

DR. 9 BK. 62

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

LARPENTEUR AVE.

From E. Shore Dr. To ^{White}Bear Ave.

Road Acc't. No. 30

Date Filed _____

File _____

File - Dr. 9 - Bk. 62

LARPEUTEUR AVE.

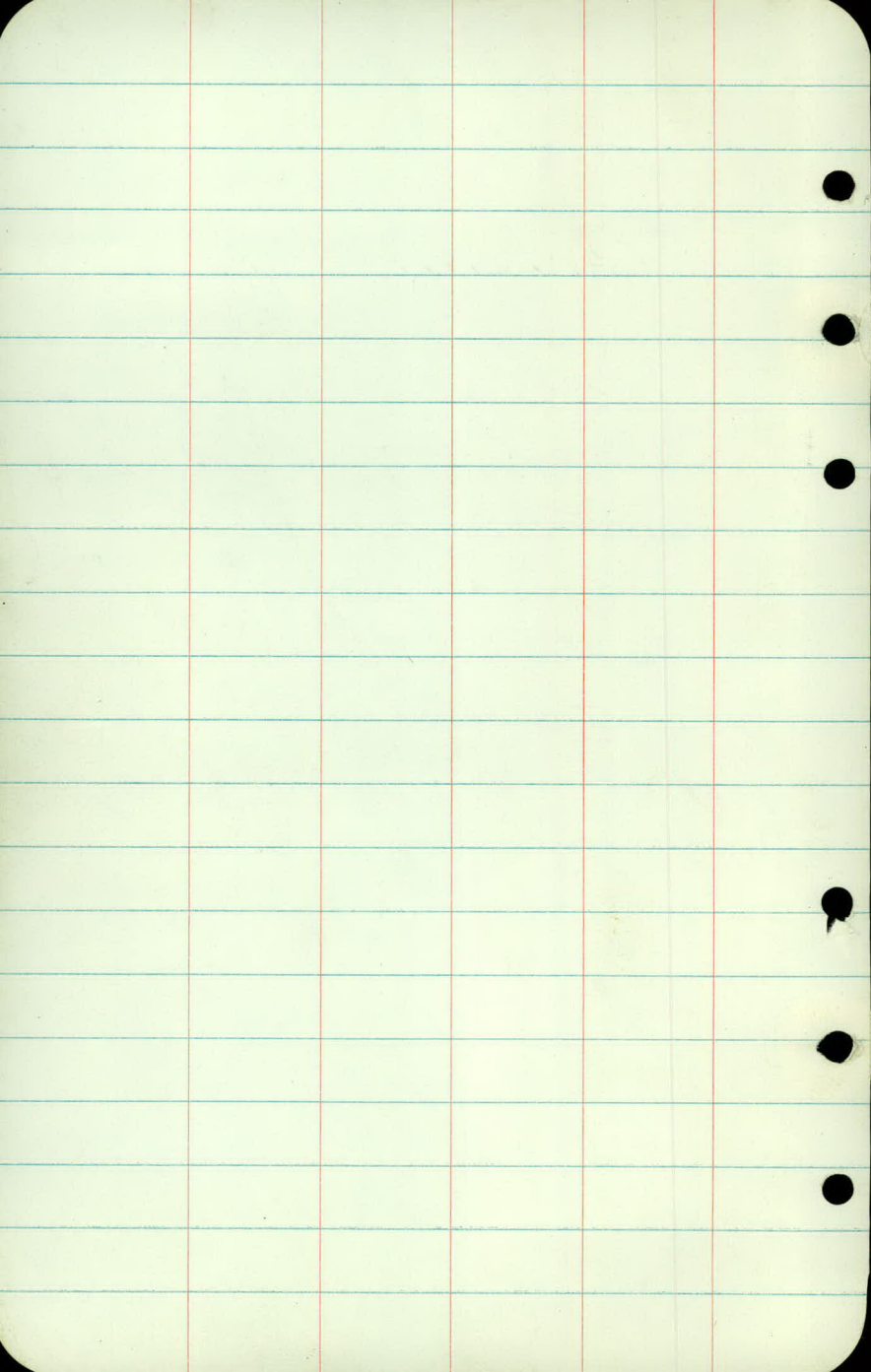
East Shore Drive

to

Prosperity Ave.

PLAN SURVEY

62-630-11



May 23, 1967

1

Alinement

Howard Kausts

Sta Point Δ Lt. Δ Rt

0+00 = East Shore Drive

May 22, 1967

2

16.33

Sta POINT Δ LT Δ RT

12+97.40 $\neq$ Chambers

9+81.82 $\neq$ Atlantic South

311.71 $\frac{1}{4} \frac{1}{4}$ Line

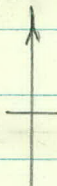
May 22, 1967

3

Cor. F.
Brick

132.29

N



101.64

111.00

Cor. F.

Stucco

70.15

71.02

77.42

75.92

161.91

99.79

73.12

Sta Point ΔL ΔR

23+15.69 P.O.T.

22+95.12 P.O.T.

20+05.25 Approx. $\angle$ Mc Afee

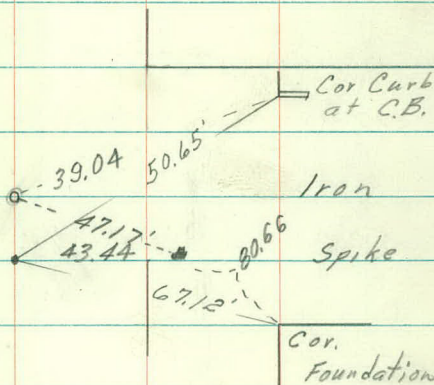
16+32.68 P.I.

$0^{\circ}17\frac{1}{2}'$

March 1, 1967

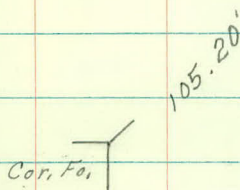
4-3

Clarence



English

Granite



Sta Point ΔL ΔR

32+97.99 $\neq$ Manton

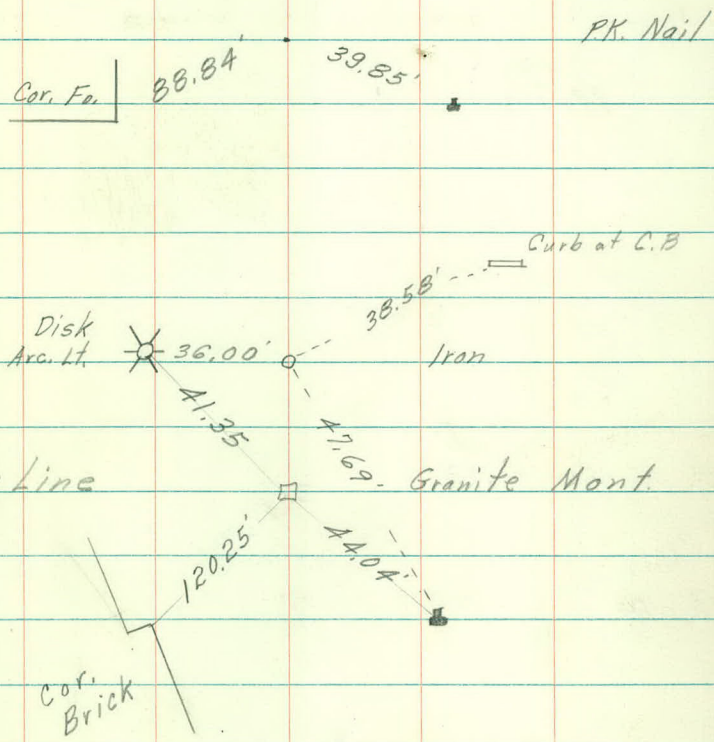
29+70.80 $\neq$ Birmingham So.

29+57.52 P.O.T.

57.52

March 3, 1967
£

5



Sta Point Δ Lt. Δ Rt.

31+07.99

2.140

11.57

11.42

27+10.00 POT

39+52.69 $\pm$ Dieter St.

25.27

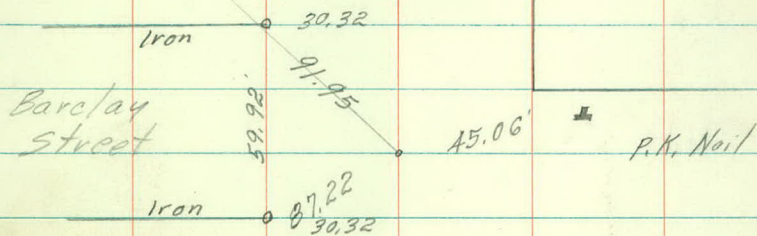
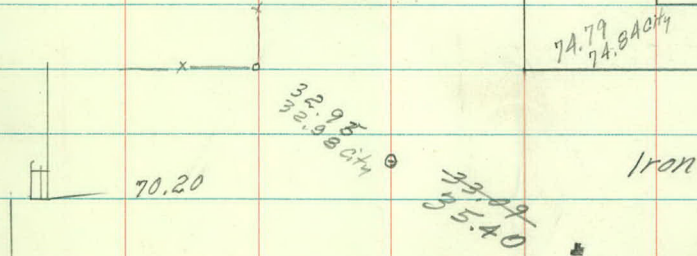
25.13

42+31.32 POT

36+64.81

36+25.40 $\pm$ Barclay Rt.

36+04.89



Cor. Fo.

Sta Point Δ Lt Δ Rt

47+18.43 $\pm$ Prosperity

42+82.76 POT Hazelwood

4 35.67

March 1, 1967

7

E Prosperity
Avenue

Boat Spike

89.20'
34.19'
Disk

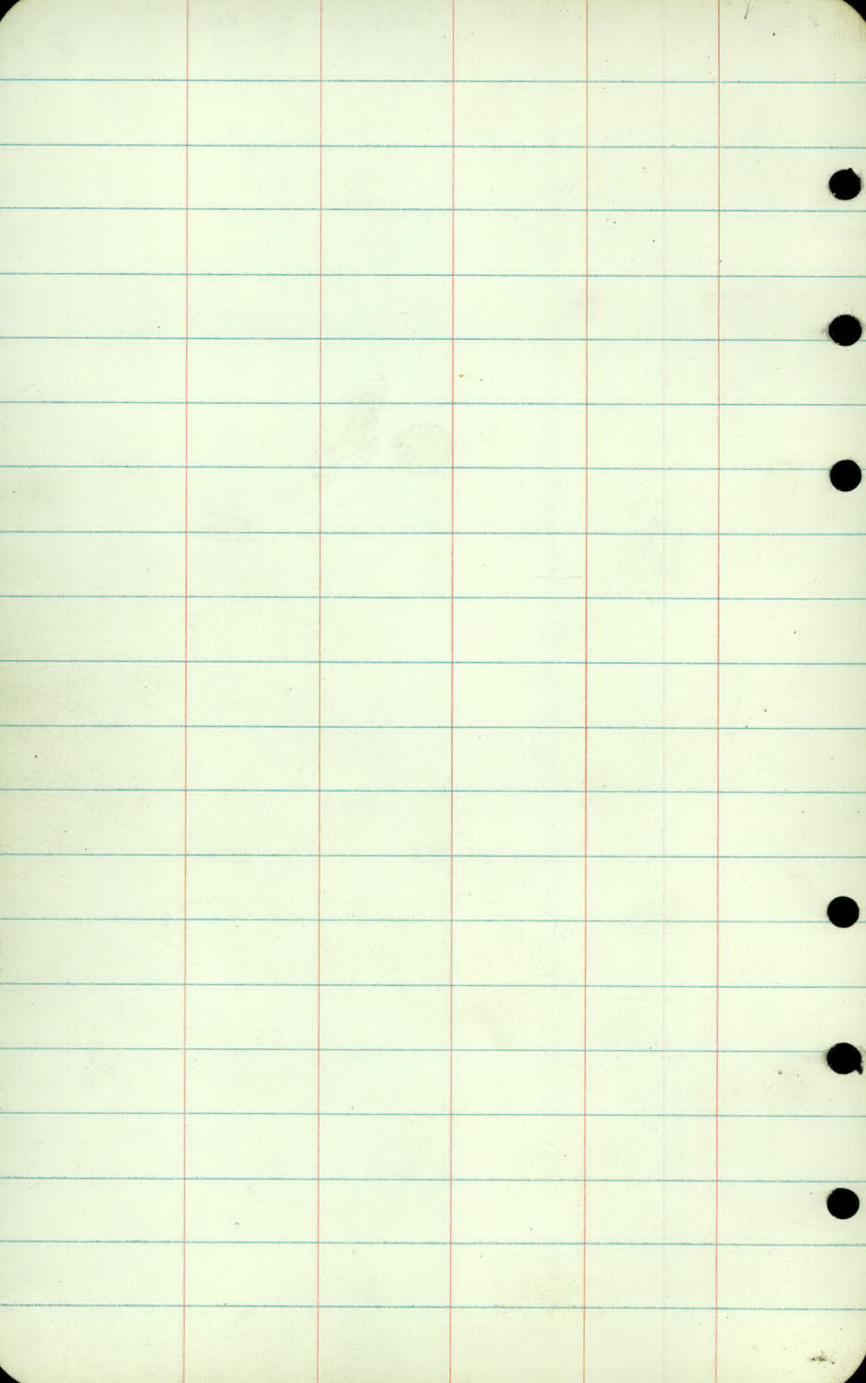
79.27'

1/4 Cor.

pin over Granite

116.66'

Cor.
Brick



FK
LPD

Nov. 30, 1967

1

LARPENTEUR AVE

Lake Phalen to White Bear Ave

TREE LOCATIONS BETWEEN

0+00 & 2+00

+42 3" Apple
50'

+21 3" Pine
49'

+06 3" Pine
50'

2

+91 12"P. ✓
61

+82 16" Maple
140

+76 12"P. ✓
50

+63 16" Maple
120

+73 Honey Suckle
38

+60 Honey Suckle
35

+70 16" Elm
35

+54 18" CE
35

+23 Spiraea
35

+28 Lilac
35 & 43

+20 Spiraea
35

+37 20" O
197

+09 4"P
44

+15 Spiraea
35

+25 16" O
153

+09 24" Elm
35

+06 14" O ✓
56

+12 18" O
199

1
+96 1"P
37

+99 24" O
182

+90 4"P
37

+87 14" O
79

+97 12" O
82

+73 12" Elm
91

+83 3" Cedar
53

+86 14" O
78

+72 18" Elm
40

+75 13" O
75

+78 14" O
123

+54 20" Elm
85

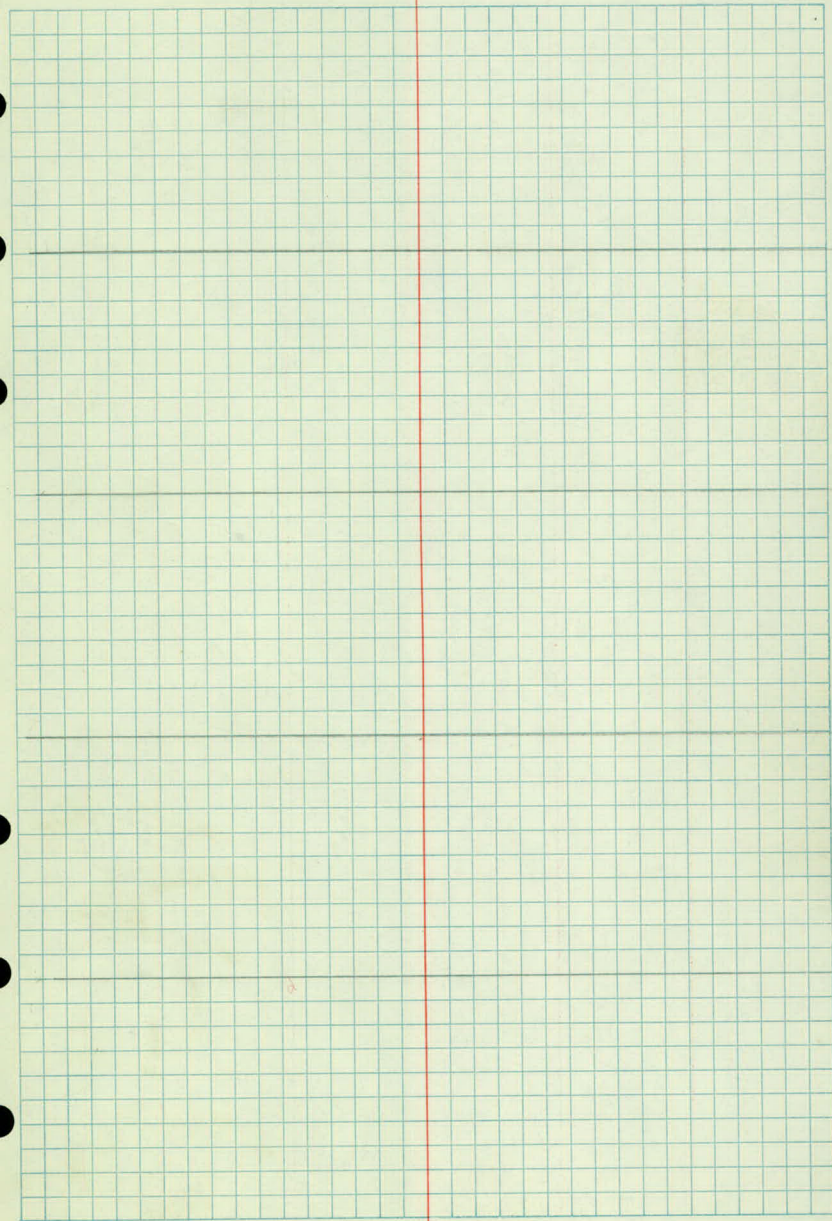
+63 26" Maple
64

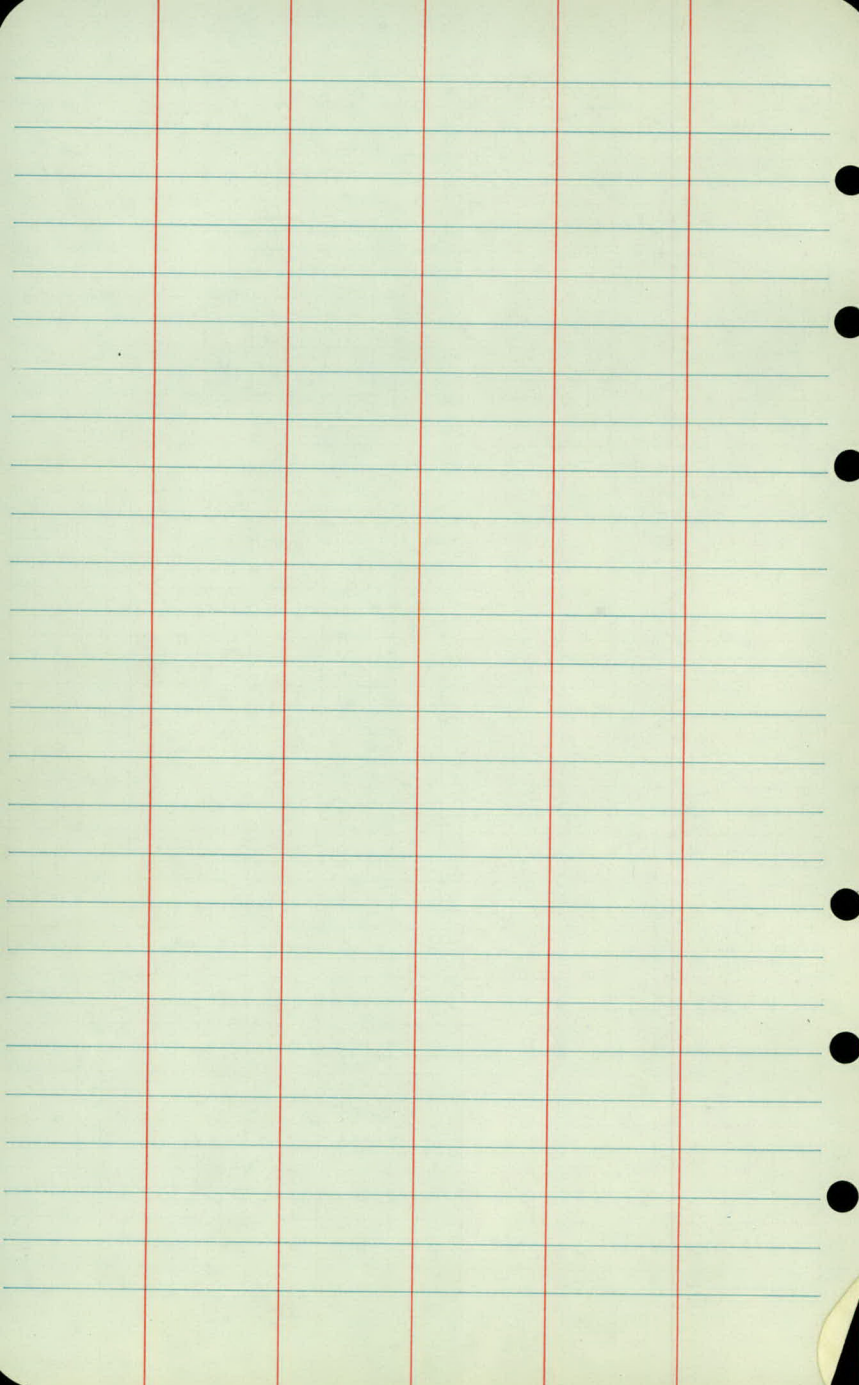
+74 14" O
89

0+00

Nov. 30, 1967

2





March 1, 1967

a

Additional or Corrective
TOPOGRAPHY

±

+07 $\frac{MH.}{21}$ /

2

+06 $\frac{PP}{22}$ /

1

+42 $\frac{Arc Lite}{36}$ /

March 1, 1967

6

8" Casting
2 Adj Rings
Concentric Cone
Inv to top 10.45



5

£

+74 $\frac{4' \text{ Maple}}{36}$ ✓+48 $\frac{£ 5' \text{ Walk}}{26}$ ✓+58 $\frac{2" \text{ P}}{36}$ ✓+45 $\frac{\text{N.W. Cor Ho}}{62}$ ✓+38 $\frac{£}{\text{Ent}}$ ✓+22 $\frac{\text{MH}}{19}$ ✓

4

+93 $\frac{£ 9' \text{ Conc Ent}}{26}$ ✓+17 $\frac{\text{E.E. St.}}{\text{Lt.}}$ ✓

3

W. Edge St. ✓

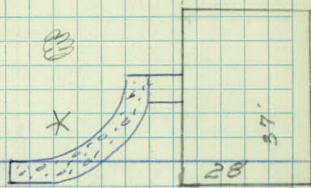
+93

+96 $\frac{\text{MH}}{20}$ ✓+88 $\frac{\text{Hyd}}{36}$ ✓

March 1, 1967

±

C



11" Casting
No Adj Rings
Concentric Cone
Inv to Top Cast 8.2
Inv W to Top 7.5

FRANK ST.

8" Casting
6 Adj Rings
Concentric Cone
Inv to Top = 10.82

+41 Trip 10" S. Pop /
40

+24 S.W. Cor. Ho /
71

+18 Trip 4 Birch /
45

+05 $\frac{1}{2}$ Ent 9' /
Conc 31

+14 Brick Box /
33

+94 6" Ash /
45

+95 Wall /
30

+97 Tw 4" P /
34

+88 TP /
25

+74 MH /
40

+67 $\frac{1}{2}$ Duluth St /
Rt

+66 MH /
20

+44 Hyd /
24

+07 18" CE /
28

+97 $\frac{1}{2}$ Duluth /
L

+84 Curb Line /
31

+86 EB Conc. Ent /
32

+80 B.B.C. /
23

+66 MH /
21

+76 PP /
24

+68 6" Maple /
37

+51 3" P /
43

+42 6" Maple /
37

+16 S.W. Cor Ho /
71

+23 3" P /
44

+09 $\frac{1}{2}$ Ent 11' /
Conc 24

5

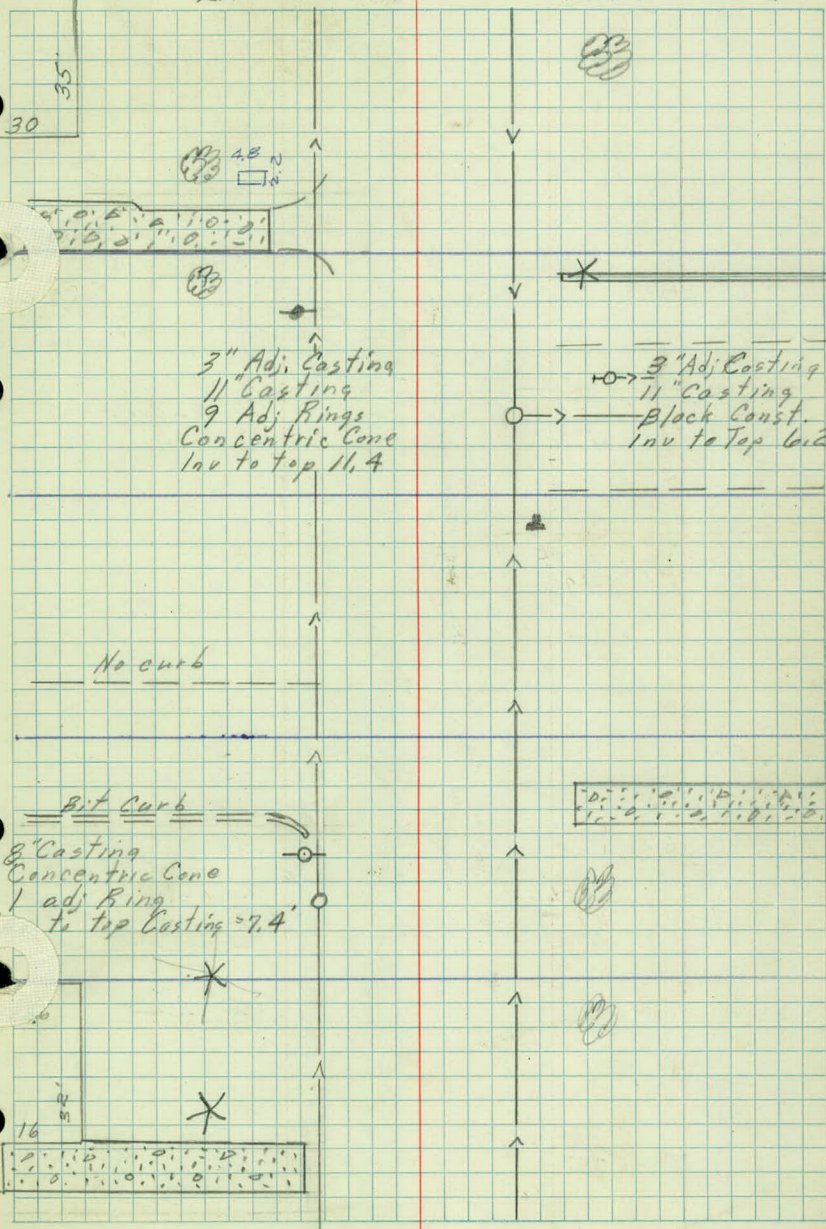
March 1, 1967

Lt.

±

Rt.

d



10

+82 $\frac{MH}{50}$ ✓+62 $\frac{Hyd}{37}$ ✓+60 $\frac{6" Ash}{45}$ ✓+68 $\frac{Curb Line}{31}$ ✓+52 $\frac{Underground}{X-ing}$ ✓+52 $\frac{\& Atlantic}{}$ ✓+51 $\frac{B. Walk}{}$ ✓+46 $\frac{B.C.C.}{46}$ ✓+60 $\frac{MH}{19}$ ✓+53 $\frac{#2GV}{10}$ ✓+22 $\frac{PP}{27}$ ✓+34 $\frac{BR}{21}$ ✓+37 $\frac{Curb Line}{L}$ ✓+17 $\frac{18" Elm}{42}$ ✓+18 $\frac{NE Cor Ho}{44}$ ✓

9

+98 $\frac{Fe Cor}{32}$ ✓+90 $\frac{12" Elm}{40}$ ✓+57 $\frac{Fe Cor}{32}$ ✓+43 $\frac{\& 4' Walk}{31}$ ✓+45 $\frac{\& Ent}{}$ ✓+20 $\frac{SW Cor Ho}{75}$ ✓+34 $\frac{NW Cor Ga}{56}$ ✓+34 $\frac{Wall}{32}$ ✓+18 $\frac{30" Elm}{39}$ ✓+23 $\frac{\& Alley}{}$ ✓

8

+14 $\frac{Wall}{28}$ ✓+85 $\frac{MH}{18}$ ✓+61 $\frac{\& 9 Conc Ent}{26}$ ✓+69 $\frac{PP}{25}$ ✓+50 $\frac{\& 9 Conc Ent}{26}$ ✓

FK
WM
PK
WJ

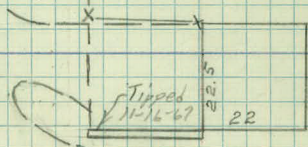
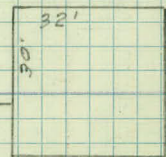
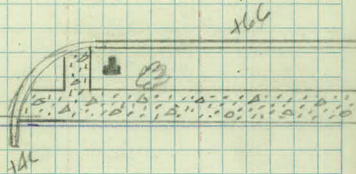
Lt.

March 2, 1967

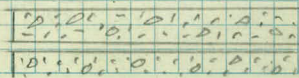
Rt.

e

8" Casting
Adj. Rings
Concentric Cone
to top 8.25



11" Casting
Adj. Ring
Concentric Cone
Inv. To Top = 8.30



+49 Fe Cor ✓
27
+36 18" Maple ✓
33
+27 18" Maple ✓
46

12

+92 Bush End Hedge ✓
35
+83 6" CE ✓
32
+67 12" CE ✓
38
+52 S+P ✓
39
+56 SW Cor. Ho ✓
74
+47 B. Hedge ✓
34
+70 12" Elm ✓
46
+85 18" Maple ✓
44
+69 Tripl 8" Maple ✓
30
+62 Fe Cor ✓
27
+22 ± Conc-Ent ✓
28
+12 NW Cor Gy ✓
40
+12 Fe Cor ✓
32

11

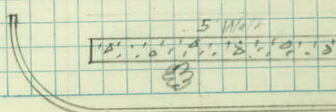
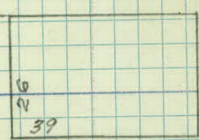
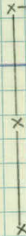
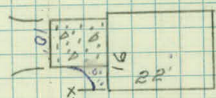
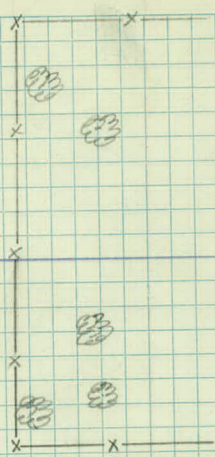
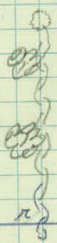
+59 8" Ash ✓
55
+66 Fe Cor ✓
33
+41 NW Cor. Ho ✓
38
+16 ECC ✓
16
+11 Walk ✓
32
+12 10" Ash ✓
39
+03 6" Ash ✓
51

10

March 2, 1967

f

0.1
0.2



15

+83 $\frac{PP}{25}$ ✓
out

+42 $\frac{Ent}{}$ ✓

14

+03 $\frac{PP}{out}$

+87 $\frac{NW Cor. Ho.}{64}$ ✓

+34 $\frac{Wall}{38}$ ✓

+25 $\frac{E.E. 5' Walk}{32}$ ✓

+08 $\frac{MH}{35}$ ✓

+11 $\frac{CB}{40}$ ✓

+06 $\frac{MH}{39}$ ✓

13

+05 $\frac{Sewer}{}$ ✓

E 12" CM ✓

+96 $\frac{41}{}$

+96 $\frac{MH}{37}$ ✓

+95 $\frac{MH}{20}$ ✓

+81 $\frac{CB at Carb}{41}$ ✓

+86 $\frac{G.V.}{31}$ ✓

+79 $\frac{Hyd}{36}$ ✓

March 2, 1967

9

11" Casting
1 Adj. Ring
Block Const
5.6 Inv to Top

12" VIT

8" Casting
1.25' Adj. Rings
Concentric Comp
Inv to top 7.94

11" Casting
1 Adj. Ring
Block Const
7.3' Deep

checked 11 2130

17

+83 $\frac{ER}{15}$ ✓

Road
16 17

+63 $\frac{POR}{23}$ ✓

+52 $\frac{BR}{45}$ ✓

+74 $\frac{GV}{15}$ ✓

~~+75 $\frac{MH}{18}$ ±~~ ✓

+62 $\frac{GP}{29}$ ✓

+32 $\frac{MH}{19}$ ✓

+32 $\frac{MH}{35}$ ✓

+07 $\frac{PP}{57}$ ✓

+22 $\frac{MH}{54}$ ✓

16

+05 $\frac{Hvd}{37}$ ✓

+99 $\frac{Fe Cor}{33-46}$ ✓

+98 $\frac{Tw 10" \text{ under}}{48}$ ✓

+33 $\frac{B. Fe}{33}$ ✓

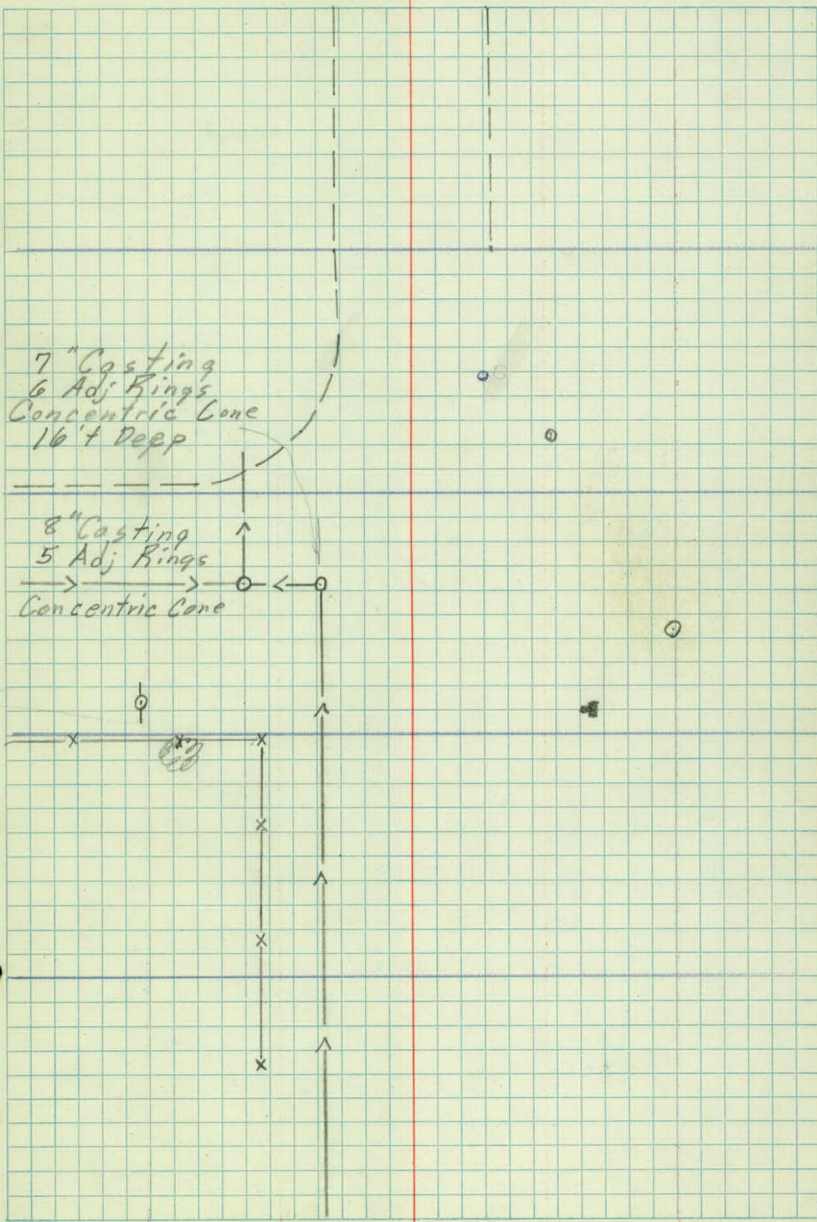
15

March 2, 1967

h

7" Casting
6 Adj Rings
Concentric Cone
16' Deep

8" Casting
5 Adj Rings
Concentric Cone



20

Road
18+89 E.R. 31 +96 G.V. 31+87 Hyd 33+74 Bel. Bit Cymbo Radin 16+79 MH 25

19

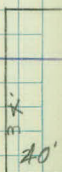
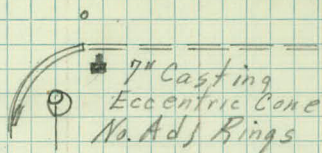
Road
17 16+26 NW Cor. Ho 78+14 MH 27+93 Gas Vent 33+79 Underground
X-1ng+26 Pull Box 42+65 Signal 21Arm
18.5+25 Signal Box 37-30+34 Signal 23Arm
20.4+21 Stub Pole 38

18

Road
16 15+88 Gas Vent 32+84 Tw 12" D 40

March 2, 1967

2



Lt.

£

Rt.

+48 $\frac{\text{£ Ent}}{\text{Bit.}}$ ✓+06 $\frac{\text{N.W. Cor Ho.}}{50}$ ✓

22

Road
17 14+56 $\frac{\text{x. Fe}}{26}$ ✓+48 $\frac{\text{PP}}{19}$

21

Road
18 16+59 $\frac{8" \text{ Apple}}{44}$ ✓+59 $\frac{\text{NW Cor Ho.}}{41}$ ✓+21 $\frac{\text{Arc Lito}}{21}$ ✓+05 $\frac{\text{Lift Sta}}{29-21}$ ✓+05 $\frac{\text{MH}}{35}$ +24 ER
16+19 $\frac{\text{Bit Curb}}{21}$ ✓

20

+05 $\frac{\text{Stub Pole}}{26}$ +05 $\frac{\text{MH}}{28}$ ✓

FK
WM
L.P.D.
W.J.

March 6, 1967

E

Lt.

Rt.

f

54'
26

Wood Picket

x x x

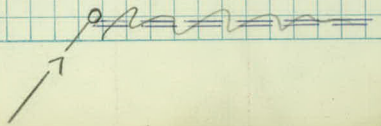
o

40'
24.3

9" Casting
1 Adj. Ring
Eccentric Cone



11" Casting
5 Adj. Rings
Concentric Cone



25

Road
16 13+90 Bush
37+87 PP
19+31 R. Tie
Ho+16 S.W. Cor Ho
78+24 10' EE Ent
Bit+06 Hedge
52+08 EE Ent +15
Bit +93

24

Road
16 13+97 6" Apple
61+54 S.W. Cor Ho
92+43 MH
16+15 MH
67+21 MH
56+38 R. Tie
Ho+30 CB
37+15 EE 15" CM
39

+14.67 E Clearances

23

Road
16 13+00 CB
37.5+97 Hyd
4A+93 MH
25+86 Ave. Lt.
19

+97 E Clearance St

+82 Underground
X-ing+7A W. E. Ent
38+84 2" P
26+72 8" Apple
26+60 8" Maple
2710' back of
Face of Curb
8-5-1975
JH

March 6, 1967

he

421

#1367

Gas MH
2 Layer Brick

7" Casting
3 Adj. Rings
Concentric Cone

+38 4" Elm 53 ✓

+11 4" Elm 51 ✓

+06 S.W. Cor. Ho. 85 ✓

27

Road
16.5 13

+91 Archt. 18 ✓

+85 16' Ent Bit ✓

+72 Hedge 50 ✓

+60 1/2 Ent C. Rack ✓

+65 1/2 Ent Church ✓

+43 5" Apple 51 ✓

+31 4" Mulberry 56 ✓

+23 MH 26 ✓

+10 4" Mulberry 57 ✓

26

Road
16 13.5

+98 S.W. Cor. Ho. 86 ✓

+85 Hedge 45 ✓

+90 Sign 50 ✓

+84 x. Fe 50 ✓

+62 6" Maple 64 ✓

+26 S.W. Cor. Ho. 89 ✓

+34 1/2 Ent Bit ✓

+12 1/2 Ent Bit ✓

+20 9" Conc Walk 34 ✓

25

+01 R. Tie Walk ✓

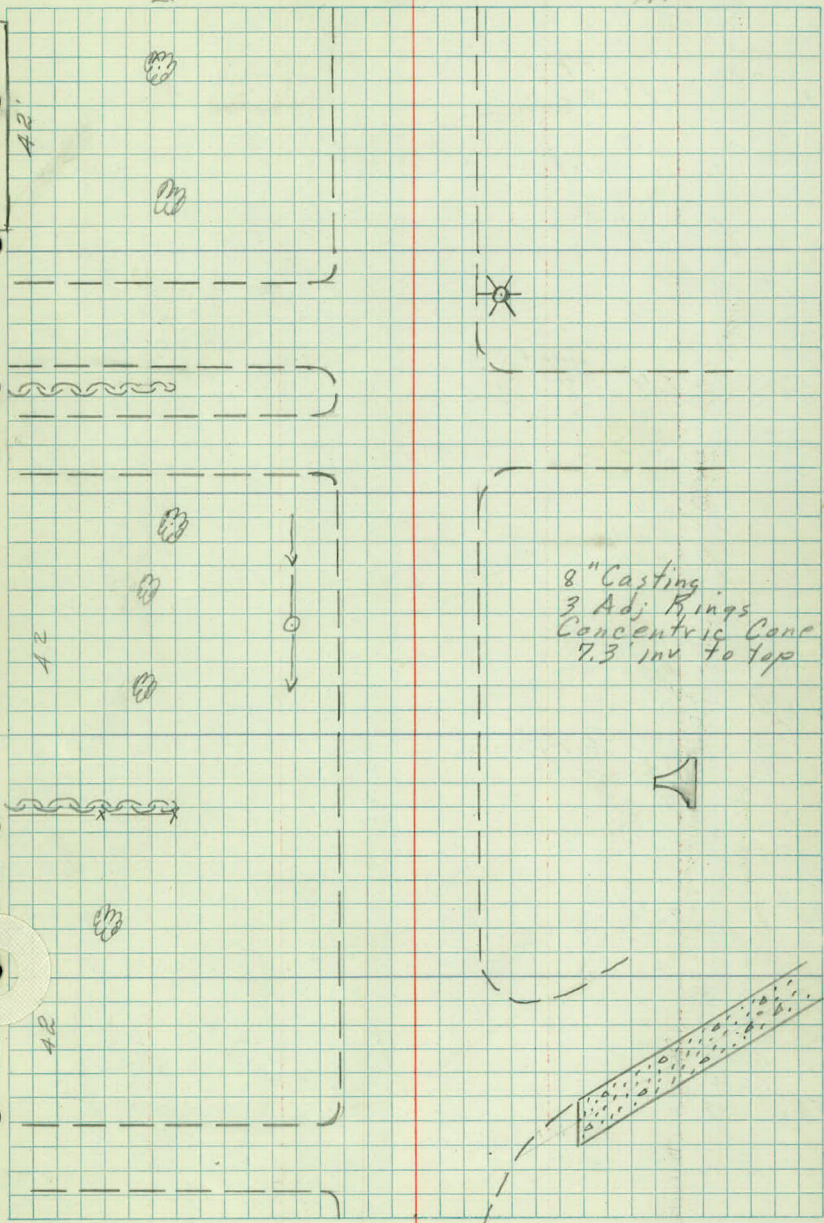
March 6, 1967

l

Lt

£

Rt



42'

12

42

8" Casting
3 Adj Rings
Concentric Cone
7.3' inv to top

30

$$\begin{array}{r} \text{Road} \\ 16 \quad 14 \end{array}$$

$$+79 \frac{PP}{36}$$

$$+85 \frac{CB}{37.5}$$

$$+69 \frac{MH}{67}$$

$$+54 \text{ } \frac{\text{£ Birmingham}}{\text{MH}}$$

$$+75 \frac{MH}{25}$$

$$+69 \text{ } \frac{\text{£ Birmingham}}{\text{MH}}$$

$$+54 \frac{MH}{26}$$

$$+50 \frac{Hyd}{44}$$

$$+55 \frac{CB}{37.5}$$

$$+19 \frac{6 \text{ Apple}}{67}$$

29

$$\begin{array}{r} \text{Road} \\ 16 \quad 16 \end{array}$$

$$+80 \frac{R. Lie}{Ho}$$

$$+88 \frac{\text{Check } \frac{\text{£ Later}}{\text{£ Ent Church}}}{\text{£ Ent Church}}$$

$$+54 \frac{SW Cor. Ho}{85}$$

$$+48 \frac{4 \text{ Apple}}{71}$$

$$+26 \frac{\text{£ Ent Bif}}{\text{Bif}}$$

28

$$\begin{array}{r} \text{Road} \\ 16 \quad 14 \end{array}$$

$$+71 \frac{3 \text{ P}}{51}$$

$$+69 \frac{SW Cor. Ho}{80}$$

$$+56 \frac{\text{Hedge}}{51}$$

March 6, 1967

m

8" Casting
No Adj Rings
Concentric Cone
8.06' Deep

3 5" 12" 11" Casting
Black Const.
33" 5.9' Deep

42'

42'

X

+37 $\frac{4^{\circ}\text{Maple}}{32}$ ✓

+35 $\frac{\text{S.W. Cor. Ho.}}{64}$ ✓

+19 $\frac{12^{\circ}\text{S. Pop.}}{64}$ ✓ +26 $\frac{2^{\circ}\text{Ent}}{\text{C. Rock}}$ ✓

+18 $\frac{4^{\circ}\text{Maple}}{35}$ ✓

32

$\frac{\text{Road}}{18\ 14}$ ✓

+81 $\frac{8^{\circ}\text{Elm}}{63}$ ✓

+79 $\frac{6^{\circ}\text{Elm}}{37}$ ✓

+23 $\frac{\text{Walk}}{29}$ ✓

+15 $\frac{\text{S.W. Cor. Ho.}}{82}$ ✓

31

+03 $\frac{2^{\circ}\text{Ent}}{\text{C. Rock}}$ ✓ $\frac{\text{Road}}{17\ 15}$ ✓

+96 $\frac{\text{R. Tie}}{}$ ✓

+31 $\frac{\text{R. Tie}}{\text{Ho.}}$ ✓

+26 $\frac{\text{S.W. Cor. Ho.}}{91}$ ✓

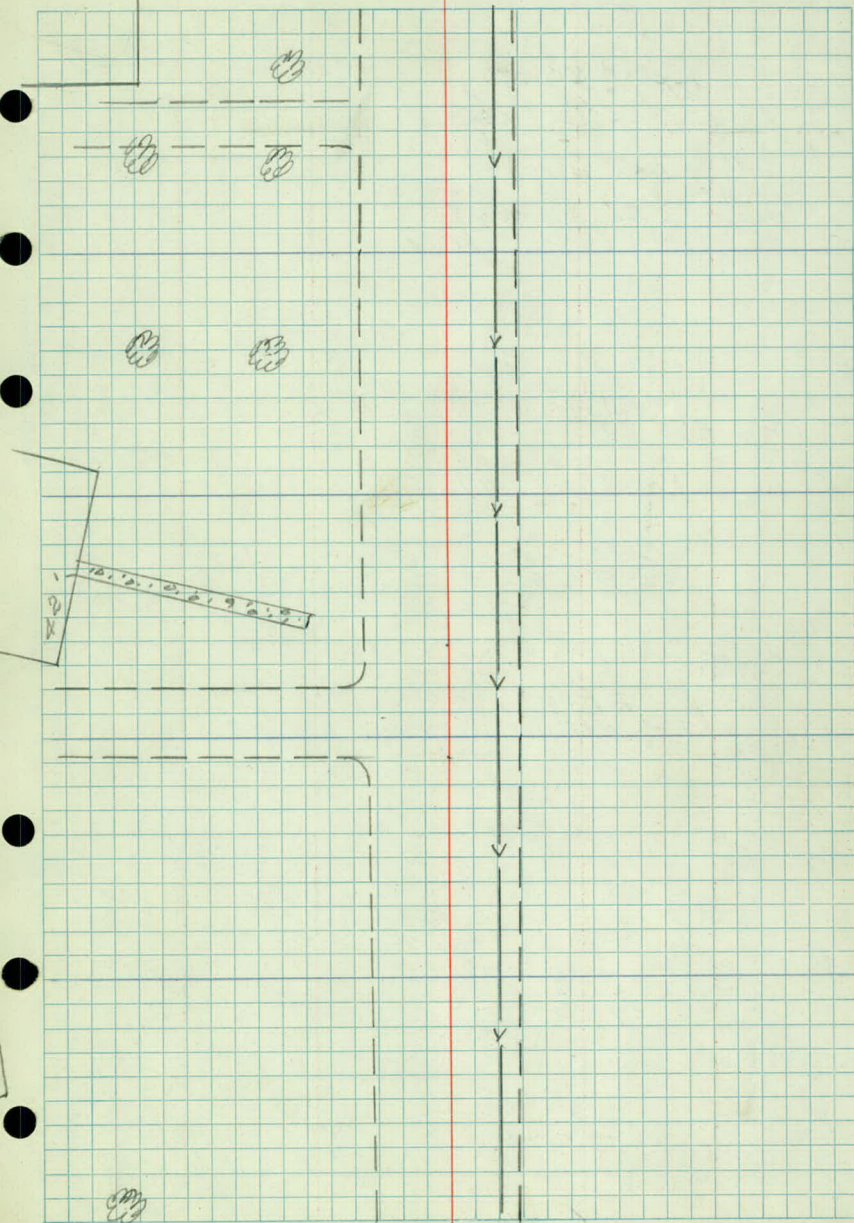
+03 $\frac{14^{\circ}\text{Elm}}{67}$ ✓

30

$\frac{\text{Road}}{16\ 14}$ ✓

March 6, 1967

n



35

$$\begin{array}{r} \text{Road} \\ 17 \quad 15 \end{array}$$

$$79 \frac{\text{4' Walk}}{30}$$

$$+77 \frac{\text{Yard Lt.}}{32}$$

$$+57 \frac{\text{SW Cor. Ho.}}{60}$$

$$+61 \frac{\text{PP}}{29}$$

$$+54 \frac{\text{Tip 4" Birch}}{35}$$

34

$$+12 \frac{\text{4' Walk}}{24}$$

$$\begin{array}{r} \text{Road} \\ 17 \quad 15 \end{array}$$

$$+96 \frac{\text{SW Cor. Ho.}}{69}$$

$$+78 \frac{\text{4' Ent}}{\text{Dirt}}$$

$$+62 \frac{\text{4' Ent}}{\text{Bit}}$$

$$+48 \frac{6'' \text{P}}{54}$$

$$+27 \frac{\text{4' Walk}}{29}$$

$$+03 \frac{\text{SW Cor. Ho.}}{61}$$

$$+14 \frac{\text{Cor. Bit}}{14}$$

33

$$\begin{array}{r} \text{Road} \\ 17 \end{array}$$

$$+93 \frac{\text{Fe}}{31}$$

$$+94 \frac{\text{MH}}{18}$$

$$+98 \frac{\text{MH}}{53}$$

$$+88 \frac{\text{Bush}}{32}$$

$$+86 \frac{3 \text{ Apple}}{50}$$

$$+81 \frac{\text{Cor. Bit}}{14}$$

$$+92 \frac{\text{MH}}{10}$$

$$+72 \frac{\text{Hyd}}{32}$$

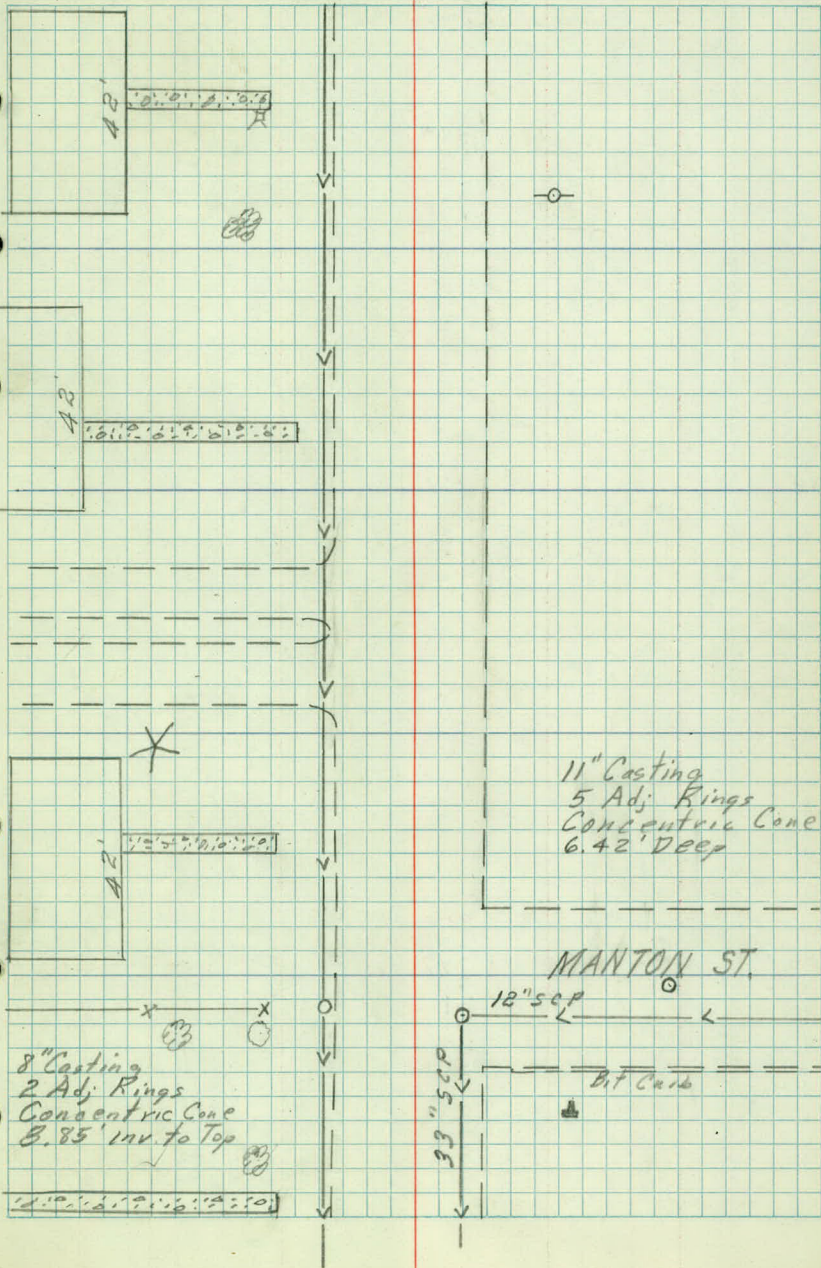
$$+81 \frac{\text{B. Crab}}{20}$$

$$+62 \frac{4'' \text{ Maple}}{32}$$

$$+53 \frac{\text{Walk}}{29}$$

March 6 1967

0



Lt.

L

Rt

+47 $\frac{1}{2}$ Ent
Dirt

SW Cor Ga.

+41 64

+26 $\frac{1}{2}$ 4' Walk
19+16 NW Cor. Ho
53

37

Road
17 16+96 $\frac{1}{2}$ 4' Walk
32 +94 SW Cor Ho
61+93 $\frac{18''0}{43}$ +80 $\frac{6-6'' Maple}{39}$ +73 $\frac{16'' LP}{41}$ +70 $\frac{10'' Elm}{48}$ +87 $\frac{16''0}{55}$ +64 $\frac{10'' LP}{51}$ +60 $\frac{6'' LP}{45}$ +73 $\frac{12''0}{65}$ +62 Hyd
26+33 $\frac{1}{2}$ Barclay+55 $\frac{14''0}{50}$ +30 MH
18+24 MH
18+07 Anc Lt
27+19 W.G.V.
10

36

Road
16 15+07 PP
27+92 $\frac{14''0}{49}$ +71 $\frac{Tw 12''0}{57}$ +85 Undergr
Xing+67 $\frac{4''0}{41}$ +62 $\frac{16''0}{49}$ +62 $\frac{5''0}{43}$ +71 $\frac{4''P}{34}$ +61 $\frac{1}{2}$ Walk
28+57 $\frac{12''0}{50}$ +52 $\frac{6''P}{34}$ +51 $\frac{16''0}{54}$ +35 SW Cor Ho
66+41 R Tie
Ho+48 $\frac{14''0}{56}$ +35 $\frac{3''P}{35}$ +17 $\frac{1}{2}$ 9' Conc. Ent
31+26 Bush
29

35

+05 $\frac{4''P}{35}$

FK
WM
LPD
WJ

March 8, 1967

Lt

Rt

P

16.2

6.2

2.8

31.4

381

26.1

14.5

7" Casting
3 Adj. Rings
Concentric Cone
9.24' inv to top

11" Casting
1 Adj. Ring
Concentric Cone
8.50' inv to top



40

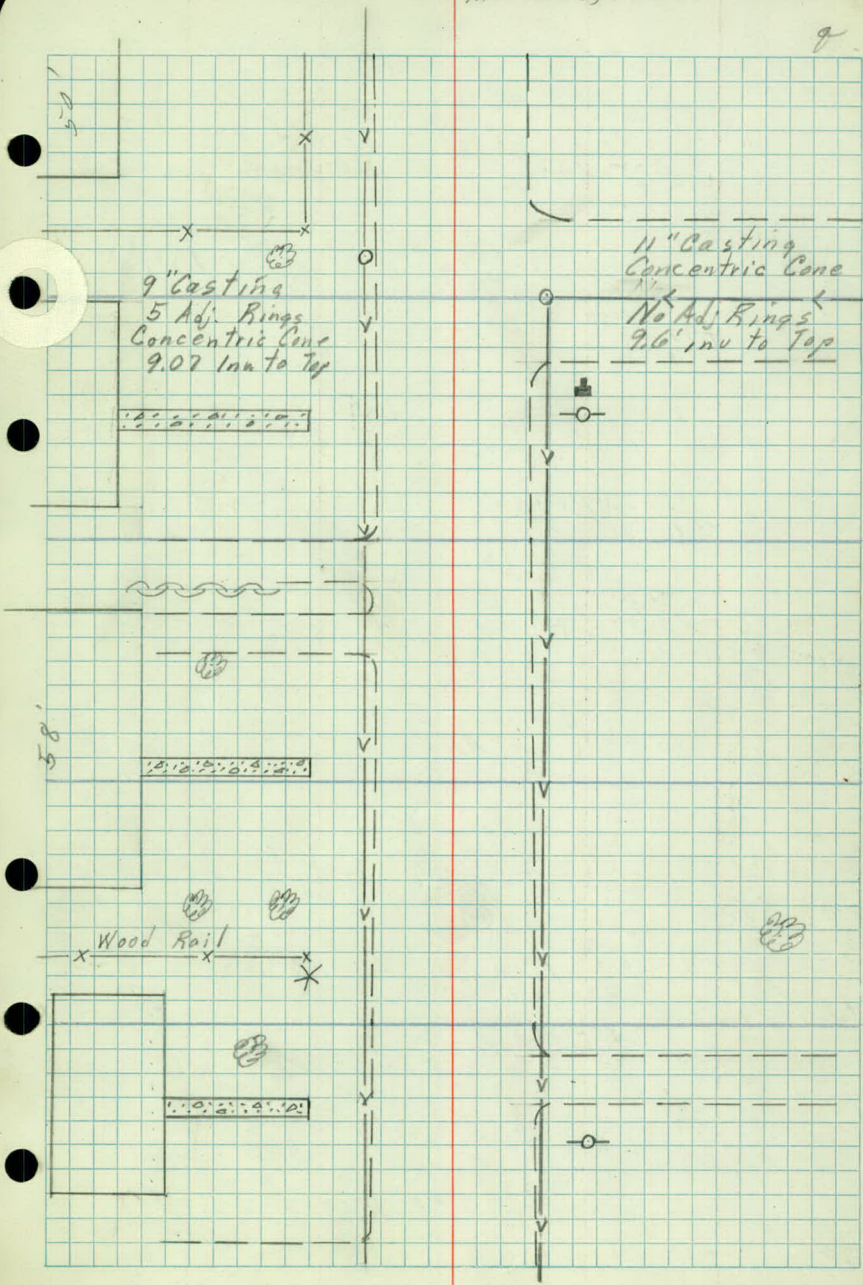
Road
17 15+75 $\frac{\text{SW Cor Ho}}{70}$ ✓+64 $\frac{\text{Fe Cor}}{31}$ ✓+59 $\frac{\text{MH}}{19}$ ✓(Iron)
+52 $\frac{\text{Dieter St}}{\text{Dirt}}$ +58 $\frac{3" \text{ Ash}}{36}$ ✓+51 $\frac{\text{MH}}{18}$ ✓+25 $\frac{4" \text{ Walk}}{30}$ ✓+31 $\frac{\text{Hyd}}{27}$ ✓+27 $\frac{\text{PP}}{27}$ ✓39 +94 $\frac{\text{Ent}}{\text{Dirt}}$ ✓ +94 ✓
+94 ✓+107 $\frac{\text{SW Cor Ho}}{70}$ ✓ Road
16 16+90 $\frac{\text{Hedge}}{37-68}$ ✓+81 $\frac{\text{Ent}}{\text{Dirt}}$ ✓+74 $\frac{\text{Tw } 3" \text{ Birch}}{51}$ ✓+53 $\frac{4" \text{ Walk}}{30}$ ✓+74 $\frac{\text{Tw } 3" \text{ Birch}}{35}$ ✓+28 $\frac{\text{SW Cor Ho}}{65}$ ✓+24 $\frac{\text{Tw } 4" \text{ Birch}}{53}$ ✓+24 $\frac{\text{Quad } 4" \text{ Birch}}{35}$ ✓+18 $\frac{28" \text{ Oak}}{69}$ ✓+08 $\frac{2" \text{ P}}{30}$ ✓+14 $\frac{\text{X-Fe}}{31}$ ✓

38

+95 $\frac{4" \text{ Catalpa}}{42}$ ✓ Road
17 17+88 $\frac{\text{Ent}}{\text{Dirt}}$ ✓+83 $\frac{4" \text{ Walk}}{30}$ ✓+65 $\frac{\text{SW Cor Ho}}{60}$ ✓+76 $\frac{\text{PP}}{28}$ ✓

March 9, 1967

9



+15 $\frac{4 \text{ Elm}}{71}$

+36 $\frac{4 \text{ Cth}}{49}$

+15 $\frac{5 \text{ Elm}}{69}$

+18 $\frac{3 \text{ Elm}}{48}$

+10 $\frac{MH}{19}$

+27 $\frac{6-10 \text{ BE}}{46}$

42

Road
19 16

+97 $\frac{\text{Hedge}}{31}$

+78 $\frac{5 \text{ Hedge}}{36}$

+60 $\frac{\text{Sextal } 8 \text{ BE}}{41}$

+59 $\frac{4 \text{ Walk}}{30}$

+23 $\frac{4 \text{ Conc Ent}}{29}$

+17 $\frac{SW \text{ Cor Ho}}{64}$

41

+03 $\frac{4 \text{ Ent}}{29 \text{ Conc}}$ Road 18 15

+89 $\frac{4 \text{ Ash}}{40}$

+81 $\frac{PP}{26}$

+52 $\frac{3 \text{ Ash}}{10}$

+71 $\frac{4 \text{ Walk}}{29}$

+46 $\frac{2 \text{ Birch}}{33}$

+60 $\frac{4 \text{ Double Ent}}{B, 1}$

+38 $\frac{Fe \text{ Cor}}{31}$

+48 $\frac{SW \text{ Cor Ho}}{60}$

+32 $\frac{4 \text{ P}}{34}$

+49 $\frac{NW \text{ Cor Garage}}{54}$

+19 $\frac{4 \text{ Conc Ent}}{33}$

+33 $\frac{4 \text{ Walk}}{34}$

40

+03 $\frac{4 \text{ P}}{34}$

Road
17 15

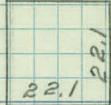
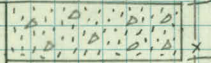
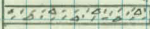
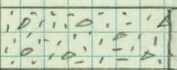
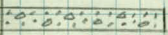
+08 $\frac{N.W. \text{ Cor Ho}}{48}$

March 9, 1967

2

8" Casting
4 Adj. Rings
Concentric Cone
8.3" to Top

6.5'



30.1

45

Road
18 15+84 $\frac{1'' \text{Ash}}{23}$ +46 $\frac{10'' \text{BE}}{56}$ +37 $\frac{\text{Tw } 22'' \text{Cott}}{58}$

44

Road
19 16+78 $\frac{\text{Trip } 26'' \text{Cott}}{56}$ +48 $\frac{4'' \text{Elm}}{27}$ +44 $\frac{\text{Tw } 12'' \text{BE}}{56}$ +18 $\frac{\text{Trip } 24'' \text{Cott}}{56}$

43

Road
19 16+92 $\frac{6'' \text{BE}}{35}$ +97 $\frac{12'' \text{BE}}{36}$ +79 $\frac{3'' \text{BE}}{34}$ +89 $\frac{8'' \text{Elm}}{37}$ +68 $\frac{12'' \text{BE}}{62}$ +60 $\frac{\text{Tw } 14'' \text{Willow}}{54}$ +56 $\frac{\text{Tw } 14'' \text{BE}}{54}$

March 9, 1967

2

100

100

100

100

100

100

100

100

$$+42 \frac{ER}{15}$$

$$+23 \frac{ER}{40}$$

$$+18 \frac{BR}{26}$$

47

$$+95 \frac{Arc. Lt}{27}$$

20 16

$$+64 \frac{GV}{27}$$

$$+69 \frac{GV}{31}$$

$$+96 \frac{BR}{19}$$

$$+59 \frac{ER}{48}$$

$$+40 \frac{BR}{19}$$

$$+55 \frac{Hyd}{47}$$

$$+33 \frac{1" Ash}{23}$$

$$+09 \frac{1" Ash}{23}$$

$$\frac{Road}{19 \ 17}$$

46

$$+82 \frac{1" Ash}{23}$$

$$+64 \frac{2" P}{39}$$

Little Trees
23' Rt.

$$+58 \frac{1" Ash}{23}$$

$$+54 \frac{R. Tie}{H_0 \ E. Side}$$

$$+19 \frac{N.W. Coc Ho}{25}$$

$$+33 \frac{1" Ash}{23}$$

$$+19 \frac{14" Oak}{43}$$

$$+13 \frac{R. Tie}{H_0}$$

$$+08 \frac{1" Ash}{23}$$

45

18 15

50

Tw 8' Elh: Trees ✓
 +93 4.0 31 +92 6.2 Elh
 +89 5.2 Elh 41 +92 4.2 Elh
 +88 4.1 Elh +82 30.0 Elh +82 8.1 Elh
 +88 4.1 Elh 34 42
 +76 6.1 Elh +80 6.1 Elh
 +76 43 41
 +73 6.1 Elh 39
 +41 Trip 14" Oak +69 28.6 Elh
 55 39
 +26 4.2 Elh 39
 +13 Trip 4" BE +29 6.1 BE
 76 98
 +12 5.1 Elh 81
 +10 Tw 4.1 BE 64

49

Road ✓
 18 16

Trees ✓
 35

+92 Tw 8" BE 60
 +96 5-5" BE 43
 +79 Tw 6" BE 64
 +70 8 in 6" BE 50

+41 Quad 8" BE 55
 +55 End Bit Gutter 2.3 - 22
 +13 8-6" BE 43 - 59

48

Bit G Road ✓
 22 +15 19 16
 Ad 28 18 17

+107 8 BE 44
 +05 Trees in Lowland 33

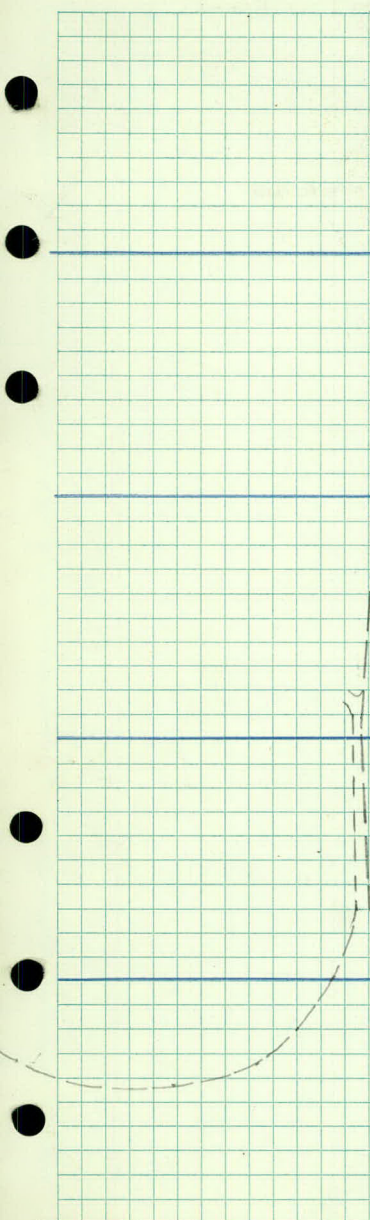
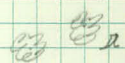
+90 POR 33

+83 POR 43

+78 POR 61

+83 BR 93

u



32

31

30

TOPOGRAPHY

Sign
+27 35-30

Parking Ditch Road
55 23 18 15

⊙16"Oak ⊙10"Oak
+31 44 +39 79
⊙4"Oak ⊙14"Oak +39 12"Oak
+33 55 +29 57 +39 63
⊙10"Oak ⊙14"Oak ⊙16"Oak
+16 62 +16 77 +27 68
⊙4"Oak ⊙10"Oak
+12 51 +04 71

52

+47 Cor. Bit 17
+55 Cor. Bit 53
+46 E. Bit 22
+49 Cor. Bit 90
+30 E. Ent 24 Arch X 33 20
+16 Cor. Bit 17

⊙18"Oak
+92 88
⊙14"Oak ⊙5"Pipe ⊙12"Oak
+95 73 +91 78 +94 73
⊙10"Oak ⊙16"Oak ⊙5"Pipe
+57 21 +87 67 +31 62
⊙10"Oak ⊙12"Oak ⊙14"Oak
+64 57 +54 82 +73 60
⊙14"Oak ⊙12"Oak ⊙18"Oak
+24 62 +42 55 +29 75
⊙8"BE ⊙5"Oak ⊙6"Oak
+17 52 +21 71 +36 56
⊙6"BE ⊙14"Oak
+05 48 +06 66

51

Road
16 16

⊙6"Elm ⊙6"Elm ⊙5"BE
+93 49 +94 34 +95 49
⊙5"Pipe ⊙8"BE
+79 68 +84 82 +89 56
⊙8"BE ⊙10"BE ⊙10"BE
+52 51 +52 79 +63 70
⊙12"BE ⊙25"BE ⊙36"CoH
+63 45 +50 77 +83 33
⊙14"BE ⊙10"BE ⊙6"BE
+43 72 +50 41 +46 68
⊙8"BE ⊙10"BE ⊙6"BE
+32 40 +37 69 +46 43
⊙8"BE ⊙8"BE ⊙8"BE
+23 52 +28 37 +27 62
⊙12"CoH ⊙16"BE ⊙6"BE
+11 39 +23 62 +25 41
⊙8"BE ⊙12"CoH
+09 48 +10 35

E. Ent 24 Arch X 31
+08 29

Road
18 15

⊙5"Elm ⊙6"Elm
+97 43 +05 41

50

FK
WM
DS
FS
LPD

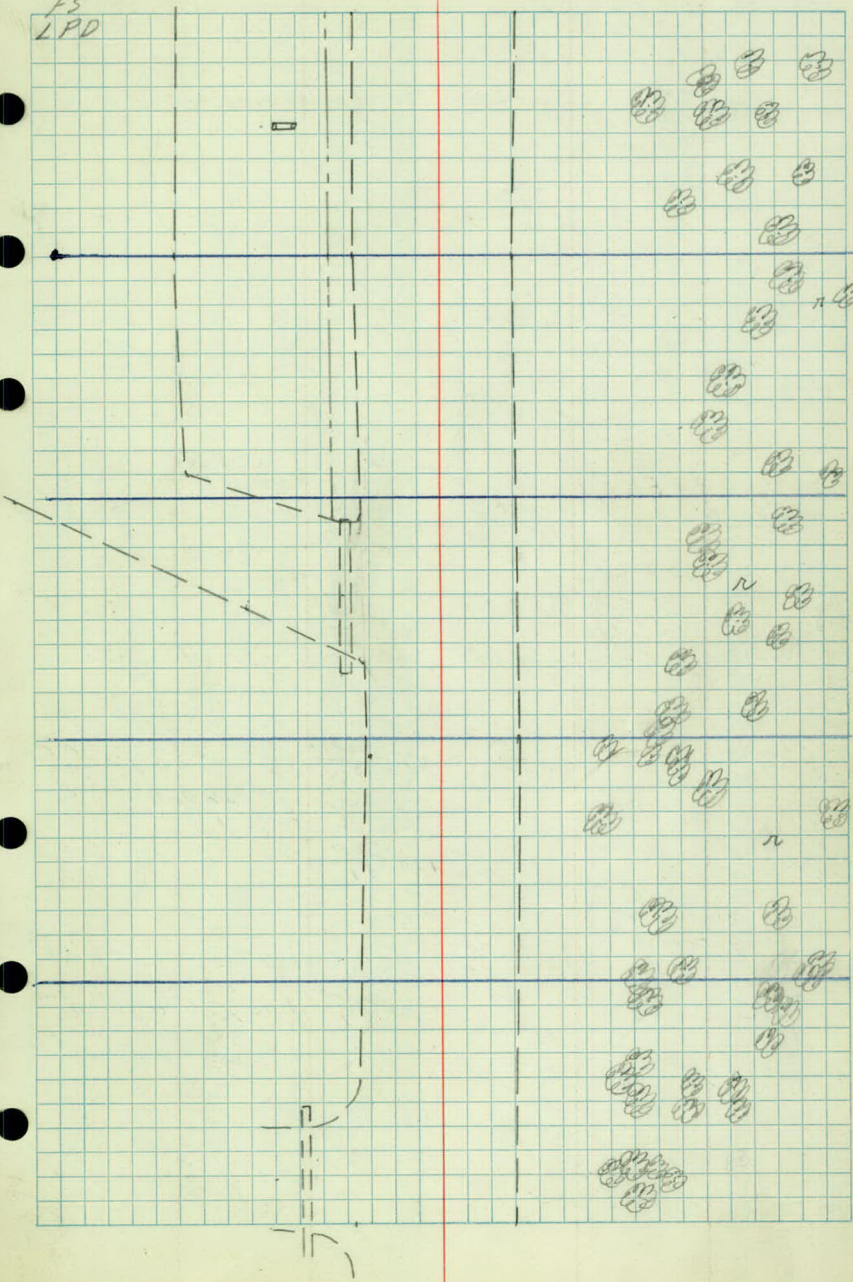
Lt.

£

March 31, 1967

Rt.

8



	Walk	Ent	Ditch	Road
55	83-71	54	23	16 17

+26 SW Cor School
81

+25 MH
51

+19 Cor Conc
71

+104 S.E. 8" Vit.
44

	Drive	Ditch	Road
54	73-54	24	17 18

+74 S.E. 8" Vit.
35

+51 Cor Ditch
24

+51 Cor Bit
17

+25 8" Stp
76

+53 Tw 5" Elm
26

+17 8" Oak
81

+14 Cor Bit
54

+55 Cor Bit
51

+15 8" Oak
81

+16 10" Oak
82

+25 P.O. Dr
36

+17 6" Oak
70

+39 Ent. 30 arch X 24
21

+27 Edge Ditch
25

+14 8" Stp
71

+15 10" Oak
58

+127 Condr
18

+20 A" Oak
35

	Parking	Ditch	Road
53	54	24	18 17

+74 6" Oak
89

+76 8" Stp
67

+79 8" Oak
80

+71 12" Oak
61

+73 8" Stp
72

+80 8" Oak
57

+58 8" Oak
56

+60 A" Elm
24

+80 2" Stp
83

+56 8" Oak
54

+60 Trip 8" Oak
64

March 31, 1967

9



0

4x4 Cone



n



n



+50 Road
33

+42 PP
39

+20 S.W. Cor. Ho.
88

+30 10" Maple
64

+21 1" Maple
46

57

Road
18 52

+90 PP
30

+98 1" P
44

+69 S.W. Cor. Ho.
87

+47 1" P
45

+60 Stub P
74

+34 Gard Post
23

+47 1" P
76

+44 ER
75

+37 E. Edge Wa

+33 Edge
Bit

+28 BR
92

+36 E.E. 24" SCP
20

+37 Gutter
18-20

+44 MH
6

+33 PP
83

+35 Corner
16

+05 MH
36

56

+05 MH
2

+84 POR
20

+88 ER
34

+83 ER
33

+94 W.G.V.
4

+99 BR
59

+71 BR
16

+79 POR
121

+80 Cor. Bit
49

+80 Arc Lt.
30

+77 4' Bit Walk
21

+70 BR
19

+78 Cor Conc
71

+72 Hyd
22

+71 Cor Bit
52

+69 Cor Conc
83

+69 WE 24" SCP Pitch
21

+69 WE 24" Mx14
24

55

April 5, 1967

10

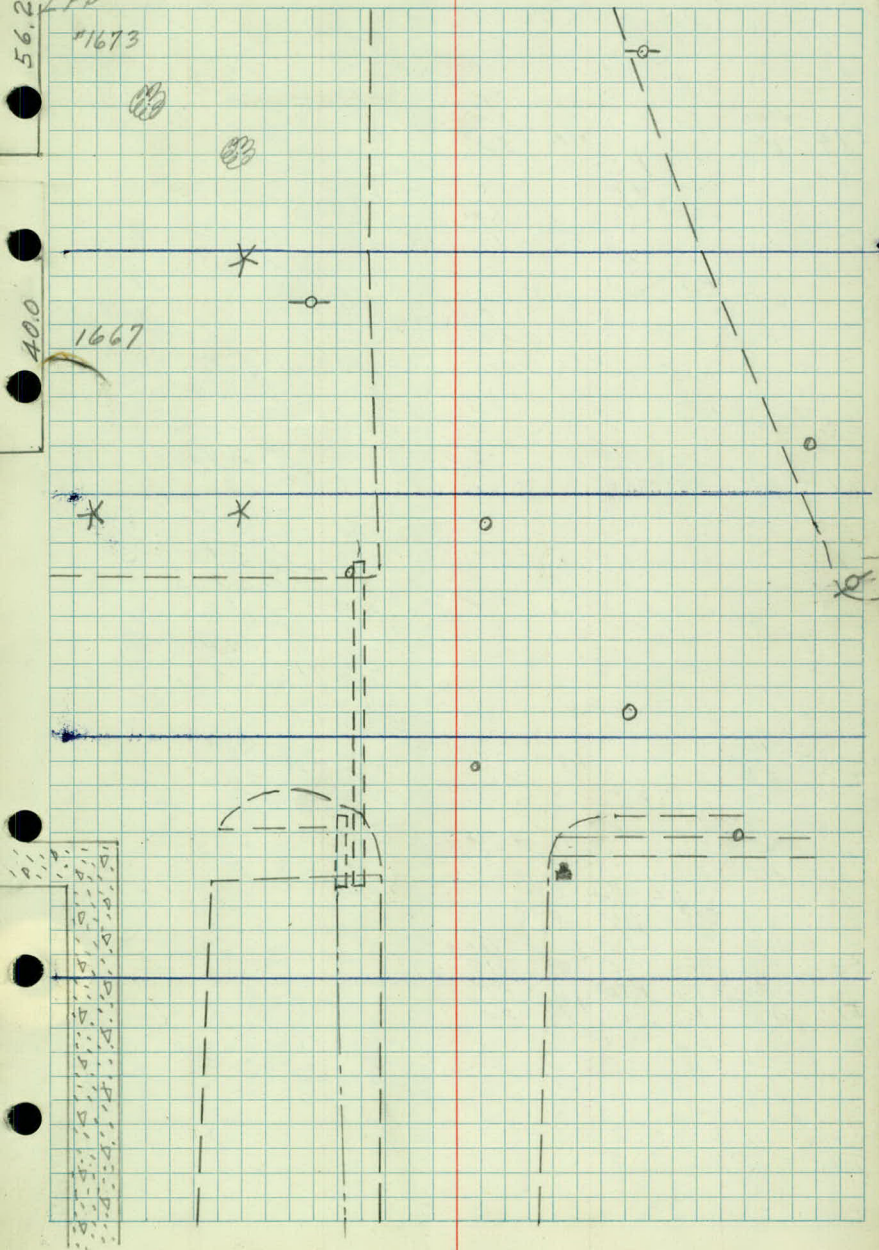
FK
WM
DS
LPD

56.2

40.0

#1673

1667

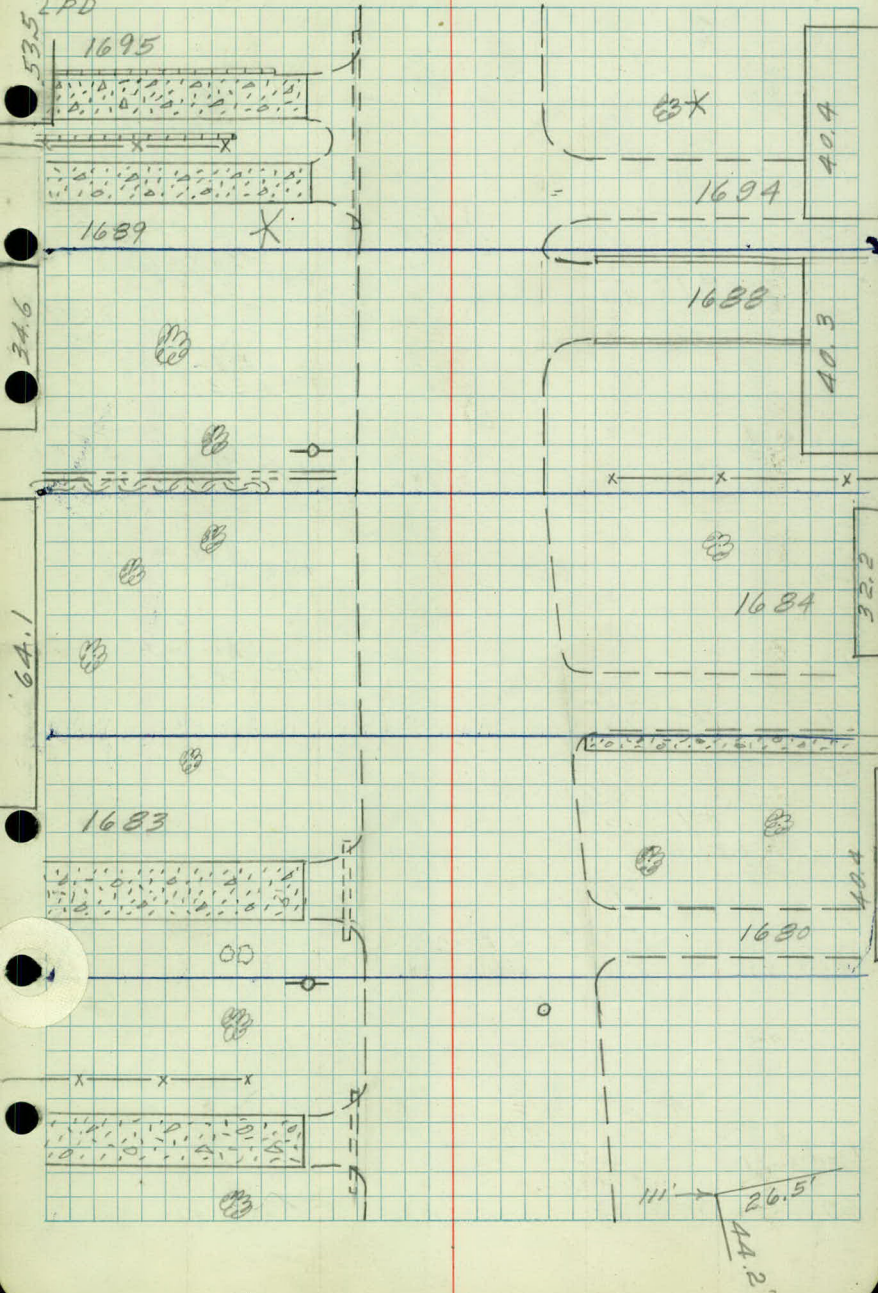


60		<u>Road</u> 19 19	+100 3" Apple
+76 SW Cor Ho	83		
+87 Wall	37		
+73 Wall	46	+82 4" Conc	30
+72 Fe	47		
+155 W.E. 15' x 40' CM	20	+64 4" Conc	29
		+79 2" Maple	45
		+80 2" P	52
+55 4" P	37	+63 4" Ent	20
		2" C. Rock	
+13 SW Cor Ho	88	+40 1 1/4" Elm	59
		+48 Wall	30
		+57 NW Cor Ho	73
+12 8" Maple	47	+31 Wall	30
+103 2' Ex-Ditch	24	+109 PP	29
		+108 NW Cor Ho	73
59	+102 Hedge	<u>Road</u> 20 19	+103 8" Fe
	38		33
			+88 3" birch
			56
		+66 NW Cor Ho	84
+91 7" Ash	50	+57 4" Ent	21
+69 SE Cor Ho	88	+84 8" Apple	67
		+49 4" Walk	27
+67 6" Mt. Ash	25	+31 Tw B' Birch	68
+29 Buckthorn	47 42 12	+45 4" Mulberry	54
		+24 3" birch	41
+18 4" Conc. 15' x 20' CM	31 22	+103 NW Cor Ho	91
58	+105 Buckthorn	<u>Road</u> 18 30	+109 4" Ent
	43 47		30
+91 6" Apple	45	+99 PP	30
		+79 X-Fe	42
			+93 MH
			19
+67 4" Conc. 15' x 20' CM	31 21		
+53 4" Birch	46	+55 NE Cor Ho	111
		+38 R. Ae	Ho

April 10, 1967

11

FK
FS
WM
DS
LPD



+41 Hyd
56

+44 ER
50

+30 8" Elm
66

+45 POR
21

+30 POR
26

+30 E.R
18

+12 8" P
81

+13 BR
21

+27 20" Willow
76

+23 16" Maple
45

62

+100 8" P
79

Road
20 19

+11 N.E. Cor. Ho
100

+97 PP
28

+95 20" Catalpa
75

+95 26" C.E.
44

+80 29" Conc. Ent.
23

+72 Lilac Hedge
36

+93 16" Elm
45

+68 14" Maple
61

+64 S.W. Cor. Ho
89

+68 Fl. Almond
55

+68 16" Maple
43

+52 8" P
70

+25 2" Ent
Bit

+21 Cor. Conc
58-30

+39 Cor. Conc
30

+19 N.W. Cor. Ho
78

61

+103 Cor. Conc
79

Road
18 18

+99 22" S. Live Maple
54

+93 S.E. Cor. Ho.
88

+73 2" Ent
Bit

+92 30" Elm
39

+80 PP
29

+66 N.W. Cor. Ho
69

+68 3" P
52

+77 5 Birch Cluster
45

+50 26" Maple
39

+63 6" Birch
72

+46 10" P
54

+49 Wall
32

+61 8" Birch
22

+33 2" Walk
21

+35 N.W. Cor. Ho
86

+44 2" Ent + 15" x 20" C.W.
21 Bit

+26 2" Ent
Bit

+29 6" P
71

+33 Lilac Hedge
25

+18 Spirea
39

+10 8" P
53

60

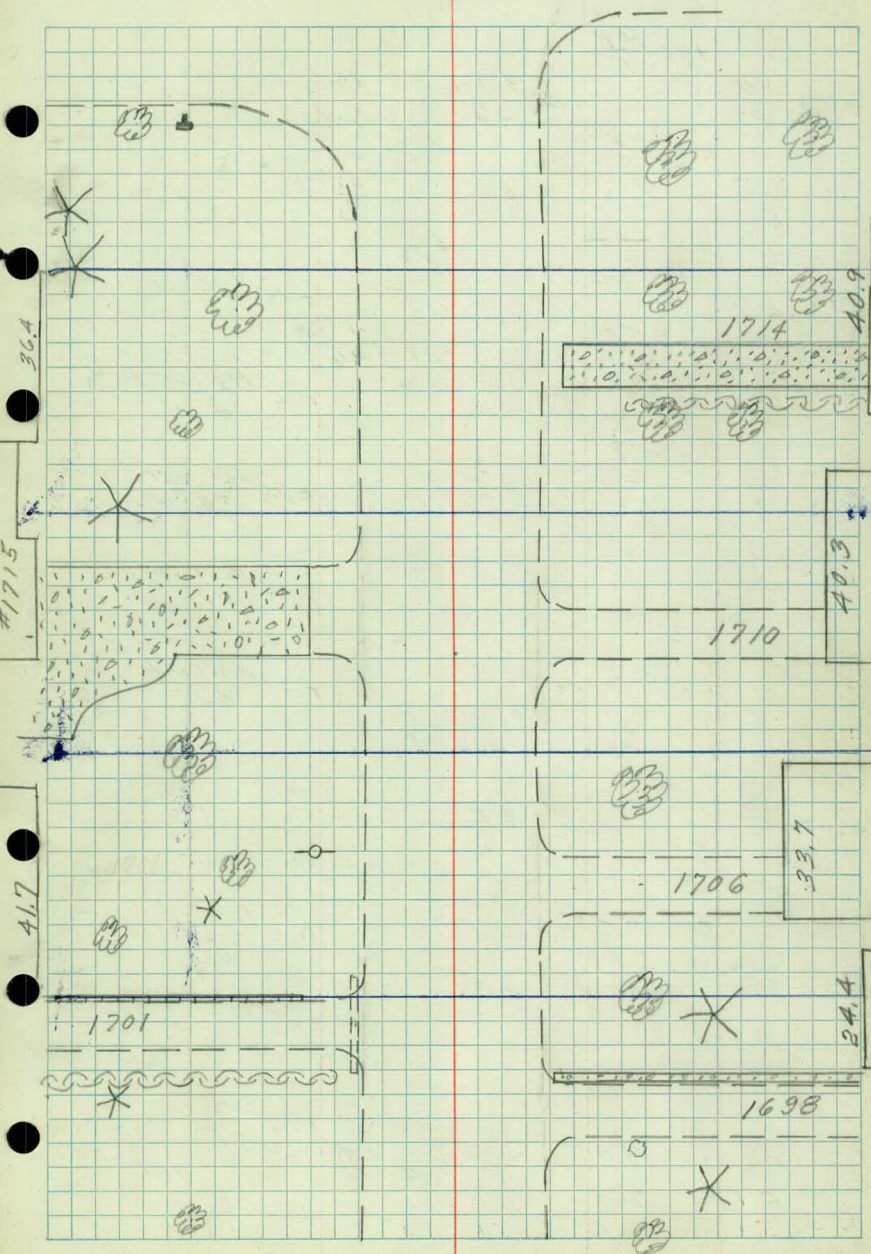
+104 3" Maple
55

19 19

+100 4" Apple
41

April 10, 1967

12



65

Road
21 19+90 MH
5+77 SW Cor. Ho
89+94 3" Mulberry
53+96 £ 10' Conc. Ent.
32+75 6" Elm
54+89 £ Hedge
28+90 28" £
69+77 10" P
45+78 8" £
28+78 Cor Hedge
28+34 PP Stamp
27+42 Yard Light Planter
39 2.7 x 3.7+33 PP
29+37 £ 4' Walk
36+32 N.W. Cor. Ho
64

64

Road
22 18+23 £ Ent
Dirt+94 £ 4' Walk
36+94 8" P
71+73 N.W. Cor. Ho
64+64 10" Catalpa
59+64 £ Ent
Bit+42 8" Maple
76+63 8" P
76+12 S.W. Cor. Ho
91+14 PP
28+12 8" P
54+11 N.W. Cor. Ho
63+16 £ 4' Walk
38

63

+12 ER
2323+09 WSD
27+99 ER
21+89 POR
31+82 BR
43+86 POR
24+52 GV
51+81 BR
51+53 ER
39

April 10, 1967

13

44.0

1741



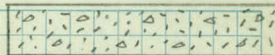
OR



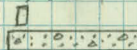
1725



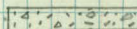
OR



1734



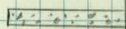
38.2



1928

38.3

1722



38.3

+24 B. Wall	+47 Cor. Wall	+22 8" P	+24 NW Cor. Ho
62	63	75	78
+28 4" W. Wall	+21 2" Walk		
65	54		
+107 PP	+11 8" Conc. Ent	+21 10" E	
28	33	24	
+109 SW. Cor. Ho.	+102 Cor. Hedge		
88	36		
+103 Ent Ribbon	Road		
28	22 19		
+97 Conc. Ent Ribbon	+83 5" P	+92 8" P	+97 26" Elm
29	43	84	58
+82 6" Birch	+57 Honey Suckle	+68 55	+66 B. Hedge
59	32	55	94
+154 SW. Cor. Ho	+36 NW Cor. Ho	+41 32	+51 Rose
89	78	32	32
+56 6" Birch	+28 11" Conc. Ent	+34 4" Walk	
60	39	49	
+49 3" P	+15 9" P	+22 Conc. Dr.	+21 10" P
62	49	62	56
+49 6" P	+16 8" P		
53	77		
+36 28" Conc. Ent	+44 4" Fe	+13 6" P	+14 Cor. Privet
27	50	66	86
+26 4" Maple		+12 6" P	
58		57	
+24 W. E. 12" x 22" CM	+00 18" Maple		+00 22" Elm
21	58		69
+102 Wall	Road	+100 12" Ash	+100 6" Elm
73	20 19	35	52
+85 PP	+99 4" Ash		
29	58		
+80 6" E	+85 6" E		
58	37		
+76 6" E	+80 6" E		
45	73		
+68 4" E	+70 6" E		
45	55		
+62 6" E	+63 6" E		
46	77		
+57 6" E	+50 26" Maple		
68	35		
+39 3" Elm	+47 18" E		
52	68		
+107 3" Walk	+36 10" Conc. Ent	+44 NW. Cor. Ho	
63	35	78	
+102 Wall	+29 Cor. Hedge		
73	28-50 Ed		
+107 22" E	+03 B. Hedge		
67	28		
+24 22" E			
40			
+03 N. W. Cor. Ho.			
71			

FK
LPD

Nov. 9, 1967

①

NEW TOPOGRAPHY

22 Walk
+49 29

+12 C.Bit
33

+15 C.Bit
18

+12 WGV
10

+05 MH
19

+07 PP
31
B.F
18

2

+75 Cor.Bit
18

+83 C.Bit
30

+76 TP
31

+59 WGV
7

Conc. Ent.
+45 33'

+40 WGV
31

1
Bit
18-18

+82 PP
33

+48.5 Cor Conc
17.6

+47 Cor.Bit
24

+53 Cor Conc
22

+43 Arc Light
39

+33 E. Gutter
28

+32 Cor.Bit
28

Bit New Conc 25 24 Bit

0+00

Nov. 9, 1967

20
(2)

2' Tile

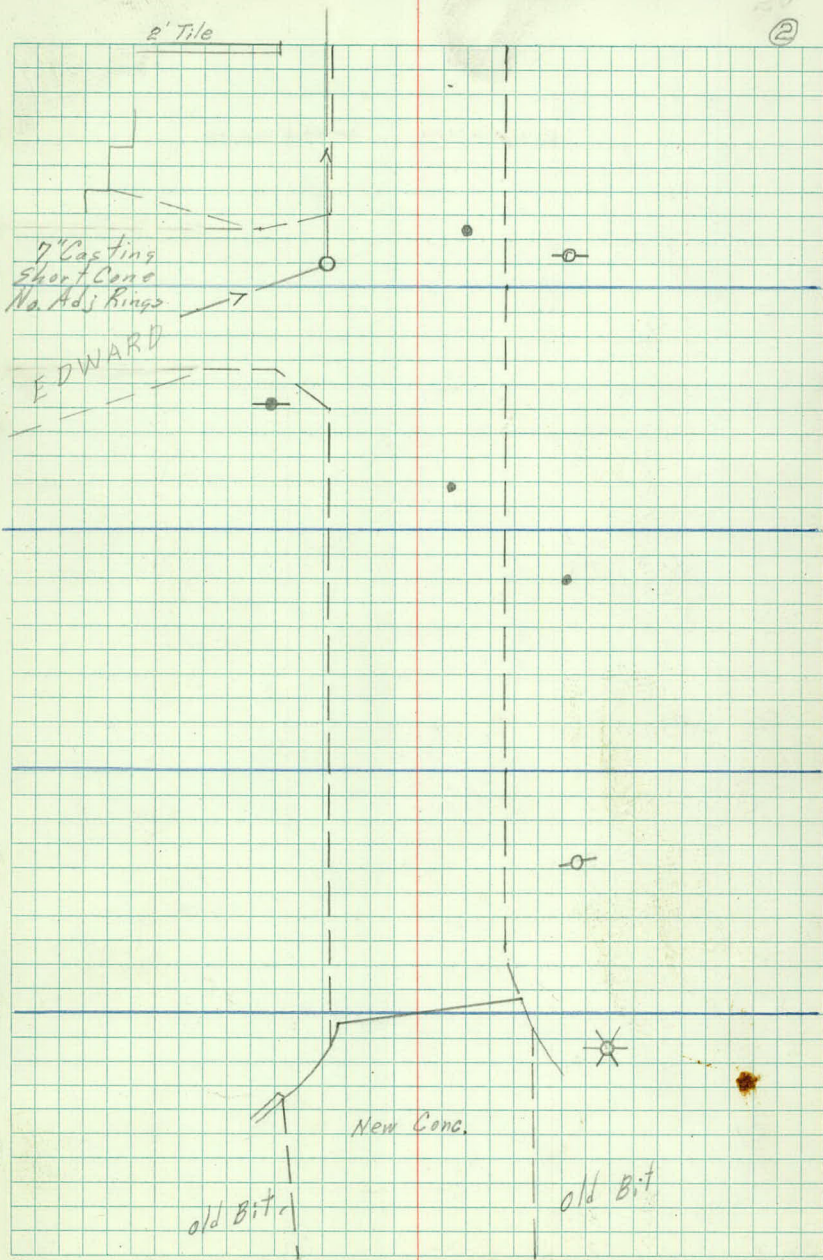
7" Casting
Short Cone
No Adj Rings

EDWARD

New Conc.

old Bit

old Bit



25

Bit
19 18

✓
+49 4 Walk
29

✓
+66 W50
28

✓
+42 2 Bit Ent
32

✓
+21 MH
20

24

✓
Bit
19 18

✓
+93 Conc Ent
39

✓
+72 PP
32

✓
+20 PP
32

✓
+18 C. Bit
30

✓
+25 C. Bit
18

✓
+19 Conc. Ent
43

33

✓
Bit
18

✓
+07 MD
11

✓
+90 CB
38-43

✓
+90 WGV
32

✓
+79 C. Bit
18

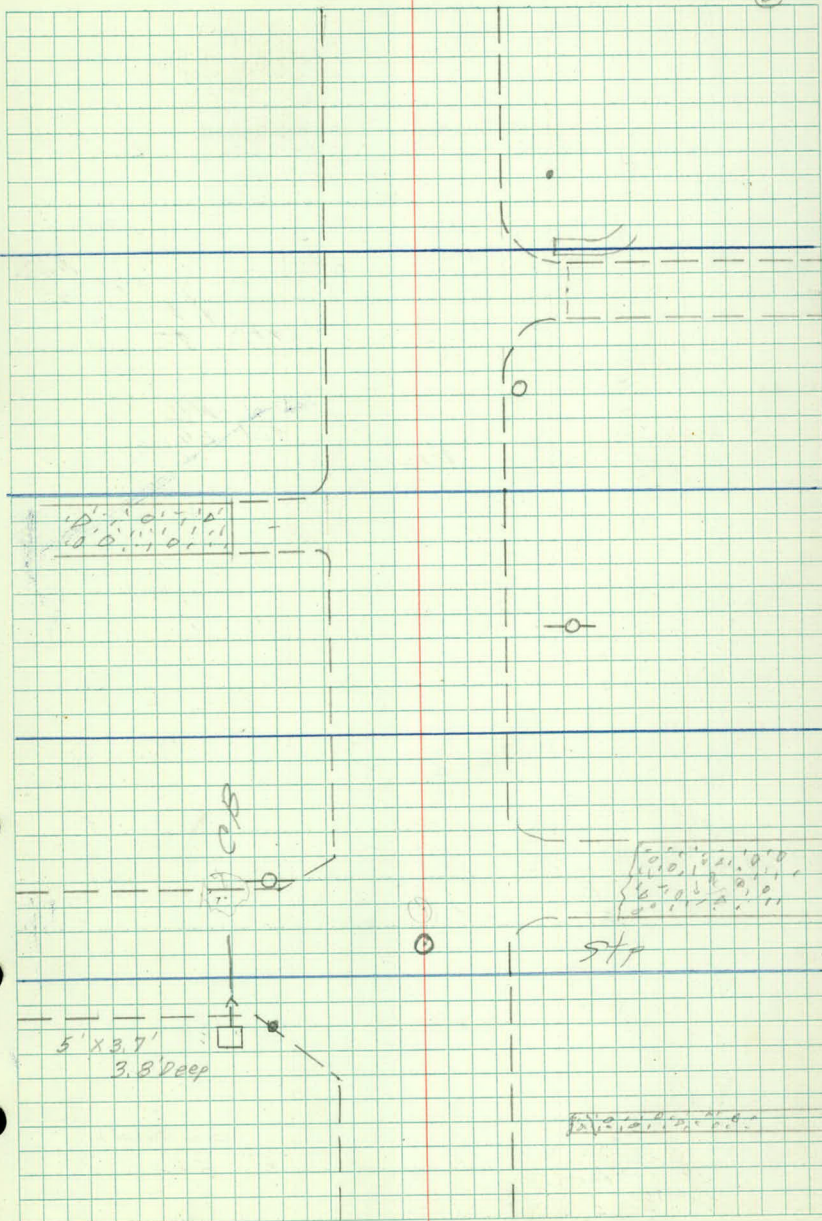
✓
+92 C. Bit
35

✓
+70 4 Walk Broken
30

Nov. 14, 1967

21

(3)



✓
+50 Conc Ent
29

7 +05 Conc Ent Bit
30 19 18

✓
+92 ER
18

✓
+81 BR
36

✓
+72 MH
42

?
+17 M.H
33

✓
+67 MH
20

✓
+53 ER
43

✓
+41 BR
19

+20 BR
36

✓
+32 ER
18

✓
+20 Face CB
42.4-47.4

✓
+17 Walk
33

✓
+02.5 Face CB
18.2

6

✓
+86 PP
31

✓
+90 Face CB
46.4-46.4

✓
+90 ER
29

✓
+68 BR
19

✓
+77 MH
2

✓
+86 Conc Ent
33

✓
+60 Face CB
18.2

✓
+36 2-WSO
26.5

✓
+24 Ent Ribans
33

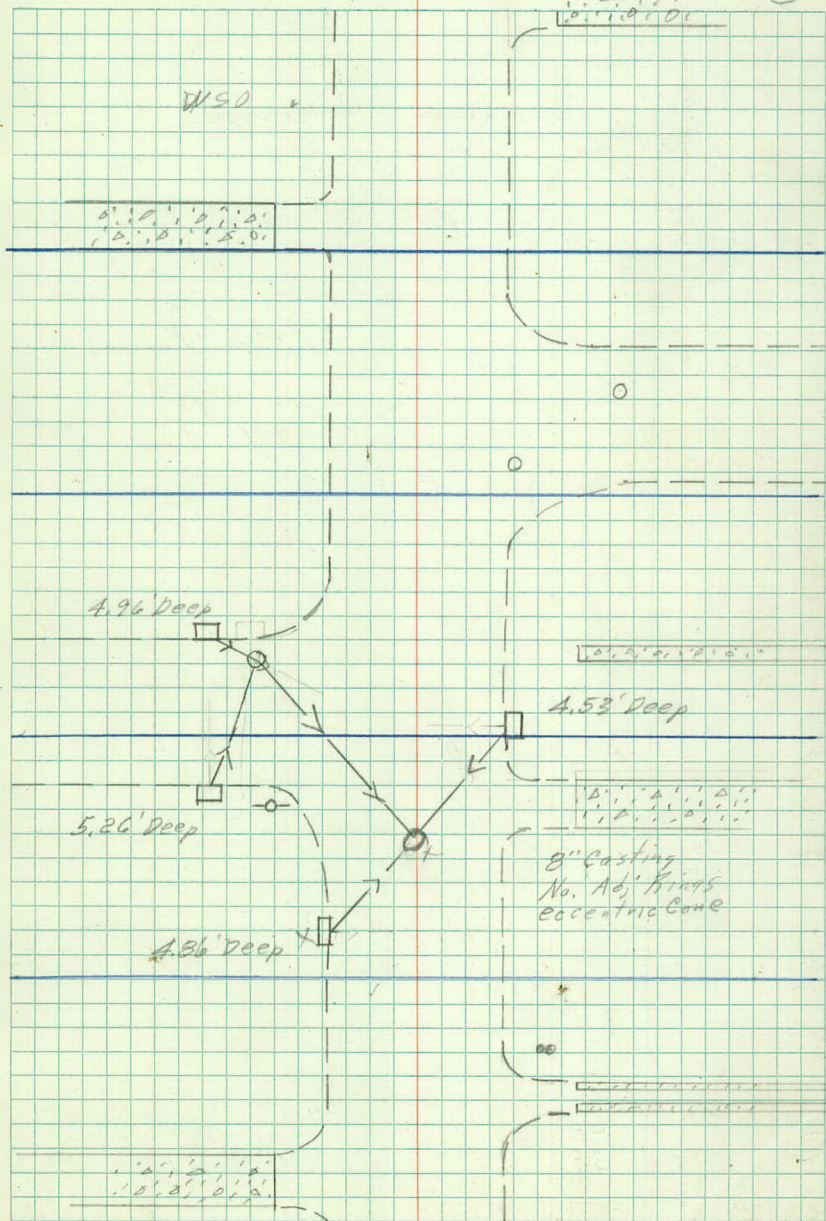
35

✓
+08 Conc Ent
30

Nov. 14, 1967

22

(4)



10

$$\frac{B_i + f}{18}$$

$$+96 \frac{38}{BR}$$

$$+67 \frac{36}{ER}$$

$$+675 \frac{CB}{30.1}$$

$$+56 \frac{MH}{1.5}$$

$$+75 \frac{PP}{32}$$

$$+67 \frac{E.B.C}{42}$$

$$+56 \frac{BRC}{18.2}$$

$$+74 \frac{ER}{19}$$

$$+67 \frac{BR}{30}$$

$$+51.5 \frac{Broken Bag Walk}{12.4}$$

$$+38 \frac{E.B.C}{47}$$

$$+60.5 \frac{MH}{18}$$

$$+37 \frac{ER}{25}$$

$$+41 \frac{GGV}{35}$$

$$+39.5 \frac{CB}{18.0}$$

$$+27 \frac{Face CB}{18.4}$$

$$+30 \frac{BR}{18}$$

$$+07 \frac{B_i + Ent}{29-18}$$

9

$$\frac{B_i + f}{18-18}$$

$$+42 \frac{Walk}{30}$$

$$+48 \frac{212' B_i + Ent}{18-34}$$

$$+25 \frac{2 Alley New to}{30'}$$

8

$$\frac{B_i + f}{19-18}$$

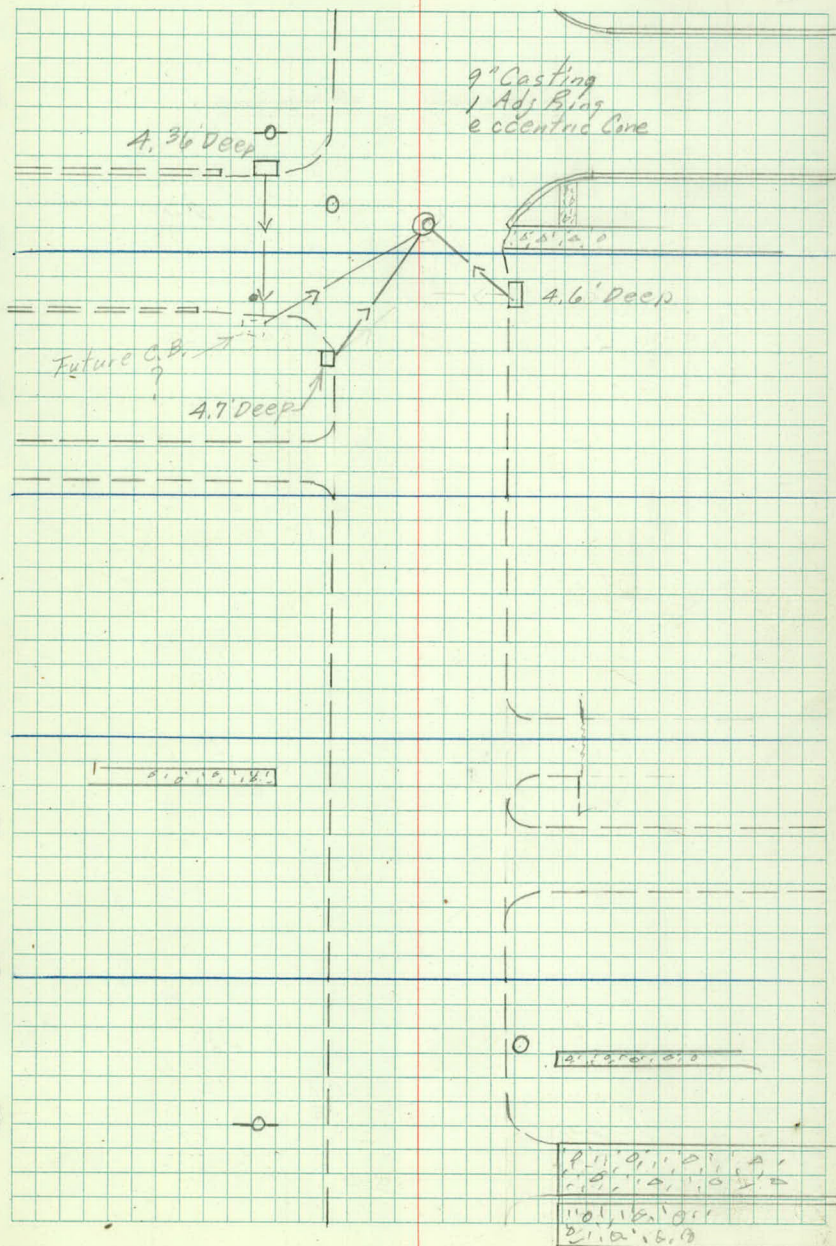
$$+84 \frac{Walk}{29}$$

$$+87 \frac{MH}{21}$$

$$+70 \frac{PP}{33}$$

$$+62 \frac{Conc Ent}{29}$$

⑤



12

✓
 $\frac{\text{Bit}}{18-18}$

✓
 $+03 \frac{\text{Walk}}{22}$

✓
 $+39 \frac{\text{W50}}{24}$

✓
 $+45 \frac{\text{Tile Walk}}{20}$

✓
 $+55 \frac{\text{Ent Ribuns}}{29}$

✓
 $+32 \frac{\text{New Bit Ent}}{19-31}$

✓
 $+39 \frac{\text{New Bit Alley}}{18-31}$

✓
 $+23 \frac{\text{Conc Ent}}{28}$

11

✓
 $+99 \frac{\text{PP}}{32}$

✓
 $\frac{\text{Bit}}{19-18}$

✓
 $+41 \frac{\text{New Double Ent}}{18-23 \text{ Bit}}$

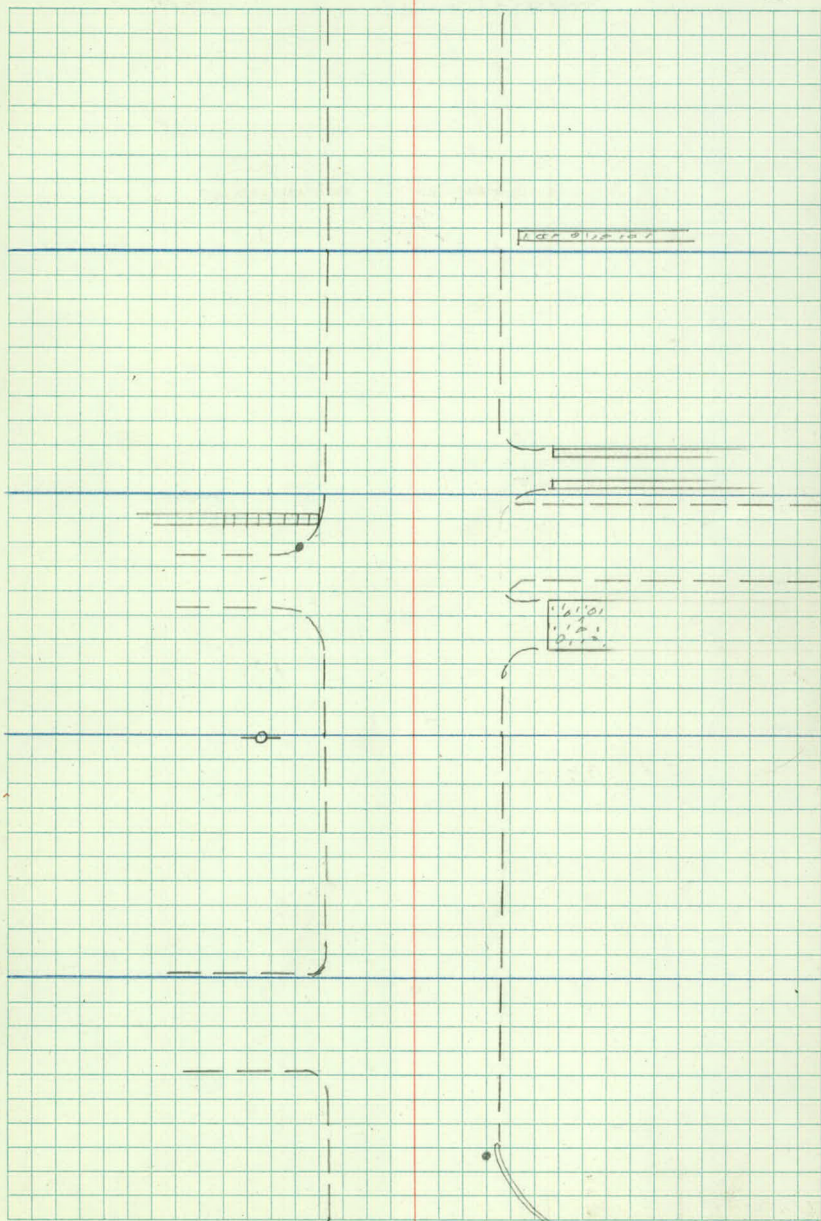
✓
 $+13 \frac{\text{GV}}{15}$

✓
 $+16 \frac{\text{ERC}}{17}$

10

Nov. 14, 1967

(6)



15

$$\frac{B.t}{19 \ 18}$$

$$+55 \ \frac{B.t \ Ent}{18-23}$$

$$+42 \ \frac{14' \ B.t \ Ent}{18 \rightarrow}$$

14

$$\frac{B.t}{18 \ 19}$$

$$\begin{array}{l} \downarrow \\ \text{Face CB} \\ +36 \ 18.6 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{Face CB} \\ +37 \ 18.1 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{PP} \\ +21 \ 28 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{ER} \\ +18 \ 19 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{MH} \\ +08 \ 35 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{MH} \\ +07.5 \ 1 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{ER} \\ +12 \ 32 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{MH} \\ +96 \ 19 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{MH} \\ +97 \ 27 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{ER} \\ +81 \ 39 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{BR} \\ +70 \ 18 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{TP} \\ +72 \ 33 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{WGV} \\ +87 \ 31 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{Ent B.t} \\ +18 \ 23-18 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{R. R. P. C.} \\ +98 \ 39 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{MH} \\ +08 \ 35 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{ER} \\ +12 \ 32 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{MH} \\ +96 \ 19 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{MH} \\ +97 \ 27 \end{array}$$

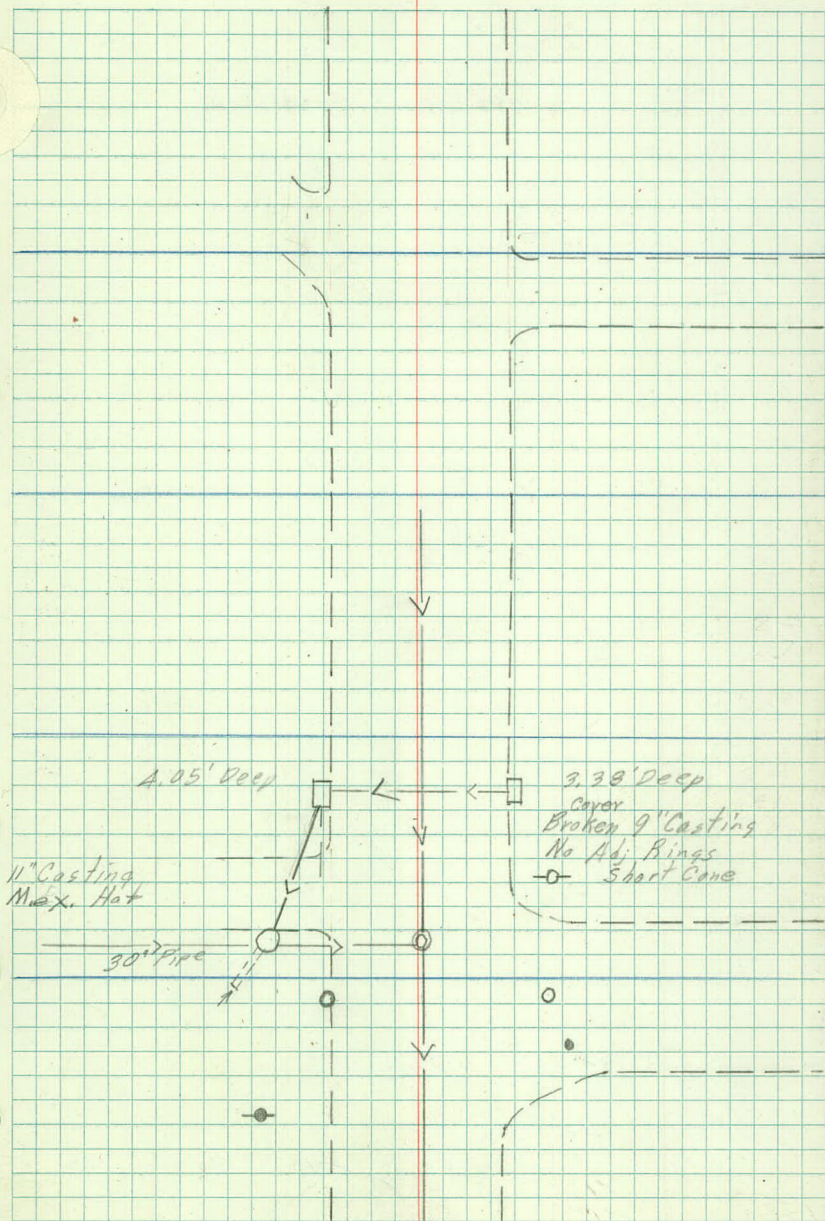
$$\begin{array}{l} \downarrow \\ \text{ER} \\ +81 \ 39 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{BR} \\ +70 \ 18 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{TP} \\ +72 \ 33 \end{array}$$

$$\begin{array}{l} \downarrow \\ \text{WGV} \\ +87 \ 31 \end{array}$$

⑦



Face C.B.
+85 22.5

$$\begin{array}{r} +80 \\ \hline 16 \end{array}$$
$$\begin{array}{r} +54 \text{ BK} \\ \hline 48 \end{array}$$

+33 $\frac{MH}{35}$

$$+32 \quad \frac{M + 1}{19}$$

Face C B
+ 11 51-56

$$\begin{array}{r} 10 \\ +10 \\ \hline 20 \end{array}$$

16

$$\begin{array}{r} +98 \quad \frac{BR}{19} \end{array}$$

15

401 $\frac{PP}{31}$

✓ Face CB
+ 85 18.2

$$+54 \quad \frac{CB}{52-57}$$
$$+75 \frac{GV}{16}$$
$$+47 \frac{BR}{34}$$

+67 $\frac{ER}{16}$

+11 $\frac{C: B: 1}{66}$

$$+22 \frac{MH}{53}$$
$$\begin{array}{r} +19 \quad C.B. \div 4 \\ \hline 67 \end{array}$$

Face C, B
710 522-572

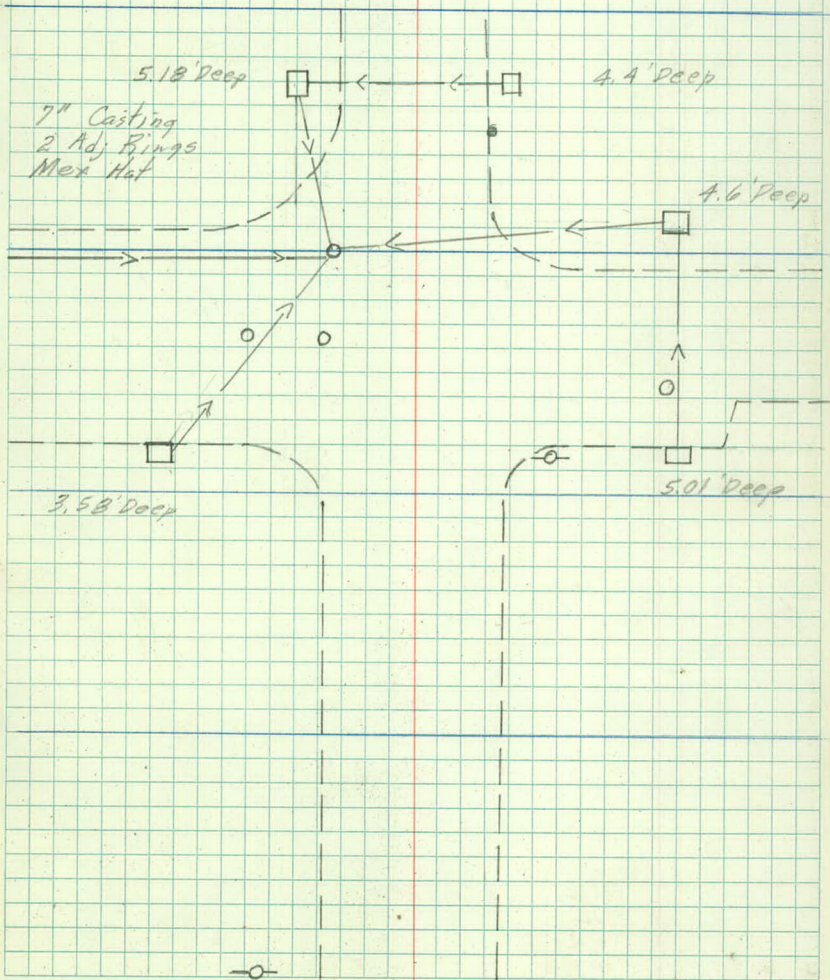
+08 $\frac{PP}{29}$

$$\begin{array}{r} 410 \overline{) ER} \\ 29 \end{array}$$

+98 $\frac{BR}{18}$

Nov. 14, 1967

(8)



20

$$+72 \frac{\text{Face CB}}{22}$$

$$+72 \frac{\text{CB}}{19}$$

$$+68 \frac{\text{MH}}{48} \text{ Type II}$$

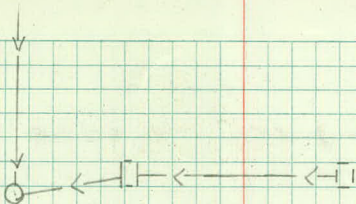
19

18

FK
WM
LPD

Nov 17, 1967

(9)



22

21

111 CB
46

20

Nov. 17, 1967

(10)

O
↓
Y

$$+56 \frac{C.B}{20}$$

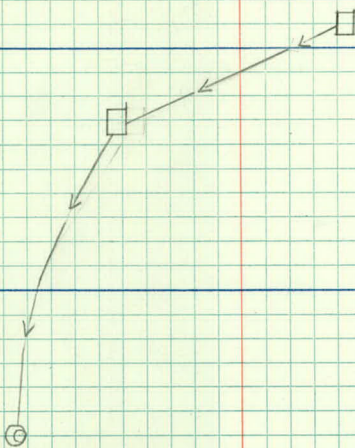
$$+36 \frac{C.B}{24}$$

23

$$+69 \frac{MH}{47}$$

Nov. 17, 1967

(11)



$$\begin{array}{r} \checkmark \\ +79 \quad \underline{3-18'' \text{Cott.}} \\ 59 \end{array}$$

$$\begin{array}{r} \checkmark \\ +47 \quad \underline{4-6'' \text{BE}} \\ 61 \end{array}$$

$$\begin{array}{r} \checkmark \\ +21 \quad \underline{3-24'' \text{Cott.}} \\ 57 \end{array}$$

$$\begin{array}{r} \checkmark \\ +04 \quad \underline{16'' \text{Willow}} \\ 57 \end{array}$$

43

$$\begin{array}{r} \checkmark \\ +90 \quad \underline{2-8'' \text{BE}} \\ 36 \end{array}$$

$$\begin{array}{r} \checkmark \\ +99 \quad \underline{8'' \text{Willow}} \\ 54 \end{array}$$

$$\begin{array}{r} \checkmark \\ +82 \quad \underline{2-6'' \text{Elm}} \\ 35 \end{array}$$

$$\begin{array}{r} \checkmark \\ +63 \quad \underline{4-14'' \text{Willow}} \\ 58 \end{array}$$

$$\begin{array}{r} \checkmark \\ +47 \quad \underline{2-5'' \text{BE}} \\ 48 \end{array}$$

$$\begin{array}{r} \checkmark \\ +32 \quad \underline{7-8'' \text{BE}} \\ 49 \end{array}$$

42

$$\begin{array}{r} \checkmark \\ +75 \quad \underline{9'' \text{BE}} \\ 58 \end{array}$$

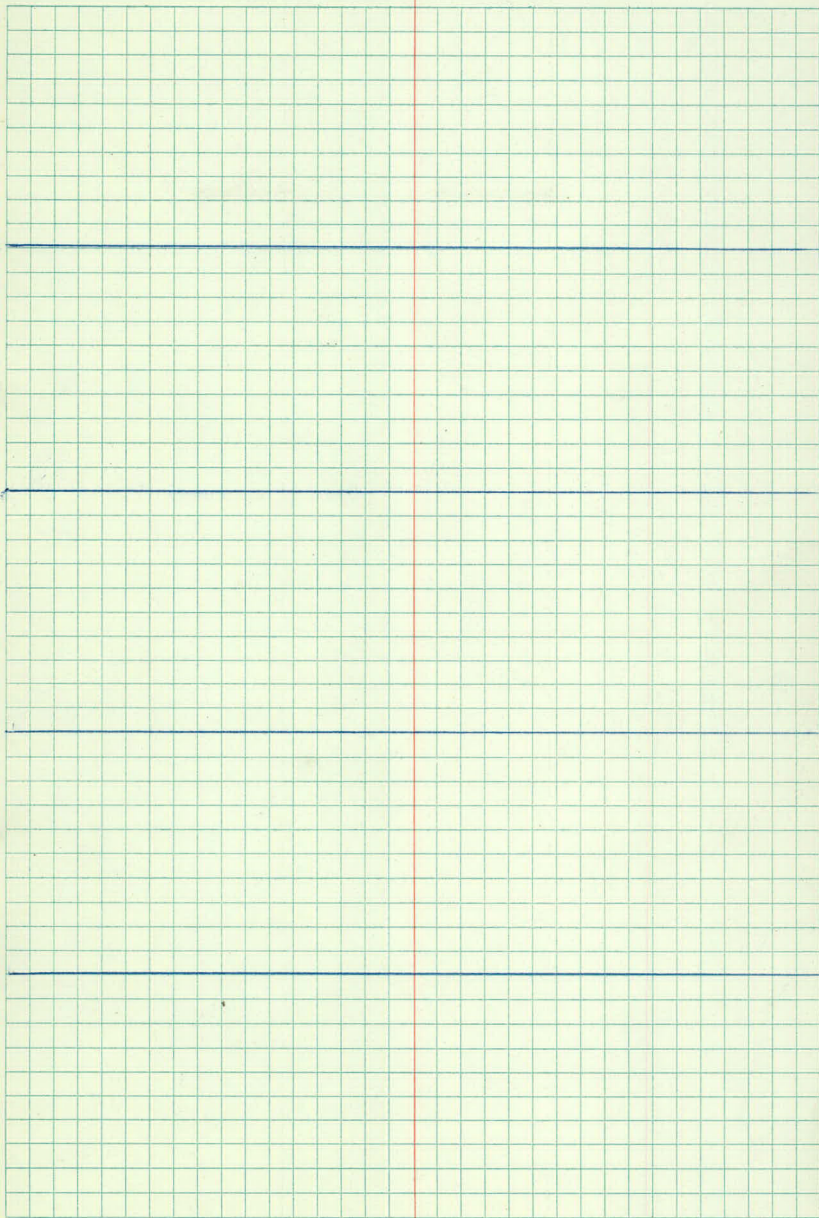
$$\begin{array}{r} \checkmark \\ +60 \quad \underline{7-8'' \text{B.E.}} \\ 41 \end{array}$$

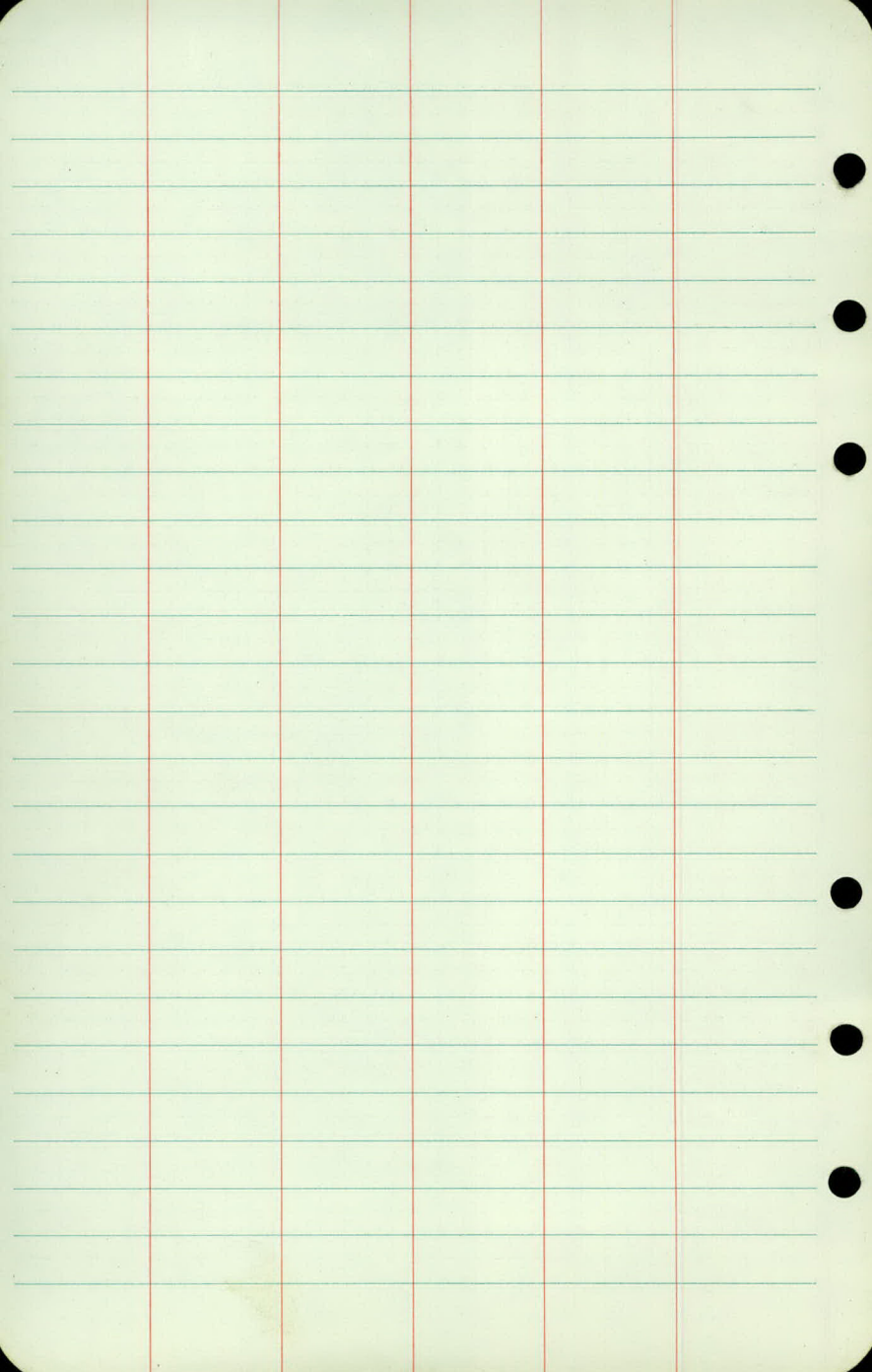
41

FK
WM
LPD

Nov. 15, 1967

(12)





FX
LPD
HL
GM

August 15, 1967

1

Larpenteur Road Widths

East Shore Drive

to

English

1 page

Road
Lt. Rt

16 23 23

15 21 15

14 20 14

+34

ER

15

+12

BR

35

13 16

+83

ER

33

+63

BR

17

12 16 16

11 17 17

10 16

March 14, 1967

Road Location

Left & Right

1	19	
+75	15	
2+25	27	
3+30	21	17
4	20	16
5	20	
6+20	19	
7	20	
8	19	
9	19	17
10	18	
11	18	17
12	18	
13	19	
14	21	16
15		
16	26	
17	16	17
18	16	15
19	17	16

other points still covered by snow beyond 16' or 17' Rt.
not able to locate the exact edge of bituminous at this time

Sta

Lt $\frac{\$}{\text{L}}$ Rt

20

18

—

+40

15

21

18

16

22

17

Bench Levels

Prosperity to White Bear Ave.

Sta + π - Elev

BM 0.06 925.44 925.38

T.P. 13.52 935.33 3.63 921.81

BM 13.08 948.34 0.07 935.26

TP 12.52 959.41 1.45 946.89

BM 2.34 958.46 3.29 956.12

TP 2.84 949.93 11.37 947.09

BM 8.05 941.88 941.78

34.36

27.86

16.50

27.86

925.38
6.50
931.88

BM 1.83 957.82

955.99 Top Hy d

BM

3.88 953.94 RR Spkr

953.92

FK
LPD
WJ

April 25, 1967

20

Top Hyd S.W. Corner Prosperity & Larpenteur

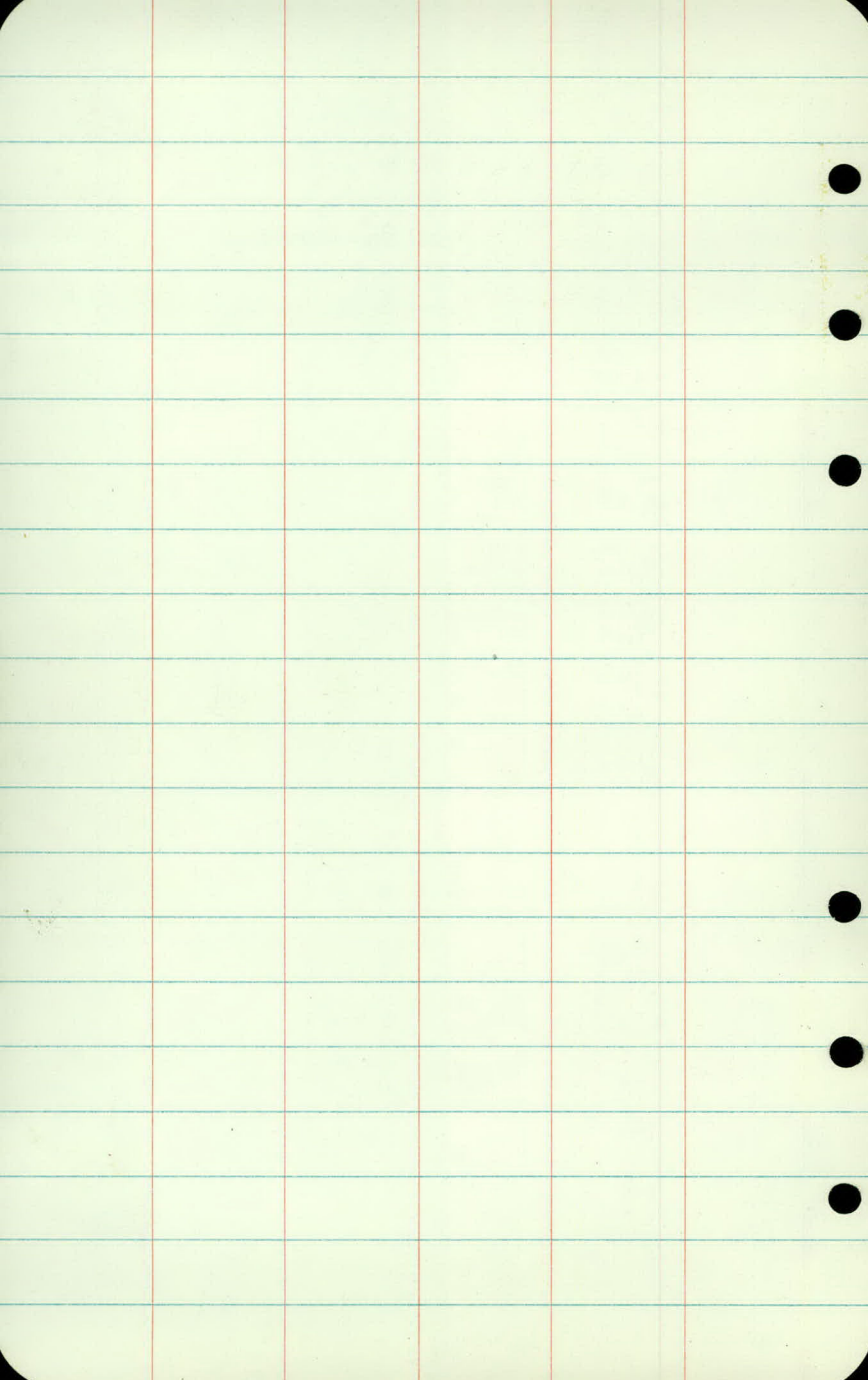
Top Hyd S.W. Corner Kennard & Larpenteur

Top Hyd N.W. Corner Flandrau & Larpenteur

N.E. Cor. Conc Ent.

Top Hyd S.W. Corner White Bear Ave. & Larp.

Flandrau



Nov. 16, 1967

2 Pine Trees

LARPEUR

43+00

+19 additional Info.

+58

44

1+77 12" Pine 51' Rt

1+91 12" Pine 61' Rt

2+04 3" Pine 50' Rt

2+20 3" Pine 49' Rt

2+41 3" Apple 50' Rt

Sta + π - Elev

T.P.

£

43+00

+19

✓

+58

✓

44 for check

£

£

Nov. 16, 1967

RT

17.1	19.3	19.6
59	82	107

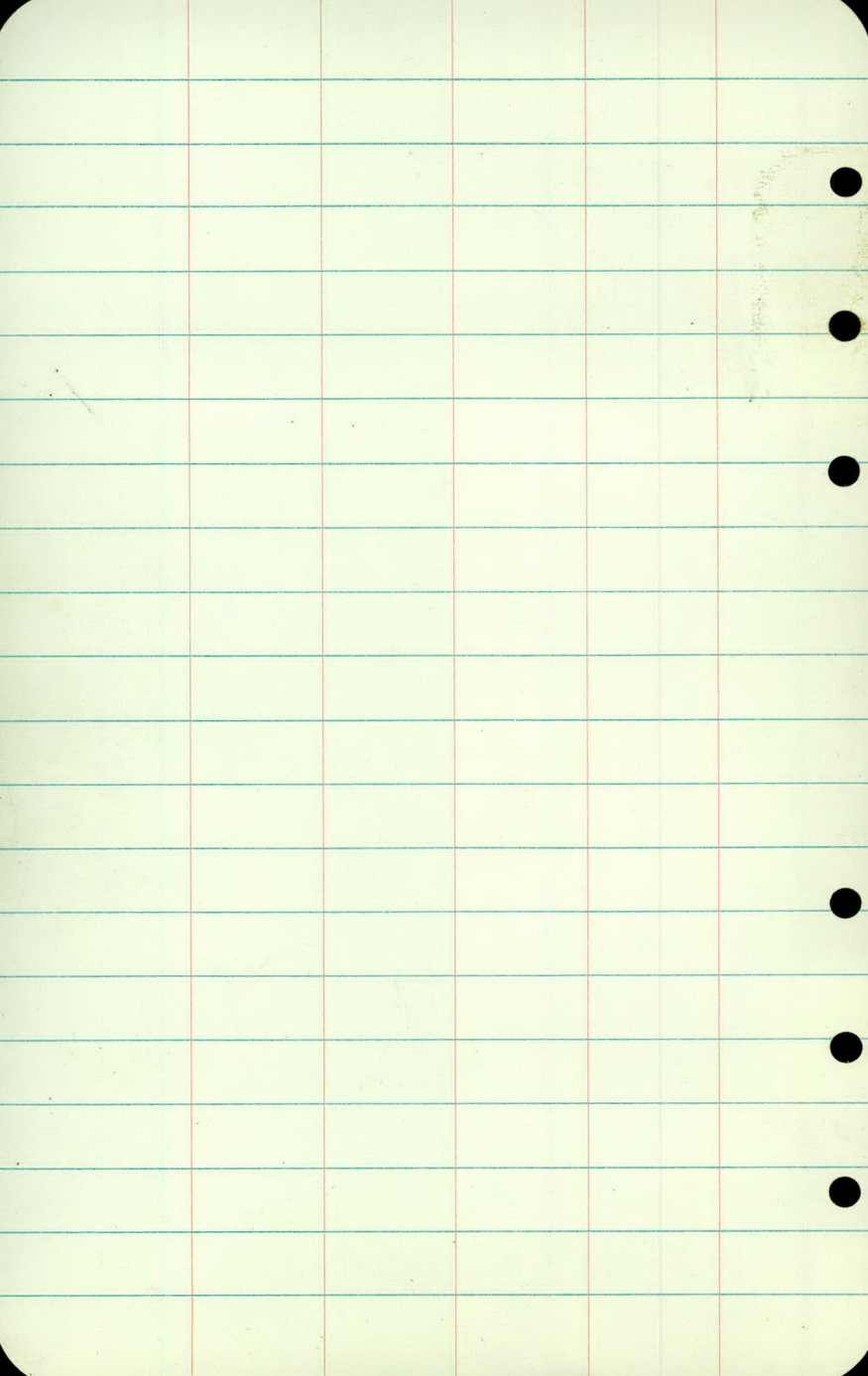
3.4	3.6	3.8	3.9	3.1
10	13	16	31	

9.5	7.9	1.6
101	83	54

2.2	2.5	2.7	3.3	3.1	2.4
10	13	16	18	34	

0.0	0.3
71	66

0.8



March 14, 1967

1

Larpenneur

East Shore Drive
to

Prosperity Ave

Elevations

Sta + π - Elev.

BM 10.63 893.98 883.35

0+00 Road 10.6 83.4

+35 10.4 83.6

+50 10.0 84.0

BM 0.59 893.39 893.41

B.M. 0.28 891.94 891.66

4+22 MH 19' Rt 5.32 86.62

6+74 MH 40' Rt 7.48 84.45

BM 4.99 886.95 886.95

BM 2.48 884.32 881.84

9+82 MH 50' Rt 6.10

10+00 $\angle$ 5.55

March 14, 1967

2

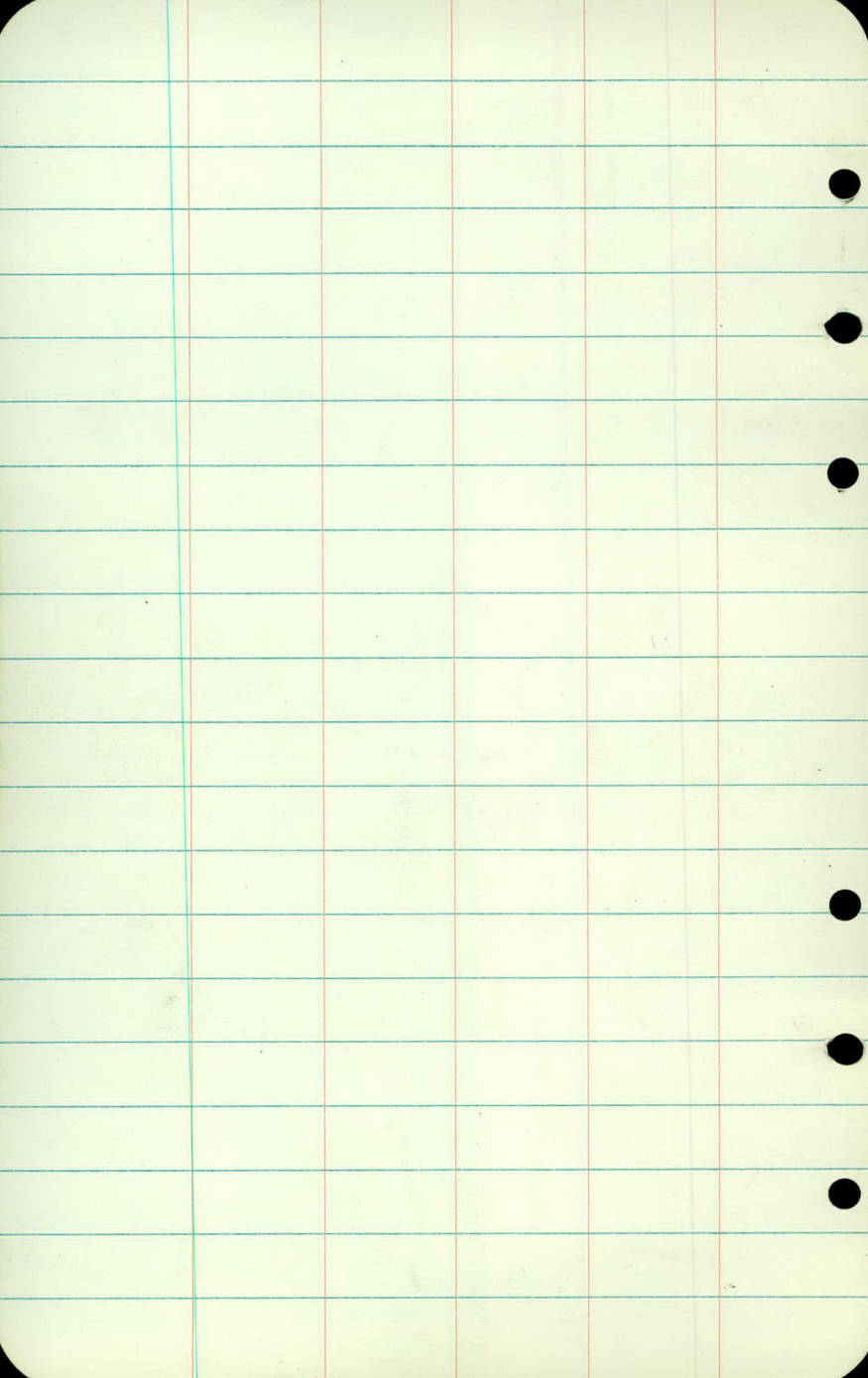
Bolt at 0+00

Top Hyd Rt Sta 1+

Top Hyd N.W. Corner Frank St + Larpenteur

Top Hyd S.W. Corner Duluth + Larpenteur

Top Hyd S.W. Corner Atlantic & Larpenteur



1

New x-sections

Sta + π - Elev.

BM 2.06 879.84

877.75

12+66 W. Property Line

+81 Gutter Line

+96 L Chambers

✓

13+06 MH 35' Lt 6.68 73.1

+12

+13

FR
WM
DS
FS

3-27, 1967

Lt.

E

Rt.

2

Top Hyd S.W. Cor. Chambers & Larp

71.2	71.3	73.3	74.3	74.3	74.4	74.3	74.1	74.3	74.7	74.8
8.6	8.5	6.5	5.5	5.5	5.4	5.5	5.7	5.5	5.1	5.0
50	31	20	18	13		10	18	22	40	50

71.1	71.3	72.7	74.4	74.3	74.4	74.3	73.9	73.9	74.6	74.0
8.7	8.5	7.1	5.4	5.5	5.4	5.5	5.9	5.9	5.17	5.8
50	31	24	17	13		10	20	37	41	50

C.B
24.6

73.2	74.6	74.3	74.3	74.3	74.3	74.3	74.4	74.6
6.6	5.12	5.5	5.5	5.5	5.5	5.5	5.4	5.2
24	19	16	12		10	21	39	50

MH

72.0	69.8	70.4	71.3
7.8	10.03	9.4	8.5
35	39	44	50

Inv 12 CM

72.8	73.4	74.4	74.0	74.2	74.3	74.2	74.2	73.9	73.7	74.0
7.0	6.4	5.4	5.8	5.6	5.5	5.6	5.6	5.9	6.1	5.8
50	32	21	19	14		10	17	33	43	50

Duplicate +12

74.3	74.2	74.0	74.5	74.5	74.8
5.5	5.6	5.8	5.3	5.28	5.0
10	27	29	41	50	

CB
Carb

Sta + π - Elev.

879.84

13+25

+34 Top Wall Rt

✓

+35 Bottom of Wall

✓

+70

March 27, 1967

3

1+

2

Rt

12.7	13.0	14.0	14.4	14.0	14.2	14.3	14.2	14.1	14.9	14.9	15.0
71	68	58	54	58	56	55	56	57	49	49	47
50	35	25	20	19	14		10	16	19	33	50

Walk

12.9	13.6	14.6	14.2	14.4	14.4	14.3	14.3	14.7	14.4
6.9	6.2	5.2	5.6	5.4	5.4	5.5	5.5	5.1	5.4
33	25	20	19	14		10	13	16	27

12.3

13.4

13.4

7.5
50

6.43 6.35
50 39

Wall

14.4

14.3

14.3

14.7

13.8

Duplicate + 34

5.4	5.5	5.5	5.1	6.0
10	13	16	28	

10.4

10.5

11.9

9.4 9.3 7.9
50 41 37

14.4

15.1

14.7

15.0

14.8

14.5

14.4

14.7

12.7

10.9

5.4	4.7	5.1	4.8	5.0	5.3	5.4	5.1	7.1	9.0
24	20	19	12		10	14	15	23	30

14.1

13.0

11.9

10.6

5.7 6.8
32 50

7.93 9.2
6.9 50
Walk

Sta + π - Elev

879.84

14

✓

+32

✓

+33

✓

March 27, 1967

Lt.

RT

4

74.8	75.5	75.2	75.6	75.5	75.2	75.1	75.4	73.1
5.0	4.3	4.6	4.2	4.3	4.6	4.7	4.4	6.7
26	22	21	14		10	14	15	23

74.1	74.0
5.7	5.8
35	50

72.6	72.2	71.6	71.2	71.5
7.16	7.56	8.2	8.6	8.3
65	61	57	50	29

Door Sill Step Walk

76.7	77.0	76.4	76.7	76.7	76.5	76.3	76.5	74.8	72.2
3.1	2.8	3.2	3.1	3.1	3.5	3.6	3.3	5.0	7.6
27	22	21	14		10	14	15	21	28

76.1	76.0
3.7	3.8
33	50

71.9	72.1	71.9	71.8
7.9	7.7	7.9	8.0
50	48	38	32

Duplicate + 32

76.7	76.3	76.2	76.5	75.3	75.1
3.1	3.5	3.6	3.3	4.5	4.7
	10	14	15	21	28

71.9	72.1	73.6	74.3
7.9	7.7	6.2	5.5
50	48	38	32

Sta + π - Elev.

879.84

14+41 $\pm$ Ent

✓

+50 Top Wall

✓

+51 Bottom Wall

✓

14+00 $\pm$ 4.3 B75.54

March 27, 1967

Lt.

Rt

5

16^9	17^2	17^0	17^1	17^0	16^7	16^6	16^8	16^3	16^8
29	26	28	27	28	31	32	30	35	50
29	22	21	14		10	14	15	21	30

16^1	16^6
3.7	3.2
40	50

12^0	13^2
78	66
50	39

17^1	17^4	17^3	17^4	17^5	17^2	17^0	17^2	16^3
21	24	25	24	23	26	28	26	35
31	23	22	14		10	14	15	20

17^4	17^3
2.4	2.5
44	50

12^1	12^9	14^7	15^5	15^9
77	69	51	43	40
50	38	35	31	24

Duplicate + 50

17^5	17^2	17^1	17^3	15^4
23	26	27	25	40
		14	16	23

12^1	12^5	13^4	14^5
77	73	64	53
50	38	33	26

Sta	+	π	-	Elev
BM	4.34	893.79		889.45
14+00			18.3	875.49 [✓] 875.54

16

✓
+12 Gutter Lines

✓
+32 ~~E~~ English use Profile

+52 Gutter Lines

+70

March 27, 1967

Lt.

£

Rt.

6

Top Hyd S.W. Con. English + Larpenteur

86.0	46.2	45.3	44.2	44.8	45.4	45.5	45.4	45.0	45.9
7.8	7.6	8.5	9.6	9.0	8.4	8.3	8.4	8.8	8.0
50	34	28	25	14		10	19	25	32

86.4	86.4
7.4	7.4
50	42

84.5	84.5	85.0	85.5	85.9	86.1	86.0	45.7	46.4	45.4
9.3	9.3	8.8	8.3	7.9	7.7	7.8	8.1	8.2	8.4
50	38	25	13		11	18	27	35	38

85.5
8.3
50

85.4	45.5	46.1	46.6	47.0	47.1	46.4	46.4	46.0	46.1
8.4	8.3	7.7	7.2	6.8	6.7	7.2	7.4	7.8	7.7
50	40	26	13		11	23	27	41	50

84.9	84.9	85.4	86.3	86.9	87.1	87.6	47.4	47.2	46.5	86.5
8.9	8.9	8.4	7.5	7.9	6.7	6.2	6.4	6.6	7.3	7.3
50	40	33	25	22	13		12	19	32	50

Sta + π - Elev.

893.79

17

+40

✓

+70

✓

March 27, 1967

LT

£

RT

7

86.4	86.3	88.4	88.6	88.7	88.6	88.4	88.1	87.5	87.5
7.4	6.5	5.4	5.2	5.1	5.2	5.4	5.7	6.3	6.3
28	21	15	12		13	17	24	34	50

85.6	85.6
8.2	8.2
38	50

86.1	87.8	89.7	89.9	90.1	90.1	90.0	89.4	88.9
2.7	6.0	4.1	3.9	3.7	3.7	3.8	4.4	4.9
29	22	16	12		12	16	24	27

85.5
8.3
50

89.5	88.9
4.3	4.9
50	40

86.0	88.1	90.5	90.6	91.1	90.9	90.8	89.7	88.6	89.1
2.8	5.7	3.3	3.0	2.7	2.9	3.0	4.1	5.2	4.7
32	23	16	12		11	14	18	23	33

85.2	85.0
8.6	8.8
43	50

89.9	89.3
3.9	4.5
50	43

Sta + π - Elev,

893.79

18

✓

BM 6.17 898.32 1.64 892.15

+12

12
24
59
68
84

+24

+59

+68

March 23, 1967

Lt

Rt

8

86.7	89.2	91.4	91.7	91.8	91.7	91.6	90.9	90.2
7.1	4.6	2.4	2.1	2.0	2.1	2.2	2.9	3.6
30	22	16	12		11	14	18	21

85.1	84.5	88.3	88.4	88.7
8.7	9.3	55	54	5.1
37	50	50	45	29

Pull Box conduit outlet

85.5	92.0	89.4	91.7	91.9	92.1	92.0	91.9	91.1	89.1	77.9
12.8	11.3	8.9	6.6	6.4	6.2	6.3	6.5	7.2	9.2	10.4
50	33	24	17	12		10	14	22	29	50

90.4	90.6	91.1	92.0	92.2	92.3	92.2	92.0	91.4	90.6	90.7
7.9	7.7	7.2	6.3	6.1	6.0	6.1	6.3	6.9	7.7	7.6
50	40	25	18	12		10	14	21	34	50

91.7	92.2	92.7	92.7	92.7	92.6	92.5	91.9	91.3	91.3
6.6	6.1	5.6	5.6	5.6	5.7	5.8	6.9	7.0	7.0
50	27	18	12		10	15	28	42	50

90.3	90.7	92.1	92.3	92.9	92.9	92.7	92.5	92.2	90.9	89.1	88
8.0	7.6	6.2	5.5	5.5	5.5	5.6	5.8	6.1	7.9	9.2	9.5
50	37	27	18	12		10	14	16	24	35	50

Sta + π - Elev.

898.32

18+84

✓

19

+14

+40

+73

Lt

March 28, 1967

Rt

9

90.2	91.5	92.7	92.9	92.9	92.8	92.6	92.0	90.3	89.7
8.1	6.8	5.6	5.4	5.4	5.5	5.7	6.3	8.0	9.6
34	24	16	12		10	15	18	25	31

89.6

8.7

50

91.5

91.6

11.8

10.7

50

39

89.8	89.6	90.8	92.0	92.8	93.0	93.1	92.9	92.7	91.8	98.7	86.8	86.5
8.5	8.7	7.5	6.3	5.5	5.3	5.2	5.4	5.6	6.5	9.6	11.5	11.8
50	44	31	22	16	12		10	15	19	28	41	50

89.1	89.5	90.3	91.8	93.0	93.1	93.2	93.0	92.9	92.3	92.3	86.8	87.1
9.2	8.8	8.0	6.5	5.3	5.2	5.1	5.3	5.4	6.0	5.95	11.5	11.2
50	42	32	23	16	12		10	14	18	26	41	50

MH

88.7	89.5	91.5	92.9	93.1	93.2	93.0	92.8	90.4	91.0	88.1	87.2
Water 9.6	8.8	6.8	5.4	5.2	5.1	5.3	5.5	7.9	10.3	10.2	10.1
36	30	22	17	12		10	15	23	34	45	50

89.7	91.8	92.9	93.1	93.2	93.1	92.8	91.2	90.7
Water 8.6	6.5	5.4	5.2	5.1	5.2	5.5	7.1	7.6
23	18	15	12		10	16	25	41

90.4

7.9

50

Sta + π - Elev

898.32

19+90 Gutter Line

20

+05 $\pm$ McAfee

✓

+20

✓

Lt.

March 28, 1967

Rt.

10

90.5 91.0 91.7 92.2 92.7 93.0 93.1 93.1 92.9 92.2 90.2

78 7.3 66 61 56 5.3 52 52 54 6.1 7.1

50 46 36 22 16 12 10 24 35 50

91.4 91.6 92.0 92.7 92.9 93.0 92.9 92.9 92.7 91.4

9 6.7 6.3 5.6 5.4 5.3 5.4 5.4 5.6 6.9

50 36 19 15 12 10 22 32 50

92.6 92.6 92.0 92.7 92.8 93.0 92.9 92.9 92.8 91.6

56.9 57.1 6.3 5.6 5.5 5.3 5.4 5.35 5.5 6.7

31 22 18 16 12 10 24 30 50

Lift Station MH

91.8 92.1 91.0

→ 6.5 6.15 7.3

31 36 50

MH

88.9 89.4 90.0 91.2 92.8 93.0 93.2 93.0 92.9 92.9 93.4

9.4 8.9 8.3 7.1 5.5 5.3 5.1 5.3 5.4 5.4 4.9

50 35 23 19 16 12 10 19 G C

24

91.7 91.2 93.2 92.7

6.6 7.1 5.1 5.6

C G C G

50 32

Sta + π - Elev.

898.32

20+32

+44

✓

+72

21

+36

March 28, 1967

Lt

✓

Rt

11

99.5	90.9	92.2	92.9	93.1	93.2	93.1	92.7	92.7	92.1	91.8
88	7.4	6.1	5.4	5.2	5.1	5.2	5.6	5.6	6.2	6.5
30	25	20	16	12		10	15	24	40	50

88.2	89.4	92.3	93.0	93.2	93.2	93.2	92.9	92.8	91.3
10.1	8.9	7.0	5.3	5.1	5.1	5.1	5.4	5.5	9.0
27	24	20	16	12		10	15	16	27

90.4	86.6
7.9	11.7
50	40

89.1	90.5	91.6	93.3	93.5	93.4	93.4	93.3	91.4	87.5	87.4
9.2	7.8	6.7	5.0	4.8	4.9	4.9	5.0	6.9	10.8	10.9
30	25	20	16	12		10	14	20	37	50

89.1	91.3	93.2	93.9	93.6	93.5	93.3	91.6	90.2	89.5
9.2	7.0	5.1	4.9	4.7	4.8	5.0	6.7	8.1	8.8
30	24	17	12		10	15	21	31	50

89.0	91.1	93.2	93.4	93.7	93.6	93.6	91.6	88.7	88.2
9.3	7.2	5.1	4.9	4.6	4.7	5.3	6.7	9.6	10.1
30	24	17	12		10	16	22	34	50

water

Sta + A - Elev.

898.32

21+62

22

✓

BM 3.41 900.^{.26}25 1.47 896.85 (896.84)

+45

+70

✓

$$\begin{array}{r} 901.30 \\ 897.50 \\ \hline \end{array}$$

$$901.00$$

$$.57$$

$$\begin{array}{r} 90.17 \\ \hline 900 \times 43 \end{array}$$

$$\begin{array}{r} 901.3^2 0 \\ 0073 \\ \hline \end{array}$$

$$\times 57$$

March 28, 1967

Lt.

Rt.

12

89.2	90.9	92.5	93.4	93.6	93.7	93.7	93.5	92.8	89.3	88.9
9.1	7.4	5.8	4.9	4.7	4.6	4.6	4.8	5.5	9.0	9.4
31	24	19	16	12		10	16	18	30	50

89.6	91.2	92.8	93.7	93.8	93.8	93.7	93.5	93.4	92.9	93.2
8.7	7.1	5.5	4.6	4.5	4.5	4.6	4.8	4.9	5.4	5.08
32	25	19	16	12		10	15	21	32	43

Walt

89.6 89.5
→ 8.7 8.8
43 50

89.9
8.41
60

Top Hyd. S.W. Corner Clarence & Larp.

Ent.

890.2	90.2	90.4	91.5	93.9	93.9	94.1	94.0	93.7	94.1	95.0	95.2
10.1	10.1	9.9	8.5	6.4	6.4	6.2	6.3	6.6	6.2	5.3	5.12
50	45	31	25	18	12		10	15	24	39	48

91.2	91.5	93.4	93.2	93.8	94.0	94.1	94.1	93.8	93.9	94.2	94.5
9.1	8.8	6.9	7.1	6.5	6.3	6.2	6.2	6.5	6.4	6.1	5.8
34	30	24	20	17	12		10	14	21	39	50

90.7
9.6
50

Sta + π - Elev.

900.25

22+79 Shoulder Left

+93 $\pm$ Lt

23 Gutter Line Rt

+15 $\pm$ Rt Gutter Lt

+29 Gutter Line Rt

✓

+42 MH 16' Lt 6.33 94.0

March 28, 1967

Lt

✓

Rt

13

892.6	93.0	93.4	93.9	94.1	94.1	93.9	93.7	93.9	94.2	94.3
77	73	69	6.4	6.2	6.2	6.4	6.6	6.4	6.1	6.0
50	38	24	18	12		10	14	22	38	50

93.2	93.6	93.8	94.1	94.2	94.2	94.2	93.8	94.3	94.5	94.6
7.1	6.73	6.5	6.2	6.1	6.1	6.1	4.5	6.0	5.8	5.7
50	35	26	19	12		10	15	20	39	50

MH

93.3	93.6	94.1	94.2	94.2	94.3	93.9	93.6	93.9	93.8
7.0	6.7	6.2	6.1	6.1	6.0	6.4	6.7	6.4	6.5
50	33	20	12		10	17	24	35	50

92.6	92.9	93.4	94.0	94.2	94.3	94.4	94.4	94.4	94.4
77	74	69	6.3	6.1	6.0	5.9	5.9	5.9	5.9
50	36	27	17	12		10	18	39	50

93.0	92.1	93.3	93.8	94.2	94.3	94.4	93.9	93.8	93.7	93.8
7.3	8.2	7.0	6.5	6.1	6.0	5.9	6.4	6.5	6.6	6.5
32	27	23	18	12		10	17	31	40	50

93.4	93.4
6.9	6.9
40	50

Sta + π - Elev.

900.25

23 + 65

✓

24 Ent Rt.

✓

+50

✓

March 28, 1967

Lt.

£

Bl

14

92.4	92.6	94.1	94.3	94.5	94.6	94.4	94.4	94.5	94.6
77	77	62	60	58	57	59	59	58	57
26	20	17	12		10	15	26	43	50

93.4	93.9	94.3
69	64	60
30	40	50

93.7	92.6	92.6	94.3	94.5	94.7	94.7	94.4	94.7	94.9	95.1
66	77	77	60	58	56	56	59	56	54	52
29	25	21	18	12		10	14	21	39	50

93.9	94.3
64	60
38	50

93.3	93.3	94.2	94.7	94.7	95.0	94.9	94.6	94.7	94.9	95.0
70	70	61	56	56	53	54	57	56	54	53
24	20	18	16	12		10	14	21	35	50

93.8	94.0	94.3
65	63	60
27	38	50

Sta + π - Elev.

900.25

25

✓

+50

26

✓

+23 M.H. 25' Lt 5.45 94.8

+50

T.P. 7.01 904.35 2.91 897.34

March 28, 1967

Lt.

Rt

15

93.8	93.8	94.3	94.9	95.0	95.1	95.1	94.8	94.7	95.1	95.7
6.5	6.5	6.0	5.4	5.3	5.2	5.2	5.5	5.6	5.2	4.6
23	21	19	16	12		10	16	22	35	50

94.0	94.0	94.5
6.3	6.3	5.8
26	35	50

94.9	94.3	94.1	94.4	95.2	95.3	95.5	95.4	95.3	95.1	96.1	96.5
5.4	6.0	6.2	5.9	5.1	5.0	4.8	4.9	5.0	5.2	4.2	3.8
50	34	25	20	17	12		10	12	18	34	50

94.8	94.5	94.9	95.4	95.8	95.9	95.9	95.7	95.5	96.0	96.5
5.5	5.8	5.4	4.7	4.5	4.4	4.4	4.6	4.8	4.3	3.8
33	22	19	16	12		10	14	16	23	37

95.3	95.6
5.0	4.7
44	50

97.1
3.2
50

96.1	95.9	95.3	94.8	95.9	95.9	96.0	96.1	95.9	95.8	96.3	97.0
4.2	4.4	5.0	5.5	4.4	4.4	4.3	4.2	4.4	4.5	3.5	3.3
42	29	20	16	12		10	15	23	38	50	

50

Sta + π - Elev.

904.35

27

+50

28

+38

+50

29

BNI 5.74 ²⁶907.25 2.83 901.52 (901.51)

March 28, 1967

16

Lt.

RT

96.5	96.3	96.2	95.8	96.0	96.1	✓ 96.2	96.4	96.3	96.0	97.2	97.3
7.9	8.1	8.2	9.0	8.4	8.3	8.2	8.0	8.1	8.4	7.2	7.1
50	41	28	23	19	13		10	15	20	37	50

97.0	96.7	96.1	96.4	96.5	✓ 96.7	96.7	96.6	96.3	97.3	97.6
7.4	7.7	8.3	8.0	7.9	7.7	7.7	7.8	8.1	7.1	6.8
50	29	22	18	14		10	14	20	31	50

97.6	97.6	97.3	96.8	97.0	✓ 97.2	97.2	97.0	96.8	97.3	97.8
6.8	6.8	7.1	7.6	7.4	7.2	7.2	7.4	7.6	7.1	6.6
50	44	31	25	14		10	14	21	37	50

97.8	97.3	97.3	97.5	✓ 97.6	97.5	97.2	97.5	97.6
6.6	7.1	7.1	6.9	6.8	6.9	7.2	6.9	6.8
50	32	22	14		10	15	29	50

99.5	98.9	98.1	97.4	97.6	✓ 97.7	97.6	97.3	97.0	97.8	97.7
4.9	5.5	6.3	7.0	6.8	6.7	6.8	7.1	7.0	6.6	6.7
50	39	30	24	14		10	15	17	31	50

90.0	99.1	98.0	97.9	97.7	98.0	✓ 98.2	98.1	97.9	98.1	97.5
4.4	5.3	6.4	6.5	6.7	6.4	6.2	6.3	6.5	6.3	5.9
50	36	29	21	18	14		10	18	37	50

Top Hyd SW Corner Birmingham & Larp.

Sta + π - Elev.

907.²⁶₂₅

29+26

+41 Gutter Line Lt.

+56 Gutter Line Rt.

+71 Gutter Line Lt.

+85 Gutter

30

March 28, 1967

LT

RT

17

99.4	99.2	98.3	97.9	98.1	98.3	98.2	98.0	98.4	98.9	99.1
79	8.1	9.0	9.4	9.2	9.0	9.1	9.3	8.9	8.4	8.2
50	39	28	23	14		10	17	23	38	50

98.4	98.3	98.1	98.3	98.4	98.2	98.0	98.5	99.2	99.3
8.9	9.0	9.2	9.0	8.9	9.1	9.3	8.8	8.1	8.0
50	36	24	14		10	16	20	34	50

98.9	98.6	98.3	98.4	98.4	98.4	98.0	98.2	98.3
8.4	8.7	8.9	8.9	8.9	8.9	9.3	9.1	9.0
50	37	25	14		10	20	33	50

MH

98.7	98.6	98.4	98.4	98.6	98.5	98.4	98.4	98.8
8.6	8.7	8.9	8.9	8.7	8.8	8.9	8.7	8.5
50	38	27	14		10	18	35	50

98.5	98.7	98.9	98.4	98.5	98.7	98.6	98.3	98.5	98.6
6.8	7.6	8.4	8.9	8.8	8.6	8.7	9.0	8.8	8.7
50	36	25	20	14		10	18	33	50

98.7	98.3	98.2	98.6	98.4	98.4	98.7	98.6	98.4	98.6	99.2	99.0	99.0
4.6	6.0	7.1	8.3	8.9	8.7	8.6	8.7	8.9	8.7	8.1	7.2	7.3
50	40	32	22	18	14		10	17	23	24	38	50

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

		907.25		
--	--	--------	--	--

30+28				
-------	--	--	--	--

✓				
---	--	--	--	--

+62				
-----	--	--	--	--

✓				
---	--	--	--	--

+94				
-----	--	--	--	--

✓				
---	--	--	--	--

Lt.

March 28, 1967

Rt

18

00.4	99.4	99.6	98.9	99.1	99.1	99.0	98.7	99.1	02.4
6.9	7.9	8.7	8.4	8.2	8.2	8.3	8.6	8.2	4.9
28	21	17	14		10	14	18	22	34

01.7	03.7
5.6	3.6
37	50

03.2	03.5
4.1	3.8
50	44

02.3	01.1	99.5	99.0	99.1	99.3	99.4	99.4	99.1	99.2	02.6
5.0	6.2	7.8	8.3	8.2	8.0	7.9	7.9	8.2	8.1	4.7
40	31	22	18	14		10	13	18	22	35

03.9
3.4
50

03.6	03.4
3.8	3.7
50	43

02.9	01.5	00.1	99.4	99.4	99.5	99.7	99.6	99.2	99.4	00.2
4.4	5.8	7.2	7.9	7.9	7.8	7.6	7.7	8.1	7.9	7.1
50	36	28	20	14		10	14	18	24	28

01.1	01.7
6.2	5.6
50	34

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

		907.25		
--	--	--------	--	--

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

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

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

+45				
-----	--	--	--	--

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

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

BM	326	907.55	2.96	904.29
----	-----	--------	------	--------

Lt.

March 28, 1967
84 19

0.5	0.3	99.7	99.5	99.7	99.7	99.6	99.3	99.4	0.7
5.8	7.0	7.6	7.8	7.6	7.6	7.7	8.0	7.9	6.571
50	32	20	14		10	14	19	23	3250

0.5	0.2	0.1	0.3	99.6	99.9	00.0	00.1	900.0	98.9	98.2	97.3
4.8	5.3	6.2	7.0	7.7	7.4	7.3	7.2	7.3	8.5	9.1	10.0
50	40	32	22	19	14		10	14	25	37	50

0.8	0.4	0.4	0.2	0.0	0.3	0.3	0.4	900.0	98.3	96.9	96.3
5.5	5.9	6.7	7.1	7.3	7.0	7.0	6.9	7.3	9.0	10.4	11.0
50	34	29	23	20	14		10	16	23	32	50

0.2	0.5	0.4	0.5	0.5	0.8	0.4	0.4	0.1	98.2	97.3	95.6
5.2	5.8	6.9	6.8	6.8	6.5	6.7	6.9	7.2	9.1	10.0	11.7
50	34	24	18	14		10	15	17	24	35	50

0.5	0.4	0.9	0.6	0.7	0.9	0.7	0.5	0.3	0.7	0.8	0.0
4.8	5.9	6.4	6.7	6.6	6.4	6.6	6.8	7.0	6.6	6.5	6.3
50	32	23	19	14		10	12	16	27	41	50

0.3	0.9	0.4	0.1	0.6	0.9	0.1	0.8	0.7	0.1	0.7	0.1
5.0	5.4	5.9	6.2	6.7	6.4	6.2	6.5	6.6	6.2	6.6	6.2
40	33	24	18	14		10	8	6	6	6	6
50								22		39	

0.0
6.3
6.7
50

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

907.55

32+91	MH 10' Rt	6.69	00.9
-------	-----------	------	------

+94	MH 19' Lt.	6.70	00.9
-----	------------	------	------

33

+12

✓

+23

+50

34

2 March 28, 1967

21.

RT

20

0.2 0.0 0.5 0.2 0.0 0.1 0.2 0.1 0.1 0.1 0.0
5.5 56 61 6.4 6.8 6.5 6.4 6.5 6.5 6.5 6.6
50 41 32 23 19 14 10 18 34 50

0.2 0.9 0.5 0.2 0.0 0.2 0.3 0.2 0.1 0.6 0.9 0.4
5.5 5.7 6.1 6.4 6.7 6.4 6.3 6.4 6.5 6.0 6.7 6.2
50 43 32 23 19 14 10 6 C G C
19 32

0.1 0.7
6.5 6.9
C G
50

0.9 0.4 0.3 0.0 0.3 0.5 0.3 0.2 0.0 0.6 0.4 0.5
5.7 6.0 6.3 6.6 6.3 6.1 6.3 6.4 6.7 6.8 6.2 6.1
50 32 23 18 14 10 13 16 24 37 50

0.2 0.9 0.6 0.5 0.3 0.5 0.7 0.5 0.5 0.0 9.9.6
5.5 5.7 6.0 6.1 6.3 6.1 5.9 6.1 6.1 6.6 8.0 water
50 40 30 20 17 14 10 14 17 25

0.8 0.5 0.2 0.9 0.8 0.2 0.4 0.2 0.9 0.6 0.2 9.9.7
4.8 5.1 5.4 5.7 5.8 5.5 5.2 5.5 5.7 6.0 7.4 7.9 water
50 40 30 20 18 14 10 14 16 23 26

Sta + π - Elev

907.55

34+50

35

+40

+84

✓

36

T.P. 7.38 912.35 2.58 904.97

March 28, 1967

Lt

2

Rt

21

03.0	02.8	02.4	02.4	02.7	02.0	02.8	02.4	02.0	01.7	00.1	01.4
46	48	50	52	49	46	48	50	56	64	75	62
50	34	23	18	14		10	15	17	27	36	50

03.5	03.4	03.2	03.2	03.4	03.7	03.3	03.2	02.7	01.4	00.3	99.5
41	42	44	44	42	39	43	44	49	62	73	81
50	33	22	18	14		10	14	16	21	27	30

04.4	04.2	03.9	04.0	04.2	04.4	04.1	03.8	01.0	99.8		
32	34	37	36	34	32	35	38	66	78	water	
50	40	28	18	14		10	15	22	29		

04.6	04.5	04.3	04.4	04.8	05.1	04.9	04.8	04.4	04.7	05.5	
3.0	3.1	3.3	3.2	2.8	2.5	2.7	2.8	3.2	2.9	2.1	
50	34	26	18	14		10	15	20	24	31	

05.9	06.4
1.8	1.2
50	36

04.2	04.4	04.5	05.1	05.4	05.4	05.4	05.0	05.3	06.0	06.3	06.8
3.4	3.2	3.1	2.5	2.2	2.2	2.2	2.6	2.3	1.6	1.3	0.8
50	32	19	14		10	15	18	26	28	40	50

Nail in Arc Light pole N.W. Cor. Barclay + Larpentour

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

Sta	+	π	-	Elev.
		912.35		

Sta	+	π	-	Elev.
36+12				

Sta	+	π	-	Elev.
+29				

Sta	+	π	-	Elev.
+40				

Sta	+	π	-	Elev.
+50				

Sta	+	π	-	Elev.
37				

Sta	+	π	-	Elev.
+50				

✓

FX
WM
DS
FS
LPD

March 29, 1967

22

LT

RT

0.29	0.47	0.55	0.47	0.53	0.56	0.57	0.57	0.52	0.54	0.56
8.5	8.2	7.9	7.7	7.1	6.8	6.7	6.7	7.2	7.0	6.8
50	44	32	22	14		10	15	18	30	50

0.43	0.49	0.54	0.56	0.58	0.58	0.58	0.55	0.61	0.65
8.1	7.5	6.98	6.8	6.6	6.6	6.6	6.9	6.3	5.9
50	36	19	13		10	15	18	31	50

MH

0.40	0.48	0.53	0.57	0.60	0.60	0.58	0.57	0.61	0.61
8.4	7.6	7.1	6.7	6.4	6.4	6.6	6.7	6.3	6.3
50	32	23	13		10	16	18	33	50

0.38	0.45	0.52	0.58	0.61	0.61	0.60	0.58	0.64	0.69
8.6	7.9	7.2	6.6	6.3	6.3	6.4	6.6	6.0	5.5
50	33	22	13		10	16	18	30	50

0.60	0.64	0.55	0.59	0.63	0.64	0.63	0.65	0.64	0.62	0.78	0.84
6.4	6.6	6.9	6.5	6.1	5.8	5.6	5.9	6.0	6.2	4.6	4.0
50	41	30	18	17	13		10	16	17	32	50

0.73	0.69	0.63	0.71	0.72	0.73	0.73	0.69	0.68	0.74	0.78
5.1	5.5	6.1	5.3	5.2	5.1	5.1	5.5	5.6	5.0	4.6
50	34	21	17	13		10	17	19	20	26

0.88 0.87
3.6 3.7
50 40

Sta + π - Elev.

912.35

37+88 $\perp$ Alley Rt

38

+50

T.P. 5.89 913.56 4.68 907.67

39

+36

+52

Lt.

March 29, 1967

Sta 23

0.91 0.7 0.1 0.1 0.6 0.7 0.4 0.7 0.7 0.5 0.7 0.9
 4.3 4.7 5.4 5.7 5.1 5.0 4.7 4.7 4.9 4.7 4.5
 50 32 23 20 17 13 10 17 31 50

0.82 0.7 0.7 0.68 0.74 0.74 0.79 0.77 0.74 0.77 0.79 0.77
 4.2 4.7 5.2 5.6 5.0 4.8 4.5 4.7 5.0 4.7 4.6 4.7
 50 32 24 21 17 13 10 17 22 38 50

0.5 0.6 0.4 0.2 0.8 0.9 0.7 0.0 0.5 0.0 0.8 0.5
 3.9 4.4 4.8 5.2 4.6 4.5 4.2 4.4 4.9 4.4 4.6 3.9
 50 31 24 21 15 12 10 16 18 32 50

0.9 0.6 0.2 0.5 0.1 0.3 0.2 0.9 0.3 0.9 0.8
 4.7 5.0 5.4 6.1 5.5 5.3 5.4 5.7 5.3 5.7 4.8
 50 36 25 20 12 10 16 18 31 50

0.2 0.7 0.0 0.4 0.0 0.3 0.5 0.3 0.8 0.8 0.1 0.1
 4.4 4.9 5.6 6.0 5.6 5.3 5.1 5.3 5.8 5.8 5.5 5.5
 50 35 25 21 17 13 10 17 28 43 50

0.1 0.4 0.0 0.4 0.0 0.3 0.6 0.3 0.0 0.4 0.5
 4.5 5.0 5.6 6.0 5.6 5.3 5.0 5.3 5.6 5.2 5.1
 50 34 28 22 17 14 10 18 32 50

Sta + π - Elev.

913.56

39 + 67

40

914.93

B.M. 3.62 914.96 2.25 911.31 911.34

+50

+80

+92

✓

2/ March 29, 1967

At

24

0.2	0.5	0.1	0.6	0.0	0.3	0.1	0.4	0.0	0.8	0.1	0.2
4	5.1	5.5	6.0	5.6	5.3	5.0	5.2	5.6	5.8	5.5	5.4
0	33	26	22	18	14		10	17	28	44	50

0.4 0.2 0.1 0.9 0.2 0.4 0.6 0.4 0.1 0.2 0.5 0.5
4.0 4.4 5.5 5.7 5.4 5.2 5.0 5.2 5.5 5.4 5.1 5.1
50 43 27 22 18 14 10 18 26 42 50
Top Hyd S.W. Cor. Dieter & Carpenter

0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.7	0.4	0.7	0.7
5.4	5.6	6.5	6.9	6.5	6.3	6.0	6.2	6.5	6.2	5.7
50	40	26	22	18	14		10	17	30	50

09.5	09.3	08.8	08.2	08.9	09.1	09.2	09.1	09.1	08.7	08.7
5.4	5.6	6.1	6.7	6.0	5.8	5.7	5.8	5.8	6.2	6.2
50	37	27	22	17	13		10	15	31	50

09.5	09.1	09.6	09.1	09.3	09.4	09.3	09.2	09.5	05.7
5.4	5.8	6.3	5.8	5.6	5.5	5.6	5.7	6.4	9.2
39	27	22	17	14		10	14	18	27

02.7

02.8

12.2

12.1

50

41

Sta + π - Elev.

⁹³
914.96

41

+50

✓

TP 6.09 917.32 3.73 911.23 Sta 42

42

✓

March 29, 1967

RT

25

0.4	0.3	0.6	0.6	0.4	0.6	0.4	0.3	0.3	0.9	0.0
5.50	5.6	5.6	5.6	5.5	5.3	5.5	5.6	8.6	12.0	12.9
29	29	21	17	14		10	16	25	39	50
Conc										

0.5	0.5
5.38	5.39
44	50

10.1	0.2	0.1	0.7	0.9	10.4	10.1	10.9	0.8	0.0
4.8	5.7	5.8	5.2	5.0	4.5	4.8	5.0	5.1	7.9
32	25	20	18	14		10	15	16	23

10.8
4.1
50

00.9	00.6	02.0
14.0	14.3	12.9
50	46	36

0.2	10.0	10.4	10.8	11.2	10.9	10.8	10.7	05.8	01.3
8.1	7.3	6.9	6.5	6.1	6.4	6.5	7.1	11.5	16.0
25	21	20	15		10	15	18	26	34

0.8	10.2	10.5
7.5	7.1	6.8
28	42	50

89.1
Water 18.2
39

Sta + π - Elev.

917.32

42 + 13

✓

+38

✓

+67

✓

March 29, 1967 26

09.2 10.3 10.7 11.0 11.4 11.1 10.9 10.3 07.4
 8.1 20 6.6 6.3 5.9 6.2 6.4 70 9.7
 24 20 18 14 10 16 18 22

09.8 09.7 99.0 02.4
 75 7.6 18.3 14.9
 30 50 50 34

05.5 10.5 11.1 11.4 11.9 11.7 11.3 10.8 09.7
 11.8 6.8 6.2 5.9 5.4 5.6 6.0 6.5 7.6
 31 22 19 14 10 16 20 25

00.3 98.6 98.9 04.1
 17.0 18.7 18.4 13.2
 41 50 44 35

05.1 11.7 11.8 12.1 12.6 12.4 12.2 11.9 11.2
 12.2 5.6 5.5 5.2 4.7 4.9 5.1 5.4 6.1
 30 18 17 14 10 16 19 28

99.7 99.3 03.3
 12.6 18.0 14.0
 41 47 38

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

		917.32		
--	--	--------	--	--

43				
----	--	--	--	--

✓				
---	--	--	--	--

+19				
-----	--	--	--	--

✓				
---	--	--	--	--

+58				
-----	--	--	--	--

✓				
---	--	--	--	--

TP	8.86	925.57	0.61	916.71	Sta 44 ±
----	------	--------	------	--------	----------

March 29, 1967

Lt.

Rt

27

0.1	12.4	12.9	13.1	13.5	13.3	13.2	12.8	11.9
10.2	4.7	4.4	4.2	3.8	4.0	4.1	4.5	5.4
29	21	19	14		10	16	18	24

01.9

15.4
38

01.2

16.1
50

04.3

13.0
42

0.1	13.1	13.3	13.7	14.0	13.9	13.7	13.6	13.8
9.2	4.2	4.0	3.6	3.3	3.4	3.6	3.7	3.5
30	21	19	14		10	15	18	27

02.2

15.1
41

13.4

3.9
50

14.9

2.4
46

14.7

2.6
33

0.8	14.4	14.6	15.0	15.2	15.0	14.7	14.3	14.7
9.5	2.9	2.7	2.3	2.1	2.3	2.6	3.0	2.6
32	21	19	14		10	14	17	21

02.0

15.3
40

16.2

1.1
50

15.4

1.9
42

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

		925.57		
--	--	--------	--	--

44				
----	--	--	--	--

✓				
---	--	--	--	--

+37				
-----	--	--	--	--

✓				
---	--	--	--	--

+74				
-----	--	--	--	--

✓				
---	--	--	--	--

Lt.

March 29, 1967

Rt

28

^{14.9} 10.7 25
^{15.6} 10.0 20
^{16.0} 9.6 18
^{16.3} 9.3
^{16.7} 8.9
^{16.5} 9.1 10
^{16.3} 9.3 15
^{15.7} 9.9 18
^{16.4} 9.2 22

^{09.2}
 16.4
 34

^{17.9} 7.7 50
^{17.1} 8.5 39

^{15.4} 10.2 24
^{17.2} 8.4 20
^{17.4} 8.2 17
^{17.7} 7.9 14
^{18.0} 7.6
^{17.8} 7.8 10
^{17.6} 8.0 15
^{17.2} 8.4 16
^{17.7} 7.9 22

^{08.5}
 17.1
 34

^{19.3} 6.3 50
^{18.5} 7.1 38

^{14.9} 10.7 30
^{18.1} 7.5 24
^{18.6} 7.0 18
^{19.0} 6.6 14
^{19.3} 6.3
^{19.1} 6.5 10
^{18.9} 6.7 15
^{18.6} 7.0 17
^{18.4} 7.2 21

^{09.7}
 15.9
 37

^{20.1} 5.5 50
^{19.5} 6.1 42
^{19.0} 6.6 26

Sta + π - Elev.

925.59

45

✓

+38

✓

+71

✓

March 29, 1967

Lt.

✓

Rt. 29

18.8	19.4	19.6	19.9	20.2	20.1	20.0	20.3	19.9
6.8	6.2	6.0	5.7	5.4	5.5	5.6	5.3	5.7
30	23	18	14		10	15	17	22

17.2	16.4
8.4	9.2
41	50

21.4	20.9	20.3
4.2	4.7	5.3
50	40	25

17.4	19.9	20.5	20.7	20.9	21.4	21.3	21.1	20.9	21.4
8.2	5.7	5.1	4.9	4.7	4.2	4.3	4.5	4.7	4.2
45	35	26	18	14		10	15	16	20

16.7
8.9
50

22.8	22.1
2.8	3.5
50	31

17.4	17.9	20.8	21.3	21.6	22.0	21.9	21.7	21.6	21.1	21.7
8.2	7.7	4.8	4.3	4.0	3.6	3.7	3.9	4.0	3.5	2.9
50	44	31	19	14		10	16	18	24	39

22.2
2.4
50

Sta + π - Elev.

925.59

46

B.M 0.81 926.19 0.21 925.38 (925.38)

+30

+53

+76

47

+1740 $\pm$ Prosperity Ave π 927.61

+30

FK
FS
DS
LPD

March 29, 1967

Lt

✓

RT 30

17.7	18.4	20.8	21.5	22.0	22.4	22.1	21.9	21.8	22.2	22.0
7.9	7.2	4.8	4.1	3.6	3.2	3.5	3.7	3.8	3.4	2.7
50	42	32	21	14		10	15	18	29	50

Top Hyd. S.W. Corner Prosperity & Larp.

17.8	18.4	20.4	21.6	22.0	22.4	22.2	21.9	22.0	22.5	22.7
8.4	7.6	5.6	4.6	4.2	3.6	4.0	4.3	4.2	3.7	3.5
50	41	32	20	13		11	18	24	38	50

18.1	18.6	20.6	21.3	21.9	22.5	22.4	21.9	21.4	21.7	22.2
8.1	7.6	5.6	4.9	4.3	3.7	3.8	4.3	4.5	4.3	4.0
50	43	32	22	14		11	22	35	43	50

Cor. Walk

19.1	20.9	21.4	21.7	22.3	22.4	22.4	22.5	22.8
7.1	5.3	4.8	4.5	3.9	3.8	3.8	3.7	3.4
50	32	21	14		10	28	36	50

17.8	20.3	21.3	21.1	21.2	21.4	21.7	22.3	22.2	22.0
6.4	5.9	4.9	5.1	5.0	4.8	4.5	3.9	4.0	4.2
50	41	26	23	20	13		21	41	50

9.7 150
8.6 100
7.3 50
6.1 50
4.8 50
3.9 100
3.1 150

17.8	20.1	20.7	21.1	21.2	21.1	20.7	21.0	20.3
6.4	6.1	5.5	5.1	5.0	5.1	5.5	5.2	5.9
50	45	32	13		12	19	22	29

19.9
6.3
50

Sta + π - Elev.

926.19

A7+56

+82

A8

TP 1.84 920.40 7.63 918.56 Sta 48 E

+25

60

✓

+60

✓

March 30 1967

Lt

2

RT

31

19.9	20.0	20.1	20.2	20.1	20.0	19.8	19.5	19.9	19.4	18.6
6.3	6.2	6.1	6.0	6.1	6.2	6.4	6.7	7.3	6.8	7.6
50	40	27	14		12	16	18	21	34	50

19.1	19.2	18.4	18.8	19.0	19.1	19.0	18.9	17.5	18.1	17.6
7.1	7.0	7.8	7.4	7.2	7.1	7.2	7.3	8.7	8.1	8.6
50	48	43	28	14		10	17	22	28	50

14.5	15.9	18.1	17.6	18.3	18.6	18.4	18.1	16.0	16.6	16.9
11.7	10.3	8.1	8.6	7.9	7.6	7.8	8.1	10.2	9.6	9.3
50	40	28	26	14		10	16	23	36	50

11.4	14.4	17.4	17.0	17.6	17.8	17.6	17.3	16.1	09.8
9.0	6.0	3.0	3.4	2.8	2.6	2.8	3.1	4.3	10.6
50	34	24	21	13		11	17	22	32

03.2
17.2
50

12.9	16.1	16.2	16.5	16.7	16.4	16.0	11.5	16.8	02.5
7.5	4.3	4.2	3.9	3.7	4.0	4.4	8.9	13.6	17.9
32	21	19	13		11	17	26	36	50

10.3	10.3	13.5
10.1	10.1	6.9
4.1	4.4	50

Sta + π - Elev.

920.40

49

✓

+50

✓

50

7.15 913.25

✓

T.P. 7.98 926.34 2.04 918.36

BM

0.97 925.37 925.38

March 30, 1967

LT

RT

32

✓

11.1	10.9	12.7	14.5	15.0	15.2	15.0	14.4	08.0	02.3
9.3	9.5	7.7	5.9	5.4	5.2	5.4	6.0	12.4	18.1
37	31	26	20	14		12	17	28	50

15.6 1.8
→ 4.8 1.6
46 50

✓

11.4	10.4	10.5	13.4	13.7	13.9	13.7	13.1	07.9	03.1
8.8	10.0	9.9	7.0	6.7	6.5	6.7	7.3	12.5	17.3
36	30	28	19	13		12	17	27	40

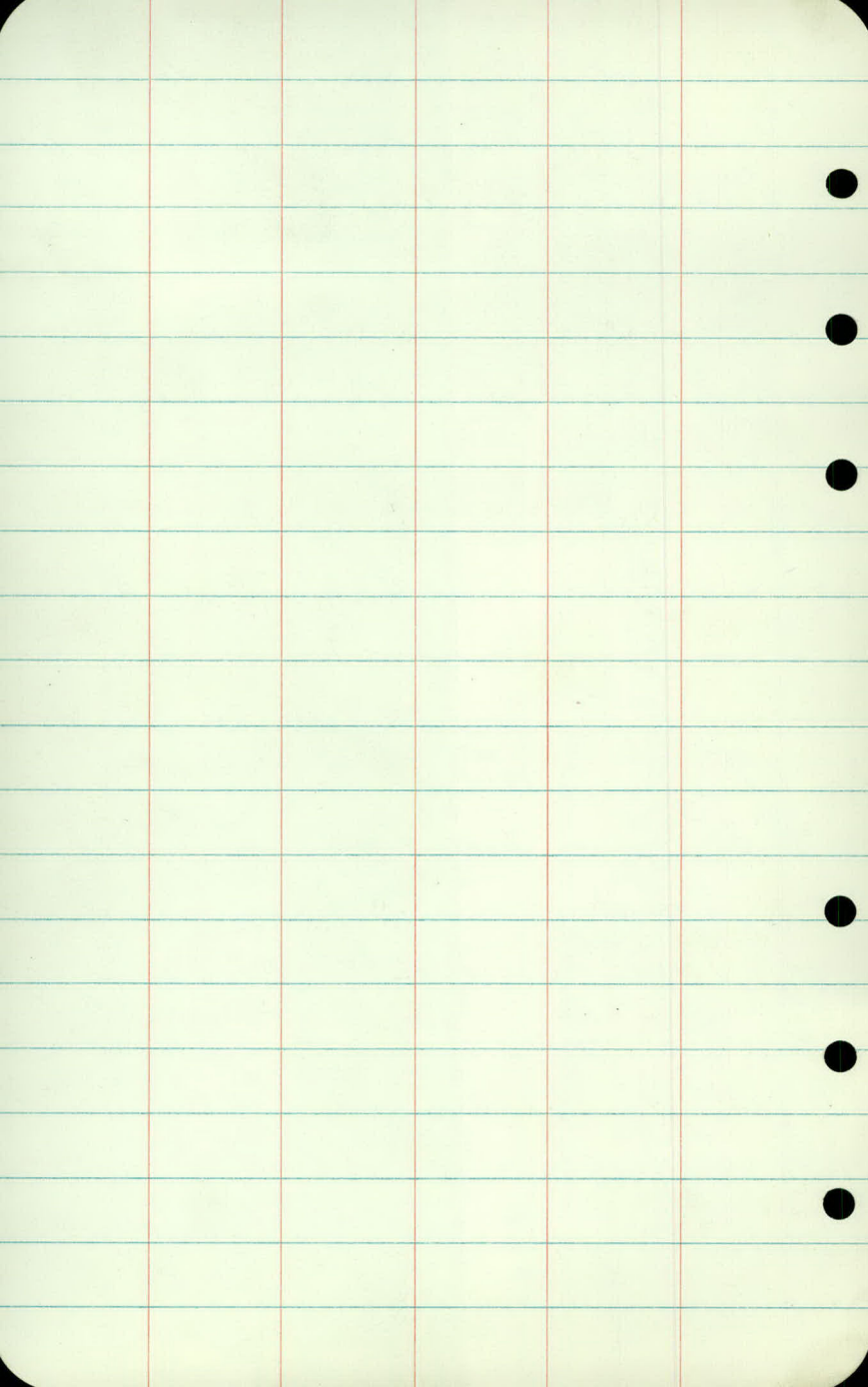
15.3 17.6
→ 5.1 2.8
47 50

04.0
16.4
50

10.4	10.3	11.4	12.8	13.0	13.2	13.1	12.9	13.1	12.5	05.1
10.0	10.1	9.0	7.6	7.4	7.2	7.3	7.5	7.3	7.9	15.4
30	26	25	16	12		10	15	23	34	50

12.2 12.9 15.1
→ 8.2 7.5 5.3
32 40 50

Top Hyd. S.W. Corner Prosperity & Larp.



April 26, 1967

21

X-Sections

Sta 50+50 to White Bear Ave.

Sta	+	π	-	Elev.
BM	7.44	920.69		913.25

50+50

✓

51

✓

+14

✓

April 26, 1967

22

Lt.

Rt

Sta. 50+00

11.3	11.2	11.9	12.7	13.0	12.7	12.7	12.2	06.3
9.4	9.5	8.8	8.0	7.7	8.0	8.0	8.5	14.4
28	23	20	15		12	23	38	52

12.4	12.5	17.7	18.1	18.6	05.6	0A.6	5.8
8.3	8.2	3.0	2.6	2.1	15.1	16.1	14.9
31	35	44	61	75	75	68	61

12.9	11.8	11.7	12.3	13.1	13.3	13.0	12.5	11.7	09.8
7.8	8.9	9.0	8.4	7.6	7.4	7.7	8.2	9.0	10.9
29	27	21	19	15		12	21	28	34

13.8	19.7	19.1	20.0	06.0	05.6	06.2	08.1	08.8
6.9	1.0	1.6	0.7	15.7	15.2	14.5	12.6	11.9
37	49	60	75	75	68	59	49	42

13.3	11.9	11.8	13.2	13.5	13.0	12.1	10.2	09.0	06.7
7.4	8.8	8.9	7.5	7.2	7.7	8.6	10.5	11.7	14.0
26	23	19	16		15	28	39	51	61

1A.3	13.9	1A.1	1A.1	1A.3
6.4	6.8	6.6	6.6	6.4
35	46	55	65	75

05.1	06.1
15.6	14.6
75	68

Sta + π - Elev

920.69

51+29

✓

+65

✓

52

✓

April 26, 1967

23

LT

RT

18.2	16.7	14.4	13.7	13.7	13.4	13.1	12.0	11.6
25	40	6.3	70	70	7.3	7.6	8.7	9.1
61	47	25	15	14	18	24	34	

19.6
1.1
75

06.9 07.0 10.3 11.0
13.9 13.7 10.4 9.7
75 68 52 38

16.2	14.7	13.5	14.5	14.6	14.3	13.7	12.6	12.6	11.5
4.5	6.0	7.2	6.2	6.1	6.4	7.0	8.1	8.1	9.2
35	23	20	17	14	17	21	33	45	

19.6 20.0 20.5 20.1
1.1 0.7 0.2 0.6
51 62 72 75

09.4 10.2
11.3 10.5
75 62

17.9	15.6	14.5	15.3	15.7	15.3	14.5	14.1	13.9
2.8	5.1	6.2	5.4	5.0	5.4	6.2	6.6	6.8
36	23	20	17	13	24	45	54	

20.6 21.0 21.2
0.1 +0.3 +0.5
50 56 75

08.0
12.7
75

Sta + π - Elev

920.69

52+35

✓

+66

✓

53

✓

TP 12.71 933.13 0.27 920.42

April 26, 1967

24

16.7	15.7	15.7	16.5	16.9	16. A	15.8	14.3	13.2
4.0	5.0	5.0	4.2	3.8	4.3	4.9	6.4	7.5
25	22	20	18	16	16	18	23	31

18.5	20.6	21.8	22.0	22.0	22.0	22.0	22.0	22.0
2.2	0.1	+1.1	+1.3	+1.3	+1.3	+1.3	+1.3	+1.3
35	44	54	56	75	75	75	51	40

19. A	17.5	16.5	16.5	17.7	18.2	17.7	17.1	14.8	13.8
1.3	3.2	4.2	4.2	3.0	2.5	3.0	3.6	5.9	6.9
35	25	23	21	17	14	18	25	33	33

22. A	22.5	22.8	22.5	22.5	22.5	22.5	22.5	22.5
+1.7	+1.8	+2.1	+1.8	+1.8	+1.8	+1.8	+1.8	+1.8
51	55	68	75	75	75	75	53	42

18.6	17.9	17.9	19.0	19.5	19.1	18.2	16.2	14.6
2.1	2.8	2.8	1.7	1.2	1.6	2.5	4.5	6.1
26	24	22	17	14	14	19	23	33

20.7	23.1	23.3	23.6	23. A	23. A	23. A	23. A	23. A
0.0	+2.4	+2.6	+2.9	+2.7	+2.7	+2.7	+2.7	+2.7
35	49	55	63	75	75	75	57	47

Culv.

Sta + π - Elev

933.13

53+28

✓

+53

✓

+76 FL 8" V. + 35' Lt 9.12

54

✓

+105[±] FL 8" V. + 45' Lt 5.02

TP 4.29 937.24 0.18 932.95

Lt

April 26, 1967

25

RT

20.7	18.9	19.0	20. A	20.7	20.1	1	17.1	16.1
124	142	141	127	124	130	14.6	16.0	12.0
26	22	20	17	16	23	44	57	

22.8	24.2	24.7	24.5	11.9	13.2
10.3	8.9	8.4	8.6	21.2	19.9
38	55	65	75	75	69

22. A	19.9	19.9	21.3	21.9	21.5	20.3	19.7	11.3
10.7	13.2	13.2	11.8	11.2	11.6	12.8	13.4	21.8
27	23	22	18	16	22	27	51	

24.9	26.0	25.5	10.5
8.2	7.1	7.6	22.6
47	63	75	75

23.7	22.7	22.7	24.0	24.3	23.8	23.3	24.7	20.1
9.4	10.4	10.4	9.1	8.8	9.3	9.8	8.4	13.0
25	21	20	16	17	20	24	33	

27. A	31.9	32. A	33.1	12.2	12.8
5.7	1.2	0.7	0.0	20.9	20.3
38	53	61	75	75	51

MH 50' Lt + 16

Sta + π - Elev

937.24

54+50

✓

55

✓

+35

✓

BM 8.30 943.56 2.02 935.22 (935.26)

April 26, 1967

Lt.

Rt.

26

25.9	25.2	25.2	26.6	26.7	26.3	25.6	28.8	23.9
11.3	12.0	12.0	10.6	10.5	10.9	11.6	8.4	13.3
24	22	21	17		16	20	26	37

29.8	A.9	35.3	35.5	36.0	36.1	35.1	35.A	17.A
7.4	2.3	1.9	1.7	1.20	1.4	22.1	21.8	19.8
37	53	64	72	72	75	75	64	48

Walk

28.3	27.5	27.6	29.0	28.9	28.6	27.9	29.8	25.5
8.9	9.7	9.6	8.2	8.3	8.6	9.3	7.4	11.7
24	22	20	16		16	19	25	35

31.6	35.6	35.9	36.3	36.A	28.3	22.8	2A.1
5.6	1.6	1.3	0.88	0.79	8.9	14.4	13.1
38	53	72	72	75	75	65	44

Walk

32.9	29.8	28.9	28.9	30.A	30.6	30.3	29.8	29.9	26.7	26.A
4.3	7.4	8.3	8.3	6.8	6.6	6.9	7.4	7.3	10.5	10.8
38	23	21	20	16		16	19	28	34	43

35.3	35.9	36.3	36.A	30.5	32.7	26.5
1.9	1.3	0.91	0.80	6.7	4.5	10.7
53	71	71	75	75	64	50

Walk

Top Hyd. S.W. Corner Kennard & Larpenteur

Sta + π - Elev

943.56

55 + 74 West P. L. Kennard

✓

+ 85 Gutter Line

✓

56

9.9

+ 06.5 $\neq$ Kennard

✓

Lt.

April 26, 1967

Rt.

27

36.0	35.4	34.3	32.3	32.5	32.1	31.9	30.8
7.6	8.2	9.3	11.3	11.1	11.45	11.7	12.8
72	62	38	16		14	33	56

G.V.

36.4	37.9	31.4	30.4	30.4	30.6	30.8
7.20	5.72	12.16	13.2	13.2	13.0	12.8
72	100	129	117	100	79	74

Walk

34.3	33.0	31.4	32.8	33.0	32.6	31.7	30.9	31.2
9.3	10.6	12.2	10.8	10.6	11.0	11.9	12.7	12.4
50	31	26	22		16	36	63	83

35.4	37.5	30.7	30.7
8.2	6.1	12.9	12.9
70	100	121	100

36.3	35.4	34.9	34.4	33.8	34.0	33.6	32.7	32.0	31.9
7.3	8.2	8.7	9.2	9.81	9.6	10.0	10.86	11.6	11.7
72	53	37	16	MH		15	38	62	75

MH

38.1	31.9	31.6
5.5	11.7	12.0
100	116	100

Sta + π - Elev.

943.56

56+33

✓

+41

✓

+46 MH 6' RT 8.25 35.31

+63

✓

LT

April 26, 1967
 28

35.8	34.6	34.5	35.0	35.0	34.5	33.9	33.2	32.3
7.8	9.0	9.1	8.6	8.6	9.1	9.8	10.4	11.3
64	39	19	15	16	34	62	85	

36.1	37.8
6.9	5.8
85	100

32.0	32.1
11.6	11.5
106	100

34.4	32.5	32.7	35.2	35.3	34.7	34.0	33.4	33.2
9.2	11.1	10.9	8.4	8.3	8.9	9.6	10.0	10.4
27	22	19	15	18	41	60	75	

37.1	39.7	39.9
6.5	4.9	3.7
46	70	100

32.1	32.6	32.8
11.23	10.96	10.8
101	91	90
Conc Walk B, + Walk		

36.4	35.4	35.3	35.9	36.2	35.6	35.0	34.9	34.2
7.2	8.2	8.3	7.7	7.4	8.0	8.6	8.8	9.4
26	23	20	17	17	36	52	66	

37.9	37.4
3.7	0.2
42	68

35.1	34.9
8.5	8.8
87	71

Sta + π - Elev

943.56

57

✓

TP 6.14 949.57 0.13 943.43

+38

✓

+70 $\neq$ Ent. Lt.

✓

April 26, 1967

29

Lt.

£

Rt.

38.0	36.8	36.8	37.6	37.8	37.3	36.8	35.8	36.2
5.6	6.8	6.8	6.0	5.8	6.3	6.8	7.8	7.4
23	21	20	17		15	35	52	58

A1.2

A3.5

36.3

→ 2.4 0.1 S.S.
38 48
Copper Ent Post

7.3
63

38.8	37.7	37.8	39.1	39. A	39.0	37.7	38.6	38.5
10.8	11.9	11.8	10.5	10.2	10.6	11.9	11.0	11.1
24	23	21	17		14	34	37	46

A2. A

A5. A

A6.1

38.1

→ 7.2 4.2 3.5
37 49 52

11.5
66

A3.7

A2.5

A1.1

A0.6

A0.6

A0.0

39. A

39.5

39.2

58.7	7.10	8.5	9.0	9.0	9.6	10.2	10.1	10.4
39	31	22	15		19	32	33	34

Conc. Ent.

A5.3

46.8

7.7

48.7

48.7

39. A

38.8

4.32

10.2

10.8

49

59

70

83

95

50

40

Conc Ent

Sta + π - Elev.

949.57

58

✓

+20 Ent Rt + Lt.

50.7

49.6

48.4

90

75

61

+59 Ent Rt

✓

59

Lt.

£

Rt.

30

3^{9.9}3^{9.9}A^{1.3}A^{1.6}A^{1.6}A^{0.8}A^{0.4}A^{0.6}A^{0.6}

9.7

9.7

8.3

8.0

8.0

8.8

9.2

9.0

9.0

23

21

19

14

21

29

40

50

A^{1.7}A^{3.7}A^{6.0}A^{7.5}

7.9

5.9

3.6

2.1

25

31

45

56

A^{6.9}A^{5.9}A^{4.1}A^{2.4}A^{2.3}A^{2.2}A^{1.4}A^{1.5}A^{1.7}A^{1.8}

2.65

3.73

5.50

7.2

7.3

7.4

8.2

8.1

7.9

7.8

50

43

31

21

14

21

27

41

50

Conc Est

A^{3.7}A^{2.6}A^{2.1}A^{2.9}A^{3.1}A^{3.3}A^{2.8}A^{4.2}A^{5.4}

5.9

7.0

7.5

6.7

6.5

6.3

6.8

5.4

4.2

30

23

21

19

16

18

33

50

A^{6.3}A^{8.2}

3.3

1.4

39

50

A^{8.5}A^{5.2}A^{4.0}A^{3.7}A^{4.0}A^{4.4}A^{4.6}A^{4.3}A^{4.7}A^{6.2}A^{7.2}

1.1

4.4

5.6

5.9

5.6

5.2

5.0

5.3

4.9

3.4

2.4

32

22

21

20

16

17

19

35

50

50

Sta + π - Elev.

949.57

59+05 $\pm$ Ditch Lt.

✓

T.P. 7.22 952.95 3.84 945.73

+30

✓

+32 Ent Rt

+48

2 April 26, 1967

Lt

RT 31

AA.0	A3.9	AA.2	AA.5	AA.7	AA.5	AS.1	AS.5	A7.A	A9.2
5.6	5.7	5.4	5.1	4.9	5.1	4.5	4.1	2.2	0.4
27	23	19	15		18	20	23	32	50

AB.2	AS.0	A9.1
3.4	1.6	0.5
38	56	62

AS.1	AA.6	AA.5	AA.9	AS.2	AS.5	AS.5	AB.2	A7.9	A9.1
7.9	8.4	8.5	8.1	7.8	7.5	7.5	6.8	5.7	3.9
21	20	19	17	13		18	23	32	50

A7.A	50.A
5.6	2.6
32	50

Duplicate +30

AS.6	AS.5	AB.1	AB.9
7.4	7.5	6.9	6.1
18		30	50

AS.5	AS.0	AS.0	AS.7	AS.9	AL.0	AB.0	AB.5	A7.1
7.5	8.0	8.0	7.3	7.1	7.0	7.0	6.5	5.9
22	21	20	19	15		19	30	50

A7.6	50.A
5.4	2.6
32	50

Sta + π - Elev.

952.95

520 51.6 50.7

59+65 $\pm$ Ent Rt & Lt

95 80 6.5

+83 $\pm$ Ent Lt

Elev

22
20.8
80 481 65

+89

28
21
48

TP 10.67 958.01 5.61 947.34

60

✓

+30 Ent Rt

Lt. 33.6

April 26, 1967

St

32

A9.2	A8.8	A7.6	A6.6	A6.5	A6.6	A7.3	A7.8
328	421	544	6.5	6.5	6.4	5.7	5.2
50	42	28	18		17	35	50

Conc Ent

A7.8	A7.7	A7.6	A7.1	A7.2	A7.1	A7.1	A7.7	A9.2	50.3
517	525	543	59	58	59	59	5.3	38	2.7
50	43	29	15		16	20	22	32	50

Conc

51.0	A9.3	A7.8	A7.3	A7.4	A7.4	A7.3	A7.9	A9.3	50.3
2.0	3.7	5.2	5.7	5.6	5.6	5.7	5.2	3.7	2.7
50	38	26	18		16	20	22	32	50

Top E. End Culv

50.0	A7.6	A7.2	A7.6	A7.8	A7.6	A7.6	A7.9	50.1
80	10.4	10.8	10.4	10.2	10.4	10.5	10.1	7.9
34	22	21	16		15	18	21	38

52.1

50.3

5.9

50

7.7

50

A8.1	A8.1	A8.6	A8.8	A8.7	A8.5	A8.5	A9.3	50.0
99	9.9	9.4	9.2	9.3	9.5	9.5	8.7	8.0
20	19	17	14		14	18	34	50

A8.6	50.7	52.9
9.4	7.3	5.1
22	36	50

Sta + π - Elev.

958.01

57.0

56.6

60+45 Ent Lt

100

87

+75 Ent Rt

✓

61

+32 Ent Rt & Lt

Elev $\rightarrow$ 59.3

59.1 56.0

98

80

55

+82 ~~L~~ Ent Rt

FX
WM
WJ

58.6

April 23, 1967

33

Lt.

RT

56.0	53.3	53.7	50.7	49.4	49.0	48.9	48.6	49.4	50.3	50.2
69	59	50	31	17	14	18	28	35	50	50
Conc										

49.8	49.4	49.3	49.6	49.7	49.6	49.5	49.3	49.7	50.3	50.2
8.2	8.6	8.7	8.4	8.3	8.4	8.5	8.7	8.3	7.7	7.8
23	22	20	18	16		15	18	29	50	49

51.1	51.8
5.9	3.2
34	50

55.1	52.7	50.2	49.8	50.2	50.3	49.8	49.6	49.9	50.0
2.9	5.3	7.8	8.2	7.8	7.7	8.2	8.4	8.1	8.0
50	36	23	22	16		15	19	30	50

693

55.4	54.4	52.3	51.0	50.9	50.6	50.1	50.3	50.6	51.1
264	359	568	7.0	7.1	7.4	7.9	7.7	7.4	6.33
50	44	30	17		14	17	35	50	Apron
Conc									

54.3	52.1	52.0	51.4	51.8	52.0	51.7	51.7	51.9	51.9	51.9
3.5	5.9	6.0	6.4	6.2	6.0	6.3	6.25	6.10	6.07	6.12
35	25	22	20	15		16	22	28	43	50
Conc										

57.6
0.4
50

Sta + π - Elev
958.01

62

✓

+30 W. R. L. Flandrau H

+45

+59 $\angle$ Flandrau N. + Gutter St

+70

April 27, 1967

11.

RT 34

$5^{2.9}$	$5^{2.3}$	$5^{1.9}$	$5^{2.1}$	$5^{2.2}$	$5^{1.8}$	$5^{1.7}$	$5^{1.3}$	$5^{1.2}$
5.1	5.7	6.1	5.9	5.8	6.2	6.3	6.7	6.8
27	23	20	16		14	18	21	22

$5^{5.0}$	$5^{1.5}$		$5^{2.2}$	$5^{1.8}$
3.0	0.5		5.8	5.2
36	50		50	29

$5^{A.A}$	$5^{2.9}$	$5^{2.2}$	$5^{2.1}$	$5^{2.A}$	$5^{2.0}$	$5^{1.7}$	$5^{1.5}$	$5^{2.9}$	$5^{2.0}$
3.6	5.1	5.8	5.6	5.6	6.0	6.3	6.5	5.1	5.4
50	32	24	18		15	18	24	27	50

$5^{3.3}$	$5^{2.9}$	$5^{2.1}$	$5^{2.0}$	$5^{2.5}$	$5^{2.2}$	$5^{1.9}$	$5^{2.8}$	$5^{2.0}$
4.7	5.1	5.3	5.4	5.5	5.8	6.1	5.2	5.4
75	50	39	20		15	21	26	50

$5^{A.5}$	$5^{3.8}$	$5^{3.3}$	$5^{2.9}$	$5^{2.5}$	$5^{2.0}$	$5^{2.0}$	$5^{1.9}$	$5^{1.5}$
3.5	4.2	4.7	5.1	5.5	6.0	6.0	6.1	6.5
100	76	48	21		19	43	50	64

$5^{3.9}$	$5^{3.3}$	$5^{3.0}$	$5^{2.6}$	$5^{2.3}$	$5^{2.A}$	$5^{1.0}$	$5^{1.9}$
4.1	4.7	5.0	5.4	5.7	5.6	6.4	8.1
82	52	25		18	39	72	108

Sta + π - Elev

958.01

62+84

63 E. P.L. Flandrow S.

+50

+66 $\pm$ Ent Rt

BM

1.92

956.09

And check

955.99

64

T.P. 5.22 956.61 6.62 951.39

for Ent. See page 43

+40

15

92

24

April 27, 1967

RT 35

$s^{1.3}$	$s^{1.4}$	$s^{1.7}$	$s^{2.8}$	$s^{2.6}$	$s^{2.2}$	$s^{1.8}$	$s^{1.7}$	$s^{0.9}$
3.7	4.4	5.3	5.2	5.4	5.8	6.2	6.3	7.1
64	51	33	20		22	44	50	70

$s^{1.2}$	$s^{1.0}$	$s^{3.1}$	$s^{2.1}$	$s^{2.1}$	$s^{2.6}$	$s^{2.1}$	$s^{2.1}$	$s^{3.0}$	$s^{3.7}$
0.8	2.0	4.6	5.6	5.6	5.4	5.6	5.9	5.4	5.0
55	44	29	25	18		17	24	30	34

$s^{8.0}$	$s^{1.9}$	$s^{1.9}$	$s^{2.2}$	$s^{1.6}$	$s^{1.9}$	$s^{2.1}$	$s^{1.6}$	$s^{1.7}$	$s^{1.8}$	$s^{3.1}$	$s^{3.7}$
0.0	2.1	5.1	5.8	6.4	6.1	5.9	6.4	6.3	6.2	4.9	4.3
17	38	29	23	20	17		17	19	24	38	50

$s^{8.1}$	$s^{1.5}$	$s^{3.0}$	$s^{2.2}$	$s^{1.1}$	$s^{1.7}$	$s^{1.9}$	$s^{1.1}$	$s^{1.6}$	$s^{2.2}$
10.1	1.5	5.0	5.8	6.6	6.3	6.1	6.6	6.4	5.8
46	39	29	23	21	17		18	27	50

$s^{8.0}$	$s^{5.1}$	$s^{1.9}$	$s^{1.1}$	$s^{1.8}$	$s^{1.2}$	$s^{1.3}$	$s^{0.9}$	$s^{0.9}$	$s^{2.0}$	$s^{2.0}$
0.0	2.9	6.1	6.6	7.2	6.8	6.7	7.1	7.1	6.03	6.01
47	38	28	24	21	17		18	24	37	50

Walk

$s^{1.8}$	$s^{1.1}$	$s^{1.1}$	$s^{0.5}$	$s^{0.1}$	$s^{0.1}$	$s^{0.6}$	$s^{0.1}$	$s^{0.2}$	$s^{0.3}$	$s^{0.8}$
1.8	2.3	5.1	6.1	6.5	6.2	6.0	6.5	6.4	6.13	5.84
50	42	30	25	22	18		17	20	35	50

Walk Walk

Sta + π - Elev.

956.61

64+65

+92 M.H. Lt 7.15 49.46

65 Ent Rt.

+11 Ent Lt

Elev. 49.8
89
Conc

+30 Ent Rt.

+43

+72

April 27, 1967

36

11

BT

51.2	53.1	50.5	50.1	49.8	50.1	50.1	49.7	49.5	49.8	50.3	50.1
24	35	61	65	68	65	65	69	71	68	63	62
50	41	29	23	21	18		16	19	23	33	50

52.9	50.6	49.6	49.1	49.4	49.4	49.0	48.7	49.1	49.2	49.2
3.7	60	70	75	72	72	76	79	75	742	736
50	31	24	21	18		17	21	29	32	45+50

Conc

49.7	49.5	49.0	48.6	49.2	49.2	48.7	48.5	48.7	48.9	48.9
6.87	7.1	7.6	8.0	7.4	7.4	7.9	8.1	7.9	7.7	7.7
Comp 50	50	29	23	18		17	19	21	26	50

49.2	48.6	48.2	48.7	48.8	48.4	48.0	48.3	48.6	48.6
7.4	8.0	8.4	7.9	7.8	8.2	8.6	8.3	8.0	8.0
50	27	23	18		17	22	26	39	50

51.9	51.2	49.1	48.2	47.8	48.4	48.5	48.3	47.9	48.2	48.4	48.4	48.5
4.7	5.4	7.5	8.4	8.8	8.2	8.1	8.3	8.7	8.4	8.23	8.2	8.14
50	43	32	23	21	19		16	21	26	35	39	49

Conc

48.1	47.6	47.2	47.2	47.7	47.9	47.6	47.1	47.6	48.0	48.3
8.5	9.0	9.4	9.4	8.9	8.7	9.0	9.5	9.0	8.6	8.3
29	24	23	21	19		17	20	24	37	50

50.6	50.9
6.0	5.7
40	50

Sta + π - Elev.

956.61

66

+35 Ent Rt & Lt

50.8
50.6
50.5
87 75 63

+50

+91

67 Ent Lt

✓

TP 3.89 948.73 11.77 944.84

Lt.

April 27, 1967

RT

37

51.3	50.8	47.7	47.2	46.6	47.2	47.5	47.0	46.6	47.0	47.8	47.9
53	58	89	94	100	94	9.1	9.6	10.0	9.6	88	8.7
50	44	29	24	21	19		16	19	22	35	50

50.1	49.5	48.7	47.7	47.0	46.9	46.9	46.3	46.1	46.9	47.0	47.1
53	712	7.93	8.94	9.6	9.7	9.7	10.3	10.5	9.7	9.57	9.46
55	46	37	27	23	18		16	19	30	38	50

Conc

Conc.

50.4	50.2	48.9	46.8	46.1	46.5	46.6	46.0	45.6	46.4	47.3	47.4
6.2	6.4	7.7	9.8	10.5	10.1	10.0	10.6	11.0	10.2	9.3	9.2
50	45	32	26	20	18		17	20	26	36	50

49.8	48.9	46.2	45.9	45.3	45.5	45.6	45.5	45.1	45.5	46.8	47.5
6.8	7.7	10.4	10.7	11.3	11.1	11.0	11.1	11.5	11.1	9.8	9.1
50	34	26	24	22	19		16	21	25	31	50

48.1	46.6	45.6	45.5	45.3	45.4	45.3	44.9	45.6	46.9	47.2
8.5	10.0	11.0	11.1	11.3	11.2	11.3	11.7	11.0	9.7	9.4
49	37	29	24	19		16	21	26	31	50

49.4	49.9	50.0
7.2	6.7	
63	73	89

Sta + π - Elev
948.73

67+14 Ent. Rt.

✓
+25

BM 6.80 948.68 6.87 941.86 (941.88)

+50

for Ent see page 43

+75

+86

FX
WM
LPD
WJ

LT.

April 27, 1967
May 1, 1967

RT

38

A ⁶	A ^{6.0}	AA ⁵	AA ⁷	A ^{5.0}	AA ⁸	AA ⁷	AA ⁹	A ^{5.2}
23	37	42	4.0	3.7	3.9	4.0	38	3.52
30	23	22	19		16	19	22	25
								Conc

A^{7.7}

1.0
50

$A^{5.5}$	$A^{6.5}$	$A^{5.0}$
2.21	261	3.16
<u>50</u>	<u>42</u>	<u>31</u>
	conc	

A ^{5.8}	A ^{5.6}	A ³	AA ¹	AA ⁴	AA ⁷	AA ⁴	AA ⁰	AA ⁶	AA ⁹	A ^{7.5}
2.9	3.1	34	4.6	4.3	4.0	4.3	4.7	4.1	1.8	1.2
50	43	29	20	17		16	22	25	33	50
Top Hyd S.W. Corner White Bear Ave. + Larp										

AA ²	A ^{3.6}	AA ⁰	A ^{3.7}	A ^{3.9}	AA ¹	A ^{3.8}	A ^{2.9}	A ^{3.1}	A ^{7.0}	A ^{7.4}
4.5	5.1	4.7	5.0	4.8	4.6	4.9	5.8	5.0	1.7	1.3
50	32	23	22	18		17	21	25	34	50

A ^{2.7}	A ^{2.6}	A ^{3.1}	A ^{2.9}	A ^{3.1}	A ^{3.4}	A ^{3.1}	A ^{2.5}	A ^{3.1}	A ^{7.0}	A ^{6.9}
6.0	6.1	5.6	5.8	5.6	5.3	5.6	6.2	5.6	1.7	1.8
50	45	26	24	19		16	20	23	34	50

A ^{2.6}	A ^{2.6}	A ^{2.7}	A ^{2.6}	A ^{2.8}	A ^{3.1}	A ^{2.8}	A ³	A ²	A ^{2.8}	A ^{2.9}
6.1	6.1	6.0	6.2	5.9	5.6	5.9	6.4	6.26	5.91	5.83
50	39	25	24	19		16	19	19	26	32

G C W

A^{2.3}

6.4
50

Sta + 1 - Elev.

948.68

68

✓

+50

✓

T.P. 5.24 945.45 8.47 940.21

+87

May 1, 1967 Rt 39

11

A2.1	A2.2	A2.3	A2.1	A2.4	A2.8	A2.4	A1.9	A2.2	A2.3
6.3	6.5	6.4	6.6	6.3	5.9	6.3	6.8	6.45	6.22
50	38	26	24	19		16	20	20	27
							G	C	W

A2.0	A2.6
6.7	6.12
50	33
	W

A2.1	A1.3	A0.5	A1.0	A1.4	A1.0	A0.6	A1.1	A1.3	A1.4
6.6	7.4	8.2	7.7	7.3	7.7	8.1	7.60	7.41	7.34
58	31	25	19		16	20	20	28	33
						G	C	Walk	

A1.1	A1.5	A1.9
76	72	6.83
50	34	33

A0.9	A0.6	A0.31	39.8	39.8	39.8	39.7	A0.1	A0.3	A0.3
4.6	4.87	5.24	5.7	5.7	5.7	5.8	5.40	5.18	5.15
41	35	26	26	19		22	22	26	33
Walk		C					C	Walk	

A1.2	A1.7
4.3	3.8
42	50

A0.0	A0.4	A0.8
5.5	5.1	4.74
50	35	33
		C.

Sta + π - Elev.

945.45

68+99

✓

69+08 +06.5 G.N
+10 8 5

+31.84 $\pm$ W. B. Arc.

BM

3.58 941.87 941.88

May 1, 1967

40

Lt

Rt

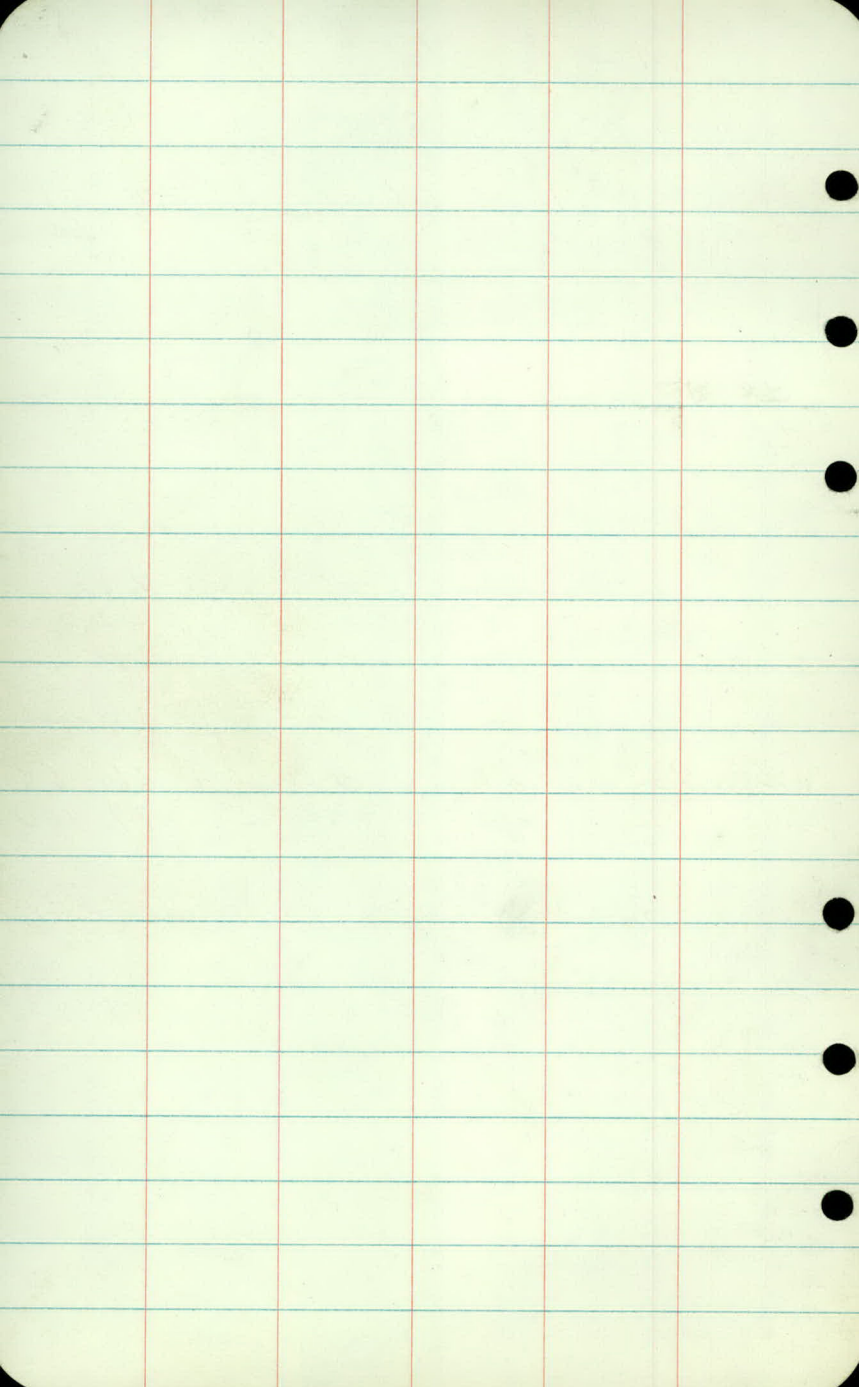
40.2	40.1	40.0	39.9	39.8	39.7	39.6	39.5	39.4	39.3	39.2	39.1	39.0
5.3	5.40	5.54	6.1	6.0	6.1	6.1	5.62	5.71	6.1			
41	35	31	30	18		24	24	33	50			
walk		C				G	C					

40.7	40.7
4.8	4.8
4.3	5.0

39.4	39.3	39.3	39.2	39.1	38.8	38.6
6.1	6.2	6.2	6.3	6.4	6.7	6.9
50	38	20		21	37	50

40.2	40.0	39.7	39.4	39.3	39.3	39.1	38.9	38.7
53	55	5.8	6.1	6.2	6.18	6.4	6.6	6.8
100	79	50	20		22	50	77	100

Top Hyd S.W. Corner Larpenteur & W.B.A.



1
Larpenteur

62-630-11

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

61	6.66	956.96		950.3
----	------	--------	--	-------

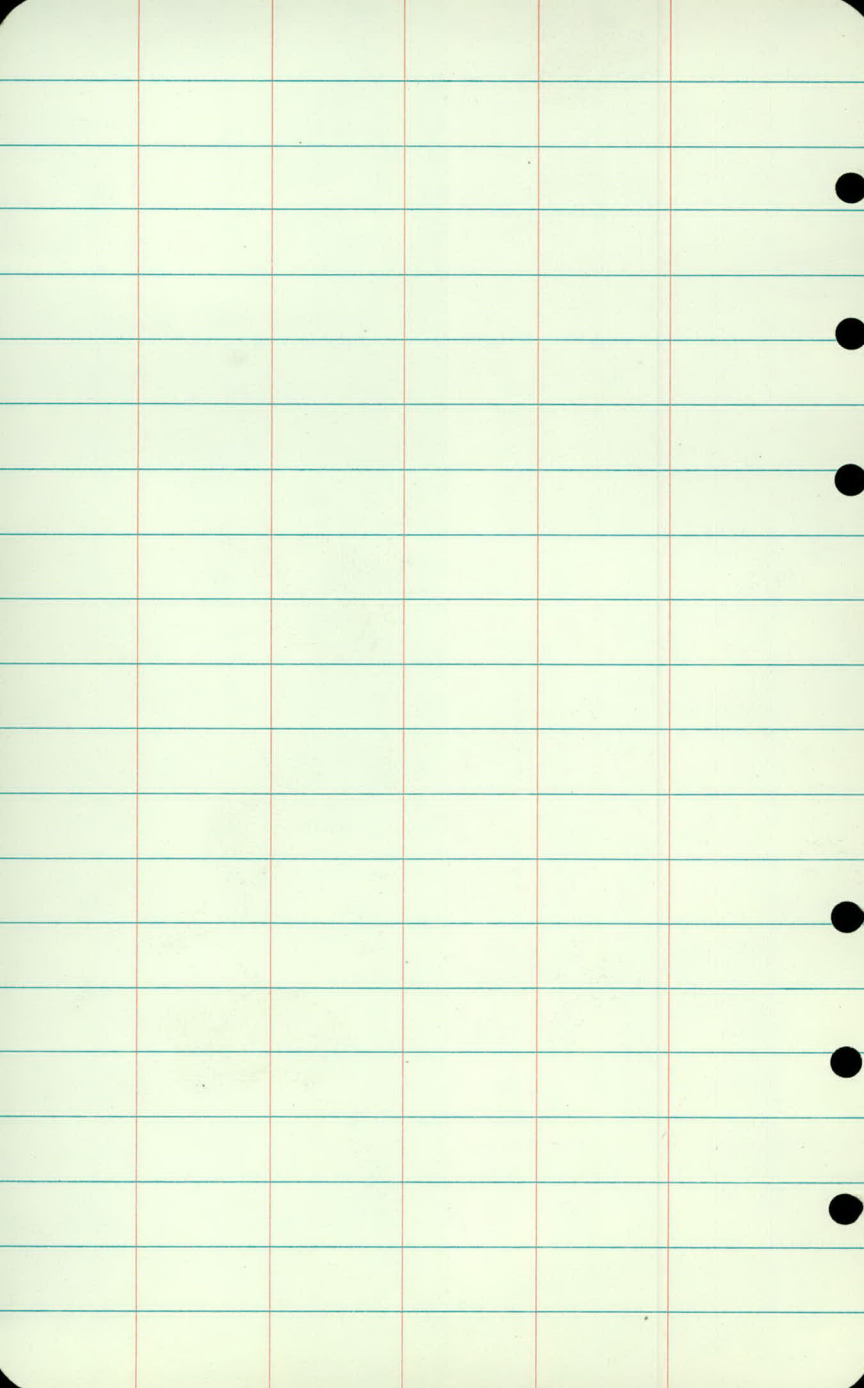
60+49	Wall	Left		
-------	------	------	--	--

FK
LPD

Dec. 21, 1967

2

56.30	56.12	54.40	53.86	51.41	51.16	49.56	49.21
0.66	0.84	2.56	3.1	5.55	5.8	7.4	7.75
Wall	C. Ent	Wall	Ent	Wall	Ent		
<u>68</u>		<u>50</u>		<u>32</u>		17	2



Nov. 17, 1967

①

LARPEUR AVE.

M.H. & C.B. Elev.

891.66

Sta + π - Elev.

BM 0.98 894.39 (893.41)

2+05 MH 19' Lt 7.63 886.76

2+90 C.B. 40' Lt 6.13 888.26

BM 2.98 891.41

T.P. 4.02 890.54 7.87 886.52

4+21 MH 20' Rt 3.94 886.60

5+60 C.B. 18' Lt 6.00 884.54

5+77 MH 2' Lt 6.46 884.08

6+02 C.B. 18' Rt 6.02 884.52

5+90 C.B. 43' Lt 5.90 884.64

6+20 C.B. 43' Lt 6.08 884.46

Nov. 17, 1967

(2)

Top Hyd S.W. Corner Edward & Larp.

New Hyd N.W. Corner Frank St & Harpenteur

Sta	+	π	-	Elev
		890.54		
6+17	? MH 33' Lt		7.04	883.50
6+67	MH 20' Rt		5.91	884.63
6+72	MH 42' Rt		6.10	884.44
BM	0.78	887.70	3.62	886.92
7+87	M.H. 21' Rt		3.14	884.56
9+27	C.B. 18' Lt		8.23	879.47
9+39	CB 18' Rt		8.38	879.32
9+56	MH 15' Rt		8.78	878.92
9+60	MH 18' Lt		9.09	878.61
9+67	C.B 30' Lt		8.42	879.28
BM			5.85	881.85 (881.84)

Nov. 17, 1967

(3)

Top Hyd S.W. Corner Duluth & Larpenteur

Top Hyd S.W. Corner Atlantic & Larpenteur

Sta	+	x	-	Elev	
BM	1.90	879.68			(872.78)
12+97	M.H.	27' Rt	5.64	874.04	
12+96	M.H.	19' Lt	6.14	873.54	
13+08	M.H.	35' Lt	6.19	873.49	
+075	M.H.	1' Rt	5.70	873.88	
+36	C.B.	18' Lt	5.57	874.11	
+37	C.B.	18' Rt	5.50	874.18	
+20 ±	30' Rt	NW ^{Cor} walk	4.78	874.90	for ✓
B.M	2.07	891.52			(889.45)
16+10	C.B.	54' Rt	5.12	886.40	

Nov. 17, 1967

(4)

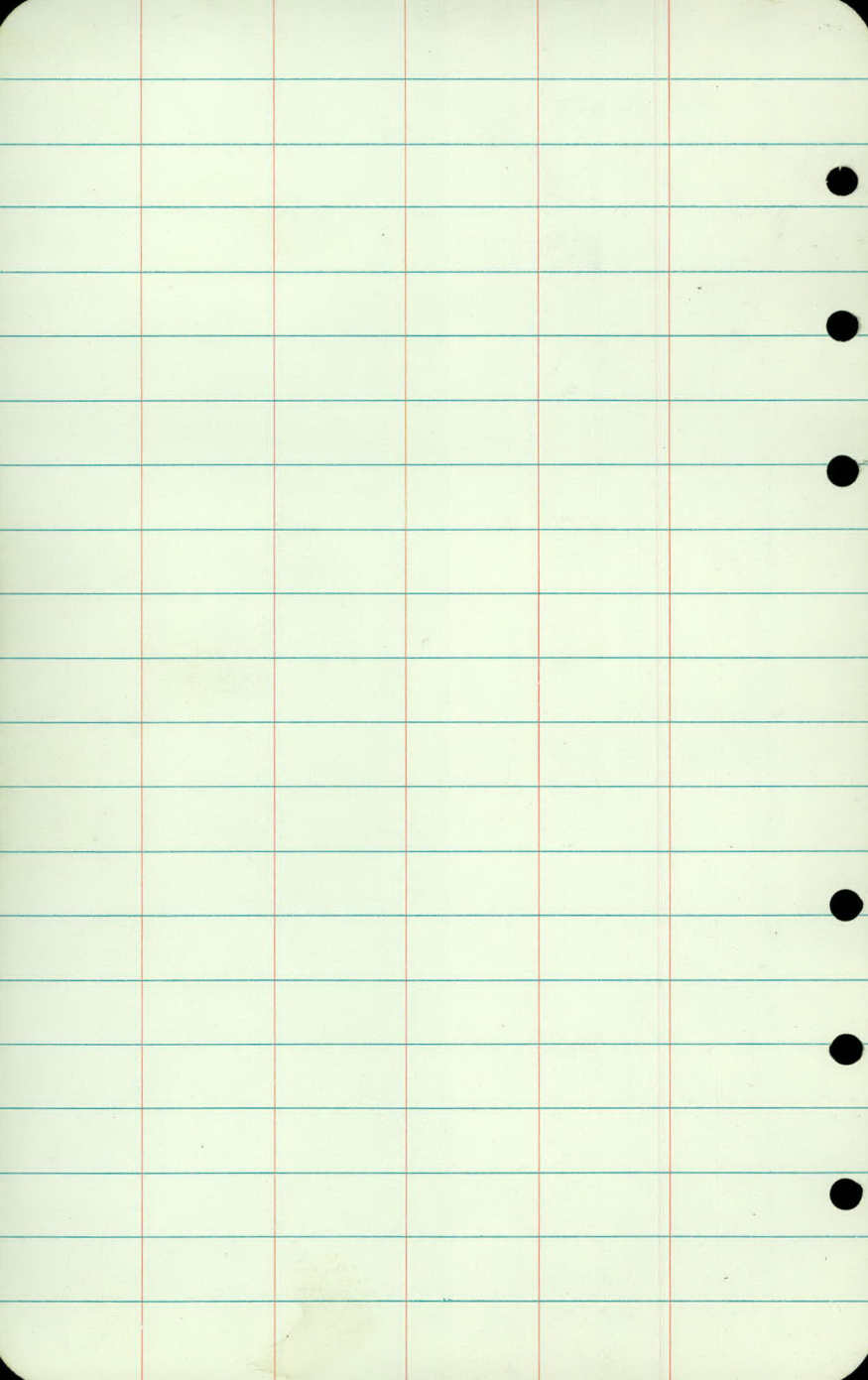
Top Hyd S. W. Corner Chamber & Larpentour

Top Hyd S. W. Corner English & Larp.

Sta	+	Δ	-	Elev.
		891.52		
16+22	MH 52' Rt.	5.61	885.91	
✓ +54	C.B. 55' Rt	5.56	885.96	
✓ +85	C.B. 18' Rt	3.49	888.93	
✓ +85	C.B. 22' Lt	3.50	888.02	
✓ +50	MH 17' Lt	5.21	886.81	
✓ +32	MH 19' Lt	6.02	885.50	
✓ +33	MH 35' Lt	6.05	885.47	
✓ +11	C.B. 53' Lt	6.50	885.02	
17	Σ check	2.86	885.66	

Nov. 17, 1967

(5)



Larpenteur at White Bear Ave

Additional Info

Sta + π - Elev.

BM 3.44

(941.88)

69+08 Gutter Line North

✓

69+10 Gutter Line South

Joints 00 = 2 Larpeur

Dist. N. = Cracks

20

32.9

56.0

80.1

99.9

119.7 ← End Bit. Cover

140 Good S. B. Lane Beyond Bit.

160.1

Rough N. B. Lane to N. St. P. Road

180.

Lt

L

Rt

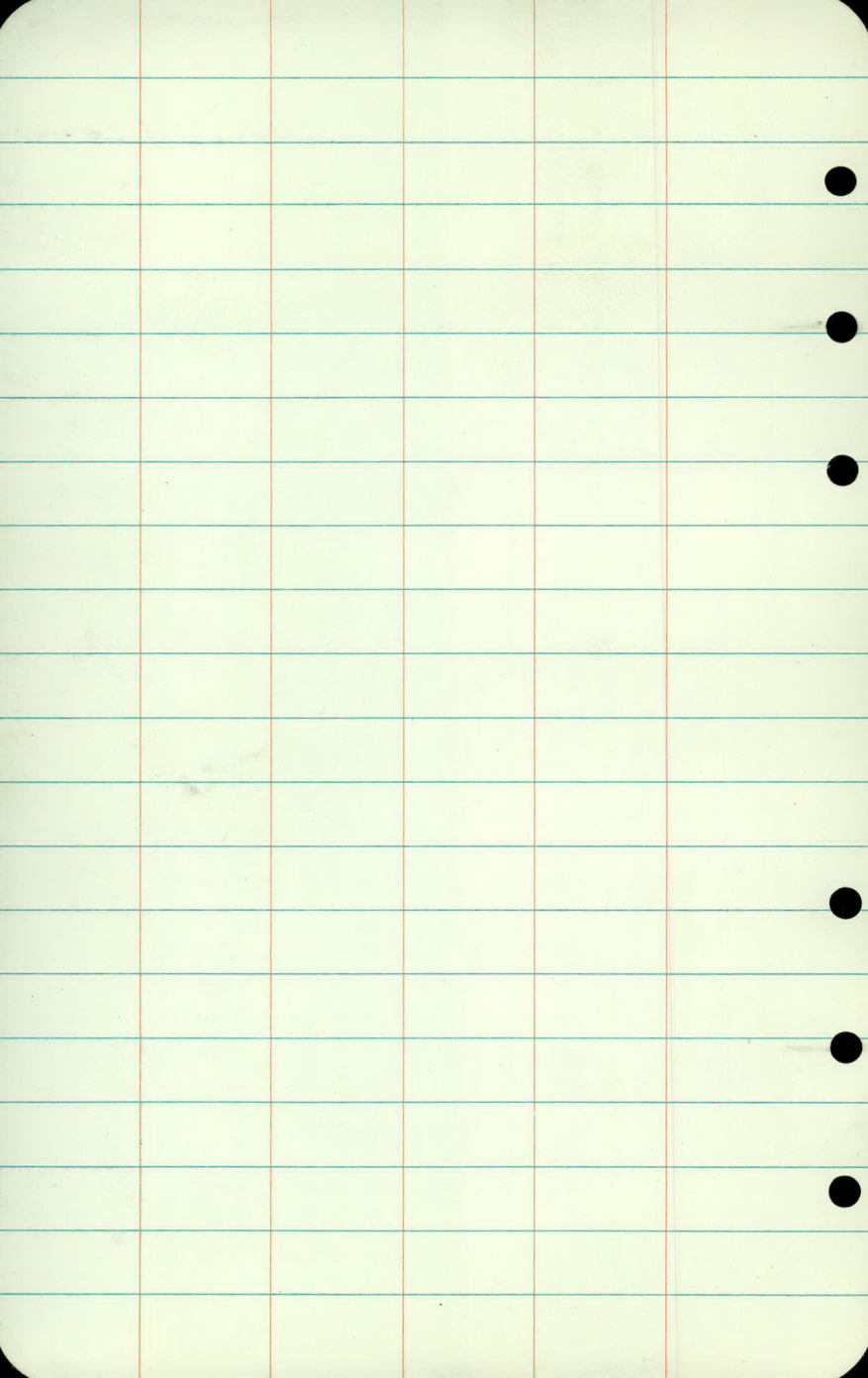
Top Hyd S.W. Corner White Bear Ave & Larp.

5.44	5.68	5.96	6.08	6.05	6.18
99	74	56	37	19	

→	5.20	4.88
	120	140

6.21	6.25	6.59	7.00
23	37	68	

7.53	7.31
126	100



Profile

£ Edward

Sta + π - Elev.

BM 1.10 894.51

893.41

0+00 $\neq$ Larpenieur

0+66 6.8

+85 7.2

7.3

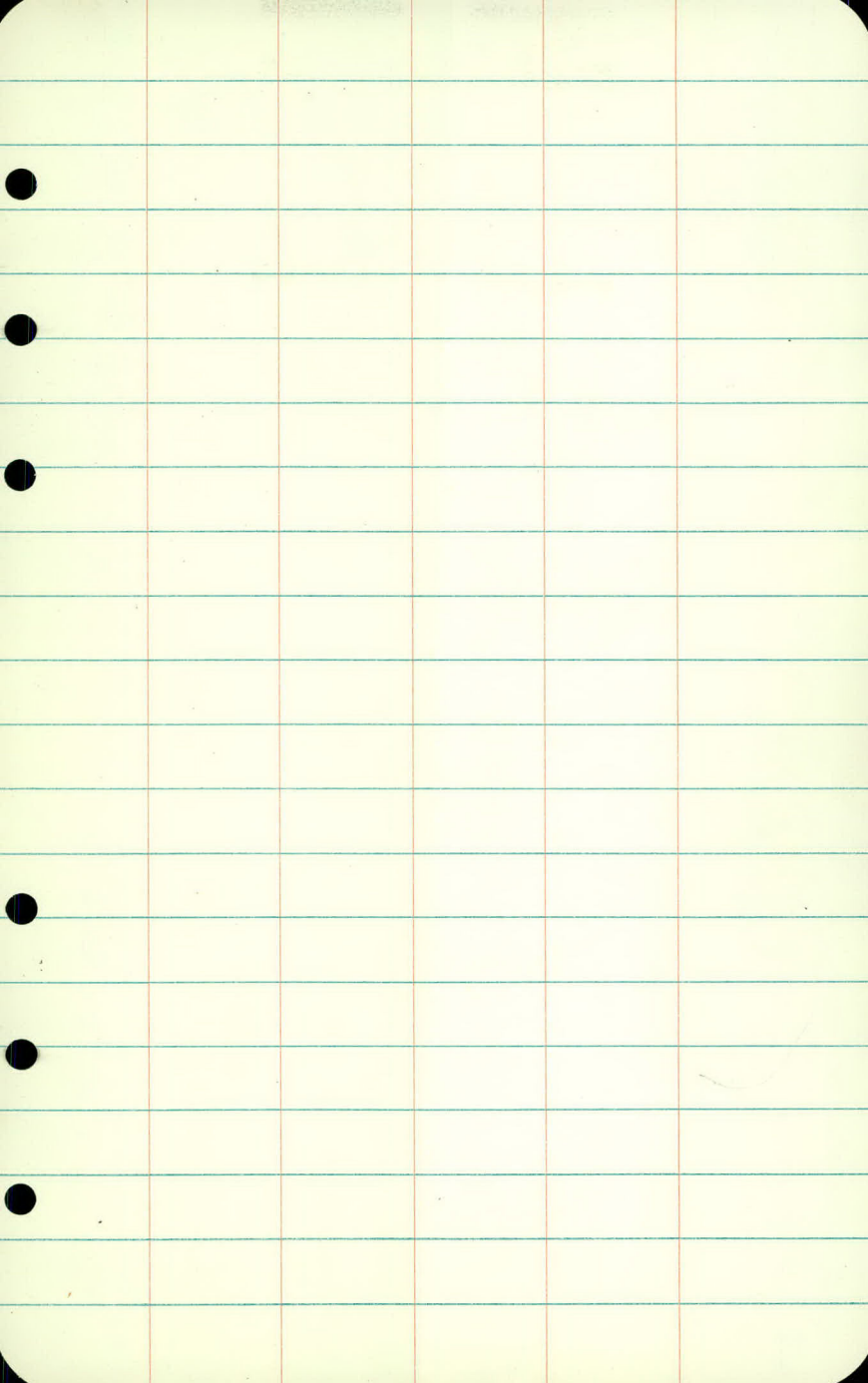
1 7.3

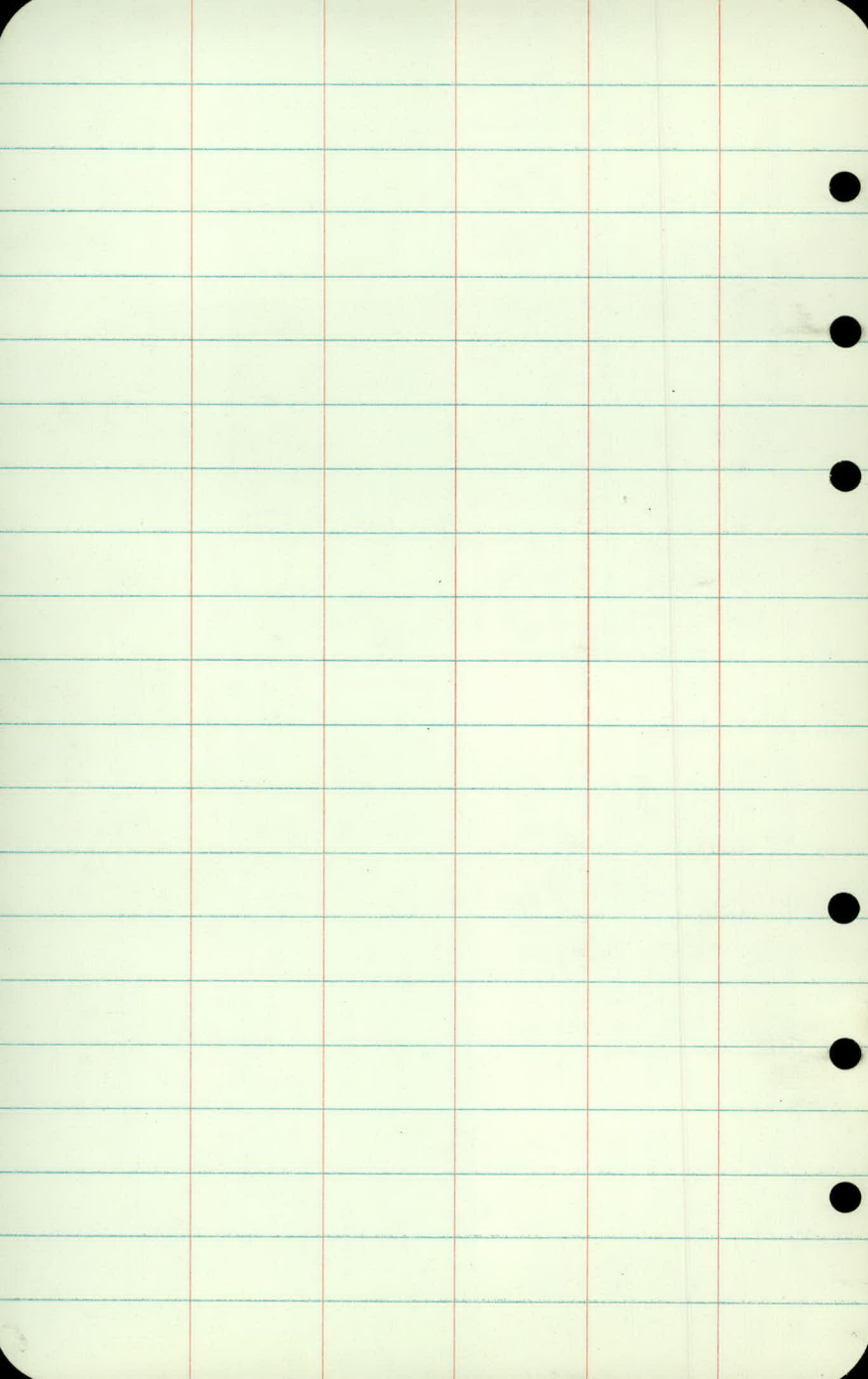
+25 7.5

+50 7.5

+75 7.4 87.1

2 7.3 87.2





Jarp Doe

Sta	+	π	-	Elev
TP	6.96	920.48		913.52 43+00 ±

42+50 First Change Left

43 First Change Rt

✓

+22

✓

+60

Nov. 15, 1967

L

(2)

43410

6.1 10.6 11.1 11.6 11.7 12.8
 144 9.9 9.4 8.9 8.8 8.3
 48 43 32 21 13
 55 ✓

11.2 12.2 14.1 14.4 13.1 13.5 13.2 12.6 13.2 8.0 5.9
 93 83 58 6.1 7.4 7.0 7.3 7.9 7.3 12.5 14.6
 40 36 30 22 16 14 19 29 41 47

7.8 6.7
 12.7 14.3
 47 50

13.5 15.8 15.2 13.7 14.2 13.8 13.9 13.3 16.1
 20 53 53 6.8 6.3 6.7 6.6 5.2 4.4
 34 31 23 18 14 22 40 50

12.7 7.9
 7.8 12.6
 43 50

13.4 15.2 17.6 17.2 15.2 14.9 15.3 15.0 14.2 14.6 15.4 16.3
 7.1 5.3 2.9 3.3 5.3 5.6 5.2 5.5 6.3 5.9 5.1 4.2
 50 41 35 27 22 16 12 16 19 38 50

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

44+00				
-------	--	--	--	--

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

		3.82		
--	--	------	--	--

			Sta 44 $\angle$	
--	--	--	-----------------	--

Nov. 15, 1967

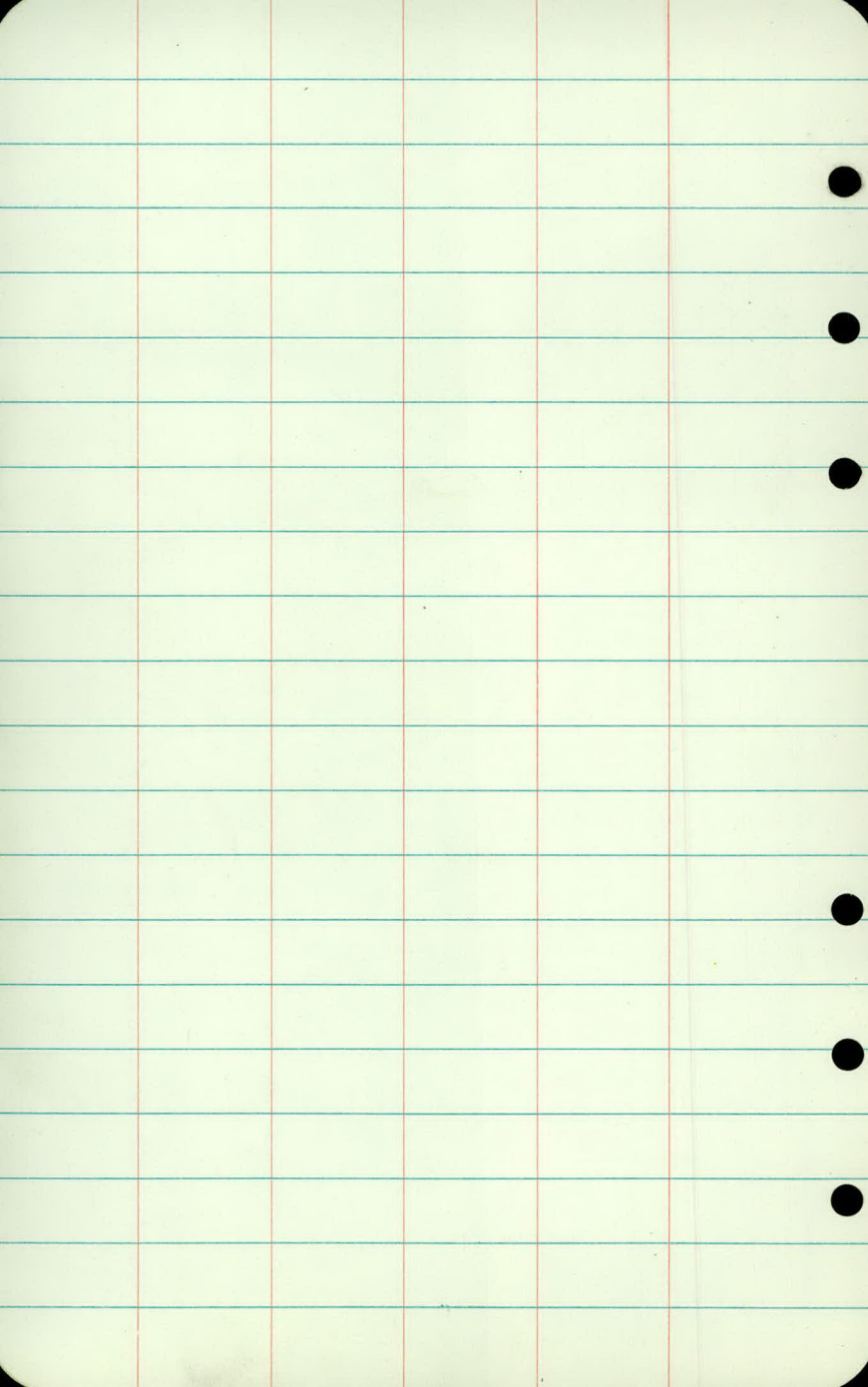
(3)

18.3	19.3	18.4	16.1	16.1	16.7	16.3	15.7	16.5	17.6	18.0
22	1.2	2.1	44	44	3.8	4.2	4.8	40	2.9	2.5
47	38	31	22	18		15	17	20	42	50

16.4

4.1

50



LARPENTEUR AVE

$$\begin{array}{r} 170. \\ \hline 8273 \sqrt{140.0000} \\ \underline{8273} 170 \\ 57270 140.85 \\ \underline{57911} 310.85 \end{array}$$

Sta	+	π	-	Elev.
BM	9.05	944.31		935.26
57+93	M.H. 19' Rt.	3.41	940.90	
58+00	Φ ✓	2.63	941.68	
65+00	6.46	955.86		49.4
64+90	M.H. 5' Lt	6.40	949.46	(49.4)
65+00	NE Cor Conc	6.76	949.10	
BM	4.76	946.64		941.88
68+40	M.H. 22' Rt	5.32	941.32	
Sta 68+00	Φ ✓	3.97	42.67	

FK
LPP

June 9, 1967

Top Hyd SW Corner Kennard & Larp

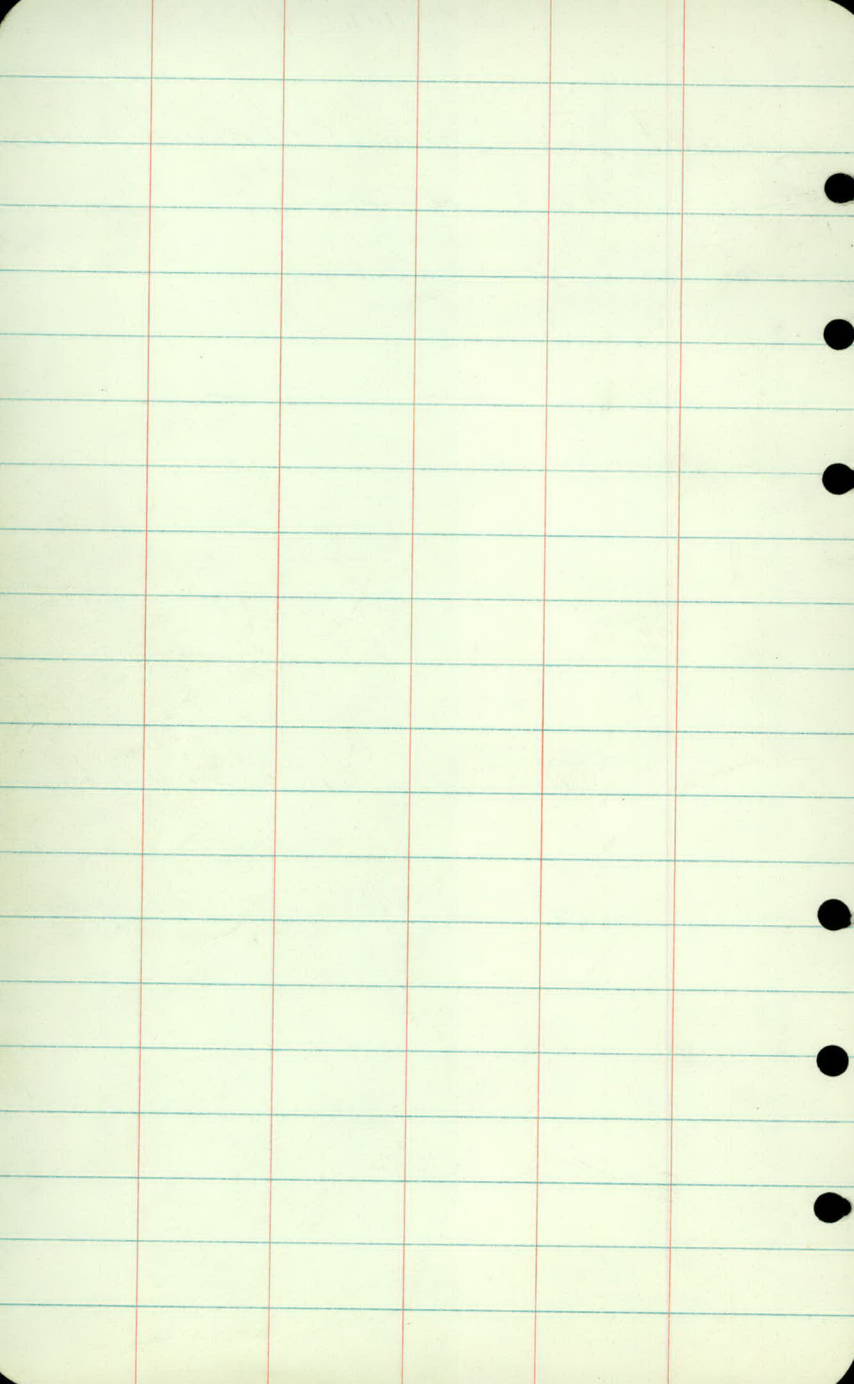
Φ

Ent Rt

56.61
7.42

49.19

Top Hyd S.W. Corner White Bear Ave & Larp



Dec. 11, 1967

1

Larpenieur Ave

Additional Info

5 pages

Sta + π - Elev

22+69 M.H. 47' Lt

Inv. to C.B. B, 17' Below

Top of Casting

1245
080
11.65

No other stub

Steps broken

BM 9.31 934.69

925.38

44+37

+ 74

✓

45

FK
WM
LPD

Dec. 11, 1967

17.

2 2

Top of SW Corner Prosperity & Larpenteur

24.3 20.2 18.9 19.8 18.3 17.8
~~12.7~~ ~~8.6~~ ~~7.3~~ ~~8.2~~ ~~6.7~~ ~~6.2~~
 111 100 90 81 57 27

31.4 29.9 25.9 21.5 20.6 17.9 18.2
 33 48 8.8 13.2 14.1 16.8 16.5
 70 66 55 52 42 35 28

33.6 32.8 29.3 29.2 24.2 21.2
 1.1 1.9 5.4 5.5 10.5 13.5
 73 77 83 88 96 100

20.2 22.3 25.6 29.0 29.7 21.5 17.1 19.1
 14.5 124 92 57 60 13.2 17.6 15.6
 100 95 90 81 75 66 56 26

Sta + π - Elev.

934.69

45+38

11.65
7.05

+71

66

46

✓

+30

✓

0.80 923.04 12.45 922.24

3.81 926.22 0.63 922.41

Dec. 11, 1967

LT

✓ 3

15.3	15.9	17.3	17.8	19.5	20.5
19.4	18.80	17.4	16.9	15.2	14.2
100	79	51	39	35	23

15.1	16.4	17.5	18.1	20.1	21.3
19.0	18.3	17.2	16.6	14.6	13.4
100	73	55	37	35	23

23.7	23.2	18.2	19.0	20.6	21.4
11.0	11.5	16.5	15.7	14.1	13.3
68	65	54	39	34	24

16.5	16.0
18.2	18.7
77	100

18.1	22.3	26.7	27.3	21.0	21.6	22.7
16.6	12.4	8.0	7.4	13.7	13.1	12.0
68	60	51	41	31	21	

16.6	16.3
18.1	18.4
88	100

Sta + π - Elev.

926.22

46+53

+76

47

BM	0.65	^{.06} 926. 03	0.81	925.41	925.38
	4.20	^{.19} 919. 46	10.77	^{.29} 915. 26	

45+38

+71

46+00

13.23
0.32
12.91

Dec 15/1967

17.

£

4

16.5

16.9

18.0

20.2

21.5

9.7

9.3

8.2

6.0

4.7

100

77

57

36

23

16.9

17.7

19.2

21.0

21.4

9.3

8.5

7.0

5.2

4.8

100

69

48

33

24

17.3

18.2

19.3

20.6

21.1

8.9

8.0

6.9

5.6

5.1

100

77

57

36

23

14.2

14.5

14.3

14.2

14.9

5.3

5.0

5.2

5.3

4.6

197

172

155

135

113

Fe

15.0

15.6

15.6

4.5

3.9

3.9

157

137

118

15.7

16.0

3.8

3.5

131

113

Sta + π - Elev.

^{.47}
919.46

12.9

44+37

✓

+74

45+00

✓

4A+74 £

0.14 ^{.35} 919.32

Dec 11, 1967

5

99A.90

99A.8

99A

03.8

09.7

24.6

24.7

20.1

15.7

10.8

161

151

139

131

123

96.7

98.0

97.A

97.A

22.8

21.5

22.1

22.1

165

175

191

211

NG

06.2

05.3

01.6

06.6

13.3 14.2

17.9

LEVEL to

150

12.9

200 180

178

160

123

NG

Same Slope to

12.2

11.4

02.6

895.9

00.2

06.6

7.3

7.9

16.9

23.6

19.3

12.9

174

169

161

151

125

115

19.5

19.9

22.A

13.8

14.0

200 + 0.4

+ 2.9

5.7

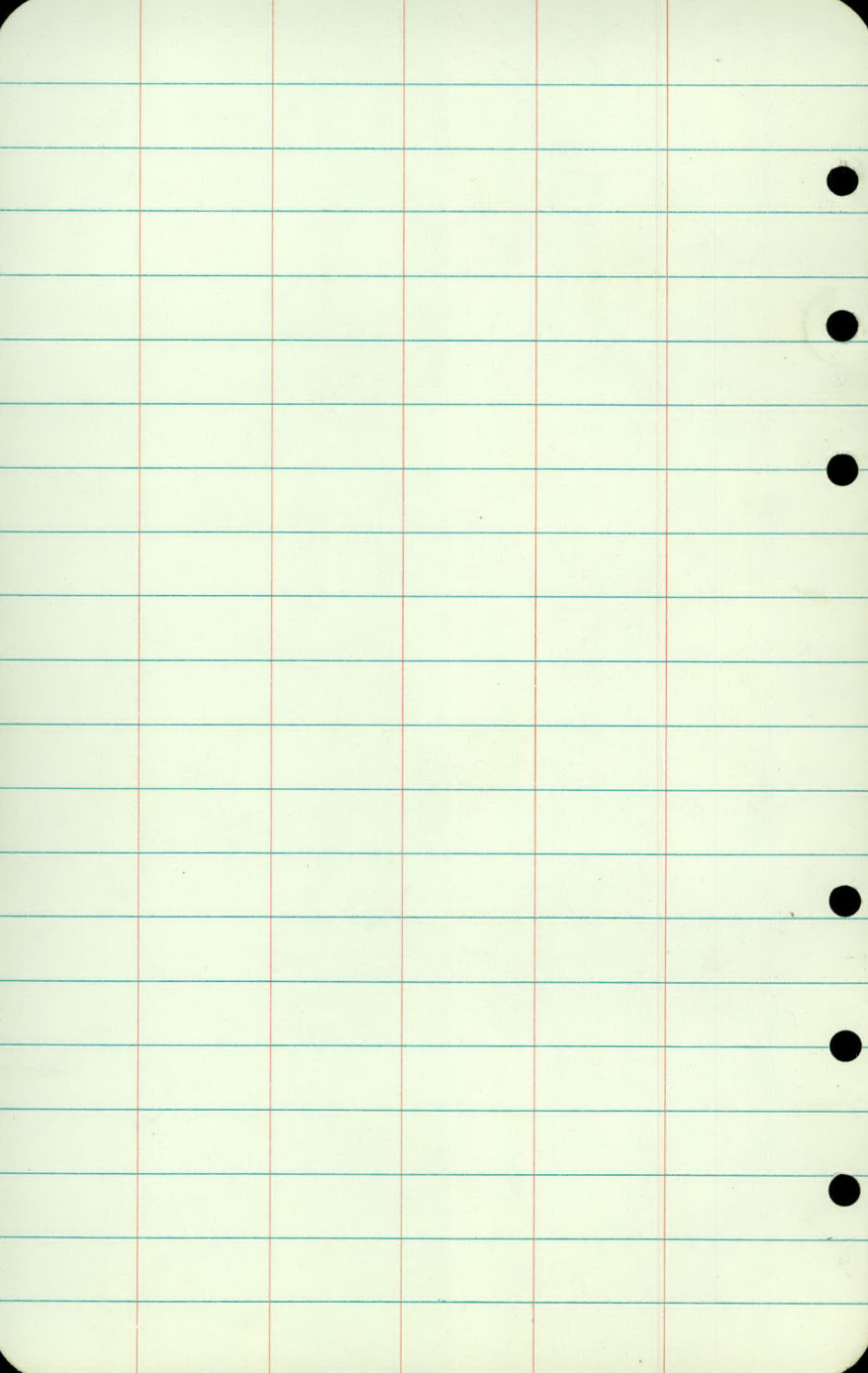
5.5

187 194

200

210

230



FK
WM
LPD

Dec. 7, 1967.

1

Larpenteur Avenue

Phalen to White Bear Ave.

ADDITIONAL INFORMATION

Sta + π - Elev.

BM 1.06 894.47 (893.41)

2+07 MH 21' Lt. 7.72 86.75

3+07 Cannot Locate exactly

3+15 face C.B ^{37 to} 42' Lt. 6.20 88.27

BM 3.05 891.42[✓] (891.41)

4+20 N. Edge MH. 19.0' Rt.

BM 1.95 888.89 (886.94)

6+17 MH 33' Lt. 5.39 83.50

5+66 MH 18' Lt. 5.42 83.47

6+00 $\pm$ check 4.64 84.25 (884.30)

Dec 7, 1967

2

Top Hyd S.W. Corner Edward

Top New Hyd N.W. Corner Frank

Top Hyd S.W. Corner Duluth

Sta	+	π	-	Elev.
B.M.	2.23	884.07		(881.84)
9+38	E. Face C.B.	30-35' Lt		
		4.63	79.44	
Sta 10	± check	5.44	78.63	(878.68)
BM	3.50	898.28		(894.78)
19+68	MH	48' Lt	9.23	89.05
19+70	Face C.B. 18.4' Rt	5.80	92.48	
19+73	Face C.B. 22.2' Lt	6.16	92.12	
20+11	Surface Drain MH 46' Lt	11.08	87.20	
23+36	Face C.B. 24.2' Lt	4.70	93.58	
23+56	Face C.B. 20.3' Rt	4.34	93.94	
BM		1.43	896.85	(896.84)

Dec. 7, 1967

3

Top Hyd S.W. Corner Atlantic

Top Hyd S.W. Corner McAfee

Top Hyd S.W. Corner Clarence

Sta + π - Elev.

59 8.16

$\angle$

59+74

~~59+74~~ ✓

+88

✓

60

4.89 ✓

Lt

Dec. 7, 1968

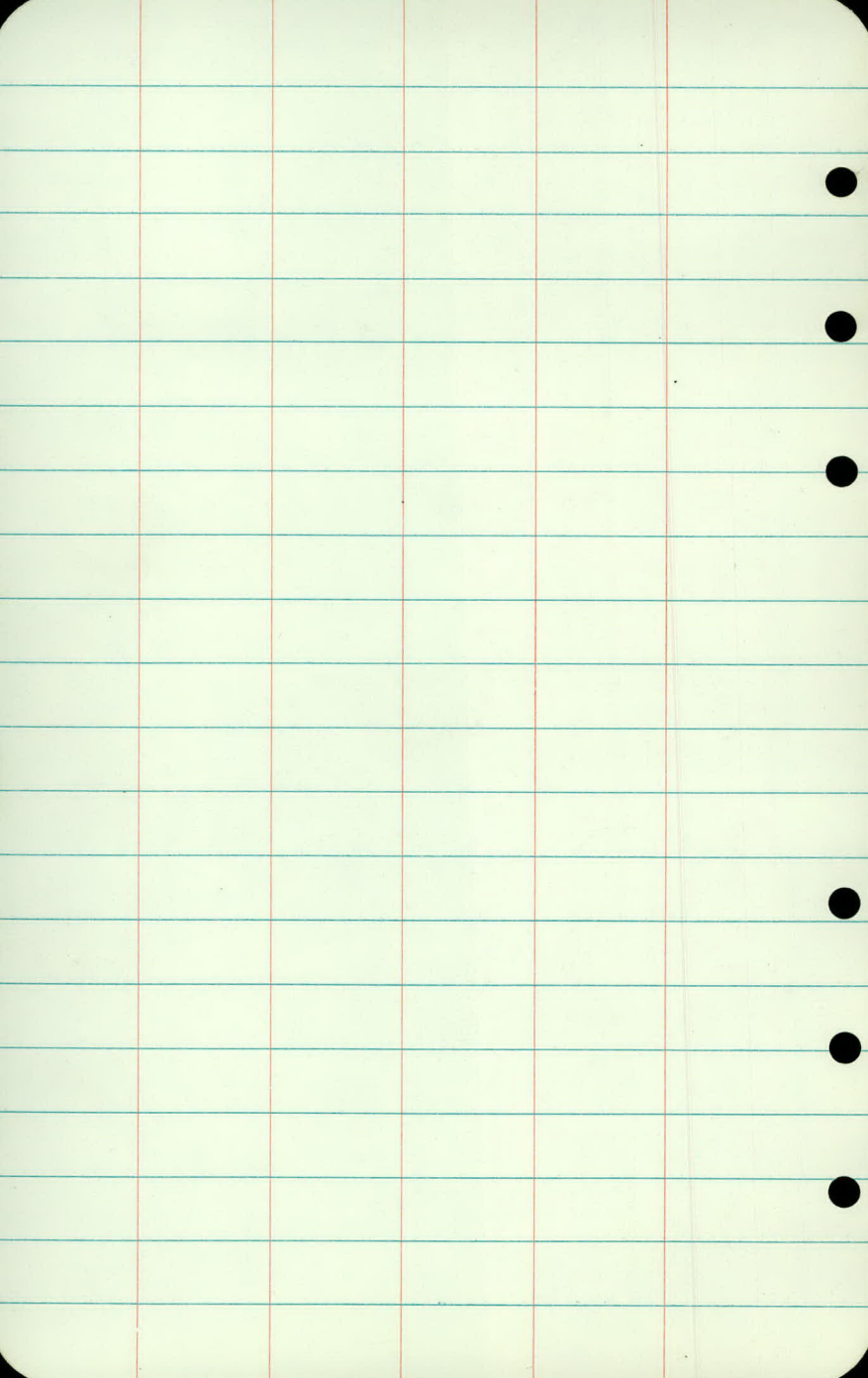
2 4

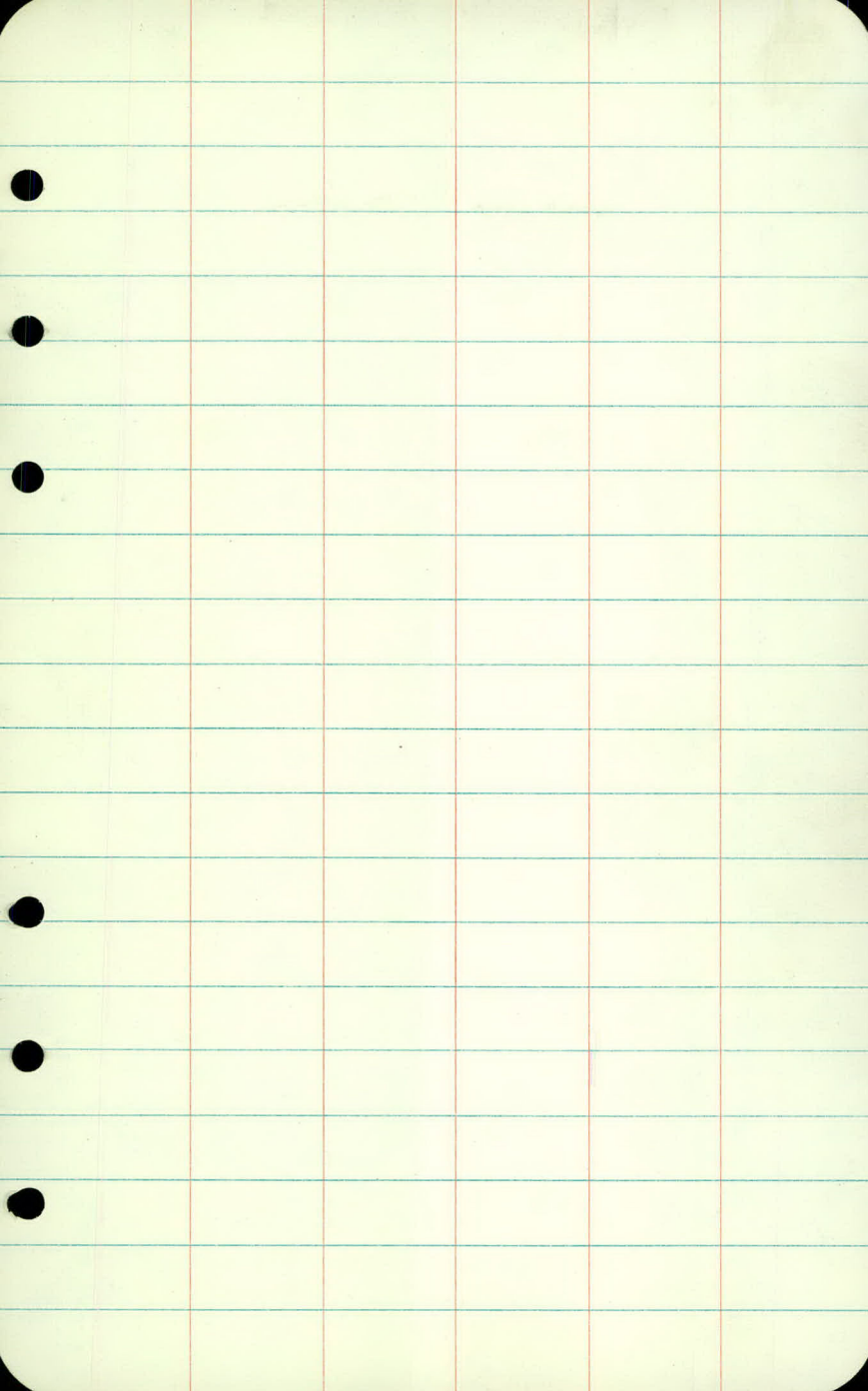
4.5	3.6	4.5	4.7	5.1	5.8	5.9
47	47	46	35	30	18	
Ent Wall						

46	2.0	44	1.2
Ground	Wall	walk	wall
65		77	

2.2	4.89	3.4	5.05	5.20	5.5	5.4
Wall	Ent	Wall	Ent	30	19	
50		39		Cont beg wall @ 36' Lt		

4.60	1.2	4.44	0.00
Ent	Wall	Ent	Wall
60		79	





Sta + π - Elev

BM 2.98

56+77 MH 3' Rt 6.85

56+81 MH ϕ 6.72

57+00 ϕ V 5.36

BM 10.85 894.20

883.35

0+00 10.8 83.4

+14 10.8 83.4

+28 10.6 83.6

+41 10.5 83.7

+49 Covered With Bt.
Edge Conc 10.3 83.9

+63 9.5 84.7

+78 8.8 85.4

1 7.4 86.8

BM 0.80 893.40 893.41

FK
WM
LPD

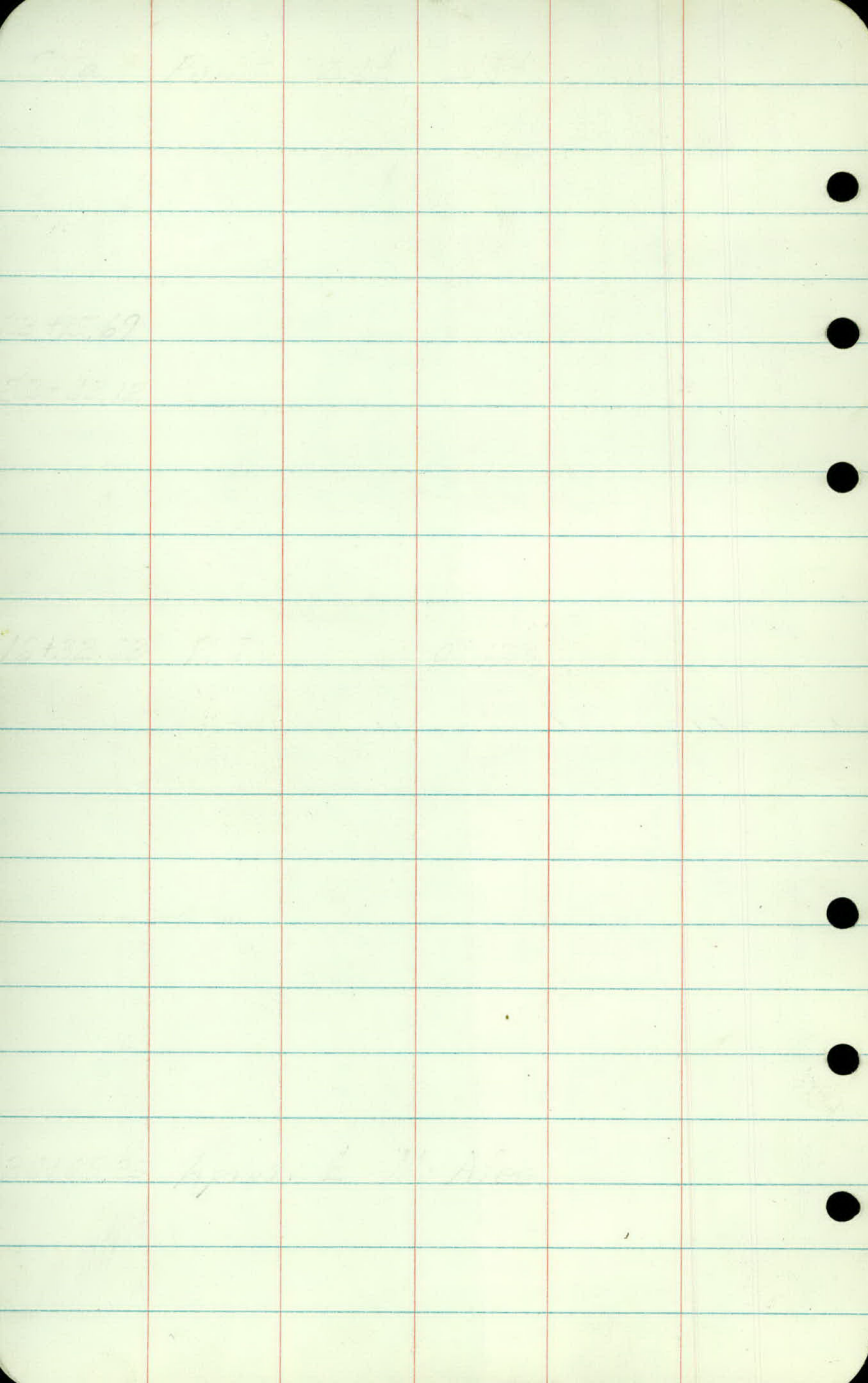
May 22, 1967

2

Top Hyd S.W. Corner Kennard & Larp.

Iron Pin at East Shore Drive

Top Hyd Rt Sta 1+30[±]



March 2, 1967

a

Profile

Sta	+	π	-	Elev.
B.M.	11.23	894.58		(883.35)

+35.5			10.0	84.6
-------	--	--	------	------

+49.5			10.6	84.0
-------	--	--	------	------

+58			10.2	84.4
-----	--	--	------	------

+70			9.6	85.0
-----	--	--	-----	------

1			7.8	86.8
---	--	--	-----	------

+30			6.4	88.2
-----	--	--	-----	------

+50			5.7	88.9
-----	--	--	-----	------

B.M.			1.17	893.41
------	--	--	------	--------

+75			5.3	89.3
-----	--	--	-----	------

2			5.1	89.5
---	--	--	-----	------

March 2, 1967

b

Top
Iron & East Shore Drive & Larpenteur

Top Hyd 38' Rt

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

894.58

2+10

Ent Lt.

3

Frank St.

6.1

885

+93

4	T.P.	3.20	891.01	6.77	887.81
---	------	------	--------	------	--------

+38

Ent Rt

5

5.4

85.6

+09

+50

Lt. 65'

5.8

85.2

+66

MH 21' Lt.

7.48

83.53

Lt

March 2, 1967

Rt.

C

89.7	88.9	88.8
4.9	5.7	5.8
80	50	30
Apron	Brick	Bit

89.9	89.8	89.7
4.7	4.8	5.4
114	100	50

88.8	88.4	87.8
582	623	681
50	40	26
Conc. Ent.		

87.5	86.9
3.52	4.11
50	30
Bit	Bit

85.5	85.2
5.46	5.75
50	30

Sta + π - Elev

891.01

5+97 $\angle$ Duluth Lt.

BM 3.10 890.04 4.07 886.94

6+67 $\angle$ Duluth Rt.

7 4.7 85.3

+06 $\angle$ Ent Lt.

+52 Ent Rt.

8+100 TP 3.67 887.68 6.03 884.01

8+23 $\angle$ Alley

+45 Ent Rt.

Lt.

March 2, 1967

Rt

d

84.2

84.4

84.3

84.3

6.6

6.6

6.7

6.7

109

100

60

25

Down →

Top Hyd SW Cor. Duluth + Larpenteur.

84.8

84.6

84.5

84.1

84.0

5.2

5.4

5.5

5.9

6.0

50

100

150

200

Down →

84.4

85.5

85.5

3.64

4.48

4.5

50

31

30

Conc

Conc

Bit

85.7

81.0

4.29

2.98

27

42

Conc Ent

Sta 8+00

85.5

84.0

84.2

4.2

3.7

3.5

30

50

100

81.7

81.9

6.0

5.8

30

50

Bit

Sta + π - Elev

887.68

9 7.4 80.3

+05 Ent. Lt. Bit.

B.M. 2.26 884.10 5.84 881.84

+50 £ Atlantic Lt.

+80 £ Atlantic Rt.

10 5.3 78.8

+10 Walk Rt.

+34 Ent Lt.

FK
WM
DS
LPD
WJ

March 3, 1967

e

80.3	79.9
7.7	7.8
50	30

Top Hyd S.W. Cor. Atlantic & Larp.

79.5	79.1	79.0	79.2	78.8
4.6	5.0	5.1	4.93	5.28
100	50	30	33	78
Walk				

78.4	78.3	78.0	77.6
5.7	5.8	6.1	6.5
30	50	100	150

79.4	78.8	79.1	78.7
4.7	5.3	4.98	5.36
50	30	33	70
Walk			

Sta + π - Elev.

884.10

10+51 Ent Lt.

11 6.8 77.3

+23

+37 $\neq$ Alley Rtt Ent Lt.

TP 3.33 879.48 7.95 876.15

+54
12 4.3 75.2

+03 Walk Rt.

+95 MH 20' Lt 4.77 74.7

+96 $\neq$ Chambers St

March 3, 1967

Lt.

L

Rt.

f

79.1
5.0
50

78.6
5.5
30

77.2

78.2

6.9

5.92

30

41

Conc

Ent

76.4

76.3

76.5

76.7

7.7

7.8

7.6

7.4

50

30

30

43

~~2.9~~
~~4.3~~

75.0

75.1

4.54

4.36

30

50

Walk

74.4

74.7

75.3

75.5

5.1

4.8

4.2

4.0

30

50

100

150

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

879.48

12+81	CB 41' RT	4.86	74.4
-------	-----------	------	------

13+11	CB 40' RT	4.91	74.6
-------	-----------	------	------

13		5.1	74.4
----	--	-----	------

14		4.0	75.5
----	--	-----	------

+42	Ent RT		
-----	--------	--	--

BM		1.70	77.8
----	--	------	------

T.P.	12.50	891.65	0.33	879.15
------	-------	--------	------	--------

BM.		4.74	886.81	886.88
-----	--	------	--------	--------

15		11.9	79.8
----	--	------	------

BM		2.20	89.5
----	--	------	------

March 3, 1967

Lt.

£

Rt

g

15.1

12.2

4.4

2.3

30

50

Top Hyd S.W. Cor. Chambers & Larpenteur

Top Hyd S.W. Cor English

Sta + π - Elev

891.65

16

6.2

855

+32.65 $\neq$ English

✓

T.P. 7.47 896.92 2.20 889.45

17

8.2

887

18

5.1

91.8

+46 W. Rail

+51 E Rail

19

3.8

93.1

March 3, 1967

Lt.

£

Rt

R

85.4

85.7

86.1

86.6

86.4

86.2

86.1

86.3

86.9

91.7

6.3

5.95

5.59

5.0

5.2

5.4

5.5

5.4

4.8

4.0

50

35

19

25

50

100

150

200

250

85.1

85.4

85.6

6.6

6.3

6.1

100

150

200

H₂d

92.8

92.6

92.5

4.13

4.33

4.38

92.8

92.4

92.5

4.11

4.32

4.40

50

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

		896.92		
--	--	--------	--	--

20				
----	--	--	--	--

			3.9	
--	--	--	-----	--

				93.0
--	--	--	--	------

+04	$\pm$ McAtee			
-----	--------------	--	--	--

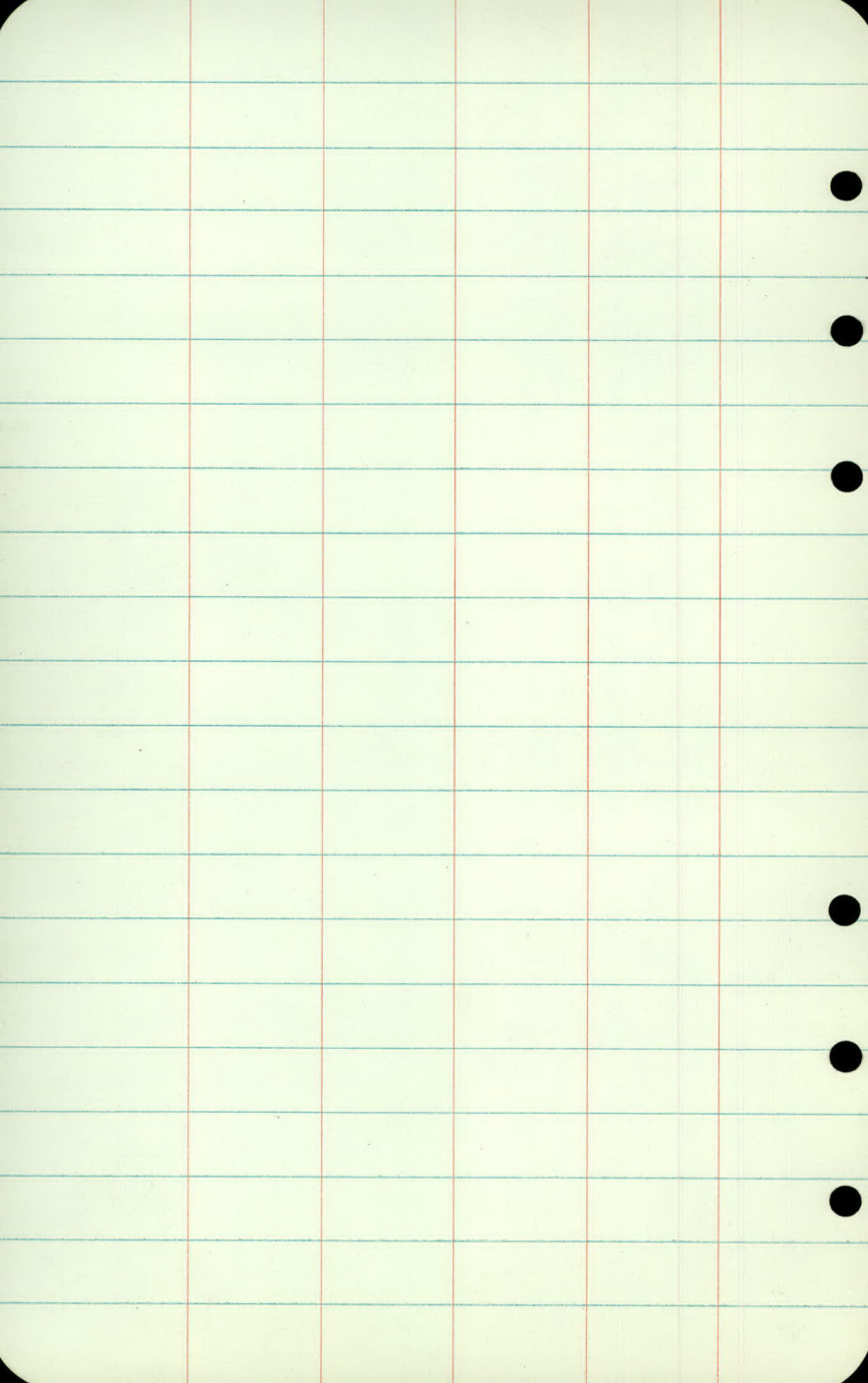
BM				
----	--	--	--	--

		2.14	894.78	
--	--	------	--------	--

March 3, 1967
L Rt i

92.0	92.8	91.4	89.1
3.92	4.1	5.3	7.8
MH	30	50	
23.5			

Top Hyd SW Cor. Mc Afee St & Larp.



j.

Sta	+	Δ	-	Elev.
BM	3.75	898.53		894.78

21			4.9	93.6
----	--	--	-----	------

22			4.7	93.8
----	--	--	-----	------

+49 $\pm$ Ent Rt.

+95 $\pm$ Clarence Lt

23			4.2	94.3
----	--	--	-----	------

+13

BM	3.10	899.94	1.69	896.84
----	------	--------	------	--------

+29	Curbat	CB 38 RT	5.66	94.2
-----	--------	----------	------	------

24			5.3	94.6
----	--	--	-----	------

FR
WM
DS
FS
LPP

March 10, 1967

6

Top Hyd S.W. Cor Mc Afee & Larpenteur

92.4	92.6	93.3	93.5	94.0
6.1	5.9	5.2	4.99	4.5
150	100	50	35	20
			MH	

94.5	95.1
40	3.40
30	49
Bit	Conc

95.8	94.3	95.7	95.4	95.9
4.1	4.22	4.2	4.13	4.0
25	38	50	67	87
	CURB at C.B.		MH	

Top Hyd S.W. Cor Clarence & Larpenteur

Sta + π - Elev.

899.94

24 +06 $\angle$ Ent

+23 $\angle$ Ent Lt

25 4.8 95.1

+13 $\angle$ Ent Lt

+21 Walk Rt

+31 $\angle$ Ent Rt

26 4.1 95.8

+60 $\angle$ Ent Lt

T.P. 4.32 902.05 2.21 897.73

+66 $\angle$ Ent Rt

March 10, 1967

Lt.

RT

l

94.8
5.1
30

95.1
4.8
50

94.4
5.5
30

94.6
5.3
50

94.3
5.6
30

95.7
4.23
34

96.2
3.66
46

95.6
4.3
30

96.3
3.6
50

96.0
3.9
50

95.8
4.1
30

96.7
5.4
30

97.4
4.7
50

Sta + π - Elev.

902.05

26+84 $\pm$ Ent Lt

27 5.9 96.2

28 4.9 97.2

+26 $\pm$ Ent Lt

+88 $\pm$ Ent Rt

29 3.9 98.2

+56.2 $\pm$ Birmingham Lt Curb Rt

+60 $\pm$ Birmingham Rt

+69 $\pm$ Birmingham Rt

BM 2.50 904.01 0.54 901.51

March 10, 1967

m

96.5	96.2
5.6	5.9
50	30

97.8	97.5
4.3	4.6
50	30

98.0	98.3
4.1	3.8
30	50

99.4	99.4	98.9	98.4
2.7	2.7	3.2	3.73
108	100	50	MH
			25

98.8
3.28
38
Carb at C.B.

98.5	98.8	98.9	99.1
36	33	3.21	3.0
30	50	67	100
		MH	

Top Hyd S.W. Cor Birmingham & Larp.

Sta + π - Elev.

904.01

+85 Cutbat CB 38' Rt 5.30 98.7

30 5.2 98.8

31 4.4 99.6

+02 ϕ Ent Lt

+ Walk 30' Lt 3.0 01.0

32 3.7 00.3

+27 ϕ Ent Lt

T.P. 6.51 907.70 2.82 901.19

+54 ϕ Walk 30' Lt 6.27 01.4

B.M. 3.42 904.28

+91 MH 11' Rt 6.88 00.8

+93 6.85 00.8

March 10, 1967

LT

T

RT

n

01.4

00.5

2.6

3.5

44

30

02.7

01.4

1.8

2.6

53

36

Top Hyd S.W. Cor. Manton + Larpenteur

Sta + π - Elev.

907.70

32 + 97 £ Manton St. Rt.

33			6.5	01.2
----	--	--	-----	------

+27	Wolk 30' Lt.	6.08	01.6
-----	--------------	------	------

+ 61 $\notin E_n + Lt.$

+ 77 £ Ent Lt.

34			5,4	023
----	--	--	-----	-----

+12	EWalk 25' Lt.
-----	---------------

+80	2 Walk 30' Lt	4.29	03.4
-----	---------------	------	------

35		4.0	03.7
----	--	-----	------

March 10, 1967

Lt

£

Rt

0

01.0	00.9	00.4	00.2
6.7	6.78	7.3	7.5
25	52	100	150

02.0	01.9
5.7	5.8
50	30

02.2	01.8
5.5	5.9
50	30

02.4	02.2
5.31	5.47
30	25

Sta + π - Elev

907.70

35 +17 $\pm$ Conc Ent Lt

+62 $\pm$ Conc Walk 29' Lt 3.38 04.3

36 2.3 05.4

+19 G.V. 10' Rt 2.07 05.6

+30 MH 18' Lt 2.32 05.4

TP 6.76 912.15 2.31 905.39

+33 $\pm$ Barclay

BM 3.29 908.86

+98 $\pm$ Walk 31 Lt 6.39 05.8

March 10, 1967

Lt

Rt

p

0.9	0.6
382	393
50	30

0.2	0.3	0.5	0.9
7.0	7.9	9.7	11.3
25	50	100	150

Top Hyd S.E. Cor. Barclay & Larpenauv

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

912.15

37			5.4	06.8
----	--	--	-----	------

+26	± Walk Rt.			
-----	------------	--	--	--

+47	± Ent Lt.			
-----	-----------	--	--	--

+83	± Walk 30' Lt	4.65	07.5	
-----	---------------	------	------	--

38		4.3	07.9	
----	--	-----	------	--

+53	± Walk 30' Lt	4.05	08.1	
-----	---------------	------	------	--

+81	± Ent Lt.			
-----	-----------	--	--	--

+94	± Ent Lt			
-----	----------	--	--	--

39		3.8	08.4	
----	--	-----	------	--

B M	2.40	913.74	0.81	911.34
-----	------	--------	------	--------

+27	± Walk 30' Lt	5.25	06.9 08.5	
-----	---------------	------	-------------------------	--

March 10, 1967

Lt

Rt

0.4
4.8
50

0.2
5.0
30

0.4
4.75
19

0.6
4.59
27

0.1
4.11
27*

0.7
3.46
49

0.8
4.4
30

0.0
4.2
50

0.7
3.5
50

0.2
4.0
30

0.9
3.3
50

0.5
3.7
30

Top Hyd S.W. Corner Dieter + Carpenter

Sta + π - Elev.

913.74

39+59 MH 19' Lt 5.90 07.8

40 5.1 908.6

+19 $\neq$ Ent Lt

+33 Walk 3A' Rt 4.67 09.0

+60 $\neq$ Ent Rt

+71 Walk 29' Lt 4.66 09.0

41 4.1 09.6

+03 $\neq$ Ent Lt

+23 $\neq$ Ent Lt

+59 $\neq$ Walk 30' Lt 3.27 10.4

T.P. Sta 42 12.39 923.67 2.46 911.28

Lt

± March 10, 1967

RT

9

09.9

3.76
50

08.9

4.83
33

08.8

4.9
29

09.3

4.36
54
Garage

09.6

4.13
50

09.5

4.18
29

10.6

3.11
50

09.4

4.26
29

Sta + π - Elev

923.67

42+10 MH 19' Lt. 13.06 10.6

43 10.1 13.6

44 6.9 16.8

45 3.4 20.3

46 = TP 5.19 927.61 1.25 922.42

47 5.9 21.7

48 9.0 18.6

+50 10.6 12.0

49 12.3 15.3

+50 13.6 14.0

March 10, 1967

Lt

Rt

R

Sta + π - Elev

927.61

47+17.40 $\pm$ Prosperity

46+50 Walk 44' Rt 5.67 21.9

46+43 Walk 52' Rt 5.51 22.1

4.05
106

BM 2.23 25.4

March 10, 1967

Lt

Rt

L

17.9	19.0	20.3	21.5	22.8	23.7	24.5
9.7	8.4	7.3	6.1	4.8	3.9	3.1
150	100	50		50	100	150

Top Hyd S.W. Corner Prosperity & Larpenoux

Sta + π - Elev.

BM 2.84 889.78 (886.94)

5+00 4.1 885.7

+50 5.1 884.7

+66 5.3 884.5

+83 Curb Line

6 5.4 884.4

+50 5.2 884.6

March 14, 1966

π

FK
WM
DS
LPD

Top Hyd S.W. Cor Duluth & Harpenteur

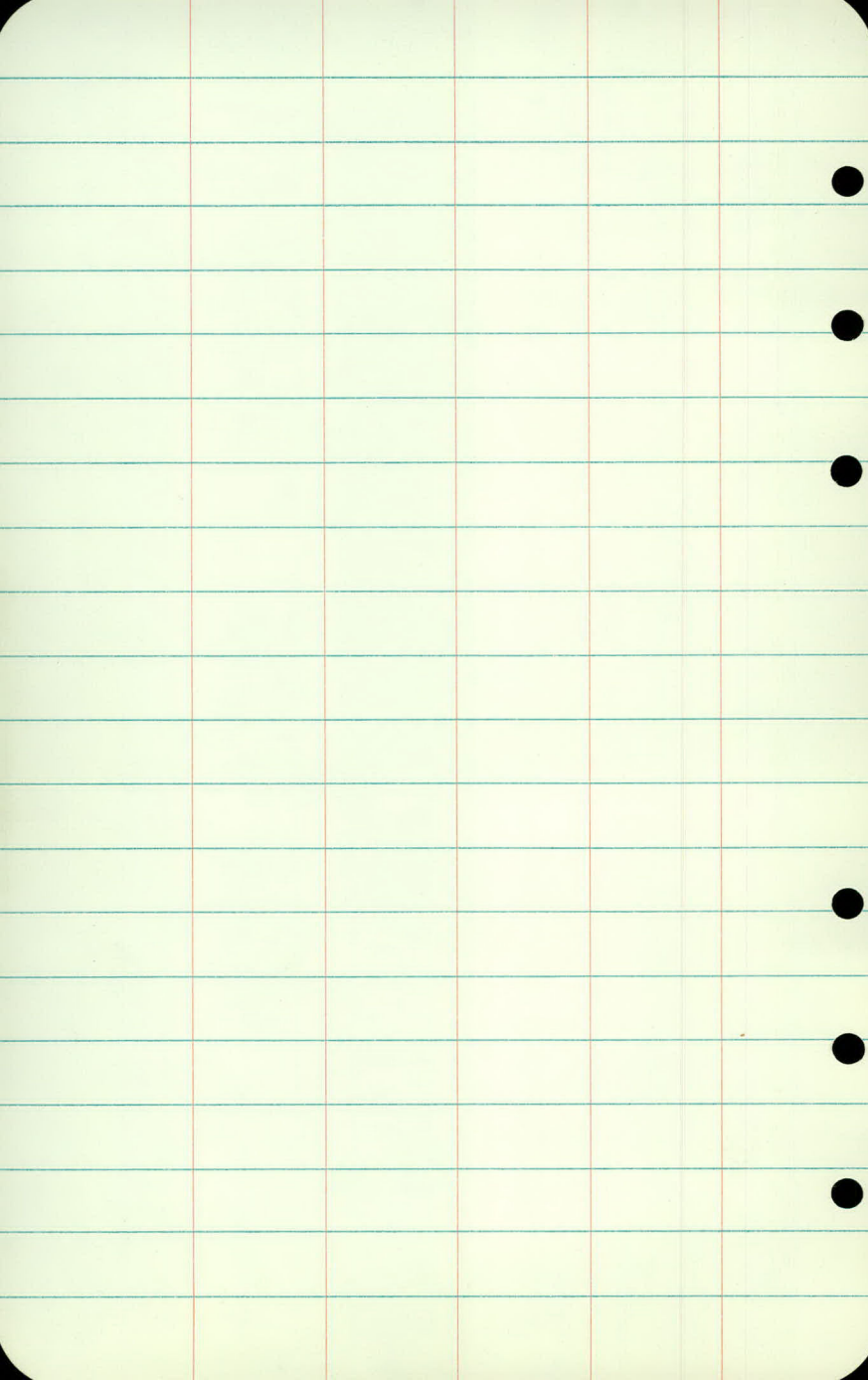
4.4

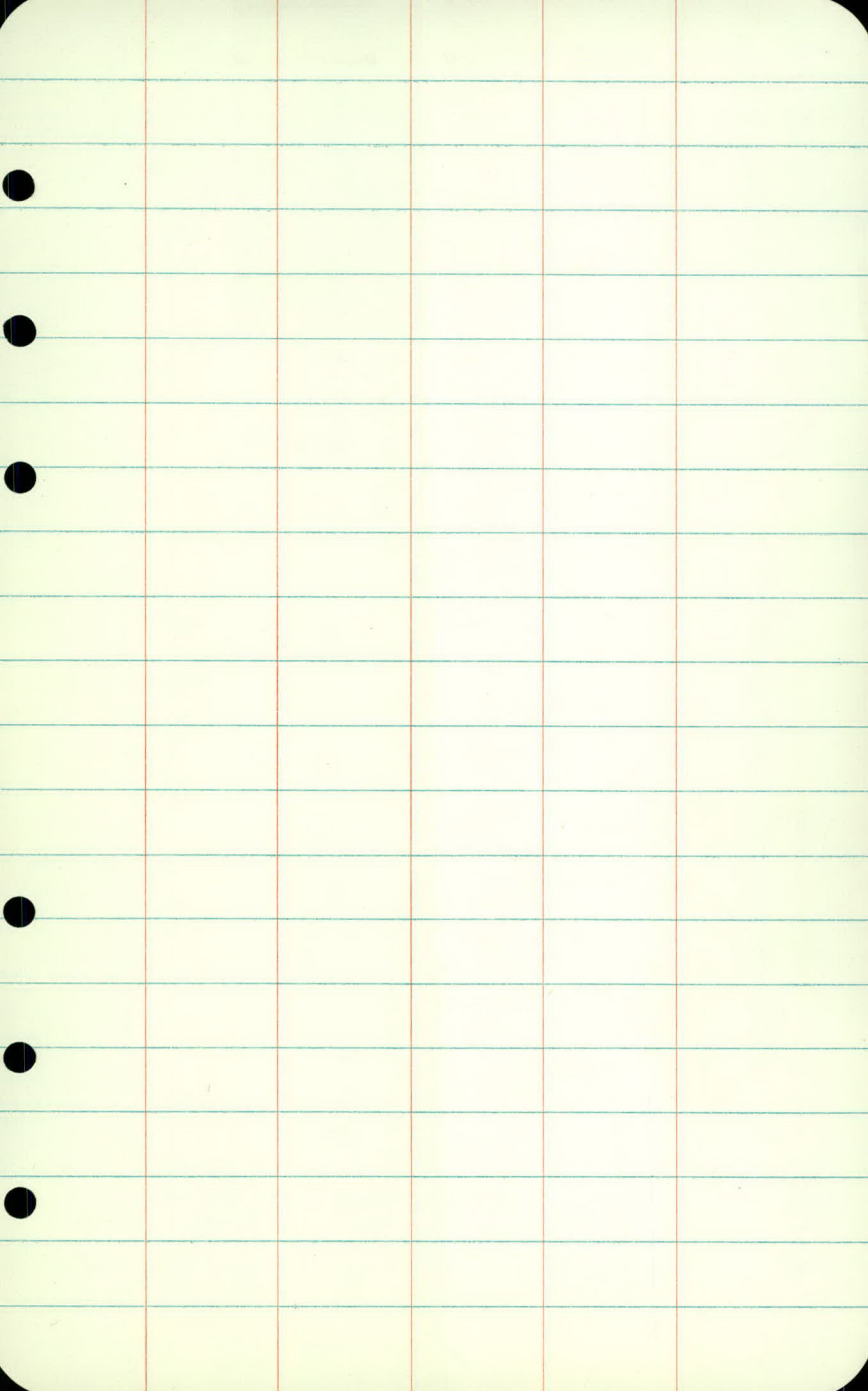
70'

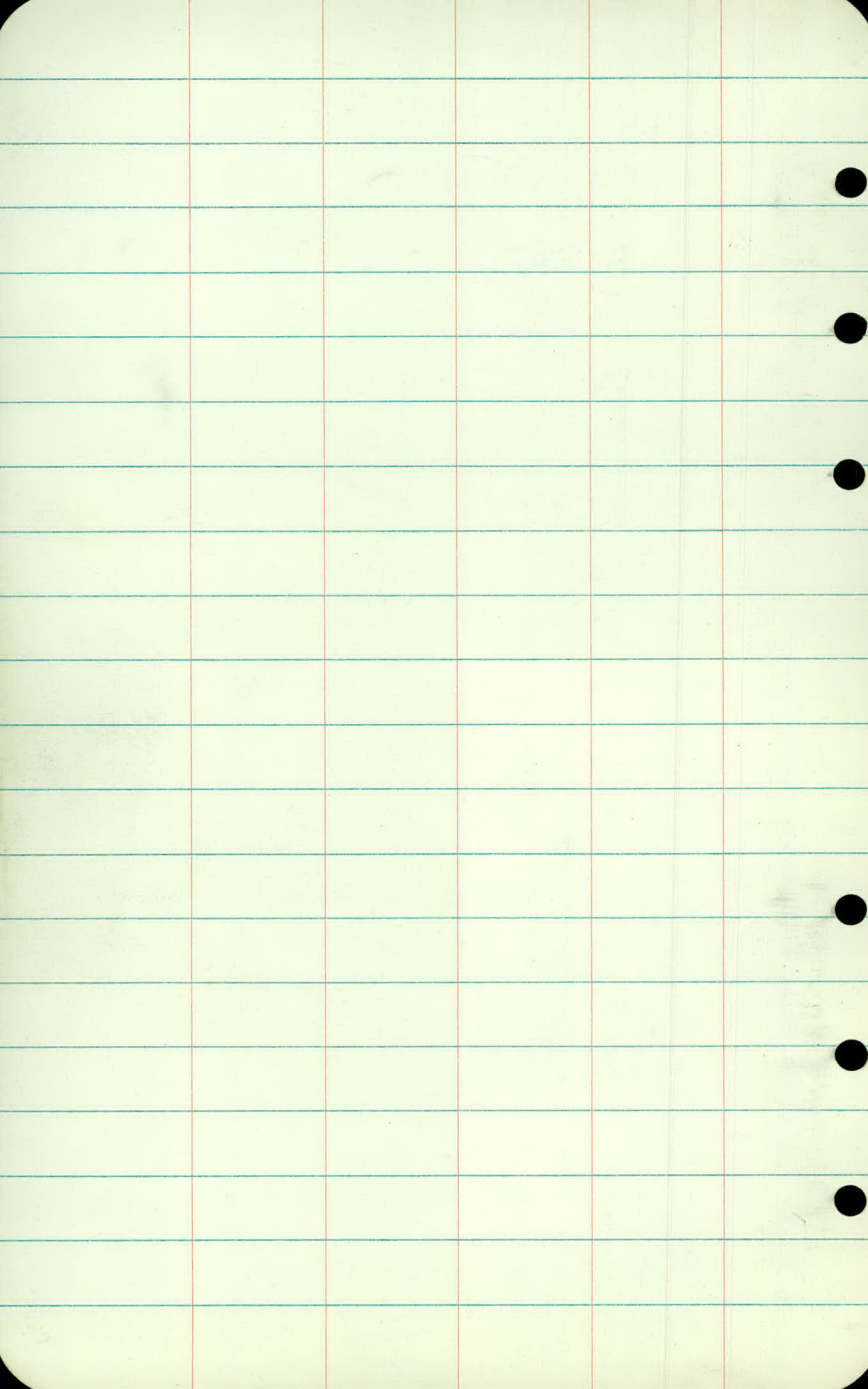
6.7

45

48	4.9	5.0	5.0
100	81	49	25







FK
KP
DS
FS

March 21, 1967

1

Yard Elevations

Sta	+	π	-	Elev
B.M	3.20	900.04		896.84

24

+50

+90

25+50

26

+40

T.P	5.25	902.57	2.72	897.32
-----	------	--------	------	--------

March 21, 1967

2

Top Hyd S.W. Corner Clarence St.

94.6	93.8
5.4	6.2
50	30

94.4	93.9	94.9
5.6	6.1	5.1
50	30	

94.3	93.9
5.7	6.1
50	30

95.0	94.3
5.0	5.7
50	30

95.5	94.6
4.5	5.4
50	30

96.1	95.0
3.9	5.0
50	30

Sta	+	π	-	Elev.
		902.57		

27			6.4	
----	--	--	-----	--

+22

28

+50

29

BM	5.10	906.60	1.07	901.50
----	------	--------	------	--------

30

+50

LT

L

March 21, 1967

RT

3

96.8

58

50

96.4

6.2

30

92.9

4.7

50

91.2

54

30

99.5

8.1

50

98.2

4.4

30

97.8

4.8

30

91.7

4.9

50

00.2

2.4

50

98.5

4.1

30

Top Hyd S. W. Corner Birmingham & Larp.

02.7

3.9

50

99.9

6.7

30

99.8

6.8

30

00.4

6.2

50

03.9

2.7

50

00.9

5.7

30

01.6

5.0

30

03.9

2.7

50

Sta + π - Elev

906.60

31 +50

32

BM 3.82 908.10 2.32 904.28

33

34

+50

35

March 21, 1967

4

02.5

4.1
50

01.0

5.6
30

N. G.

01.9

4.7
50

00.9

5.7
30

NG

Top Hyd S.W. Cor. Manton & Larpenteur

02.1

6.0
50

01.4

6.7
30

01.2

6.9
2

03.0

5.1
50

02.2

5.9
30

NG

02.9

5.2
50

02.5

5.6
30

03.6

4.5
50

03.3

4.8
30

NG

Sta + x - Elev.

908.10

35+40

36

T. P. 6.78 913.56 1.32 906.78 Sta 37

37+25

+65

38

+30

Lt

E

March 21, 1967

Rt

5

0 A.A

03.9

3.7

4.2

50

30

0 A.A

04.4

Can drain onto Barclay St

3.7

3.7

50

36

06.3

06.0

7.3

7.6

50

30

08.0

07.1

5.6

6.5

50

30

08.2

07.5

5.4

6.1

50

30

08.5

07.7

5.1

5.9

50

30

Sta + π - Elev

913.56

39+50

+95

40

$\angle$

4.89

40+50

41+50

+58

3.12

BM

2.21 911.35

Lt.

March 21, 1967

Rt

6

09.2
44
50

09.3
53
30

09.7
39
50

08.5
51
30

08.6
50
30

08.5
51
50

09.7
39
50

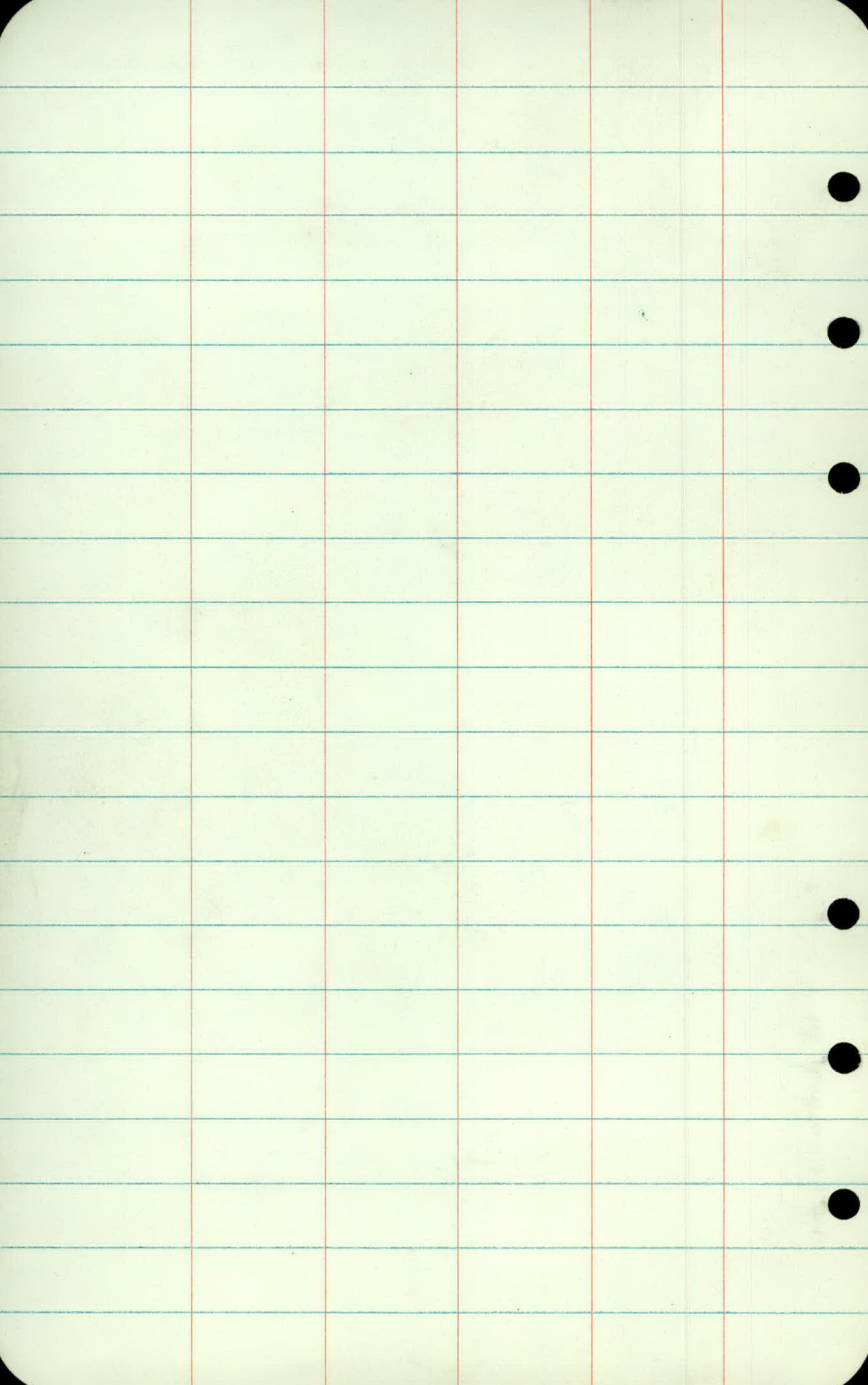
09.0
46
30

10.9
27
50

10.1
35
30

Conc Walk

Top Hyd. S. W. Cor. Dieter & Carpenter



May 15, 1967

41

Additional Info.

+ x-sections

Sta + π - Elev.

BM 8.52 943.78

935.26

58+04 West Property Line

✓

+20

BM 1.04 957.13

956.09

61+15

✓

FK
LPD
WJ

May 15, 1967
Best Day Yet Clear 42

Top Hyd S.W. Corner Prosperity & Larp.

41.0	40.5	41.0	40.8
2.8	3.3	2.8	3.0
20	29	37	50

43.5	41.1	40.9
0.3	2.7	2.9
95	85	71

41.7	41.5	41.3
2.1	2.25	2.54
50	70	89

Conc. Apron

Top Hyd N.W. Corner Flandraw

50.6	50.2	49.8	50.0	49.8
6.5	6.9	7.3	7.1	7.3
14	19	21	38	

50.1	50.2	49.8
7.0	6.9	7.3
87	79	50

Sta + π - Elev.

957.13

61+40

✓

62 ± 4.9 952.2

BM 0.21 956.30 (956.09)

64+25 ± New Bit Ent

64+00 5.0 51.3

BM 6.84 948.72 (941.88)

67+56 ± Ent Lt.

✓

67 ± 3.3 45.4 ✓

May 15, 1967. 43
 L BT

51.1	50.8	50.5	50.7	50.9
6.0	6.3	6.6	6.4	6.2
	13	18	21	34

51.5	51.0
5.6	6.1
75	50

Top Hyd N.W. Corner Flandreau & Larpenieur

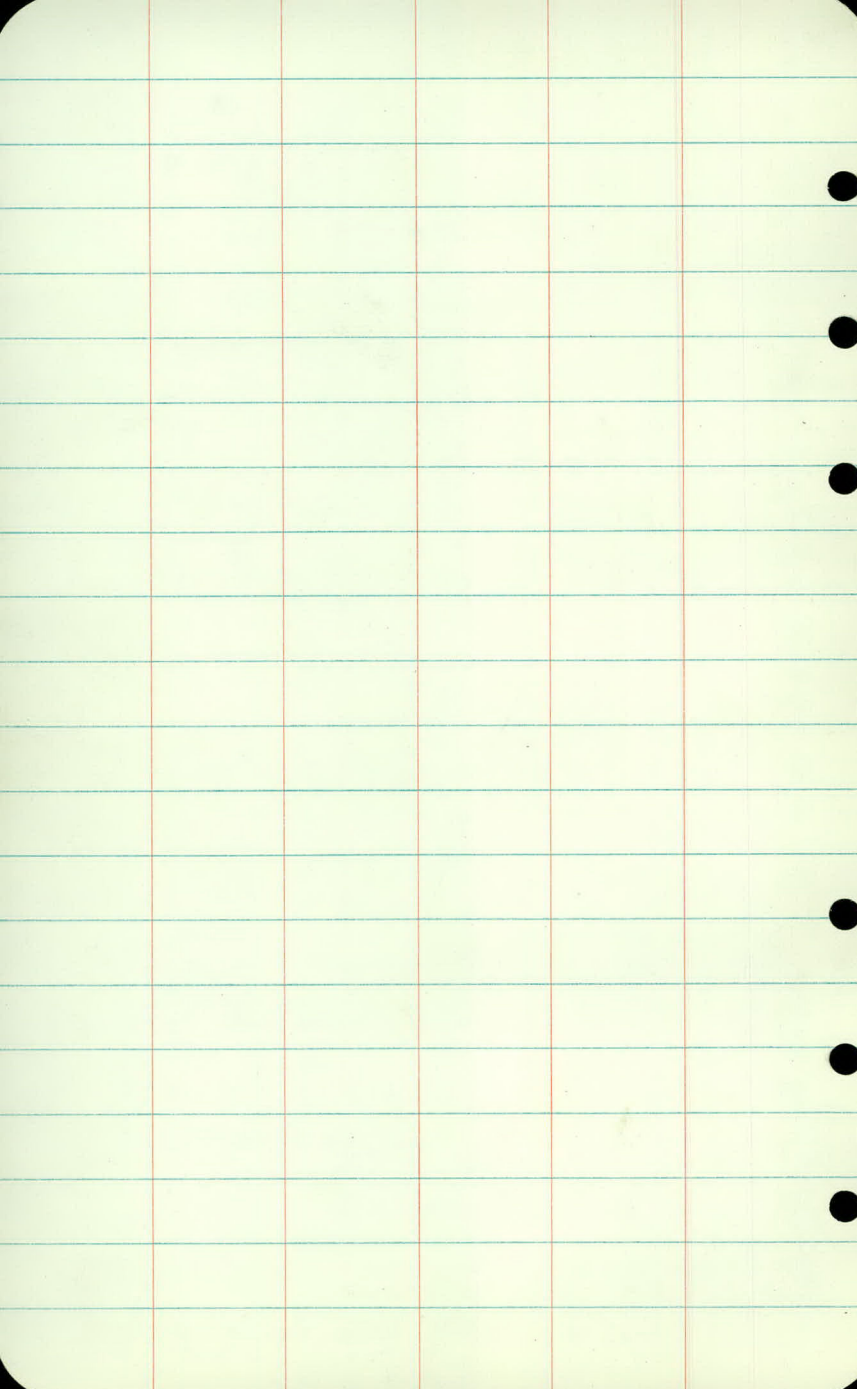
50.9	50.6	50.3	50.6	50.8	50.9
5.4	5.7	6.0	5.7	5.45	5.35
	14	20	36	50	65
Bit					

Top Hyd S.W. Corner White Bear Ave & Larp

43.8	43.2	43.6	43.4	43.6	43.9
4.9	5.5	5.1	5.3	5.1	4.8
50	36	23	22	18	

43.7	43.8
5.0	4.85
70	88

Conc. Apron & Floor



FX
WM
LPD

May 15, 1967

44

Elevations

Larpeur Ave

Prosperity Ave X sec.

Sta + π - Elev.

BM 6.60

Inv 12" SCP in 11.34

12" Vit out 11.49

Top C.B. 7.66

Inv 12" Vit 10.29

Top C.B. 7.59

5+82.4 Conc Ent 31.5' Rt
5+90.4

BM 0.64 909.50

908.86

± Larp North 50' 5.4

75' 6.3

100 7.2

125 8.0

150 8.8

175 9.5

200' 10.1

May 11, 1967

45

Pin 0+00

} West Side East Shore Drive

} SE Corner Larpenteur & E. S. Drive

• Top Hyd SE Cor Barclay & Larpenteur

Prosperity Ave.
Sta + x - Elev

BM 0.14 925.52

925.38

0+00

✓

+50

1

Prosperity Ave.

+16

+69

Lt.

May 11, 1967

Rt

46

Top Hyd S.W. Cor. Prosperity & Larp

^{.04}
 25.1 25.1 24.9 24.5 25.2 24.9 24.7 25.1 24.4 22.4
 0.39 0.44 0.63 1.0 0.3 0.6 0.8 0.4 1.1 3.4
 32 27 23 16 11 15 17 34 50
 Walk

25.3 25.2
 +0.2 +0.3
 39 50

24.7 24.2 24.1 24.0 23.5 24.5 23.9 23.8 24.1 23.3 23.7
 0.8 1.26 1.36 1.5 2.0 1.0 1.6 1.7 1.4 2.2 1.8
 50 34 29 22 19 13 16 19 25 50
 Walk

23.1 22.7 22.4 22.8 22.7 23.7 23.1 22.6 21.8 21.5
 2.4 2.80 2.90 2.7 2.8 1.8 2.4 2.9 3.7 4.0
 50 33 28 19 15 14 25 42 50
 Walk

22.5 22.2 22.1 22.5 22.4 23.5 22.6 22.2 21.2
 3.0 3.28 3.41 3.0 3.1 2.0 2.9 3.3 4.3
 50 34 29 23 18 18 26 50
 Walk

22.2 22.3 22.2 22.4 21.8 22.0 20.9 19.8 19.4
 3.3 3.2 3.3 3.1 3.7 3.5 4.6 5.7 6.1
 50 45 21 14 18 25 40 50

Sta + π - Elev.

925.52

2+50

+85

3

10.3	13.2	14.5	15.1
133	100	78	75
Edge Bit			Rt
Loop			

+50

✓

4

Lt

May 11, 1967

Rt

47

19.1	20.1	19.9	20.2	20.1	19.3	18.9
6.4	5.4	5.6	5.3	5.4	6.2	6.6
50	28	16		13	38	50

18.5	18.7	18.1	18.3	18.8	19.4	18.7	19.3	16.6	19.1
7.0	6.8	7.4	7.2	6.7	6.1	6.8	6.2	8.9	11.4
50	38	30	25	17		18	22	37	50

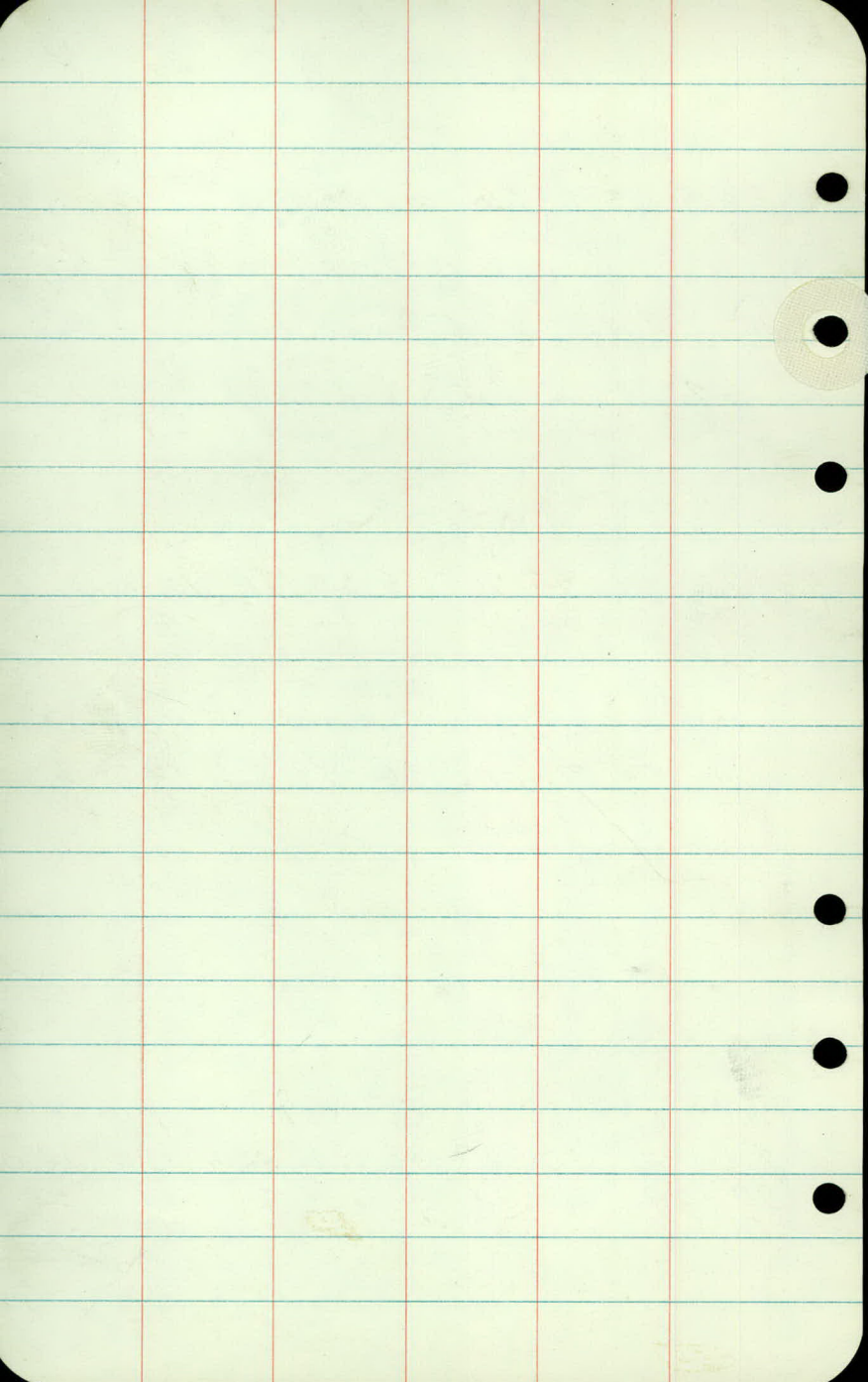
18.2	18.3	17.7	18.0	18.5	19.0	18.5	18.9	14.8	12.1
7.3	7.2	7.8	7.5	7.0	6.5	7.0	6.6	10.7	13.4
50	38	30	26	17		14	18	34	50

17.1	17.1	16.7	17.6	17.9	17.6	16.9	12.7	9.7
8.4	8.4	8.8	7.9	7.6	7.9	8.6	12.8	16.8
50	39	27	16		10	17	30	40

20.0	18.8	16.3	11.8	9.8	10.5
5.5	7.1	9.2	13.7	16.1	15.0
105	69	65	57	46	50

16.7	16.9	15.9	16.8	17.0	16.5	15.2	10.1	11.5
8.8	8.6	9.6	8.7	8.5	9.0	10.3	15.4	14.0
50	39	30	14		13	20	35	50

20.3	18.7	14.5
5.2	6.8	11.0
100	64	54



FK
WM
LPD

May 19, 1967

48

62-630-11

MH Info

Sta 12+96 Rt 27'

BM 1.86 879.64

(877.78)

Hyd.

MH

5.42

24.22

11" Casting

4 Adj Rings

Concentric Cone

11.8' inv to top Casting

Large Pipe

Found

55+46 M.H. 51' Lt

Down 0.9' Below Surface

56+46 MH 6' Rt

8" Casting

Block + Brick Const

7.15' to top Lift Station

Electrical Power included

56+07 MH £

49

8" Casting

2 Adj Ring

Concentric Conr

Inv to top Casting = 10.0

Flows N → S -

Sta 61+87 Rt 20'

11" Casting

No Adj Ring

Concentric Cone

2.45 Inv to top Casting

S. House to W

Top = 0.10 Below Conc Ent

51.80

63 + 43 MH 20 Rt

11" Casting

1 Adj Ring

Top to inv E 10.2

Top to inv W 9.1

Clay Seeped In on NW Side

Sta 62 + 60 MH 20' Rt.

8" Casting

No Adj Rings

Concentric Cone

Inv N to Top Casting 6.6

Inv E to " " 7.9

BM 1.83 $\frac{957.95}{A}$

956.12
Top Hyd
NW Flanclow

MH 61 + 87 Rt. 20' 6.24 51.71

MH 62 + 60 Rt + 20' 5.80 52.15

MH 63 + 43 Rt + 20' 6.53 51.42

Sta 63 $\frac{A}{E}$ 5.33 52.03

May 19, 1967

Sta 66+07 20' RT Down 0.8' 50

11" Casting

No Adj Rings

Concentric Cone

Inv to top = 10.3

46.8

46.0

BM 5.41

952.41
1

66+27 RT
Ent RT

MH 66+07 RT 20' 6.53 4588

66+00 £

4.96

to: check

STA. 56+77

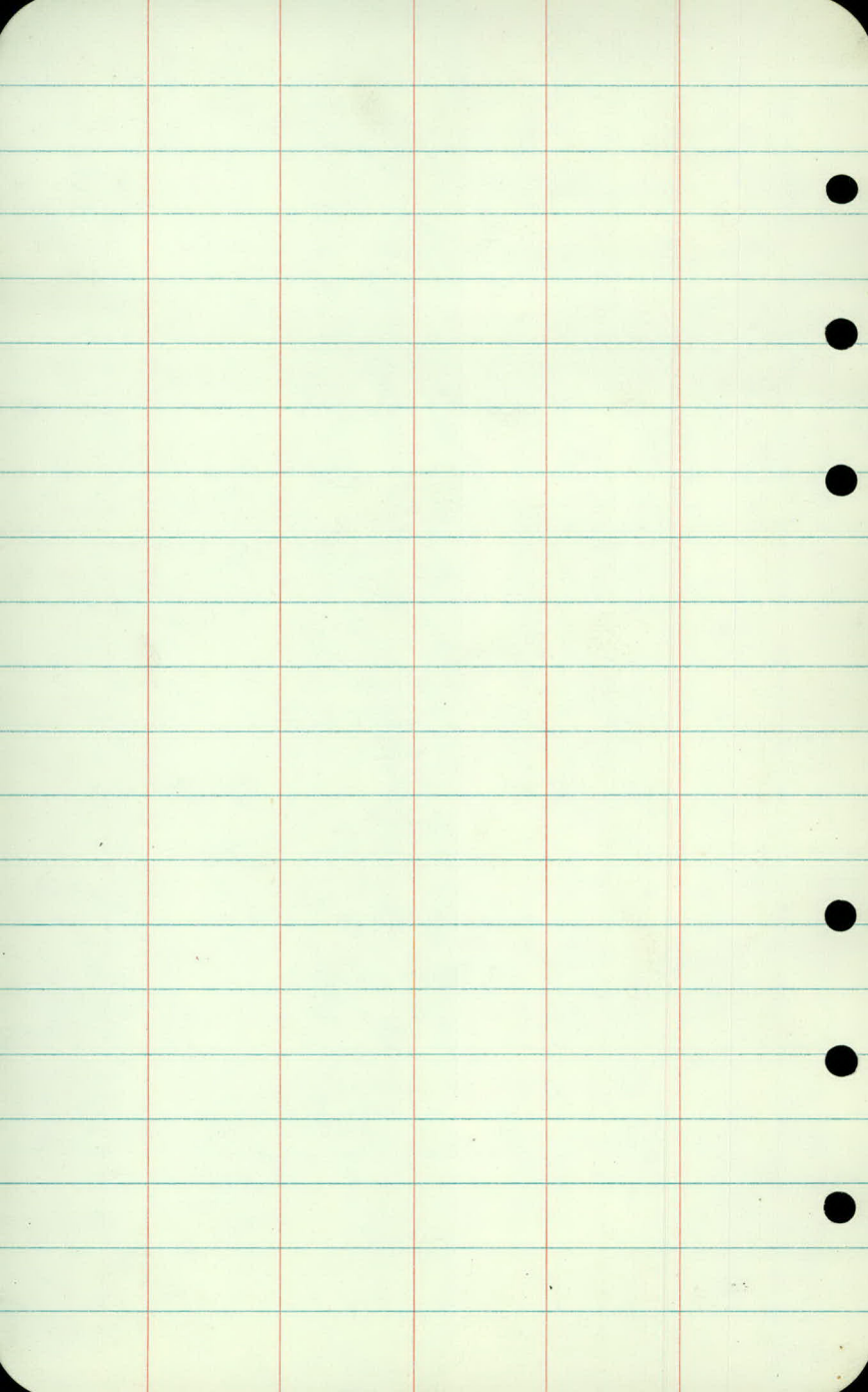
RT. 3'

M.H.

STA. 56+81

£

M.H.



June 14, 1967

51

X-Section Extensions

Sta	+	π	-	Elev,
52 L	6.97	922.67		915.7

52+00

+35

+66

53

+28

+53

FX
WM
LPD
HL

£ June 14, 1967

Lt.

Rt

52

	08.1	08.6
12.97	14.6	14.1
WS	85	100

07.1	08.0
15.0	14.7
85	100

10.1	10.1	09.6
12.6	12.6	13.1
85	92	100

10.6	10.5
12.1	12.2
85	100

11.3	11.0
11.4	11.7
85	100

10.4	10.9
12.3	11.8
85	100

Sta + π - Elev

922.67

54+00

2.18 920.49 92

T. P 13.28 935.67 0.28 ^{25.11} 922.39

+50

BM

0.40 935.27 (935.26)

June 14, 1967

53

±

Bt

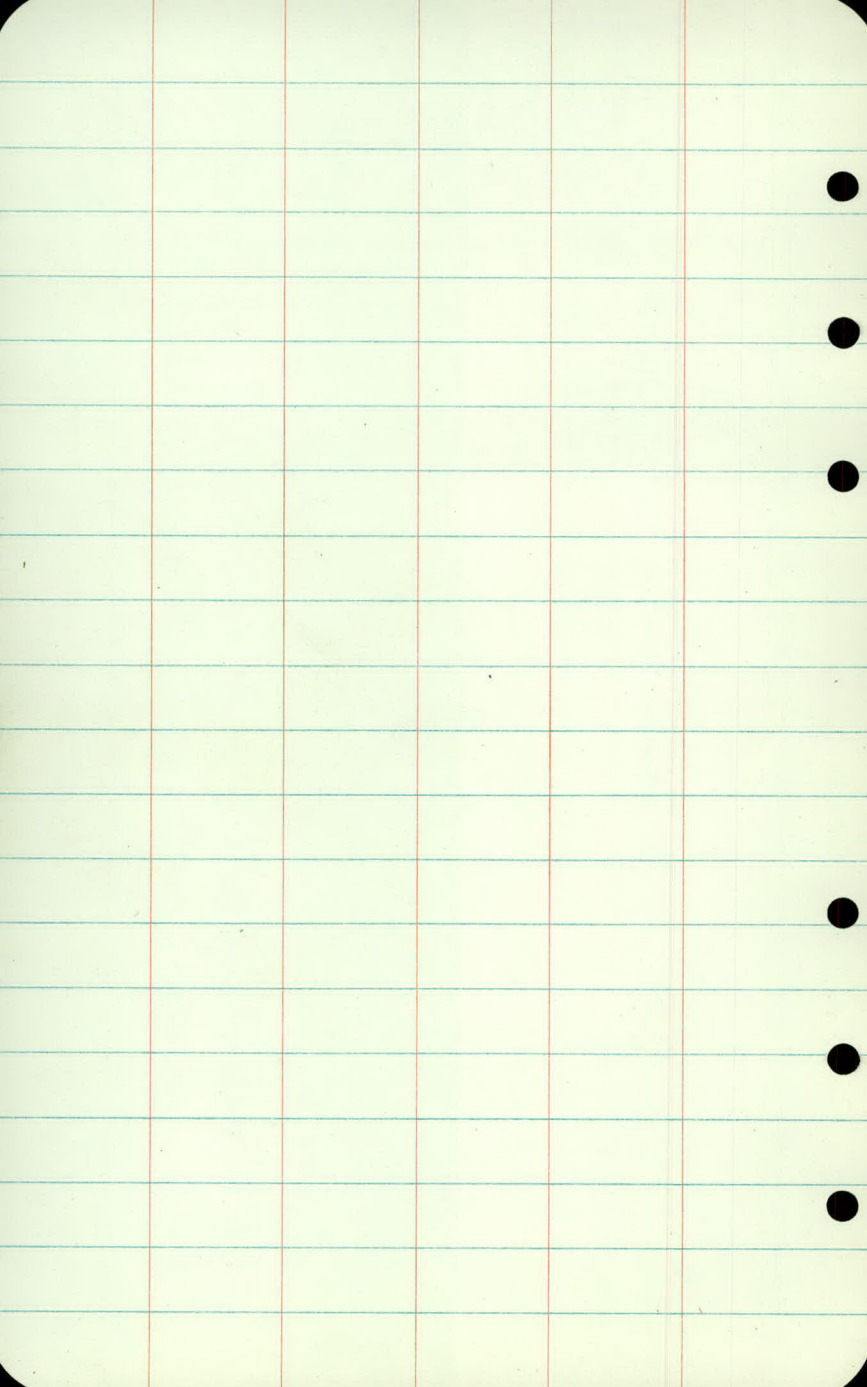
12.1	13.1	20.1
10.0	9.3	2.0
85	90	100

New Grading

25.8	2A.2	2A.0	26.1
9.9	11.5	11.7	9.6
30	37	50	58

21.1	25.9	2A.1
8.6	9.8	11.0
100	88	74

Top Hyd SW Corner Kennard & Carpenter



FR
WM
WJ
HL
GM

July 18, 1967

1

LARPEUTEUR AVE.

x-Section Extensions

Sta + π - Elev.

BM 0.53 925.91

925.38

48

+25

+50

T.P. 4.16 916.96 13.11 912.80

+25

+50

49

TP 2.85 915.71 4.10 912.86 Rod

July 18, 1967

2

£

Rt.

Top Hyd. S. W. Corner Prosperity & Larp.

16.2	14.7	14.5	08.0	11.9	17.3	21.9
9.7	11.2	11.4	17.9	14.0	8.6	4.0
85	99	125	136	160	180	200

11.6	15.8	20.7	24.4
14.3	10.1	5.2	1.5
157	169	185	200

04.3	04.3	09.76	13.66	16.96
12.7	10.7	7.2	3.3	0.0
146	155	168	183	200

02.66	06.76
14.3	10.7
117	133

03.96	08.86	11.66
13.0	8.1	5.3
100	125	140

05.26	10.76	14.16	14.76	14.16
11.7	6.2	2.8	+0.2	+28
76	100	118	136	153

92
28
92
36
+ 5.6
28

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

		915.71		
--	--	--------	--	--

49+50				
-------	--	--	--	--

50				
----	--	--	--	--

TP	11.22	917.53	9.40	906.31
----	-------	--------	------	--------

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

51				
----	--	--	--	--

+14 Duplicate	+29			
---------------	-----	--	--	--

+29				
-----	--	--	--	--

+65				
-----	--	--	--	--

July 18, 1967

Rt.

3

✓

75

12

63

12

51

10.1

5.6

100

13.3

2.4

123

14.5

1.2

131

14.9

+0.8

138

10.6

+5.1

150

✓

07.4

8.3

99

08.9

6.8

115

10.4

5.3

134

13.2

2.5

144

15.1

0.6

147

Rock.

✓

06.8

10.7

100

07.8

9.7

116

09.7

7.8

138

11.6

5.9

156

15.0

2.5

178

16.0

1.5

200

✓

07.0

10.5

102

09.1

8.4

125

12.1

5.4

150

14.7

2.8

175

17.1

0.4

200

✓

06.7

10.8

100

08.2

9.3

129

11.1

6.4

151

14.5

3.0

175

17.0

0.5

200

✓

08.5

9.0

125

10.9

6.6

150

14.4

3.1

175

17.3

0.2

200

Sta	+	π	-	Elev
		917.53		

52

TP	7.10	922.79	1.84	915.69
----	------	--------	------	--------

+35

+66

TP	9.92	925.61	7.10	915.69	Sta 52 PK 4
----	------	--------	------	--------	----------------

53

+28

+53

TP	6.30	930.68	1.23	924.38	54 $\frac{1}{2}$
----	------	--------	------	--------	------------------

924.3

FK
HL
GM

July 18, 1967

Rt.

4

2

09.3	12.8	12.3	15.3	17.4
8.2	4.7	4.2	2.2	0.1
100	125	146	169	187

Sta 52+00 ± P.K. nail

08.4	08.7	14.1	16.2	18.8	22.2
14.4	14.1	8.1	6.6	4.0	0.6
100	129	141	166	183	189

09.8	09.7	15.1	17.7	19.3	22.8
13.0	13.1	7.7	5.1	3.5	0.0
107	134	148	166	177	193

10.1	10.4	14.2	19.4	21.5	22.6	25.6
15.5	15.2	11.4	6.0	4.1	2.0	0.0
114	131	147	167	178	185	187

10.9	13.2	18.5	21.3	23.1	25.6
14.7	12.4	7.1	4.3	2.5	0.0
109	130	147	157	160	163

11.4	16.3	20.2	22.7	25.6
14.2	9.3	5.4	2.9	0.0
104	143	137	145	149

Sta + π - Elev.

930.68

54

+50

55

1.69 928.99 $\neq$

July 19, 1967

5

✓

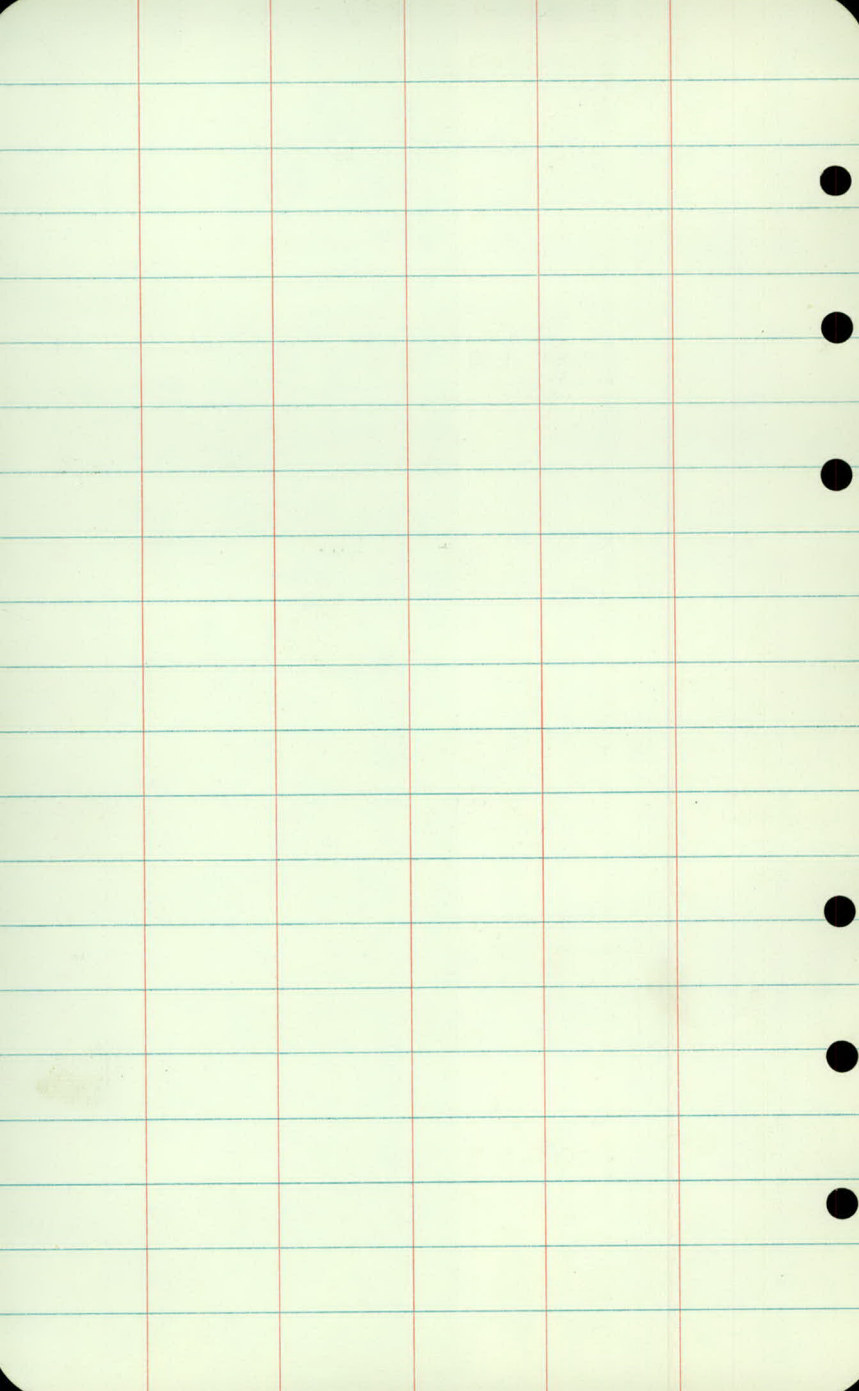
BT

✓	12.4	17.2	22.2	25.3	26.8	27.0	26.8
	18.3	13.5	8.5	5.4	3.9	3.7	3.9
	80	95	101	110	125	144	149
							Gutter Line

Q. ✓

	24.4	24.4	25.9	27.2	27.4
	63	6.3	4.8	3.5	3.3
	50	75	97	117	133
					Gutter Line

	28.4	28.4	28.9	28.4
	2.3	2.3	1.8	2.3
	31	63	88	Gutter Line
				104



April 4, 1967

1

M.H. Elevations

Sta	+	π	-	Elev.
BM	2.33	895.74		(893.41)
2+07	M.H.	21' Lt.	6.43	889.31
2+97	M.H.	20' Lt.	7.05	888.69
4+00	$\pm$		7.94	
BM			4.08	891.66
BM	2.13	889.07		(886.94)
6+66	M.H.	20' Rt.	4.53	884.54
7+85	M.H.	18' Rt.	4.56	884.51
9+60	M.H.	19' Lt.	10.13	878.94
BM			7.25	881.82 (881.84)
BM	1.99	879.77		(877.78)
13+06	M.H.	40' Rt.	5.55	874.22
13+06	M.H.	39' Lt.	6.62	873.15
13+00	$\pm$		5.40	
BM	5.16	894.61		(889.45)
16+22	M.H.	54' Rt.	8.67	885.94

April 4, 1967

2

Top Hyd. S.W. Corner Edward & Larpenteur

Top Hyd. N.W. Corner Frank & Larpenteur

Top Hyd. S.W. Corner Duluth & Larpenteur

Top Hyd. S.W. Corner Atlantic & Larpenteur

Top Hyd. S.W. Corner Chamber & Larpenteur

Top Hyd. S.W. Corner English & Larpenteur

Sta	+	π	-	Elev.
		894.61		
19+79	M.H. 25' Rt.	2.23	892.38	
	5.64	898.80	1.45	893.16
BM	4.03	898.81	4.03	894.77 (894.78 ⁷)
23+21	M.H. 56' Rt.	4.86	893.95	
B.M.		4.94	896.87 ⁶	(896.84)
BM	2.36	903.87		(901.51)
29+75	M.H. Rt 25'	5.56	898.31	
29+85	C.B. 37.5' Rt	5.12	898.75	
30	±	5.11	898.76	
BM	4.32	913.18		(908.86)
36+24	M.H. 18' Rt	7.20	905.48	
39+51	M.H. 18' Rt	5.22	907.96	
BM		1.86	911.32	(911.34)

April 4, 1967

3

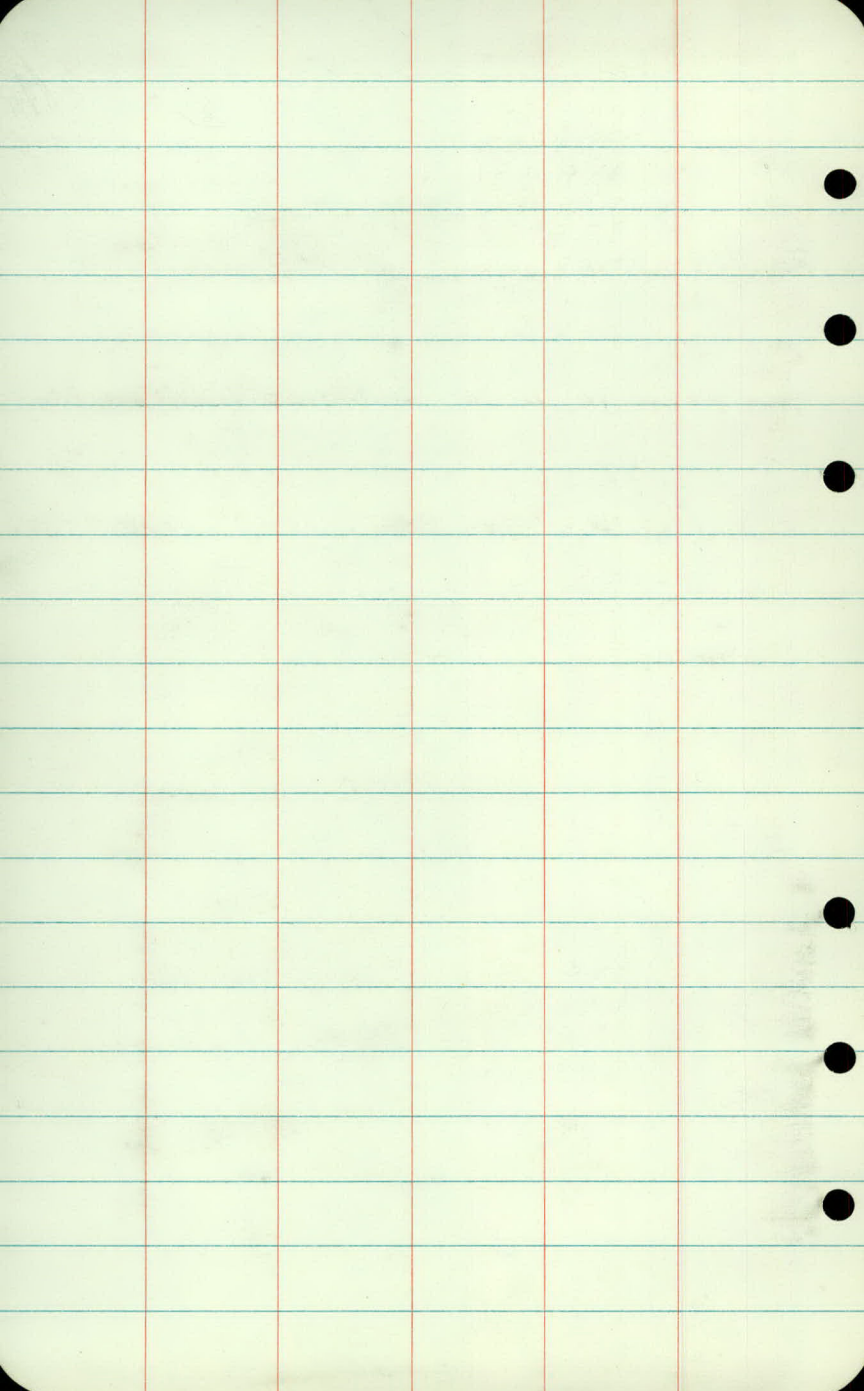
Top Hyd. S. W. Corner McAfee & Larpenteur

Top Hyd. S. W. Corner Clarence & Larpenteur

Top Hyd. S. W. Corner Birmingham & Larpenteur

Top Hyd. S. E. Corner Barclay & Larpenteur

Top Hyd. S. W. Corner Deiter & Larpenteur



April 12, 1967

1

LARPENTEUR

x-sections

Sta + π - Elev.

BM 2.60 889.54

886.94

5+50 ✓

+66

+77

+ Carb Line

April 12, 1967

LH

£ 2

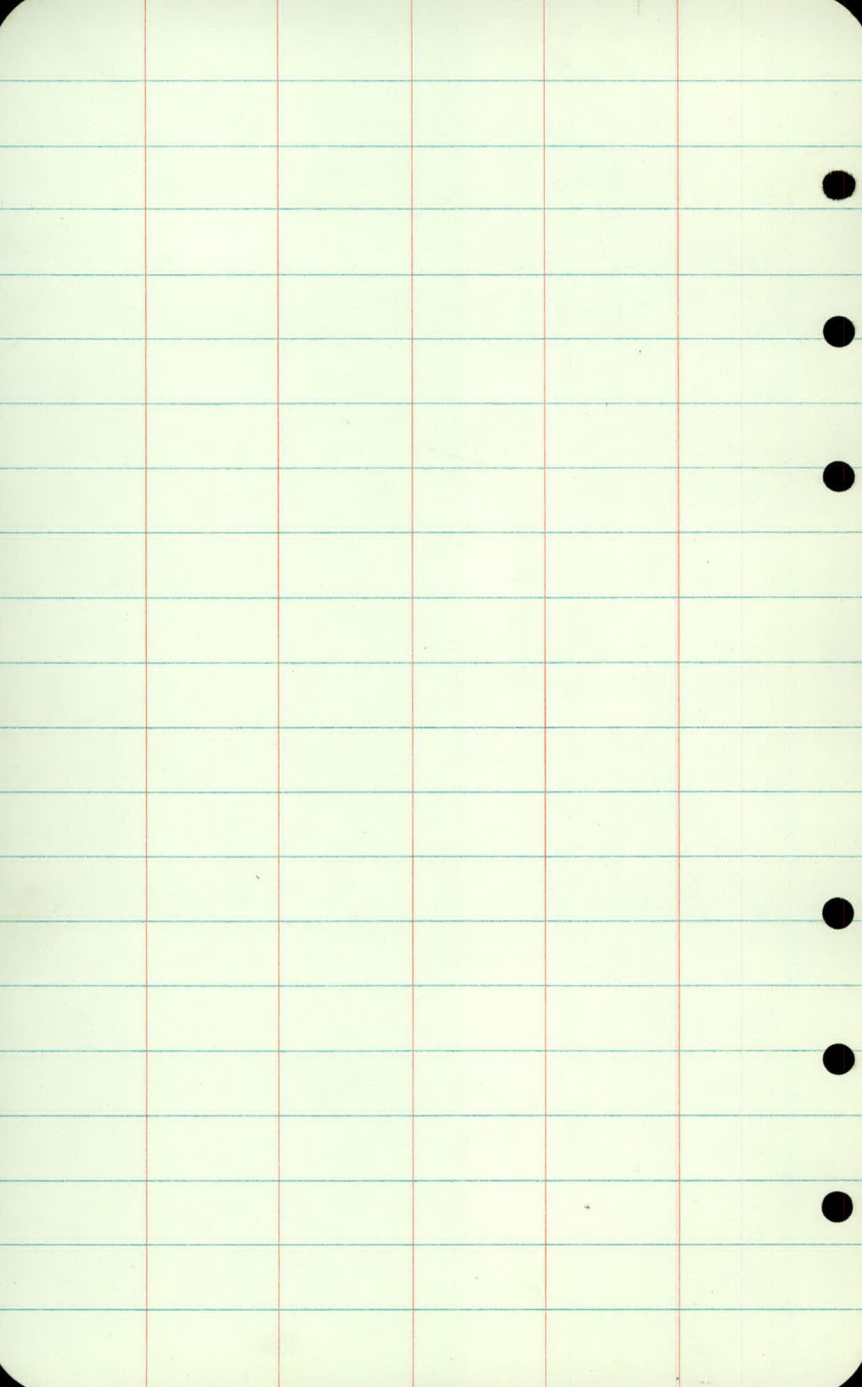
Top Hyd S.W. Corner Duluth Harbor

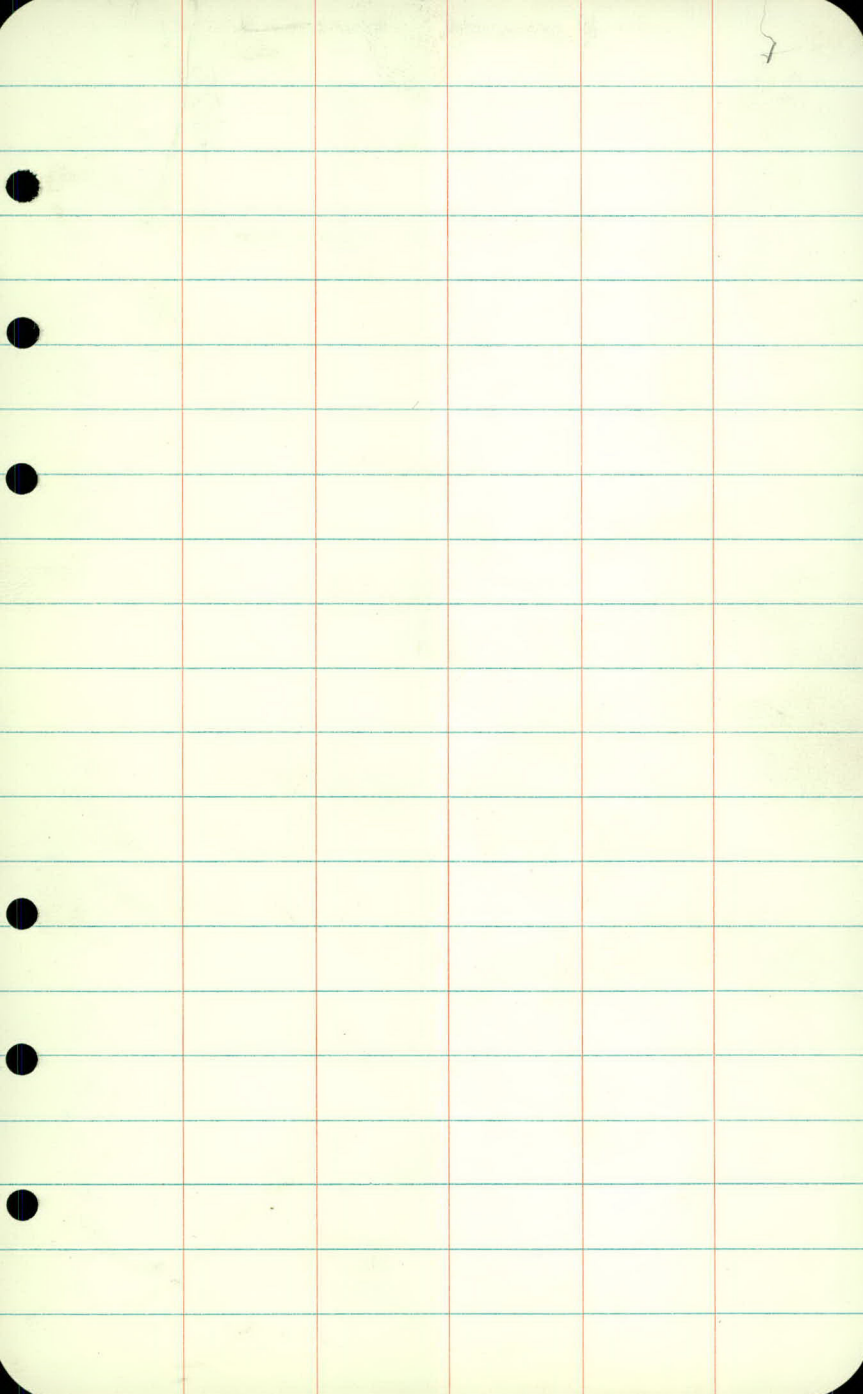
4.3	84.6	83.6	84.5	84.3	84.5	84.6
4.2	4.9	5.9	6.0	5.2	5.0	4.9
House	53	37	22	17	12	
69						

84.1	83.8	83.6	83.5	82.6	83.4	84.3	84.4	84.4
5.4	5.7	5.9	6.0	6.7	6.05	5.2	5.1	5.1
96	79	57	41	28	MH	19	12	
					20			

84.7	84.2	84.3	83.7	84.0	84.2	84.4	84.3
4.8	5.3	5.2	5.8	5.5	5.3	5.1	5.2
97	79	56	32	21	18	13	

84.9	84.7
4.6	4.8
97	50
Curb	Curb





Sta + π - Elev.

BM 3.62 898.40

894.78

19+40

+73

20+32

20 $\neq$ 5.38

BM 2.92 914.26

911.34

T.P. 0.86 903.03 12.09 902.17

42+38

+67

April 19, 1967

Lt

L

2

Top Hyd S.W. Cor McAfee & Larpenteur

88.9	88.4	88.6	93.2
95	10.0	9.8	5.2
75	50	35	

88.2	88.3	88.2
10.2	10.1	10.2
75	50	35

87	87.7	86.5
10.7	11.2	11.85
75	50	33

FL. 18"CM

Top Hyd S.W. Corner Deiter & Larp.

94.5	97.2	97.8
8.5	5.8	5.2
90	75	60

92.6	94.2	95.9
10.4	8.8	7.1
90	75	60

Sta + π - Elev

903.03

43

+19

+58

44

+37

+74

TP 13.58 915.87 0.74 902.29

TP 12.55 925.75 2.67 913.20 Rock

BM 0.21 925.59 0.40 925.35 (925.38)

FK
DS
FS
WJ
LPD

April 21, 1967

3

21

91.3

93.0

95.1 ✓

11.7

10.0

7.9

90

75

60 ✓

90.7

92.8

95.1 ✓

12.3

10.2

7.3

90

75

60 ✓

91.4

92.8

95.4

01.0

11.6

10.2

7.6

2.0

90

75

57

44 ✓

92.3

94.2

97.0

02.0 ✓

10.7

8.8

6.0

1.0

90

75

55

45 ✓

94.1

96.3

96.4

96.8

02.0 ✓

8.9

6.7

6.6

6.2

1.0

90

75

73

64

47 ✓

98.4

00.1

00.5

02.9

4.6

2.9

2.5

0.1

90

75

62

50

Top Hyd S. W. Corner Prosperity & Larpenetun

Sta + π - Elev

925.59

48+25

+60

TP 1.18 915.33 11.44 914.15

48+25

+60

49

+50

50+00 Φ

2.22

FK
LPD
WJ

21

April 24, 1967
Overcast 33°

4

09.8

10.4 ✓

15.8

15.2

75

60

19.8

16.5 ✓

5.8

7.1

75

60

02.2

01.2

13.1

14.1

60

75

01.5

01.4

13.8

13.9

60

75

02.6

03.8

12.7

11.5

60

75

04.0

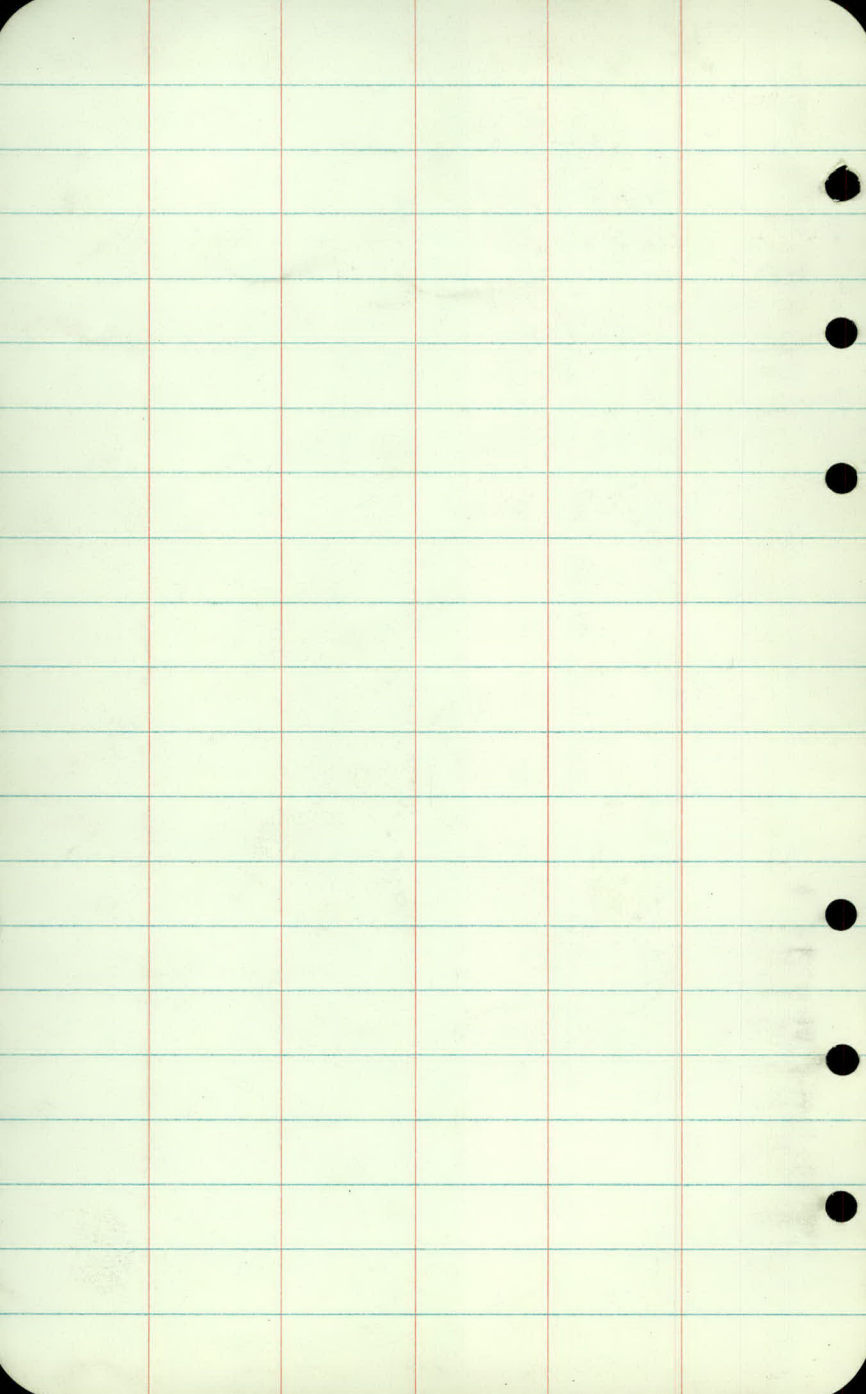
06.3

11.3

9.0

60

75



Nov. 20, 1967

1

LARPEUR AVE,

New X-Sections

286.94
Ditch

Sta + π - Elev.

BM 0.32 891.73

(891.41)

0+00

+32

+50

+70

+85

1

Nov. 20, 1967

11.

£

RT

2

Top Hyd. N.W. Corner Frank St. & Larp.

83.2 83.5 83.5 83.4 83.3 83.1 83.0
8.5 8.2 8.2 8.3 8.4 8.6 8.7
50 31 15 17 32 50

83.5 83.4 83.0 83.3 83.4 83.5 83.4 83.2 82.8
8.2 8.1 8.6 8.4 8.3 8.2 8.3 8.5 8.9
50 33 29 27 14 14 32 50
G

83.6 83.6 83.9 83.3 83.3 83.4 83.1 83.6 84.3 84.4
8.1 8.1 7.8 8.4 8.2 8.3 8.6 8.1 7.4 7.3
50 43 27 19 15 23 28 37 50

84.4 84.4 84.4 83.7 83.3 85.2 84.9
7.3 7.3 8.3 8.0 8.4 6.5 6.8
50 26 18 17 27 50

85.0 84.8 84.7 84.1 84.7 86.0 85.8
6.7 6.9 8.0 7.6 8.0 5.7 5.9
50 26 18 18 29 50

85.3 85.5 84.1 84.5 84.2 87.2 87.5
6.4 6.2 7.6 7.2 7.5 4.5 4.2
50 26 17 18 36 50

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

		891.73		
--	--	--------	--	--

1 + 33				
--------	--	--	--	--

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

+ 75				
------	--	--	--	--

+ 86				
------	--	--	--	--

2				
---	--	--	--	--

3				
---	--	--	--	--

+ 11				
------	--	--	--	--

Nov. 20, 1967

LT

Z

BT

3

86.5	86.7	86.3	86.8	84.9	85.5	85.7	90.4	88.9
522	552	537	49	68	62	65	1.3	1.8
50	45	33	23	17		18	34	50
Conc.								

86.5	86.4	86.7	85.5	85.9	85.6	90.6	90.7
5.22	533	502	6.2	5.8	6.1	1.1	1.0
50	45	33	17		18	33	50
Conc.							

86.7	87.5	88.0	86.1	86.6	86.7	90.7	91.3
5.0	42	37	5.6	5.1	5.5	1.0	0.4
50	35	24	18		18	34	50

86.5	86.8	86.4	86.9	86.5	91.0	91.4
42	49	53	48	5.2	0.7	0.3
50	30	17		18	35	50

87.5	87.0	86.7	87.2	86.8	90.9	91.2
42	47	50	4.5	4.9	0.8	0.5
50	34	17		18	34	50

86.2	87.3	87.0	86.9	87.4	87.9	90.6	91.0
3.5	4.4	4.7	4.8	4.3	4.8	1.1	0.7
50	38	32	17		18	32	50

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

		891.73		
--	--	--------	--	--

2+25				
------	--	--	--	--

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

+75				
-----	--	--	--	--

+90				
-----	--	--	--	--

3				
---	--	--	--	--

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

BM	0.09	891.50	0.32	891.41
----	------	--------	------	--------

Lt.

2 Nov. 29, 1967

RT

4

89.5	89.4	87.1	87.6	87.1	90.1	90.6
22	2.3	4.6	4.1	4.6	1.6	1.1
50	26	17		18	32	50

90.0	89.5	87.1	87.7	87.3	89.4	90.0
1.74	2.21	4.6	4.0	4.4	2.3	1.7
50	29	17		18	32	50
conc						

89.2	89.3	87.1	87.4	87.2	89.0	89.5
2.5	2.4	4.6	4.1	4.5	2.7	2.2
50	30	17		18	33	50

87.2	87.4	87.0	87.1	87.4	87.1	88.6	89.6
3.9	4.32	4.7	4.6	4.3	4.6	3.1	2.1
50	39	32	18		18	31	50
In CB							

89.9	87.3	87.1	87.3	87.0	88.3	89.1
3.8	4.4	4.6	4.4	4.7	3.4	2.6
50	33	18		17	31	50

87.8	87.1	86.9	87.2	86.9	87.4	87.7	87.8
3.9	4.6	4.8	4.5	4.8	4.3	3.95	3.90
50	30	17		18	30	44	50
conc							

Top Hyd N.W. Corner Frank St. & Carpentier

Sta + π - Elev.

891.50

3+50

+75

4

+25

+50

+75

Nov. 20, 1967

5

Lt.

RT

88.7	88.3	87.9	86.8	87.1	86.8	86.7	86.9
2.8	3.2	3.6	4.7	4.4	4.7	4.8	4.6
50	40	24	17		17	30	50

88.8	87.9	86.7	87.0	87.0	86.7	86.8	87.2	87.0
2.7	3.6	4.8	4.5	4.5	4.8	4.7	4.3	4.5
50	27	17	7		18	25	32	50

88.5	88.1	87.8	86.4	86.8	86.3	87.2	87.1	86.9
3.0	3.4	3.7	5.1	4.7	5.2	4.3	4.4	4.6
50	38	31	18		17	28	41	50

87.5	88.0	88.3	85.9	86.3	86.0	86.7	87.2	86.8	86.6
4.0	3.5	3.2	5.6	5.2	5.5	4.8	4.3	4.7	4.9
50	35	29	18		17	27	34	42	50

87.4	87.9	85.3	85.9	85.5	86.7	87.5	87.5
4.1	3.6	6.2	5.6	6.0	4.75	4.04	4.0
50	29	19		18	28	45	50

walk

85.8	85.7	84.9	85.3	84.9	86.1	87.3
6.1	5.8	6.6	6.2	6.6	5.4	4.2
50	30	18		17	29	50

Sta + Σ
891.50

4+91

5

+25

+50

BM 2.32 889.26 4.57 886.93 (886.94)

+76

+90

6

5.0

Nov. 20, 1967

E

6

84.4	84.6	84.6	85.0	84.6	85.5	86.8
71	69	69	65	69	60	47
50	30	18		18	27	50

85.0	85.1	84.5	84.9	84.5	85.4	86.8
65	65	70	66	70	61	47
50	29	18		17	27	50

85.0	84.6	84.3	84.8	84.3	85.2	86.2	86.8
65	69	72	67	72	627	532	465
50	30	18		17	33	42	50

Conc Ribbon

84.9	84.3	83.9	84.5	84.2	84.6	86.1	87.0
66	72	76	70	73	69	54	45
50	30	17		18	26	43	50

Top Hyd S.W. Corner Duluth

84.6	84.5	83.8	84.2	83.9	84.6	86.1	86.6
47	48	55	51	54	47	32	27
50	30	18		18	28	45	50

83.9	83.9	83.9	84.0	84.3	83.9	84.6	86.2
54	539	54	53	50	54	452	305
50	42	34	17		18	33	50

Inv CB

Conc

Sta + π - Elev

889.26

6+05

+20

+35

+50

+65 E Duluth Rt

+80

T.P. 1.37 888.09 2.54 886.72

Nov. 20, 1967

Lt.

✓

Rt. 7

84.0	84.0	84.1	84.4	84.8	84.8	85.0	86.4
5.3	5.3	5.2	4.9	5.3	4.5	4.3	2.9
50	39	18		17	26	34	50

83.8	83.8	83.8	84.1	84.5	84.2	84.7	85.1	85.7	86.4
5.5	5.5	5.5	5.2	4.8	5.1	4.6	4.2	3.6	2.7
50	44	36	17		17	26	35	42	50

in CB

84.0	84.0	84.0	84.6	84.3	84.5	84.8	86.5
5.3	5.3	5.3	4.7	5.0	4.8	4.5	2.8
50	31	18		17	27	36	50

84.2	84.1	84.1	84.7	84.4	84.2	84.1	84.0
5.1	5.2	5.2	4.6	4.9	5.1	5.2	5.3
50	25	17		17	30	42	50

84.2	84.0	84.1	84.7	84.5	84.7	84.7	84.7
5.1	5.3	5.2	4.6	4.8	4.6	4.6	4.6
50	27	18		18	24	46	50

84.3	84.2	84.3	84.7	84.5	84.4	84.6	84.3
5.0	4.9	5.1	5.0	4.6	4.8	4.9	4.7
50	36	26	18		18	23	39
							50

N.E. Cor. Wall

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

		888.09		
--	--	--------	--	--

7+00				
------	--	--	--	--

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

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

+66				
-----	--	--	--	--

8				
---	--	--	--	--

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

Nov. 20, 1967

Lt

✓

81

8

86.4	85.5	84.2	84.7	84.3	84.9	84.9	87.6	88.1
1.71	2.61	3.9	3.4	3.8	3.2	3.2	0.5	0.1
50	30	18		18	24	28	41	50
Conc								

86.6	86.0	85.3	84.2	84.7	84.4	85.1	87.1	87.9
1.5	2.1	2.8	3.9	3.4	3.7	3.0	0.5	+0.2
50	40	27	17		18	28	41	50

86.8	85.3	84.1	84.5	84.2	85.5	87.5
1.3	2.8	4.0	3.6	3.9	2.34	0.63
50	27	18		18	29	50
Conc						

86.4	85.0	83.6	84.1	83.8	85.7	87.3
1.7	3.1	4.5	4.0	4.3	2.36	0.84
50	28	17		18	30	50
Conc						

83.5	83.6	82.5	82.8	82.4	84.6	86.5	87.3
4.6	4.6	5.6	5.3	5.7	3.5	1.6	0.8
50	28	18		18	26	37	50

83.2	83.1	82.0	82.3	81.8	84.0	84.9	86.3	87.1
4.9	5.0	6.1	5.8	6.3	4.1	3.2	1.8	1.0
50	28	18		17	25	31	44	50

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

		888.09		
--	--	--------	--	--

8+16				
------	--	--	--	--

+24				
-----	--	--	--	--

+33				
-----	--	--	--	--

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

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

			69	
--	--	--	----	--

+56				
-----	--	--	--	--

+85				
-----	--	--	--	--

BM	1.94	883.78	6.24	881.85
----	------	--------	------	--------

				881.84
--	--	--	--	--------

Nov. 29, 1967

LT

£

RT 9

81.2	83.1	82.0	82.2	81.8	83.9	84.4
4.9	5.0	6.1	5.9	6.3	4.2	3.7
50	28	18		17	31	50

83.1	82.7	81.5	81.9	81.6	83.4	84.0
5.0	5.4	6.6	6.2	6.5	4.7	4.1
50	30	18		17	30	50

83.1	82.5	81.2	81.7	81.2	83.4	84.1
5.0	5.6	6.9	6.4	6.9	4.7	4.0
50	20	19		18	30	50

83.1	82.5	81.2	81.6	81.1	83.0	84.1	81.9
5.0	5.6	6.9	6.5	7.0	5.1	6.0	6.2
50	20	19		18	29	34	50

82.9	81.8	80.5	81.0	80.6	81.5	81.8	81.8
5.2	6.3	7.6	7.1	7.5	6.6	6.3	6.3
50	30	18		17	26	33	50

81.8	80.9	79.8	80.2	79.7	81.6	82.2	82.3
6.3	7.2	8.3	7.9	8.4	6.5	5.9	5.8
50	30	17		18	34	41	50

Tap Hyd S.W. Corner Atlantic

Sta + π - Elev.

883.78

9+00

+25

+38

+51

+67

+82 $\angle$ RL

Lt.

Nov. 20, 1967

RT

10

80.1	80.0	79.4	79.8	79.3	80.2	81.6	82.4
3.7	3.8	4.4	4.0	4.5	3.6	2.2	1.4
50	29	18		18	24	33	44
							walk

79.7	79.7	79.4	78.8	79.3	78.7	79.4	79.3	81.1	82.0
4.1	4.1	4.4	5.0	4.5	5.1	4.4	4.5	2.7	1.8
50	41	23	18		18	22	26	37	50

79.1	78.9	78.7	78.9	79.0	78.6	79.3	79.5	81.1
4.7	4.9	5.1	4.9	4.8	5.2	4.5	4.3	2.7
50	42	31	19		18	24	30	50

79.1	78.9	78.8	78.9	78.7	79.0	79.2	79.1
4.7	4.9	5.0	4.9	5.1	4.8	4.6	4.7
50	35	18		18	20	34	50
							walk

79.0	78.4	78.6	78.8	78.6	78.2	77.9
4.8	5.3	5.2	5.0	5.2	5.6	5.9
50	34	18		16	34	50

79.4	79.0	78.6	78.2	78.8	78.5	78.4	78.3
4.4	4.8	5.2	5.6	5.0	5.3	5.4	5.5
50	37	23	18		15	34	50

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

		883.78		
--	--	--------	--	--

9+96				
------	--	--	--	--

10				
----	--	--	--	--

		5.1		78.68
--	--	-----	--	-------

+11				
-----	--	--	--	--

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

		5.4		78.38
--	--	-----	--	-------

+44				
-----	--	--	--	--

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

		5.8		78.0
--	--	-----	--	------

+59				
-----	--	--	--	--

+75				
-----	--	--	--	--

11				
----	--	--	--	--

Nov. 20, 1967

11

79.5	79.0	78.5	78.1	77.7	78.2	78.2	78.1
4.3	4.8	5.3	5.7	5.1	5.6	5.6	5.7
50	33	22	19		17	34	50

79.4	79.1	78.3	78.0	78.5	78.2	78.5	78.6	79.2	79.1
4.4	4.7	5.5	5.8	5.3	5.6	5.3	5.2	4.6	4.7
50	36	23	18		17	18	27	33	50

79.5	78.9	77.7	78.1	77.4	78.5	78.7	79.5	79.5
4.3	4.9	6.1	5.7	6.4	5.3	5.1	4.3	4.3
50	33	18		18	21	27	33	38
								40

80.2	79.5	78.7	77.4	77.8	77.2	78.3	78.7	79.6	79.6
3.6	4.3	5.1	6.4	6.0	6.6	5.5	5.1	4.2	4.2
50	30	25	18		18	20	27	33	40
									36

80.2	79.2	78.8	77.1	77.5	77.0	78.0	79.5	79.6
3.6	4.6	6.0	6.7	6.3	6.8	5.8	4.3	4.2
50	30	22	18		18	20	33	50

79.7	78.6	77.1	76.4	77.0	76.4	77.6	78.8	78.8
4.1	5.2	6.7	7.4	6.8	7.4	6.2	5.0	5.0
50	30	21	18		18	20	33	50

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

		883.78		
--	--	--------	--	--

11+15				
-------	--	--	--	--

+28				
-----	--	--	--	--

TP	3.14	879.49	7.43	876.35
----	------	--------	------	--------

+38	L Alley			
-----	---------	--	--	--

+47				
-----	--	--	--	--

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

			3.7	
--	--	--	-----	--

				75.8
--	--	--	--	------

+52				
-----	--	--	--	--

+75				
-----	--	--	--	--

LT ~~0~~ ~~2~~ Nov. 20, 1967 BT 12

^{79.1} 4.7 52 69 78 72 78 6.6 6.3 6.1 6.7
^{78.6} 50 34 23 18 18 21 32 36 40
^{76.9} Ga
^{76.0}

^{76.5} 7.3 7.3 8.0 7.6 8.1 6.74 6.62 5.72
^{76.5} 50 31 18 18 28 33 40
^{75.8} Conc
^{76.2} Ga
^{75.7}

^{76.4} 3.1 3.3 3.9 3.5 3.9 3.0 2.8
^{76.2} 50 26 18 18 31 50
^{75.6}

^{76.4} 3.1 3.1 3.2 4.1 3.7 4.1 2.8 2.5
^{76.4} 50 37 21 18 17 30 50
^{76.3}

^{76.4} 3.1 3.3 3.4 4.2 3.8 4.2 3.8 4.0
^{76.2} 50 35 21 18 18 26 50
^{76.1}

^{75.8} 3.7 4.3 3.9 4.6 4.2 4.6 4.4 4.2 4.2
^{75.2} 50 34 20 19 18 21 27 50
^{75.6}

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

		87949		
--	--	-------	--	--

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

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

			4.9	
--	--	--	-----	--

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

+68				
-----	--	--	--	--

+82				
-----	--	--	--	--

+97.40	£			
--------	---	--	--	--

13				
----	--	--	--	--

			56	
--	--	--	----	--

+12				
-----	--	--	--	--

Nov. 20, 1967

11

BT

13

75.3	75.1	74.7	74.4	74.9	74.5	74.9	75.1	75.3
4.2	4.4	4.8	4.9	4.6	5.0	4.6	4.4	4.2
50	43	27	18		18	22	27	50

74.5	74.0	73.7	74.2	73.8	74.4	74.5	74.9
5.0	5.5	5.8	5.3	5.7	5.1	5.0	4.6
50	30	18		18	21	28	50

73.4	73.9	73.5	74.0	73.7	74.4	74.8	74.9
6.1	5.6	6.0	5.5	5.8	5.1	4.7	4.6
50	25	18		18	23	39	50

71.2	71.2	71.3	71.1	73.4	73.9	73.7	73.9	74.2
8.3	8.3	5.2	5.4	6.1	5.6	5.8	5.6	5.3
50	38	30	23	18		18	32	50

71.6	70.2	73.1	74.2	72.8	73.9	73.6	74.5	74.7
7.9	9.3	6.4	5.3	6.2	5.6	5.9	5.0	4.8
50	39	30	25	17		19	40	50

72.9	73.3	73.4	73.9	73.5	74.0	74.1
6.6	6.2	6.1	5.6	6.0	5.5	5.4
50	29	17		18	34	50

Sta + x - Elev

879.49

13+19

+32

+50

+75

14

+25

BM

1.71 877.78

877.78

T.P.

9.87

887.00

2.36

877.13

889.45

2 Nov. 25, 1967

Lt.

R1

14

12.9 13.3 13.4 13.9 13.5 14.1 14.9 15.0
6.7 6.2 6.1 5.6 6.0 4.8 4.6 4.5
50 26 17 18 23 36 50

12.2 12.1 13.3 14.1 13.5 13.9 13.5 14.9 14.0 14.0
7.3 6.8 6.2 5.4 6.0 5.6 6.0 4.6 5.5 5.5
58 40 28 21 17 18 21 38 50

12.2 12.4 13.4 14.8 13.8 14.1 13.6 14.1 10.8 10.5
7.3 7.1 6.1 4.7 5.7 5.4 5.9 5.4 8.7 9.0
50 39 24 20 17 17 20 34 50

13.2 13.2 14.3 15.3 14.1 14.4 14.1 10.8 10.8
6.3 6.3 5.2 4.2 5.4 4.9 5.4 8.7 8.7
50 41 25 21 18 18 32 50

13.9 14.5 15.6 14.7 15.3 14.5 11.2 11.2
5.6 5.0 3.9 4.8 4.2 5.0 8.3 8.3
50 31 22 18 18 30 50

15.7 15.9 16.6 15.5 16.1 15.5 11.4 11.4
3.8 3.6 2.9 4.0 3.4 4.0 7.9 7.9
50 29 21 18 18 30 50

Top 4 & S.W. Cor Chambers

Sta + Δ - Elev

887.00

14+50

✓

+75

15

+25

+50

TP 7.84 891.68 3.16 883.84

+75

7.9

Nov. 29, 1967

27.

2

57

15

77.1	77.5	77.1	76.7	✓	77.1	76.7	76.8	74.5	74.2
9.9	9.5	9.9	10.3	9.9	10.3	10.2	12.5	12.8	
50	35	30	18		18	21	29	37	

12.1	12.4
149	146
50	42

79.2	79.4	80.1	79.8	78.0	78.4	78.0	78.1	76.9	74.8	74.0
7.8	7.6	6.9	8.2	9.0	8.6	9.0	8.9	10.1	12.2	13.0
50	40	29	23	18	18	19	23	32	50	

72.8	82.6	79.9	77.2	79.8	79.5	79.4	79.0	77.3	78.3
42	44	71	28	72	75	74	80	91	87
50	33	23	19		18	20	22	33	50

86.0	85.8	85.9	86.8	86.5	87.2	87.8	88.0	88.1	87.7	87.5
1.0	1.2	3.1	6.2	6.5	5.8	6.2	6.1	6.9	5.3	5.5
50	35	30	23	18	18	20	27	37	50	

δb^8	δb^6	δA^4	δz^1	δz^0	δz^6	δz^2	δi^9	δz^7	δA^4
0.2	0.4	2.6	4.9	5.0	4.4	4.8	5.1	3.3	2.6
50	35	29	23	19		17	25	30	42 Mo

Sta + π - Elev.

889.45

891.68

16+00

+11

86.46

+32' $\angle$ English

+46

+50

50

+54

85.90

+75

Lt.

Nov. 20, 1967

RT

16

$\begin{matrix} 85.2 & 86.2 & 85.7 & 84.5 & 84.5 & 84.9 & 84.7 & 85.3 & 85.1 & 85.9 & 86.1 \end{matrix}$
 5.9 5.5 6.0 7.2 7.2 6.8 7.0 6.4 6.6 5.8 5.1
 50 35 30 26 19 18 21 26 32 50

$\begin{matrix} 84.6 & 84.4 & 84.7 & 85.0 & 85.4 & 85.4 & 85.6 & 85.7 & 85.5 \end{matrix}$
 7.1 7.3 7.0 6.7 6.3 6.3 6.1 6.0 6.2
 60 50 34 20 20 38 50 65

$\begin{matrix} 85.2 & 85.4 & 85.5 & 85.8 & 86.1 & 86.1 & 86.1 & 86.2 \end{matrix}$
 6.5 6.3 6.2 5.9 5.6 5.6 5.6 5.5
 60 50 34 16 17 34 65

$\begin{matrix} 85.2 & 85.5 & 85.7 & 86.3 & 86.6 & 86.9 & 86.1 & 86.1 & 86.3 \end{matrix}$
 6.5 6.2 6.0 5.4 5.1 5.3 5.6 5.6 5.4
 60 50 37 16 18 36 50 65

$\begin{matrix} 85.1 & 85.3 & 85.7 & 86.5 & 86.9 & 86.7 & 86.4 & 86.1 & 86.2 & 86.1 \end{matrix}$
 6.6 6.4 6.0 5.2 4.8 5.0 5.3 5.6 5.5 5.4
 60 50 36 19 16 21 36 50 65

$\begin{matrix} 85.7 & 86.1 & 86.6 & 87.1 & 87.6 & 87.3 & 87.2 & 86.8 & 86.6 \end{matrix}$
 6.0 5.6 5.1 4.6 4.1 4.4 4.5 4.9 5.1
 50 38 21 16 16 20 38 50

Sta + π - Elev

891.68

17+00

BM

2.20 889.48 (889.45)

Nov. 20, 1967

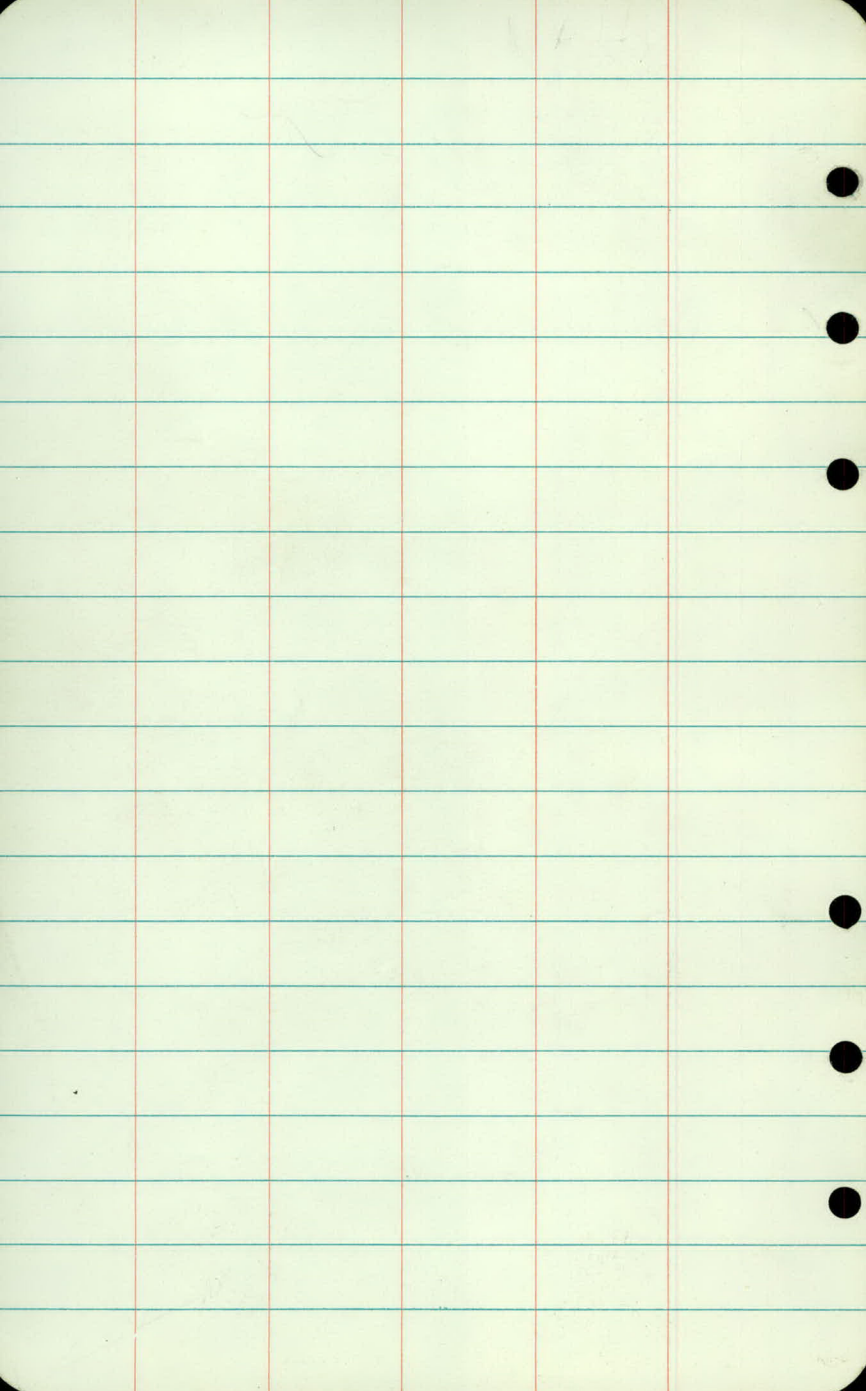
Lt.

~~2~~

Rt. 17

95.8	96.3	98.0	98.4	98.7	98.5	97.4	97.6	97.4
5.9	5.4	3.7	3.3	3.0	3.2	4.1	4.1	4.3
50	32	20	15		14	26	43	50

Top Hyd SW. Corner English + Larenteur



Alinement

~~VOIDED~~

Sta	Point	ΔLt	ΔRt
-----	-------	-------------	-------------

3+21.38			
---------	--	--	--

2+81.64			
---------	--	--	--

2+17.18			
---------	--	--	--

1+74.88			
---------	--	--	--

0+00 = East Shore Drive			
-------------------------	--	--	--

FR
WM
PK
WJ

March 1, 1967

2

$\frac{1}{2}$ " Iron Pin 35.10

FRANK
STREET 39.74

$\frac{3}{8}$ " Iron Pin 35.52

64.46'

$\frac{3}{8}$ " Iron pin 35.48

42.30

1" Iron pin 35.40
Edward
Street

○ Disk
PP

3.58

54.70

60.86

* Disk
Avg. Ht.

□ Ctn Top
Mail Box Post

Found Bolt

Correct ✓

244'

Sta Point ΔLf ΔRt

11+92.33

11+19.04

11+18.00

9+72.35

5+75.67

4+61.67

.19

FK
FS
LPD
WJ

April 20, 1967

3

32.94

73.29'

32.89

146.69

34.25

145.65

32.69

Atlantic
street

Duluth
street

Iron 34.63

144.00

Iron 34.77

void

Sta Point Δ Lt. Δ Rt.

23+15.69

22+95.12

16+32.68 P.I.

$0^{\circ} 17\frac{1}{2}'$

20+05.25 Approx $\pm$ McAfee

Iron at English

Locate 2403 (2+15)

20+20 to 21+50±

+32

+44

+72

21°

CORRECTIONS 10

+38

LARPENTEUR

+62

New X-sections

22

11-21-67

41+75

42+00

Lt.

+13

stark

→ +38

+67

43

+19

+58

44

+37

+74

3+07⁺ M.H. ϕ Type II

BM 2.35 897.13

894.78

20

4.1

+20

4.0

+32

+44

+72

21

+38

BM

0.27 896.86

896.84

Nov. 21, 1967

Lt

BT 2

	87.5	87.5	90.1	92.4	92.9
120	9.6	9.6	7.0	4.7	4.2
7Lt	50	47	36	20	13

Top Hyd S.W. Corner McAfee

	91.7	90.8	92.8	93.1	93.2	92.9	92.8	92.5	91.7	91.5
	9.4	6.3	4.3	4.0	3.9	4.2	4.3	4.6	5.4	5.6
	50	29	16	12		12	17	30	45	50

	91.7	90.1	92.9	93.2	93.2	93.0	92.9	92.7	91.6
	9.4	7.0	4.2	3.9	3.9	4.1	4.2	4.4	5.5
	50	29	16	12		12	17	36	50

	88.1	88.6	90.8	93.4	93.4	93.3	93.3	93.7
	9.0	8.5	6.3	3.7	3.7	3.8	3.8	3.4
	50	41	29	16		14	19	38

Ho

	88.5	89.0	91.5	93.3	93.6	93.4	93.3	93.2	92.1
	8.6	8.1	5.6	3.8	3.5	3.7	3.8	3.9	5.0
	50	41	27	16		14	17	32	41

	88.8	89.0	91.5	93.2	93.7	93.3	91.3	88.8	88.1
	8.3	8.1	5.6	3.9	3.4	3.8	5.8	8.3	9.0
	50	42	27	17		14	23	38	50

Top Hyd S.W. Cor Clarence

Sta + π - Elev.

BM. 5.40 916.74 911.34

42+13

✓

+38

✓

+67

43

Nov. 21, 1967

Lt.

L

Rt 3

Top Hyd. S.W. Corner Dieter & Langentenn

✓

10.7	10.5	10.4	10.9	11.4	11.7
6.0	6.2	6.3	5.8	5.3	5.0
43	27	20	15		

09.8	09.9
6.9	6.8
52	67
	NG

04.4	10.2	11.2	11.3	11.4	11.8
12.3	6.5	5.5	5.4	5.3	4.9
63	55	34	21	13	

Toe
7.6

	06.0	11.4	11.7	12.1	12.5
Toe	10.7	5.3	5.0	4.6	4.2
66	51	44	27	13	

	05.1	11.9	12.3	13.1	13.4
Toe	11.6	4.8	3.9	3.6	3.3
68	53	44	21	13	

Sta + Δ - Elev.

916.74

43+19

+58

44

TP 8.98 925.61 0.11 916.63 44 Δ

+37

BM

0.26 925.35 925.38

925.38

Nov. 21, 1967.

LT

£

4

	04.7	12.2	13.9	13.7	14.0
Toe	120	45	33	3.0	2.7
74	56	46	24	13	

	05.4	12.6	14.8	14.9	15.1
Toe	11.3	3.1	1.9	1.8	1.6
85	66	53	28	13	

	06.8	15.2	15.5	15.6	16.2	16.6
Toe	9.9	1.5	1.2	1.1	0.5	0.1
705	77	66	56	30	13	

	12.4	14.9	15.9	16.4	17.0	17.4	17.9.
13.2	10.7	9.7	9.2	8.6	8.0	7.7	
100	85	69	43	18	13		

on New Coast

Top Hyd S.W. Can Prosperity

