

Bk 35 - Dr. 11

OFFICE OF COUNTY ENGINEER  
RAMSEY CO. MINN.

\_\_\_\_\_ Plan \_\_\_\_\_ Survey

\_\_\_\_\_ ALBERT ST. \_\_\_\_\_

From Larpenteur Av. To Garden Ave.

Road Acc't. No. R-12 \_\_\_\_\_

Date Filed 10-24-37 \_\_\_\_\_

File \_\_\_\_\_

Alignment

Albert St.

| Sta | Pt. | $\Delta L$ | $\Delta R$ |
|-----|-----|------------|------------|
|-----|-----|------------|------------|

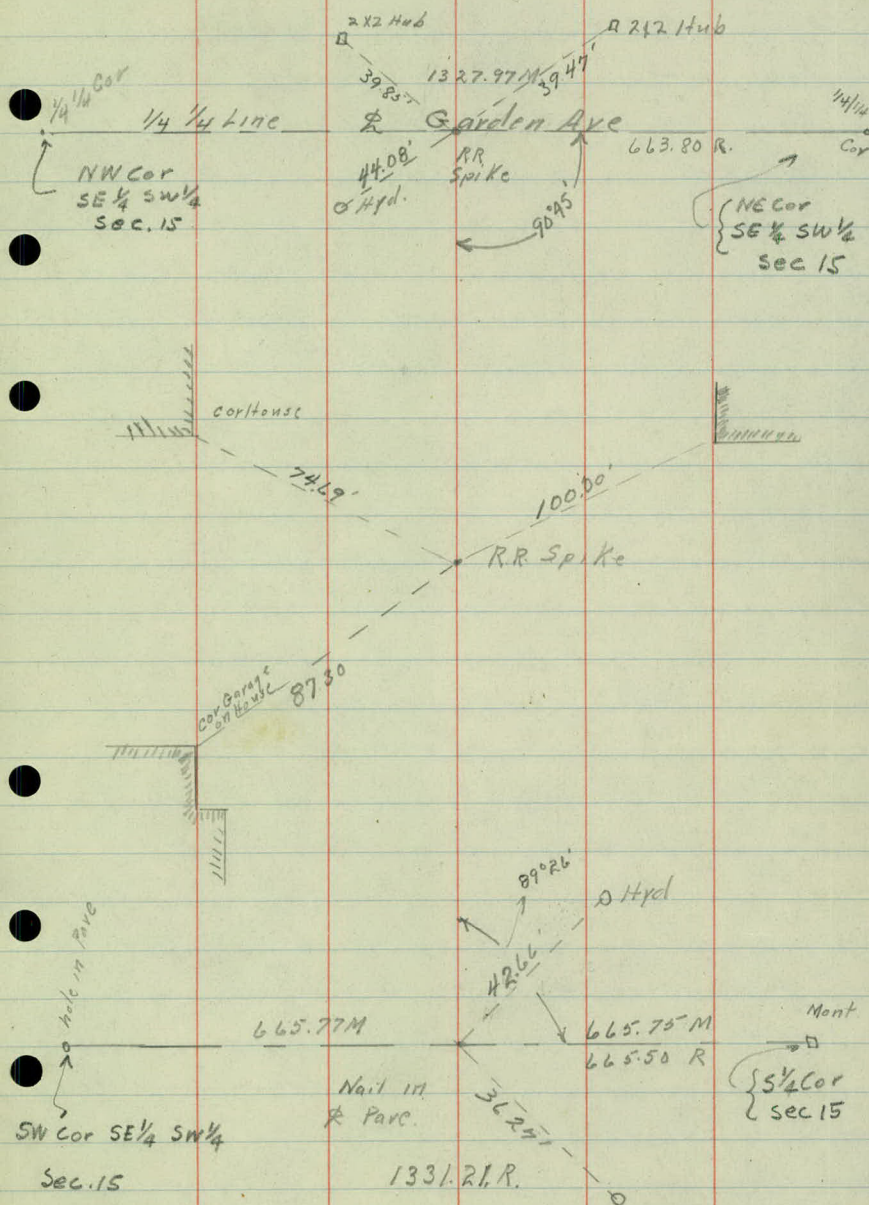
|                     |  |  |  |
|---------------------|--|--|--|
| 13+20 <sup>37</sup> |  |  |  |
|---------------------|--|--|--|

|  |  |        |  |
|--|--|--------|--|
|  |  | 90°45' |  |
|--|--|--------|--|

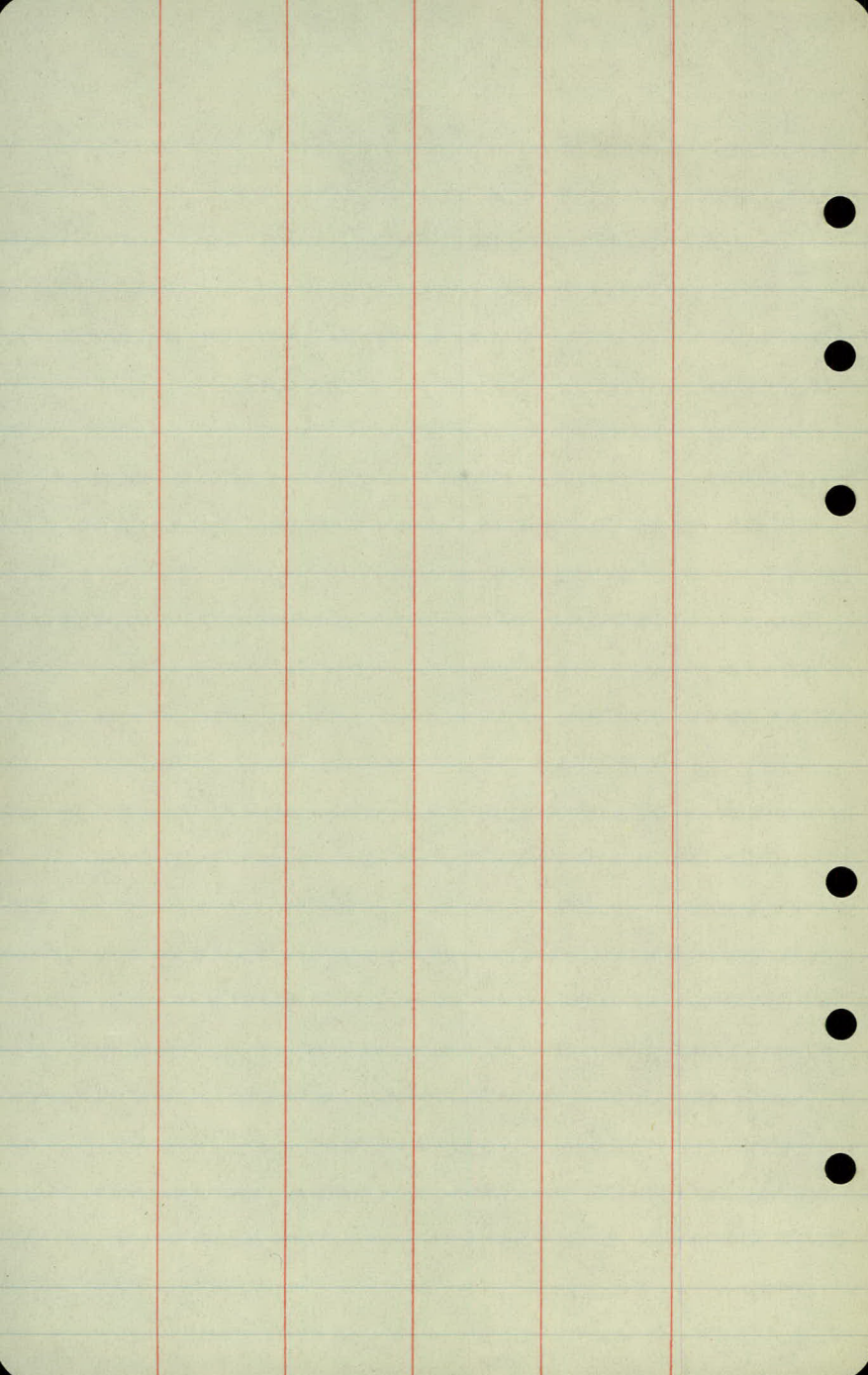
|      |     |  |  |
|------|-----|--|--|
| 9+50 | POT |  |  |
|------|-----|--|--|

|      |  |  |  |
|------|--|--|--|
| 0+00 |  |  |  |
|------|--|--|--|

|  |  |        |  |
|--|--|--------|--|
|  |  | 89°26' |  |
|--|--|--------|--|







Topography  
ALBERT ST.

6

Ref.  
10 20'

5

10 20'

4

10' 19'

3

9 20'

2

10' 19'

1

10' 18'

+50

10' 18'  
0.435 X Drain  
18" X 40' DHC  
(17' 23')

0



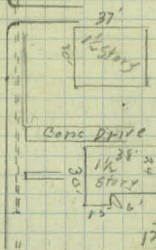
+85 End Cultivation  
Beg Yards

+37 End Culvert  
+30 Ent

Cultivated

0.1 Surface

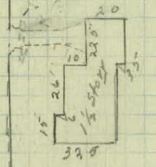
Cultivated



+26 End Walk 28'  
 +95 Ho 57'  
 +96 4' Walk 21'  
 +74 Beg 2' Walk  
 +69 10' Conc Drive  
 +60 6' Tree 42' (28')  
 +51 5' Walk 28'  
 +30 Beg Culvert 27'  
 +33 Ho 59'  
 +27 2' Birch 46'  
 +04 Ent  
 12" X 20' CM 27'  
 +76 End Culvert  
 +66 Ho 62'  
 +56 Walk 21'  
 +43 Ent



+37 Cor Ho 60'  
 +29 Ent  
 +19 Beg Culvert 27'  
 12" X 157' CM



+60 10' Tree 43'  
 10' Conc Drive 18'  
 +20 Ent  
 12" X 30' CM 26'

+21 6' Tree 35'

+95 Cor Ho 42'

+84 8' Tree 39'  
 +51 6' Tree 36'  
 +50 Beg Yard  
 +32 GRH 28'  
 +22 Hpt 36'

Larpenieur Ave 1 CC Parc



13

89  
70.14

12

10' 16'

11

11

12' 16'

10

11' 15'

9

10' 18"

8

13 17

7

13 17'

6

10 20'

+90 End Cult.

+95 End Cult.

+80 Apr 19'

Cultivated

Cultivated

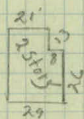
+130 End Yards Beg Cultivating  
+120 Ent 12" X 18' CM 17'

+86 Ho 65'



+95 Ent

+65 Ho 69'



+20 4" Walk 29'

+05 Ent 12" X 18' CM 16'

+00 Ho 69'



+82 Ent 12" X 16' CM 16'

+70 6" Tree 21'

+48 6" Tree 21'

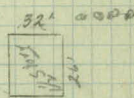
+44 Ho 69'



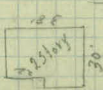
+25 Hedge 30'

+01 2" Walk 14'

+96 Ho 68'



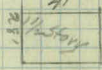
+52 Alley 10' X 16' CM 17'



+06 Ho 68'

+50 End Yards  
Beg Cult.

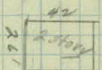
+93 Ho



+78 Ent

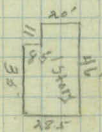
+68 Ent

+32 Ho 92'

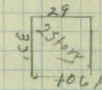


+05 Ent + 12

+61 Ho.

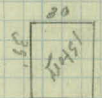


+44 Ent



+06 Ho 95'

+84 Ent



+39 Ho 96'

+28 6" Tree 38'

+90 Ho 60'

+69 Ent

+60 Ho 69 30'

+54 Ent 12" X 13' CM.

+47 End Hedge

+30 Ho 126'

+00 Beg Hedge 31'



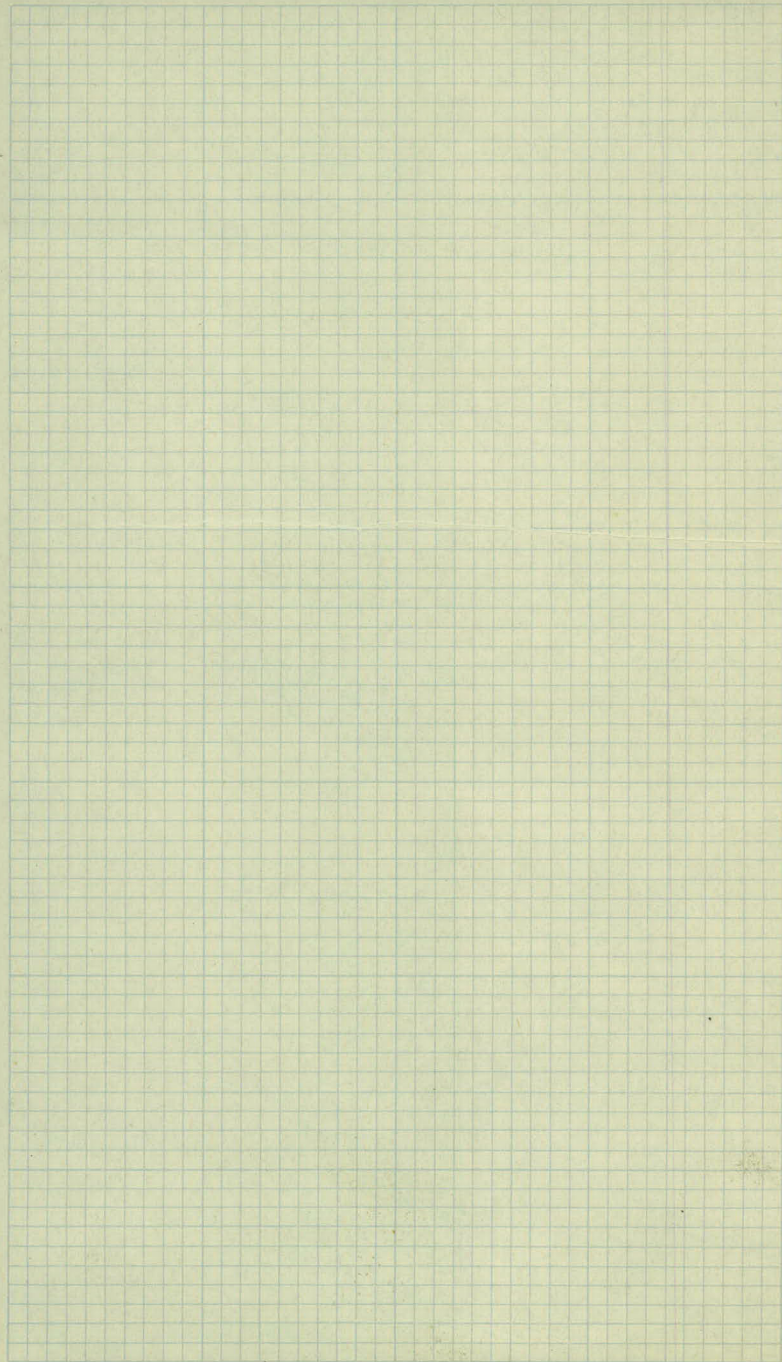




13+02 X Drain  
15x40' CM

Garden Ave. - 26' Gravel Rd.

$\frac{5}{17.4}$  -  $\frac{1}{23}$  Rt



7  
X Sections

Albert Ave



| Sta   | +    | $\pi$      | - | Elev   |
|-------|------|------------|---|--------|
|       | 0.84 | 950.14     |   | 949.30 |
| 0+00  |      |            |   | 47.2   |
| + 23  |      |            |   | 46.8   |
| +29   |      |            |   | 46.7   |
| +35   |      | X Drain    |   | 46.5   |
| + 40  |      |            |   | 46.4   |
| + 44  |      |            |   | 46.3   |
| +50   |      |            |   | 46.0   |
| 1 +00 |      |            |   | 44.9   |
| +50   |      | Conn Drive |   | 44.7   |
| 2 +00 |      |            |   | 44.6   |
| +50   |      |            |   | 44.9   |
| 3 +00 |      |            |   | 45.0   |

LX

X

RX

Top of Hyd N.E. Cor Albert &amp; Larp.

$$\frac{27}{50}$$

2.9

$$\frac{31}{50}$$

$$\frac{34}{50}$$

$$\frac{34}{20}$$

$$\frac{32}{12}$$

33

$$\frac{31}{15}$$

$$\frac{32}{19}$$

$$\frac{34}{32}$$

$$\frac{34}{50}$$

$$\frac{44}{50}$$

$$\frac{47}{33}$$

$$\frac{46}{18}$$

$$\frac{34}{8}$$

3.4

$$\frac{34}{14}$$

$$\frac{45}{32}$$

$$\frac{48}{50}$$

$$\frac{46}{50}$$

$$\frac{50}{19}$$

$$\frac{47}{19}$$

$$\frac{36}{10}$$

36

$$\frac{34}{14}$$

$$\frac{58}{14}$$

$$\frac{24}{50}$$

$$\frac{50}{50}$$

$$\frac{44}{50}$$

$$\frac{46}{18}$$

$$\frac{36}{10}$$

37

$$\frac{37}{18}$$

$$\frac{48}{26}$$

$$\frac{49}{33}$$

$$\frac{50}{50}$$

$$\frac{31}{50}$$

$$\frac{34}{24}$$

$$\frac{37}{18}$$

3.8

$$\frac{37}{17}$$

$$\frac{46}{27}$$

$$\frac{48}{50}$$

$$\frac{45}{50}$$

$$\frac{52}{18}$$

$$\frac{41}{11}$$

41

$$\frac{41}{18}$$

$$\frac{55}{23}$$

$$\frac{43}{29}$$

$$\frac{38}{50}$$

$$\frac{62}{50}$$

$$\frac{63}{16}$$

$$\frac{52}{9}$$

52

$$\frac{50}{18}$$

$$\frac{62}{24}$$

$$\frac{62}{26}$$

$$\frac{55}{34}$$

$$\frac{34}{43}$$

$$\frac{69}{50}$$

$$\frac{68}{27}$$

$$\frac{60}{14}$$

$$\frac{56}{7}$$

5.4

$$\frac{52}{5.2}$$

$$\frac{65}{24}$$

$$\frac{65}{26}$$

$$\frac{36}{41}$$

$$\frac{3.20}{50}$$

$$\frac{66}{50}$$

$$\frac{66}{27}$$

$$\frac{66}{17}$$

$$\frac{54}{9}$$

5.5

$$\frac{51}{16}$$

$$\frac{55}{19}$$

$$\frac{75}{24}$$

$$\frac{75}{26}$$

$$\frac{61}{29}$$

$$\frac{50}{50}$$

$$\frac{66}{50}$$

$$\frac{65}{33}$$

$$\frac{64}{17}$$

$$\frac{51}{10}$$

52

$$\frac{47}{21}$$

$$\frac{42}{29}$$

$$\frac{38}{34}$$

$$\frac{33}{50}$$

$$\frac{59}{50}$$

$$\frac{58}{32}$$

$$\frac{62}{17}$$

$$\frac{48}{10}$$

51

$$\frac{46}{21}$$

$$\frac{46}{24}$$

$$\frac{39}{32}$$

$$\frac{27}{46}$$

$$\frac{27}{50}$$

| Sta. | + | $\pi$  | - | Elev |
|------|---|--------|---|------|
|      |   | 930.14 |   |      |

|      |  |  |  |      |
|------|--|--|--|------|
| 3+50 |  |  |  | 45.6 |
|------|--|--|--|------|

|     |                   |          |      |        |
|-----|-------------------|----------|------|--------|
| +55 | Top of Walk Rt. ✓ |          |      |        |
| T.P | 5.55              | 954.16 ✓ | 1.53 | 948.61 |
| 4   |                   |          |      | 46.5   |

|     |  |  |  |               |
|-----|--|--|--|---------------|
| +50 |  |  |  | Walk Rt. 47.3 |
|-----|--|--|--|---------------|

|     |  |  |  |                |
|-----|--|--|--|----------------|
| +68 |  |  |  | Comp Drive Rt. |
|-----|--|--|--|----------------|

|      |  |  |  |                  |
|------|--|--|--|------------------|
| +96  |  |  |  | Walk & Steps Rt. |
| 5+00 |  |  |  | 48.1             |

|     |  |  |  |      |
|-----|--|--|--|------|
| +50 |  |  |  | 49.2 |
|-----|--|--|--|------|

|      |  |  |  |      |
|------|--|--|--|------|
| 6+00 |  |  |  | 50.3 |
|------|--|--|--|------|

|     |  |  |  |      |
|-----|--|--|--|------|
| +50 |  |  |  | 51.4 |
|-----|--|--|--|------|

|      |      |          |      |          |
|------|------|----------|------|----------|
| B.M. | 5.74 | 958.61 ✓ | 1.29 | 952.87 ✓ |
|------|------|----------|------|----------|

|   |  |  |  |      |
|---|--|--|--|------|
| 7 |  |  |  | 52.2 |
|---|--|--|--|------|

|      |  |  |  |                |
|------|--|--|--|----------------|
| to 1 |  |  |  | Top of Walk Lt |
|------|--|--|--|----------------|

|     |  |  |  |      |
|-----|--|--|--|------|
| +50 |  |  |  | 52.8 |
|-----|--|--|--|------|

|   |  |  |  |      |
|---|--|--|--|------|
| 8 |  |  |  | 53.2 |
|---|--|--|--|------|

|     |  |  |  |                |
|-----|--|--|--|----------------|
| +23 |  |  |  | Top of Walk Lt |
|-----|--|--|--|----------------|



LT      X      RT

$\frac{5.3}{50}$   $\frac{5.7}{33}$   $\frac{5.7}{17}$   $\frac{4.4}{10}$  45  $\frac{4.4}{21}$   $\frac{4.2}{27}$   $\frac{3.1}{31}$   $\frac{2.2}{30}$

45.99  
4.15  
Top of Walk

47.19  
2.95  
Top of Step

$\frac{8.8}{30}$   $\frac{7.0}{19}$   $\frac{7.6}{10}$  7.7  $\frac{7.7}{21}$   $\frac{7.6}{25}$   $\frac{7.3}{34}$   $\frac{7.3}{30}$

Top of Walk 47.4  
 $\frac{7.1}{30}$   $\frac{7.6}{31}$   $\frac{8.1}{18}$   $\frac{7.0}{12}$  6.9  $\frac{7.0}{28}$   $\frac{6.8}{28}$   $\frac{6.4}{50}$

47.58  
6.58  
Top of Conc Drive

48.72 6.0  
Top of Walk 5.7  
Top of Step 48.46

$\frac{5.5}{50}$   $\frac{6.4}{26}$   $\frac{7.1}{19}$   $\frac{6.1}{12}$  6.1  $\frac{6.2}{17}$   $\frac{5.8}{28}$   $\frac{5.3}{30}$

$\frac{4.5}{50}$   $\frac{4.7}{32}$   $\frac{5.1}{21}$   $\frac{5.7}{18}$   $\frac{4.8}{13}$   $\frac{5.0}{14}$   $\frac{5.1}{18}$   $\frac{5.8}{24}$   $\frac{5.3}{28}$   $\frac{5.3}{30}$

$\frac{2.2}{50}$   $\frac{2.9}{34}$   $\frac{3.9}{26}$   $\frac{4.5}{17}$   $\frac{3.6}{11}$  3.9  $\frac{3.9}{18}$   $\frac{4.4}{23}$   $\frac{3.6}{33}$   $\frac{3.8}{50}$

$\frac{2.1}{50}$   $\frac{2.7}{37}$   $\frac{3.6}{20}$   $\frac{3.6}{17}$   $\frac{2.7}{13}$  2.8  $\frac{2.9}{20}$   $\frac{3.7}{24}$   $\frac{3.7}{26}$   $\frac{2.6}{31}$   $\frac{2.3}{30}$

N.E Cor Bottom Conc Step 52' L + L + 30

53.31 5.3 5.8 52.81 6.3 52.31 6.26 51.86  
WALK WALK WALK WALK  
 $\frac{5.6}{50}$   $\frac{6.0}{31}$   $\frac{7.2}{21}$   $\frac{7.4}{18}$   $\frac{6.3}{16}$  6.4  $\frac{6.6}{18}$   $\frac{7.0}{21}$   $\frac{6.2}{27}$   $\frac{5.8}{30}$

40  $\frac{4.3}{50}$   $\frac{5.9}{39}$   $\frac{6.4}{25}$   $\frac{6.4}{19}$   $\frac{6.4}{17}$  5.8  $\frac{6.2}{19}$   $\frac{6.4}{24}$   $\frac{5.5}{29}$   $\frac{5.4}{50}$

$\frac{4.7}{50}$   $\frac{5.2}{22}$   $\frac{6.1}{19}$   $\frac{6.1}{17}$   $\frac{5.8}{14}$  5.4  $\frac{5.8}{17}$   $\frac{6.2}{20}$   $\frac{6.2}{26}$   $\frac{4.9}{30}$

54.11 4.5  
Top of Walk

| Sta | + | $\pi$ | - | Elev |
|-----|---|-------|---|------|
|-----|---|-------|---|------|

958.4

8+50

53.2

+95

Conc. Drivelt

9

53.3

+50

53.2

10

53.2

B.M.

0.91

952.39

7.13

951.48

B.M.

9.13

943.26

B.M

4.23

955.71

951.48

10+50

52.5

11

51.2

+50

50.1

12

49.2

+50

49.0

+94

48.4

L+

X

R+

|                  |                  |                  |                  |                  |     |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|
| $\frac{3.8}{50}$ | $\frac{4.9}{26}$ | $\frac{6.0}{19}$ | $\frac{6.0}{16}$ | $\frac{5.2}{11}$ | 5.4 | $\frac{6.2}{19}$ | $\frac{6.5}{23}$ | $\frac{6.5}{25}$ | $\frac{5.8}{26}$ | $\frac{4.8}{50}$ |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|

55.41 -  $\frac{3.2}{\text{Top of Drive}}$ 

|                  |                  |                  |                  |                  |                  |     |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|
| $\frac{4.3}{50}$ | $\frac{4.6}{31}$ | $\frac{5.1}{23}$ | $\frac{5.8}{17}$ | $\frac{5.8}{15}$ | $\frac{5.2}{11}$ | 5.3 | $\frac{5.8}{17}$ | $\frac{6.4}{22}$ | $\frac{5.6}{50}$ |
|------------------|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|

|                  |                  |                  |                  |                  |                  |     |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|
| $\frac{4.8}{50}$ | $\frac{5.6}{33}$ | $\frac{5.9}{25}$ | $\frac{5.9}{19}$ | $\frac{5.9}{17}$ | $\frac{5.1}{11}$ | 5.4 | $\frac{5.9}{17}$ | $\frac{6.4}{24}$ | $\frac{6.4}{26}$ | $\frac{6.0}{28}$ | $\frac{5.6}{50}$ |
|------------------|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|

|                  |                  |                  |                  |                  |     |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|
| $\frac{3.6}{50}$ | $\frac{4.4}{32}$ | $\frac{5.8}{25}$ | $\frac{6.4}{19}$ | $\frac{5.3}{11}$ | 5.4 | $\frac{6.1}{18}$ | $\frac{5.7}{24}$ | $\frac{5.5}{28}$ | $\frac{5.0}{50}$ |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|

Top of Hyd. S.W. Cor. Albert & Garden Ave.  
 Spk. in G. Pole S.E. Cor. Hamlin & Garden

Top of Hyd. S.W. Cor. Hamlin & Garden

|                  |                  |                  |                  |                  |                  |     |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|
| $\frac{3.2}{50}$ | $\frac{3.1}{39}$ | $\frac{4.2}{30}$ | $\frac{4.6}{23}$ | $\frac{4.9}{17}$ | $\frac{3.3}{12}$ | 3.2 | $\frac{3.6}{16}$ | $\frac{3.8}{21}$ | $\frac{2.7}{26}$ | $\frac{2.0}{33}$ | $\frac{1.8}{50}$ |
|------------------|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|

|                  |                  |                  |                  |                  |     |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|
| $\frac{6.1}{50}$ | $\frac{5.0}{33}$ | $\frac{6.2}{28}$ | $\frac{4.2}{17}$ | $\frac{4.7}{12}$ | 4.5 | $\frac{4.9}{15}$ | $\frac{3.4}{24}$ | $\frac{5.1}{37}$ | $\frac{5.1}{50}$ |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|

|                  |                  |                  |                  |                  |     |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|
| $\frac{5.9}{50}$ | $\frac{5.9}{30}$ | $\frac{7.0}{27}$ | $\frac{7.0}{17}$ | $\frac{5.7}{10}$ | 5.6 | $\frac{6.2}{15}$ | $\frac{7.1}{21}$ | $\frac{7.1}{31}$ | $\frac{7.2}{50}$ |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|

|                  |                  |                  |                  |                  |     |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|
| $\frac{6.0}{50}$ | $\frac{6.0}{30}$ | $\frac{7.5}{25}$ | $\frac{7.5}{16}$ | $\frac{6.4}{10}$ | 6.0 | $\frac{6.8}{16}$ | $\frac{8.1}{22}$ | $\frac{8.1}{50}$ |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|

|                  |                  |                  |                  |                  |     |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|
| $\frac{5.6}{50}$ | $\frac{6.0}{28}$ | $\frac{7.6}{21}$ | $\frac{7.5}{14}$ | $\frac{6.7}{10}$ | 6.7 | $\frac{7.4}{16}$ | $\frac{8.4}{20}$ | $\frac{8.3}{33}$ | $\frac{8.4}{50}$ |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|

|                  |                  |                  |                  |                  |     |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|
| $\frac{5.7}{50}$ | $\frac{6.0}{26}$ | $\frac{8.4}{21}$ | $\frac{8.4}{15}$ | $\frac{7.3}{11}$ | 7.3 | $\frac{7.6}{19}$ | $\frac{8.6}{22}$ | $\frac{8.7}{25}$ | $\frac{7.6}{29}$ | $\frac{7.7}{50}$ |
|------------------|------------------|------------------|------------------|------------------|-----|------------------|------------------|------------------|------------------|------------------|



Sta +  $\Delta$  - Elev

953.71

13 +00

48.1

+05

48.1

+07

48.0

+20

48.1

B.M

4.23

951.48 ✓

Lt

Z

Rt

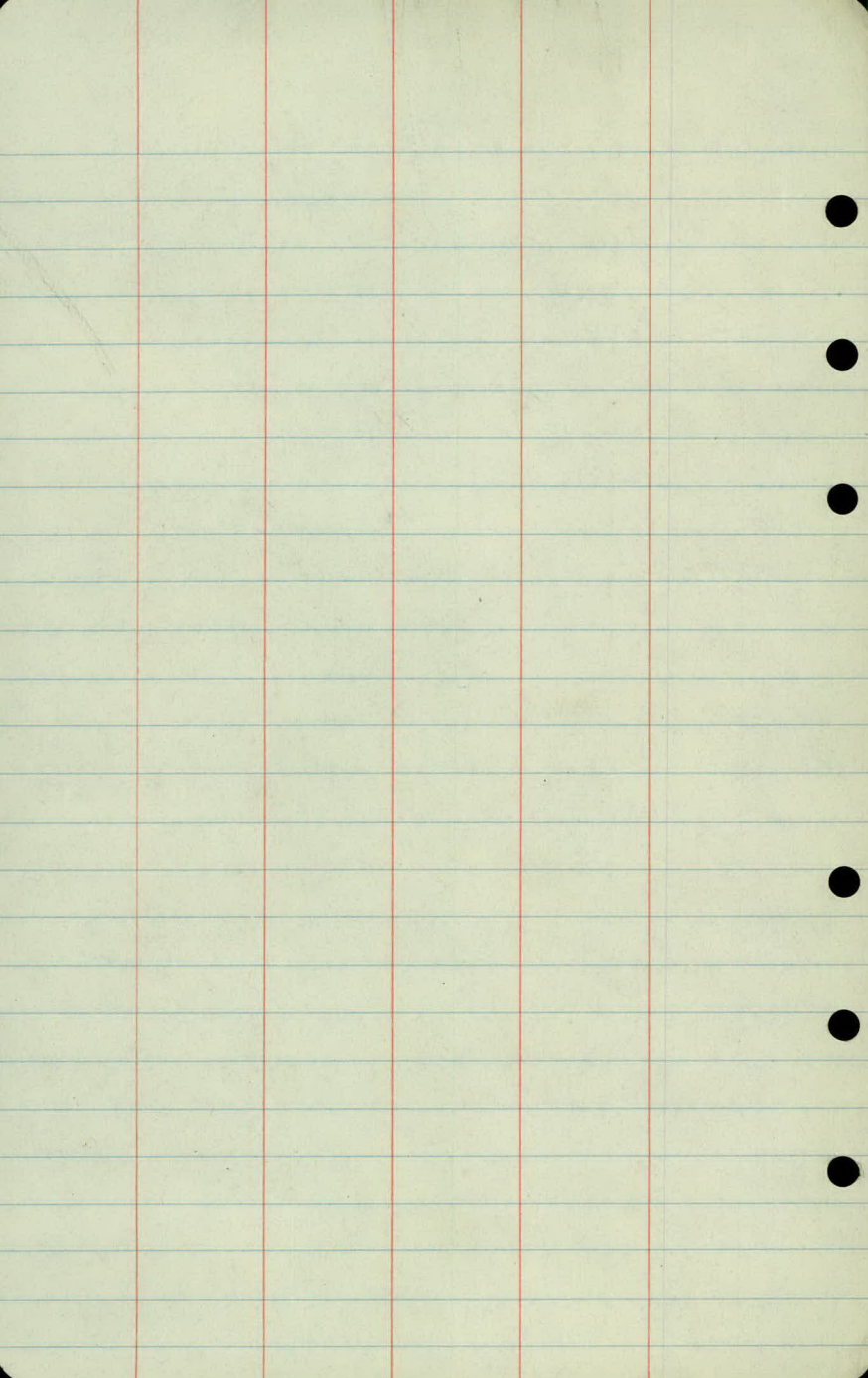
$$\frac{8.2}{50} \quad \frac{8.2}{21} \quad \frac{8.4}{15} \quad \frac{7.5}{11} \quad 7.6 \quad \frac{7.6}{20} \quad \frac{8.6}{26} \quad \frac{8.6}{50}$$

$$\frac{8.6}{50} \quad \frac{8.7}{20} \quad \frac{7.6}{11} \quad 7.6 \quad \frac{7.6}{20} \quad \frac{8.6}{26} \quad \frac{8.6}{50}$$

$$\frac{7.5}{50} \quad 7.7 \quad \frac{7.8}{50}$$

$$\frac{7.5}{50} \quad 7.6 \quad \frac{7.8}{50}$$

Top of Hyd. Garden & Albert





## Cross Sections

N. Side Larpenfeur  
from Albert to Homline  
Sta. 0+00 =  $\pm$  Albert.

| Sta  | +    | $\pi$  | -    | Elev.                        |
|------|------|--------|------|------------------------------|
| B.M. | 2.02 | 951.32 | ✓    | 949.30                       |
| 0+25 |      |        | 4.18 | 47.1<br>Sec. thru Alb. ditch |

4.18

|      |  |  |  |      |
|------|--|--|--|------|
| 0+30 |  |  |  | 47.1 |
|------|--|--|--|------|

|      |      |        |      |          |
|------|------|--------|------|----------|
| T.P. | 1.26 | 950.56 | 2.02 | 949.30 ✓ |
| 0+80 |      |        | 3.60 | 46.96    |

|      |  |  |      |       |
|------|--|--|------|-------|
| 0+87 |  |  | 3.61 | 46.95 |
|------|--|--|------|-------|

X

|   |  |  |      |       |
|---|--|--|------|-------|
| 1 |  |  | 3.62 | 46.94 |
|---|--|--|------|-------|

|     |  |  |      |       |
|-----|--|--|------|-------|
| +35 |  |  | 3.74 | 46.82 |
|-----|--|--|------|-------|

Top Hyd. N.E. Cor Larp. & Albert

F.L.  
 $\begin{array}{r} 7.8 \\ 130 \end{array}$   $\begin{array}{r} 7.9 \\ 130 \end{array}$   $\begin{array}{r} 7.4 \\ 106 \end{array}$   $\begin{array}{r} 7.1 \\ 73 \end{array}$   $\begin{array}{r} 6.5 \\ 49 \end{array}$   $\begin{array}{r} 5.1 \\ 46 \end{array}$   $\begin{array}{r} 5.9 \\ 45 \end{array}$   $\begin{array}{r} 6.2 \\ 43 \end{array}$   $\begin{array}{r} 6.1 \\ 37 \end{array}$   $\begin{array}{r} 5.1 \\ 33 \end{array}$   $\begin{array}{r} 4.7 \\ 30 \end{array}$   $\begin{array}{r} 4.22 \\ 23 \end{array}$   $\begin{array}{r} 4.22 \\ 10 \end{array}$   $\begin{array}{r} 4.18 \\ 4.18 \end{array}$

F.L.  
 $\begin{array}{r} 8.4 \\ 216 \end{array}$   $\begin{array}{r} 5.9 \\ 250 \end{array}$   $\begin{array}{r} 6.6 \\ 221 \end{array}$   $\begin{array}{r} 8.2 \\ 216 \end{array}$   $\begin{array}{r} 8.5 \\ 200 \end{array}$   $\begin{array}{r} 8.5 \\ 186 \end{array}$   $\begin{array}{r} 8.2 \\ 160 \end{array}$  F.L.  
 $\begin{array}{r} 8.2 \\ 160 \end{array}$

44.92  
 $\begin{array}{r} 4.8 \\ 142 \end{array}$   $\begin{array}{r} 4.9 \\ 718 \end{array}$   $\begin{array}{r} 4.8 \\ 100 \end{array}$   $\begin{array}{r} 5.1 \\ 45 \end{array}$   $\begin{array}{r} 6.0 \\ 42 \end{array}$   $\begin{array}{r} 6.4 \\ 35 \end{array}$   $\begin{array}{r} 6.4 \\ 29 \end{array}$   $\begin{array}{r} 4.8 \\ 25 \end{array}$   $\begin{array}{r} 4.22 \\ 10 \end{array}$   $\begin{array}{r} 4.18 \\ 4.18 \end{array}$

$\begin{array}{r} 5.0 \\ 236 \end{array}$   $\begin{array}{r} 6.0 \\ 231 \end{array}$   $\begin{array}{r} 6.3 \\ 321 \end{array}$   $\begin{array}{r} 6.7 \\ 200 \end{array}$   $\begin{array}{r} 6.8 \\ 191 \end{array}$   $\begin{array}{r} 5.0 \\ 182 \end{array}$   $\begin{array}{r} 5.1 \\ 152 \end{array}$

45.16  
 $\begin{array}{r} 6.7 \\ 211 \end{array}$   $\begin{array}{r} 6.9 \\ 200 \end{array}$   $\begin{array}{r} 6.1 \\ 197 \end{array}$   $\begin{array}{r} 4.4 \\ 183 \end{array}$   $\begin{array}{r} 3.5 \\ 100 \end{array}$   $\begin{array}{r} 4.1 \\ 48 \end{array}$   $\begin{array}{r} 5.4 \\ 45 \end{array}$   $\begin{array}{r} 5.3 \\ 35 \end{array}$   $\begin{array}{r} 5.1 \\ 27 \end{array}$   $\begin{array}{r} 4.0 \\ 20 \end{array}$   $\begin{array}{r} 3.70 \\ 10 \end{array}$   $\begin{array}{r} 3.60 \\ 3.60 \end{array}$

$\begin{array}{r} 4.7 \\ 233 \end{array}$   $\begin{array}{r} 5.3 \\ 224 \end{array}$   $\begin{array}{r} 6.5 \\ 215 \end{array}$

45.16  
 $\begin{array}{r} 6.8 \\ 188 \end{array}$   $\begin{array}{r} 6.4 \\ 160 \end{array}$   $\begin{array}{r} 6.1 \\ 138 \end{array}$   $\begin{array}{r} 5.7 \\ 104 \end{array}$   $\begin{array}{r} 5.3 \\ 64 \end{array}$   $\begin{array}{r} 5.4 \\ 46 \end{array}$   $\begin{array}{r} 5.3 \\ 34 \end{array}$   $\begin{array}{r} 5.0 \\ 27 \end{array}$   $\begin{array}{r} 4.0 \\ 20 \end{array}$   $\begin{array}{r} 3.71 \\ 10 \end{array}$   $\begin{array}{r} 3.61 \\ 3.61 \end{array}$

$\begin{array}{r} 4.4 \\ 234 \end{array}$   $\begin{array}{r} 5.1 \\ 230 \end{array}$   $\begin{array}{r} 5.2 \\ 220 \end{array}$   $\begin{array}{r} 6.7 \\ 216 \end{array}$   $\begin{array}{r} 7.1 \\ 202 \end{array}$

45.06  
 $\begin{array}{r} 7.1 \\ 190 \end{array}$   $\begin{array}{r} 6.4 \\ 163 \end{array}$   $\begin{array}{r} 6.4 \\ 132 \end{array}$   $\begin{array}{r} 6.2 \\ 100 \end{array}$   $\begin{array}{r} 5.6 \\ 73 \end{array}$   $\begin{array}{r} 5.1 \\ 48 \end{array}$   $\begin{array}{r} 5.5 \\ 45 \end{array}$   $\begin{array}{r} 5.4 \\ 39 \end{array}$   $\begin{array}{r} 5.3 \\ 28 \end{array}$   $\begin{array}{r} 4.1 \\ 20 \end{array}$   $\begin{array}{r} 3.72 \\ 10 \end{array}$   $\begin{array}{r} 3.62 \\ 3.62 \end{array}$

$\begin{array}{r} 5.0 \\ 233 \end{array}$   $\begin{array}{r} 5.1 \\ 224 \end{array}$   $\begin{array}{r} 6.0 \\ 218 \end{array}$   $\begin{array}{r} 6.4 \\ 207 \end{array}$

44.76  
 $\begin{array}{r} 6.0 \\ 194 \end{array}$   $\begin{array}{r} 6.1 \\ 155 \end{array}$   $\begin{array}{r} 6.0 \\ 119 \end{array}$   $\begin{array}{r} 5.7 \\ 103 \end{array}$   $\begin{array}{r} 5.6 \\ 78 \end{array}$   $\begin{array}{r} 5.1 \\ 48 \end{array}$   $\begin{array}{r} 5.5 \\ 46 \end{array}$   $\begin{array}{r} 5.8 \\ 36 \end{array}$   $\begin{array}{r} 5.6 \\ 26 \end{array}$   $\begin{array}{r} 4.5 \\ 21 \end{array}$   $\begin{array}{r} 3.83 \\ 10 \end{array}$   $\begin{array}{r} 3.74 \\ 3.74 \end{array}$

$\begin{array}{r} 5.3 \\ 224 \end{array}$   $\begin{array}{r} 5.5 \\ 218 \end{array}$   $\begin{array}{r} 5.7 \\ 213 \end{array}$



| Sta  | +    | $\bar{A}$ | -    | Elev.  |
|------|------|-----------|------|--------|
|      |      | 950.56    |      |        |
| 1+50 |      |           | 3.75 | 46.81  |
| +75  |      |           | 3.79 | 46.77  |
| +82  |      |           | 3.81 | 46.75  |
| T.P. | 3.03 | 952.33 ✓  | 1.26 | 949.30 |
| 2+30 |      |           | 5.70 | 46.63  |
| +35  |      |           | 5.73 | 46.60  |
| +78  |      |           | 5.85 | 46.48  |
| +82  |      |           | 5.88 | 46.45  |
| +96  |      |           | 5.93 | 46.40  |
| 3    |      |           | 5.93 | 46.40  |
| +38  |      |           | 5.99 | 46.34  |
| +41  |      |           | 5.94 | 46.39  |
| +56  |      |           | 5.99 | 46.34  |

4

$$\begin{array}{r} 4486 \\ \hline \begin{array}{cccccccc} 5.4 & 5.5 & 5.4 & 5.4 & 5.2 & 5.4 & 5.7 & 4.8 & 3.83 \\ 168 & 136 & 100 & 74 & 48 & 47 & 38 & 27 & 21 & 10 & 3.75 \end{array} \end{array}$$

$$\begin{array}{r} 4426 \\ \hline \begin{array}{cccc} 5.2 & 5.4 & 5.7 & \\ 226 & 206 & 20. & \end{array} \\ \hline \begin{array}{cccc} 4.9 & 4.9 & 5.8 & (5.8) \\ 50 & 48 & 47 & 35 \end{array} \end{array}$$

$$\begin{array}{r} 4676 \\ \hline \begin{array}{cccccccc} 4.6 & 5.0 & 5.2 & 4.7 & 3.5 & 3.8 & 3.6 & 3.9 & 3.92 \\ 230 & 192 & 151 & 137 & 100 & 45 & 25 & 20 & 10 & 3.81 \end{array} \end{array}$$

$$\begin{array}{r} 4703 \\ \hline \begin{array}{ccc} 5.5 & 5.3 & 5.81 \\ 50 & 35 & 10 & 5.70 \end{array} \end{array}$$

$$\begin{array}{r} 4453 \\ \hline \begin{array}{cccc} 5.7 & 7.5 & (7.8) & 7.0 & 5.8 & 5.79 \\ 50 & 45 & 35 & 28 & 22 & 10 & 5.73 \end{array} \end{array}$$

$$\begin{array}{r} 4443 \\ \hline \begin{array}{cccc} 5.5 & 5.9 & 7.5 & (7.9) & 7.8 & 5.7 & 5.93 \\ 50 & 48 & 43 & 35 & 30 & 22 & 10 & 5.85 \end{array} \end{array}$$

$$\begin{array}{r} 4633 \\ \hline \begin{array}{cccc} 5.7 & 6.0 & 5.7 & 5.92 \\ 50 & 32 & 23 & 10 & 5.88 \end{array} \end{array}$$

$$\begin{array}{r} 4593 \\ \hline \begin{array}{cccc} 5.9 & 6.1 & 6.4 & 5.9 & 6.0 & 5.96 \\ 50 & 41 & 35 & 28 & 20 & 10 & 5.93 \end{array} \end{array}$$

$$\begin{array}{r} 4433 \\ \hline \begin{array}{cccc} 5.9 & 6.5 & 7.7 & (8.0) & 7.8 & 6.0 & 5.98 \\ 50 & 46 & 38 & 35 & 28 & 22 & 10 & 5.93 \end{array} \end{array}$$

$$\begin{array}{r} 4433 \\ \hline \begin{array}{cccc} 6.8 & 7.0 & (8.0) & 7.6 & 6.4 & 6.03 \\ 50 & 43 & 35 & 29 & 23 & 10 & 5.99 \end{array} \end{array}$$

$$\begin{array}{r} 4613 \\ \hline \begin{array}{cccc} 5.7 & 6.2 & 6.0 & 6.2 & 6.03 \\ 50 & 40 & 27 & 20 & 10 & 5.94 \end{array} \end{array}$$

$$\begin{array}{r} 4593 \\ \hline \begin{array}{cccc} 5.9 & 6.1 & 6.1 & 6.4 & 6.11 \\ 50 & 46 & 25 & 17 & 10 & 5.99 \end{array} \end{array}$$

| Sta    | +    | $\pi$    | -    | Elev.    |
|--------|------|----------|------|----------|
|        |      | 952.33   |      |          |
| 3 + 60 |      |          | 6.00 | 46.33    |
| T.P.   | 5.66 | 951.30 ✓ | 6.69 | 945.64 ✓ |
| 4 + 13 |      |          | 5.11 | 46.19    |
| + 58   |      |          | 5.34 | 45.96    |
| + 61   |      |          | 5.33 | 45.97    |
| + 74   |      |          | 5.36 | 45.94    |
| + 78   |      |          | 5.36 | 45.94    |
| 5 + 50 |      |          | 5.61 | 45.69    |
| 6      |      |          | 5.71 | 45.59    |
| + 29   |      |          |      | 45.44    |



£

44.53

F.L.

$\frac{5.9}{50}$   $\frac{6.1}{48}$   $\frac{7.8}{43}$   $\left(\frac{7.8}{35}\right)$   $\frac{7.6}{27}$   $\frac{6.5}{23}$   $\frac{6.12}{10}$  6.00

44.0

$\frac{6.9}{50}$   $\frac{7.2}{45}$   $\frac{7.3}{41}$   $\frac{7.3}{28}$   $\frac{6.0}{24}$   $\frac{5.19}{10}$  5.11

44.0  
F.L.

$\frac{6.1}{50}$   $\frac{7.3}{44}$   $\left(\frac{7.3}{35}\right)$   $\frac{6.8}{29}$   $\frac{5.3}{23}$   $\frac{5.42}{10}$  5.34

45.20

$\frac{6.1}{50}$   $\frac{5.5}{36}$   $\frac{5.1}{21}$   $\frac{5.3}{18}$   $\frac{5.43}{10}$  5.33

45.30

$\frac{6.0}{50}$   $\frac{5.8}{42}$   $\frac{5.4}{22}$   $\frac{5.47}{10}$  5.36

43.90  
F.L.

$\frac{6.2}{50}$   $\frac{6.6}{46}$   $\frac{7.4}{41}$   $\left(\frac{7.4}{35}\right)$   $\frac{6.9}{27}$   $\frac{5.4}{22}$   $\frac{5.48}{10}$  5.36

43.80

$\frac{6.4}{50}$   $\frac{7.4}{46}$   $\frac{7.5}{35}$   $\frac{7.4}{27}$   $\frac{6.2}{21}$   $\frac{5.63}{10}$  5.61

43.60

$\frac{6.6}{50}$   $\frac{7.2}{47}$   $\frac{7.7}{35}$   $\frac{7.5}{27}$   $\frac{6.2}{22}$   $\frac{5.78}{10}$  5.71

43.9

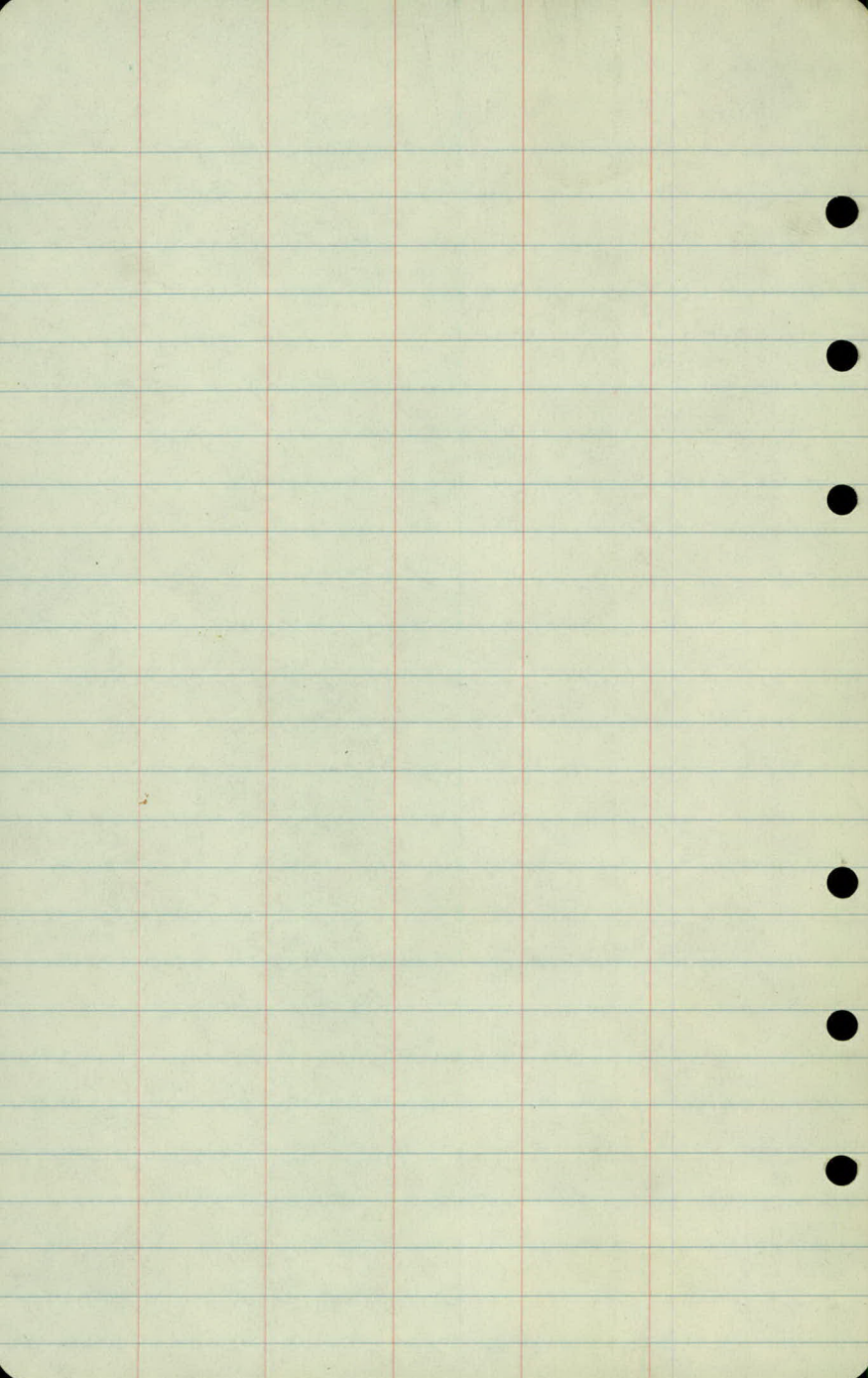
F.L. Hamline Culv.

$\frac{6.6}{50}$   $\frac{7.2}{44}$   $\left(\frac{8.3}{36}\right)$   $\frac{5.7}{30}$   $\frac{6.0}{24}$   $\frac{5.91}{10}$  5.86

40.40

F.L.

$\left(\frac{10.9}{10.9}\right)$  E. of Hamline Ave.



Slope Stakes

Albert Ave.



| Sta  | +    | $\Sigma$ | - | Grade  |
|------|------|----------|---|--------|
| B.M. | 4.57 | 957.69   |   | 953.12 |

|     |  |  |  |      |
|-----|--|--|--|------|
| +30 |  |  |  | 49.9 |
|-----|--|--|--|------|

|     |  |  |  |      |
|-----|--|--|--|------|
| +60 |  |  |  | 50.1 |
|-----|--|--|--|------|

|  |  |  |  |      |
|--|--|--|--|------|
|  |  |  |  | 50.4 |
|--|--|--|--|------|

|     |  |  |  |      |
|-----|--|--|--|------|
| +55 |  |  |  | 50.9 |
|-----|--|--|--|------|

|     |  |  |  |      |
|-----|--|--|--|------|
| +73 |  |  |  | 51.0 |
|-----|--|--|--|------|

|  |  |  |  |      |
|--|--|--|--|------|
|  |  |  |  | 51.2 |
|--|--|--|--|------|

|     |  |  |  |      |
|-----|--|--|--|------|
| +50 |  |  |  | 51.6 |
|-----|--|--|--|------|

|     |  |  |  |      |
|-----|--|--|--|------|
| +99 |  |  |  | 52.0 |
|-----|--|--|--|------|

|      |      |        |      |        |
|------|------|--------|------|--------|
| T.P. | 1.39 | 956.19 | 2.89 | 954.80 |
|------|------|--------|------|--------|

|   |     |  |  |      |
|---|-----|--|--|------|
| 3 | +59 |  |  | 52.0 |
|---|-----|--|--|------|

|  |  |  |  |      |
|--|--|--|--|------|
|  |  |  |  | 51.5 |
|--|--|--|--|------|

|     |  |  |  |      |
|-----|--|--|--|------|
| +50 |  |  |  | 51.0 |
|-----|--|--|--|------|

Gr. Rod. Lt. R Rt.

Top Hyd. S.W. Cor. Albert & Hoyt.

7.8  $\frac{72}{+9.6}$

7.6  $\frac{61}{+1.5}$

7.3  $\frac{60}{+1.3}$

6.8  $\frac{48}{+1.9}$

6.7

6.5  $\frac{55}{+1.0}$

6.1  $\frac{55}{+0.6}$

5.7  $\frac{52}{+0.5}$

5.2  $\frac{41}{+0.1}$

+1.0

4.7  $\frac{39}{+0.8}$

+1.0

5.2  $\frac{43}{+0.7}$

+1.0

| Sta | + | $\Sigma$ | - | Grade |
|-----|---|----------|---|-------|
|     |   | 956.19   |   |       |

|   |     |  |  |      |
|---|-----|--|--|------|
| 1 | +85 |  |  | 50.6 |
|---|-----|--|--|------|

|   |     |  |  |      |
|---|-----|--|--|------|
| 5 | +03 |  |  | 50.4 |
|---|-----|--|--|------|

|  |     |  |  |      |
|--|-----|--|--|------|
|  | +50 |  |  | 49.9 |
|--|-----|--|--|------|

|   |  |  |  |      |
|---|--|--|--|------|
| 6 |  |  |  | 49.3 |
|---|--|--|--|------|

|  |        |  |  |      |
|--|--------|--|--|------|
|  | +28.75 |  |  | 49.0 |
|--|--------|--|--|------|

|     |     |        |      |        |
|-----|-----|--------|------|--------|
| T.P | 486 | 953.83 | 7.22 | 948.97 |
|-----|-----|--------|------|--------|

|  |        |  |  |      |
|--|--------|--|--|------|
|  | +48.75 |  |  | 49.0 |
|--|--------|--|--|------|

|   |     |  |  |      |
|---|-----|--|--|------|
| 7 | +50 |  |  | 48.2 |
|---|-----|--|--|------|

|   |     |  |  |      |
|---|-----|--|--|------|
| 8 | +09 |  |  | 47.4 |
|---|-----|--|--|------|

|  |     |  |  |      |
|--|-----|--|--|------|
|  | +27 |  |  | 47.1 |
|--|-----|--|--|------|

|  |     |  |  |      |
|--|-----|--|--|------|
|  | +60 |  |  | 46.7 |
|--|-----|--|--|------|

|   |  |  |  |      |
|---|--|--|--|------|
| 9 |  |  |  | 46.2 |
|---|--|--|--|------|



Gr. Rod.

Lt.

R.

Rt.

$$5.6 \quad +1.0 \quad \begin{array}{r} 47 \\ 109 \end{array}$$

$$5.8 \quad +1.0 \quad \begin{array}{r} 47 \\ 111 \end{array}$$

$$6.3 \quad +1.0 \quad \begin{array}{r} 53 \\ 110 \end{array}$$

$$6.7 \quad \begin{array}{r} 57 \\ 110 \end{array}$$

$$7.2 \quad \begin{array}{r} 64 \\ 108 \end{array}$$

$$7.83 \quad \begin{array}{r} 45 \\ 103 \end{array}$$

$$5.63 \quad +1.0 \quad \begin{array}{r} 50 \\ 106 \end{array}$$

$$6.43 \quad +1.0 \quad \begin{array}{r} 58 \\ 106 \end{array}$$

$$7.13 \quad \begin{array}{r} 68 \\ 103 \end{array}$$

$$7.63 \quad \begin{array}{r} 72 \\ 104 \end{array}$$



| Sta. | +      | T      | -      | Grade  |
|------|--------|--------|--------|--------|
|      |        | 953.83 |        |        |
| 9    | +48.75 |        |        | 45.5   |
| 10   | +08.57 |        |        | 45.5   |
| T.P. | 4.35   | 950.32 | 7.86   | 945.97 |
|      | +60    |        |        | 45.8   |
| 11   |        |        |        | 46.0   |
|      | +29    |        |        | 46.1   |
|      | +47    |        |        | 46.2   |
| 12   |        |        |        | 46.3   |
|      | +68.04 |        |        | 46.87  |
|      | +72    |        |        | 46.9   |
|      | +92    |        |        | 47.0   |
| B.M. |        | 103    | 949.29 | 949.30 |

Gr. Rod.

Lt

R

Rt

8.33

+1.0

$$\begin{array}{r} 76 \\ -07 \\ \hline \end{array}$$

8.23

$$\begin{array}{r} 79 \\ 104 \\ \hline \end{array}$$

4.32

$$\begin{array}{r} 45 \\ 09 \\ \hline \end{array}$$

4.32

$$\begin{array}{r} 45 \\ -02 \\ \hline \end{array}$$

4.12

$$\begin{array}{r} 47 \\ -06 \\ \hline \end{array}$$

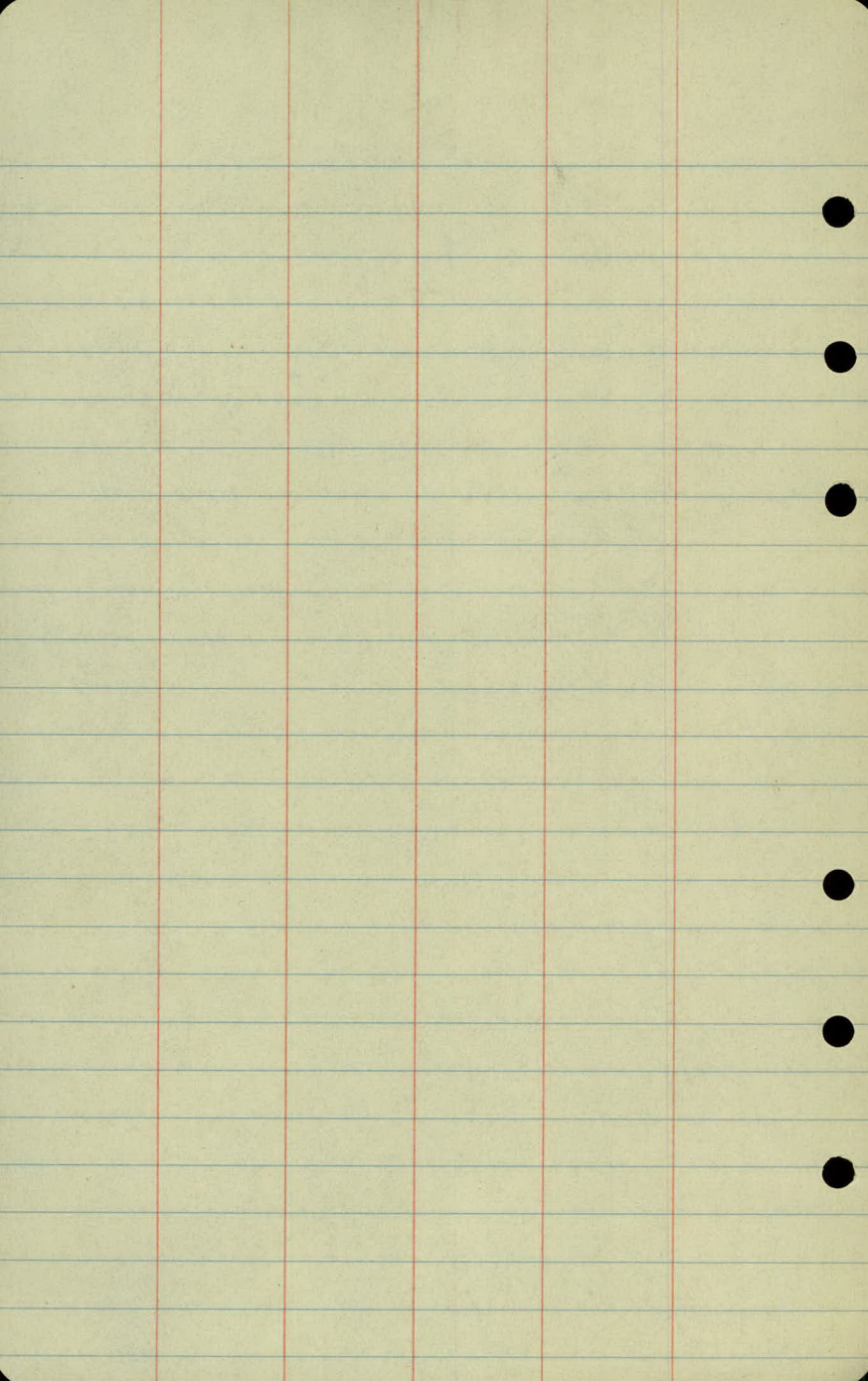
3.82

$$\begin{array}{r} 49 \\ -11 \\ \hline \end{array}$$

3.45

$$\begin{array}{r} 44 \\ -10 \\ \hline \end{array}$$

Top Hyd. N.E. Cor. Albert + Lora



1  
Albert Ave  
Slape Stikos  
N. of Larpentou



B.M. 4.88

3400

150

4

150

5

143

6

150

7

I.R. 4.91

1.92

150

8

Top of Hyd. N.E. Can. Logs & Albert.

£

$$8.8 \quad 297 / \frac{101}{12.01}$$

$$7.9 \quad 215 / \frac{8.8}{12.95}$$

$$7.3 \quad 229 / \frac{7.6}{12.12} \quad 18.0 / \frac{8.0}{12.00} \quad \frac{7.0}{12.00}$$

$$5.9 \quad 229 / \frac{6.2}{12.12} \quad 18.0 / \frac{6.6}{12.00} \quad \frac{5.6}{12.00}$$

$$4.7 \quad 227 / \frac{5.1}{12.11} \quad 19.2 / \frac{5.1}{12.09} \quad \frac{4.5}{12.09}$$

$$3.8 \quad 215 / \frac{4.7}{12.05} \quad 18.0 / \frac{4.6}{12.00} \quad \frac{3.6}{12.00}$$

$$2.9 \quad 231 / \frac{3.1}{12.13} \quad 20.1 / \frac{3.0}{12.07} \quad \frac{2.7}{12.07}$$

$$2.4 \quad 233 / \frac{2.5}{12.14} \quad 19.8 / \frac{5.6}{12.06} \quad \frac{5.2}{12.06}$$

$$2.1 \quad 245 / \frac{1.6}{12.5} \quad 22.2 / \frac{4.5}{12.14} \quad \frac{4.7}{12.14}$$

$$4.9 \quad 245 / \frac{4.5}{12.9} \quad 25.6 / \frac{4.5}{12.12} \quad \frac{4.7}{12.12}$$

$$4.7 \quad 25.3 / \frac{4.0}{12.9} \quad 18.0 / \frac{5.8}{12.00} \quad \frac{4.7}{12.00}$$

8 150

9

141

T.P.

388



$$49 \quad 22.1 / \frac{6.6}{22.1}$$

$$180 / \frac{56}{180} \quad 47$$

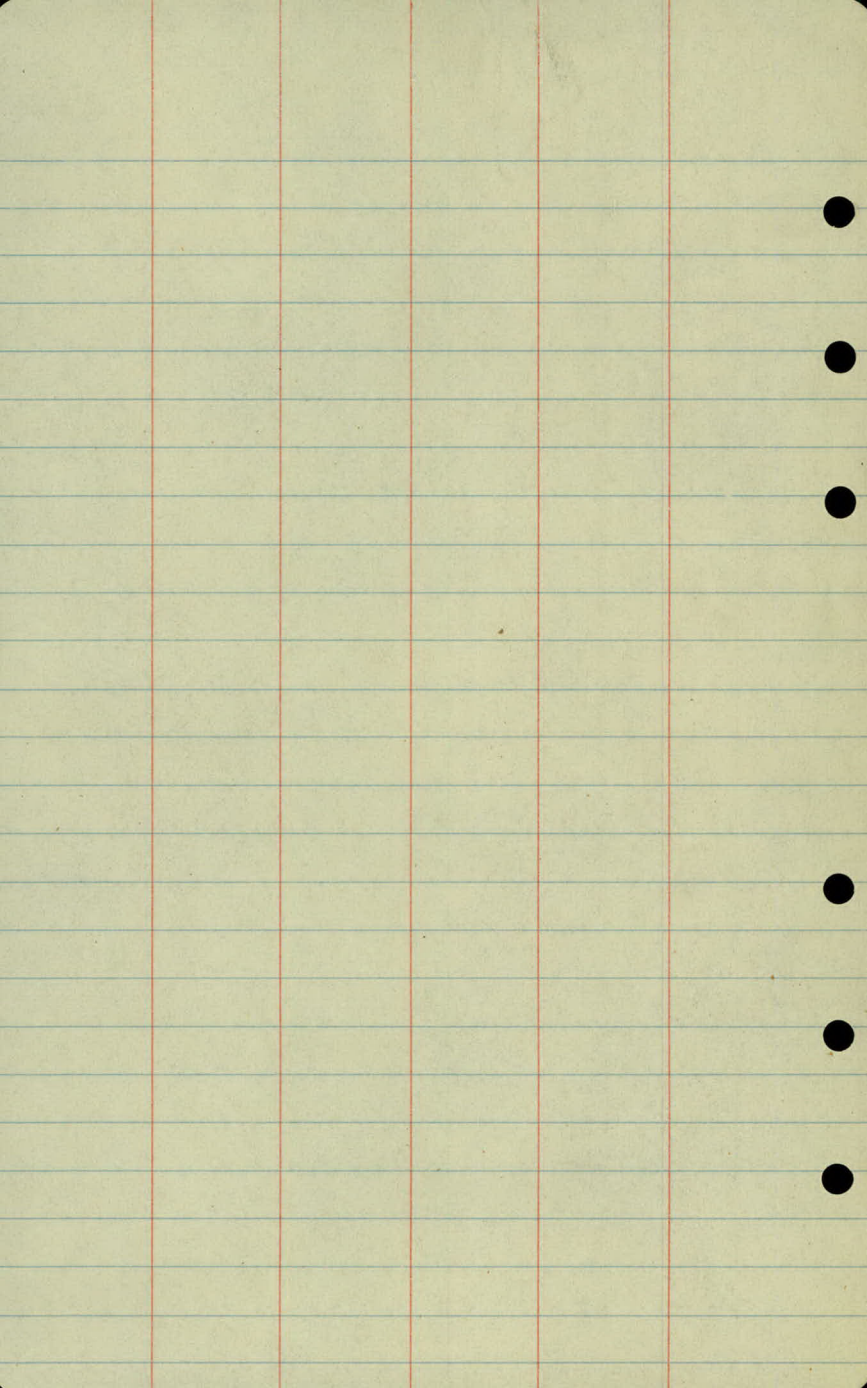
$$50 \quad 22.1 / \frac{6.8}{22.1}$$

$$180 / \frac{57}{180} \quad 49$$

$$56 \quad 20.5 / \frac{7.1}{20.5}$$

N.E. Gas Conc. Est.





Ditch N. side Larpenleur

Between Albert & Hambric

Blue tops

| Sta   | +    | $\pi$  | - | Elev.  |
|-------|------|--------|---|--------|
| B.M.  | 2.16 | 951.46 |   | 949.30 |
| 0+25  |      |        |   | 44.75  |
| 0+30  |      |        |   | 44.75  |
|       |      |        |   |        |
| +50   |      |        |   | 44.71  |
|       |      |        |   |        |
| 1     |      |        |   | 44.61  |
|       |      |        |   |        |
| +50   |      |        |   | 44.51  |
|       |      |        |   |        |
| +75   |      |        |   | 44.46  |
|       |      |        |   |        |
| 2 +35 |      |        |   | 44.34  |
|       |      |        |   |        |
| +50   |      |        |   | 44.31  |
|       |      |        |   |        |
| +78   |      |        |   | 44.25  |
|       |      |        |   |        |
| 3 +00 |      |        |   | 44.21  |
|       |      |        |   |        |
| -38   |      |        |   | 44.13  |
|       |      |        |   |        |
| +41   |      |        |   | 44.03  |
|       |      |        |   |        |
| +61   |      |        |   | 43.99  |

0.2% Grade

G. R.

1

6.71 ✓

6.75 ✓

6.85 ✓

6.95 ✓

7.00 ✓

7.12 ✓

7.15 ✓

7.21 ✓

7.25 ✓

7.43 ✓

7.47 ✓



| Sta | + | $\pi$ | - | Elev |
|-----|---|-------|---|------|
|-----|---|-------|---|------|

951.46

4

44.01

+50

43.91

+61

43.89

+81

43.85

5

43.81

+50

43.7

6

43.25

+29

43.0

↑  
0.89%  
Grade  
↓

7.45✓

7.55✓

7.57✓

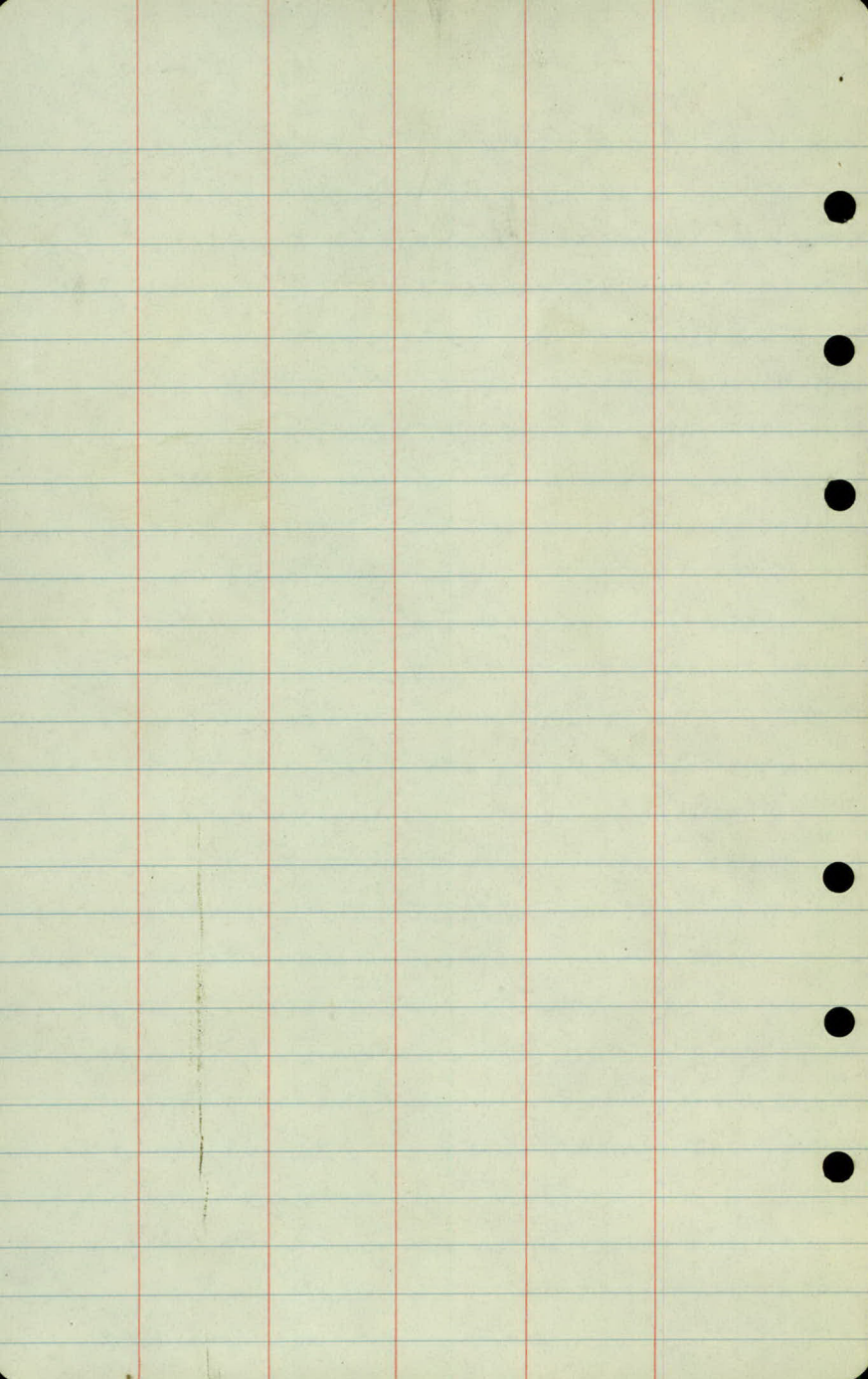
7.61✓

7.65✓

7.76✓

8.21✓

8.46✓



6/15/39

R.O.P.

Albert St.

Larpentour Av to Garden

Slope Stakes.



| Sta  | I    | II               | -    | Elev.                    |
|------|------|------------------|------|--------------------------|
| B.M. | 0.63 | 951.52<br>949.93 |      | 949.30                   |
| 0+40 |      |                  |      | 46.4                     |
| +50  |      |                  |      | 46.1 5.42 5.17           |
| 1    |      |                  |      | 45.6 5.92 5.67           |
| +50  |      |                  |      | 45.7 5.82 5.57           |
| 2    |      |                  |      | 45.8 5.72 5.47           |
| +50  | 5.86 | 951.73           | 5.65 | 948.87<br>45.9 5.62 5.37 |
| 3    |      |                  |      | 46.0 5.73 5.48           |
| +50  |      |                  |      | 46.1 5.63 5.38           |
| 4    |      |                  |      | 46.4 5.33 5.08           |
| +50  |      |                  |      | 46.9 4.83 4.58           |
| 5    |      |                  |      | 47.6                     |
| T.P. | 9.35 | 957.48           | 1.80 | 948.13                   |
| +50  |      |                  |      | 48.5                     |

G. R.

Top Hyd N. E. Cor. Larp & Albert

|     |                         |                    |                          |
|-----|-------------------------|--------------------|--------------------------|
| 3.5 | $\frac{47}{F1.2}$<br>30 | $\frac{3.6}{F0.1}$ | $\frac{4.9}{F1.4}$<br>30 |
|-----|-------------------------|--------------------|--------------------------|

|     |                         |                    |                    |
|-----|-------------------------|--------------------|--------------------|
| 3.8 | $\frac{49}{F1.1}$<br>30 | $\frac{3.8}{F0.0}$ | $\frac{4.0}{F0.2}$ |
|-----|-------------------------|--------------------|--------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 4.3 | $\frac{6.8}{F2.5}$<br>30 | $\frac{5.1}{F0.8}$ | $\frac{4.1}{C0.2}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 4.2 | $\frac{7.2}{F3.1}$<br>30 | $\frac{5.3}{F1.1}$ | $\frac{4.1}{C0.1}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 4.1 | $\frac{7.2}{F3.1}$<br>30 | $\frac{5.5}{F1.2}$ | $\frac{5.7}{F1.6}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 4.0 | $\frac{7.1}{F3.1}$<br>30 | $\frac{5.0}{F1.0}$ | $\frac{4.1}{F0.1}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 3.9 | $\frac{7.9}{F4.0}$<br>30 | $\frac{4.8}{F0.9}$ | $\frac{3.9}{F0.0}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 3.8 | $\frac{7.1}{F3.3}$<br>30 | $\frac{4.4}{F0.6}$ | $\frac{3.6}{C0.2}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 3.5 | $\frac{5.0}{F1.5}$<br>30 | $\frac{3.5}{F0.0}$ | $\frac{3.4}{C0.1}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 3.0 | $\frac{3.7}{F0.7}$<br>30 | $\frac{2.7}{C0.3}$ | $\frac{2.6}{C0.4}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|     |                          |                    |                          |
|-----|--------------------------|--------------------|--------------------------|
| 2.3 | $\frac{2.1}{C0.2}$<br>30 | $\frac{1.8}{C0.5}$ | $\frac{1.9}{C0.4}$<br>30 |
|-----|--------------------------|--------------------|--------------------------|

|    |                          |                    |                          |
|----|--------------------------|--------------------|--------------------------|
| 90 | $\frac{8.3}{C0.7}$<br>30 | $\frac{8.2}{C0.8}$ | $\frac{8.6}{C0.4}$<br>30 |
|----|--------------------------|--------------------|--------------------------|

| Sta  | +    | $\pi$               | -    | Elev.            |
|------|------|---------------------|------|------------------|
|      |      | 957.48 <sup>5</sup> |      |                  |
| 6    |      |                     |      | 49.4             |
| +50  |      |                     |      | 50.3             |
| 7    |      |                     |      | 50.9             |
| +50  |      |                     |      | 51.4             |
| 8    |      |                     |      | 51.6             |
| +50  |      |                     |      | 51.8             |
| 9    |      |                     |      | 52.0             |
| +50  |      |                     |      | 51.9             |
| 10   |      |                     |      | 51.6             |
| T.P. | 1.72 | 954.82              | 4.38 | 953.10           |
| +50  |      |                     |      | 51.0             |
|      | 4.37 | 955.77              |      |                  |
| 11   |      |                     |      | 50.4             |
|      |      |                     |      | ✓✓ 5.37 5.12 ✓✓  |
| +50  |      |                     |      | 49.8             |
|      |      |                     |      | ✓✓✓ 5.97 5.72 ✓✓ |

C7 R

$$\begin{array}{r} 8.1 \\ \underline{6.5} \\ C1.6 \\ 30 \end{array}$$

$$\begin{array}{r} 7.2 \\ \underline{7.2} \\ C0.9 \end{array}$$

$$\begin{array}{r} 7.1 \\ \underline{7.1} \\ C1.0 \\ 30 \end{array}$$

$$\begin{array}{r} 7.2 \\ \underline{6.3} \\ C0.9 \\ 30 \end{array}$$

$$\begin{array}{r} 6.1 \\ \underline{6.1} \\ C1.1 \end{array}$$

$$\begin{array}{r} 6.0 \\ \underline{6.0} \\ C1.2 \\ 30 \end{array}$$

$$\begin{array}{r} 6.6 \\ \underline{4.8} \\ C1.8 \\ 30 \end{array}$$

$$\begin{array}{r} 5.2 \\ \underline{5.2} \\ C1.4 \end{array}$$

$$\begin{array}{r} 4.8 \\ \underline{4.8} \\ C1.8 \\ 30 \end{array}$$

$$\begin{array}{r} 6.1 \\ \underline{4.9} \\ C1.2 \\ 30 \end{array}$$

$$\begin{array}{r} 4.7 \\ \underline{4.7} \\ C1.4 \end{array}$$

$$\begin{array}{r} 4.4 \\ \underline{4.4} \\ C1.7 \\ 30 \end{array}$$

$$\begin{array}{r} 5.9 \\ \underline{3.8} \\ C2.1 \\ 30 \end{array}$$

$$\begin{array}{r} 4.3 \\ \underline{4.3} \\ C1.6 \end{array}$$

$$\begin{array}{r} 4.3 \\ \underline{4.3} \\ C1.6 \\ 30 \end{array}$$

$$\begin{array}{r} 5.7 \\ \underline{3.6} \\ C2.1 \\ 30 \end{array}$$

$$\begin{array}{r} 4.2 \\ \underline{4.2} \\ C1.5 \end{array}$$

$$\begin{array}{r} 4.8 \\ \underline{4.8} \\ C0.9 \\ 30 \end{array}$$

$$\begin{array}{r} 5.5 \\ \underline{2.9} \\ C2.6 \\ 30 \end{array}$$

$$\begin{array}{r} 4.1 \\ \underline{4.1} \\ C1.4 \end{array}$$

$$\begin{array}{r} 5.3 \\ \underline{5.3} \\ C0.2 \\ 30 \end{array}$$

$$\begin{array}{r} 5.6 \\ \underline{2.1} \\ C3.5 \\ 30 \end{array}$$

$$\begin{array}{r} 4.2 \\ \underline{4.2} \\ C1.4 \end{array}$$

$$\begin{array}{r} 4.7 \\ \underline{4.7} \\ C0.9 \\ 30 \end{array}$$

$$\begin{array}{r} 5.9 \\ \underline{3.4} \\ C2.5 \\ 30 \end{array}$$

$$\begin{array}{r} 4.3 \\ \underline{4.3} \\ C1.6 \end{array}$$

$$\begin{array}{r} 4.4 \\ \underline{4.4} \\ C1.5 \\ 30 \end{array}$$

$$\begin{array}{r} 3.8 \\ \underline{2.8} \\ C1.0 \\ 30 \end{array}$$

$$\begin{array}{r} 2.3 \\ \underline{2.3} \\ C1.5 \end{array}$$

$$\begin{array}{r} 1.3 \\ \underline{1.3} \\ C2.5 \\ 30 \end{array}$$

$$\begin{array}{r} 4.4 \\ \underline{4.9} \\ F0.5 \\ 30 \end{array}$$

$$\begin{array}{r} 3.6 \\ \underline{3.6} \\ C0.8 \end{array}$$

$$\begin{array}{r} 4.4 \\ \underline{4.4} \\ C0.0 \\ 30 \end{array}$$

$$\begin{array}{r} 5.0 \\ \underline{5.2} \\ F0.2 \\ 30 \end{array}$$

$$\begin{array}{r} 4.9 \\ \underline{4.9} \\ C0.1 \end{array}$$

$$\begin{array}{r} 6.6 \\ \underline{6.6} \\ F1.4 \\ 30 \end{array}$$



| Sta             | L | $\pi$  | - | Elev.  |           |
|-----------------|---|--------|---|--------|-----------|
|                 |   | 954.82 |   |        |           |
| 12              |   | 955.77 |   | 49.2   | 6.57 6.32 |
| +50             |   |        |   | 48.6   | 7.17 6.92 |
| +94             |   |        |   | 48.1   | 7.67 7.42 |
| 13              |   |        |   | 48.0   |           |
| +05             |   |        |   | 47.9   |           |
| BM <sub>1</sub> |   | 3.34   |   | 951.48 | 951.48    |

G. R.

$$\begin{array}{r} 5.6 \\ \hline 5.3 \\ \hline 30 \\ \hline \end{array} \quad \begin{array}{r} 5.6 \\ \hline 5.0 \\ \hline 30 \\ \hline \end{array} \quad \begin{array}{r} 7.3 \\ \hline 7.1 \\ \hline 30 \\ \hline \end{array}$$

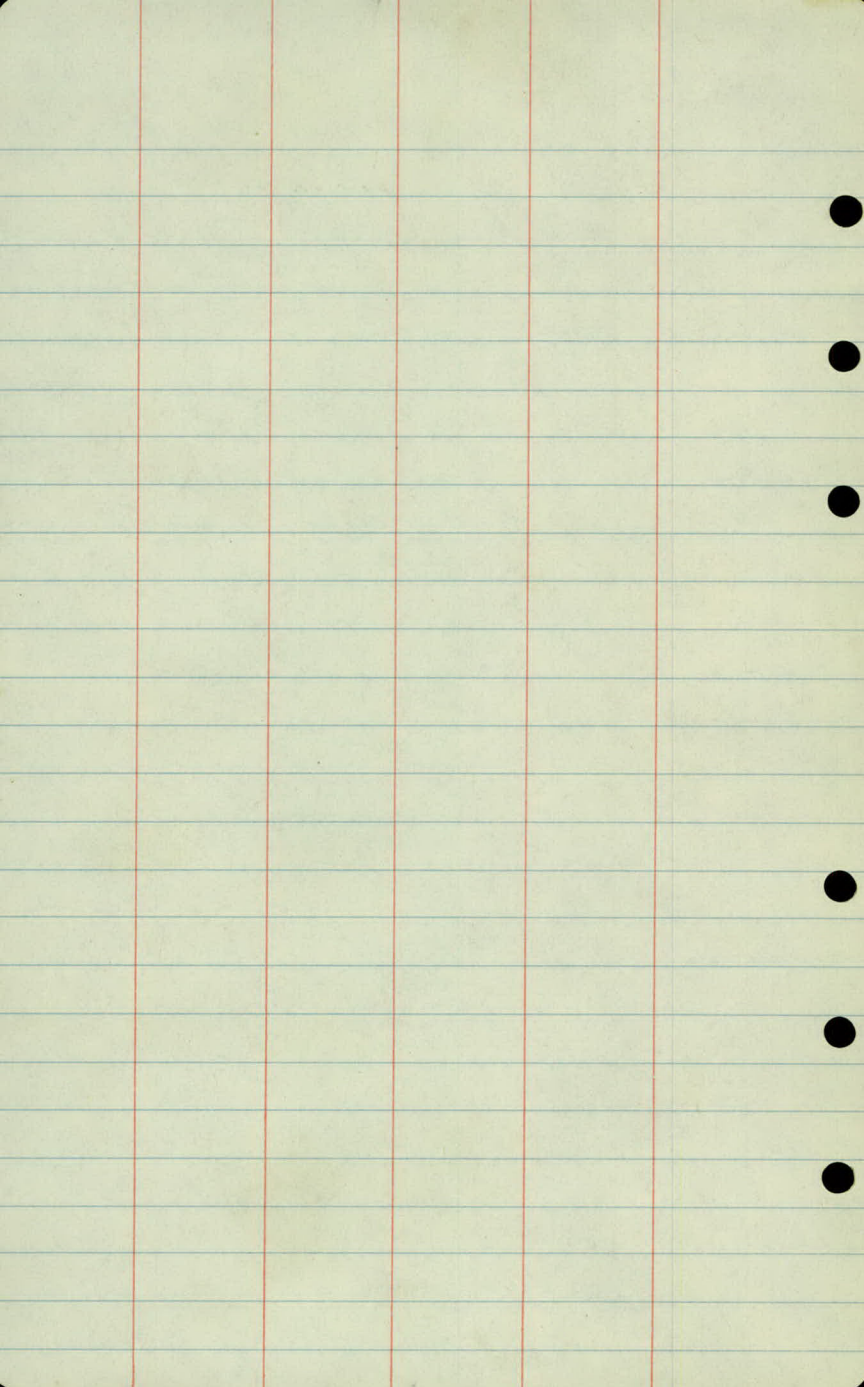
$$\begin{array}{r} 6.2 \\ \hline 5.5 \\ \hline 30 \\ \hline \end{array} \quad \begin{array}{r} 5.9 \\ \hline 5.3 \\ \hline 30 \\ \hline \end{array} \quad \begin{array}{r} 7.7 \\ \hline 7.1 \\ \hline 30 \\ \hline \end{array}$$

$$\begin{array}{r} 6.7 \\ \hline 5.4 \\ \hline 30 \\ \hline \end{array} \quad \begin{array}{r} 6.6 \\ \hline 6.0 \\ \hline 30 \\ \hline \end{array} \quad \begin{array}{r} 6.9 \\ \hline 6.2 \\ \hline 30 \\ \hline \end{array}$$

6.8

Top 6.9

Top Hyd S.W. Cor. Albert and Garden.



Albert St  
Blue Tops



|       |      |        |        |
|-------|------|--------|--------|
| B. M. | 1.42 | 950.72 | 949.30 |
|-------|------|--------|--------|

|      |  |  |      |
|------|--|--|------|
| 0.40 |  |  | 46.4 |
|------|--|--|------|

|     |  |  |      |
|-----|--|--|------|
| +50 |  |  | 46.1 |
|-----|--|--|------|

|   |  |  |      |
|---|--|--|------|
| 1 |  |  | 45.6 |
|---|--|--|------|

|     |  |  |      |
|-----|--|--|------|
| +50 |  |  | 45.7 |
|-----|--|--|------|

|   |  |  |      |
|---|--|--|------|
| 2 |  |  | 45.8 |
|---|--|--|------|

|     |  |  |      |
|-----|--|--|------|
| +50 |  |  | 45.9 |
|-----|--|--|------|

|   |  |  |      |
|---|--|--|------|
| 3 |  |  | 46.0 |
|---|--|--|------|

|     |  |  |      |
|-----|--|--|------|
| +50 |  |  | 46.1 |
|-----|--|--|------|

|       |      |        |             |
|-------|------|--------|-------------|
| T. P. | 7.22 | 953.32 | 46.2 946.10 |
|-------|------|--------|-------------|

|   |  |  |      |
|---|--|--|------|
| 4 |  |  | 46.4 |
|---|--|--|------|

|     |  |  |      |
|-----|--|--|------|
| +50 |  |  | 46.9 |
|-----|--|--|------|

|   |  |  |      |
|---|--|--|------|
| 5 |  |  | 47.6 |
|---|--|--|------|

|     |  |  |      |
|-----|--|--|------|
| +50 |  |  | 48.5 |
|-----|--|--|------|

4.6

$$\frac{4.35}{28}$$

$$\frac{4.6}{17}$$

$$\frac{4.6}{17}$$

$$\frac{4.35}{28}$$

5.1

$$\frac{4.85}{28}$$

$$\frac{5.1}{17}$$

5.1

$$\frac{5.1}{17}$$

$$\frac{4.9}{28}$$

5.0

$$\frac{4.75}{28}$$

$$\frac{5.0}{17}$$

$$\frac{5.0}{17}$$

$$\frac{5.0}{17}$$

$$\frac{4.8}{28}$$

4.9

$$\frac{4.65}{28}$$

$$\frac{4.9}{17}$$

$$\frac{4.9}{17}$$

$$\frac{4.9}{17}$$

$$\frac{4.65}{28}$$

4.8

$$\frac{4.55}{28}$$

$$\frac{4.8}{17}$$

$$\frac{4.8}{17}$$

$$\frac{4.8}{17}$$

$$\frac{4.55}{28}$$

4.7

$$\frac{4.45}{28}$$

$$\frac{4.7}{17}$$

$$\frac{4.7}{17}$$

$$\frac{4.7}{17}$$

$$\frac{4.45}{28}$$

4.6

$$\frac{4.35}{28}$$

$$\frac{4.6}{17}$$

$$\frac{4.6}{17}$$

$$\frac{4.6}{17}$$

$$\frac{4.35}{28}$$

6.9

$$\frac{6.65}{28}$$

$$\frac{6.9}{17}$$

$$\frac{6.9}{17}$$

$$\frac{6.9}{17}$$

$$\frac{6.65}{28}$$

6.4

$$\frac{6.15}{28}$$

$$\frac{6.4}{17}$$

$$\frac{6.4}{17}$$

$$\frac{6.4}{17}$$

6.0 Sidewalk

5.7

$$\frac{5.45}{28}$$

$$\frac{5.7}{17}$$

$$\frac{5.7}{17}$$

$$\frac{5.7}{17}$$

$$\frac{5.45}{28}$$

4.8

$$\frac{4.55}{28}$$

$$\frac{4.8}{17}$$

$$\frac{4.8}{17}$$

$$\frac{4.8}{17}$$

$$\frac{4.55}{28}$$

953.32

6

49.4

+50

50.3

T.P.

5.53

955.<sup>9</sup>89

2.16

950.36

7

50.9

+50

51.4

8

51.6

+50

51.8

9

52.0

+50

51.9

10

51.6

T.P.

3.70

955.<sup>3</sup>28

4.31

951.58

+50

51.0

11

50.4

+50

49.8

$$3.9 \quad \frac{3.65}{28} \quad \frac{3.9}{17} \quad 3.9 \quad \frac{3.9}{17} \quad \frac{3.65}{28}$$

$$3.0 \quad \frac{2.75}{28} \quad \frac{3.0}{17} \quad 3.0 \quad \frac{3.0}{17} \quad \frac{2.75}{28}$$

$$5.0 \quad \frac{4.75}{28} \quad \frac{5.0}{17} \quad 5.0 \quad \frac{5.0}{17} \quad \frac{4.75}{28}$$

$$4.5 \quad \frac{4.25}{28} \quad \frac{4.5}{17} \quad 4.5 \quad \frac{4.5}{17} \quad \frac{4.25}{28}$$

$$4.3 \quad \frac{4.05}{28} \quad \frac{4.3}{17} \quad 4.3 \quad \frac{4.3}{17} \quad \frac{4.05}{28}$$

$$4.1 \quad \frac{3.85}{28} \quad \frac{4.1}{17} \quad 4.1 \quad \frac{4.1}{17} \quad \frac{3.85}{28}$$

$$3.9 \quad \frac{3.65}{28} \quad \frac{3.9}{17} \quad 2.9 \quad \frac{3.9}{17} \quad \frac{3.65}{28}$$

$$4.0 \quad \frac{3.75}{28} \quad \frac{4.0}{17} \quad 4.0 \quad \frac{4.0}{17} \quad \frac{3.75}{28}$$

$$4.3 \quad \frac{4.05}{28} \quad \frac{4.3}{17} \quad 4.3 \quad \frac{4.3}{17} \quad \frac{4.05}{28}$$

$$4.3 \quad \frac{4.05}{28} \quad \frac{4.3}{17} \quad 4.3 \quad \frac{4.3}{17} \quad \frac{4.05}{28}$$

$$4.9 \quad \frac{4.65}{28} \quad \frac{4.9}{17} \quad 4.9 \quad \frac{4.9}{17} \quad \frac{4.65}{28}$$

$$5.5 \quad \frac{5.25}{28} \quad \frac{5.5}{17} \quad 5.5 \quad \frac{5.5}{17} \quad \frac{5.25}{28}$$



155.28<sup>3</sup>

12

49.2

+50

48.6

+94

48.1

13

48.0

+05

47.9

B.M.

3.79

951.49

951.40

$$\begin{array}{r}
 6.1 \\
 5.85 \\
 \hline
 28
 \end{array}
 \quad
 \begin{array}{r}
 6.1 \\
 17 \\
 \hline
 6.1
 \end{array}
 \quad
 \begin{array}{r}
 6.1 \\
 17 \\
 \hline
 6.1
 \end{array}
 \quad
 \begin{array}{r}
 5.85 \\
 28 \\
 \hline
 5.85
 \end{array}$$

6.7

7.2

7.3

7.4

Top Hyd. S.W. Cor. Albert & Garden

