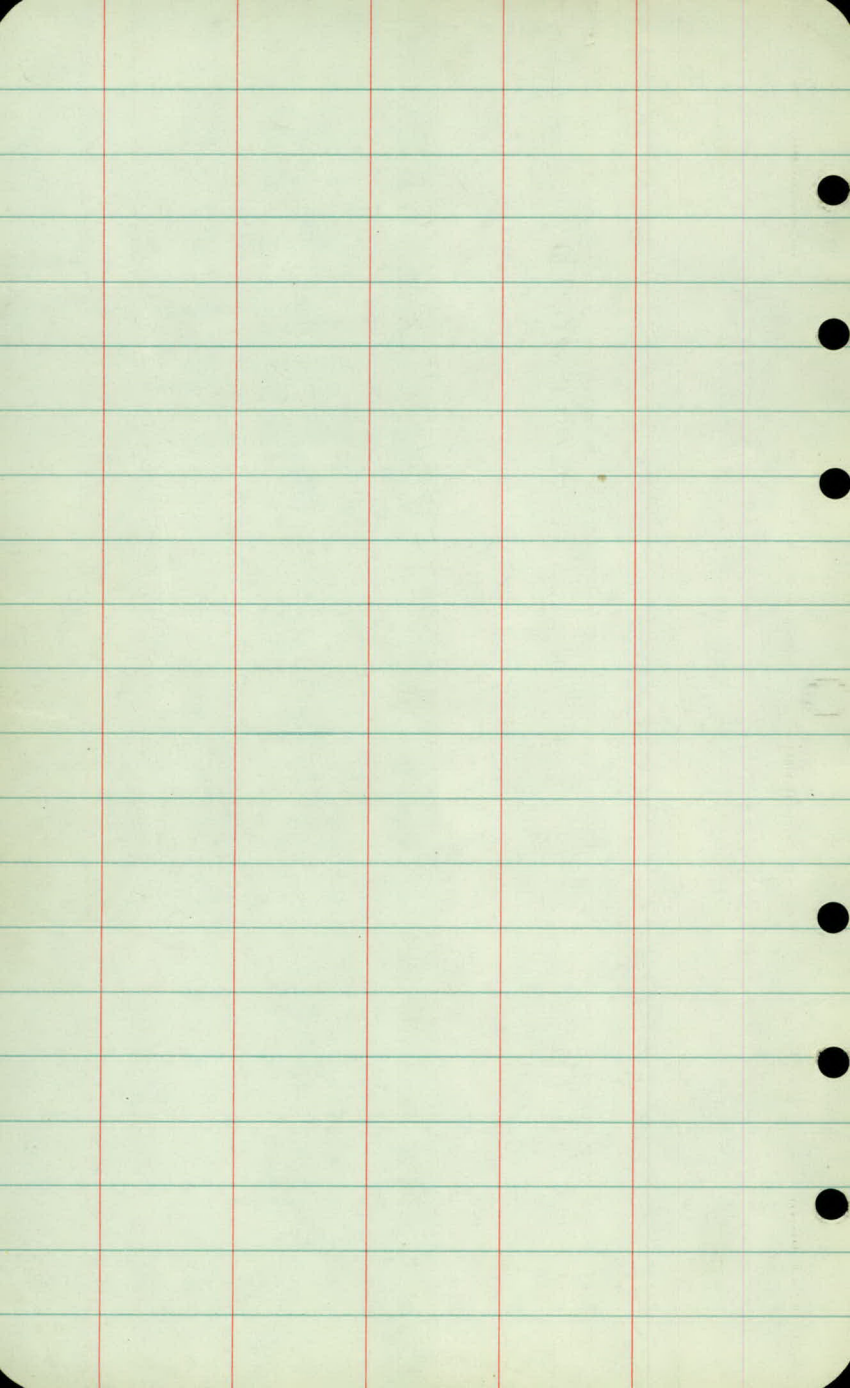
20

430

49

56

69



KP
FS
RB
JD

1900 JUNE 1901

WHITE BEAR AVE.

BLACKTOP WIDTH

LT

~~1~~

RT

5

17 16

4

17 34

3

13 28

2

17 17

1

25 19

0+00

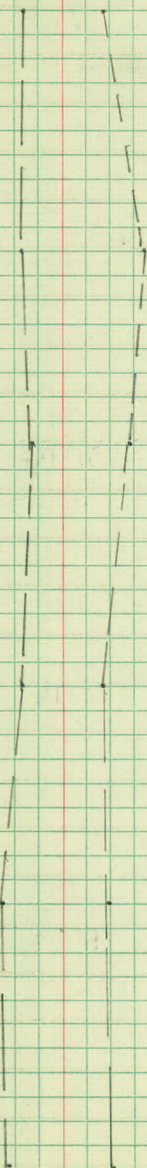
22 22

19 JUNE 1961

$\neq$

LT

RT



11

LT

~~E~~

RT

15 15

10

16 15

9

17 16

8

16 16

7

17 14

6

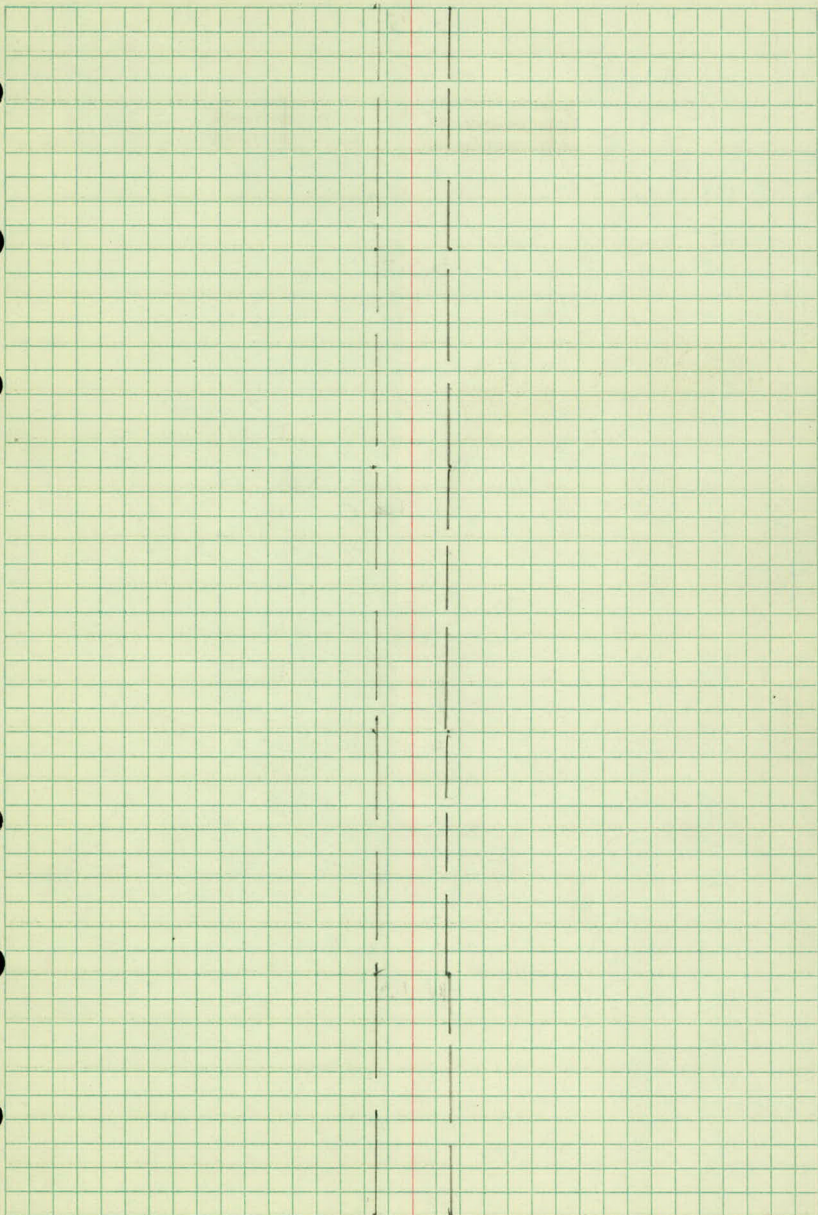
16 14

LT

~~E~~

19 JUNE 1961

RT



LT

£

RT

16

16 15

15

16 16

14

16 16

13

16 15

12

16 15

19 JUNE 1961

LT

£

RT

22

LT

~~E~~
15 15

RT

21

15 15

20

15 14

19

16 15

18

16 15

17

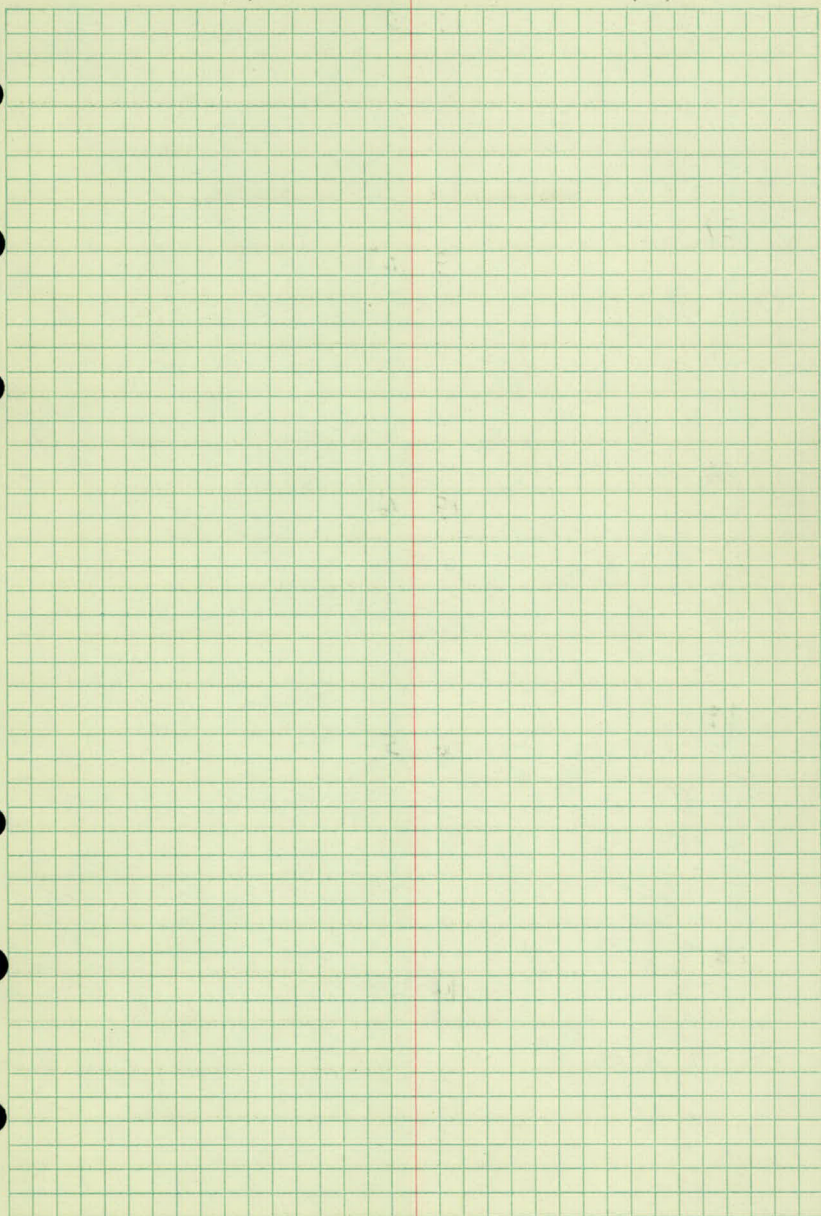
16 15

19 JUNE 1961

LT

£

RT



28

LT

~~E~~

RT

19 16

27

19 16

26

19 16

25

16 15

24

16 15

23

15 16

19 JUNE 1961

LT

~~E~~

RT

34

LT

E

RT

20 19

33

20 20

32

19 19

31

20 18

30

19 17

29

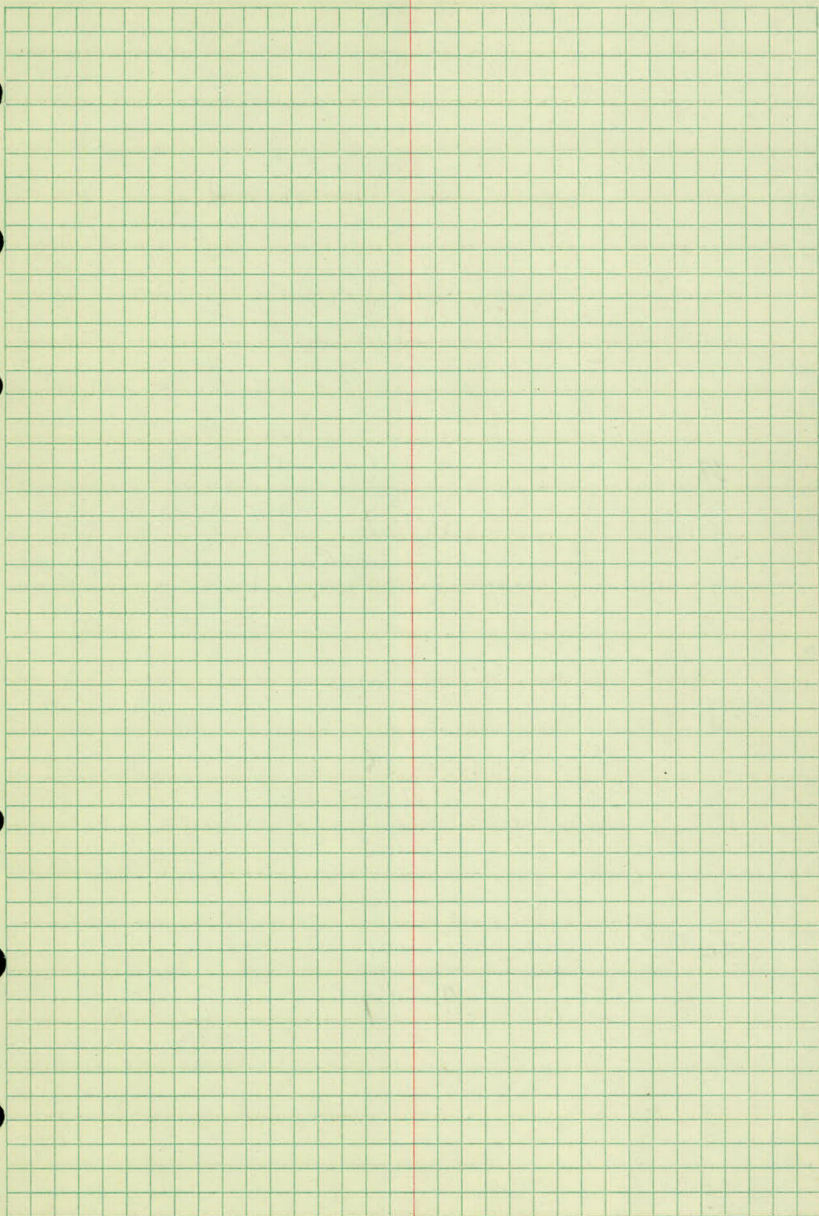
19 17

19 JUNE 1961

LT

~~E~~

RT



LT

#

RT

38

15 17

37

16 20

36

20 19

35

20

19

19 JUNE 1961

LT

~~4~~

RT

LT

\$

RT

25+54 = £ STEPS

LT

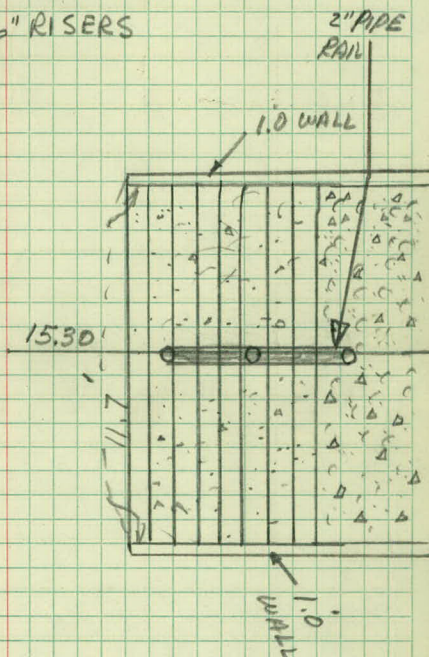
≠

RT

A

DETAIL VIEW
STEPS (CONC)

8 STEPS 6" RISERS



LT

£

Rt

$$26 + 15.5 = \text{£ STEPS}$$

Lt

~~E~~

Rt

A

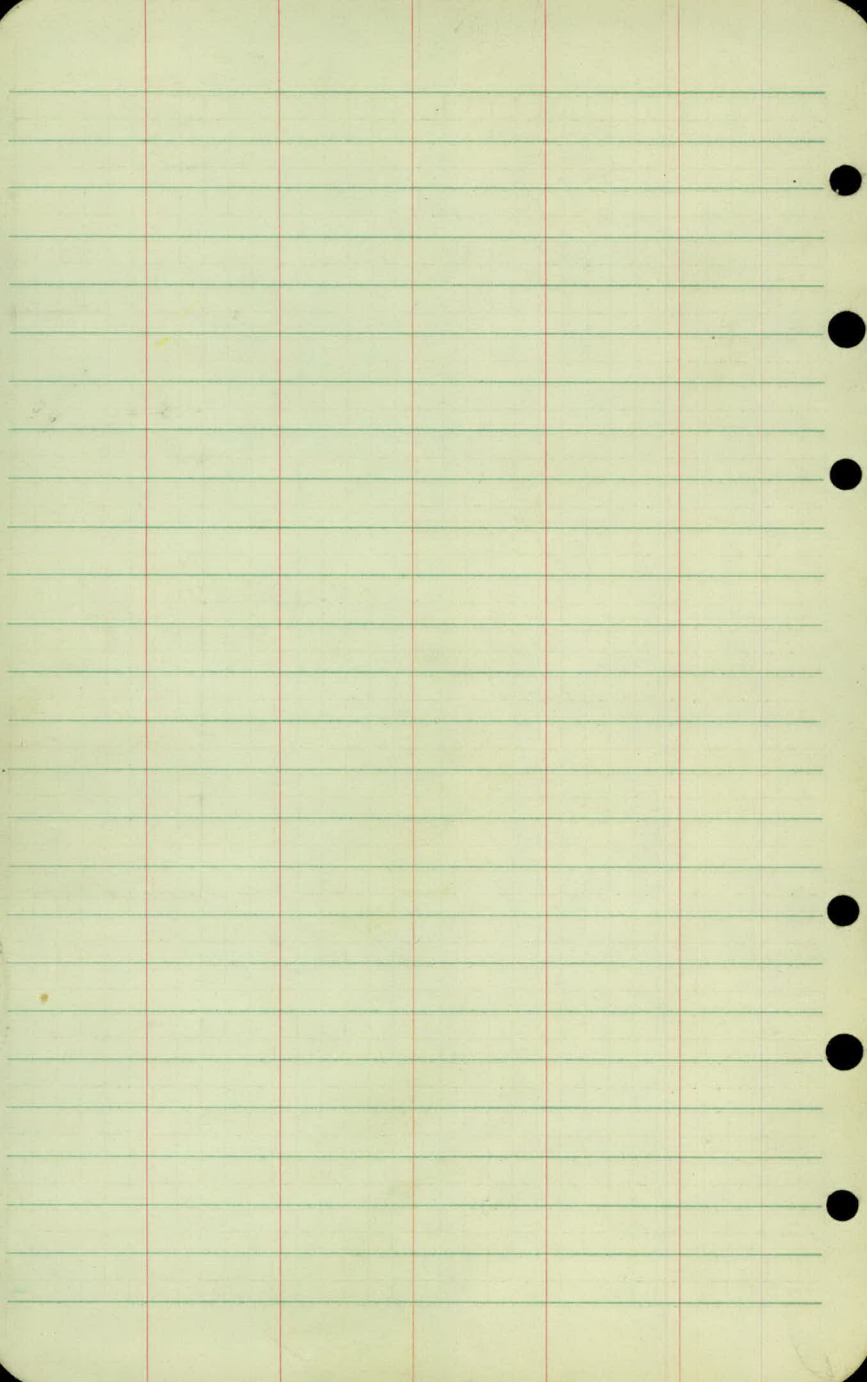
4.05

4.0

12.5

40.50

BUILDING LINE



August 18, 1961

1

W. B. A.

M. H. Elev.

2 pages

Sta	+	π	-	Elev.
BM	2.43	944.34		941.91

0-03			4.76	939.58
				12.8
				26.78

BM	1.03	855.58		954.55
----	------	--------	--	--------

3+75			7.98	847.60
------	--	--	------	--------

2+38			11.81	843.77
------	--	--	-------	--------

A+25			7.71	947.82
------	--	--	------	--------

August 18, 1961

2

Top MH 23' Rt

Top to Invert North 12.8 926.78

" " " South 12.7

" " " West 12.2

" " " East

" " " East 7.65

" " " Southeast 5.77

Top to New Invert North 5.06

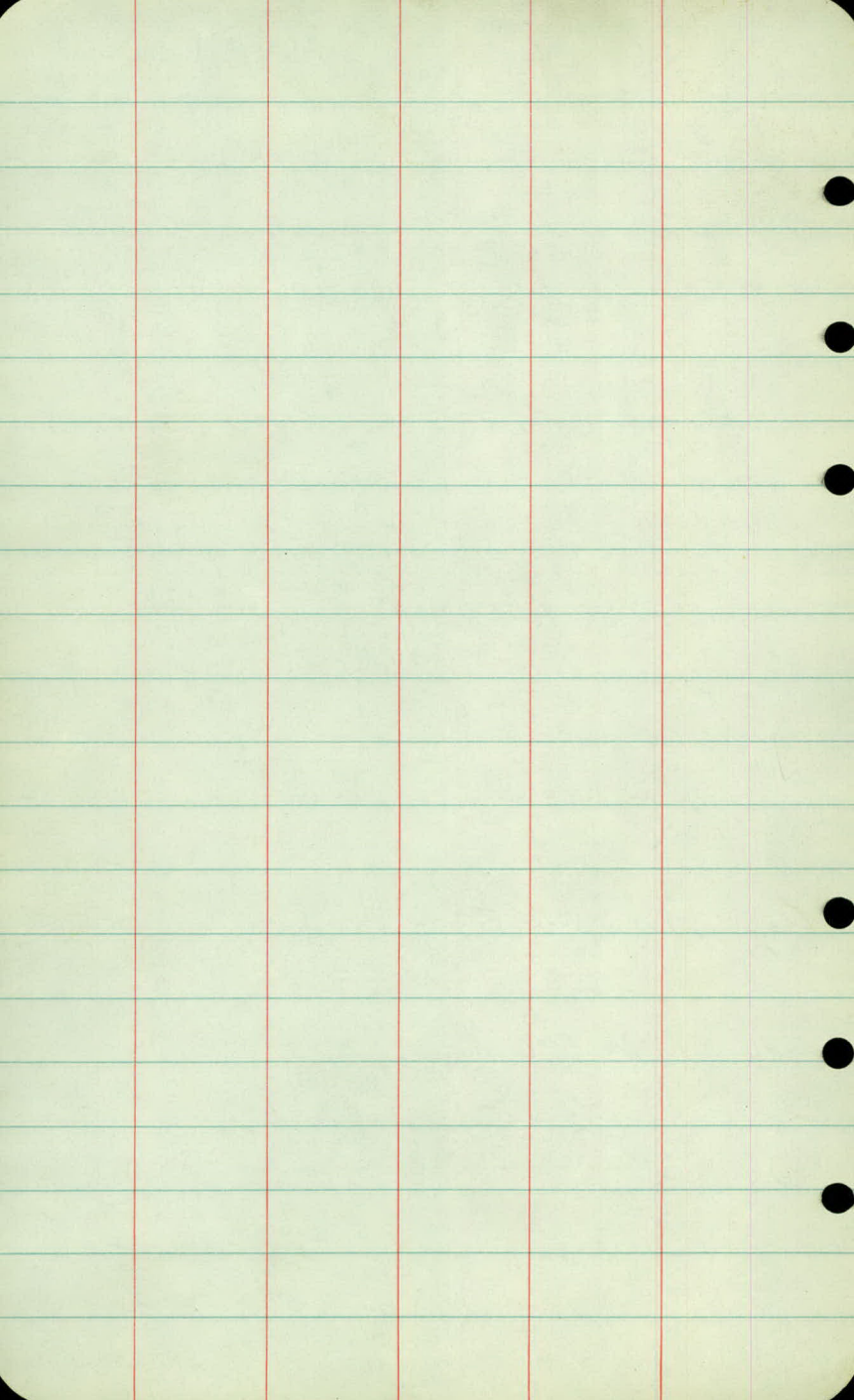
Top MH 57' Rt

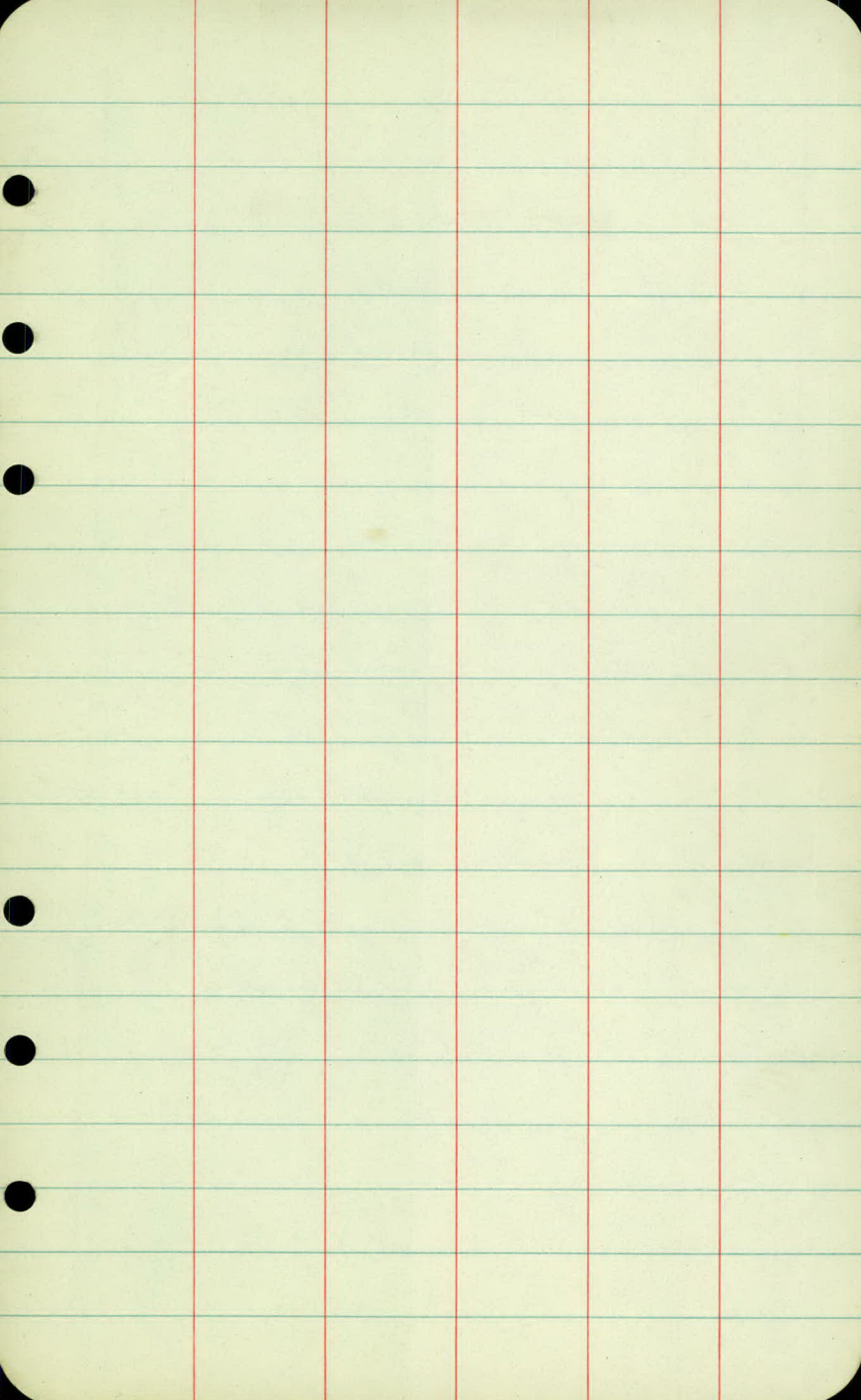
Top MH 20' Rt

Top MH 20' Rt

Tell Sull to give Call

" " to have Wilke Call





4.30

4.22

4.31 Fe

4.74 Fe West

4.89 Fe East

49.

250

0400

4.31

4.42

+25

4.47

+51

4.52 ✓

+76

463

4.57

$\begin{array}{r} 10 \\ 250 \overline{) 1.5} \end{array}$

4.31

4.34

4.45

4.52

4.59

4.63

1
White Bear Ave

Top Class 5

Top Class 5.178 1.17

Sta PG PGR EGR Elev EGR
BM 5.41 947.32 (941.91)

0+50

1 10.3 6.97 7.75 8.14
1.178

+50 41.22 6.10 6.88 7.27

2 42.22 5.0 5.78 6.16
2.87

+50 43.50 3.82 4.60 4.99
1.78

3 44.86 2.46 3.24 3.63
1.17
78

+50 46.22 1.10 1.88 2.27
1.1

TP 9.45 954.92 1.85 945.47 9.87
48.70

4 47.58 7.34 8.12 8.51
1.17

BM 0.29 954.43 954.55

+50 48.94

August 25, 1961 2

Top Hyd SW. Cor Larpenteur + W.B.A.

4.97 ✓
6.97

✓

✓

4.10 ✓
6.10

5,

5.78

✓

✓

✓

✓

✓

✓

✓

✓

✓

Robert Hall

Sta	PG	PGK	^{.78} -	Elev	117
	0.29	954.84		954.55	

WBL 1+40	52.67	2.17			
-------------	-------	------	--	--	--

4+50	48.97	5.87	6.65		7.04
------	-------	------	------	--	------

5	50.27	4.57	5.35		5.74
---	-------	------	------	--	------

+50	50.81	4.03	4.81		5.20
-----	-------	------	------	--	------

MH	945.00	9.84			
----	--------	------	--	--	--

BM	2.05	(943.88)			941.83
----	------	----------	--	--	--------

0+50	39.76	4.12 ₇₅	4.90		5.29
------	-------	--------------------	------	--	------

1+50	41.22	2.66 ₁₁₇			3.03
	42.22				2.83

$$\begin{array}{r}
 40 \\
 1712 = 51.54 \\
 28 \quad 1.13 \\
 \hline
 52.67
 \end{array}$$

$$\begin{array}{r}
 28 \\
 4.84 \\
 \hline
 112 \\
 1120 \\
 \hline
 11312
 \end{array}$$

✓

✓

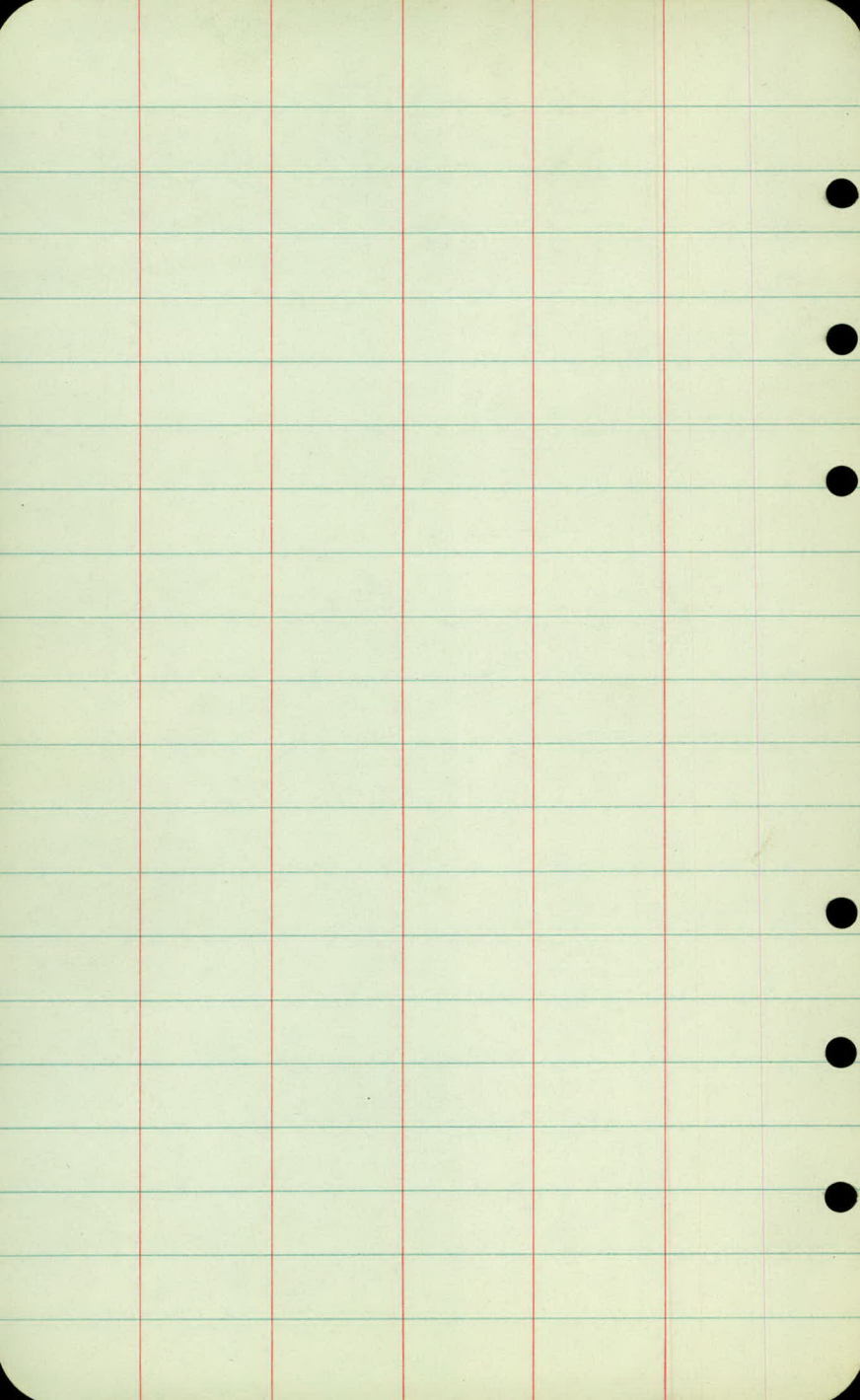
✓

✓

✓

✓

1.83
0.20



2.9
C20

Gr

29C
C2.0

5.7
Gr

6.5
Gr

7.3
Gr

6.7
C1.0

6.1
C2.0
Grade

Sta	PG	PCR	SWGR	-0.20	Top Footing + 33
BM	0.26	973.76			973.50
25	70.06				
			1.63	72.13	971.56
(28)			12.28	61.58	5.48
+47.87	69.23	✓ 4.53			4.66 #2
					4.90
+60	68.99	✓ 4.77			
+73	68.72				
+75	68.68	✓ 5.08			5.21
26	68.11	✓ 5.65			5.78
+24	67.52	6.24			6.37
+25	67.50				
	66.90				
+50	66.84	✓ 6.92			7.05
	66.78				
+75	66.13	✓ 7.63			7.76
27	65.36	✓ 8.40			8.53
	83				
	53				

Top Hyd 100' Rt sta 27+25

5.48
F0.82

5.43
F0.53

5.14
C0.07

5.40
C0.38

04 680 ~ 6.35
+24 = 67.52 C0.02
1.5
20

1.023
20 1.50
40
100

26+78 = 6604

26+83 = 65.88

16 ~ 5 6.45
.03/ft C0.60

+73 68.72

7.87
F0.11

+83 68.50

.22
10 .022

8.75
F0.22

Sta PG PGR SWCR

⁵³
-0.20
₁₃

Top Footing
+ 33 GR

97376

27+25 64.53 9.23 9.36

+50 63.65[✓] 10.11₁₃ 9.91 10.24

+75 62.77[✓] 10.99₁₃ 10.79 11.12

28 61.89[✓] 11.87 11.67 12.00

+25 61.00[✓] 12.76 12.56

1335
12.89 88
-46
-353
-323
-0.073
1059
1412
14179

+50 60.12[✓] 3.66

+75 59.24[✓]

29 58.36₁₄[✓]

+0433 58.22[✓]

9.06
F0.30

10.68
F0.44

11.30
F0.18

12.05
F0.05

13.35
F0.46

$$\begin{array}{r} 14 \\ 20 \\ \hline 980 \end{array}$$

$$\begin{array}{r} 16.91 \\ \hline 996.91 \end{array}$$

RG
JL
WM
RB
LB

Jan 10, 1961

67

Bench level recheck

White Bear Ave

Larp Ave (0+00) to R.R. Tracks (38+55)

pages 67-69

Sta	+	π	-	Elev	
BM ₁	7.01	948.92			941.91
TBM ₁	11.74	960.65	0.01	948.91	948.92
TP ₁	9.85	969.24	1.26	959.39	
TBM ₂			7.70	961.54	961.40
TBM ₃	7.65	976.79	0.10	969.14	969.05
TP ₂	4.88	980.75	0.92	975.87	✓
TBM ₄			4.73	976.02	975.95
TP ₃	4.36	975.92	9.19	971.56	✓
TBM ₅			6.20	969.72	969.71
BM ₂			4.34	971.58	971.56
BM ₃	7.02	974.12	8.82	967.10	967.07
BM ₄			0.60	973.52	973.50
TBM ₆	0.90	962.15	12.87	961.25	961.25
TBM ₇	0.15	953.24	9.06	953.09	953.09
TP ₄	1.05	942.39	11.90	941.34	941.34
TP ₅	0.60	932.23	10.76	931.63	931.63
BM ₅			9.42	922.81	922.81

7.01
0.01

Jan 10, 1961
Jan 11, 1961

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Top Hyd W.B. Ave + Larp

Nail & Sta 4+41.65

rock

SE cor. Sidewalk Ho#1773 W.B. Ave

SE cor. lower step Ho#1805 W.B. Ave

Top. North end culv. Lt Sta 17+50

Nail & Sta 19+00

Top Culv. Lt Sta 22+70

Nail & Sta 25+00

Top Hyd SW Cor Frost + W.B. Ave.

Top Mont. S.W. cor. Frost + W.B. Ave.

Top Hyd 100' Rt Sta 27+25

Top SE cor. top step Ho#1959 W.B. Ave

Top NE cor lower step Ho#1975 W.B. Ave

Top S.E. cor. conc. Ent. slab Lt. Sta 33+50

Nail & Sta 36+00

Top NW cor. conc. Foundation Control Box SE cor

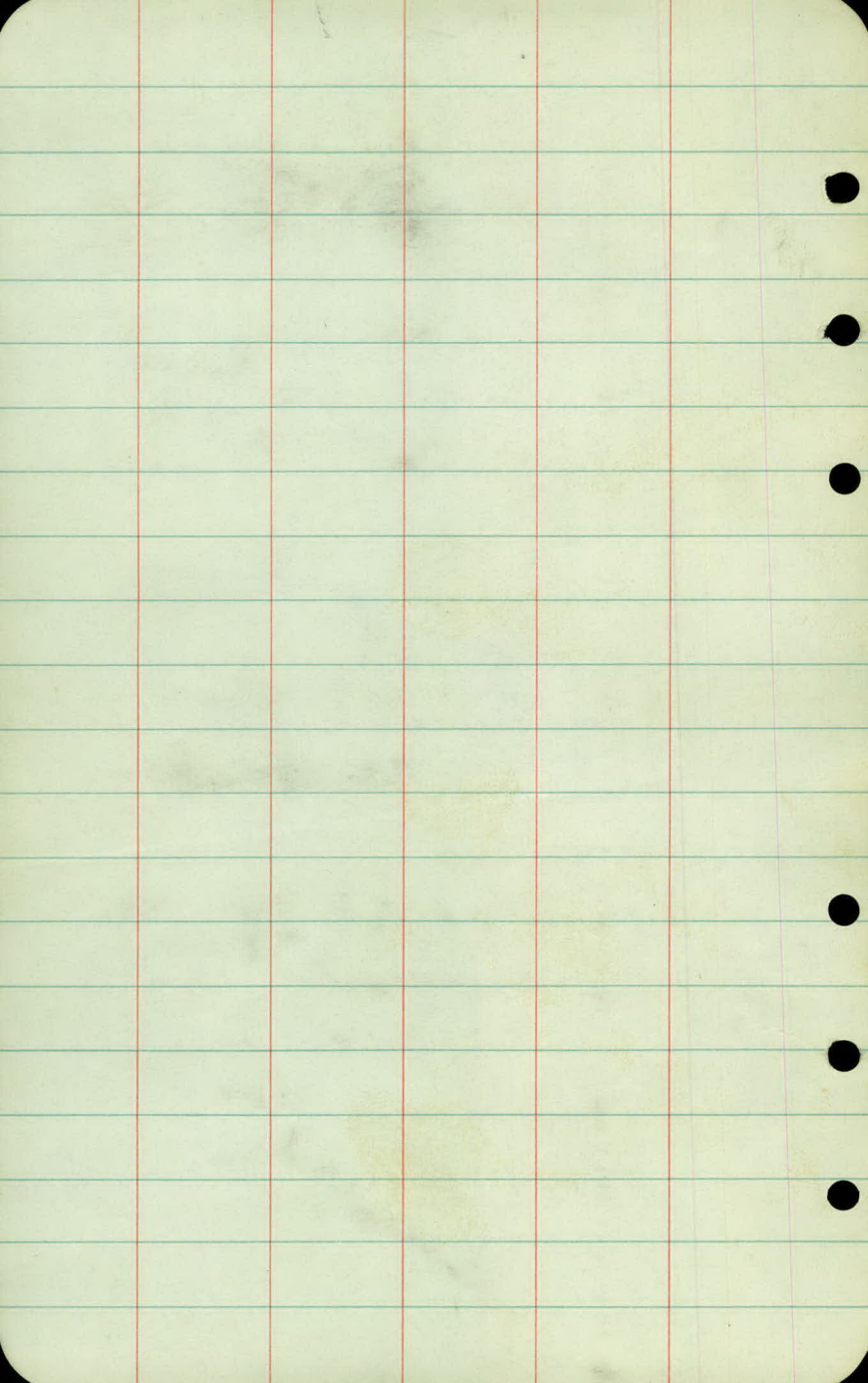
RR Tracks

Sta	+	π	-	Elev	
BM ₅	9.92	932.73		922.81	922.81
TP ₅	10.74	942.37	1.10	931.63	931.63
TP ₄	12.23	953.58	1.02	941.35	941.35
TBM ₇	11.72	964.81	0.49	953.09	953.09
TBM ₆	12.77	974.04	3.54	961.27	961.25
BM ₄	2.08	975.59	0.53	973.51	973.52
BM ₂			4.05	971.54	971.58
BM ₃	12.00	979.07	8.52	967.07	967.10
TBM ₄	0.89	976.87	3.09	975.98	976.02
TBM ₃	0.56	969.63 ^{.61}	7.82	969.02 ^{.05}	969.10
TBM ₂	1.50	962.97 ^{.95}	8.16	961.47 ^{.45}	961.34
TP	0.44	956.54 ^{.52}	12.87	950.10 ^{.08}	
BM ₁			8.64	941.90 ^{.88}	941.91

Jan 11, 1961

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Nail E Sta 5+00



27 APRIL 1961

Bench Levels

White Bear Ave

Larp to Frost

Sta	+	π	-	Elev
B.M.	8.93	975.99		967.06
T.B.M.	3.23	979.18	0.04	975.95
T.P.	2.20	968.53	12.85	966.33
		964.16		
B.M.	2.73	963.80	7.10	961.43
		953.15		952.69
T.P.	0.46	952.79	11.47	952.33
		950.92		949.20
T.B.M.	1.72	950.56	3.95	948.84
				942.31
			8.61	941.95
				941.98
	7.56	949.51		941.95
T.B.M.	11.96	960.79	0.68	948.83
				948.77
T.P.	5.66	965.66	.79	960.00
B.M.	7.92	969.34	4.24	961.42
				961.48
check				969.09
shot			0.25	969.04
				969.05
T.B.M.	11.11	979.50	0.95	968.39
T.B.M.	2.15	978.13	3.52	975.98
check				
shot			8.42	969.71
B.M.			11.01	967.12
				967.06

$$\begin{array}{r} 7.56 \\ 968.48 \\ \hline 969.04 \end{array}$$

Description

Top Mont White Bear & Frost

Top P.K. Nail & Sta 19+00

Top 15" GMC 24' Lt Sta 13+03 $\pm$

S.E. Cor. Sidewalk Ho[#] 1773 (Yellow Ho.)

Top P.K. Nail & Sta 6+00

Top P.K. Nail & Sta 4+61.65

Top Hyd S. W. Cor Larp & White Bear

Top Hyd S. W. Cor. Larp & White Bear

Top P.K. Nail & Sta 4+61.65

Top S. Rim M. H. 18' Rt St 10+27 $\pm$

S.E. Cor Sidewalk Ho[#] 1773 (Yellow Ho.)

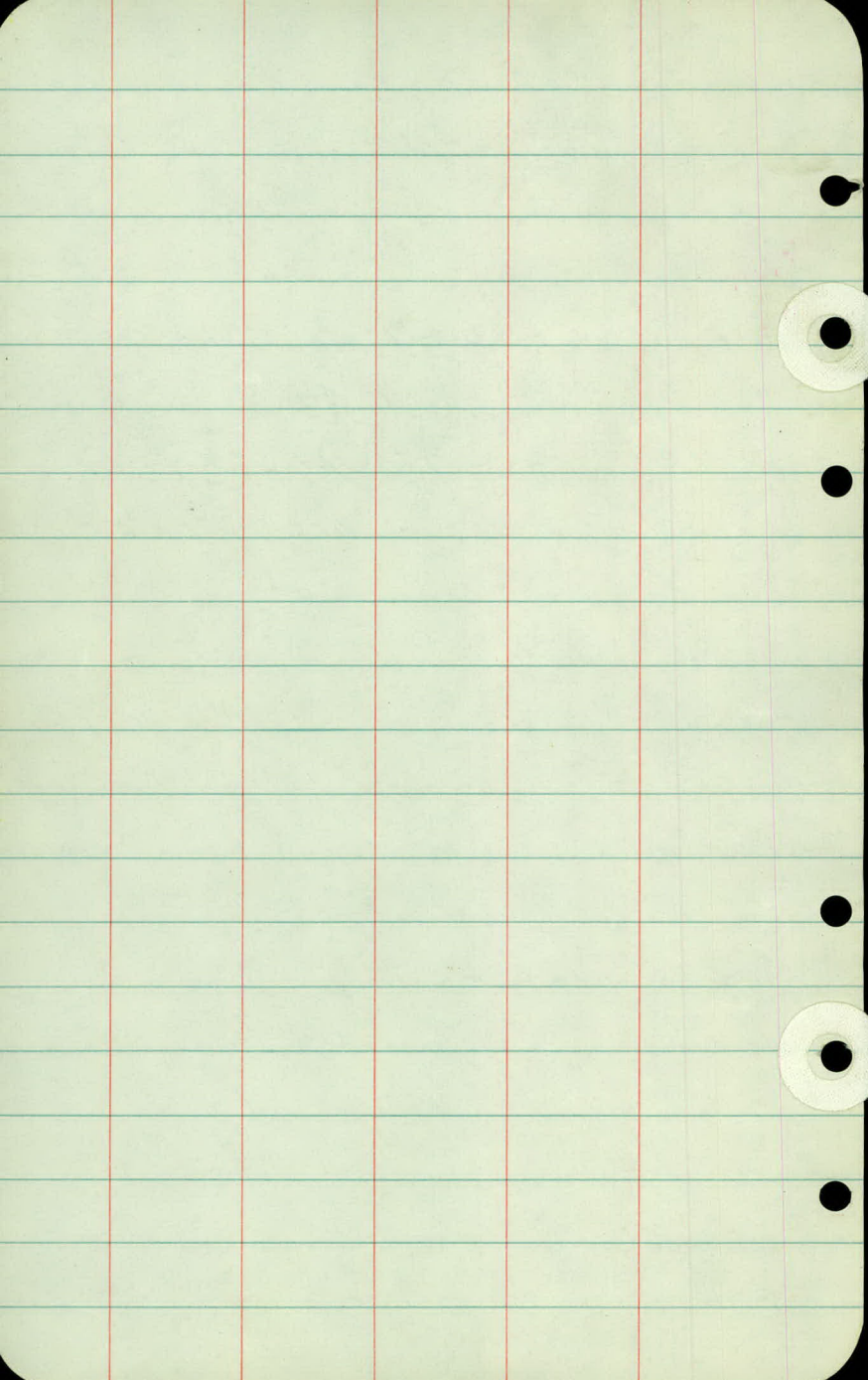
S.E. Cor lower Step Ho[#] 1805

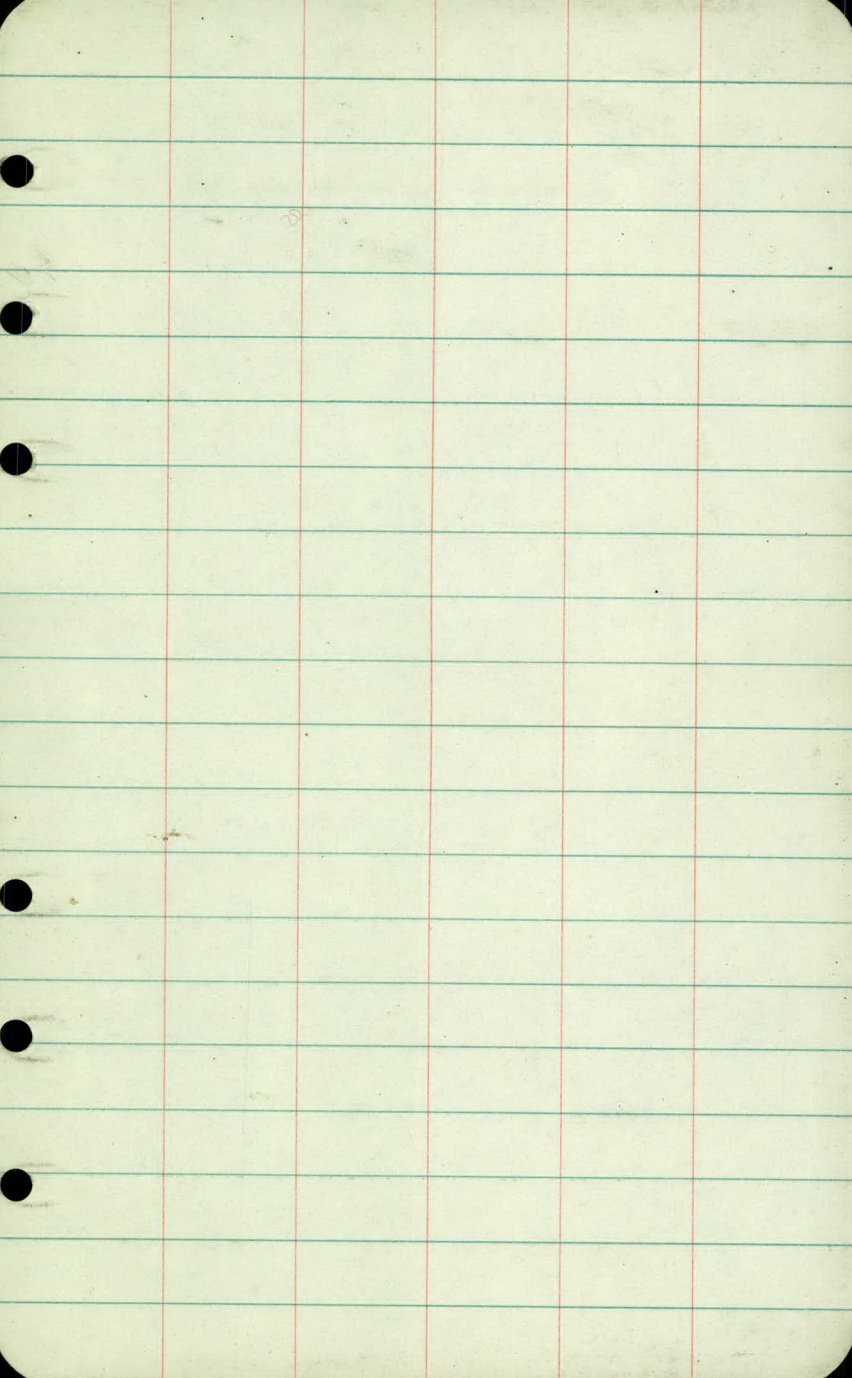
Top 15" GMC 24' Lt 13+95 $\pm$

Top P.K. Nail & Sta 19+00

Bit & Sta 25+00 (P.K. Missing)

Top Mont White Bear & Frost





Sta	+	π	-	Elev
BM	4.94	867.85		862.91
Pt 1			9.56	858.29
Pt 2			9.54	858.31
Pt 3			9.27	858.58

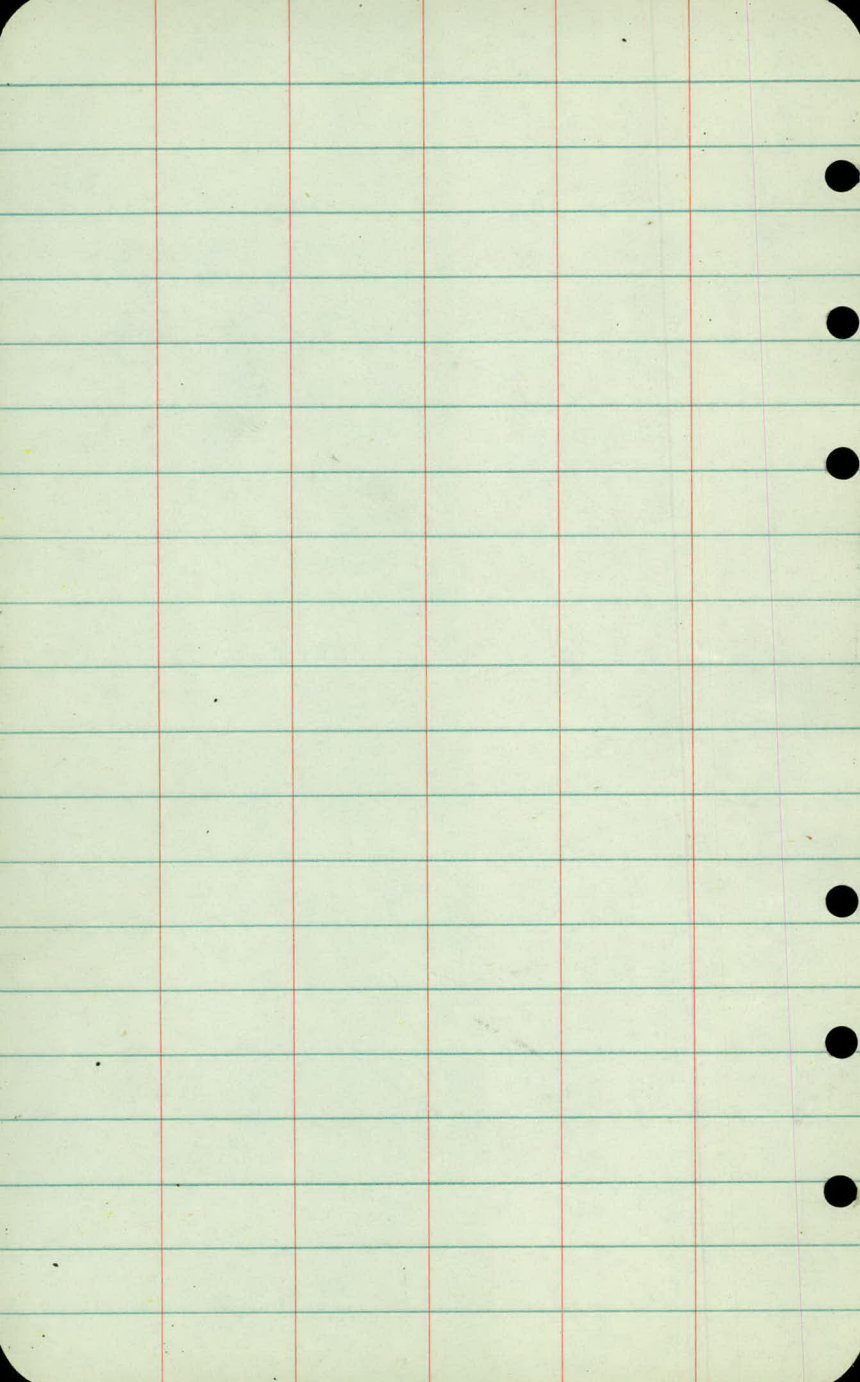
Oct 31, 1960
Rain, 40°

Top Wing dam Keller canal

lowest pt on bottom log in dam - center

" " " " - So. side

" " " " - No. side



BENCH LEVELS

WHITE BEAR Ave
Larp to Frost Ave

Sta.	+	π	-	ELEV
8.93	975.99			967.06
3.23	979.18	0.04	975.95	
2.20	968.53	12.85	966.33	
	963.80		2.20	61.43
2.37	964.10	7.10	961.73	961.73
	952.79		952.33	237
0.46	953.09	11.47	952.63	953.60
		3.95	948.84	
	952.79		949.14	
10.76	953.09	10.76	942.03	941.78
	960.80		942.33	
10.41	961.10	2.40	950.39	
	969.38		950.64	
9.30	969.68	0.72	960.08	
97	979.66		960.38	
11.18	979.96	0.90	968.48	
	977.04		968.78	
98	977.34	3.60	976.06	
			976.36	
			967.20	
		9.84	967.50	967.06

10.96
3.95
6.81

941.91
6.81
948.72

8.05
1.14
6.91

DISCRIPTION

Top Mont White Bear & Frost Ave

Top Nail & Sta 19+00

Top 15" GMC 33' Lt of Sta 13+03 ^{24' Lt}

Top S. E Cor sidewalk of YELLOW H⁽¹⁷⁷³⁾

Top P.K Nail & W.B.A at Sta 6+00

Top P.K Nail & W.B at Sta 4+61.65-

Top Hyd S. W Cor WHITE Bear & Larp

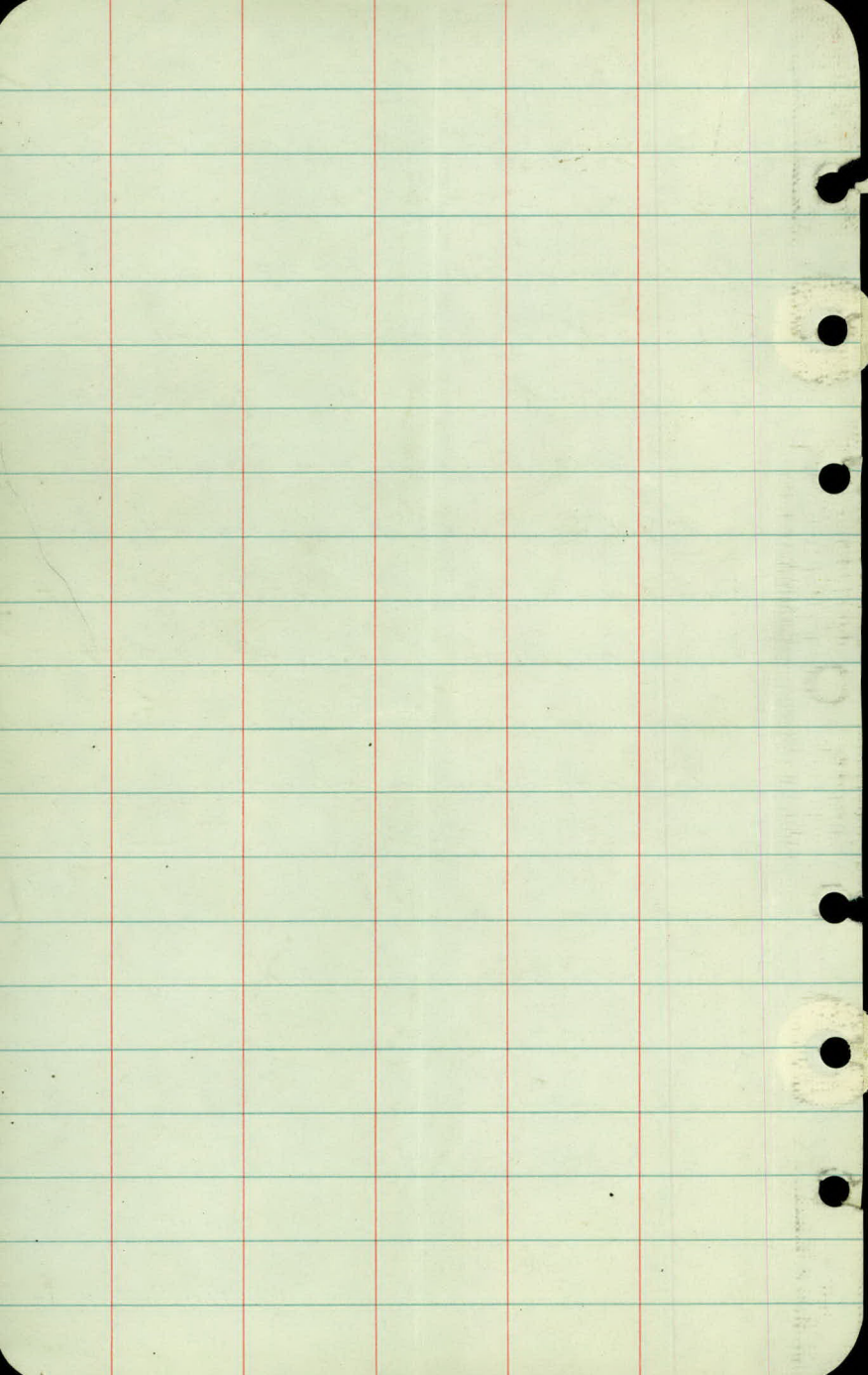
Top So. End GMC at Sta 5+86 ± 24' Lt

Top So Rim M.H. at Sta 10+21 18' Rt

Top of GMC 24' Lt of Sta 13+95 ±

Top P.K Nail & Sta 19+00

Top Mont White Bear & Frost



Mamholes

Original Elev

Elev

2243
1220
2017

1 6+94 w' Rt

954.18

2 7+26 30' Rt

Reconstruct

3 10+23 21' Rt

959.97

4 13+58 24' Rt

967.0

~~5 13+64 CB Lt 13+63~~

New Const

6 13+66 20' Lt

967.46

~~7 13+64 CB Rt 13+63~~

New Const.

8 15+73 22' Lt

972.92

9 17+81 19' Lt

975.53

10 19+88 19' Lt

975.29

11 22+44 24' Lt

971.17

w Reconst

12 22+80 Lt can't Find

Reconst

13 25+20 Lt

967.69

14 26+40 20' Lt

966.53

OK here

15 27+35 Lt

963.89

49.5

26

23.5

White Bear Ave
7-5-61 book
dr 9 Bk 40