

OFFICE OF COUNTY ENGINEER  
RAMSEY COUNTY, MINN.

PLAN

Survey

SILVER LAKE ROAD

From Co. Rd. "D" To ~~LA FENNER DR.~~ T.H. 100  
Topography to T.H. 100

Road Acc't. No. \_\_\_\_\_

Date Filed 3-14-61

DR. 9  
File BK. 34

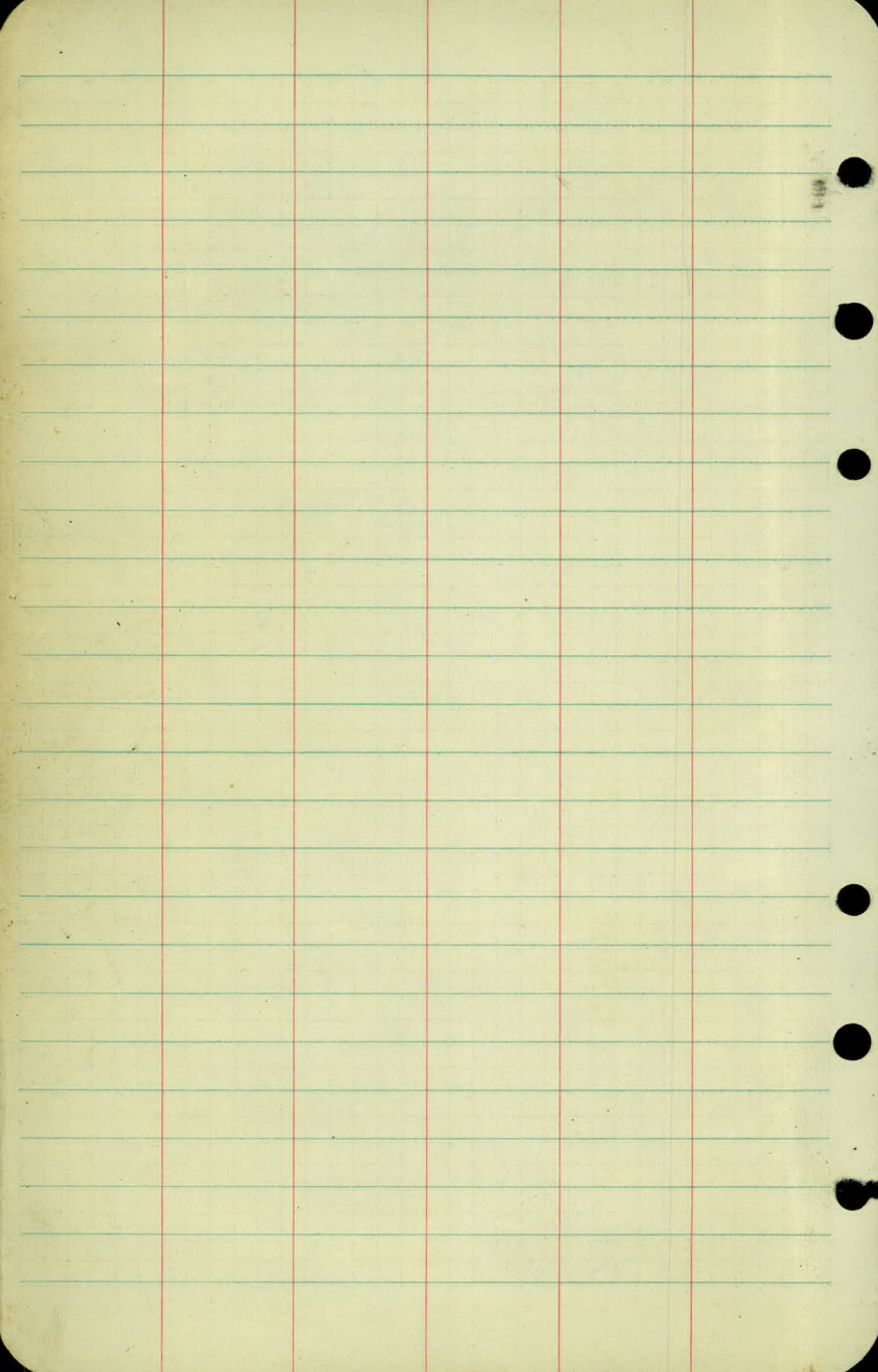
PLAN SURVEY

SILVER LAKE ROAD

CO. RD. "D" to Rice Creek Road

|            |           |
|------------|-----------|
| Alignment  | Pages 1-4 |
| Topography | " 5-27    |
| Bench      |           |





Alinement



| Sta | Point | $\Delta L$ | $\Delta R$ |
|-----|-------|------------|------------|
|-----|-------|------------|------------|

|          |      |  |       |
|----------|------|--|-------|
| 52+27.57 | P.I. |  | 1°01' |
|----------|------|--|-------|

|          |      |  |       |
|----------|------|--|-------|
| 26+13.88 | P.I. |  | 0°01' |
|----------|------|--|-------|

|      |  |           |  |
|------|--|-----------|--|
| 0+00 |  | + Co Rd D |  |
|------|--|-----------|--|

FK  
JS  
JL  
JH

March 21, 1960

3

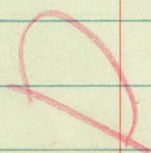
51.72 T Hyd  
45.63 PP  
Co Rd "E" PP 81.55

PP  
Pinched Iron in Conc  
PP Dist 73.89 46.41  
43.18 PP  
52.16 15"  
44.55 18"  
177.69  
HO

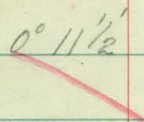
TP 43.10  
123.89 Station  
39.82 T Hyd

Sta Point  $\Delta L$   $\Delta R$

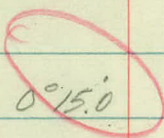
104+79.65



92+30.67 P.I.  $0^{\circ} 11\frac{1}{2}'$

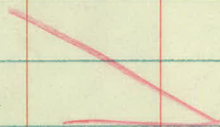


78+53.85



$0^{\circ} 15.0'$

60+41.92 P.O.T.



56+21.95 P.O.T.



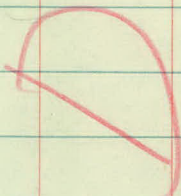
FK  
JS  
JL

March 22, 1960  
Clear Cold 11°

4

E 106.40

E STH#100?



T Hyd

Disk  
PPO

43.29

56.7A

Cemetery Road

spike

Cor. Fc. Post

45.30

Ch Sec 30 61.20

spike

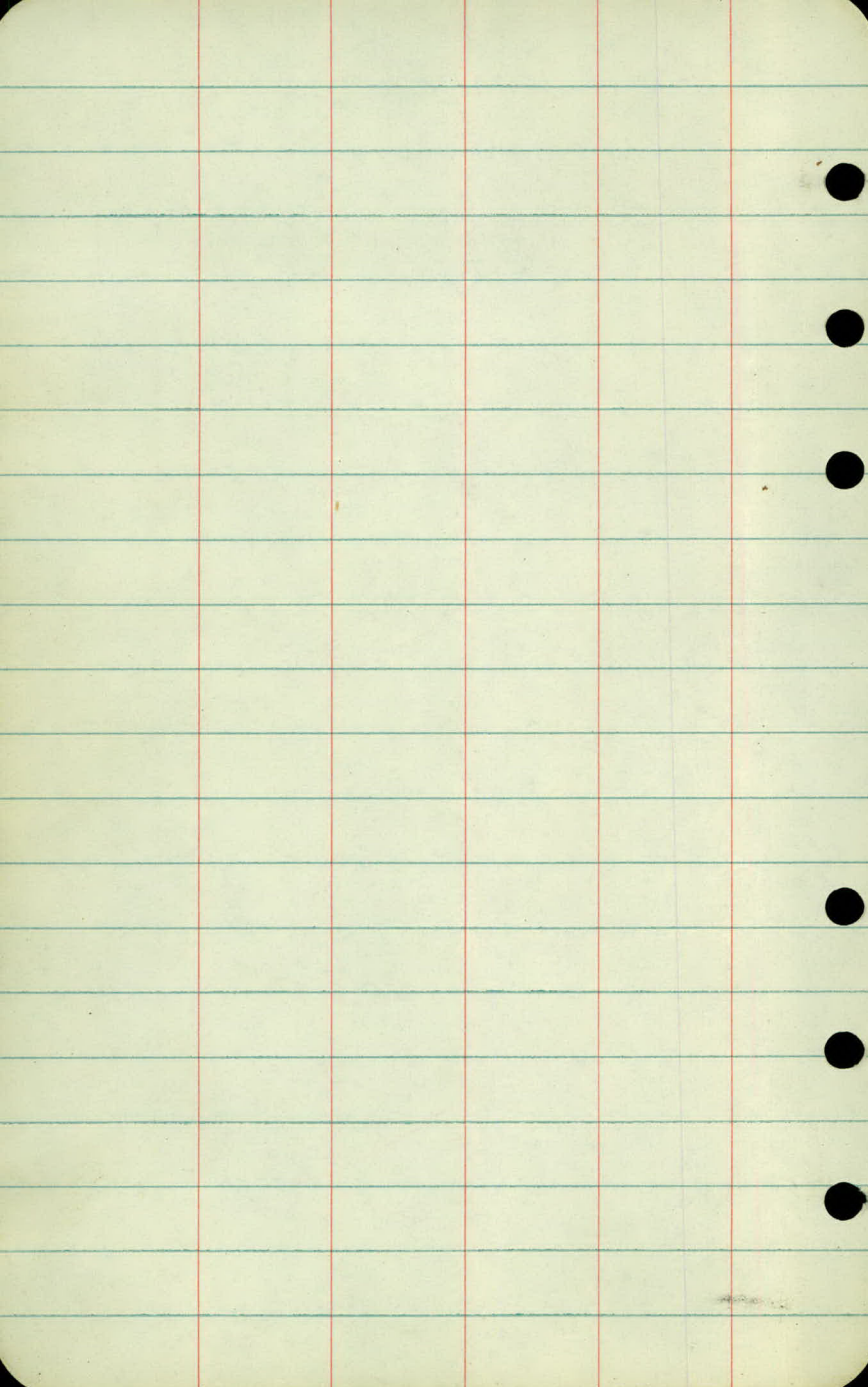
TCA MH#13

0 0

spike

sta sign

spike



Topography  
of  
Silver Lake Rd.  
from  
Co. Rd. "D" to STH #100

B66 3/25/60



5+00

12 12

+83 Begin Guard Rails  
16+83 Begin Guard Rails  
16+79 MHTCA 44"  
60+80 End Bridge  
15' LT & 15' RT+89 PP  
28+37 MH  
84+47 DITCH  
111 - WEST+79 RETAINING WALL  
56+18 N. END 24" SCP  
92

4+00

15 15

+73 SEND 24" SCP+66 End Guard Rails  
1615 15 Begin Bridge  
+68 & 15' LT & 15' RT+66 End Guard Rails  
16+52 PP  
28

3+00

13 12

+01 MH  
87+24 PP  
29

2+00

14 11

+39 Light P.  
50+61 Begin Guard Rail  
15+20 Cor Conc  
55+36 Begin Guard Rail  
16+26 33' ENT  
15' RT + 51

1+00

15 11

+02 PP  
30+07 Cor Conc  
68

sw cor Filling Station

+79 77+52 Pumps 3' wide +78 3' wide  
83-96.6 & 27 ent 50+42 ent Rad +52 RT + 44  
13 13+28 PP  
34+54 End Rad  
12+18 Begin Rad +16 W end Ent Conc  
29 61 +16 79

0+00

+10

-21 MH  
11-11 MH  
30.5+77 sw cor +95 nw cor  
conc slab conc slab+26 PP 33' 0+33 Light Pole 33'  
95 39+29 combo 517  
53

March 21, 1960

69

RG  
GP  
LT  
RB

Lt.

+

Rt.

DITCH

Bridge

N  
I  
I  
I

5'x18' Conc Slab

53.2

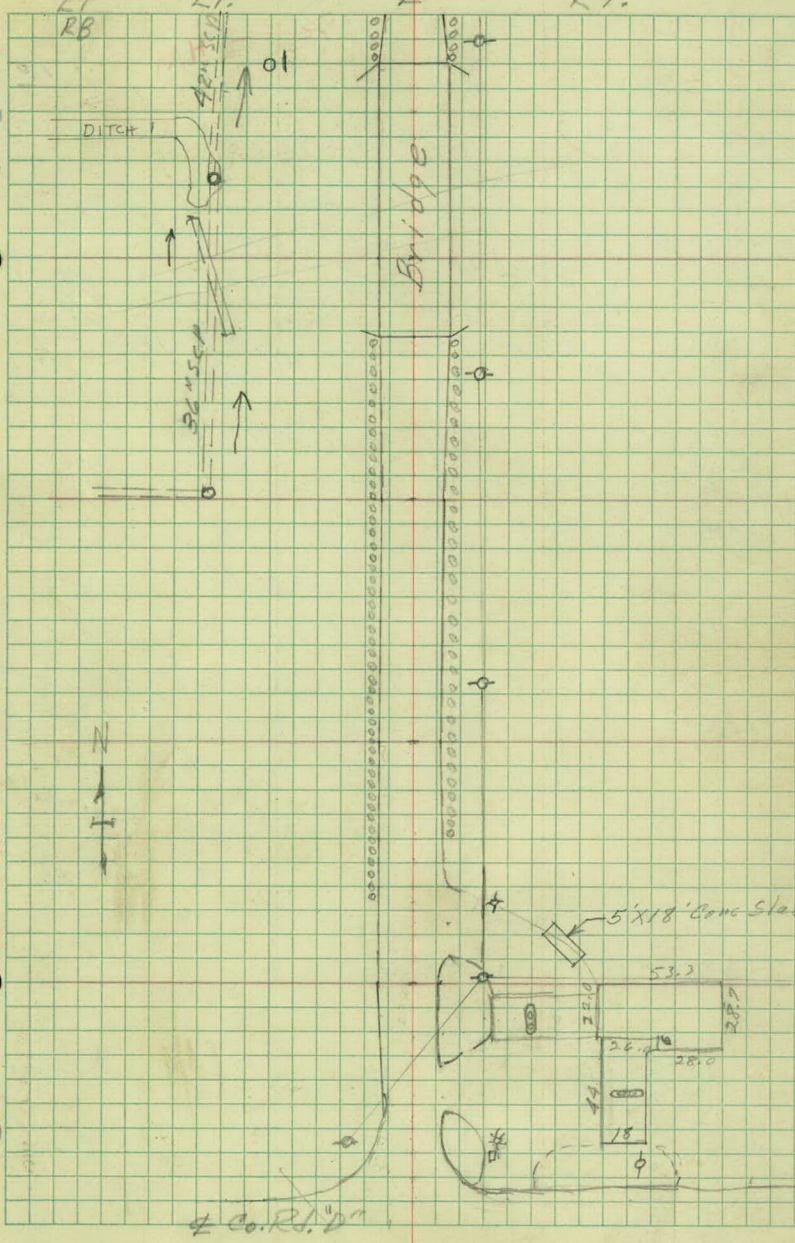
22.0

28.0

14

18

Co. Rd. "D"



10+00

LT

.4  
11 11

Rt

+79 CB  
64+67 PP  
28
~~+41 31~~ ~~+43 34~~ ~~+24 30~~  
~~+19 32~~ ~~+29 33~~

9+00

11 12

~~+10 31~~ ~~+12 31~~  
~~+14 31~~ ~~+14 31~~
~~+96 12~~ ~~+71 49~~ ~~+87 53~~
+65 End Guard Rails  
16

End Guard Rails SW Cor Ho

~~+65 16~~ ~~+66 83~~  
~~+48 30~~ ~~+57 28~~ ~~+70 28~~  
~~+36 28~~ ~~+42 35~~ ~~+42 58~~

8+00

11 11

~~+12 36~~ ~~+34 45~~
+9A 12 Ent  
15

7+00

11 11

+90 MH  
65+64 PP  
29

6+00

12 11

+94 26  
88

5+00

12 12



RB  
TH

L4

March 22, 1960  
11<sup>00</sup> Very Windy  
RT

7



CKD

42' SCP

20' SCP

42' SCP

CKD

~~17.5~~  
32.0



15+00

Lt

. 2  
1111

Rt

18" oak  
+86 40 +11 19  
8" Plum trees 16" oak  
+54 70-85 +71 36  
NW cor Ho. 8" Apple  
+40 89 +43 59  
6' Dia. clump Lilacs  
+43 38

14+00

11 11

+53 CB 114 +27 CB 93  
+02 CB 158 +07 MH 43 +07 E Proposed Road.  
Guy Pole 29 P.P. 125  
+21 29 +22 125

\* +81 53 24" tree  
+41 38 12" Elm 15" X 20" CM Ent  
+07 E Rd +35 28  
+69 94 SW Cor Ear  
End Rd

13+00

11

+67 28 64 +83 CB 72 +61 CB 120  
+03 16 MH

+20 39 Beg Rd  
+87 21 Send 15" X 61" CM Cont locate

+70 11 Beg Rd +91 47 End Rd  
+65 Beg in Rd +97 47 End Rd

12+00

11

~~(RTA 65) +70~~

Breather Pipe  
+96 22

~~SE Cor Ho 183~~

+21 28 PP  
+58 191 SW Cor Ho  
+63 10 E1 RT+39

+45 138

+63 11 12' Ent

+24 45 30" oak +54 54 36" BE

11+00

11 11

+09 12 R' Ent

+94 58 PP

+89 28 PP

10+00

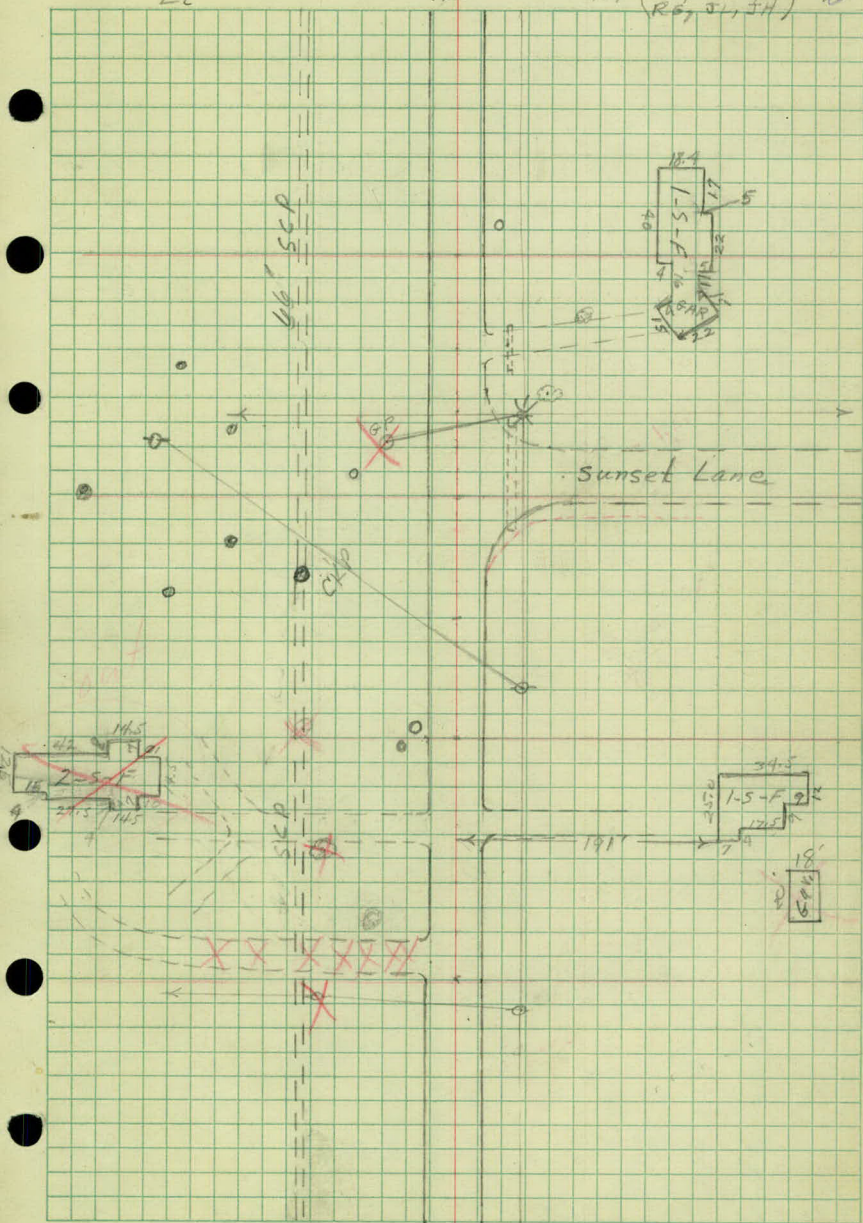
11 11

54

Lt

~~4~~

March 22, 1960  
Rt (Apr 26, 1960)  
Very Windy  
(R6, J1, J4)



20+00

LT

.4

11 11 +00 29

RT

+63 ~~STP~~  
30+40 ~~Ent 15' X 20' CM?~~  
21+05 ~~NH~~  
6419+00 +00 ~~CB~~  
90+56 ~~CB~~  
90+67 ~~Ent 46' Future Road~~+68 ~~STP~~  
30+24 ~~CB~~  
64

18+00

11 11 +00 29  
12" Apple+88 61  
8" Apple+53 58  
12" Apple+10 ~~NH~~  
18

11 11 +03 109' RT+07

+82 21  
15' X 20' CM+71 28  
Fe Cor+42 28  
STP+59 148'  
SW Cor Gar

+82 12' Ent

17+00

11 11

+52 36  
22" Oak+39 21  
15' X 20' CM+22 52  
STP+12 Ent  
12' Ent

16+00

11 11

+86 29  
5' Fe (chicken) wire+53 76-115  
Fe Cor+59 20  
15' X 20' CM+59 12 Ent  
12' Ent+16 76-115  
Fe Cor+16 115  
SW Cor Ho

15+00

11 11

+11 28  
115+11 28  
115



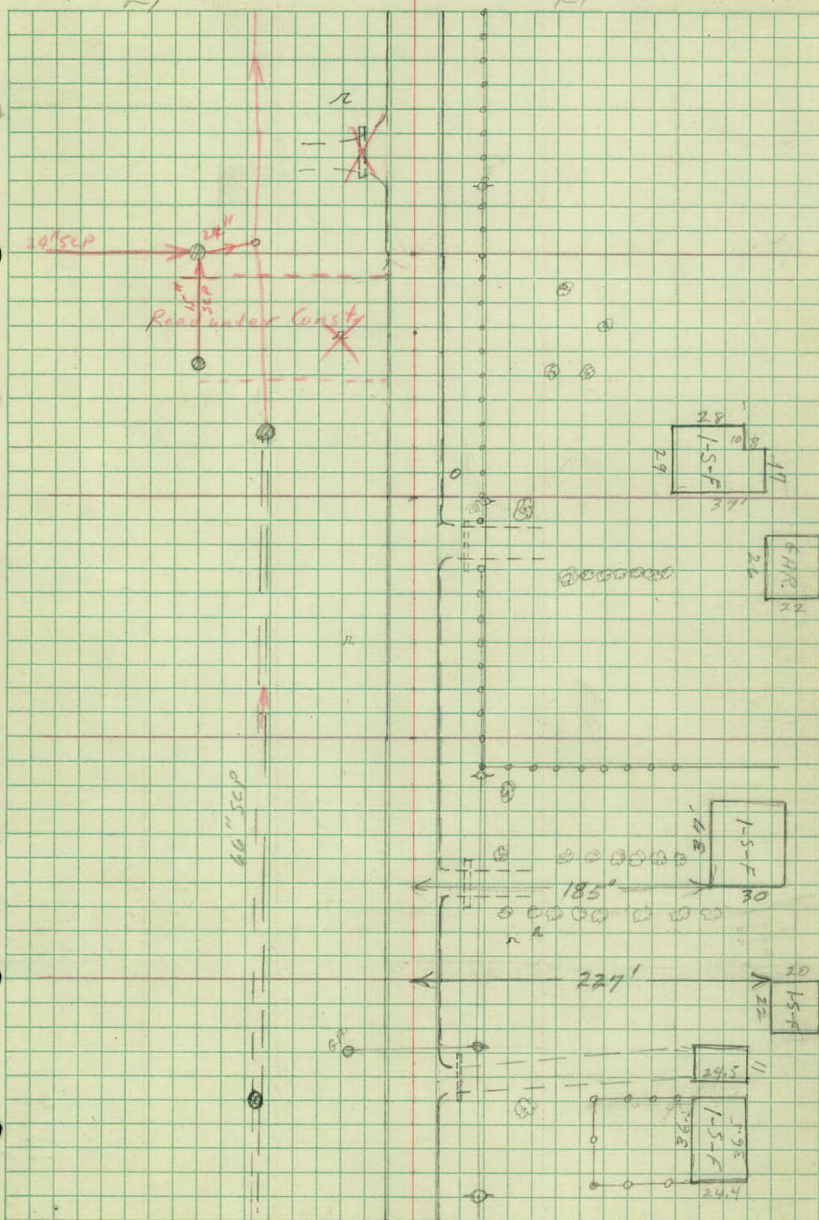
126  
JH

April 26, 1960  
Very Windy  
R6, IL, JH

March 22, 1960  
Windy, Cool  
9  
12

Lt

R+



25+00 Lt

10 12

Rt

+77  $\frac{5+P}{24}$  +55  $\frac{MH}{15}$   
 +54  $\frac{TCA18}{27}$  +50  $\frac{Breather Pipe}{21}$

+78  $\frac{8" Apple}{105}$  +79  $\frac{14" Apple}{75}$   
 +59 Ent  $\frac{15" \times 20' CM}{24}$

24+00

10 12

+95  $\frac{18" SCP}{21}$   
+56  $\frac{CB}{24}$

+95  $\frac{18" SCP}{23}$   
 +66  $\frac{PP}{28}$   
 +29  $\frac{15" \times 20' CM}{24}$  12' Ent

23+00

10 12

+75  $\frac{SW Cor Ho}{87}$  +64  $\frac{4" BE}{58}$  +64  $\frac{6" BE}{75}$   
 +63  $\frac{PP}{28}$  +64  $\frac{PP}{28}$

22+00

10 12

~~+67  $\frac{16" BE}{25}$~~  +81  $\frac{12" BE}{24}$   
~~+60  $\frac{SW Cor Ho}{49}$~~  +60  $\frac{SW Cor bar}{131}$  RT+53  
 +46  $\frac{Fe Cor}{30}$  +55 Ent +55  $\frac{15" \times 20' CM}{21}$

21+00

10 12

+38  $\frac{8" E}{46}$

+78  $\frac{PP}{28}$

20+00

11 11

+00  $\frac{Fe}{29}$





30+00 Lt 11 11 R7

|                      |           |             |
|----------------------|-----------|-------------|
| 17' Oak              | 22' Oak   | 15' Oak     |
| +62 70               | +89 62    | +95 46      |
| Breather Pipe (Vent) | 4" E/m    | 12' Eht     |
| +47 21               | +52 52    | +75 12' Eht |
| 12' Oak              | SW Cor Ho |             |
| +27 59               | +18 94    |             |
|                      | 4" E/m    |             |
| 29+00                | 11 11 +00 | 51          |

71 18' Oak

58

24' Oak

58

12' Oak

53

100

28+00

100

31

11 11

24 29

88 12' Oak

57

4 Eht

89 40

81 R Tie

14' Oak

52

47

66

40

51

40

24' Oak

40

40

54

59

27+00

11 11

37 PP

71

CB

45 49

End Rad

66

11

Reg Rad

25 55

End Rad

102 52

26+00

102 52

Reg Rad

64 10

25+00

100 & Proposed Road 20'

PP

46 29

47

36-100+

4 E Lake View Dr

37

21' Oak

65

18' Oak

41 45

12

20

18' Oak

45

35

18' Oak

41

24' Oak

41

98

41

98

41

3

14' Apple

78

75

SW Cor Ho

18

167

12

14

29

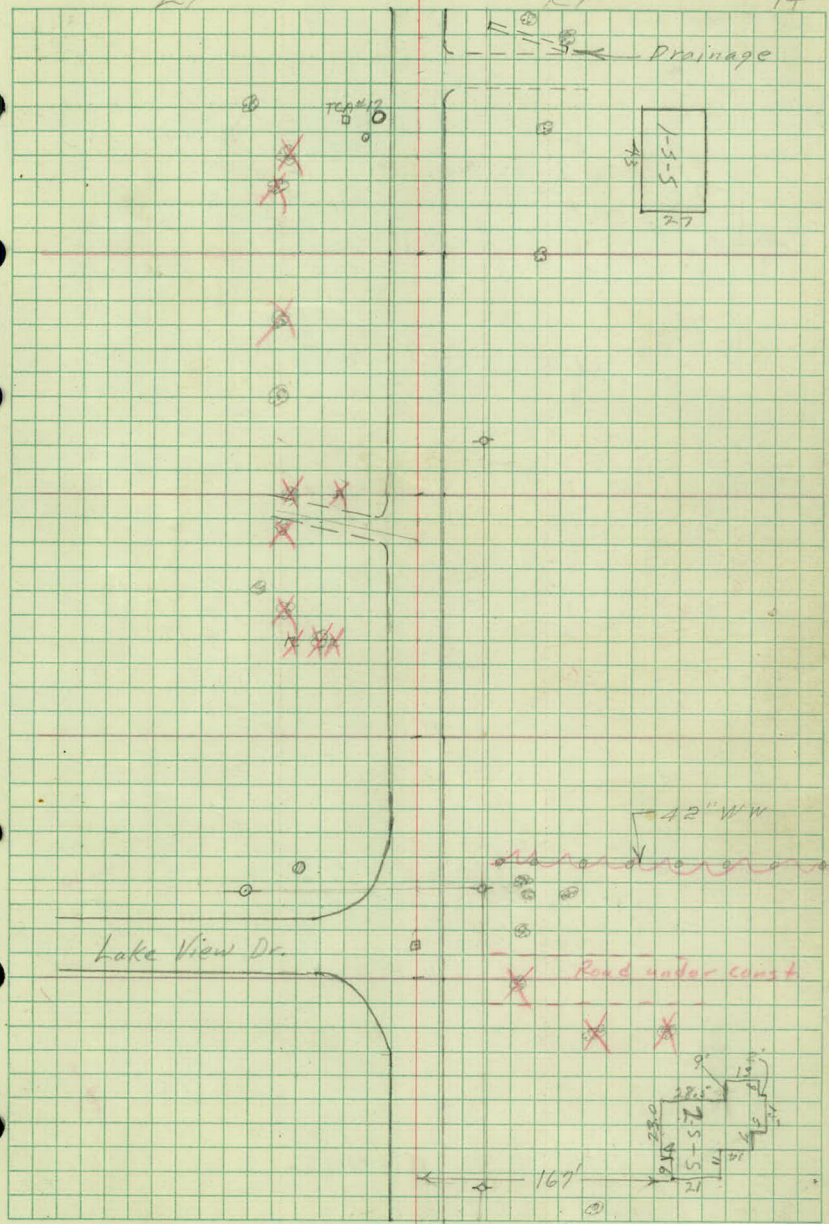
106

8' Apple

75

11  
14

*[Signature]*

 $R_+$ 

35+00

1x  
+00 Fe  
33

2.  
11/11

RT

20' Conc Ent  
+91 34-81

15'x20' CM  
+91 22

Fe Cor  
+63 34

RT +40

4x4 Brick  
+81 61 Pillar

4" Willow

4" Willow

+17

37

+21

37

+17

30

+79 End Fe

60

34+00

Lake

Fe

11/11

+00

34

+95 Vent Pipe

+99 MH-15

165 Lake  
63 +131

+50 Lake

18" 46' Drain

54

+34

27-19

SW Cor Ho

+43

161

33+00

Lake

Fe

11/11

+00

34

+50 Lake  
75

+53 Fe Cor (wood)

+58 PP

+10 Cyclic Fe Cor  
33

+18

Wend Storm Sewer (55')

32+00

Lake

Fe

11/11

+03

30" Oak

78

SW Cor Ho

+91

233'

+94 Ent

12'

+94

12" x 24" Vit. P.

21

+27 22" Oak  
29

+29 PP  
30

+28 21" Oak  
57

31+00

+07 Ent

RT +15

11/11

+57 Turn 20" Oak  
30

+71 20" Oak  
26

+72 24" Oak  
45

+78 24" Oak  
45

+19 Abandoned  
65 Post

+23

65

+29

13" Oak

28

+17 14" Oak  
30

+19 24" Oak  
25

+15 10" Oak  
52

+21 14" Oak  
75

+34 18" Oak  
45

30+00

+07 20" Oak  
25

+14

8" Oak

11/11

+04

30

+08

18" Oak

48

+08

10" Oak

73



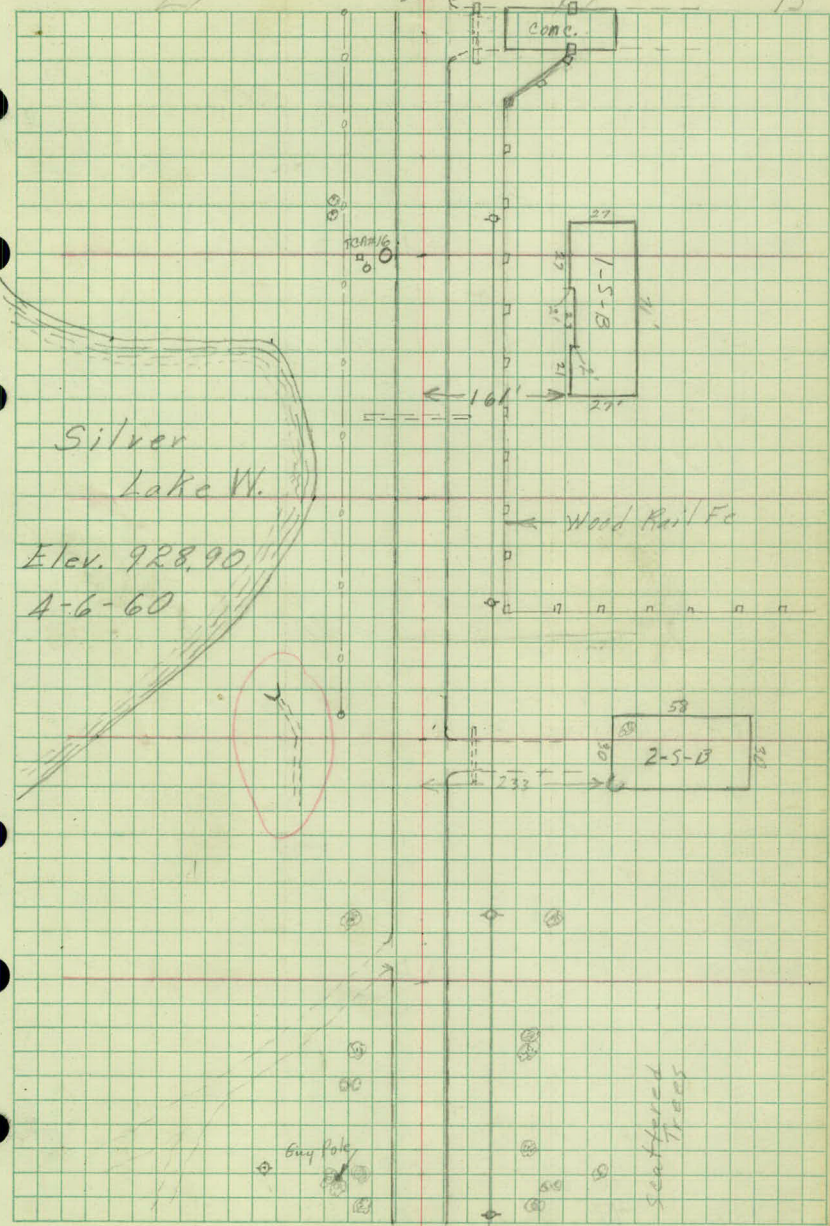
March 24, 1960

12  
15

Lt

L

Rt



40+00  $\cdot$  Lt  $\frac{Fe}{33}$   $\frac{Beg Fe}{33}$  11 11 Rt  $\frac{Fe}{27}$   $\frac{Swamp}{26}$   
 +00  $\frac{Fe}{33}$  +53  $\frac{Beg Fe}{33}$  +00  $\frac{Fe}{27}$  +00  $\frac{Swamp}{26}$   
 +54  $\frac{4' \times 4' Gate Pillar}{56}$  +50  $\frac{4' \times 4' Pillar}{32}$   
 +38  $\frac{4' \times 4' Pillar}{65}$  \* PP  
 38+96 RT +46  $\frac{12' \times 58' CM}{32}$  Beg Swamp  
 +25 Ent +25  $\frac{24}{24}$  +43  $\frac{28}{28}$   
 39+00 too  $\frac{4' \times 4' Stone Pillar}{32}$  11 11 +20  $\frac{Stock Fe Cor.}{34}$   
 +96 +77  $\frac{PP}{27}$

38+00  $\frac{Fe}{33}$  11 11  
 +25  $\frac{PP}{29}$

37+00  $\frac{Fe}{33}$  11 11  
 +54  $\frac{TCA \#1534}{MAH 15}$   
 Vent Pipe  
 +49  $\frac{23}{23}$

36+00  $\frac{Fe}{33}$  11 11  
 +65  $\frac{PP}{30}$

35+00  $\frac{Fe}{33}$  11 11 +16  $\frac{SW Cor Ho}{114}$   
 +01  $\frac{4' \times 4' Brick Ent Pillar}{63}$   
 +01  $\frac{Fe Cor}{63}$  61

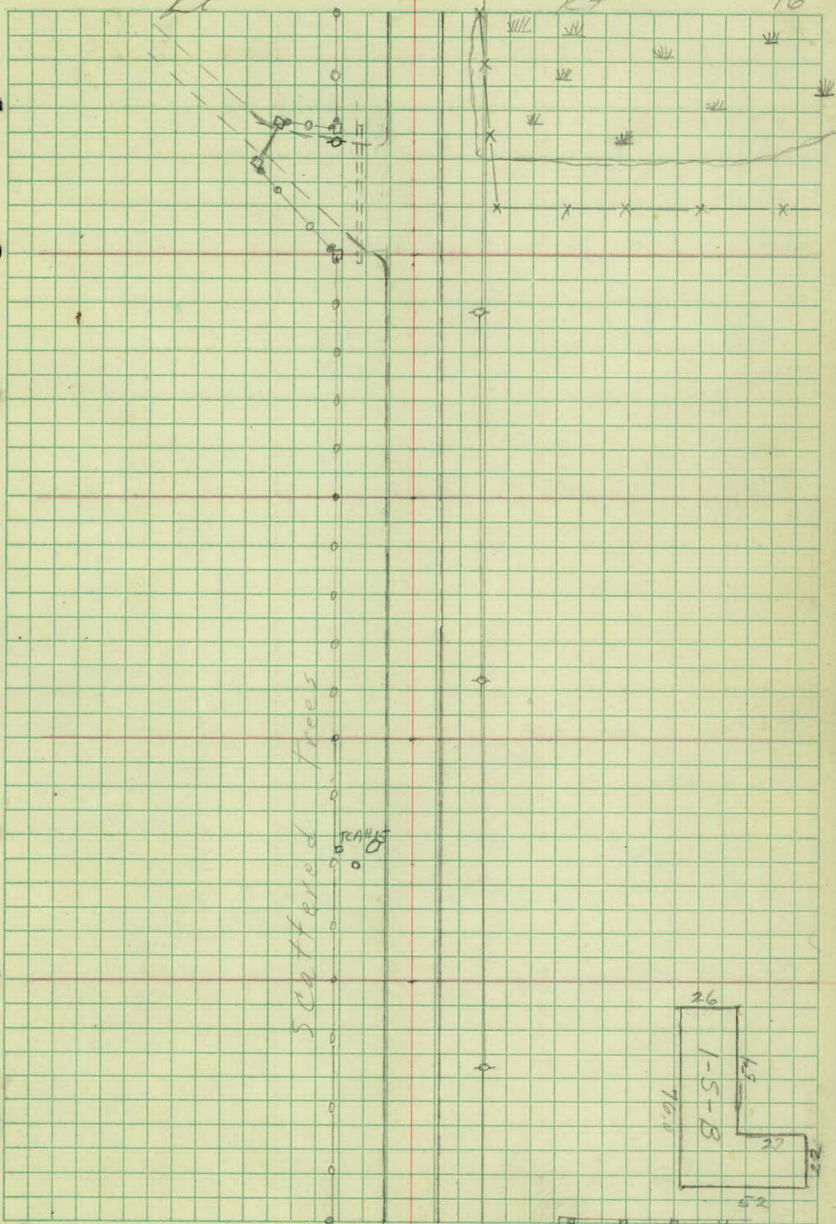
March 24, 1960

13  
16

Lt

±

Rt





$$\begin{array}{rclclcl}
 45+00 & \cdot L+ & \cdot Z & R+ & \cdot Fe & \cdot Swp \\
 +00 \frac{Fe}{35} & 10 \ 12 & +98 \frac{PP}{29} & +00 \frac{Fe}{29} & +00 \frac{Swp}{30} \\
 +00 \frac{Swp}{30} & & & & & 
 \end{array}$$

$$\begin{array}{rclclcl}
 44+00 & \cdot Fe & \cdot Swp & 10 \ 12 & \cdot Fe & \cdot Swp \\
 +00 \frac{Fe}{35} & +00 \frac{Swp}{30} & +00 \frac{Fe}{28} & +00 \frac{Swp}{26} \\
 & & +44 \frac{PP}{28} & & & 
 \end{array}$$

$$\begin{array}{rclclcl}
 43+00 & \cdot Fe & \cdot Swp & 10 \ 12 & \cdot Fe & \cdot Swp \\
 +00 \frac{Fe}{35} & +00 \frac{Swp}{30} & +00 \frac{Fe}{28} & +00 \frac{Swp}{38}
 \end{array}$$

$$\begin{array}{rclclcl}
 42+00 & \cdot Fe & \cdot Swp & 11 \ 11 & \cdot Fe & \cdot Swp \\
 +00 \frac{Fe}{34} & +00 \frac{Swp}{29} & +00 \frac{Fe}{28} & +00 \frac{Swp}{28} \\
 & & +88 \frac{PP}{29} & & & 
 \end{array}$$

$$\begin{array}{rclclcl}
 41+00 & \cdot Fe & \cdot Swp & 11 \ 11 & \cdot Fe & \cdot Swp \\
 +00 \frac{Fe}{34} & +00 \frac{Swp}{30} & +00 \frac{Fe}{28} & +00 \frac{Swp}{26}
 \end{array}$$

$$\begin{array}{rclclcl}
 \cdot Vent Pipe & +48 TCA\#14 & \cdot PP \\
 +46 \frac{22}{22} & M\#16 & +33 \frac{27}{27} \\
 \cdot Fe & Beg Swp & \cdot Swp \\
 40+00 & +00 \frac{Fe}{33} & +00 \frac{Swp}{30} & 11 \ 11 & +00 \frac{Fe}{27} & +00 \frac{Swp}{26}
 \end{array}$$

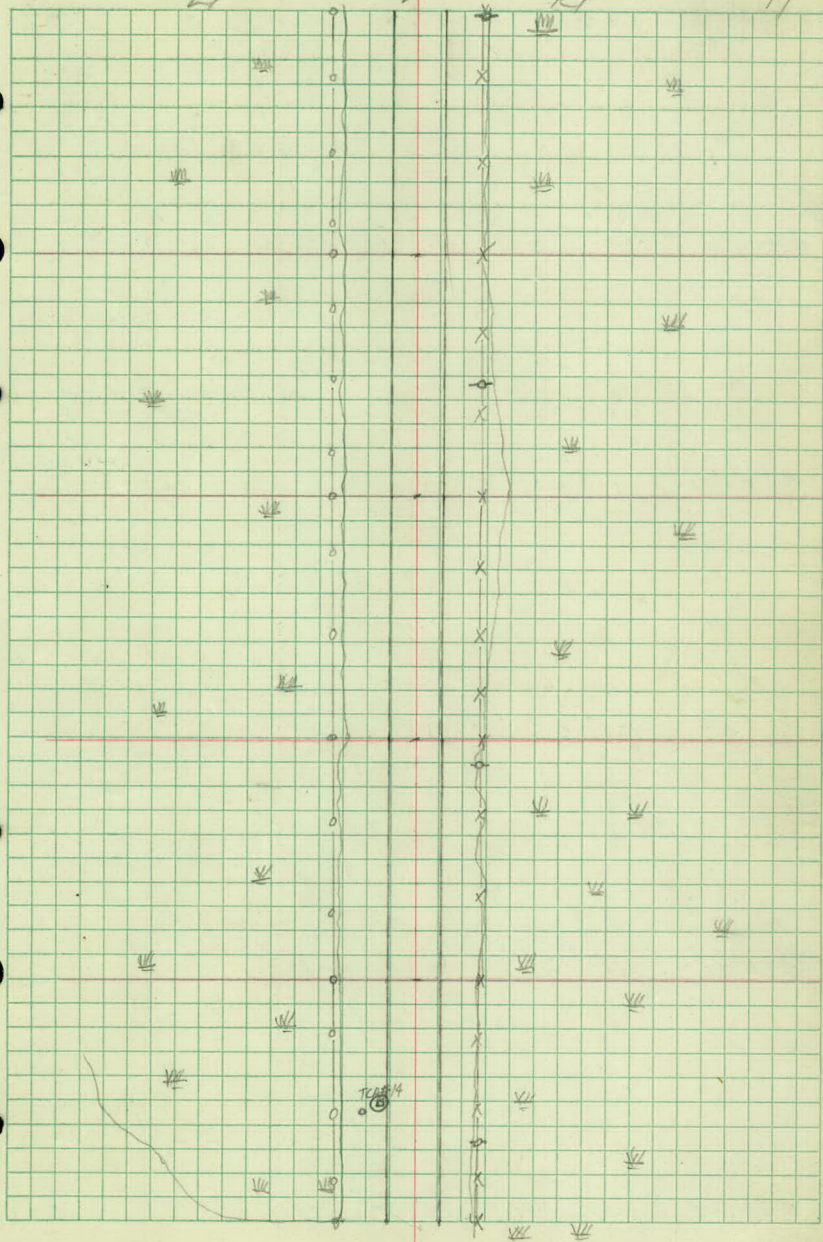
March 24, 1960

14  
17

Lt

2

Rt



$$\begin{array}{r} \text{PP} \\ + 57 \quad 29 \\ \hline \end{array}$$

$$\begin{array}{r} \text{Pond} \\ + 57 \quad 36 \\ \hline \end{array}$$

49+00      +00  $\frac{Fe}{39}$       +00  $\frac{SwP}{23}$       9 13      +00  $\frac{Fe}{36}$       +00  $\frac{Bq Pond}{31}$

$$\begin{array}{r}
 \cdot \text{beg Swp} \\
 +15 \quad 25 \\
 \hline
 48+00
 \end{array}$$

GATE  
 +79 12' ENT +87  $\frac{\text{Fe Cor}}{34}$   
 +43  $\frac{24'' \text{ oak}}{41}$  +70  $\frac{\text{Fe Cor}}{33}$   
 +11 NW Cor Shed +159  $\frac{18'' \text{ oak}}{40}$   
 47+00  $\frac{\text{Fe}}{+00 \quad 38}$  10 12 +00  $\frac{\text{Fe}}{38}$  73  $\frac{\text{Fe Cor}}{+63 \quad 30'' \text{ oak}} \quad 36$

$$\begin{array}{r} \text{SW Cor shed} \\ +73 \quad \underline{73} \\ \text{pp} \\ +53 \quad \underline{29} \end{array}$$

$$\begin{array}{r} \text{End Swp} \\ +21 \quad \underline{38} \end{array}$$

$$\begin{array}{r} \text{Fe} \\ +00 \quad \underline{38} \end{array}$$

$$46+00$$

$$\begin{array}{r} \text{Fe} \\ +00 \quad \underline{35} \end{array}$$

$$10 \quad 12 \quad +00 \quad \underline{35}$$

$$\begin{array}{r} \text{End Swp} \\ +70 \quad \underline{35} \end{array}$$

$$45 + 00 \quad \cdot \frac{Fe}{100.35} + 00 \cdot \frac{Swp}{30} \quad 10 \quad 12 \quad 700 \cdot \frac{Fe}{29} + 00 \cdot \frac{Swp}{29}$$





55+00 LT \$ 0.22 RT

+81 14" Oak  
69

+20 15" Oak  
61

54+00 3 19

+87 PP 36 +79 30" Oak 82

+11 Twin 8" Cuff  
64

+01 16' Ent LT +01 15" x 19" CM 14  
SE Cor Ho Conc.

53+00 +07 174 5 17

+42 Beg Rad 42 End Rad 6 +41 Beg Rad 51 End Rad 16

+54 PP 79 +54 PP 39 +62 Hgd 39 20' Ent

+65 N. End 15" x 70" CM  
30

+03 TP  
63

+27 12" x 32" CM  
36

52+00 +17 End Rad 44 7 15 +15 End Rad 36 +00 Fe Cor 37

+99 Fe Cor 42 +90 Beg Rad 7

+88 End Trees 50

+92 Beg Rad 15

+31 PP 30

+97 S End Culv 15" x 70" CM  
37

+19 36" Cuff  
48

51+00 +00 Fe 40 8 14 +00 Fe 36

+82 Beg Trees 50

+10 End Pond 100

50+00 +00 Fe 39 +00 Sup 35 8 14 +00 Fe 36

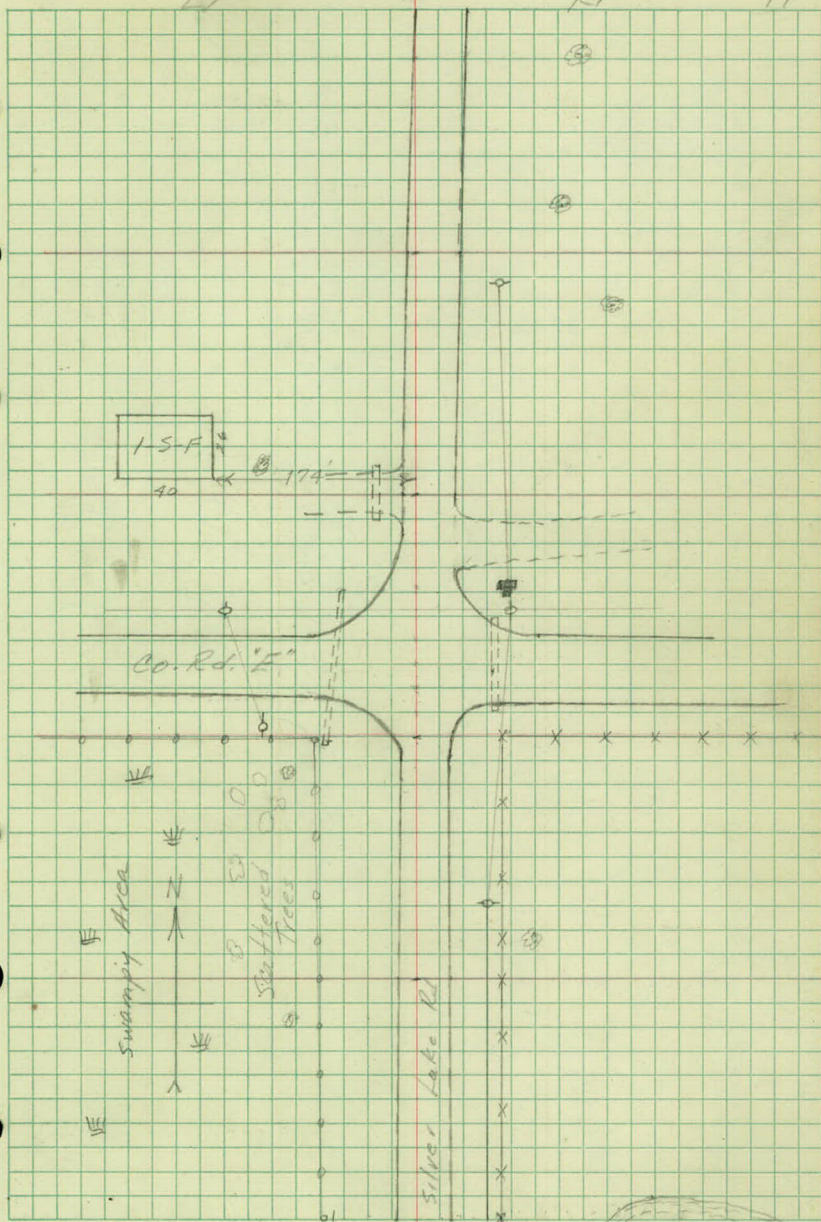
RG May 5, 1960  
JH Cloudy, Cool  
Lt

March 24, 1960

16  
19

Rt

4





60+00 LT

5-27 RT. Fe  
100 56

59+00  
+62 Fe Cor  
54-56 +35 Water Shut  
off  
16 Gate + Ent. Fe Corner  
+25 54 4/6 54-56  
6-28 Fe Hyd.  
100 56 4/6 50  
+75 Twin 16" Oak PP  
54 +78 37

58+00

5-27 Fe  
100 56

End Scrub Orchard  
+88 68'  
+15 Beg. Scrub Orchard  
18" Scrub Apple  
+10 80'

57+00

5-27 PP Fe  
100 35 100 56

+85 Fe Cor  
56

+17 StP  
17

+57 12' Ent

56+00

2-24

+52 24" x 31" CM  
PP 6  
+45 PP  
100 + +52 20' Ent RT +55  
SE Cor Ho  
+58 200'

+37 PP  
36  
+09 8" Oak  
74 +21 15" Oak  
71

55+00

0 22 +04 SW Cor Ho  
149

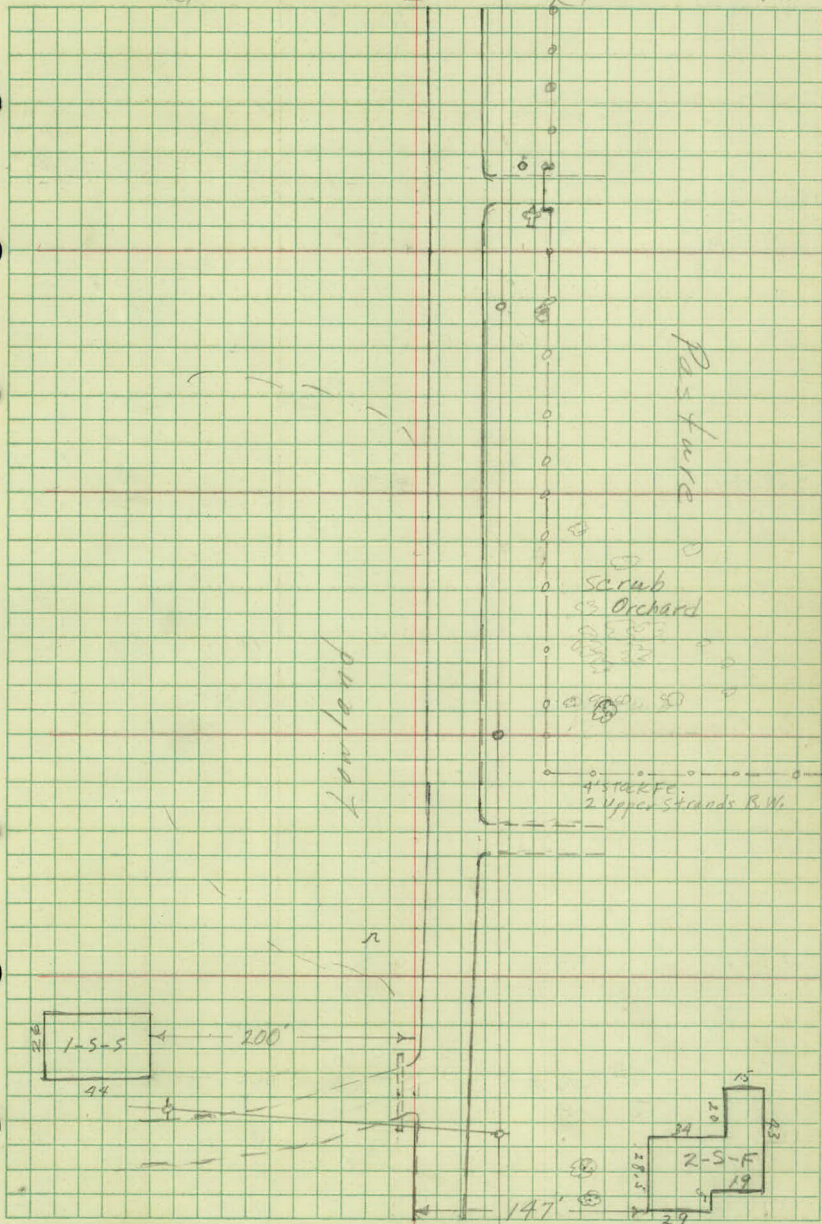
March 24, 1960

17  
20

Lt

E

Rt



65+00 Lt \$ RT  
+78 stump 9 1-23

+13 10' Ent 33 RT+08

64+00 2-24

+87 PP 32

63+00 3-25

+77 20" oak 52

+39 PP 34

62+00 4-26

+46 Fe Cor 56 RT+50

61+00 4-26 +00 Fe 56

+49 TCA#13 MH  
10 02  
Vent  
143 4

+39 PP 37

60+00

5-27 +00 Fe 56



March 24, 1900  
18  
21

Lt

±

Rt

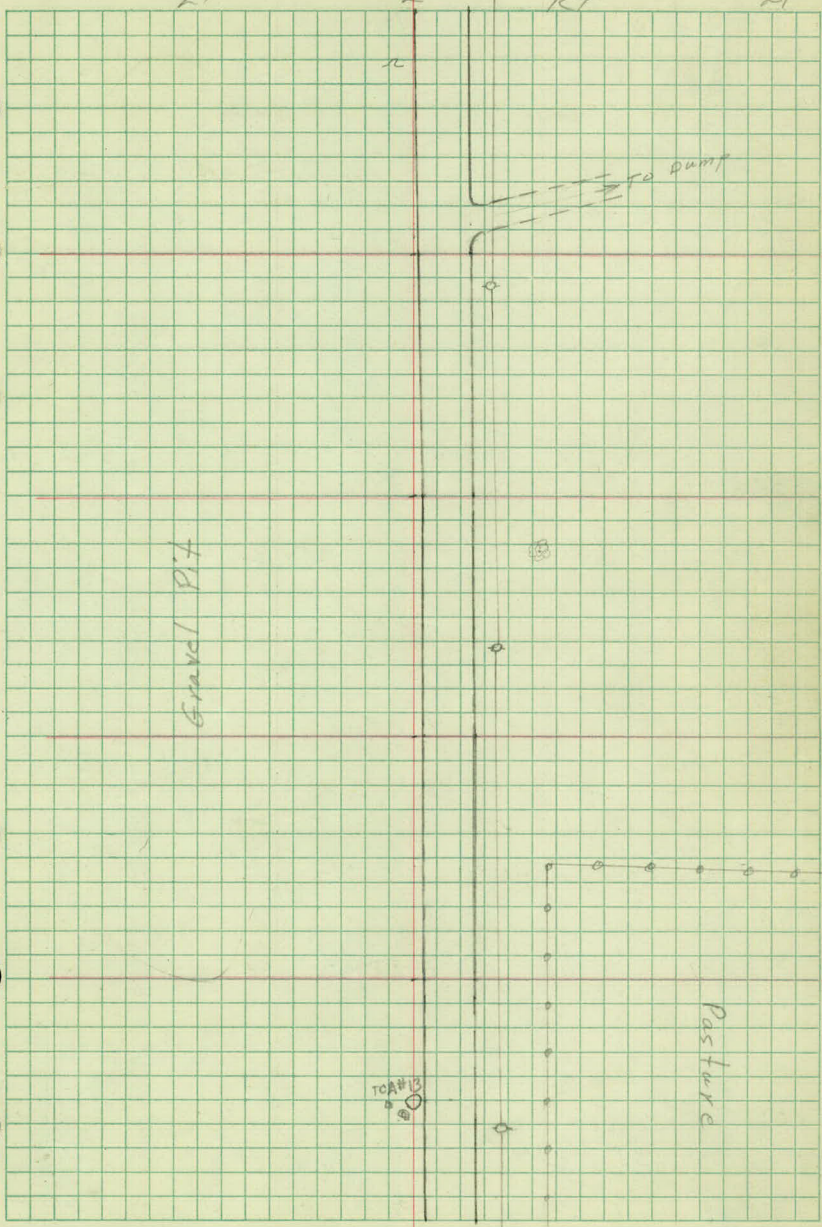
π

to dump

Gravel Pit

TOA #13

Pasture



70100

Lt

. 4  
418

Rt

SE Cor Ho

+71 90

+57 <sup>PP</sup> 36 +78 <sup>Stamp</sup> 20

+20 4" Cott 31

69+00 +00 <sup>End Fe</sup> 35+41 <sup>PP</sup> 27+11 <sup>Standard Oil Pipe line</sup> 64+11 <sup>Fe Cor</sup> 49+70 <sup>beg Fe (up again)</sup> 50

Side

+47 <sup>TCA #12</sup> 16 +5 <sup>MH</sup> 5+44 <sup>Vent</sup> 1068+00 +00 <sup>Fe</sup> 322 20 +08 <sup>PP</sup> 29+19 <sup>Hqd</sup> 40+82 <sup>20" oak</sup> 49+55 <sup>16" oak</sup> 89 +63 <sup>12" oak</sup> 88+47-53 <sup>clump Willows</sup> 63+17 <sup>16" oak</sup> 4467+00 +00 <sup>Fe</sup> 301 21 +00 <sup>Fe (down)</sup> 54+85 <sup>PP</sup> 29 +85 <sup>15" oak</sup> 50+85 <sup>15" oak</sup> 56 +96 <sup>12" oak</sup> 50+34 <sup>beg Fe (35 ft. BW.)</sup> 2966+00 +03 <sup>Ent Rt +00</sup> 12 0 22 +00 <sup>Fe</sup> 54+81 <sup>10 8" oaks</sup> 55-70+45 <sup>6" Cott</sup> 60+75 <sup>2 14" oaks</sup> 24 +81 <sup>5-12 oaks</sup> 42+69 <sup>22" oak</sup> 58+74 <sup>Water S.O. Valve</sup> 37+34 <sup>20" oak</sup> 54 +54 <sup>3-15" oaks</sup> 33+39 <sup>Clump Cott</sup> 81+43 <sup>Water S.O. Valve</sup> 72

65+00

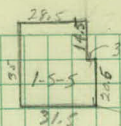
1-23 +20

(pipe only)  
(No Valve.)

+28 30

March 24, 1960

19  
22



Lt

L

RT

n

RA#12

090

A-S-Barb →

← R-S-Barb

Steel Posts

Wood Posts



75+00

LT

8.14

RT

+90 16' Ent

NE Cor Ho

+66 257'

+75

Fe Cor

35

+33  $\frac{PP}{34}$  +33  $\frac{PP}{49}$ 

74+00

+100  $\frac{Fe}{36}$ 

8.14

73+00

+100  $\frac{Fe}{37}$ 

7.15

+60

3-10" Willows

100

+79  $\frac{PP}{24}$ +88  $\frac{8" Plum}{65}$ +60  $\frac{Fe Cor}{38}$ +65  $\frac{15" \times 17" CM}{17}$ +37  $\frac{Water Shut off Valve}{35}$ 

72+00

+100  $\frac{Fe}{38}$  Pond +100 150 6.16

St. 0.1 Pipe Line

+73

57

+66

27" Oak 50

+26  $\frac{PP}{24}$ 

71+00

+100  $\frac{Fe}{39}$  Pond +100 37 5.17+93  $\frac{Clump 10 Willows 5"}{60}$ 

Beg Pond

+61

30

+51

Beg Fe 35st. BM.

35

+34  $\frac{4 Maple}{33}$ 

70+00

+15  $\frac{9 B.T. Ent}{10}$ 

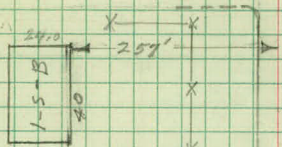
4.18

March 29, 1960

20  
23

Lt

Rt



Horse Pasture

2 5-Barb →

X X X

Pond

B.T.

70+38  
24" Vit x Drain  
68' Rt. (36,20)

80+00

LT

12/12

RT

PP  
+68 30  
18"X43' SCP  
+52 21

79+00

Standard Oil

12/12

Hyd SW Cor Ho RT +08  
+04 31 +10 125

Fe Cor  
+55 27 +68 Vent  
27

+51 End of Blacktop

10/12 Beg Rad End Rad  
+74 40 +89 12  
Water Shut off  
+56 MH 25

78+00

Fe  
+00 27

10/12

Beg Rad End Rad  
+26 12 +42 40  
Arc Lt Standard Oil  
+33 28 +69 +33 Pipe Line  
52

PP  
+74 51

Beg Fe  
+67 27

SW Cor Ho

+66 129

+58 10' ENT

+58

15"X16' CM  
21

Fe Cor  
+40 32

SW Cor Gar

+31 100

PP's  
+23 27465

77+00

Fe  
+00 32

10/12

+12

8" Apple  
100

MH  
+01 14

+01

Hedge  
29

Fe Cor  
+08 32

SW Cor Ho

+25 63

76+00

Vent  
+01 79

TCR #11  
+01 25 (9 13)

SW Cor Ho  
+00 13

+84 ENT

+84

15"X20' CM  
21

Beg Rad  
+77 45

End Rad  
+93 24

So. End Ent Piller  
+86 36

Send Ent Piller  
+37 37

S. End 15"X60' CM  
+35 25

SE Cor Ho

+29 29.3

Beg Rad  
+32 14

End Rad  
+52 45

75+00

PP  
+09 29

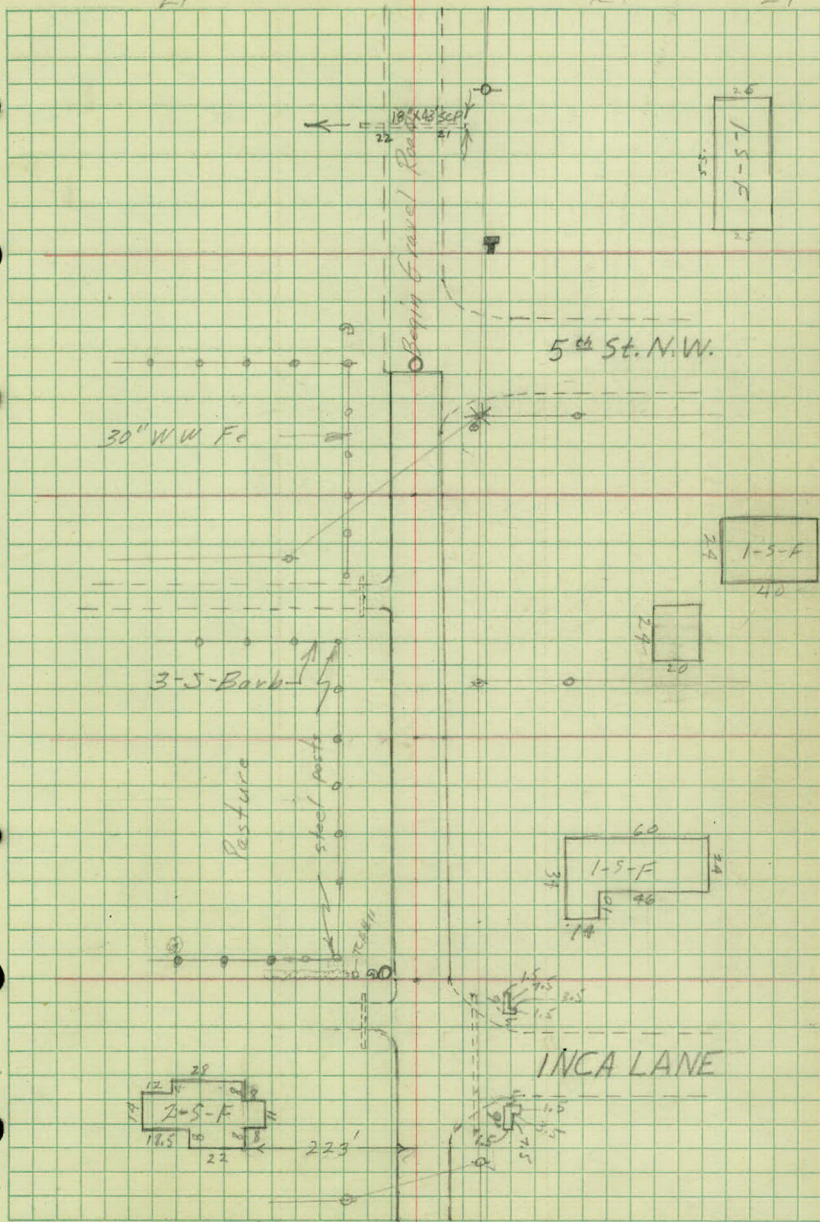
8/14

PP  
+25 27



March 24, 1960

|    |    |
|----|----|
| RT | 21 |
|    | 24 |



85+00

Lt.

Z  
1413

Rt

24" BE  
+30 78 +57 Fe Cor 32

30" Maple +30 24" BE  
70 63

84+00 +07 5-8" Maple 27 +19 10" Ent 14 14

SE Cor Ho  
+63 153

+51 22" oak 27 +94 20" oak 27

PP  
+14 29

2" Pine +00 45 3" Pine +04 51

3" Elm +52 50 3" Elm +92 57 3" Pine +96 50

SE End 15" X 20" CM +24 23 733 12" Ent

4" Elm +19 73 SW Cor Ho 108

2" Pine +16 45 3" Pine +17 58 3" Pine +22 50

83+00

16" oak 18" oak 12" Ent  
+95 33 +53 32 +61 21 RT +51 24" oak +62 63

12" oak 5" oak 12" Elm  
+87 42 +35 65 +43 85

SE End 15" X 20" CM  
+85 23

13' cobbles Ent  
+92 26

PP 10" oak 20" oak  
+72 23 +24 36 +29 53

SW Cor Ho  
+42 119

12" oak 12" oak 12" oak  
+72 29 +15 28 +18 53

PP +34 36

82+00 20" oak 13.14 +10 MH 1

Twis 5" Elm  
+84 78

12" tree 12" Elm 16" Elm  
+81 39 +81 62 +81 83

4" Birch +48 72 Water 5.0. 27

SW Cor Ho +38 111 30 lump Birch +40 56

15' Ent +17 113 SW Cor Ho

SE End 15" X 20" CM +05 113

81+00

12 13 +07 24

PP +97 30

6" Maple +42 86 7" Pine +40 46

SW Cor Ho +21 19' Ent +10 115

5" Pine 12 12 +02 45 SE End 15" X 20" CM +10 23

80+00

RG  
JL  
JH

May 9, 1960  
cloudy Windy & Cool 22

Lt

+

Rt

25

Wood Rail Fe.

2-S-F  
45

100

153

1-S-F  
27

1-S-B  
190  
210  
220  
230

1-S-S  
400  
500  
540  
580

1-S-F  
22

MH



90+00 Lt  
+99 StP  
30

14 15

Rt

+55 StP  
27

+64 to +76 Garden  
34-80

+43 6" Elm 70 +56 12' Ent

+10 7" Elm 69 425 PP  
30

14 15 +04 SW Cor Ho 106 +14 Water S.O.  
35

89+00

+51 MH  
2

+30 5" Elm 51 +48 Shrubby  
33-100

88+00

14 15

+97 6" Elm 52 +95 SW Cor Ho  
106

+81 14' Ent (Sq. End  
15" x 16" CM)

+48 PP 30 +73 23

87+00

14 15

+71 4" Maple  
34

+49 Sq End 15" x 20" CM 24 +58 18' Ent

+43 2" Maple 45

86+00

14 15

+81 PP 33 +91 8" Elm  
71

+88 3-2" Birch 44 +96 SW Cor Ho  
107

+30 MH  
2

85+00

+23 End Fe  
29

14 15

+12 Hyd  
29

+13 18" BE  
36

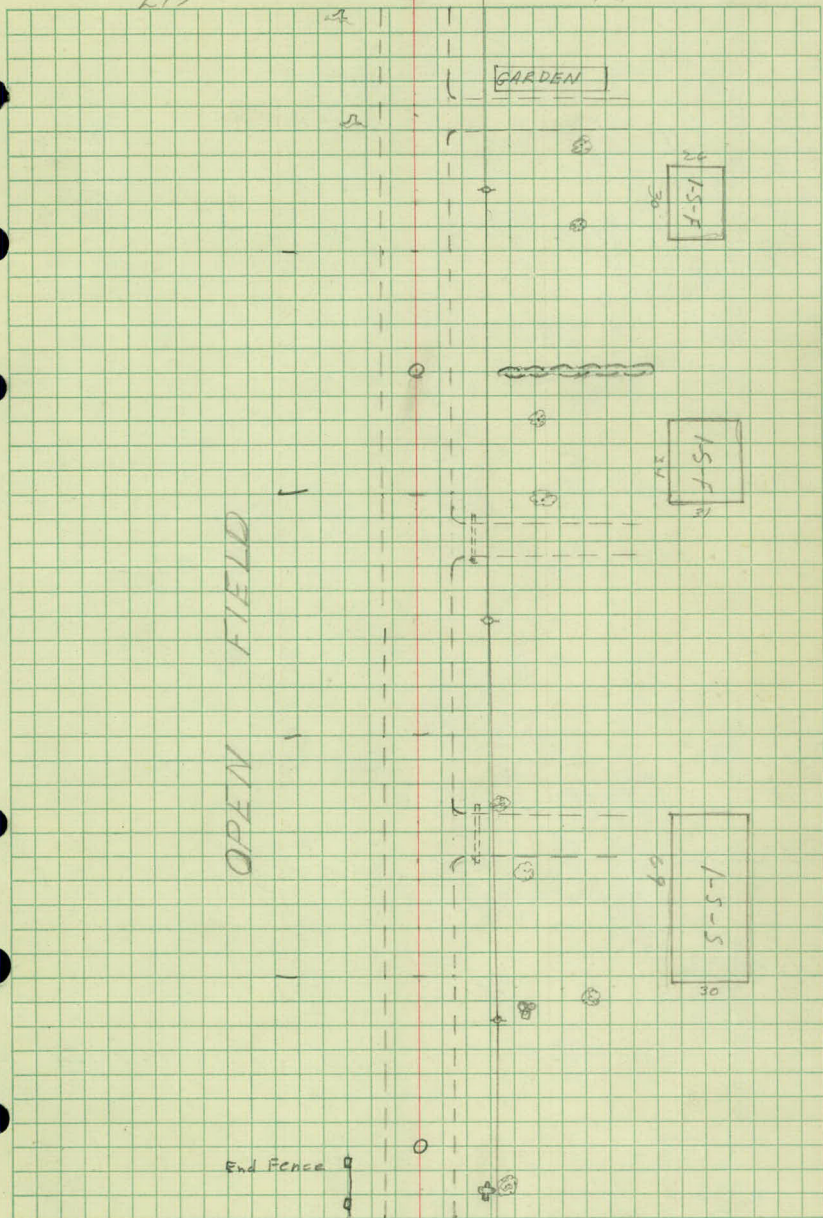
R6  
IL  
JH

May 9, 1960  
Very Windy, Cool  
Rt

23  
26

Lt.

2



95+00

LT

10 11

RT

+92 12 Ent

+73 3-8" Oak

Sub End 15" x 20" CM

+23 Fe Cor 33

+82 3-10" Oak

+44 30

+81

41 10" Oak

+11 39

+20 38

94+00

+03 Fe 33

10 11

+03 42

SW Cor Ho

10" Oak

+94 89

+99 40

+91 Water S.O. 51

+56 Stump 32

93+00

+00 Fe 33

11 12

+64 GP Trans. Pole 28 +64 37

+73 PP 29

+74 End Rad 15

Air Rad. Sign +62 Trans. Pole 49

+50 Beg Rad 57

+54 Hyd 48

+05 Pole 37

Cyclone

+31 7<sup>th</sup> ST NW (+30.67)

92+00 +60 End Rad 12

+60 Fe Cor 33 12 13

+14 End Rad 34

+91 Beg Rad 14

+80 PP 28

+79 Beg Rad 40

+40 Beg Rad 12

+68 7<sup>th</sup> ST NW

+29 Beg B.T. 14

+34 Beg Rad 15

+58 End Rad 39

+05 MH 5

91+00

15 15

+04 Flag Pole 51

+99 Shrub 34

+55 Stump 32

+67 SW Cor Bar 102

SW Cor Stone Wall Pkg Area (19' x 19') 1' High 45

+54 PP 30

+72 14' Ent

+18 Stump 30

90+00

14 15



RG  
JL

May 10, 1960  
Windy, Clear  
RT

24  
27

Lt

±

6' Chain Link Fe

92+30.67 ± St. Rt

7<sup>th</sup> St. N.W.  
(Cemetery Rd.)

7<sup>th</sup> St. N.W.

Flag Pole



Lt.  
100+00

4  
824

Rt

Bey Trees  
+20 100  
+11 103  
+31 9  
End Rad

99+00 +06 39  
End Rad  
+86 30  
+94 48<sup>12</sup> ST N.W.

+73 9  
Bey Rad  
+93 32  
MH  
PP  
+71 96

98+00 +02 134  
SE Cor Ho  
913

6" H Pole  
+30 26

97+00

+92 126  
SE Cor Ho  
MH  
+96 34

96+00

+05 111  
SE Cor Ho  
+92 42  
12" oak

95+00

+17 96  
SE Cor Ho  
MH  
+14 32

PP  
+21 31  
+23 28  
SO.  
End 15" x 305 CP

10 12

+69 43  
+72 43  
+80 43  
2-6" oak  
2-6" oak  
Twin 10" oak  
2 Twin 8" oak  
Twin 8" oak  
+51 43  
+55 44

10 12

+19 43  
+24 42  
6 oak (2"-8")  
3-8" oaks  
Triple 8" oak

+55 43  
+69 44  
+31 42  
+35 43  
3-8" oak  
Twin 20" B.E.  
8" oak  
2-12" oak  
12" oak

+22 41  
+24 41  
+29 42  
+13 41  
12" oak  
1-10" oak  
10 11 +07 42

25  
28

£

Pf

Wounded Area

1-5-F

1-5-F

$$1-5-7$$

1-5-F

MH O

MH 0

8th St. NW. O.M.H.



105+00 Lt. £ Rt

+80 £ Hwy 100

+33 End Rad  
84

+33 End Rad  
62  
+02 Arc Lt.  
32

104+00

+75 Beg Rad  
8

+89 Beg Rad +87 PP  
14 73

103+00

814

+50 End Trees  
110  
+30 12' Pine  
42  
+05 12' Pine  
43

+68 1' Pine  
60  
+26 2' Pine +46 2' Pine  
52 59

102+00

814

+66 14' Ent +98 PP +97 2' Pine  
73 55  
So. End 15' X 26' CM  
+55 28  
+23 3' Elm +42 11' Pine  
55 61

101+00

814

+97 3' Elm  
70

+57 4' Elm  
59

+16 12' Ent

100+00

814

+03 So. End 18' X 28' CM  
23

Rc  
JL

May 10, 1960  
Cloudy, Very Windy 26

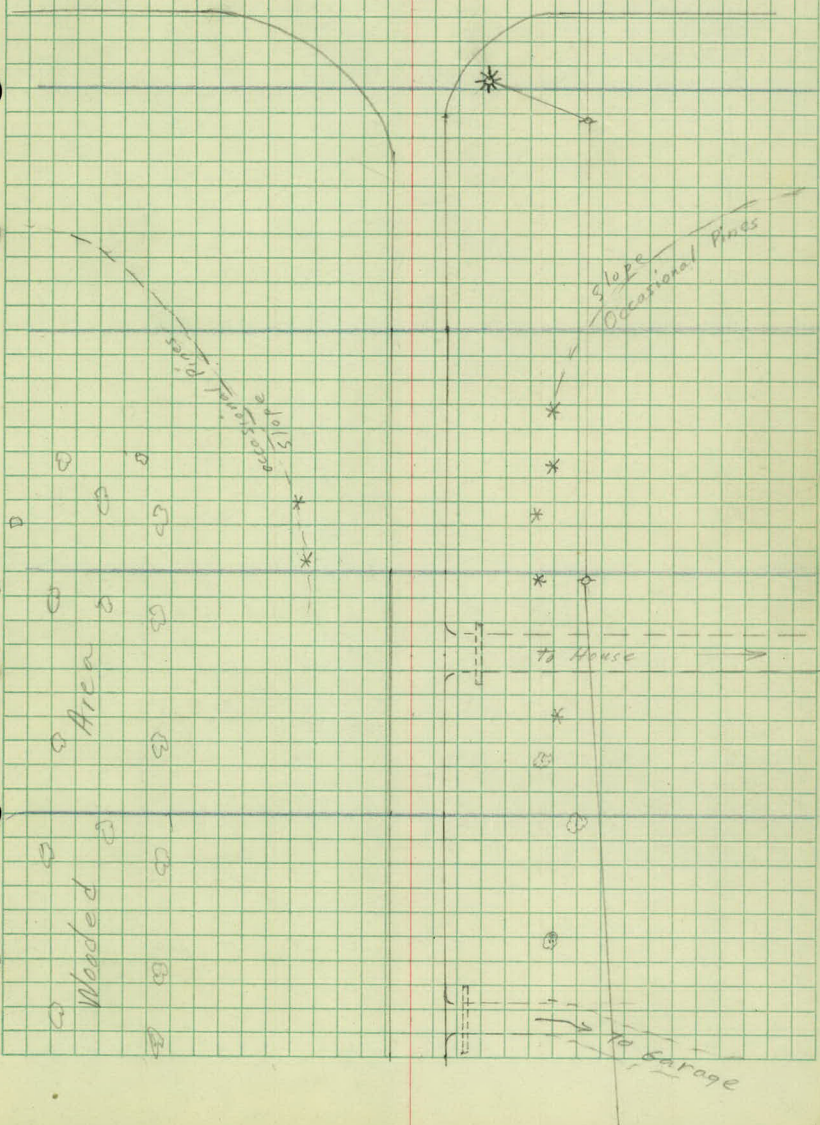
Lt.

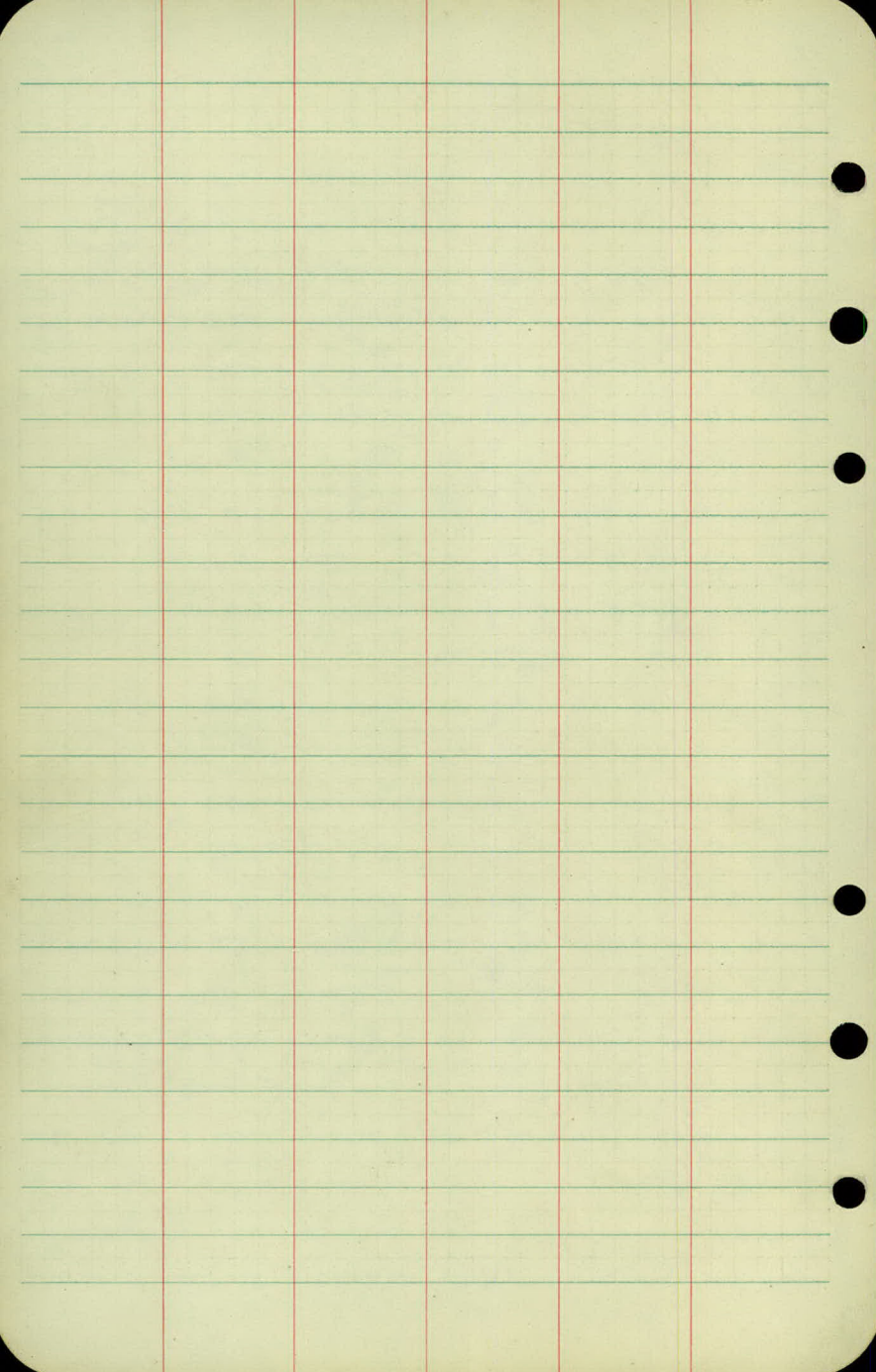
E

Rt

29

T.H. 100







RC  
JS  
JL  
WM  
FS

April 7, 1961  
RC, 40°

1

# Topography

Silver Lake Rd  
from Co. Rd. "D" to 200' South

2 pages

Lt

Z

Rt

-2+00

Gutter

19 19

+00

Juniper

57

|                     |                     |
|---------------------|---------------------|
| NE Cor Conc<br>Slab | SE Cor Conc<br>Slab |
| +60 <u>33.6</u>     | +75 <u>33.6</u>     |
| Juniper             | NE Cor Ho           |
| +57 <u>69</u>       | +58 <u>74</u>       |
| Hedge               |                     |
| +51 <u>63+</u>      | +68 15' Ent         |

Rt +23

+32 14' Ent

B. Stone Wall

+24 28+1004

+14

18" Maple

56

PP

+16 28

18" pipe

+17 43

-1+00

Gutter

19 19

3" pine

10" Maple

+83 62

+89

41

4" pine

NW Cor Ho

RT +62

+68

63

Twin 10" Maple

12" Maple

+64 74

+64

24

+57 61

+64

24

E. Rd Begin

Cone Carb + Gutter

+31 19-20

+32

Hwy 23

POR

WSO

+18 30

+27

16

(conc)

B. Curbs Gutter

+34

19-20

Breaker Pipe

+27

34

ER

+29

19

POR

MH

+21

26

+21

11

+26

WSO

TGA (MH)

B.R

0+00

+11

BR

52

+12

30

+12

53

RG  
JS  
JK  
WM  
FS

Lt

E

April 7, 1961  
Fair, P.C.  
Pt

2

5.61  
2.9  
8.0

12.4 \* 9.9  
4.5 steps  
4.6  
6.4  
18.4  
4.6  
4.6  
5.1  
44.4

stone wall  
12' high, 14' wide

Silver Lake Rd.

conc. drive

32.3

0.41

11.8

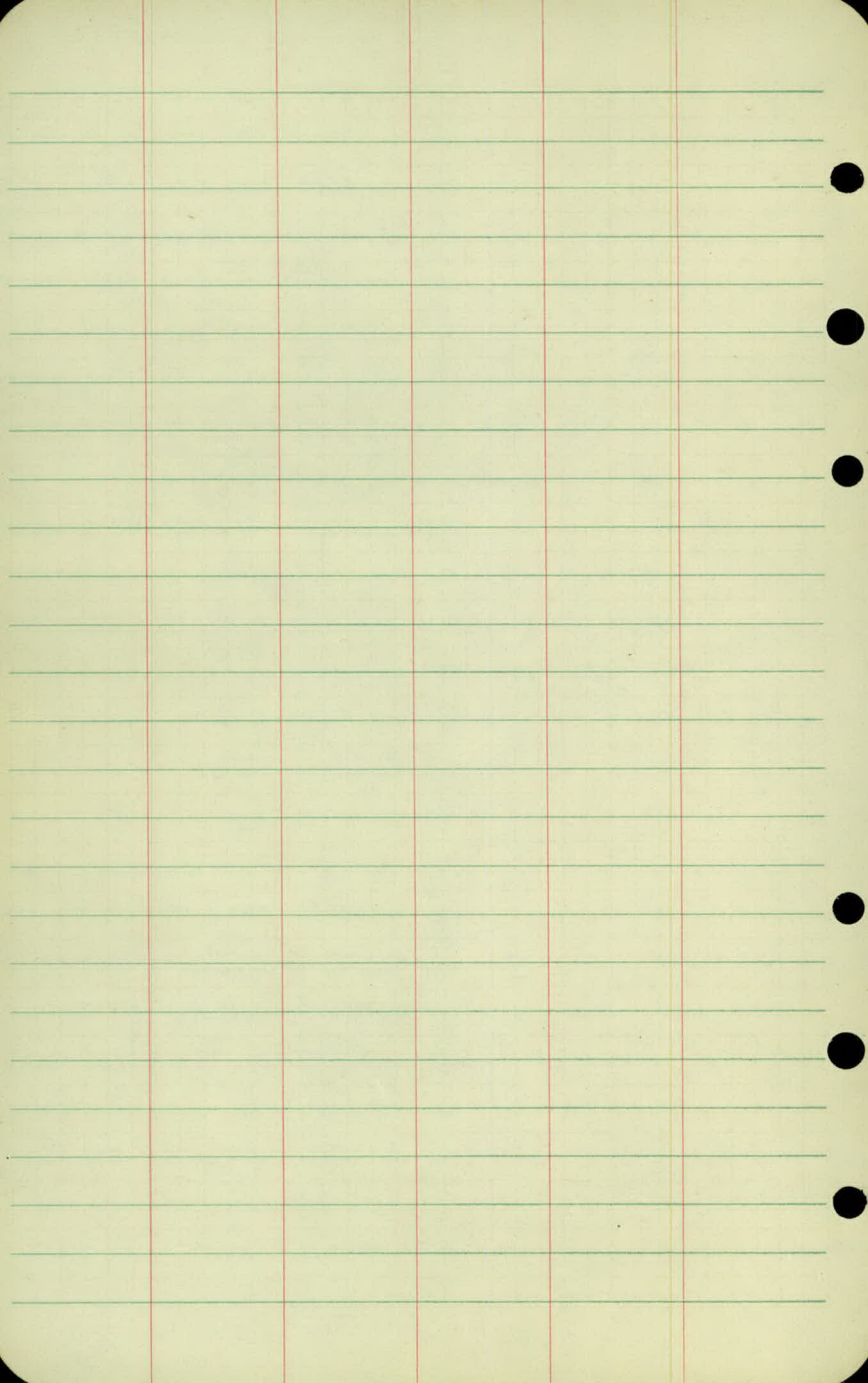
43.2

1-5-5

25.9

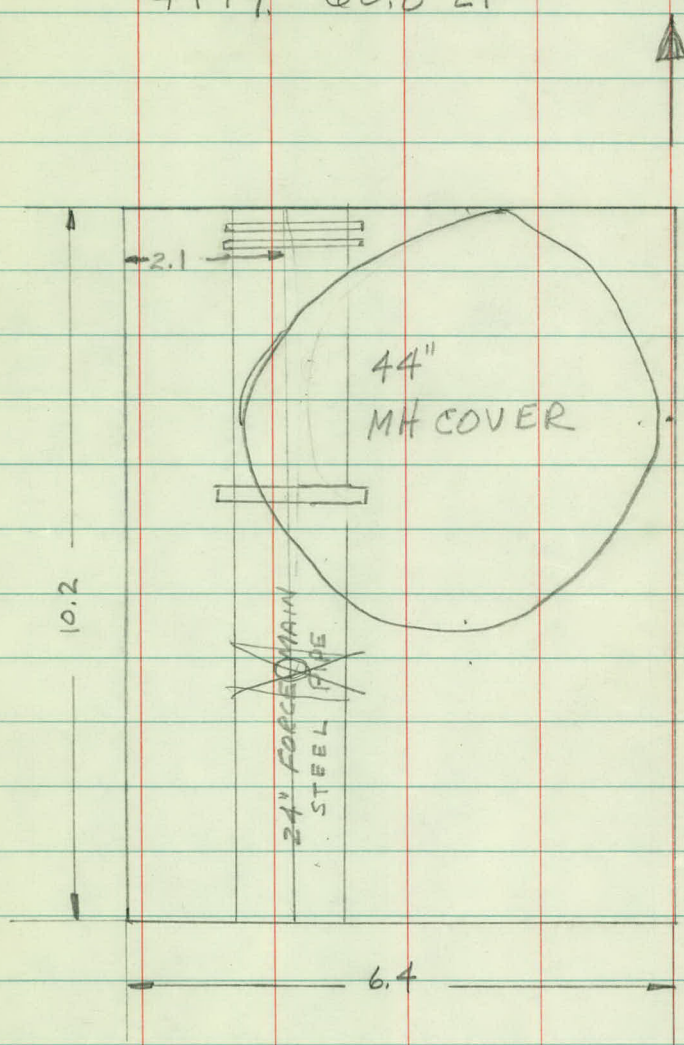
Co. Rd. P.

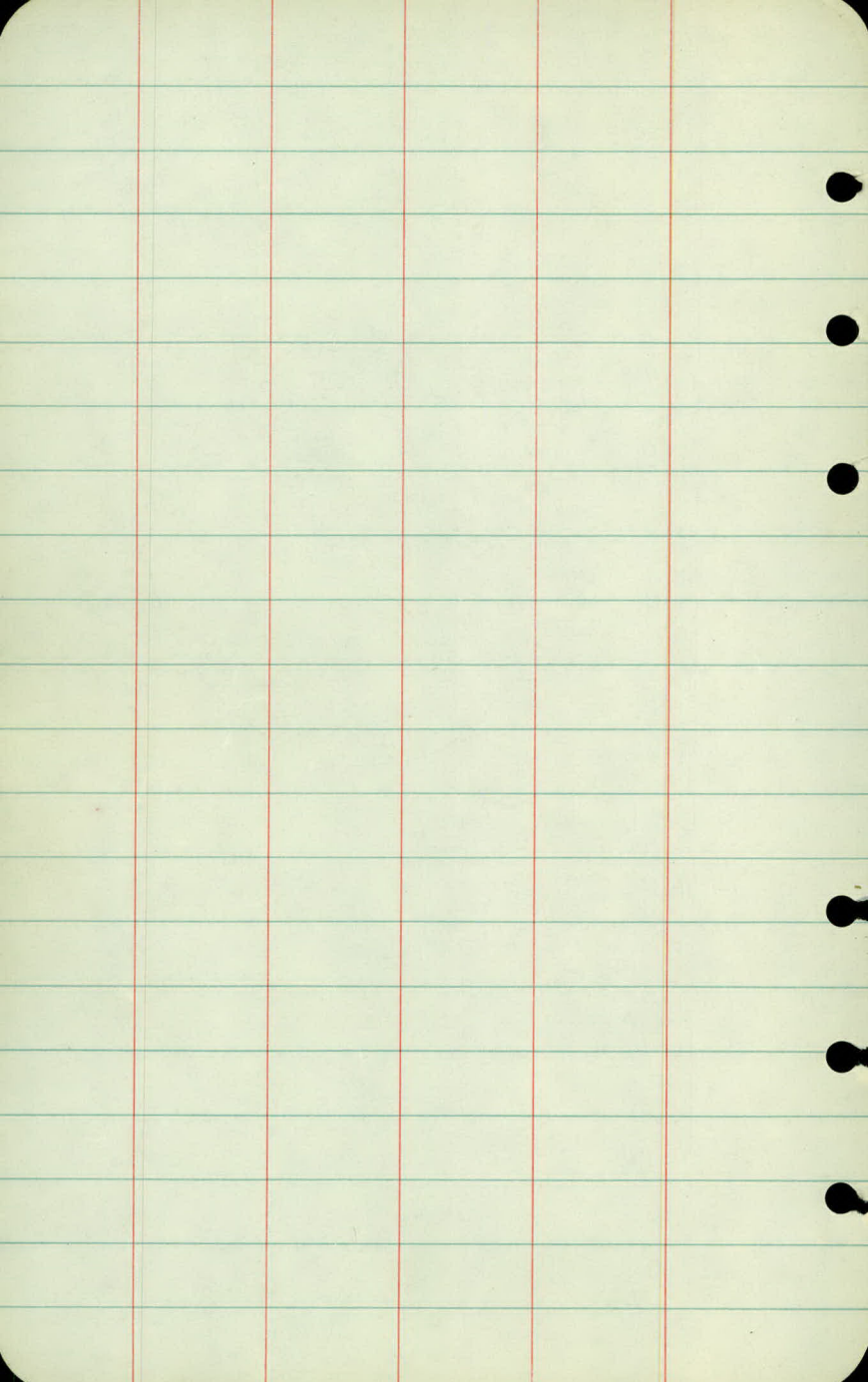




# T.C.A. MANHOLE

4+79.60' 0 LT







Bench Levels  
Silver Lake Rd  
from Co. Rd. "D" to Rice Creek Rd  
3½ Miles

Note: Bench Levels Balanced  
between Lake Level  
Bench Marks

| Sta             | +     | $\pi$               | -     | Elev                              |
|-----------------|-------|---------------------|-------|-----------------------------------|
| BM <sub>1</sub> | 0.30  | 975.73              |       | 975.43                            |
| BM <sub>2</sub> |       |                     | 3.82  | 971.91                            |
| TP <sub>1</sub> | 0.46  | 964.21              | 11.98 | 963.75                            |
| BM <sub>3</sub> | 1.78  | 956.07              | 9.92  | 954.29                            |
| TP <sub>2</sub> | 1.83  | 947.68              | 10.22 | 945.85                            |
| TP <sub>3</sub> | 4.36  | 944.51              | 7.53  | 940.15                            |
| BM <sub>4</sub> |       |                     | 1.60  | 942.91                            |
| BM <sub>5</sub> | 4.78  | 948.48              | 0.81  | 943.70 (943.64)?                  |
| TP <sub>4</sub> | 6.45  | 944.64              | 10.29 | 938.19                            |
| BM <sub>6</sub> |       |                     | 5.86  | 938.78 38.92                      |
| TP <sub>5</sub> | 5.68  | 941.81              | 8.51  | 936.13                            |
| TP <sub>6</sub> | 13.59 | 953.03              | 0.37  | 941.44                            |
| TP <sub>7</sub> | 13.21 | 967.60              | 0.64  | 954.39                            |
| BM <sub>7</sub> |       |                     | 5.02  | 962.58                            |
| BM <sub>8</sub> |       |                     | 5.90  | 961.70 (960.15)                   |
| Bench Check     |       |                     |       | 960.15                            |
| BM <sub>A</sub> | 13.16 | <sup>2</sup> 973.41 |       | 959.25                            |
| BM <sub>2</sub> |       |                     | 0.29  | <sup>2</sup> 973.12 (971.91) 0.21 |

Note: Evident error in BM's 1 & 2 with regard

K6  
JS

March 2, 1960 29  
3° cloudy 2

Top of Breather Pipe NE int. "D" & Silver Lake Rd.

Spike in PP NNE int Co Rd "D" & Silver Lake Rd

Top guard rail post

Top breather pipe SW int. Silver Lake Rd & Sunset Lane

Top So End Culvert

Rock

Spike in PP NW cor Silver Lake Rd & Lake View Dr

Spike in PP E of Int of Silver Lake Rd & Lake View Dr

Post Spike in PP SW cor. Wooden Fe. Ho #3422 Silver Lake Rd

Spike in PP (Bench for Silver Lake W. Lake Levels)

Top breather pipe

Rock

Rock

Top Hyd NE Cor Co Rd "E" & Silver Lake Rd

Spike in PP NE Cor Co Rd "E" & Silver Lake Rd

Top Angle iron - Base E Pier of Tower NE of Cor Silver Lake Rd & Co Rd "D"

Spike in PP NE Cor Silver Lake Rd & Co Rd "D"

to base of Tower (BMA) - 0.21'



# Check levels from "E" back to "D"

| Sta             | +     | $\pi$  | -     | Elev   |          |
|-----------------|-------|--------|-------|--------|----------|
| BM <sub>4</sub> | 0.71  | 962.41 |       | 961.70 |          |
| TP              | 0.16  | 949.17 | 13.40 | 949.01 |          |
| TP              | 4.58  | 941.10 | 12.65 | 936.52 |          |
| TP <sub>5</sub> | 9.35  | 945.50 | 4.95  | 936.15 | (936.13) |
| BM <sub>6</sub> |       |        | 6.69  | 938.81 | (938.78) |
| TP <sub>4</sub> | 9.49  | 947.73 | 7.26  | 938.24 | (938.19) |
| BM <sub>5</sub> | 1.16  | 944.91 | 3.98  | 943.75 | (943.70) |
| TP <sub>3</sub> | 7.14  | 947.34 | 4.71  | 940.20 | (940.15) |
| TP <sub>2</sub> | 11.63 | 957.52 | 1.45  | 945.89 | (945.85) |
| BM <sub>3</sub> |       |        | 3.16  | 954.36 | (954.29) |
| TP              | 11.52 | 964.71 | 4.33  | 953.19 |          |
| TP              | 11.99 | 976.30 | 0.40  | 964.31 |          |
| BM <sub>2</sub> |       |        | 4.36  | 971.94 | (971.91) |

RG  
JS

March 2, 1960  
10°C cloudy  
Snow PM

30  
3

Spike in PP WE cor Silver Lake Rd & Co Rd E

Rock

Rock

Top breather pipe

Spike in PP used for Lake Levels Silver Lake W

Silver Lake Rd

Boat Spike in PP SW Cor wood Fc Ho # 3422

Spike in PP E of Int. of Silver Lake Rd & Lakeview Dr.

Rock

Top So. End of Culvert

Top breather Pipe

Rock

Rock

Spike in PP NE Cor Silver Lake Rd & Co Rd "D"

| Sta                | +     | $\pi$  | -     | Elev.  |               |
|--------------------|-------|--------|-------|--------|---------------|
| BM <sub>1</sub>    | 13.60 | 972.85 |       |        | (959.25)      |
| T.P. <sub>1</sub>  | 4.58  | 977.04 | 0.39  | 972.46 |               |
| BM <sub>2</sub>    |       |        | 4.92  | 972.12 | (23)          |
| BM <sub>1</sub>    |       |        | 1.38  | 975.66 | 43            |
| BM                 | 0.44  | 977.04 | 0.44  | 976.60 | (976.50)      |
| T.P. <sub>2</sub>  | 1.33  | 973.62 | 4.75  | 972.29 |               |
| T.P. <sub>3</sub>  | 0.60  | 961.93 | 12.29 | 961.33 |               |
| T.P. <sub>4</sub>  | 4.98  | 957.64 | 9.27  | 952.66 |               |
| BM <sub>3</sub>    |       |        | 3.11  | 954.53 | 934.29        |
| T.P. <sub>5</sub>  | 1.45  | 949.01 | 10.08 | 947.56 |               |
| T.P. <sub>6</sub>  | 2.04  | 943.93 | 7.12  | 941.89 |               |
| BM                 |       |        | 3.57  | 940.36 |               |
| T.P. <sub>7</sub>  | 6.19  | 947.85 | 2.27  | 941.66 |               |
| BM                 |       |        | 4.33  | 943.52 |               |
| BM <sub>5</sub>    |       |        | 3.91  | 943.94 | (30)<br>43.64 |
| BM <sub>4</sub>    |       |        | 4.70  | 943.15 |               |
| T.P. <sub>8</sub>  | 2.51  | 946.30 | 4.06  | 943.79 |               |
| BM <sub>6</sub>    | 6.40  | 945.41 | 7.29  | 939.01 | (938.92)      |
| T.P. <sub>9</sub>  | 4.51  | 940.83 | 9.09  | 936.32 |               |
| T.P. <sub>10</sub> | 7.81  | 946.50 | 2.14  | 938.69 |               |



FK  
RG  
JS

March 30, 1960  
Cloudy, Cold, Windy, 31°

31

Top Angle iron-Base E. Pier of Tower

NE Corner Silver Lake Rd & "D"

Spike in PP NE Cor "D" & Silver Lake Road

Top Breather Pipe NE Cor "D" & Silver Lake Rd

Top Hyd S.E. Cor "D" & Silver Lake Road

G.R.P.

Sta 7 ±

Sta 10 ±

#19

Top Breather Pipe SW of Ent to Sunset Lane

Top S End <sup>Ent</sup> Culvert

Sta 19 ±

#18

Top Breather pipe S.W. Lakeview Drive & S.L.R.

Sta 26 ±

Spike in PP 100' E of Lakeview Dr & S.L.R.

Nail in PP E of Ent of Lake " " & "

" " " " NE " " " " " & "

Sta 30 ±

Spike in PP (Lake Level Bench)

Breather pipe

Sta 46 ±

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

946.50

|         |       |        |      |        |
|---------|-------|--------|------|--------|
| T.P. 11 | 12.49 | 958.32 | 0.67 | 945.83 |
|---------|-------|--------|------|--------|

|         |      |        |      |        |
|---------|------|--------|------|--------|
| T.P. 12 | 7.73 | 965.39 | 0.66 | 957.66 |
|---------|------|--------|------|--------|

962.62

|      |  |  |      |        |
|------|--|--|------|--------|
| BM 7 |  |  | 2.62 | 962.77 |
|------|--|--|------|--------|

|      |  |  |      |        |
|------|--|--|------|--------|
| BM 8 |  |  | 3.48 | 961.91 |
|------|--|--|------|--------|

1.45  
46

|    |      |        |  |  |
|----|------|--------|--|--|
| BM | 3.71 | 955.68 |  |  |
|----|------|--------|--|--|

951.97

|    |      |        |      |        |
|----|------|--------|------|--------|
| BM | 5.91 | 958.91 | 2.68 | 953.00 |
|----|------|--------|------|--------|

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 7.52 | 951.39 |
|----|--|--|------|--------|

951.39

|      |      |        |      |        |
|------|------|--------|------|--------|
| T.P. | 7.55 | 961.80 | 4.66 | 954.25 |
|------|------|--------|------|--------|

|      |       |        |      |        |
|------|-------|--------|------|--------|
| T.P. | 13.14 | 972.44 | 2.50 | 959.30 |
|------|-------|--------|------|--------|

|      |      |        |      |        |
|------|------|--------|------|--------|
| T.P. | 6.12 | 977.48 | 1.08 | 971.36 |
|------|------|--------|------|--------|

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 2.29 | 975.19 |
|----|--|--|------|--------|

24

|    |      |        |      |        |
|----|------|--------|------|--------|
| BM | 1.83 | 977.96 | 1.35 | 976.13 |
|----|------|--------|------|--------|

976.50

|      |      |        |       |        |
|------|------|--------|-------|--------|
| T.P. | 2.64 | 967.89 | 12.71 | 965.25 |
|------|------|--------|-------|--------|

|      |      |        |      |        |
|------|------|--------|------|--------|
| T.P. | 4.66 | 963.96 | 8.59 | 959.30 |
|------|------|--------|------|--------|

|      |      |        |      |        |
|------|------|--------|------|--------|
| T.P. | 4.34 | 959.83 | 8.47 | 955.49 |
|------|------|--------|------|--------|

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 6.83 | 953.00 |
|----|--|--|------|--------|

March 30, 1960

32

Top S End Culvert

Top Hyd NE Cor Silver Lake Rd & "E"

Spike in PP NE Cor " " " & "

High 40.31

Top Breather Pipe on Co Rd D 600' E of Foss Rd

Top Hyd N.E. Cor "D" & Foss Rd

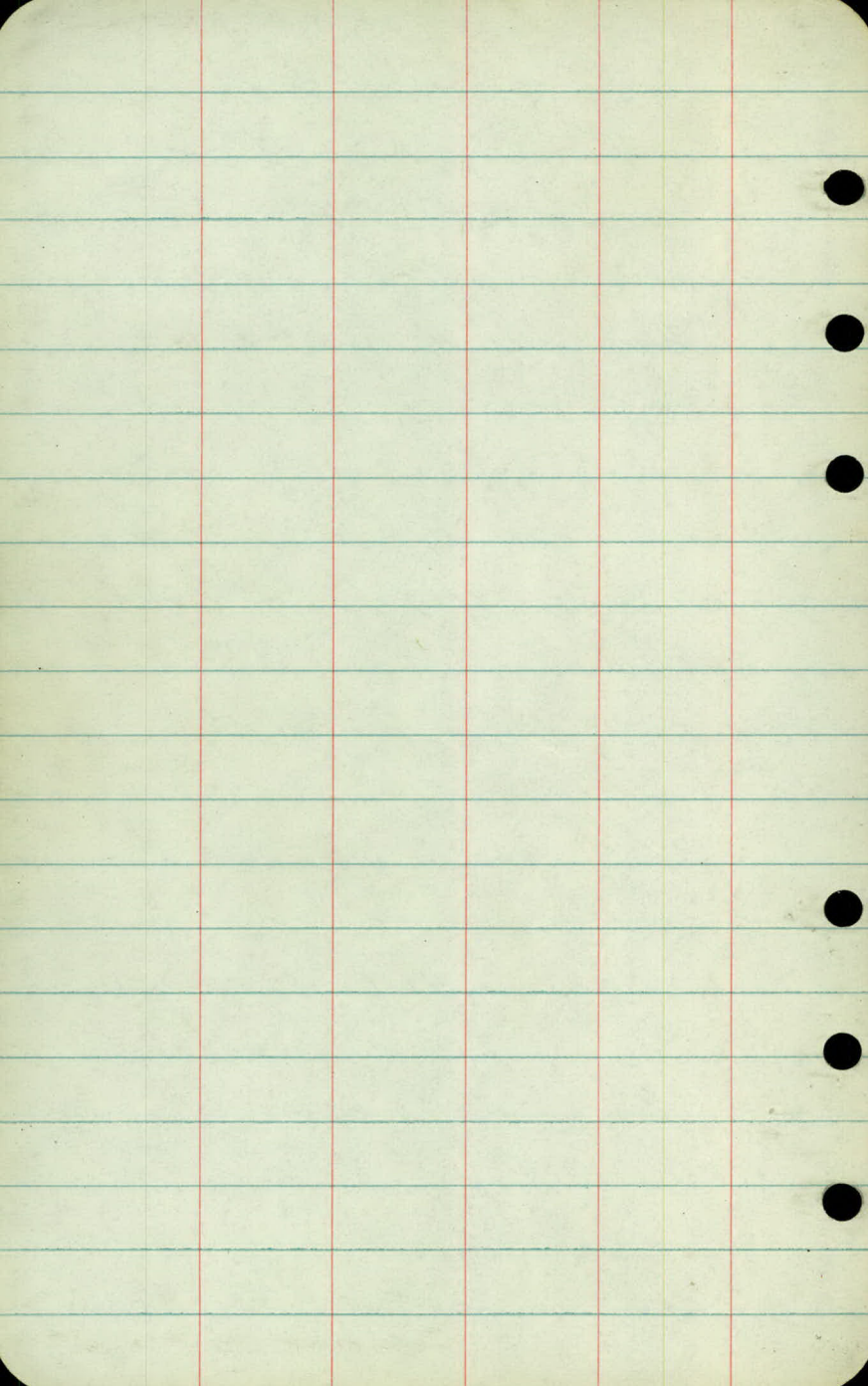
Spike in PP NE Cor D & Foss Rd

Top Breather Pipe S.E. Cor D & Silver Lake Rd

Top Hyd SE Cor D & Silver Lake Rd

Top Hyd NE Cor "D" & Foss Rd





# Bench Levels

Long Lake to Silver Lake

| Sta | +     | $\pi$  | -    | Elev          |
|-----|-------|--------|------|---------------|
| BM  | 4.81  | 881.76 |      | 876.95        |
| BM  |       |        | 4.62 | 877.14 877.03 |
| TP  | 10.80 | 890.54 | 2.02 | 879.74        |
| BM  |       |        | 2.71 | 887.83 888.17 |
| TP  | 8.90  | 895.30 | 4.14 | 886.40        |
| TP  | 12.12 | 906.49 | 0.93 | 894.37        |
| BM  |       |        | 6.11 | 900.38        |
| TP  | 6.60  | 912.20 | 0.89 | 905.60        |
| TP  | 5.12  | 913.03 | 4.29 | 907.91        |
| TP  | 8.75  | 914.56 | 7.22 | 905.81        |
| BM  |       |        | 2.41 | 912.13 911.94 |
| TP  | 5.93  | 919.58 | 0.91 | 913.65        |
| TP  | 4.17  | 920.21 | 3.54 | 916.04        |
| TP  | 9.92  | 929.05 | 1.08 | 919.13        |
| BM  |       |        | 1.77 | 927.28        |
| TP  | 12.67 | 941.01 | 0.71 | 928.34        |
| BM  | 4.93  | 944.05 | 1.89 | 939.12        |
| TP  | 0.27  | 936.50 | 7.82 | 936.83        |
| TP  | 5.45  | 933.29 | 8.66 | 927.84        |
| BM  |       |        | 3.44 | 929.85 929.66 |



FK  
JS  
WM

April 27, 1960 342

Top N End of East Bridge Rail

Top E. Ctr Pillar Bridge Rail

stake

Top New Hyd N.W. Cor Long Lake Rd & <sup>Rice</sup> Creek Road

stone

stone

Top Hyd By Ho #1957 Rice Creek Road

Nail in Mail box Post # 2051

Top E. End Ent Culvert Ho #2239 Rice Creek Road

R.R. Spike in P.P. at Int. of Silver Lake Rd & <sup>Rice</sup> Creek Road

Top SE Cor Conc Ent Rail Ho #1804 Silver <sup>Lake</sup> Rd

Nail in PP

Spike in PP Lt Sta. 47+

± Sta 43

RR Spike ± Sta 39+

R.R. Spike in 24" Cott at Out St

| Sta  | +     | $\Sigma$ | -     | Elev   |                  |
|------|-------|----------|-------|--------|------------------|
| BM   | 12.26 | 941.92   |       |        | 929.85<br>929.66 |
| TP   | 4.21  | 945.53   | 0.60  | 941.32 |                  |
| TP   | 1.91  | 936.36   | 11.08 | 934.45 |                  |
| TP   | 3.62  | 928.45   | 11.53 | 924.83 |                  |
| TP   | 10.33 | 936.34   | 2.44  | 926.01 |                  |
| BM   | 6.03  | 935.42   | 6.95  | 929.39 | 929.58           |
| B.M. | 9.02  | 943.71   | 0.73  | 934.69 | 934.88           |
| TP   | 13.29 | 956.68   | 0.32  | 943.39 |                  |
| T.P. | 8.27  | 964.66   | 0.29  | 956.39 |                  |
| T.P. | 13.43 | 975.98   | 2.11  | 962.55 |                  |
| B.M. | 8.94  | 982.32   | 2.60  | 973.38 | 973.57           |
| T.P. | 11.69 | 990.78   | 3.23  | 979.09 |                  |
| B.M. | 6.99  | 996.82   | 0.95  | 989.83 | 990.02           |
| B.M. | 2.80  | 991.50   | 8.12  | 988.70 | 988.89           |
| B.M. | 4.06  | 988.73   | 6.83  | 984.67 | 984.86           |
| B.M. | 1.20  | 987.53   | 2.40  | 986.33 | 986.52           |
| T.P. | 0.75  | 975.65   | 12.63 | 974.90 |                  |
| T.P. | 3.51  | 965.82   | 13.34 | 962.31 |                  |
| BM   | 12.92 | 970.63   | 8.11  | 957.71 | 957.90           |

May 26, 1960

353

RR Spike in 24" Coll at Oak St

Top N End Ent Culvert

stp

Top N End Ent Culvert Lt 19+25

STH  
0+00 = 100

Spike in P.P. Lt Sta 13+

Spike in PP Lt. STA. 8+20

L STA. 4+00

GRADE STAKE 60' Rt STA 0+00

Rock 25' Lt

NE Rim of MH 35' Lt. 1ST ONE SOUTH OF BTH ST. ABOUT 96+50

WATER SHUT OFF PIPE IN FRONT OF HOUSE 74

FIRE HYDRANT 50' Rt. NE CORNER OF 7<sup>TH</sup> ST. N. W. TOP

FIRE HYDRANT 30' Rt STA 85+10 TOP

FIRE HYDRANT 30' Rt STA 79+05 TOP

FIRE HYDRANT 30' Rt STA 75+45 TOP

Rock 25' Rt STA 73+10

Rock 20' Rt STA 70+50

FIRE HYDRANT 30' Rt STA 68+16 TOP



| STA     | +     | Σ      | -     | ELV.            |
|---------|-------|--------|-------|-----------------|
| (CHECK) |       | 970.63 | 7.47  | 963.16          |
| T.P.    | 13.74 | 981.20 | 3.17  | 967.46          |
| T.P.    | 4.09  | 985.21 | 0.08  | 981.12          |
| B.M.    | 0.47  | 983.40 | 2.28  | 982.93 (983.12) |
| T.P.    | 1.61  | 971.97 | 13.04 | 970.36          |
| B.M.    |       |        | 9.49  | 962.48 (962.62) |
| B.M.    | 1.79  | 913.92 |       | (912.13)        |
| B.M.    |       | 913.92 | 3.52  | 910.40          |
| B.M.    | 0.42  | 911.69 | 2.65  | 911.27          |
| B.M.    | 0.75  | 901.13 | 11.31 | 900.38          |
| T.P.    | 3.06  | 892.81 | 11.38 | 889.75          |
| B.M.    | 0.67  | 888.55 | 4.93  | 887.88          |
| T.P.    | 2.95  | 883.24 | 8.26  | 880.29          |
| B.M.    |       |        | 6.98  | 876.26          |
|         |       |        | 6.20  | 877.04 (896.95) |
|         |       |        | 6.02  | 877.22          |

May 27, 1961

364

BREATHER PIPE GUARD POST N LT STA 68+50 TOP

Rock Rt STA 64+15 DRIVEWAY

Road STA 61+ Edge of PAVEMENT <sup>Rt.</sup>

HYDRANT 30' Rt STA 59+15

Rock Rt Sta 54+40 (Top)

Hyd NE Cor E + Silver Lake Rd

RR SPIKE IN PP AT INT. OF Silver Lake Rd <sup>RICE CREEK ROAD</sup>

Hydrant N side OF RICE CREEK Rd AT INT. OF <sup>SILVER LAKE RD</sup>

Hydrant N side of Rice Creek Rd By Ho #2239

Hydrant N side Rice Creek Rd. By Ho. #1957

STAKE ON N side Rice Creek Rd.

Hydrant N.W cor. Long Lake Rd & Rice Creek Rd

Nail in guide pole W side Long Lake Rd.

Hydrant on E side Long Lake Rd. By Ho. #2080

NE corner OF TOP Bridge Rail

LAKE Level Bench

| Sta  | +     | $\pi$  | -     | Elev.  |
|------|-------|--------|-------|--------|
| BM   | 6.43  | 897.19 |       | 890.76 |
| T.P. | 10.92 | 907.46 | 0.65  | 896.54 |
| T.P. | 6.38  | 911.85 | 1.99  | 905.47 |
| B.M. |       |        | 3.70  | 908.15 |
| T.P. | 8.93  | 912.78 | 8.00  | 903.85 |
| BM   |       |        | 6.16  | 906.62 |
| TP   | 4.82  | 917.33 | 0.27  | 912.51 |
| BM   |       |        | 3.38  | 913.95 |
| TP   | 9.05  | 925.52 | 0.86  | 916.47 |
| BM   |       |        | 5.91  | 919.61 |
| BM   | 0.88  | 922.85 | 3.55  | 921.97 |
| BM   | 0.69  | 912.82 | 10.72 | 912.13 |
| TP   | 0.59  | 899.99 | 13.42 | 899.40 |
| BM   |       |        | 2.79  | 897.20 |
| TP   | 1.46  | 889.20 | 12.25 | 887.74 |
| BM   | 2.65  | 887.92 | 3.93  | 885.27 |
| BM   | 6.92  | 892.12 | 2.72  | 885.20 |
| BM   | 10.48 | 890.04 | 2.56  | 889.56 |
| BM   | 10.79 | 910.28 | 0.55  | 899.49 |
|      |       |        | 5.19  | 905.09 |



May 27, 1960 375

Top Hyd S.W. Cor Co Rd F & Long Lake Rd.

N. End Ent Culvert

Top Hyd 630' S. of Co Rd F & Long Lake Rd.

Top Hyd SE Cor Long Lake Rd & Cemetery Rd.

Top Hyd 7<sup>th</sup> St. NW + 9<sup>th</sup> Ave No. <sup>(Cemetery Rd)</sup>

Top Hyd S.W. Cor 10<sup>th</sup> Ave N.W. + 7<sup>th</sup> St N.W.

Top Hyd S.W. Cor 11<sup>th</sup> Ave N.W. & 7<sup>th</sup> St. N.W.

Top Hyd S.W. Cor 12<sup>th</sup> Ave NW + 7<sup>th</sup> St N.W.

Top Hyd SW Cor 13<sup>th</sup> Ave NW & 7<sup>th</sup> St N.W.

Rock

Top Hyd <sup>Across from</sup> ~~Fig~~ No #690 Cemetery Road 14<sup>th</sup>

Top Hyd NE Cor 15

Top Hyd S.W. Cor (7-0) 16<sup>th</sup>

Top Hyd N.W. Cor Cemetery Rd &  
" " S.W. Cor. " " &

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

910.28

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 13.31 | 922.45 | 9.14 | 909.14 |
|----|-------|--------|------|--------|

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 4.65 | 917.80 |
|----|--|--|------|--------|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 13.75 | 935.57 | 0.63 | 921.82 |
|----|-------|--------|------|--------|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 13.17 | 948.19 | 0.55 | 935.02 |
|----|-------|--------|------|--------|

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 8.57 | 939.62 |
|----|--|--|------|--------|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 13.32 | 960.52 | 0.99 | 947.20 |
|----|-------|--------|------|--------|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| BM | 13.74 | 972.47 | 1.79 | 958.73 |
|----|-------|--------|------|--------|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 12.46 | 984.80 | 0.33 | 972.14 |
|----|-------|--------|------|--------|

|    |      |        |      |        |
|----|------|--------|------|--------|
| TP | 6.33 | 989.43 | 1.50 | 983.10 |
|----|------|--------|------|--------|

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 1.27 | 988.16 |
|----|--|--|------|--------|

FX  
WM

May 31, 1960

38  
6

Top Hyd S.W. Cor Cemetery Rd &  
stone

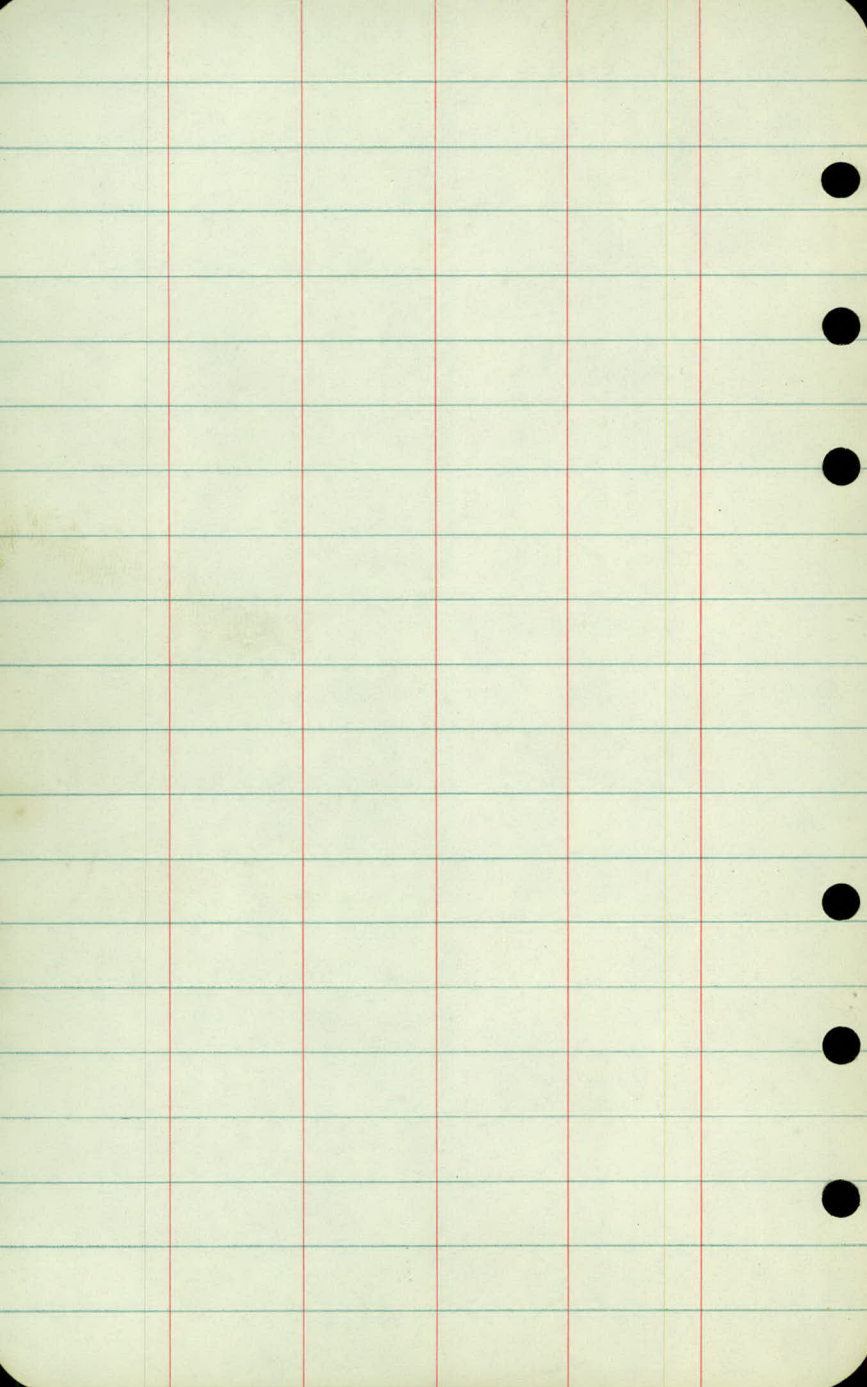
Top Hyd S.W. Cor Cemetery Rd &  
stone

By 2021

Top Hyd S.W. Cor Cemetery Rd & 23<sup>rd</sup> Ave N.W.

Top Hyd NE Cor Cemetery Rd & Silver Lake Rd





RG  
JS  
JL  
FS  
WM

Jan 30, 1961  
cloudy, 5°

39  
/

Silver Lake Rd  
Additional X-Sections

| Sta  | +    | $\pi$  | -    | Elev   |
|------|------|--------|------|--------|
| BM   | 8.54 | 963.07 |      | 954.53 |
| T.P. | 7.34 | 965.63 | 4.78 | 958.29 |

7+63

7+73

7+82

7+92

8+00



Lt

E

Rt. E

40

2

Top Breather pipe

Sunset Lane + Silver L. Rd

Top Guardrail Post 0 Sta 8+00 ± 15' RC

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 65.2 | 64.5 | 64.3 | 58.1 | 58.0 | 58.1 |
| 0.4  | 1.1  | 1.3  | 7.5  | 7.6  | 7.5  |
| 80   | 60   | 29   | 16   | 10   |      |

66.1  
+0.5

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 100  | 65.1 | 64.6 | 64.1 | 57.6 | 57.6 | 57.7 |
| 5.8  | 6    | 6    | 6    | 5    | 5    | 5    |
| +0.2 | 0.5  | 1.0  | 1.5  | 8.0  | 8.0  | 7.9  |
| 100  | 80   | 60   | 28   | 16   | 10   |      |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 66.0 | 65.2 | 64.1 | 63.9 | 57.1 | 57.2 | 57.3 |
| +0.4 | 0.4  | 1.5  | 1.7  | 8.5  | 8.4  | 8.3  |
| 96   | 80   | 54   | 28   | 15   | 10   |      |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 65.9 | 65.2 | 64.0 | 63.7 | 56.9 | 56.7 | 56.6 |
| +0.3 | 0.4  | 1.6  | 1.9  | 8.7  | 8.9  | 8.8  |
| 98   | 80   | 54   | 26   | 16   | 10   |      |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 65.8 | 65.2 | 62.7 | 62.5 | 62.4 | 62.4 | 62.4 | 56.5 |
| +0.2 | 0.4  | 1.9  | 2.2  | 9.2  | 9.2  | 9.1  |      |
| 98   | 80   | 51   | 28   | 16   | 10   |      |      |

Sta

St

X

-

ELL.

965.63

8+28

✓

+50

+80

✓

9+00





Sta

+

$\pi$

-

ELV.

965.63

9400

11.11

954.52

954.53

Lt

E

Rt

42  
4

63.2

64.1

~~✓~~~~✓~~

57.8

57.9

57.3

50.9

2.4

1.5

7.8

7.7

8.3

14.7

80

100

100

87

64

51

Top Breather Pipe Silver Lake &amp; Sunset

| Sta   | +    | $\pi$  | - | ELV.   |
|-------|------|--------|---|--------|
|       | 4.48 | 944.84 |   | 940.36 |
| 22+00 |      |        |   |        |
| ✓     |      |        |   |        |
| +35   |      |        |   |        |
| ✓     |      |        |   |        |
| +63   |      |        |   |        |
| ✓     |      |        |   |        |



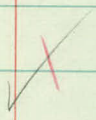
Lt

E R.

Top Breaker Pipe Skid Silver & Lakeview

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 41.9 | 41.6 | 39.8 | 39.6 | 40.5 | 40.7 | 40.7 |
| 2.9  | 3.2  | 5.0  | 5.2  | 4.3  | 4.1  | 4.1  |
| 54   | 29   | 23   | 19   | 14   | 9    |      |

|      |      |      |
|------|------|------|
| 42.8 | 43.1 | 43.2 |
| 2.0  | 1.7  | 1.6  |
| 64   | 80   | 100  |



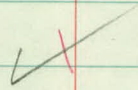
|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 41.3 | 41.0 | 39.6 | 39.5 | 40.4 | 40.4 | 40.4 |
| 3.5  | 3.8  | 5.2  | 5.3  | 4.4  | 4.4  | 4.4  |
| 42   | 29   | 24   | 19   | 15   | 10   |      |

|      |      |      |      |      |
|------|------|------|------|------|
| 41.4 | 42.2 | 42.8 | 42.8 | 43.1 |
| 3.4  | 2.6  | 2.0  | 2.0  | 1.8  |
| 53   | 61   | 74   | 80   | 100  |



|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 41.3 | 40.5 | 39.5 | 39.3 | 40.1 | 40.2 | 40.3 |
| 3.5  | 4.3  | 5.3  | 5.5  | 4.9  | 4.6  | 4.5  |
| 43   | 29   | 24   | 19   | 16   | 10   |      |

|      |      |      |
|------|------|------|
| 42.3 | 42.9 | 43.2 |
| 2.5  | 1.9  | 1.6  |
| 72   | 80   | 100  |



Sta

+

T

-

ELV.

944.84

+14

✓

23+00

✓

139

✓

Lt

E

44  
6

41.4

40.2

39.5

39.3

40.0

40.0

40.2

3.4

4.6

5.3

5.5

4.8

4.8

4.6

41

27

21

19

16

10

42.2

42.8

43.2

2.6

2.0

1.6

60

80

100

41.5

41.3

39.8

39.2

39.2

39.8

39.9

39.9

40.0

3.1

3.5

5.0

5.6

5.6

5.0

4.9

4.8

62

39

27

24

19

16

10

42.3

43.4

2.5

1.4

80

100

39.7

39.3

38.8

38.6

39.4

39.6

39.7

5.1

5.5

6.0

6.2

5.4

5.2

5.1

55

42

31

22

16

10

41.6

42.0

42.9

3.2

2.8

1.9

72

80

100

Sta +  $\pi$  - ELEV

944.84

+44

✓

+59

M.H 651+ 5.25 939.59

+70

✓

24+00

✓



|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 39.4 | 39.0 | 38.5 | 38.8 | 39.4 | 39.6 | 39.7 |
| 5.4  | 5.8  | 6.3  | 6.0  | 5.4  | 5.2  | 5.1  |
| 56   | 41   | 27   | 20   | 16   | 10   |      |

|      |      |      |
|------|------|------|
| 41.3 | 41.7 | 42.7 |
| 3.5  | 3.1  | 2.1  |
| 73   | 80   | 100  |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 39.9 | 39.0 | 38.6 | 38.1 | 39.4 | 39.5 | 39.6 |
| 4.9  | 5.8  | 6.2  | 6.7  | 5.4  | 5.3  | 5.2  |
| 65   | 56   | 39   | 27   | 16   | 10   |      |

|      |      |
|------|------|
| 41.5 | 42.2 |
| 3.3  | 2.6  |
| 80   | 100  |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 40.5 | 38.7 | 38.3 | 37.8 | 38.9 | 39.5 | 39.5 |
| 4.3  | 6.1  | 6.5  | 7.0  | 5.9  | 5.3  | 5.3  |
| 64   | 54   | 40   | 24   | 20   | 9    |      |

|      |      |
|------|------|
| 40.9 | 41.2 |
| 3.9  | 3.6  |
| 80   | 100  |

Sta

+

$\pi$

-

ELV.

944.84

24+50

✓

+70

✓

26+02

BM

4.48

940.36

(940.36)

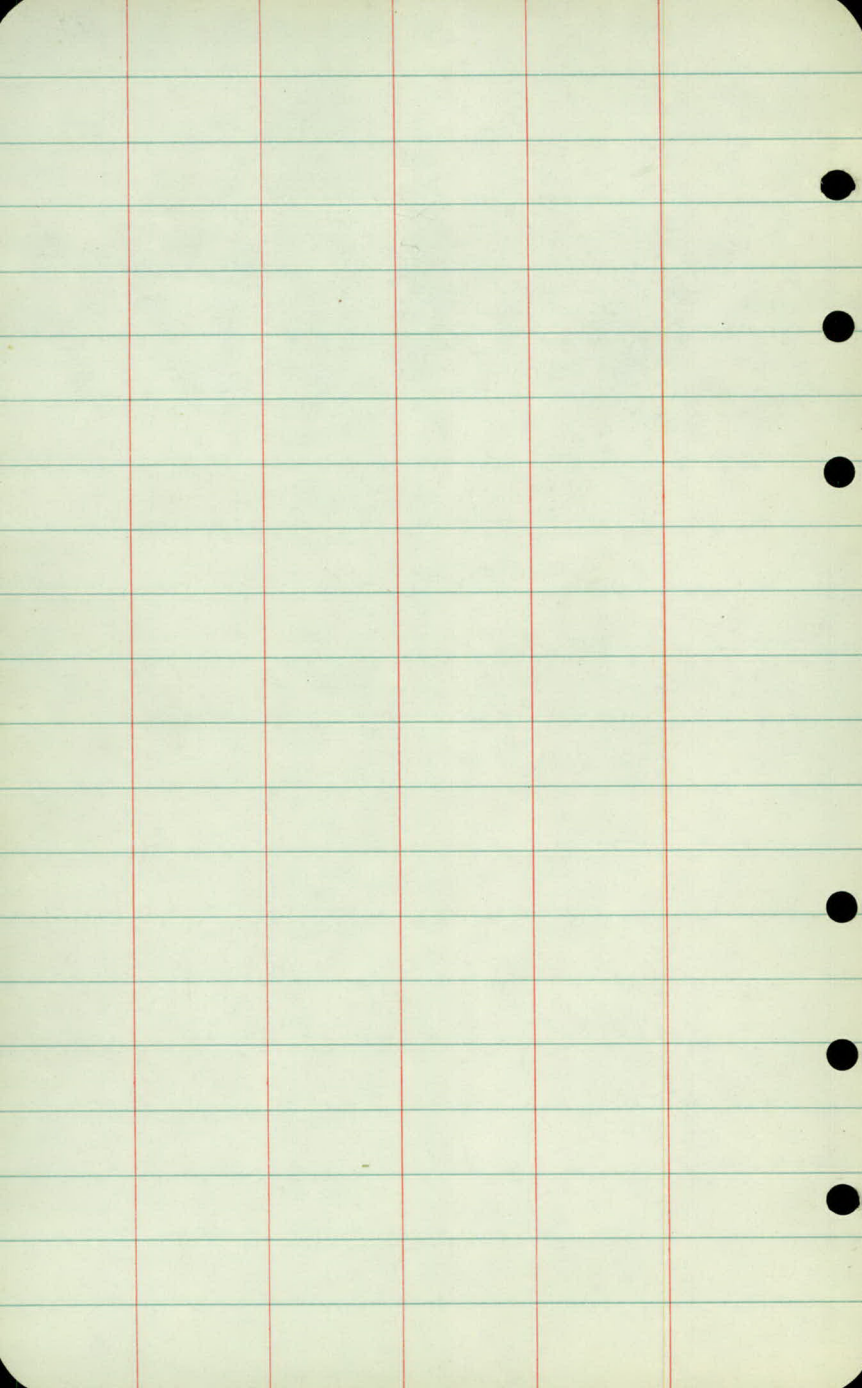
46  
8

LT

10

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 39.5 | 40.0 |      |      |      |      |      |
| 5.3  | 4.8  | 6.6  | 6.7  | 6.7  | 5.2  | 5.1  |
| 70   | 61   | 46   | 41   | 29   | 20   | 10   |
| 39.5 | 38.2 | 38.1 | 38.1 | 39.6 | 39.7 | 39.6 |
| 5.3  | 5.3  | 4.9  |      |      |      |      |
| 80   |      |      |      |      |      |      |
| 100  |      |      |      |      |      |      |
| 40.1 | 38.1 | 37.9 | 39.4 | 39.8 | 39.8 | 39.8 |
| 4.7  | 6.7  | 6.9  | 5.4  | 5.0  | 5.0  | 5.0  |
| 62   | 43   | 29   | 20   | 15   | 10   |      |
| 39.5 | 39.9 |      |      |      |      |      |
| 5.3  | 4.9  |      |      |      |      |      |
| 80   | 100  |      |      |      |      |      |
| 43.1 | 42.7 | 42.2 | 41.9 | 41.9 | 41.8 | 41.7 |
| 1.7  | 2.1  | 2.6  | 2.9  | 2.9  | 3.0  | 3.1  |
| 100  | 80   | 61   | 39   | 24   | 8    |      |

Top Breather pipe #18





X-Sections

Sta +  $\pi$  - Elev

BM 0.25 976.75

976.50

-200

-150

-100

-50

-33

-21

3.34 973.39

-11

4.00 972.75

FK  
JS  
JL  
JH  
WM

4 April 23, 1960 48

Lt

Rt

Top Hyd SE Cor "D" & Silver Lake Rd

|    |      |  |       |  |      |    |
|----|------|--|-------|--|------|----|
|    | 76.5 |  | 76.75 |  | 76.5 |    |
|    | 0.3  |  | 0.00  |  | 0.3  |    |
| 20 | 19'  |  |       |  | 19   | 20 |
| C  | G    |  |       |  | G    | C  |

|    |      |  |      |  |      |     |
|----|------|--|------|--|------|-----|
|    | 76.1 |  | 76.0 |  | 75.7 |     |
|    | 0.7  |  | 0.8  |  | 1.1  | 0.7 |
| 20 | 19   |  |      |  | 19   | 20  |
| C  | G    |  |      |  | G    | C   |

|    |      |  |      |  |      |     |
|----|------|--|------|--|------|-----|
|    | 75.2 |  | 75.5 |  | 74.8 |     |
|    | 1.6  |  | 1.3  |  | 2.0  | 1.5 |
| 20 | 19   |  |      |  | 20   | 19  |
| C  | G    |  |      |  | G    | C   |

|    |       |  |      |  |       |      |
|----|-------|--|------|--|-------|------|
|    | 74.27 |  | 74.6 |  | 73.92 |      |
|    | 2.48  |  | 2.2  |  | 2.83  | 2.42 |
| 20 | 19    |  |      |  | G     | C    |
| C  | G     |  |      |  | 19    | 20   |

|    |       |  |      |  |       |      |
|----|-------|--|------|--|-------|------|
|    | 73.93 |  | 74.2 |  | 73.53 |      |
|    | 2.82  |  | 2.6  |  | 3.20  | 2.79 |
| 20 | 19    |  |      |  | 19    | 20   |
| C  | G     |  |      |  | G     | C    |

Top MH 11' Lt

Top MH 30.5' Lt

Sta +  $\pi$  - Elev.

976.75

0+00

✓

+10

✓

+23



April 27, 1960

49

3

LT

RT

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 72.0 | 72.6 | 72.9 | 72.8 | 73.1 | 73.4 | 73.8 | 73.9 | 73.9 | 73.8 |
| 48   | 42   | 39   | 40   | 37   | 34   | 30   | 29   | 29   | 30   |
| 54   | 41   | 24   | 16   |      | 12   | 36   | 59   | 82   | 100  |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 71.3 | 71.1 | 69.7 | 69.6 | 72.5 | 72.7 | 73.1 | 73.4 | 73.6 |
| 55   | 57   | 71   | 92   | 43   | 41   | 37   | 34   | 32   |
| 90   | 100  | 150  | 200  | 200  | 186  | 169  | 145  | 122  |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 71.3 | 72.1 | 72.6 | 72.9 | 73.0 | 73.1 | 73.5 | 73.5 |
| 55   | 47   | 42   | 39   | 38   | 37   | 33   | 33   |
| 68   | 39   | 19   |      | 13   | 29   | 52   | 78   |

|      |      |      |
|------|------|------|
| 70.9 | 70.6 | 73.5 |
| 59   | 62   | 33   |
| 86   | 100  | 100  |

|      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|-------|
| 70.5 | 71.1 | 71.8 | 72.5 | 72.7 | 72.6 | 72.5 | 72.6 | 72.75 |
| 63   | 57   | 50   | 43   | 41   | 42   | 43   | 42   | 400   |
| 57   | 44   | 27   | 11   |      | 9    | 17   | 28   | 38    |

|      |      |      |      |      |
|------|------|------|------|------|
| 70.4 | 70.4 | 73.3 | 73.3 | 73.3 |
| 64   | 64   | 35   | 35   | 35   |
| 88   | 100  | 100  | 82   | 63   |

Sta +  $\pi$  - E

976.75

0+33

✓

+60

✓

+77

✓

+95

April 23, 1960 50

LT

BT

4

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 70.9 | 71.5 | 71.8 | 72.3 | 72.5 | 72.4 | 72.5 | 72.9 | 73.3 | 73.5 |
| 5.9  | 5.3  | 5.0  | 4.5  | 4.3  | 4.4  | 4.3  | 3.9  | 3.5  | 3.40 |
| 42   | 26   | 19   | 10   | 11   | 26   | 42   | 67   | 80   |      |

Conc

|      |      |      |      |
|------|------|------|------|
| 69.8 | 69.4 | 69.4 | 69.7 |
| 7.0  | 7.4  | 7.4  | 7.1  |
| 61   | 74   | 88   | 100  |

|      |       |
|------|-------|
| 73.4 | 73.46 |
| 3.4  | 3.29  |
| 100  | 98    |

Conc

|      |      |      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|------|------|-------|
| 68.2 | 69.2 | 69.4 | 70.8 | 71.8 | 72.2 | 71.9 | 72.1 | 72.8 | 73.4 | 73.67 |
| 8.6  | 7.6  | 7.4  | 6.0  | 5.0  | 4.6  | 4.9  | 4.7  | 4.0  | 3.4  | 3.18  |
| 58   | 40   | 27   | 19   | 11   | 11   | 23   | 44   | 65   | 79   |       |

Conc

|      |      |
|------|------|
| 68.2 | 68.2 |
| 8.6  | 8.6  |
| 70   | 100  |

|      |       |
|------|-------|
| 73.8 | 73.74 |
| 3.0  | 3.01  |
| 100  | 97    |

|      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|-------|
| 68.5 | 68.7 | 70.9 | 71.7 | 71.9 | 71.7 | 71.6 | 72.1 | 72.59 |
| 8.3  | 8.1  | 5.9  | 5.1  | 4.9  | 5.1  | 5.2  | 4.7  | 4.22  |
| 38   | 27   | 19   | 11   | 11   | 18   | 27   | Conc | 33    |

|      |      |      |
|------|------|------|
| 69.2 | 68.7 | 67.1 |
| 7.6  | 8.1  | 9.7  |
| 57   | 74   | 100  |

|       |       |
|-------|-------|
| 73.62 | 73.02 |
| 3.13  | 3.72  |
| 72    | 51    |

Conc

72.31  
4.54  
33  
Cor Conc

Sta +  $\pi$  - Elev

976.75

1

✓

+25

✓

+4.8

✓



Lt

2 April 27, 1960

RT

51

5

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 68.0 | 70.9 | 71.1 | 71.5 | 71.6 | 71.4 | 71.4 | 71.9 | 72.5 | 73.1 |
| 8.8  | 5.9  | 5.7  | 5.3  | 5.2  | 5.4  | 5.4  | 4.9  | 4.3  | 3.7  |
| 27   | 19   | 15   | 11   |      | 10   | 19   | 33   | 50   | 72   |
| 67.8 | 68.4 | 68.6 | 67.4 | 66.3 |      |      |      |      |      |
| 9.0  | 8.4  | 8.2  | 9.4  | 10.5 |      |      |      |      |      |
| 37   | 53   | 67   | 85   | 100  |      |      |      |      |      |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 67.3 | 66.7 | 70.6 | 71.2 | 71.4 | 71.3 | 71.2 | 71.8 | 71.4 |
| 9.5  | 10.1 | 6.2  | 5.6  | 5.4  | 5.5  | 5.6  | 5.0  | 5.4  |
| 52   | 31   | 18   | 11   |      | 10   | 24   | 45   | 51   |

|      |      |      |
|------|------|------|
| 67.7 | 66.6 | 65.5 |
| 9.1  | 10.2 | 11.3 |
| 69   | 85   | 100  |

|      |      |      |      |
|------|------|------|------|
| 68.9 | 69.9 | 70.7 | 71.2 |
| 7.9  | 6.9  | 6.1  | 5.6  |
| 100  | 96   | 83   | 67   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 65.6 | 70.3 | 70.9 | 71.2 | 71.3 | 71.2 | 70.8 | 70.7 | 70.3 | 70.2 |
| 11.2 | 6.5  | 5.9  | 5.6  | 5.5  | 5.6  | 6.0  | 6.1  | 6.5  | 6.6  |
| 32   | 19   | 15   | 11   |      | 12   | 17   | 23   | 34   | 46   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 64.9 | 65.8 | 66.0 | 65.5 | 65.8 | 66.9 | 67.5 | 68.7 | 69.9 |
| 11.9 | 11.0 | 10.8 | 11.3 | 11.0 | 9.9  | 9.3  | 8.1  | 6.9  |
| 42   | 50   | 68   | 85   | 100  | 86   | 73   | 64   | 58   |

|      |
|------|
| 64.7 |
| 12.1 |
| 100  |

Sta +  $\pi$  - Elev.

976.75

1 + 65

✓

2

✓

+30

+60

TP 5.86 976.58 6.03 970.72

April 28, 1960 52  
RT 6

LT

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 64.3 | 70.4 | 70.9 | 71.2 | 71.2 | 71.2 | 70.9 | 68.6 | 64.4 |
| 12.5 | 6.4  | 5.9  | 5.6  | 5.6  | 5.6  | 5.9  | 8.2  | 12.4 |
| 35   | 19   | 15   | 11   | 5    | 14   | 19   | 25   | 36   |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 63.8 | 64.8 | 64.8 | 64.3 | 62.5 | 63.2 | 64.2 | 63.9 |
| 13.0 | 12.0 | 12.0 | 12.5 | 14.3 | 13.6 | 12.6 | 12.9 |
| 47   | 64   | 79   | 100  | 100  | 80   | 63   | 49   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 61.4 | 70.3 | 70.9 | 71.2 | 71.2 | 71.1 | 70.8 | 66.2 | 62.1 |
| 15.4 | 6.5  | 5.9  | 5.6  | 5.6  | 5.7  | 6.0  | 10.6 | 14.7 |
| 40   | 19   | 15   | 11   | 14   | 19   | 27   | 37   |      |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 60.9 | 62.4 | 62.7 | 59.3 | 58.6 | 59.5 |
| 15.9 | 14.4 | 14.1 | 17.5 | 18.2 | 17.3 |
| 56   | 76   | 100  | 100  | 79   | 52   |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 64.5 | 70.5 | 71.0 | 71.0 | 71.2 | 71.0 | 70.9 | 65.6 |
| 12.3 | 6.3  | 5.8  | 5.8  | 5.6  | 5.8  | 5.9  | 11.2 |
| 30   | 19   | 11   | 8    | 14   | 18   | 27   |      |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 64.3 | 70.4 | 70.8 | 70.9 | 71.0 | 71.0 | 70.7 | 64.6 |
| 12.5 | 6.4  | 6.0  | 5.9  | 5.8  | 5.8  | 6.1  | 12.2 |
| 30   | 19   | 14   | 8    | 14   | 18   | 29   |      |

Sta +  $\pi$  - Elev.

976.58

2+92

3

+18

+25

+35

+56



2 April 27, 1960

53

LH

RT

7

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 63.9 | 70.1 | 70.5 | 70.7 | 71.0 | 70.8 | 70.5 | 66.2 |
| 12.7 | 6.5  | 6.1  | 5.9  | 5.6  | 5.8  | 6.1  | 10.4 |
| 30   | 19   | 15   | 9    |      | 14   | 19   | 27   |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 63.4 | 70.2 | 70.8 | 71.0 | 70.7 | 70.3 | 64.8 |
| 13.2 | 6.4  | 5.8  | 5.6  | 5.9  | 6.3  | 11.8 |
| 30   | 19   | 10   |      | 14   | 19   | 29   |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 63.2 | 70.4 | 70.9 | 71.1 | 70.8 | 69.5 | 64.5 |
| 13.4 | 6.2  | 5.7  | 5.5  | 5.8  | 7.1  | 12.1 |
| 30   | 18   | 12   |      | 14   | 18   | 29   |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 63.6 | 69.8 | 70.8 | 71.1 | 70.8 | 69.5 | 64.0 |
| 13.0 | 6.8  | 5.8  | 5.5  | 5.8  | 7.1  | 12.6 |
| 30   | 19   | 14   |      | 14   | 20   | 30   |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 63.3 | 70.3 | 70.9 | 71.2 | 70.9 | 70.3 | 64.4 |
| 13.3 | 6.3  | 5.7  | 5.4  | 5.7  | 6.3  | 12.2 |
| 30   | 18   | 14   |      | 14   | 19   | 30   |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 64.0 | 69.6 | 70.9 | 71.4 | 71.2 | 69.8 | 64.4 |
| 12.6 | 7.0  | 5.7  | 5.2  | 5.4  | 6.8  | 12.2 |
| 30   | 20   | 15   |      | 14   | 21   | 30   |

Sta +  $\pi$  - Elev

976.58

3+68 Abutment

4

+50

+79 Abutment

✓

5

2 April 127, 1960 54

LT

RT

8

|      |      |      |      |      |        |      |      |      |
|------|------|------|------|------|--------|------|------|------|
| 62.6 | 65.3 | 68.6 | 71.1 | 71.4 | 71.5 ✓ | 71.4 | 69.6 | 64.0 |
| 140  | 11.3 | 8.0  | 5.5  | 5.2  | 5.1    | 5.2  | 70   | 12.6 |
| 30   | 24   | 23   | 17   | 15   |        | 15   | 20   | 29   |

|      |        |      |
|------|--------|------|
| 71.5 | 71.5 ✓ | 71.3 |
| 5.1  | 5.1    | 5.3  |
| 15   |        | 15   |

|      |        |      |
|------|--------|------|
| 71.4 | 71.6 ✓ | 71.4 |
| 5.2  | 5.0    | 5.2  |
| 15   |        | 15   |

|      |      |      |      |        |      |      |      |      |
|------|------|------|------|--------|------|------|------|------|
| 67.3 | 68.7 | 71.2 | 71.5 | 71.5 ✓ | 71.4 | 70.6 | 64.1 | 64.7 |
| 9.3  | 29   | 5.4  | 5.1  | 5.1    | 5.2  | 6.0  | 10.5 | 11.9 |
| 23+  | 23   | 17.5 | 15   | 15     | 15   | 17   | 23   | 27   |

|      |      |
|------|------|
| 66.9 | 69.5 |
| 9.7  | 13.1 |
| 24.5 | 30   |

|      |      |      |        |      |      |      |      |
|------|------|------|--------|------|------|------|------|
| 64.2 | 64.5 | 70.9 | 71.1 ✓ | 70.8 | 69.9 | 67.7 | 63.0 |
| 124  | 21   | 5.7  | 5.5    | 5.8  | 6.7  | 8.9  | 13.6 |
| 30   | 19   | 11   |        | 11   | 17   | 23   | 32   |

Sta +  $\pi$  - Elev

976.58

5 + 50

TP 2.11 968.77 9.92 966.66

6

+ 50

7

+ 50

TP 1.93 958.44 12.26 956.51

+ 82



2 April 27, 1960 55

LT

RT

9

sta 6 E

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 62.6 | 68.2 | 69.1 | 69.4 | 69.1 | 68.3 | 62.8 |
| 14.0 | 8.4  | 7.5  | 7.2  | 7.5  | 8.3  | 13.8 |
| 30   | 18   | 11   | 11   | 11   | 17   | 28   |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 60.3 | 65.7 | 66.5 | 66.7 | 66.4 | 65.7 | 58.6 |
| 8.5  | 3.1  | 2.3  | 2.1  | 2.4  | 3.1  | 10.2 |
| 30   | 19   | 11   | 11   | 11   | 18   | 31   |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 56.5 | 63.4 | 63.9 | 64.0 | 63.7 | 63.4 | 63.0 | 56.4 |
| 12.3 | 5.4  | 4.9  | 4.8  | 5.1  | 5.4  | 5.8  | 12.4 |
| 32   | 18   | 11   | 11   | 11   | 15   | 17   | 30   |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 54.4 | 60.5 | 61.3 | 61.3 | 61.0 | 60.4 | 60.0 | 55.4 |
| 14.4 | 8.3  | 7.5  | 7.5  | 7.8  | 8.4  | 8.8  | 13.4 |
| 30   | 18   | 11   | 11   | 11   | 15   | 18   | 27   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 52.1 | 57.5 | 58.7 | 58.7 | 58.3 | 57.7 | 56.8 | 55.8 | 52.6 |
| 16.7 | 11.3 | 10.1 | 10.1 | 10.5 | 11.1 | 12.0 | 13.0 | 16.2 |
| 30   | 19   | 11   | 11   | 11   | 16   | 19   | 21   | 28   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 46.5 | 48.9 | 56.1 | 57.1 | 57.3 | 57.0 | 56.5 | 56.1 | 53.0 | 50.2 |
| 11.9 | 9.5  | 2.3  | 1.3  | 1.1  | 1.4  | 1.9  | 2.3  | 5.4  | 8.2  |
| 52   | 35   | 18   | 11   | 11   | 11   | 15   | 18   | 32   | 49   |
| 48.3 | 49.5 | 49.8 | 50.5 |      |      | 44.0 | 46.6 | 48.6 |      |
| 10.1 | 8.9  | 8.6  | 7.9  |      |      | 14.4 | 11.8 | 9.8  |      |
| 58   | 71   | 80   | 100  |      |      | 100  | 81   | 65   |      |

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

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 958.44 |  |  |
|--|--|--------|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| 8 |  |  |  |  |
|---|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +15 |  |  |  |  |
|-----|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +28 |  |  |  |  |
|-----|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

April 27, 1960

56

LT

RT

10

47.5  
10.9 8.2 3.0 2.1  
44 30 17 11

56.5 ✓  
56.2  
1.9 2.2  
11 16

55.7  
53.4  
2.7 5.0  
16 29

50.8  
47.4  
7.6 11.0  
45 73

48.4  
10.0 8.6 8.0 7.6  
51 59 80 100

43.6  
14.8  
100

50.6  
7.8 9.1 9.4 3.1 2.7 2.6 2.9  
57 34 34 16 11 11 16

55.7  
55.8 ✓  
55.3  
3.3

54.0  
4.4 6.1 10.9  
22 27 35

52.3  
47.5  
10.9

51.3  
7.1 6.6  
78 100

40.9  
17.5  
100

41.8  
16.6 15.2  
82 61

43.2  
45.2  
13.2  
45

49.8  
8.6 7.8 3.6 3.2  
33 27 16 11

55.2  
55.3 ✓  
55.0  
3.4 4.0 5.8  
11 16 19

54.4  
52.6  
10.0 10.5  
31 43

48.4  
47.9  
10.5

50.3  
8.1 7.0 6.0 5.3  
44 61 82 100

45.7  
12.7  
100

47.3  
11.1 10.3  
91 80

48.1  
48.4  
10.0  
59

Sta +  $\pi$  - Elev.

958.44

8+51

✓

+80

✓

9

✓

TP

6.34 952.10



2 April 27, 1960 57

LT

RT

11

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 50.2 | 50.8 | 53.6 | 54.2 | 54.5 | 54.1 | 53.7 | 50.6 | 50.6 | 51.3 |
| 8.2  | 7.6  | 4.8  | 4.2  | 3.9  | 4.3  | 4.7  | 2.8  | 2.8  | 7.1  |
| 33   | 24   | 16   | 11   |      | 11   | 15   | 22   | 25   | 29   |

|      |      |      |      |  |      |      |      |      |  |
|------|------|------|------|--|------|------|------|------|--|
| 51.1 | 52.3 | 52.9 | 53.8 |  | 47.0 | 49.2 | 49.9 | 50.6 |  |
| 7.3  | 6.1  | 5.5  | 4.6  |  | 11.4 | 9.2  | 8.5  | 7.8  |  |
| 48   | 69   | 85   | 100  |  | 100  | 87   | 66   | 48   |  |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 51.1 | 50.4 | 51.0 | 52.9 | 53.4 | 53.6 | 53.2 | 53.0 | 52.3 | 51.3 | 51.3 |
| 7.3  | 8.0  | 7.4  | 5.5  | 5.0  | 4.8  | 5.2  | 5.4  | 6.1  | 7.1  | 7.1  |
| 51   | 28   | 21   | 17   | 11   |      | 11   | 16   | 18   | 20   | 23   |

|      |      |      |  |      |      |      |      |
|------|------|------|--|------|------|------|------|
| 51.8 | 53.0 | 53.9 |  | 50.2 | 50.5 | 51.0 | 51.5 |
| 6.6  | 5.4  | 4.5  |  | 8.2  | 7.9  | 7.4  | 6.9  |
| 73   | 89   | 100  |  | 40   | 73   | 50   | 29   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 50.6 | 50.5 | 52.8 | 53.1 | 53.1 | 52.9 | 52.0 | 51.0 | 50.1 |
| 7.8  | 7.9  | 5.6  | 5.3  | 5.3  | 5.5  | 6.4  | 7.4  | 8.3  |
| 36   | 20   | 16   | 10   |      | 11   | 28   | 45   | 63   |

|      |      |      |      |  |      |      |
|------|------|------|------|--|------|------|
| 51.1 | 51.6 | 53.0 | 54.3 |  | 45.8 | 49.0 |
| 7.3  | 6.8  | 5.4  | 4.1  |  | 12.6 | 9.4  |
| 51   | 69   | 91   | 100  |  | 100  | 78   |

Nail in PP RT Sta 9+70+

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

|      |      |        |  |        |
|------|------|--------|--|--------|
| B.M. | 0.09 | 976.59 |  | 976.50 |
|------|------|--------|--|--------|

0+40 ~~893~~

✓

1+00

✓

1+51

✓

R6  
JL  
WM  
FW

LT

~~LT~~

OCT 24, 1961  
30° Clear  
RT

58  
12

Top Hyd SE Cor "D"  $\frac{1}{2}$  Silver Lake Rd.

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 70.3 | 70.7 | 71.0 | 71.6 | 71.8 | 72.3 |
| 63   | 59   | 56   | 50   | 48   | 43   |
| 58   | 48   | 35   | 23   | 16   |      |

|      |      |      |
|------|------|------|
| 70.0 | 70.9 | 72.1 |
| 66   | 57   | 45   |
| 64   | 69   | 100  |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 68.4 | 68.5 | 69.1 | 70.4 | 71.1 | 71.6 |
| 82   | 81   | 75   | 62   | 55   | 50   |
| 53   | 38   | 25   | 19   | 15   |      |

|      |      |      |
|------|------|------|
| 68.6 | 72.2 | 72.2 |
| 80   | 44   | 44   |
| 58   | 71   | 100  |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 65.4 | 65.1 | 66.2 | 67.3 | 70.9 | 71.2 |
| 11.2 | 11.5 | 10.4 | 6.3  | 5.7  | 5.4  |
| 52   | 40   | 29   | 18   | 15   |      |

|      |      |      |      |
|------|------|------|------|
| 66.0 | 71.8 | 71.9 | 71.9 |
| 10.6 | 4.8  | 4.7  | 4.7  |
| 58   | 68   | 82   | 100  |

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

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 976.59 |  |  |
|--|--|--------|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+61 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|    |      |        |     |        |
|----|------|--------|-----|--------|
| TP | 1.07 | 968.90 | 876 | 967.83 |
|----|------|--------|-----|--------|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+30 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|



Oct 24, 1960

59  
13

RT

RT

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 64.2 | 64.0 | 65.2 | 70.4 | 71.0 | 71.2 |
| 12.4 | 12.6 | 11.4 | 6.2  | 5.6  | 5.4  |
| 52   | 45   | 32   | 19   | 14   |      |

|      |      |      |      |
|------|------|------|------|
| 64.6 | 65.0 | 65.1 | 64.4 |
| 12.0 | 11.4 | 11.5 | 12.2 |
| 55   | 62   | 75   | 100  |

Top of stake

|      |      |      |      |      |
|------|------|------|------|------|
| 59.3 | 59.2 | 58.9 | 58.6 | 58.6 |
| 9.6  | 9.7  | 10.0 | 10.3 | 10.3 |
| 100  | 90   | 84   | 70   | 63   |

|      |      |      |
|------|------|------|
| 60.2 | 58.6 | 58.0 |
| 8.7  | 10.3 | 10.4 |
| 38   | 44   | 48   |

|      |      |      |      |      |
|------|------|------|------|------|
| 56.2 | 56.1 | 55.7 | 55.7 | 57.1 |
| 12.7 | 12.8 | 13.2 | 13.2 | 11.8 |
| 100  | 86   | 68   | 56   | 45   |

|      |      |
|------|------|
| 64.3 | 57.9 |
| 4.6  | 11.0 |
| 30   | 42   |

| Sta | + | $\Delta$ | - | Elev |
|-----|---|----------|---|------|
|-----|---|----------|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 968.90 |  |  |
|--|--|--------|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+92 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 4.42 | 960.29 | 13.03 | 955.87 |
|----|------|--------|-------|--------|

|      |  |  |  |  |
|------|--|--|--|--|
| 3+00 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +18 |  |  |  |  |
|-----|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

Lt.

Z

Rt

14

|      |      |      |      |      |
|------|------|------|------|------|
| 56.1 | 56.1 | 55.7 | 54.7 | 53.0 |
| 12.8 | 12.8 | 13.2 | 14.2 | 15.9 |
| 100  | 84   | 70   | 62   | 58   |



|      |      |
|------|------|
| 59.5 | 55.3 |
| 9.4  | 13.6 |
| 37   | 47   |

Rock

|      |      |      |      |      |
|------|------|------|------|------|
| 52.0 | 52.3 | 53.1 | 53.1 | 52.8 |
| 8.3  | 8.0  | 7.2  | 7.2  | 7.5  |
| 100  | 90   | 70   | 63   | 57   |



|      |      |
|------|------|
| 57.3 | 54.3 |
| 2.0  | 6.0  |
| 41   | 50   |

|      |      |      |      |      |
|------|------|------|------|------|
| 48.7 | 48.7 | 49.7 | 51.1 | 53.0 |
| 11.6 | 11.6 | 10.6 | 9.2  | 7.3  |
| 100  | 85   | 71   | 59   | 51   |



|      |
|------|
| 56.7 |
| 3.6  |
| 43   |

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

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 960.29 |  |  |
|--|--|--------|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 3+25 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +35 |  |  |  |  |
|-----|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +56 |  |  |  |  |
|-----|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|



Oct 24, 1960

61  
15

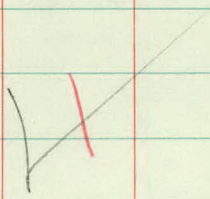
Lt

L

RT

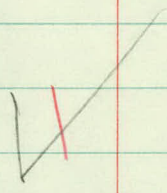
|      |      |      |      |      |
|------|------|------|------|------|
| 48.8 | 49.1 | 50.6 | 52.3 | 53.6 |
| 11.5 | 11.2 | 9.7  | 8.0  | 6.7  |
| 100  | 86   | 74   | 56   | 50   |

57.8  
57.6  
2.5  
41



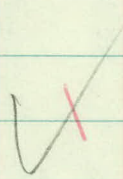
|      |      |      |      |      |
|------|------|------|------|------|
| 48.7 | 48.7 | 49.3 | 49.6 | 50.9 |
| 11.6 | 11.6 | 11.0 | 10.7 | 9.4  |
| 100  | 85   | 75   | 62   | 57   |

59.3  
1.0  
37  
54.1  
6.2  
47



|      |      |      |      |      |
|------|------|------|------|------|
| 46.3 | 46.5 | 47.0 | 48.3 | 49.3 |
| 14.0 | 13.8 | 13.3 | 12.0 | 11.0 |
| 100  | 85   | 75   | 65   | 59   |

58.5  
1.8  
39  
51.6  
8.7  
52



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

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 960.29 |  |  |
|--|--|--------|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 3+68 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 4+00 |  |  |  |  |
|------|--|--|--|--|

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 3.33 | 950.44 | 13.18 | 947.11 |
|----|------|--------|-------|--------|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|  |  |      |        |  |
|--|--|------|--------|--|
|  |  | 9.88 | 940.56 |  |
|--|--|------|--------|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +79 |  |  |  |  |
|-----|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

Oct 24, 1960

62

16

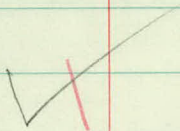
Lt

Z

RT

|      |      |      |      |      |
|------|------|------|------|------|
| 45.9 | 46.2 | 46.8 | 47.9 | 49.7 |
| 14.4 | 14.1 | 13.5 | 12.4 | 10.6 |
| 100  | 76   | 63   | 59   | 52   |

57.4  
2.9  
38



| So. Rail |      |      |      |       |
|----------|------|------|------|-------|
| 14.2     | 14.1 | 14.0 | 14.1 | 13.48 |
| 100      | 85   | 63   | 35   | 28    |

SEE PAGE 2A LT

Top rail (No. rail of So. line) 100' Lt Sta 3+98

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| 7.4 | 5.9 | 5.6 | 4.3 | 1.8 |
| 100 | 89  | 72  | 54  | 40  |

SEE PAGE 2A LT

43.0  
15

1-11-61  
KP

~~Fl. S. end 24" dia 91' Lt Sta 4+71~~ gone

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| 5.3 | 5.6 | 5.0 | 4.3 | 3.6 |
| 100 | 91  | 78  | 69  | 65  |

SEE PAGE 2A LT

Top  
0.0 1.1 3.7  
54 58 58

Rotten wall (mud)

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

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 950.44 |  |  |
|--|--|--------|--|--|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 13.12 | 962.74 | 0.82 | 949.62 |
|----|-------|--------|------|--------|

|    |      |        |      |        |
|----|------|--------|------|--------|
| TP | 9.64 | 972.22 | 0.16 | 962.58 |
|----|------|--------|------|--------|

5+00

+21      See PAGE 3A FOR LT.

✓

+50

✓



OCT 29, 1960

63

17

Lt

L

Rt

Top retaining wall

IRON

~~16.7 18.4 18.6 18.3 12.2~~  
~~100 85 67 50 38~~

See Page 3A

~~6.7 6.7 6.1 2.5 2.0 1.7~~ 70.5  
~~66 42 27 16 11~~ 70.2  
 2.0 2.9 9.4 13.2 69.3  
 11 17 30 36 62.8  
 59.0 ✓

→ ~~7.0 7.7~~  
~~86 100~~

~~4.9 4.6 4.9 3.8 3.2 2.9~~ SEE PAGE 3A  
~~75 49 25 17 11~~

→ ~~4.1 4.6 3.9 3.3~~  
~~86 89 94 100~~

Sta +  $\pi$  - Elev

972.22

6+00

✓

+50

Note - dist left of  $\pi$  limited because of construction  
underway at present time.

✓

7+00

+50

✓

Oct 24, 1960

64  
18

Lt

Lt

Rt

~~5.4 5.3 5.4 6.1 5.9 5.6~~  
52 35 20 15 11

See page 3A

~~5.4 5.1 4.3 4.3~~  
75 79 81 100

~~5.8 6.0 6.3 8.6 8.7 8.5 8.3~~  
56 39 24 18 16 11

See page 3A

~~5.8~~  
74

~~6<sup>5.2</sup> 6<sup>5.3</sup> 6<sup>5.5</sup> 6<sup>6.0</sup> 6<sup>1.0</sup> 6<sup>1.1</sup>~~

~~7.0 6.9 6.7 11.3 11.2 11.1~~ see page 4A  
55 44 27 16 11

~~6<sup>4.3</sup> 6<sup>4.5</sup> 6<sup>4.4</sup> 5<sup>8.4</sup> 5<sup>8.5</sup>~~

~~7.9 7.7 7.8 13.4 13.8 13.7~~ See page 4A  
59 48 27 17 11

~~6<sup>4.4</sup>~~  
~~7.8~~  
64

Sta

+

K

-

ELV

972.22

TP

9.75

962.47

T.P.

4.56

963.81

959.25

T.P.

3.46

956.65

10.62

953.19

2+30

Rt. only

2+60

Rt only

2+92

Rt only

3+00

Rt only



Lt.

L

Oct 24, 1960

65

Rt.

19

Top Guard Rail Post 15' RT 7+10

Top Angle iron Base E pier of tower  
Rock

|   |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|
| ✓ | 54.1 | 55.9 | 54.9 | 54.3 | 53.6 | 54.4 | 53.8 |
|   | +0.4 | 0.8  | 1.8  | 2.4  | 3.1  | 2.3  | 2.9  |
|   | 45   | 49   | 57   | 67   | 75   | 85   | 100  |

|   |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|
| ✓ | 55.9 | 53.0 | 51.4 | 51.2 | 52.5 | 52.7 | 52.7 |
|   | 0.8  | 3.7  | 5.3  | 5.5  | 4.2  | 4.0  | 4.0  |
|   | 44   | 50   | 55   | 72   | 80   | 88   | 100  |

|   |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|
| ✓ | 56.5 | 53.7 | 50.6 | 50.0 | 51.7 | 52.1 | 52.2 |
|   | 0.2  | 3.0  | 6.1  | 6.7  | 5.0  | 4.6  | 4.5  |
|   | 42   | 48   | 56   | 61   | 77   | 86   | 100  |

|   |      |      |      |      |      |      |
|---|------|------|------|------|------|------|
| ✓ | 56.5 | 53.3 | 49.9 | 51.7 | 51.7 | 51.9 |
|   | 0.2  | 3.4  | 6.8  | 5.0  | 5.0  | 4.8  |
|   | 43   | 49   | 59   | 64   | 85   | 100  |

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

956.65

|      |         |  |  |  |
|------|---------|--|--|--|
| 3+18 | Rt only |  |  |  |
|------|---------|--|--|--|

|     |         |  |  |  |
|-----|---------|--|--|--|
| +25 | Rt only |  |  |  |
|-----|---------|--|--|--|

|     |         |  |  |  |
|-----|---------|--|--|--|
| +35 | Rt only |  |  |  |
|-----|---------|--|--|--|

|     |         |  |  |  |
|-----|---------|--|--|--|
| +51 | Rt only |  |  |  |
|-----|---------|--|--|--|

|     |         |  |  |  |
|-----|---------|--|--|--|
| +56 | Rt only |  |  |  |
|-----|---------|--|--|--|

|     |         |  |  |  |
|-----|---------|--|--|--|
| +68 | Rt only |  |  |  |
|-----|---------|--|--|--|

OCT 24, 1960

66  
20✓  
X

|     | 55.7 | 52.2 | 49.7 | 49.2 | 51.4 | 52.0 | 52.1 |
|-----|------|------|------|------|------|------|------|
| 1.0 | 4.5  | 2.0  | 7.5  | 5.3  | 4.7  | 4.6  |      |
| 43  | 52   | 58   | 63   | 68   | 81   | 100  |      |

✓  
X

|     | 55.9 | 52.5 | 49.8 | 49.1 | 51.9 | 51.7 | 52.1 |
|-----|------|------|------|------|------|------|------|
| 0.8 | 4.2  | 6.9  | 7.6  | 4.8  | 5.0  | 4.6  |      |
| 44  | 50   | 58   | 62   | 68   | 87   | 100  |      |

✓  
X

|     | 56.3 | 53.6 | 49.7 | 49.0 | 51.5 | 51.7 | 51.6 |
|-----|------|------|------|------|------|------|------|
| 0.4 | 3.1  | 7.0  | 7.7  | 5.2  | 5.0  | 5.1  |      |
| 44  | 48   | 58   | 64   | 69   | 85   | 100  |      |

|     | 56.3 | 53.6 | 50.7 | 50.0 | 48.9 | 48.2 | 48.0 | 48.2 | 51.1 |
|-----|------|------|------|------|------|------|------|------|------|
| 0.4 | 3.1  | 6.0  | 6.7  | 7.8  | 8.5  | 8.7  | 8.7  | 8.5  | 5.6  |
| 42  | 47   | 54   | 56   | 61   | 71   | 83   | 88   | 88   | 100  |

✓  
X

|     | 55.7 | 51.6 | 49.3 | 48.3 | 47.8 | 47.6 |
|-----|------|------|------|------|------|------|
| 1.0 | 5.1  | 7.4  | 8.4  | 8.9  | 9.1  |      |
| 43  | 52   | 61   | 75   | 80   | 100  |      |

✓  
X

|     | 55.9 | 54.7 | 50.4 | 48.9 | 47.8 | 47.5 |
|-----|------|------|------|------|------|------|
| 0.8 | 2.0  | 6.3  | 7.8  | 8.9  | 9.2  |      |
| 39  | 42   | 53   | 61   | 80   | 100  |      |

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

956.65

|      |         |  |  |  |
|------|---------|--|--|--|
| 4+00 | Rt only |  |  |  |
|------|---------|--|--|--|

+50

10.59

946.06

Top Se. rail

+79

5+00

+21

+50

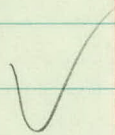


OCT 24, 1960

67  
21

2

Rt



|      |      |      |      |
|------|------|------|------|
| 46.9 | 46.6 | 46.7 | 46.6 |
| 9.8  | 10.1 | 10.0 | 10.1 |
| 25   | 45   | 75   | 100  |

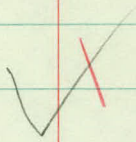
of No. tracks 100' Rt Sta 4+50



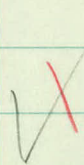
|      |      |      |      |
|------|------|------|------|
| 45.6 | 45.7 | 45.6 | 45.6 |
| 11.1 | 11.0 | 11.1 | 11.1 |
| 25   | 57   | 80   | 100  |



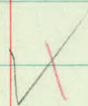
|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 56.0 | 52.0 | 50.1 | 48.3 | 45.7 | 44.8 | 44.3 |
| 0.7  | 4.7  | 6.6  | 8.4  | 11.0 | 11.9 | 12.4 |
| 42   | 50   | 54   | 60   | 77   | 83   | 100  |



|      |      |      |      |      |
|------|------|------|------|------|
| 56.7 | 51.6 | 46.0 | 44.6 | 44.0 |
| 0.0  | 5.1  | 10.7 | 12.1 | 12.7 |
| 44   | 49   | 64   | 81   | 100  |



|      |      |      |      |      |
|------|------|------|------|------|
| 56.7 | 51.7 | 46.0 | 44.5 | 44.0 |
| 0.0  | 5.0  | 10.7 | 12.2 | 12.7 |
| 39   | 50   | 63   | 80   | 100  |



|      |      |      |      |      |
|------|------|------|------|------|
| 56.2 | 51.4 | 45.7 | 44.1 | 43.7 |
| 0.5  | 5.3  | 11.0 | 12.6 | 13.0 |
| 39   | 50   | 62   | 80   | 100  |

Sta +  $\pi$  - Elev

956.65

6+00 Rt only

TP 6.20 951.73 11.12 945.53

6+50 Rt only

7+00 Rt only

64' RT

+30 FL End 24" CM 12.88 938.85

+50 Rt only

+63 Rt only

+73 Rt only

+92 Rt only

RG  
IL  
WM  
RW

2

RT

OCT 29, 1960 68  
OCT 25, 1960  
overcast, windy + cold 22

Top N end R.R. Tie

|      |      |      |      |      |
|------|------|------|------|------|
| 56.7 | 57.7 | 45.4 | 42.7 | 42.5 |
| 0.0  | 5.0  | 11.3 | 14.0 | 14.2 |
| 32   | 33   | 55   | 76   | 100  |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 50.7 | 44.7 | 43.3 | 42.1 | 40.9 | 40.5 |
| 1.0  | 7.0  | 8.4  | 9.6  | 10.8 | 11.2 |
| 32   | 46   | 54   | 63   | 83   | 100  |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 49.9 | 46.3 | 42.9 | 40.4 | 39.5 | 39.1 |
| 1.8  | 5.4  | 8.8  | 11.3 | 12.2 | 12.6 |
| 36   | 43   | 51   | 60   | 75   | 100  |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 49.6 | 47.1 | 41.4 | 40.4 | 39.8 | 39.2 | 39.2 |
| 2.1  | 4.6  | 10.3 | 11.3 | 11.9 | 12.5 | 12.5 |
| 39   | 42   | 54   | 60   | 70   | 88   | 100  |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 57.3 | 47.6 | 42.2 | 40.5 | 40.0 | 39.6 |
| 0.4  | 4.1  | 9.5  | 11.2 | 11.7 | 12.1 |
| 34   | 49   | 59   | 63   | 77   | 100  |

|      |      |      |      |
|------|------|------|------|
| 50.9 | 48.1 | 45.8 | 43.7 |
| 0.8  | 3.6  | 5.9  | 8.0  |
| 42   | 64   | 73   | 100  |

|      |      |      |      |      |
|------|------|------|------|------|
| 57.3 | 50.2 | 47.6 | 45.3 | 43.8 |
| 0.4  | 1.5  | 4.1  | 6.4  | 7.9  |
| 41   | 47   | 73   | 90   | 100  |

Sta +  $\pi$  - Elev

951.73

TP 9.75 959.46 2.02 949.71

7+63

+73

+73

+92

TP 9.53 963.06 5.93 953.53

TP 0.47 962.59 962.47

8+14 SEE PAGE 4A FOR LT

← 6A FOR RT

✓

+50 SEE PAGE 4A LT

← 6A FOR RT.

✓



OCT 25, 1960

69

Lt.

L

Rt

23

Rock

✓

|      |      |      |      |      |
|------|------|------|------|------|
| 58.2 | 57.8 | 56.8 | 54.8 | 50.4 |
| 1.3  | 1.7  | 2.7  | 4.7  | 9.1  |
|      | 11   | 17   | 23   | 34   |

✓

|      |      |      |      |      |
|------|------|------|------|------|
| 57.8 | 57.4 | 56.4 | 53.7 | 50.6 |
| 1.7  | 2.1  | 3.1  | 5.8  | 8.9  |
|      | 11   | 17   | 27   | 35   |

✓

|      |      |      |      |      |
|------|------|------|------|------|
| 56.9 | 56.6 | 56.1 | 55.1 | 53.4 |
| 2.6  | 2.9  | 3.4  | 4.4  | 6.1  |
|      | 11   | 17   | 21   | 24   |

Rock

63.5 62.1 55.9 55.8 56.0

|      |     |     |     |     |     |     |      |      |
|------|-----|-----|-----|-----|-----|-----|------|------|
| 10.4 | 1.0 | 7.2 | 7.3 | 7.1 | 7.3 | 8.1 | 11.4 | 14.5 |
| 58   | 29  | 15  | 11  |     | 11  | 17  | 28   | 38   |

63.5 63.5 64.5 64.5

|      |      |      |      |
|------|------|------|------|
| +0.4 | 10.4 | +1.4 | +1.4 |
| 75   | 85   | 87   | 100  |

|     |     |      |      |
|-----|-----|------|------|
| 6.5 | 8.3 | 11.8 | 14.6 |
| 100 | 75  | 50   | 42   |

62.1 62.3 55.1 54.1 54.1

|     |     |     |     |     |     |     |      |      |
|-----|-----|-----|-----|-----|-----|-----|------|------|
| 0.4 | 0.8 | 8.0 | 8.7 | 8.4 | 8.9 | 9.1 | 11.6 | 12.9 |
| 58  | 29  | 16  | 11  |     | 11  | 15  | 21   | 23   |

|      |      |      |
|------|------|------|
| 67.8 | 64.1 | 64.1 |
| 0.3  | +1.0 | +1.0 |
| 83   | 85   | 100  |

|     |     |     |      |
|-----|-----|-----|------|
| 7.4 | 7.7 | 9.3 | 12.7 |
| 100 | 90  | 72  | 40   |

Sta + T - Elev

963.06

9+0.4

SEE PAGE 4A FOR LT.

" 6A FOR RT

✓

+50 For LT see page 5A

RT " " 6A

✓

TBM

10.36 952.70<sup>?</sup> 952.10

10+00 For LT see page 5A

RT " " 6A

✓

952.10

2+

2

Oct 25, 1960 70  
24

2+

|      |      |      |      |      |      |      |      |      |  |
|------|------|------|------|------|------|------|------|------|--|
| 60.6 | 54.0 | 53.1 | 53.1 | 53.2 |      |      |      |      |  |
| 2.5  | 9.1  | 10.0 | 10.0 | 9.9  | 10.0 | 10.6 | 11.7 | 11.6 |  |
| 28   | 18   | 16   | 11   |      | 11   | 18   | 28   | 40   |  |

|      |      |      |      |
|------|------|------|------|
| 61.1 | 61.1 | 63.4 | 63.1 |
| 2.0  | 1.4  | 4.3  | 0.0  |
| 52   | 87   | 90   | 100  |

|     |     |     |     |
|-----|-----|-----|-----|
| 5.6 | 5.1 | 6.4 | 9.9 |
| 100 | 76  | 60  | 51  |

|      |      |      |      |      |      |      |      |      |  |
|------|------|------|------|------|------|------|------|------|--|
| 59.1 | 53.4 | 52.6 | 52.5 | 52.6 |      |      |      |      |  |
| 4.0  | 9.3  | 10.5 | 10.6 | 10.5 | 10.6 | 11.1 | 11.5 | 11.0 |  |
| 27   | 18   | 16   | 11   |      | 10   | 16   | 27   | 30   |  |

|      |      |      |      |      |      |     |     |     |      |
|------|------|------|------|------|------|-----|-----|-----|------|
| 59.4 | 60.1 | 60.1 | 60.9 | 62.1 | 62.1 |     |     |     |      |
| 3.5  | 3.0  | 3.0  | 2.2  | 1.0  | 1.0  | 6.2 | 6.7 | 6.9 | 10.1 |
| 30   | 42   | 60   | 82   | 87   | 100  | 100 | 75  | 61  | 38   |

Nail in PP Rt Sta 9+70 ±

|      |      |      |      |      |      |      |      |      |  |
|------|------|------|------|------|------|------|------|------|--|
| 58.8 | 58.1 | 53.6 | 52.4 | 52.6 |      |      |      |      |  |
| 4.3  | 5.0  | 9.5  | 10.7 | 10.5 | 10.6 | 11.0 | 11.0 | 10.6 |  |
| 45   | 28   | 17   | 12   |      | 11   | 22   | 30   | 45   |  |

|      |      |      |      |
|------|------|------|------|
| 59.4 | 59.6 | 60.5 | 60.8 |
| 3.7  | 3.5  | 2.6  | 2.3  |
| 75   | 86   | 89   | 100  |

|     |     |     |
|-----|-----|-----|
| 7.3 | 7.1 | 6.9 |
| 100 | 94  | 64  |

Sta +  $\pi$  - Elev

963.06

10+50 For Rt see PLA

9A LT

✓

11+00 For Rt see Page 7A

9A FOR LT

✓

TP 4.68 960.05 7.09 955.37

BM<sub>3</sub> 5.48 954.57 954.53

11+50 For Rt see Page 7A

9A FOR LT

✓



Lt

E

Rt

71  
25

|                |                |                 |                 |                 |                 |                 |                 |                |
|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| <del>6.3</del> | <del>9.5</del> | <del>10.1</del> | <del>10.1</del> | <del>10.1</del> | <del>10.4</del> | <del>10.7</del> | <del>10.7</del> | <del>7.6</del> |
| 30             | 20             | 15              | 11              |                 | 11              | 20              | 36              | 59             |

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| <del>5.3</del> | <del>5.2</del> | <del>3.9</del> | <del>3.6</del> |
| 60             | 87             | 94             | 100            |

|                |                |
|----------------|----------------|
| <del>8.1</del> | <del>7.7</del> |
| 100            | 86             |

|                |                |                |                |                |                |                 |                 |                 |                 |
|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| <del>6.8</del> | <del>8.5</del> | <del>9.3</del> | <del>9.5</del> | <del>9.6</del> | <del>9.7</del> | <del>10.0</del> | <del>10.2</del> | <del>11.1</del> | <del>10.8</del> |
| 39             | 32             | 24             | 11             | 11             |                | 11              | 17              | 21              | 24              |

|                |                |                |
|----------------|----------------|----------------|
| <del>6.1</del> | <del>5.2</del> | <del>5.0</del> |
| 53             | 90             | 100            |

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
| <del>5.4</del> | <del>8.3</del> | <del>8.6</del> | <del>8.9</del> | <del>8.8</del> |
| 100            | 60             | 51             | 44             | 38             |

steel rod

Top Breather pipe SW of Ent to Sunset Lane

|                |                |                |                |                |                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <del>4.2</del> | <del>4.9</del> | <del>5.3</del> | <del>6.4</del> | <del>6.4</del> | <del>6.5</del> | <del>6.7</del> | <del>6.9</del> | <del>8.0</del> | <del>7.2</del> |
| 85             | 45             | 25             | 16             | 11             |                | 11             | 17             | 22             | 26             |

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| <del>7.6</del> | <del>6.9</del> | <del>6.2</del> | <del>6.7</del> |
| 100            | 90             | 39             | 29             |

Sta.

+

$\pi$

-

ELV.

960.05

12+00

See page 7A FOR RT.

9A FOR LT

✓

+35

See PAGE 7A FOR RT

9A FOR LT

✓

✓

+70

See Page 8A FOR RT

9A FOR LT.

Lt.

L

Oct 25, 1960

Rt.

72  
26

|                |                |                |                |                |                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <del>4.8</del> | <del>5.3</del> | <del>6.8</del> | <del>6.7</del> | <del>6.7</del> | <del>6.6</del> | <del>6.8</del> | <del>7.2</del> | <del>8.0</del> | <del>7.9</del> |
| <del>46</del>  | <del>37</del>  | <del>25</del>  | <del>19</del>  | <del>11</del>  |                | <del>11</del>  | <del>18</del>  | <del>21</del>  | <del>23</del>  |

$$\begin{array}{r} \cancel{45} \\ 85 \end{array}$$

$$\begin{array}{r} \cancel{6.6} \cancel{6.4} \cancel{5.7} \cancel{5.5} \\ 100 \ 75 \ 50 \ 29 \end{array}$$

|                |                |                |                |                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <del>4.8</del> | <del>5.0</del> | <del>7.2</del> | <del>6.9</del> | <del>6.9</del> | <del>7.2</del> | <del>7.3</del> | <del>8.4</del> | <del>8.6</del> |
| <del>48</del>  | <del>40</del>  | <del>28</del>  | <del>11</del>  |                | <del>11</del>  | <del>16</del>  | <del>20</del>  | <del>22</del>  |

$$\begin{array}{r} \cancel{48} \cancel{5.3} \\ 86 \ 100 \end{array}$$

$$\begin{array}{r} \cancel{5.4} \cancel{5.2} \cancel{4.6} \cancel{5.0} \cancel{6.3} \cancel{6.9} \\ 65 \ 49 \ 37 \ 34 \ 30 \ 27 \end{array}$$

$$\begin{array}{r} \cancel{5.8} \cancel{6.2} \\ 93 \ 100 \end{array}$$

|                |                |                |                |                |                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <del>5.4</del> | <del>5.3</del> | <del>7.2</del> | <del>7.6</del> | <del>7.1</del> | <del>7.0</del> | <del>7.3</del> | <del>7.8</del> | <del>9.1</del> | <del>9.0</del> |
| <del>90</del>  | <del>46</del>  | <del>30</del>  | <del>22</del>  | <del>11</del>  |                | <del>11</del>  | <del>16</del>  | <del>20</del>  | <del>23</del>  |

Under  
sewer  
construction

$$\begin{array}{r} \cancel{5.9} \cancel{6.3} \cancel{6.4} \cancel{6.9} \\ 63 \ 44 \ 31 \ 29 \end{array}$$

Sta +  $\pi$  - ELEV.

960.05

13+00 SEE PAGE 8A FOR RT  
10A FOR LT

+08 E Sunset Lane SEE PAGE 8A FOR RT  
10A FOR LT

+27 SEE PAGE 8A FOR RT  
10A FOR LT

✓

+41 SEE PAGE 8A FOR RT  
10A FOR LT

✓



Oct 25, 1960

Lt

L

Rt

23  
27

|     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 6.0 | 7.3 | 7.7 | 7.4 | 7.3 | 7.3 | 7.2 | 7.6 |
| 100 | 45  | 21  | 11  |     | 11  | 27  | 42  |

under  
sewer  
construction

|     |     |     |     |
|-----|-----|-----|-----|
| 7.4 | 7.5 | 7.1 | 7.0 |
|     | 11  | 24  | 34  |

under  
sewer  
construction

|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6.9 | 8.2 | 8.1 | 8.3 | 7.7 | 7.6 | 7.7 | 8.0 | 9.3 | 9.2 |
| 92  | 47  | 26  | 18  | 11  |     | 12  | 16  | 22  | 29  |

|     |     |     |
|-----|-----|-----|
| 7.1 | 6.8 | 7.6 |
| 100 | 75  | 39  |

|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6.9 | 8.4 | 8.7 | 7.9 | 7.8 | 8.0 | 8.1 | 9.7 | 9.7 | 7.1 |
| 76  | 46  | 24  | 11  |     | 11  | 16  | 20  | 24  | 33  |

|     |     |
|-----|-----|
| 5.9 | 5.7 |
| 100 | 68  |

| Sta. | + | $\pi$ | - | ELV. |
|------|---|-------|---|------|
|------|---|-------|---|------|

960.05

|       |  |        |              |  |
|-------|--|--------|--------------|--|
| 13+75 |  | For Lt | See page 10A |  |
|-------|--|--------|--------------|--|

✓

|       |  |        |              |  |
|-------|--|--------|--------------|--|
| 14+00 |  | For Lt | See page 10A |  |
|-------|--|--------|--------------|--|

✓

|     |  |         |              |  |
|-----|--|---------|--------------|--|
| +50 |  | For Lt. | See page 11A |  |
|-----|--|---------|--------------|--|

✓

Oct 25, 1960 24  
28

Lt

2

RL

|                |                |                |                |     |      |      |      |      |      |
|----------------|----------------|----------------|----------------|-----|------|------|------|------|------|
| <del>6.6</del> | <del>9.9</del> | <del>8.9</del> | <del>8.5</del> | 8.5 | 51.6 | 51.5 | 51.5 | 49.9 | 49.8 |
| <del>44</del>  | <del>26</del>  | <del>19</del>  | <del>11</del>  |     |      | 11   | 15   | 19   | 24   |
|                |                |                |                |     | ✓    |      |      |      |      |
| 7.2            |                |                |                |     |      |      | 54.2 | 54.5 | 51.9 |
| 82             |                |                |                |     |      |      | 5.9  | 56   | 8.2  |
|                |                |                |                |     |      |      | 90   | 52   | 29   |
|                |                |                |                |     |      |      | Ho   |      |      |

|                |                 |                |                |     |      |      |      |      |      |
|----------------|-----------------|----------------|----------------|-----|------|------|------|------|------|
| <del>9.4</del> | <del>10.1</del> | <del>9.0</del> | <del>9.0</del> | 8.9 | 51.2 | 51.1 | 51.2 | 49.2 | 49.2 |
| <del>29</del>  | <del>25</del>   | <del>16</del>  | <del>11</del>  |     |      | 11   | 14   | 20   | 24   |
|                |                 |                |                |     | ✓    |      |      |      |      |
| 6.9            | 7.9             | 7.6            |                |     |      |      | 54.3 | 53.9 | 51.6 |
| 45             | 52              | 77             |                |     |      |      | 5.8  | 6.2  | 8.5  |
|                |                 |                |                |     |      |      | 87   | 58   | 32   |
|                |                 |                |                |     |      |      | Ho   |      |      |

|                |                |                 |                 |                |     |      |      |      |      |      |
|----------------|----------------|-----------------|-----------------|----------------|-----|------|------|------|------|------|
| <del>9.7</del> | <del>9.9</del> | <del>10.4</del> | <del>10.6</del> | <del>9.9</del> | 9.7 | 50.4 | 50.2 | 50.1 | 48.8 | 48.4 |
| <del>75</del>  | <del>53</del>  | <del>38</del>   | <del>21</del>   | <del>12</del>  |     |      | 10   | 15   | 18   | 23   |
|                |                |                 |                 |                | ✓   |      |      |      |      |      |
|                |                |                 |                 |                |     |      | 53.9 | 53.1 | 50.7 |      |
|                |                |                 |                 |                |     |      | 6.2  | 7.0  | 9.4  |      |
|                |                |                 |                 |                |     |      | 100  | 61   | 26   |      |

STA      +      T      -      ELV.

960.05

15+00      FOR LT. SEE PAGE 11A

✓

T.P.      8.84      956.36      12.53      947.52

+50

✓

+68

✓



Lt

R

Oct 25, 1960  
Rt 29<sup>75</sup>

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 10.8 | 11.4 | 11.1 | 10.7 | 10.7 | 10.9 | 11.5 | 12.4 |
| 51   | 22   | 16   | 11   |      | 11   | 17   | 20   |
| 8.6  | 7.3  |      |      |      | 6.9  | 7.1  | 10.6 |
| 80   | 90   |      |      |      | 100  | 96   | 54   |
|      |      |      |      |      | 53.2 | 53.0 | 49.5 |
|      |      |      |      |      |      |      | 47.3 |
|      |      |      |      |      |      |      | 12.8 |
|      |      |      |      |      |      |      | 34   |

SOUTH END

|      |      |      |      |           |      |      |      |      |      |
|------|------|------|------|-----------|------|------|------|------|------|
| Top  | Cyl  | vert | STAL | 15 + 48 ± |      |      |      |      |      |
| 47.9 | 47.3 | 47.2 | 48.1 | 48.5      | 48.4 | 48.2 | 47.9 | 46.4 | 48.2 |
| 8.5  | 9.1  | 9.2  | 8.3  | 7.9       | 8.0  | 8.2  | 8.5  | 10.0 | 8.2  |
| 36   | 26   | 23   | 17   | 11        |      | 12   | 17   | 20   | 44   |
| 47.0 | 51.4 |      |      |           |      |      |      | 52.2 | 49.7 |
| 9.4  | 50   |      |      |           |      |      |      | 4.2  | 6.7  |
| 54   | 79   |      |      |           |      |      |      | 100  | 71   |

SAME AS  
15 + 73

|      |      |      |      |      |
|------|------|------|------|------|
| 48.1 | 47.9 | 47.5 | 48.1 | 50.6 |
| 8.3  | 8.5  | 8.9  | 8.3  | 5.8  |
| 12   | 12   | 22   | 55   | 84   |
|      |      |      |      | 52.0 |
|      |      |      |      | 4.4  |
|      |      |      |      | 100  |

| STA | + | $\Sigma$ | - | ELV. |
|-----|---|----------|---|------|
|-----|---|----------|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 956.36 |  |  |
|--|--|--------|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 15+73 |  |  |  |  |
|-------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 16+00 |  |  |  |  |
|-------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|      |      |        |      |        |
|------|------|--------|------|--------|
| TBM. | 8.29 | 956.68 | 7.97 | 948.39 |
|------|------|--------|------|--------|

Oct 25, 1960

76

30

Lt

L

Rt

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 47.7 | 46.5 | 47.5 | 48.1 | 48.0 | 47.8 | 47.5 | 45.6 |
| 8.7  | 9.9  | 8.9  | 8.3  | 8.4  | 8.6  | 8.9  | 10.8 |
| 32   | 24   | 18   | 11   |      | 11   | 16   | 20   |

|      |      |      |      |
|------|------|------|------|
| 48.0 | 47.1 | 48.2 | 52.4 |
| 8.4  | 9.3  | 8.2  | 4.0  |
| 43   | 52   | 65   | 79   |

54.4  
2.0  
100

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 47.2 | 45.9 | 47.1 | 47.6 | 47.5 | 47.3 | 47.1 | 45.2 | 45.7 |
| 9.2  | 10.5 | 9.3  | 8.8  | 8.9  | 9.1  | 9.3  | 11.2 | 10.7 |
| 29   | 23   | 19   | 11   |      | 12   | 16   | 21   | 25   |

|      |      |      |      |
|------|------|------|------|
| 47.6 | 46.6 | 45.5 | 53.1 |
| 8.8  | 9.8  | 10.9 | 3.3  |
| 40   | 54   | 64   | 77   |

54.7  
1.7  
100

|      |      |      |
|------|------|------|
| 48.2 | 47.7 | 46.2 |
| 8.2  | 8.7  | 10.2 |
| 100  | 91   | 58   |

P.P. 30' Lt STA 15+70+

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

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 956.68 |  |  |
|--|--|--------|--|--|

|        |  |  |  |  |
|--------|--|--|--|--|
| 16 +50 |  |  |  |  |
|--------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|        |  |  |  |  |
|--------|--|--|--|--|
| 17 +00 |  |  |  |  |
|--------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|



R6  
JK  
WM  
RW

Lt

L

Oct 26, 1960 77  
cloudy, cold  
RT 31

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 45.4 | 45.4 | 46.5 | 46.6 | 46.5 | 46.3 | 45.9 | 45.0 | 45.4 |
| 11.3 | 11.3 | 10.2 | 10.1 | 10.2 | 10.4 | 10.8 | 11.7 | 11.3 |
| 26   | 22   | 17   | 11   |      | 12   | 16   | 21   | 45   |

|      |      |      |      |      |      |  |      |      |
|------|------|------|------|------|------|--|------|------|
| 46.4 | 46.7 | 45.4 | 44.5 | 53.3 | 54.7 |  | 46.0 | 45.8 |
| 10.3 | 10.0 | 11.3 | 12.2 | 3.4  | 2.0  |  | 10.7 | 10.9 |
| 29   | 37   | 53   | 66   | 84   | 100  |  | 100  | 81   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 45.4 | 44.1 | 44.3 | 44.7 | 45.5 | 45.6 | 45.5 | 45.3 | 43.5 | 43.7 |
| 11.3 | 12.6 | 12.0 | 12.0 | 11.2 | 11.1 | 11.2 | 11.4 | 13.2 | 13.0 |
| 26   | 23   | 19   | 18   | 11   |      | 11   | 16   | 19   | 30   |

|      |      |      |      |      |      |  |      |      |      |
|------|------|------|------|------|------|--|------|------|------|
| 45.6 | 45.1 | 45.0 | 43.8 | 52.4 | 54.8 |  | 45.4 | 44.5 | 44.2 |
| 11.1 | 11.6 | 11.7 | 12.9 | 4.3  | 1.9  |  | 11.3 | 12.2 | 12.5 |
| 30   | 43   | 53   | 66   | 79   | 100  |  | 100  | 77   | 44   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 45.0 | 44.0 | 43.1 | 44.3 | 44.8 | 44.8 | 44.6 | 44.4 | 42.8 | 43.5 |
| 11.7 | 12.7 | 13.6 | 12.4 | 11.9 | 11.9 | 12.1 | 12.3 | 13.9 | 13.2 |
| 30   | 25   | 21   | 16   | 11   |      | 11   | 16   | 20   | 29   |

|      |      |      |      |  |  |      |      |      |
|------|------|------|------|--|--|------|------|------|
| 44.8 | 45.2 | 51.9 | 55.1 |  |  | 45.2 | 44.5 | 43.9 |
| 11.9 | 11.5 | 4.8  | 1.6  |  |  | 11.5 | 12.2 | 12.8 |
| 53   | 64   | 77   | 100  |  |  | 100  | 77   | 55   |

Sta +  $\pi$  - Elev

956.68

18+00

✓

TP 4.62 950.85 10.45 946.23

18+54

✓

+72

✓

Oct 26, 1960

78

32

RT

LT

Z

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 44.7 | 43.9 | 42.5 | 43.5 | 43.8 | 44.1 | 43.9 | 43.5 | 42.2 | 42.2 |
| 12.0 | 12.8 | 14.2 | 13.2 | 12.9 | 12.6 | 12.8 | 13.2 | 14.5 | 14.5 |
| 53   | 30   | 22   | 16   | 11   |      | 11   | 16   | 20   | 24   |
| 53.0 | 55.9 |      |      |      | 45.8 | 45.5 | 45.2 | 44.0 | 43.6 |
| 3.7  | 0.8  |      |      |      | 10.9 | 11.2 | 11.5 | 12.7 | 13.1 |
| 74   | 100  |      |      |      | 100  | 90   | 60   | 34   | 28   |

Spike in PP RT Sta 18+00

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 45.2 | 43.6 | 42.9 | 43.1 | 43.2 | 43.0 | 42.7 | 41.2 | 41.5 | 42.9 |
| 5.7  | 7.3  | 8.0  | 7.8  | 7.7  | 7.9  | 8.2  | 9.7  | 9.4  | 8.0  |
| 75   | 52   | 23   | 11   |      | 11   | 16   | 19   | 23   | 27   |

under  
sewer  
construction

|      |      |      |      |
|------|------|------|------|
| 45.7 | 45.3 | 44.7 | 44.1 |
| 5.2  | 5.6  | 6.2  | 6.8  |
| 110  | 100  | 74   | 50   |

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 43.7 | 43.2 | 43.2 | 42.3 | 42.8 | 43.0 |
| 7.2  | 7.7  | 7.7  | 8.6  | 8.1  | 7.9  |
| 100  | 81   | 63   | 18   | 11   |      |

Same  
Sta. 18+5\*

|      |
|------|
| 44.8 |
| 6.1  |
| 150  |

| Sta | + | $\pi$ | - | ELV |
|-----|---|-------|---|-----|
|-----|---|-------|---|-----|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 950.85 |  |  |
|--|--|--------|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 18+87 |  |  |  |  |
|-------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 19+00 |  |  |  |  |
|-------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +35 |  |  |  |  |
|-----|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|



Lt

L

Oct 26, 1940

At

79  
33

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 43.1 | 43.0 | 42.0 | 42.7 | 42.8 | 42.7 | 42.4 | 41.0 | 41.1 |
| 7.8  | 7.9  | 8.9  | 8.2  | 8.1  | 8.2  | 8.5  | 9.9  | 9.8  |
| 74   | 57   | 23   | 11   |      | 11   | 16   | 19   | 24   |
| 44.0 |      |      |      |      | 43.8 | 43.3 | 42.6 | 42.3 |
| 6.9  |      |      |      |      | 7.1  | 7.6  | 8.3  | 8.6  |
| 100  |      |      |      |      | 100  | 67   | 46   | 27   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 43.0 | 42.4 | 42.1 | 42.6 | 42.7 | 42.6 | 42.5 | 40.7 | 40.8 |
| 7.9  | 8.5  | 8.8  | 8.3  | 8.2  | 8.3  | 8.4  | 10.2 | 10.1 |
| 58   | 30   | 15   | 10   | 8.5  | 11   | 16   | 19   | 22   |
| 43.2 | 44.7 |      |      |      | 43.5 | 42.9 | 42.1 | 42.0 |
| 7.7  | 6.2  |      |      |      | 7.4  | 8.0  | 8.8  | 8.9  |
| 73   | 100  |      |      |      | 100  | 74   | 44   | 28   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 43.7 | 42.8 | 42.2 | 42.3 | 42.4 | 42.3 | 42.2 | 40.7 | 40.8 |
| 7.2  | 8.1  | 8.7  | 8.6  | 8.5  | 8.6  | 8.7  | 10.2 | 10.1 |
| 58   | 35   | 18   | 11   |      | 11   | 16   | 20   | 26   |
| 45.0 | 45.6 |      |      |      | 42.2 | 41.8 | 41.3 | 41.1 |
| 5.9  | 5.3  |      |      |      | 8.7  | 9.1  | 9.6  | 9.8  |
| 93   | 100  |      |      |      | 100  | 74   | 55   | 29   |

Sta

+

$\pi$

-

ELV.

950.85

19+70

✓

20+00

✓

+50

✓

Lt

P

Oct 24 1960 80  
34

Rt

34

42.7

8.2

29

41.2

9.7

20

41.6

9.3

16

42.0

8.9

11

42.1

8.8

42.0

8.9

11

41.8

9.1

16

40.5

10.4

20

40.6

10.3

26

44.2

6.7

50

45.5

5.4

81

46.8

4.1

100

41.4

9.5

100

41.1

9.8

83

40.5

10.4

42

43.3

7.6

43

41.2

9.7

24

41.1

9.8

22

41.5

9.4

16

41.8

9.1

11

42.0

8.9

41.7

9.2

11

41.5

9.4

18

40.1

10.8

19

40.3

10.6

26

44.8

6.1

51

46.3

4.6

84

46.8

4.1

94

47.3

3.6

100

40.5

10.4

100

40.1

10.8

73

40.1

10.8

37

41.5

9.4

27

40.8

10.1

22

41.3

9.6

17

41.5

9.4

11

41.7

9.2

41.4

9.5

11

41.2

9.7

16

39.9

11.0

20

40.0

10.9

26

43.6

7.3

34

44.1

6.8

45

45.7

5.2

82

46.4

4.5

100

39.4

11.5

100

39.1

11.8

72

39.4

11.5

59

39.4

11.5

41

STK

+

A

-

ELV,

950.85

21+00

✓

+48

✓

T.P.

4.54

944.63

10.76

940.09

22+00

✓



81  
35

|      |      |      |      |                 |      |      |      |      |
|------|------|------|------|-----------------|------|------|------|------|
| 40.2 | 39.8 | 40.5 | 41.1 | 41.1            | 40.8 | 40.2 | 39.6 | 38.6 |
| 10.7 | 11.1 | 10.4 | 9.8  | 9.8             | 10.1 | 10.7 | 11.3 | 12.3 |
| 24   | 20   | 17   | 10   |                 | 12   | 19   | 29   | 49   |
| 42.1 | 42.7 | 43.2 | 43.8 | <del>43.8</del> |      |      | 37.7 | 38.0 |
| 8.8  | 8.2  | 7.7  | 7.1  |                 |      |      | 13.2 | 12.9 |
| 32   | 58   | 88   | 100  |                 |      |      | 100  | 83   |

| 39.7 | 39.4 | 40.4 | 40.6 | 40.7 | 40.3 | 40.0 | 38.9 | 39.1 |
|------|------|------|------|------|------|------|------|------|
| 4.9  | 5.2  | 4.2  | 4.0  | 3.9  | 4.3  | 4.6  | 5.7  | 5.5  |
| 23   | 20   | 16   | 10   |      | 11   | 17   | 21   | 25   |
| 41.6 | 41.9 | 41.8 |      |      | 38.9 | 38.1 | 38.8 | 38.9 |
| 3.0  | 2.7  | 2.8  |      |      | 5.7  | 6.5  | 5.8  | 5.7  |
| 30   | 43   | 56   |      |      | 100  | 72   | 60   | 50   |

sewer construction

Sta

+

$\pi$

-

ELV

944.63

22+35

v

+63

v

+74

v

Oct 26, 1960 82  
36

Lt

E

Rt

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 4.9<br>25 | 5.2<br>20 | 4.4<br>16 | 4.3<br>11 | 4.2<br>11 | 4.5<br>11 | 4.8<br>17 | 5.8<br>23 | 5.6<br>26 |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

|                   |                   |                   |                   |                               |  |                    |                   |                   |
|-------------------|-------------------|-------------------|-------------------|-------------------------------|--|--------------------|-------------------|-------------------|
| 40.9<br>3.7<br>29 | 41.4<br>3.2<br>42 | 41.3<br>3.3<br>56 | 41.5<br>3.1<br>72 | <del>✓</del><br>✓<br>s const. |  | 36.6<br>8.0<br>100 | 37.5<br>7.1<br>63 | 38.4<br>6.2<br>34 |
|-------------------|-------------------|-------------------|-------------------|-------------------------------|--|--------------------|-------------------|-------------------|

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 5.3<br>24 | 5.4<br>20 | 4.6<br>16 | 4.5<br>11 | 4.4<br>11 | 4.7<br>11 | 5.1<br>17 | 6.1<br>22 | 6.6<br>30 |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| 4.2<br>29 | 3.8<br>37 | 3.1<br>41 | 3.2<br>57 | 3.2<br>74 |
|-----------|-----------|-----------|-----------|-----------|

|            |           |           |
|------------|-----------|-----------|
| 8.3<br>100 | 7.7<br>78 | 6.5<br>51 |
|------------|-----------|-----------|

|           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| 4.4<br>11 | 4.8<br>18 | 5.4<br>22 | 6.7<br>22 | 6.7<br>29 |
|-----------|-----------|-----------|-----------|-----------|

SAME as  
 STA. 22 + 6 w

|            |           |           |           |           |
|------------|-----------|-----------|-----------|-----------|
| 7.0<br>100 | 6.8<br>90 | 6.0<br>84 | 6.0<br>69 | 6.3<br>35 |
|------------|-----------|-----------|-----------|-----------|

Sta

+

$\pi$

-

ELV.

944.63

23+00

✓

+39

✓

+44

✓



Oct 26 1960

83

Lt

Rt

37

|      |      |      |      |                |     |      |      |      |
|------|------|------|------|----------------|-----|------|------|------|
| 39.0 | 39.0 | 39.7 | 39.8 | <del>4.7</del> | 5.0 | 39.2 | 37.5 | 37.4 |
| 5.6  | 5.6  | 4.9  | 4.8  | 4.7            | 5.0 | 5.4  | 7.1  | 7.2  |
| 23   | 19   | 16   | 11   |                | 11  | 18   | 22   | 31   |

|      |      |      |        |  |  |      |      |      |
|------|------|------|--------|--|--|------|------|------|
| 39.9 | 41.4 | 41.0 | CONST. |  |  | 39.1 | 38.7 | 37.9 |
| 4.7  | 3.2  | 3.6  |        |  |  | 5.5  | 5.9  | 6.7  |
| 28   | 40   | 56   |        |  |  | 89   | 64   | 35   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 39.0 | 38.6 | 39.3 | 39.5 | 39.7 | 39.3 | 38.9 | 36.6 | 38.0 |
| 5.6  | 6.0  | 5.3  | 5.1  | 4.9  | 5.3  | 5.7  | 8.0  | 6.6  |
| 39   | 20   | 16   | 11   |      | 11   | 16   | 23   | 27   |

|      |      |      |  |  |  |      |      |      |      |
|------|------|------|--|--|--|------|------|------|------|
| 39.4 | 40.3 | 42.1 |  |  |  | 38.3 | 38.4 | 38.3 | 38.2 |
| 5.2  | 4.3  | 2.5  |  |  |  | 6.3  | 6.2  | 6.3  | 6.4  |
| 57   | 72   | 100  |  |  |  | 100  | 90   | 72   | 49   |

|      |      |      |      |                |
|------|------|------|------|----------------|
| 39.7 | 39.3 | 38.9 | 36.8 | 36.1           |
| 4.9  | 5.3  | 5.7  | 7.8  | <del>8.5</del> |
|      | 11   | 16   | 22   | 37             |

Same as STA. 23+39

|      |      |      |
|------|------|------|
| 35.6 | 35.6 | 35.7 |
| 9.0  | 9.0  | 8.9  |
| 100  | 88   | 65   |

| Sta | + | $\Sigma$ | - | ELV. |
|-----|---|----------|---|------|
|-----|---|----------|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 944.63 |  |  |
|--|--|--------|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 23+70 |  |  |  |  |
|-------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|      |      |        |      |  |
|------|------|--------|------|--|
| T.P. | 7.04 | 944.63 | 7.04 |  |
|------|------|--------|------|--|

|  |  |  |        |           |
|--|--|--|--------|-----------|
|  |  |  | E 8.74 | FL 935.89 |
|--|--|--|--------|-----------|

|      |  |  |        |           |
|------|--|--|--------|-----------|
| T.P. |  |  | W 7.65 | FL 936.98 |
|------|--|--|--------|-----------|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

Lt

RP

Oct 26 1960

84

Rt

38

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 38.6 | 38.1 | 39.3 | 39.4 | 39.5 | 39.2 | 38.9 | 37.1 | 36.2 |
| 6.0  | 6.5  | 5.3  | 5.2  | 5.1  | 5.4  | 5.7  | 7.5  | 8.4  |
| 39   | 25   | 16   | 12   |      | 11   | 16   | 22   | 28   |

|      |      |   |  |  |      |      |      |
|------|------|---|--|--|------|------|------|
| 38.5 | 39.3 |   |  |  | 35.3 | 35.5 | 35.8 |
| 6.1  | 5.3  | 5 |  |  | 9.3  | 9.1  | 8.8  |
| 53   | 70   |   |  |  |      |      | 46   |

Sta 23+95 CULVERT 18" SEP <sup>Top</sup> 100 <sup>End</sup> 72

STA 23+95 CULVERT 18" SEP

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 38.2 | 37.6 | 38.8 | 39.3 | 39.5 | 39.3 | 38.8 | 36.3 | 35.8 | 35.6 |
| 6.4  | 7.0  | 5.8  | 5.3  | 5.1  | 5.3  | 5.8  | 8.3  | 8.8  | 9.0  |
| 56   | 25   | 19   | 11   |      | 11   | 16   | 24   | 52   | 77   |

|      |  |      |      |  |  |  |  |      |
|------|--|------|------|--|--|--|--|------|
| 38.5 |  | 40.1 | 40.8 |  |  |  |  | 35.6 |
| 6.1  |  | 4.5  | 3.8  |  |  |  |  | 9.0  |
| 69   |  | 93   | 100  |  |  |  |  | 100  |

|      |      |      |      |      |      |      |       |      |
|------|------|------|------|------|------|------|-------|------|
| 37.9 | 38.0 | 39.4 | 39.6 | 39.6 | 39.5 | 39.0 | 37.65 | 37.8 |
| 6.7  | 6.6  | 5.2  | 5.0  | 5.0  | 5.1  | 5.6  | 6.98  | 6.8  |
| 53   | 29   | 21   | 10   |      | 11   | 16   | 23    | 28   |

Top 15" CM ENLV.

|      |           |  |  |  |  |      |      |      |
|------|-----------|--|--|--|--|------|------|------|
| 38.3 |           |  |  |  |  | 36.3 | 36.1 | 36.6 |
| 6.3  | S. Const. |  |  |  |  | 8.3  | 8.5  | 8.0  |
| 70   |           |  |  |  |  | 100  | 83   | 54   |

Sta

+

K

-

ELV

944.63

+70

✓

25+00

✓

BM

6.77

947.14

4.26

940.37

940.36

+50

✓



Oct 26, 1960

Lt

P

Rt

39<sup>85</sup>38.0  
6.6

50

37.6  
7.0

29

39.1  
5.5

21

39.7  
4.9

11

39.8  
4.8

12

39.5  
5.1

12

38.7  
5.9

18

37.82  
6.81

23

36.9  
7.7

34

36.8  
7.8

76

Top W. End 15" Cul

38.5  
6.1

6.5

S. Const.

✓

37.2  
7.4

100

38.2  
6.4

47

37.7  
6.9

24

39.4  
5.2

17

39.9  
4.7

11

40.0  
4.6

11

39.8  
4.8

11

39.1  
5.5

17

37.4  
7.2

21

36.6  
8.0

31

36.4  
8.2

56

38.8  
5.8

59

39.0  
5.6

82

✓

37.0  
7.6

100

37.0  
7.6

90

Top Breather Pipe #18 SW of Silver Lake Rd  
+ Lakeview Dr39.3  
7.8

65

38.7  
8.4

45

38.4  
8.7

24

40.4  
6.7

17

40.7  
6.4

11

40.5  
6.6

11

39.8  
7.3

17

37.1  
10.0

27

36.9  
10.2

48

40.6  
6.5

100

✓

38.0  
9.1

100

37.0  
10.1

74

36.5  
10.6

58

Sta +  $\pi$  - Elev

947.14

+80

✓

+94

✓

26+02

14

+15  $\pm$  Lakeview

Bm

3.18 943.96 943.94

✓

Oct 26, 1960

86  
40

Lt

R

Rt

40.5

6.6

67

40.1

7.0

42

39.8

7.3

28

40.5

6.6

16

41.3

5.8

11

41.0

6.1

11

40.2

6.9

18

38.2

8.9

26

37.6

9.5

50

42.3

4.8

100

✓

39.1

8.0

100

38.0

9.1

70

41.1

6.0

100

40.4

6.7

62

41.0

6.1

44

41.0

6.1

27

41.5

5.6

11

41.3

5.8

11

40.6

6.5

18

39.2

7.9

24

38.7

8.4

41

✓

40.1

7.0

100

38.5

8.6

71

✓

41.7

5.4

41.8

5.3

21

42.0

5.1

54

42.6

4.5

80

43.0

4.1

100

45.1

2.0

200

43.2

3.9

100

42.4

4.7

40

42.1

5.0

14

42.0

5.1

12

41.8

5.3

18

41.2

5.9

25

40.1

7.0

45

39.5

7.6

45

Nail in P.P. E of Int. of  
Lakerien Dr. + Silver  
Lake Rd.

✓

41.8

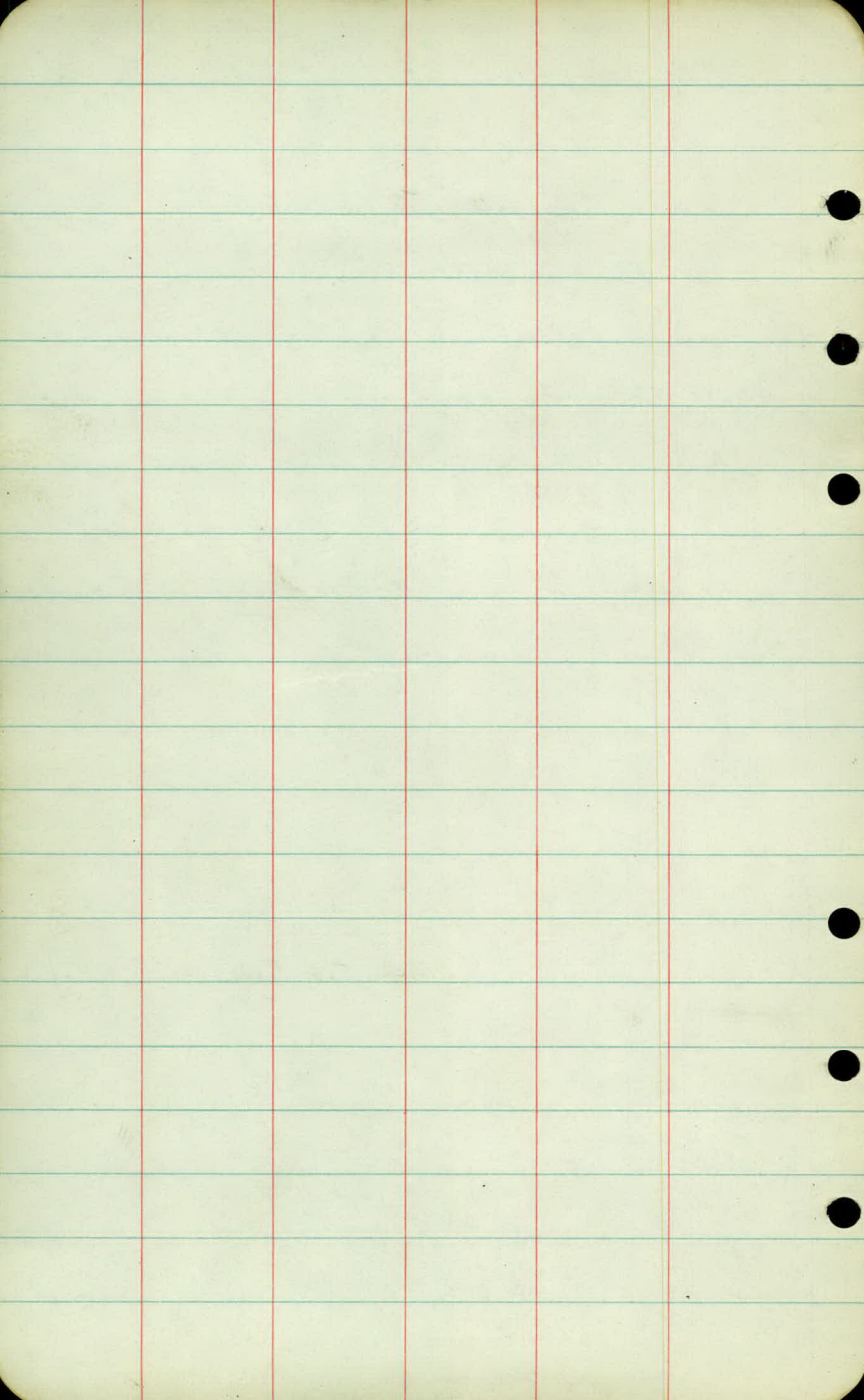
5.3

100

41.0

6.1

92





KP  
JS

FS

RB

11 JAN. 1961  
SUNNY 35°

1A  
87

SILVER LAKE ROAD  
Co. RD. D TO LAKEVIEW DRIVE

X-SECTIONS  
CORRECTIONS

PP1A-11A

| STA | +    | $\pi$  | - | ELEV.  |
|-----|------|--------|---|--------|
| BM  | 7.84 | 952.78 |   | 944.94 |

4+00 Lt only under bridge

+18 Lt only under bridge

+37 Lt only under bridge

+47 Lt only under bridge

+50 Lt only

+79 Lt only

11 JAN 1961

ZA 88

LT

E

TOP ANGLE-IRON HIGH LINE STANDARD 100' LT STA 4150

|       |       |      |      |      |       |       |      |      |
|-------|-------|------|------|------|-------|-------|------|------|
| 47.47 | 47.45 | 46.9 | 46.2 | 46.1 | 47.02 | 47.02 | 46.5 | 46.1 |
| 5.31  | 5.33  | 5.9  | 6.6  | 6.7  | 5.76  | 5.76  | 6.3  | 6.7  |
| 131   | 109   | 100  | 88   | 73   | 52    | 30    | 29   |      |

M. RAIL TOPS RAIL

TOP N. RAIL TOP S. RAIL

|      |      |      |       |      |      |       |       |      |      |
|------|------|------|-------|------|------|-------|-------|------|------|
| 44.0 | 43.5 | 45.4 | 43.61 | 44.9 | 46.4 | 46.94 | 46.98 | 46.4 | 45.9 |
| 8.8  | 9.3  | 7.4  | 9.17  | 7.9  | 6.4  | 5.84  | 5.80  | 6.4  | 6.9  |
| 125  | 109  | 100  | 92    | 78   | 60   | 50    | 29    | 52   | 28   |

TOP N. RAIL TOP S. RAIL

|      |      |      |      |       |      |      |      |      |      |      |
|------|------|------|------|-------|------|------|------|------|------|------|
| 44.0 | 44.4 | 42.3 | 41.4 | 42.16 | 45.5 | 45.0 | 45.5 | 46.5 | 46.0 | 45.4 |
| 8.8  | 8.4  | 10.5 | 11.4 | 10.62 | 7.3  | 7.8  | 7.3  | 6.3  | 6.8  | 7.4  |
| 125  | 102  | 98   | 89   | 84    | 75   | 69   | 48   | 26   | 15   |      |

TOP N. RAIL TOP S. RAIL

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 43.9 | 43.9 | 42.1 | 42.5 | 40.8 | 41.2 | 45.7 | 45.2 | 47.8 | 51.5 | 52.0 | 52.0 |
| 8.9  | 8.9  | 10.7 | 10.3 | 12.0 | 11.6 | 7.1  | 7.6  | 5.0  | 1.3  | 0.8  | 0.8  |
| 125  | 111  | 107  | 94   | 91   | 85   | 77   | 65   | 48   | 33   | 23   |      |

DITCH

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 41.8 | 41.5 | 42.8 | 40.1 | 41.8 | 45.6 | 45.0 | 45.7 | 49.6 |
| 11.0 | 11.3 | 10.0 | 12.7 | 11.0 | 7.2  | 7.8  | 7.1  | 3.2  |
| 125  | 103  | 100  | 94   | 91   | 85   | 78   | 72   | 64   |

ICE ICE

|      |      |      |      |      |       |      |      |
|------|------|------|------|------|-------|------|------|
| 45.2 | 44.9 | 45.5 | 48.1 | 46.2 | 45.72 | 47.4 | 49.5 |
| 7.6  | 7.9  | 7.3  | 4.7  | 6.6  | 7.06  | 5.4  | 3.3  |
| 125  | 100  | 86   | 74   | 69   | 60    | 57   | 56   |

TOP BOTTOM  
MH WALL  
TCA

TOP WALL



✓

True

| STA | + | $\pi$ | - | ELEV |
|-----|---|-------|---|------|
|-----|---|-------|---|------|

952.78

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 12.28 | 964.38 | 0.68 | 952.10 |
|----|-------|--------|------|--------|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 11.30 | 972.73 | 2.95 | 961.43 |
|----|-------|--------|------|--------|

5.95 966.78  
966.68

966.66

5+00

+21

+50

6+00

+50

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 6.30 | 967.62 | 11.41 | 961.32 |
|----|------|--------|-------|--------|



11 JAN 1961

89  
3A

LT

✗

TOP ROCK 50.0 LT 4+85

TOP ROCK 30.0 LT STA 4+80

TOP NAIL ✗ STA 6+00

✓  
62.7 57.9 55.6 56.8 65.2 70.5 71.1 71.25  
10.0 14.8 17.1 15.9 7.5 2.2 1.6 1.48  
125 97 70 48 29 16 11

✓  
65.3 65.7 63.8 63.3 66.0 66.4 70.0 70.5 70.7  
7.4 7.0 8.9 9.4 6.7 6.3 2.7 2.2 2.0  
125 100 92 68 56 30 16 11

✓  
66.4 66.7 66.9 67.5 67.6 68.7 69.3 69.5  
6.3 6.0 5.8 5.2 5.1 4.0 3.4 3.2  
125 100 73 49 23 16 11

✓  
68.0 68.1 67.9 66.9 66.9 66.9 66.5 66.5 66.7  
4.7 4.6 4.8 5.8 5.8 5.8 6.2 6.2 6.0  
125 100 90 69 45 21 16 11

✓  
67.4 68.4 67.2 66.1 66.1 63.9 63.9 64.1  
5.3 4.3 5.5 6.6 6.6 8.8 8.8 8.6  
125 100 75 52 26 18 11

TOP NAIL ✗ STA 7+00

| STA  | +                      | $\pi$  | -    | ELEV   |
|------|------------------------|--------|------|--------|
|      |                        | 967.62 |      |        |
| 6+90 | TOP ERM<br>MH. 65.0 LT |        | 1.19 | 966.43 |
| 7+00 |                        |        |      |        |
| +50  |                        |        |      |        |
| 8+14 |                        |        |      |        |
| +50  |                        |        |      |        |
| 9+04 |                        |        |      |        |

11 JAN. 1961

4A  
90

LH

4

✓ 6.1 6.2 6.1 6.8 6.6 6.7 6.4 6.3 6.3  
1.5 0.4 0.5 1.8 2.0 1.9 6.2 6.3 6.3  
125 100 86 65 49 26 18 10

✓ 6.1 6.1 6.4 6.8 6.6 6.0 5.9 5.7 5.8  
2.5 1.5 1.2 1.8 3.0 2.6 8.7 8.9 8.8  
125 110 104 85 62 29 16 10

✓ 6.3 6.0 6.1 6.6 6.2 6.2 5.9 5.0  
2.3 1.6 2.5 4.0 4.4 11.4 11.7 11.6  
125 100 79 53 29 16 10

✓ 6.2 6.1 6.5 6.8 6.2 6.2 5.5 5.4  
3.4 2.5 3.1 4.8 5.5 12.4 13.1 12.9  
125 100 92 56 30 18 10

✓ 6.3 6.9 6.3 6.2 6.4 6.4 5.3 5.3  
5.3 3.7 5.3 6.4 7.2 14.2 14.5 14.4  
125 100 81 50 28 16 10

| STA   | +                          | $\pi$  | -     | ELEV.         |
|-------|----------------------------|--------|-------|---------------|
|       |                            | 967.62 |       |               |
| 9+50  |                            |        |       |               |
| +79   | TOP E.B.M.<br>M.H. 64.0 LT |        | 10.17 | 957.45        |
| 10+00 |                            |        |       |               |
| BM    |                            |        | 13.05 | 954.57 954.53 |
| TP    | 5.80                       | 962.44 | 10.98 | 956.64        |



11 JAN. 1961

5A  
91

LT

✓ 6.2 6.5 6.1 5.9 5.3 5.1 5.2 5.2  
6.4 5.1 6.5 7.7 8.3 14.2 15.0 14.9  
125 100 70 49 29 18 10

✓ 6.1 6.1 5.3 5.8 5.0 5.6 5.6 5.6  
7.5 7.2 8.3 8.8 9.6 15.0 15.0 15.0  
125 100 70 44 28 14 10

TOP BREATHER PIPE S.W. OF ENT TO SUNSET  
LANE

TOP NAIL & STA 8+00

STA

+

$\pi$

-

ELEV.

962.44

8+14

+50

9+04

+50

10+00

+50

11 JAN 1961

6A  
92

~~X~~ ~~6.4~~ ~~56.0~~  
11 18 36 42 58 79 100 125  
54.6 54.3 54.1 50.3 50.6 53.7 55.4 56.1 56.6

~~X~~ ~~7.8~~ ~~8.1~~ ~~8.3~~ ~~12.1~~ ~~11.8~~ ~~8.7~~ ~~7.0~~ ~~6.3~~ ~~5.8~~  
11 16 26 41 68 92 107 125  
54.6 54.3 54.1 50.3 50.6 53.7 55.4 56.1 56.6

~~X~~ ~~9.2~~ ~~9.4~~ ~~10.4~~ ~~11.2~~ ~~8.2~~ ~~5.0~~ ~~4.3~~ ~~4.5~~ ~~4.8~~  
11 20 33 54 77 83 100 125  
53.2 53.0 52.0 51.2 54.2 57.4 58.1 57.9 57.6

~~X~~ ~~9.8~~ ~~9.9~~ ~~10.6~~ ~~9.0~~ ~~6.2~~ ~~5.8~~ ~~5.5~~ ~~5.4~~  
11 27 42 62 87 100 125  
52.6 52.5 51.8 53.4 56.2 56.6 56.9 57.0

~~X~~ ~~9.73~~ ~~9.9~~ ~~10.3~~ ~~8.9~~ ~~6.3~~ ~~6.2~~ ~~6.7~~ ~~6.4~~  
11 30 48 62 83 100 125  
52.71 52.5 52.1 53.5 56.1 56.2 55.7 56.0

~~X~~ ~~9.5~~ ~~9.8~~ ~~10.1~~ ~~9.5~~ ~~7.0~~ ~~6.9~~ ~~7.3~~ ~~7.4~~  
11 25 44 61 83 100 125  
52.9 52.6 52.3 52.9 55.4 55.5 55.1 55.0

| STA | + | $\pi$ | - | ELEV |
|-----|---|-------|---|------|
|-----|---|-------|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 962.44 |  |  |
|--|--|--------|--|--|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|     |      |        |      |        |        |
|-----|------|--------|------|--------|--------|
| TP. | 5.34 | 959.92 | 7.86 | 954.58 | 954.53 |
|-----|------|--------|------|--------|--------|

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

|     |  |  |  |  |  |
|-----|--|--|--|--|--|
| +35 |  |  |  |  |  |
|-----|--|--|--|--|--|



11 JAN 1961

7A  
93

R+

✓  
A  
53.43  
9.01  
53.1  
9.3  
52.9  
9.5  
52.1  
10.3  
52.4  
10.0  
54.4  
8.0  
54.0  
8.4  
55.0  
7.4  
58

54.2  
8.2  
125  
53.8  
8.6  
100  
54.6  
7.8  
80

✓  
53.5  
8.9  
53.3  
9.1  
53.0  
9.4  
52.2  
10.2  
52.2  
10.2  
53.5  
8.9  
54.0  
8.4  
53.1  
9.3  
52.9  
9.5  
11  
18  
20  
24  
30  
44  
72  
93

52.4  
10.0  
111  
52.4  
10.0  
100

TOP BREATHER PIPE S.W. OF ENT TO SUNSET LANE

✓  
53.47  
6.45  
53.3  
6.6  
53.4  
6.5  
52.1  
7.8  
52.1  
7.8  
54.3  
5.6  
54.2  
5.7  
54.4  
5.5  
53.8  
6.1  
53.9  
6.0  
53.9  
6.0  
10  
16  
20  
23  
29  
40  
54  
87  
109  
125

✓  
53.2  
6.7  
53.0  
6.9  
53.0  
6.9  
51.9  
8.0  
51.5  
8.4  
55.3  
4.6  
54.9  
5.0  
54.5  
5.4  
54.0  
5.9  
54.0  
5.9  
11  
16  
20  
26  
34  
47  
70  
100  
125

| STA | + | $\pi$ | - | ELEV. |
|-----|---|-------|---|-------|
|-----|---|-------|---|-------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 959.92 |  |  |
|--|--|--------|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 12+70 |  |  |  |  |
|-------|--|--|--|--|

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

|     |   |             |  |  |
|-----|---|-------------|--|--|
| +08 | ⊥ | SUNSET LANE |  |  |
|-----|---|-------------|--|--|

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

|     |  |  |  |  |
|-----|--|--|--|--|
| +41 |  |  |  |  |
|-----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| TP |  |  |  |  |
|----|--|--|--|--|

|  |  |      |        |        |
|--|--|------|--------|--------|
|  |  | 5.34 | 954.58 | 954.53 |
|--|--|------|--------|--------|

11 JAN. 1961

8A  
94

#

Rt.

SAME AS +35 ✓

|     |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|
| ✓   | 52.8 | 52.8 | 52.7 | 52.0 | 51.5 | 51.3 | 50.7 |
| 7.1 | 7.1  | 7.2  | 7.9  | 8.4  | 8.6  | 9.2  |      |
| 11  | 11   | 31   | 60   | 84   | 100  | 125  |      |

|     |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|
| ✓   | 52.7 | 52.7 | 52.5 | 51.9 | 51.5 | 51.3 | 50.7 |
| 7.2 | 7.2  | 7.4  | 8.0  | 8.4  | 8.6  | 9.2  |      |
| 11  | 11   | 34   | 64   | 90   | 100  | 125  |      |

|     |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|
| ✓   | 52.5 | 52.4 | 52.3 | 51.7 | 52.3 | 52.2 | 51.9 | 51.3 | 51.0 |
| 7.4 | 7.5  | 7.6  | 8.2  | 7.6  | 7.7  | 8.0  | 8.6  | 8.9  |      |
| 11  | 20   | 25   | 34   | 55   | 74   | 100  | 125  |      |      |

|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| ✓   | 52.2 | 52.1 | 52.0 | 50.9 | 50.9 | 53.0 | 54.1 | 53.9 | 54.0 | 53.9 |
| 7.7 | 7.8  | 7.9  | 9.0  | 9.0  | 6.9  | 5.8  | 6.0  | 5.9  | 6.0  |      |
| 11  | 16   | 19   | 27   | 31   | 38   | 61   | 77   | 100  |      |      |
|     |      |      |      |      |      |      |      | 53.6 | 6.3  |      |
|     |      |      |      |      |      |      |      | 125  |      |      |

TOP BREATHER PIPE SW ENT TO SUNSET

LANE.

| STA | +    | $\pi$  | - | ELEV   |
|-----|------|--------|---|--------|
| BM  | 6.18 | 960.76 |   | 954.58 |

10+50

11+00

+50

12+00

|     |                        |      |        |
|-----|------------------------|------|--------|
| +03 | TOPT.C.A<br>MH 15.0 LT | 7.85 | 952.91 |
|-----|------------------------|------|--------|

+35

|     |                          |      |        |
|-----|--------------------------|------|--------|
| +61 | TOP W.RIM<br>MH 120.0 LT | 7.30 | 953.46 |
|-----|--------------------------|------|--------|

|     |                         |      |        |
|-----|-------------------------|------|--------|
| +67 | TOP E.RIM<br>MH 64.0 LT | 8.02 | 952.74 |
|-----|-------------------------|------|--------|

+70

|     |                         |      |        |
|-----|-------------------------|------|--------|
| +83 | TOP N RIM<br>MH 92.0 LT | 7.79 | 952.97 |
|-----|-------------------------|------|--------|



KP  
JS  
FS  
RB

12 JAN 1961  
SUNNY 35°

9A  
95

LT

TOP BREATHER PIPE SW. ENT. TO SUNSET LANE

|     |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|
| ✓   | 58.9 | 59.5 | 59.0 | 58.9 | 56.8 | 53.1 | 53.0 | 53.0 |
| 1.9 | 1.3  | 1.8  | 2.9  | 4.0  | 7.7  | 7.8  | 7.8  |      |
| 125 | 100  | 74   | 51   | 28   | 16   | 10   |      |      |

|     |      |      |      |      |      |      |      |        |
|-----|------|------|------|------|------|------|------|--------|
| ✓   | 59.0 | 59.0 | 57.0 | 56.2 | 54.4 | 53.5 | 53.5 | 53.4.3 |
| 1.8 | 1.8  | 3.8  | 4.6  | 6.4  | 7.3  | 7.3  | 7.3  | 7.33   |
| 125 | 100  | 65   | 42   | 27   | 16   | 10   |      |        |

|     |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|
| ✓   | 57.4 | 58.1 | 57.7 | 56.2 | 55.6 | 54.8 | 53.6 | 53.7 | 53.6 |
| 3.4 | 2.7  | 3.1  | 4.6  | 5.2  | 6.0  | 7.2  | 7.1  | 7.2  |      |
| 125 | 111  | 100  | 71   | 50   | 28   | 16   | 10   |      |      |

|     |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|
| ✓   | 56.2 | 56.7 | 55.9 | 55.6 | 53.6 | 53.5 | 53.4 | 53.5 |
| 4.6 | 4.1  | 4.9  | 5.2  | 7.2  | 7.3  | 7.4  | 7.3  |      |
| 125 | 100  | 75   | 48   | 28   | 16   | 10   |      |      |

|     |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|
| ✓   | 57.0 | 56.3 | 56.3 | 55.5 | 55.5 | 53.1 | 53.2 | 53.3 |
| 3.8 | 4.5  | 4.5  | 5.3  | 5.3  | 7.7  | 7.6  | 7.5  |      |
| 125 | 100  | 91   | 67   | 38   | 29   | 10   |      |      |

|     |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|
| ✓   | 55.5 | 56.4 | 56.3 | 55.0 | 54.7 | 53.0 | 53.1 | 53.1 |
| 5.3 | 4.4  | 4.5  | 5.8  | 6.1  | 7.8  | 7.7  | 7.7  |      |
| 125 | 100  | 83   | 51   | 34   | 28   | 10   |      |      |

| STA   | +                          | $\pi$  | -    | ELEV.  |
|-------|----------------------------|--------|------|--------|
|       |                            | 960.76 |      |        |
| 13+00 |                            |        |      |        |
| +02   | TOPERIM<br>MH 158'0" LT    |        | 7.62 | 953.14 |
| +08   | SUNSET LANE                |        |      |        |
| +27   |                            |        |      |        |
| +41   |                            |        |      |        |
| +53   | TOP W. RIM<br>MH 118'0" LT |        | 7.18 | 953.58 |
| +75   |                            |        |      |        |
| 14+00 |                            |        |      |        |

12 JAN. 1961

10A  
96

LT

~~✓~~

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 54.2 | 54.5 | 53.8 | 53.4 | 52.5 | 52.3 | 52.7 | 52.8 |
| 6.6  | 6.3  | 7.0  | 7.4  | 8.3  | 8.5  | 8.1  | 8.0  |
| 125  | 100  | 82   | 61   | 40   | 25   | 10   |      |

~~✓~~

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 54.0 | 54.4 | 53.9 | 53.1 | 52.7 | 52.2 | 52.6 | 52.7 |
| 6.8  | 6.4  | 6.9  | 7.7  | 8.09 | 8.6  | 8.2  | 8.1  |
| 125  | 100  | 90   | 58   | 43   | 25   | 10   |      |

MH

~~✓~~

|      |      |       |      |      |      |      |      |
|------|------|-------|------|------|------|------|------|
| 53.7 | 54.0 | 53.35 | 53.3 | 53.0 | 51.8 | 52.4 | 52.5 |
| 7.1  | 6.8  | 7.41  | 7.5  | 7.8  | 9.0  | 8.4  | 8.3  |
| 125  | 100  | 93    | 89   | 52   | 26   | 10   |      |

M.H

~~✓~~

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 53.8 | 53.7 | 53.8 | 52.9 | 52.8 | 51.6 | 52.2 | 52.3 |
| 7.0  | 7.1  | 7.0  | 7.9  | 8.0  | 9.2  | 8.6  | 8.5  |
| 125  | 100  | 94   | 75   | 47   | 23   | 10   |      |

~~✓~~

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 53.2 | 53.9 | 52.4 | 52.6 | 50.5 | 51.6 | 51.6 | 51.7 |
| 7.6  | 6.9  | 8.4  | 8.2  | 10.3 | 9.2  | 9.2  | 9.1  |
| 125  | 100  | 69   | 49   | 27   | 16   | 10   |      |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 53.2 | 54.1 | 53.5 | 52.5 | 52.7 | 50.8 | 50.2 | 50.5 | 51.2 | 51.2 | 51.2 |
| 7.6  | 6.7  | 7.3  | 8.3  | 8.1  | 10.0 | 10.6 | 10.3 | 9.6  | 9.6  | 9.6  |
| 125  | 100  | 80   | 60   | 48   | 34   | 25   | 20   | 15   | 10   |      |

~~✓~~

| STA | + | $\pi$ | - | ELEV |
|-----|---|-------|---|------|
|-----|---|-------|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 960.76 |  |  |
|--|--|--------|--|--|

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

|       |  |  |  |  |
|-------|--|--|--|--|
| 15+00 |  |  |  |  |
|-------|--|--|--|--|

|     |                   |  |  |  |
|-----|-------------------|--|--|--|
| +50 | TOP MH<br>54.6 LT |  |  |  |
|-----|-------------------|--|--|--|

|  |  |       |  |  |
|--|--|-------|--|--|
|  |  | 12.72 |  |  |
|--|--|-------|--|--|

|  |  |  |        |  |
|--|--|--|--------|--|
|  |  |  | 948.04 |  |
|--|--|--|--------|--|

|    |       |        |      |        |        |
|----|-------|--------|------|--------|--------|
| BM | 10.99 | 965.57 | 6.18 | 954.58 | 954.53 |
|----|-------|--------|------|--------|--------|

|    |  |  |      |        |        |
|----|--|--|------|--------|--------|
| TP |  |  | 4.24 | 961.33 | 961.32 |
|----|--|--|------|--------|--------|



47

11A  
97

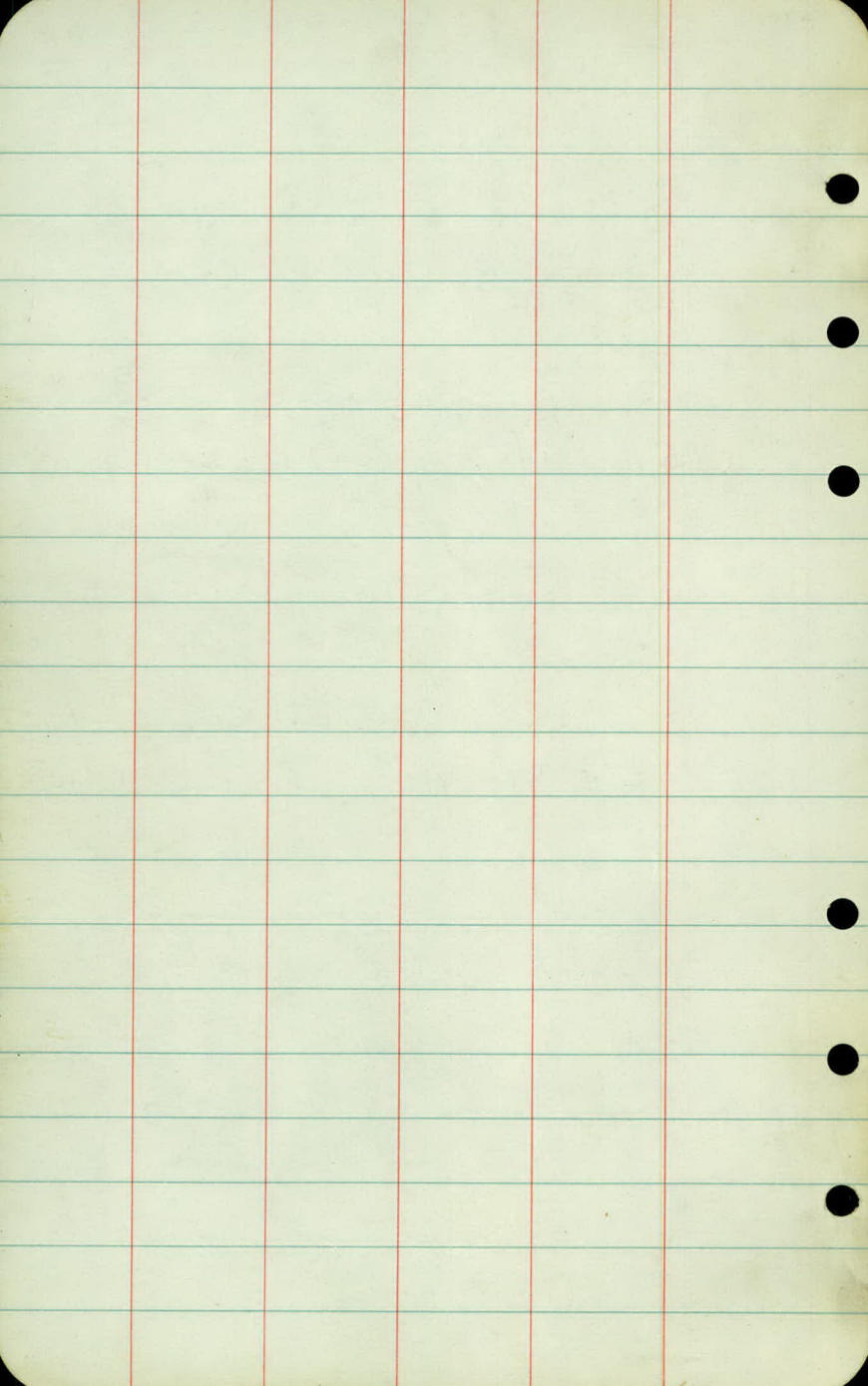
|     |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|
| ✓   | 53.3 | 53.6 | 51.5 | 50.9 | 49.4 | 49.9 | 50.3 | 50.4 |
| 7.5 | 7.2  | 9.3  | 9.9  | 11.4 | 10.9 | 10.5 | 10.4 |      |
| 125 | 100  | 63   | 50   | 26   | 20   | 10   |      |      |

|     |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|
| ✓   | 54.1 | 53.4 | 53.1 | 49.4 | 49.1 | 48.7 | 49.4 | 49.5 |
| 6.7 | 7.4  | 7.7  | 11.4 | 11.7 | 12.1 | 11.4 | 11.3 |      |
| 125 | 100  | 81   | 61   | 41   | 19   | 10   |      |      |

TOP BREATHER PIPE S.W. ENT TO SUNSET

TOP NAIL & STA 7+00

LANE



KP  
RG  
OS  
UL  
FS  
WM

20 FEB. 1961

1. 98

SILVER LAKE RD.  
CO. RD D TO LAKEVIEW DRIVE

X-SECTIONS

| STA | +     | $\pi$  | - | ELEV   |
|-----|-------|--------|---|--------|
| BM  | 12.09 | 966.62 |   | 954.53 |

6+00

6+50

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 5.42 | 961.20 |
|----|--|--|------|--------|



20 FEB 1961

2.  
99

£

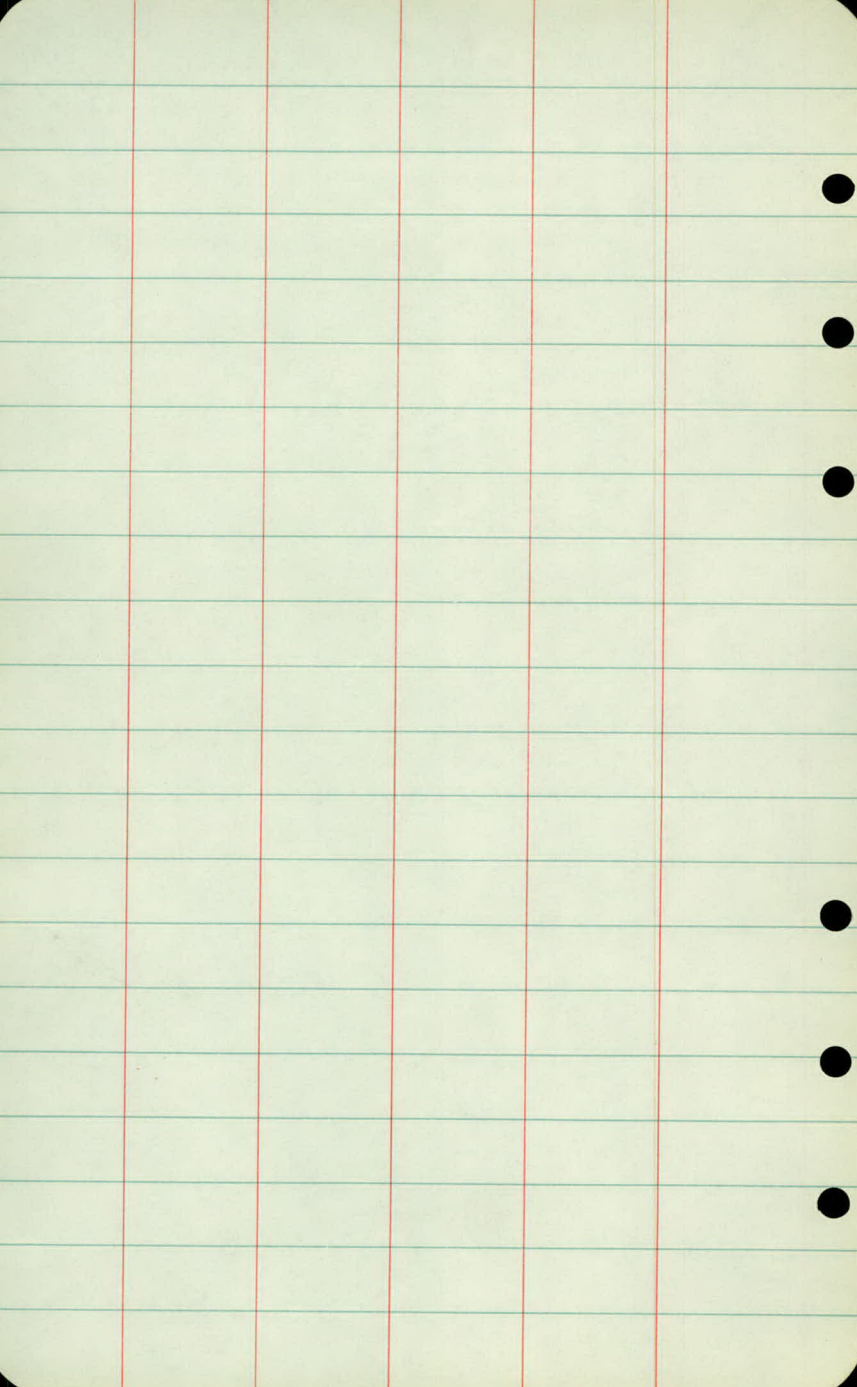
Rt

TOP BREATHER PIPE SUNSET LAKE SILVER LAKE RD.

|     |     |     |      |      |      |      |
|-----|-----|-----|------|------|------|------|
| 0.0 | 0.8 | 7.0 | 12.6 | 13.0 | 21.1 | 23.5 |
| 17  |     | 33  | 45   | 46   | 65   | 100  |

|     |     |     |      |      |      |
|-----|-----|-----|------|------|------|
| 2.6 | 3.1 | 4.4 | 12.5 | 21.6 | 25.5 |
| 14  | 19  |     | 35   | 60   | 100  |

TOP NAIL £ STA 7+00



KP  
JS  
FS

17 FEB 1961  
SUNNY 35°

1,  
100

X- SECTIONS  
SILVER LAKE RD  
CO. RD. "D" TO LAKEVIEW DRIVE

4 PAGES

| STA | +    | $\pi$  | - | ELEV.  |
|-----|------|--------|---|--------|
| BM  | 3.72 | 958.25 |   | 954.53 |

12+70

|       |                   |  |      |        |
|-------|-------------------|--|------|--------|
| 14+10 | TOP MH<br>20.0 RT |  | 9.96 | 948.29 |
|-------|-------------------|--|------|--------|

|    |      |        |      |        |
|----|------|--------|------|--------|
| TP | 9.53 | 957.82 | 9.96 | 948.29 |
|----|------|--------|------|--------|

15+50

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 3.40 | 949.03 | 12.19 | 945.63 |
|----|------|--------|-------|--------|

17+10

|       |                   |  |      |        |
|-------|-------------------|--|------|--------|
| 18+10 | TOP MH<br>20.0 RT |  | 6.61 | 942.42 |
|-------|-------------------|--|------|--------|



17 FEB. 1961

LT

E

RT

2.  
101

TOP BREATHER PIPE AT SUNSET LANE E

SILVER LA  
ROAD.

|       |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|
| ✓ 5.1 | 5.9 | 5.5 | 5.7 | 5.2 |     |
| 5.2   | 5.4 | 5.8 | 3.6 | 4.1 | 4.0 |
|       | 10  | 25  | 32  | 62  | 100 |

TOP MH 20.0 RT STA 14+10

|     |     |     |     |      |     |
|-----|-----|-----|-----|------|-----|
| 5.4 | 5.5 | 5.4 | 5.2 | 4.8  | 4.8 |
| 3.4 | 3.5 | 4.4 | 5.6 | 9.80 | 9.4 |
| 100 | 95  | 85  | 80  | 62   |     |
|     |     |     |     | MH   |     |

TOP NAIL E STA 17+00

| STA | + | $\pi$ | - | ELEV |
|-----|---|-------|---|------|
|-----|---|-------|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 949.03 |  |  |
|--|--|--------|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 18+21 |  |  |  |  |
|-------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 13.68 | 956.85 | 5.86 | 943.17 |
|----|-------|--------|------|--------|

|       |  |  |  |  |
|-------|--|--|--|--|
| 18+21 |  |  |  |  |
|-------|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +54 |  |  |  |  |
|-----|--|--|--|--|

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 3.95 | 947.16 | 13.64 | 943.21 |
|----|------|--------|-------|--------|

LT

Z

RT

3.  
102

| A <sup>1</sup> | A <sup>1</sup> | A <sup>2.3</sup> | A <sup>3.2</sup> | A <sup>3.6</sup> | A <sup>3.7</sup> | A <sup>3.5</sup> | A <sup>2.7</sup> | A <sup>2.5</sup> | A <sup>2.6</sup> |
|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 4.9            | 4.9            | 6.7              | 5.8              | 5.4              | 5.3              | 5.5              | 6.3              | 6.5              | 6.4              |
| 64             | 28             | 20-23            | 16               | 10               |                  | 11               | 16               | 19               | 25               |

A<sup>9.0</sup>9.0  
80A<sup>3.5</sup>A<sup>3.6</sup>

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| 3.0 | 3.1 | 3.8 | 4.5 | 5.4 |
| 109 | 100 | 77  | 50  | 30  |
| 40  |     |     |     | FC  |

TOP NRIM MH 64.0' LT STA 18+31±

55.9

55.6

52.3

A<sup>9.0</sup>

✓

|     |     |     |     |
|-----|-----|-----|-----|
| 0.9 | 1.2 | 4.5 | 7.8 |
| 100 | 98  | 88  | 80  |

A<sup>5.5</sup>A<sup>6.1</sup>A<sup>3.8</sup>

✓

|      |      |      |
|------|------|------|
| 11.3 | 10.7 | 13.0 |
| 100  | 83   | 61   |

TOP MH 90.0' LT STA 19+00

| STA | + | $\pi$ | - | ELEV. |
|-----|---|-------|---|-------|
|-----|---|-------|---|-------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 947.16 |  |  |
|--|--|--------|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 21450 |  |  |  |  |
|-------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|    |  |      |        |        |
|----|--|------|--------|--------|
| BM |  | 6.78 | 940.38 | 940.36 |
|----|--|------|--------|--------|



17 FEB 1961

LT

E

RT

4.  
103A<sup>2.0</sup>A<sup>0.0</sup>A<sup>0.8</sup>A<sup>1.1</sup>A<sup>1.1</sup>A<sup>0.9</sup>A<sup>0.0</sup>A<sup>0.9</sup>A<sup>0.1</sup>

5.2

7.2

6.4

6.0

6.1

6.3

7.1

8.3

9.0

9.4

29

24

20

17

10

10

20

38

63

89

A<sup>2.3</sup>A<sup>3.3</sup>A<sup>1.1</sup>A<sup>1.1</sup>

4.8

3.9

3.1

3.1

9.5

41

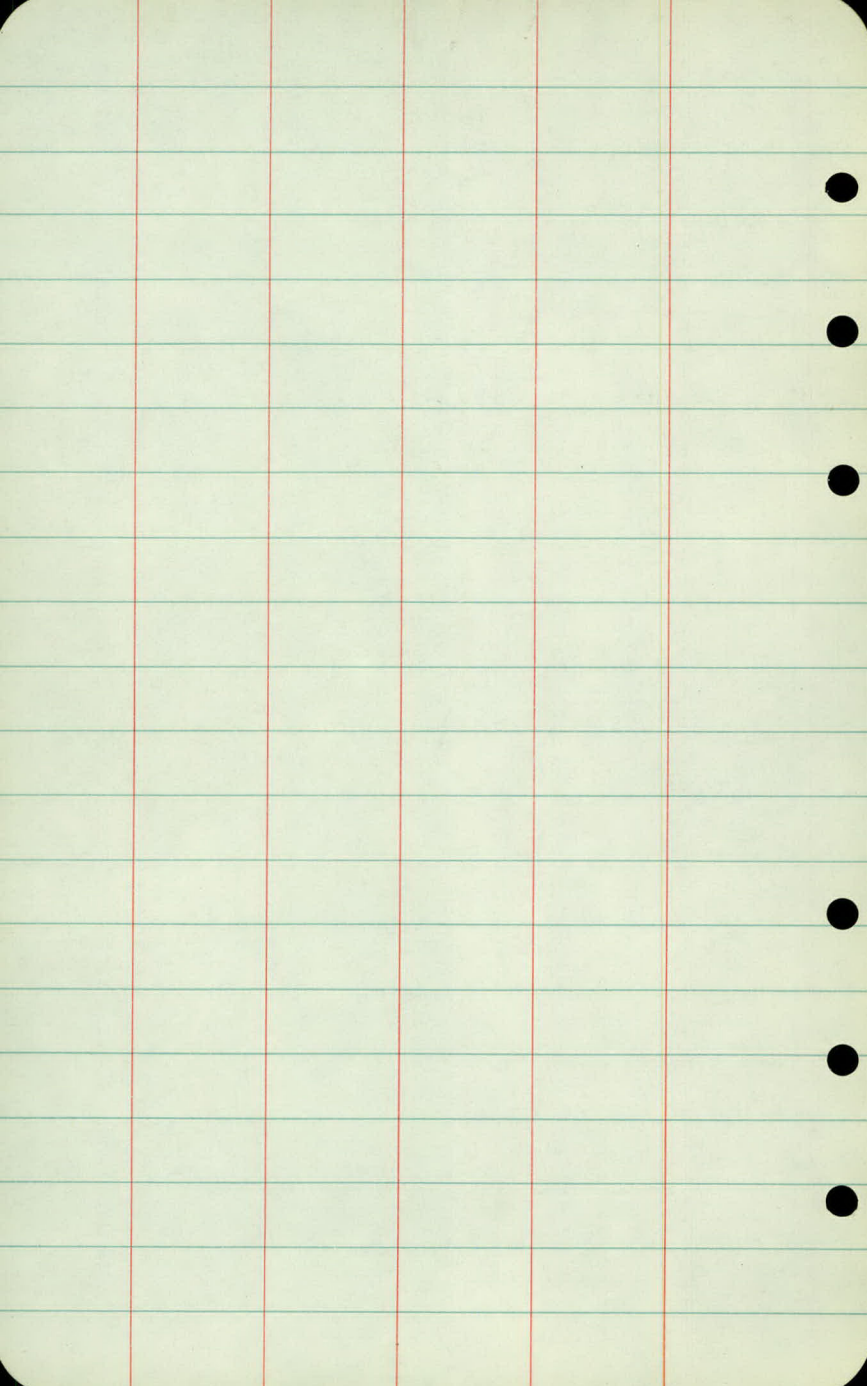
60

86

100

100

TOP BREATHING PIPE S.W. COR. SILVER LAKE  
RD & LAKEVIEW DRIVE



KP  
JS  
FS

17 FEB. 1961  
SUNNY 38°

1.  
104

STADIA

SILVER LAKE RD.

Co. RD. D TO LAKEVIEW DRIVE  
DITCH

3 PAGES

H1 = 944.90

OBJECT

AZIMUTH STADIA

$\pi$  AT STA. 24400

To Mont center section 000.00

31-T30-R23

h1 5.33

BM

TOP BREATHER PIPE S.W. COR

LAKEVIEW E

SILVER LAKE RD

W FL 18" SCP

(TIPPED)

257°59'

E FL 18" SCP

TIPPED

101°05'

G.E.

69°00'

"

106°55'

"

124°20'

"

121°50'

"

105°00'

"

78°50'

"

87°00'

"

111°40'

"

117°00'



| DIST. | VERTICAL<br>ANGLE | ROD<br>EQUIV. | ROD  | DIFF. | ELEV.  |
|-------|-------------------|---------------|------|-------|--------|
| 214   |                   |               |      |       |        |
|       |                   |               | 4.54 |       | 940.36 |
| 21    |                   |               | 7.69 |       |        |
| 23    |                   |               | 8.90 |       |        |
| 35    |                   |               | 8.7  |       |        |
| 39    |                   |               | 8.8  |       |        |
| 46    |                   |               | 8.9  |       |        |
| 91    |                   |               | 9.3  |       |        |
| 82    |                   |               | 9.3  |       |        |
| 86    |                   |               | 9.1  |       |        |
| 130   |                   |               | 9.2  |       |        |
| 139   |                   |               | 9.7  |       |        |
| 151   |                   |               | 9.5  |       |        |

17 FEB 1961

2.  
105

OBJECT

AZIMUTH

STADIA

7 AT  $\pm$  STA 244006E,  
100 ft  
DITCH

115°20'

110°15'

6E,  
100 ft  
DITCH

102°34'

115°39'

"

101°52'

"

99°05'

"

96°08'

17 FEB 1961

3.

106

| DIST | VERTICAL<br>ANGLE | ROD<br>EQUIV | ROD | DIFF | ELEV |
|------|-------------------|--------------|-----|------|------|
|------|-------------------|--------------|-----|------|------|

186

9.7

182

9.9

176

9.7

203

10.3

217

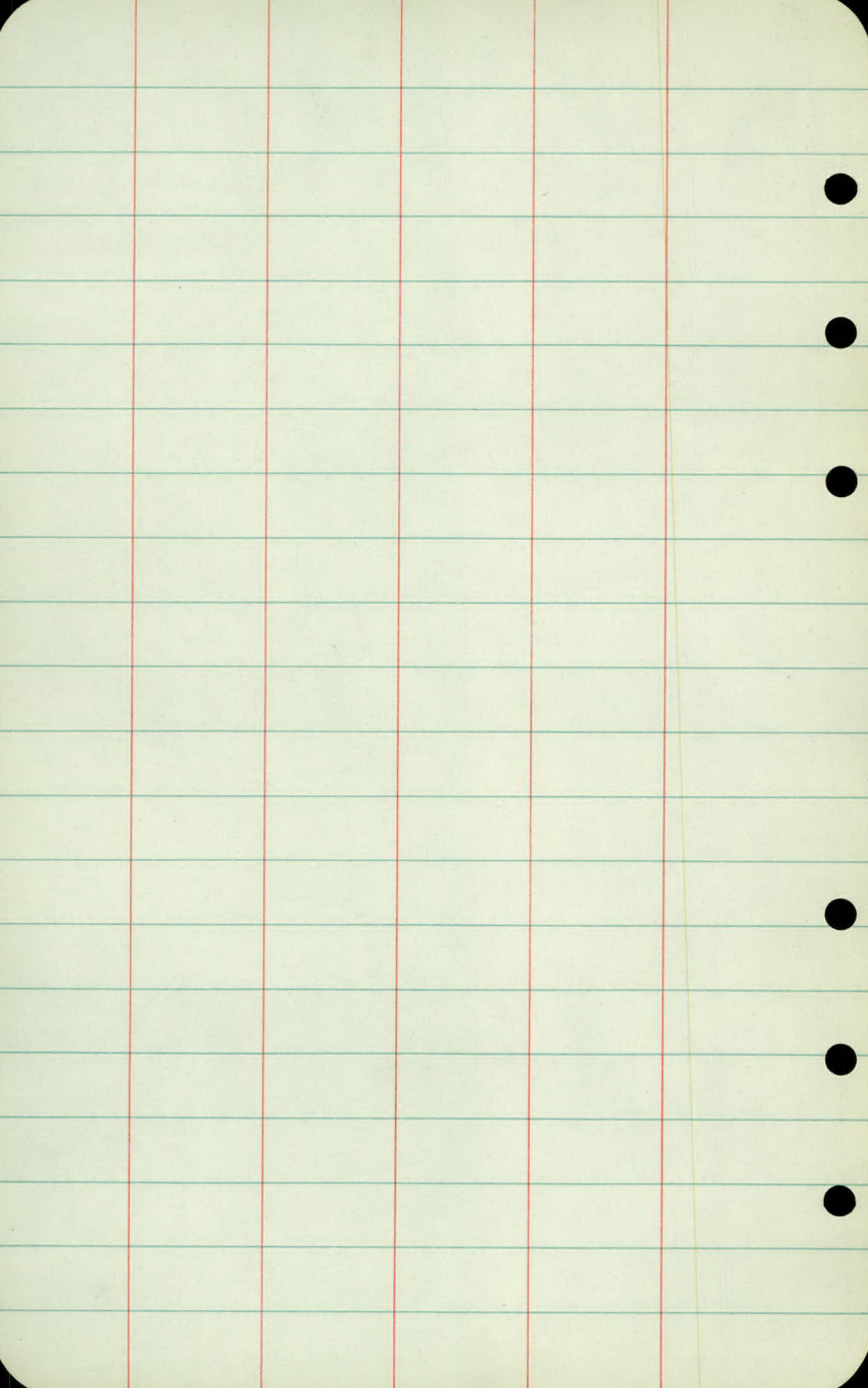
10.9

262

11.4

339

11.7





RG  
JS  
JL  
FS  
WM

Feb 21, 1960

107,

Silver Lake Rd

Additional X-Sections

3 pages

| Sta | +    | $\pi$  | - | Elev   |
|-----|------|--------|---|--------|
| BM  | 7.57 | 947.93 |   | 940.36 |

18+21

✓

+38

✓

+54

✓

Feb 21, 1961 108<sub>2</sub>

Lt.

E

RT

# T.C.A. Breather Pipe Sta 24+50±

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 47.0 | 44.0 | 43.5 | 42.2 | 42.4 | 43.5 | 43.6 | 43.3 | 42.3 | 42.5 | 43.5 | 44.6 |
| 00   | 2.9  | 4.4  | 5.9  | 5.5  | 4.4  | 4.3  | 4.6  | 5.6  | 5.4  | 4.4  | 3.3  |
| 83   | 27   | 32   | 28   | 24   | 18   |      | 15   | 21   | 25   | 30   | 54   |
| 55.6 |      | 56.5 |      |      |      |      |      | 46.0 | 46.0 | 45.4 |      |
| +7.7 |      | +8.6 |      |      |      |      |      | 1.9  | 1.9  | 2.5  |      |
| 100  |      | 125  |      |      |      |      |      | 40   | 100  | 82   |      |

|      |      |      |      |      |      |      |      |      |      |      |  |
|------|------|------|------|------|------|------|------|------|------|------|--|
| 47.3 | 43.8 | 43.4 | 42.5 | 43.3 | 43.3 | 42.9 | 42.3 | 42.2 | 43.2 |      |  |
| 0.6  | 4.1  | 4.5  | 5.4  | 5.4  | 4.6  | 4.6  | 5.0  | 5.6  | 5.7  | 4.7  |  |
| 84   | 70   | 30   | 28   | 23   | 19   |      | 17   | 22   | 29   | 30   |  |
| 50.9 |      | 50.5 |      |      |      |      |      | 45.5 | 45.0 | 44.3 |  |
| +3.0 |      | +2.6 |      |      |      |      |      | 2.4  | 2.9  | 3.6  |  |
| 100  |      | 125  |      |      |      |      |      | 100  | 80   | 55   |  |

|     |     |     |     |     |     |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 4.3 | 5.0 | 5.5 | 5.1 | 5.0 | 4.8 | 5.4 | 5.9 | 5.0 | 3.5 | 3.1 |  |
| 55  | 31  | 25  | 22  | 16  |     | 16  | 26  | 30  | 68  | 86  |  |
| 3.9 |     | 2.1 | 2.4 | 3.0 |     |     |     |     |     | 2.7 |  |
| 70  |     | 90  | 100 | 125 |     |     |     |     |     | 100 |  |

| Sta | + | $\pi$ | - | ELEV |
|-----|---|-------|---|------|
|-----|---|-------|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 947.93 |  |  |
|--|--|--------|--|--|

|       |  |          |  |  |
|-------|--|----------|--|--|
| 18+72 |  | Rt. only |  |  |
|-------|--|----------|--|--|

|            |       |   |      |       |
|------------|-------|---|------|-------|
| check shot | 19+00 | E | 5.40 | 42.53 |
|------------|-------|---|------|-------|

|       |  |  |  |  |
|-------|--|--|--|--|
| 21+70 |  |  |  |  |
|-------|--|--|--|--|



Feb 21 1961

3

109

Lt

Q

Rt

42.8

42.5

42.0

42.7

43.4

43.9

44.4

5.1

5.4

5.9

5.2

4.5

4.0

3.5

17

24

30

55

77

100

43.6

43.1

41.8

40.0

39.9

40.8

40.8

40.2

39.6

39.4

39.0

38.7

3.8

4.3

4.8

6.1

7.9

8.0

7.1

7.1

7.7

8.3

8.5

8.9

9.2

125

100

69

34

28

22

18

18

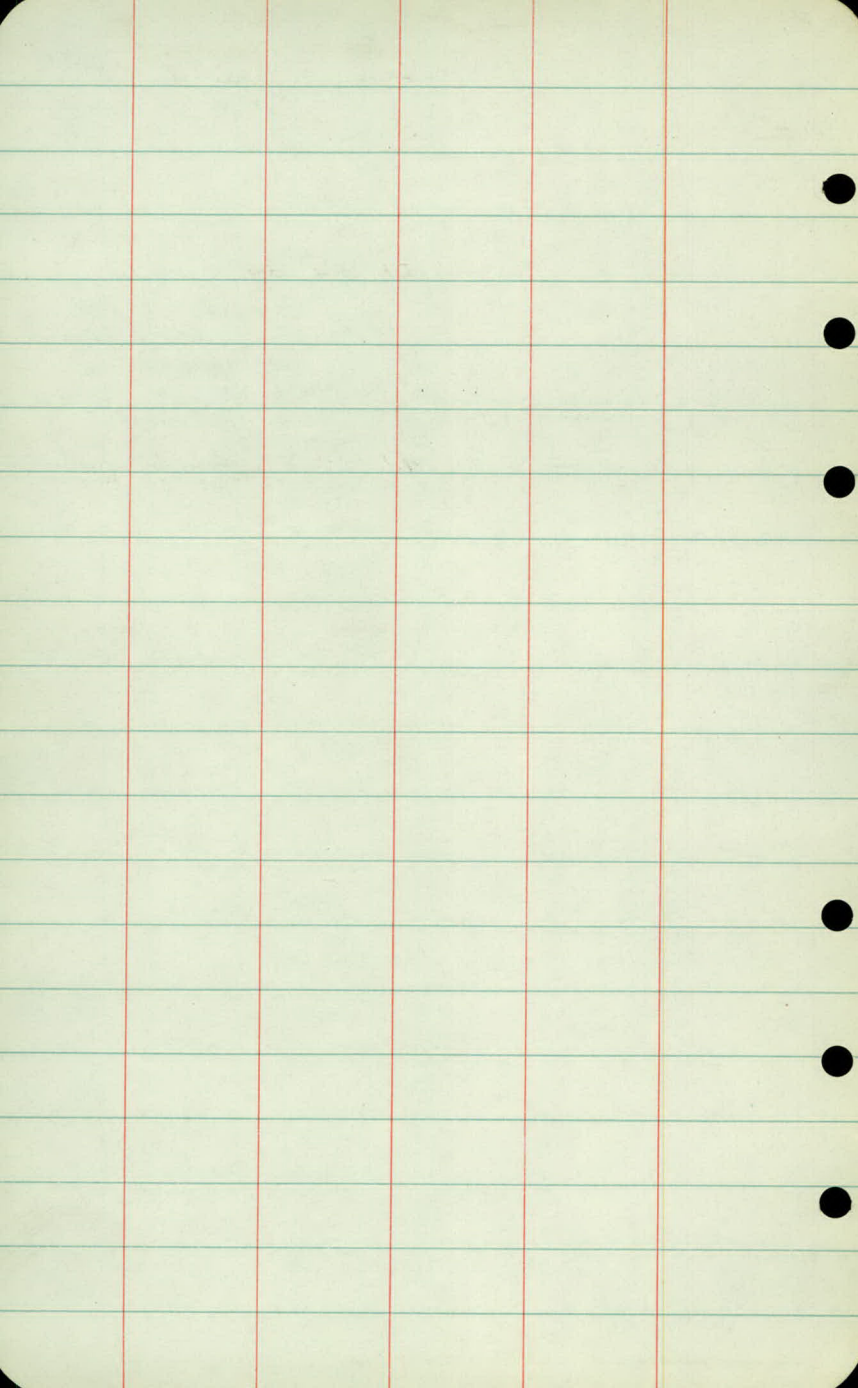
21

26

34

47

40.



K.P.  
US  
FS  
WM

9 MARCH 1961  
Cloudy & windy 30°

110

SILVER LAKE ROAD  
CO. RD. D TO LAKEVIEW DRIVE

PROFILE UNDER BRIDGE

| STA | +    | $\pi$  | - | ELEV.  |
|-----|------|--------|---|--------|
| BM  | 6.46 | 965.71 |   | 959.25 |

3+70 TOP ABUTMENT WALL (SOUTH)

+70

+76

+85

4+00 = TOP RETAINING WALL

+50 = TOP RETAINING WALL

+60

+74

+74 = TOP ABUTMENT WALL (NORTH)

55.5145.7



9 MARCH 1961

LT

E

RT

111

TOP ANGLE IRON BASE E. PIER

68.79 ✓

+3.08

63.7 ✓

6

2.0

61.2 ✓

6

4.5

57.2 ✓

5

8.5

51.9 ✓

5

13.8

50.5 ✓

5

13.2

46.9 ✓

4

8.8

42.7 ✓

4

3.0

38.6 ✓

4

+2.9

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

|  |  |       |  |  |
|--|--|-------|--|--|
|  |  | 96571 |  |  |
|--|--|-------|--|--|

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TD | 2.72 | 955.51 | 12.92 | 952.79 |
|----|------|--------|-------|--------|

+100 = GROUND

+12

+12 = TOP RAIL

+18

+18 = TOP RAIL

+24

+30

+30 = TOP RAIL

9 MARCH 1961

LT

~~2~~

RT

112

N.E. CORNER RETAINING WALL (N. SIDE)

3

Ab.

9.2

2

Ab.

9.3

81

Ab.

8.70

2

Ab.

9.3

69

Ab.

8.82

8

Ab.

9.7

2

Ab.

9.3

71

Ab.

8.80

| STA | + | $\pi$ | - | ELEV. |
|-----|---|-------|---|-------|
|-----|---|-------|---|-------|

955.51

4+35

+35 TOP RAIL

+43

+48

+50

BM

10.57 944.94 944.94



9 MARCH 1961

LT

~~E~~

PT

113

Ab.1

9.4

Ab.5A

8.97

Ab.7

9.8

Ab.1

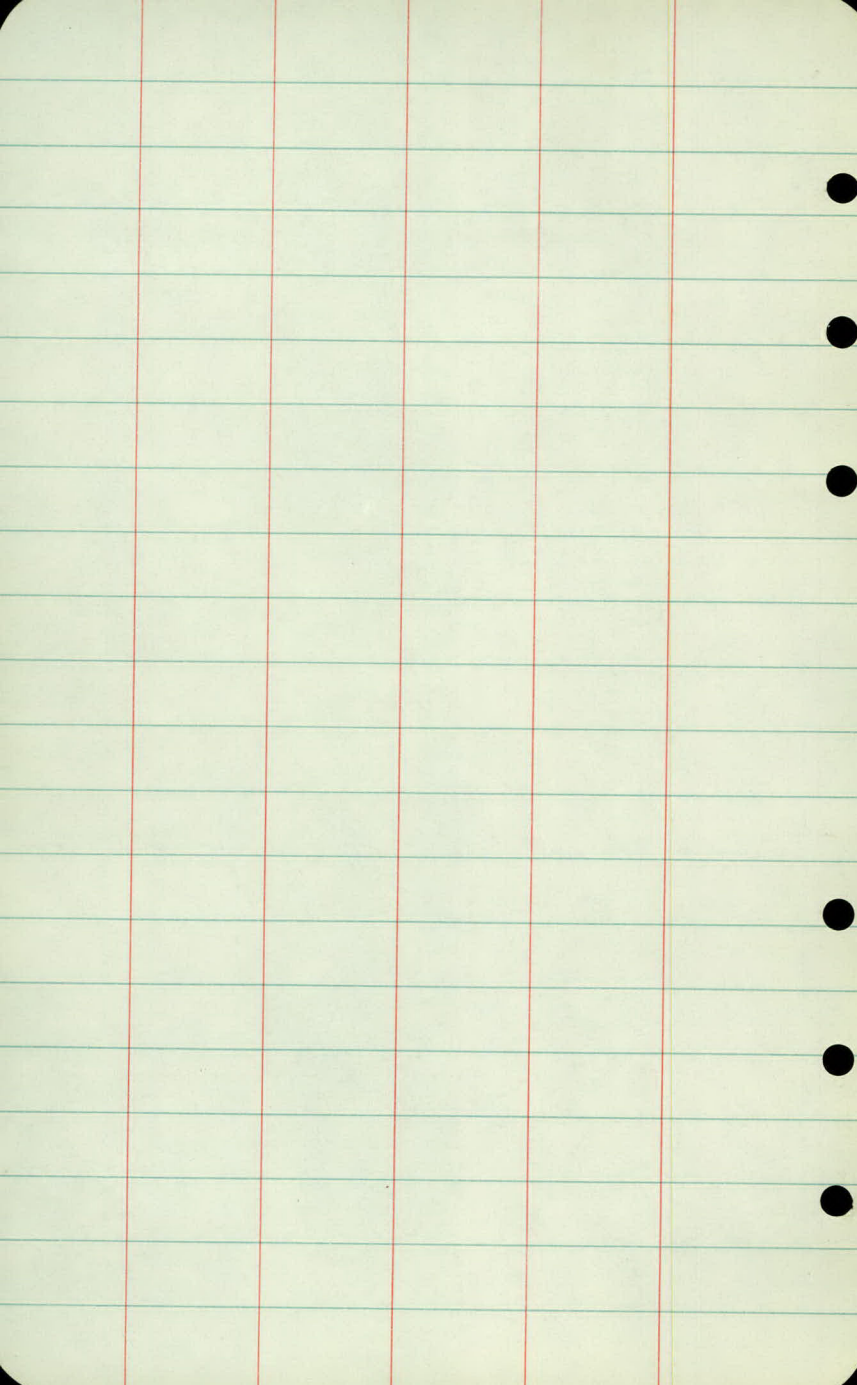
9.4

Ab.1

9.4

TOP ANGLE IRON N.E. COR. HI-LINE STANDARD

150' LT SECTION LINE 4+50.



8 MARCH 1961

114

KP  
RG  
JS  
WM  
JL  
FS

SILVER LAKE RD.  
CO. RD. D TO LAKEVIEW DR.

BRIDGE ELEVATIONS

2 PAGES

| STA | +    | $\pi$  | - | ELEV.  |
|-----|------|--------|---|--------|
| BM  | 3.86 | 975.96 |   | 972.10 |

0+00 =  $\pm$  S. END OF BRIDGE P.K. NAIL

+40

1+12 =  $\pm$  N. END OF BRIDGE

|    |      |        |        |
|----|------|--------|--------|
| BM | 3.86 | 972.10 | 972.10 |
|----|------|--------|--------|



8 MARCH 1961

125

LT

RT

SPIKE IN P.P. 33.0 RT SECTION LINE STA 1406.

72.3  
3.7  
15.0  
TOP WOOD  
CURB

71.5  
4.5  
15.0  
6

71.6  
4.4

71.6  
4.4  
15.0  
6  
(TOP CURB)  
WOOD

72.3

3.7

15.0

72.4  
3.6  
15.0  
TOP CURB  
WOOD

71.7  
4.3  
15.0  
6

71.6  
4.4

71.6  
4.4  
15.0  
6  
TOP CURB  
WOOD

72.4

3.6

15.0

72.3  
3.7  
15.0  
TOP CURB  
WOOD

71.5  
4.5  
15.0  
6

71.6  
4.4

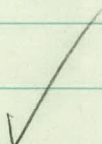
71.5  
4.5  
15.0  
6  
TOP CURB  
WOOD

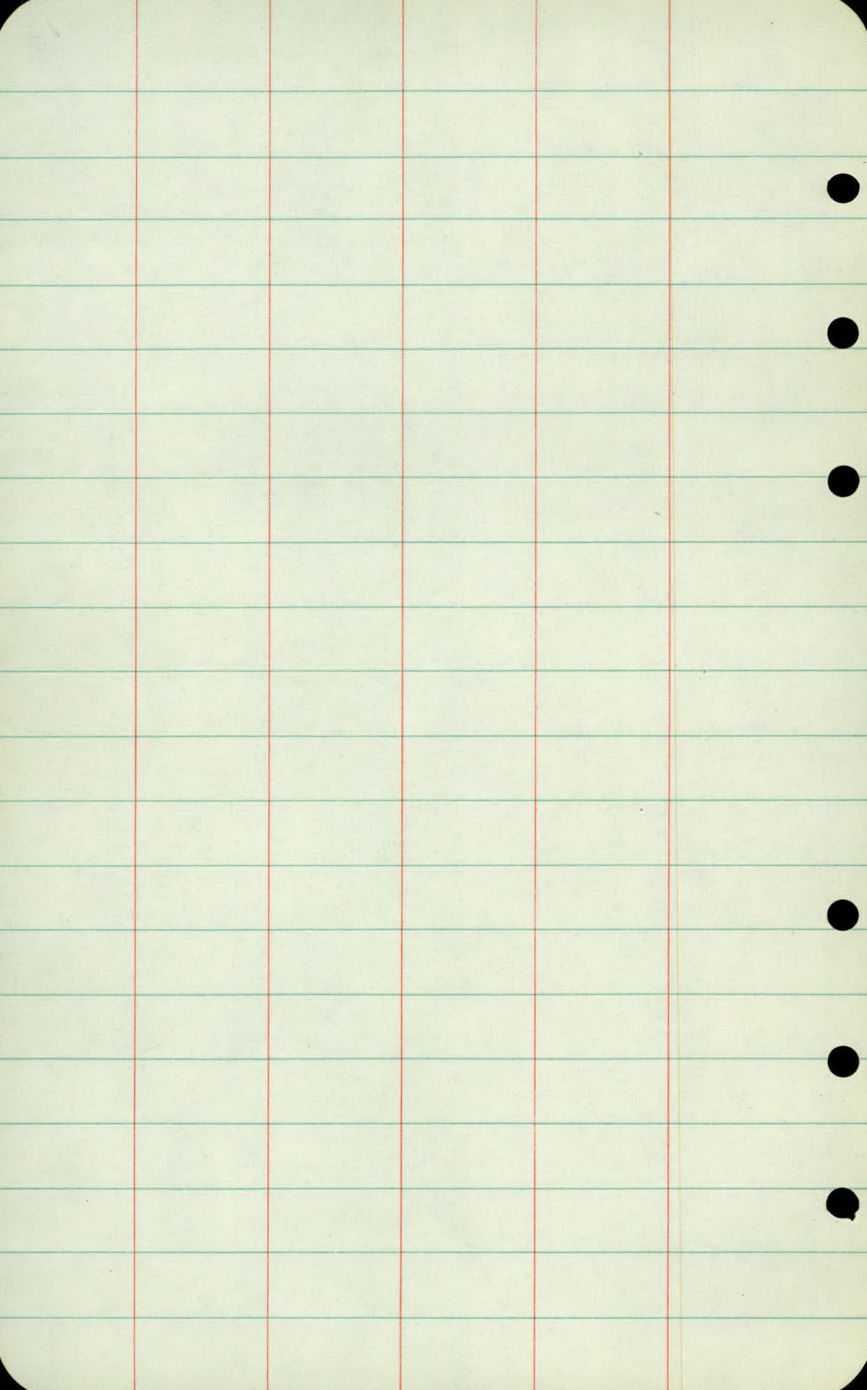
72.2

3.8

15.0

SPIKE IN P.P. 33.0 RT SECTION LINE STA 1406





10 MARCH 1961

CLOUDY

COOL

RG.

JS

JL

WM

FS

MANHOLES  
SILVER LAKE RD

| Sta               | +    | $\Sigma$ | -    | ELV    |        |
|-------------------|------|----------|------|--------|--------|
| B.M. <sub>1</sub> | 3.42 | 957.95   |      |        | 954.53 |
|                   |      |          | 5.58 | 952.37 |        |
|                   |      |          | 5.24 | 52.71  |        |
| B.M. <sub>1</sub> |      |          | 3.42 | 954.53 | 954.53 |
| B.M. <sub>2</sub> | 6.52 | 946.88   |      |        | 940.36 |
|                   |      |          | 7.20 | 939.68 |        |
|                   |      |          | 7.23 | 939.65 |        |
|                   |      |          | 5.95 | 940.93 |        |
| B.M. <sub>2</sub> |      |          | 6.51 | 940.37 |        |
| T.B.M.            | 5.80 | 949.9    |      |        | 944.1  |
|                   |      |          | 7.49 | 942.4  |        |
|                   |      |          | 7.57 | 942.3  |        |
| T.B.M.            |      |          | 4.24 | 945.6  | 945.6  |



Mar. 10, 1961  
Cloudy 25°

717

## Description

Breather pipe #19

Top Manhole 13+07 20' Rt

Station 13+00  $\pm$

Breather Pipe #19

Breather Pipe #18

Top Manhole 24+55 15' Lt

Manhole 22+09 20' Rt

Catch Basin 26+45 49' Lt

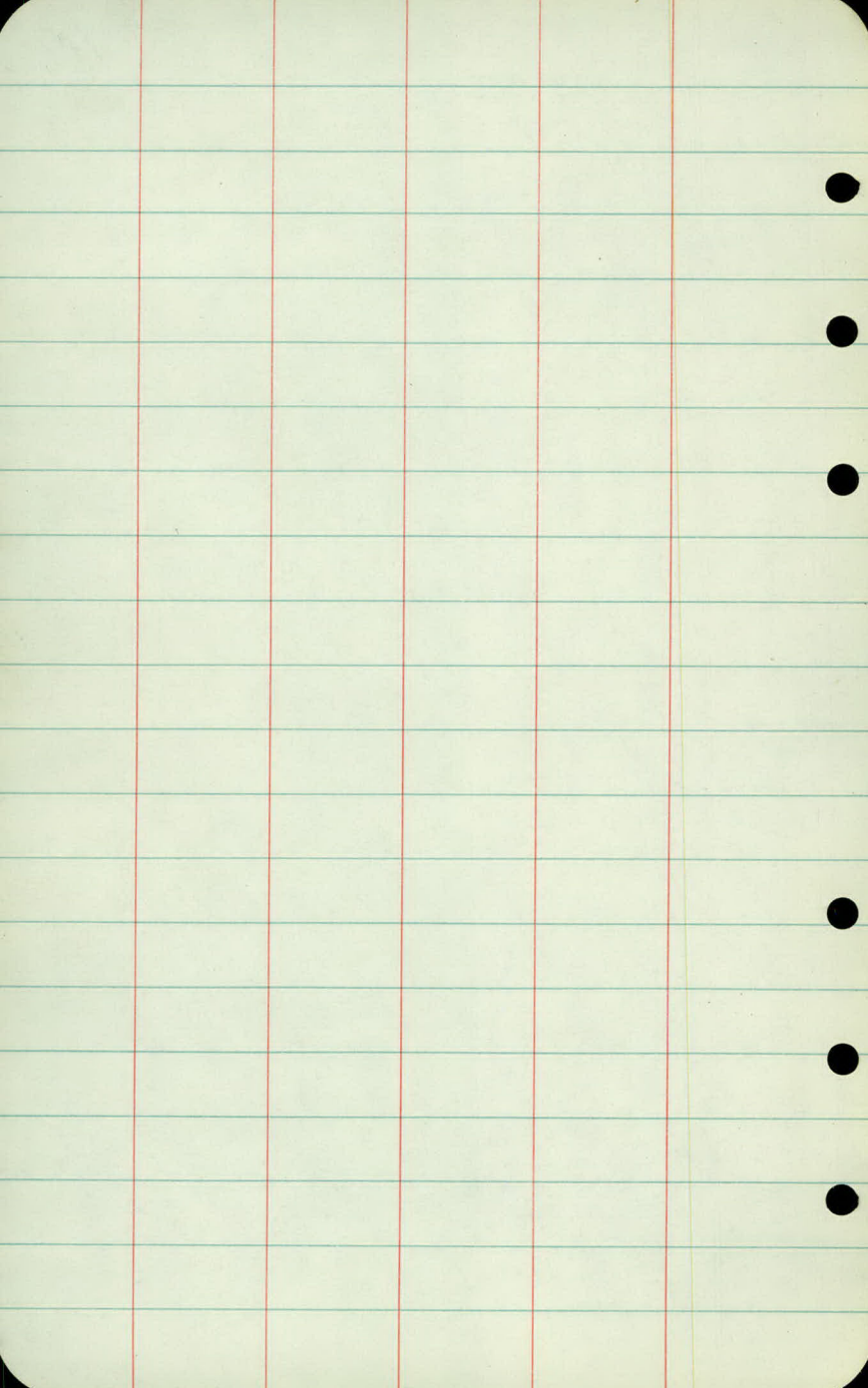
Breather Pipe #18

Sta 18+00  $\pm$

Top MH 19+05 64' Lt

Top Catch Basin 18+56 90' Lt

Sta 17+00  $\pm$



J.S.  
W.M.  
FS

March 16, 1961

20 Clear

(1)  
118

Silver Lake Rd

Manhole & Catch basin Description  
casting thickness  
Rings

(2 pages)

Sta

9+49 Catch basin 64' Lt

13+07 Manhole 43' Lt

15+50 Catch basin 64' Lt

18+31 catch basin 64' Lt

19+05 Manhole 64' Lt



# Discription

(2)  
119

casting thickness .90

adjusting rings two (2)

casting thickness .75

adjusting rings four (4)

casting thickness .90

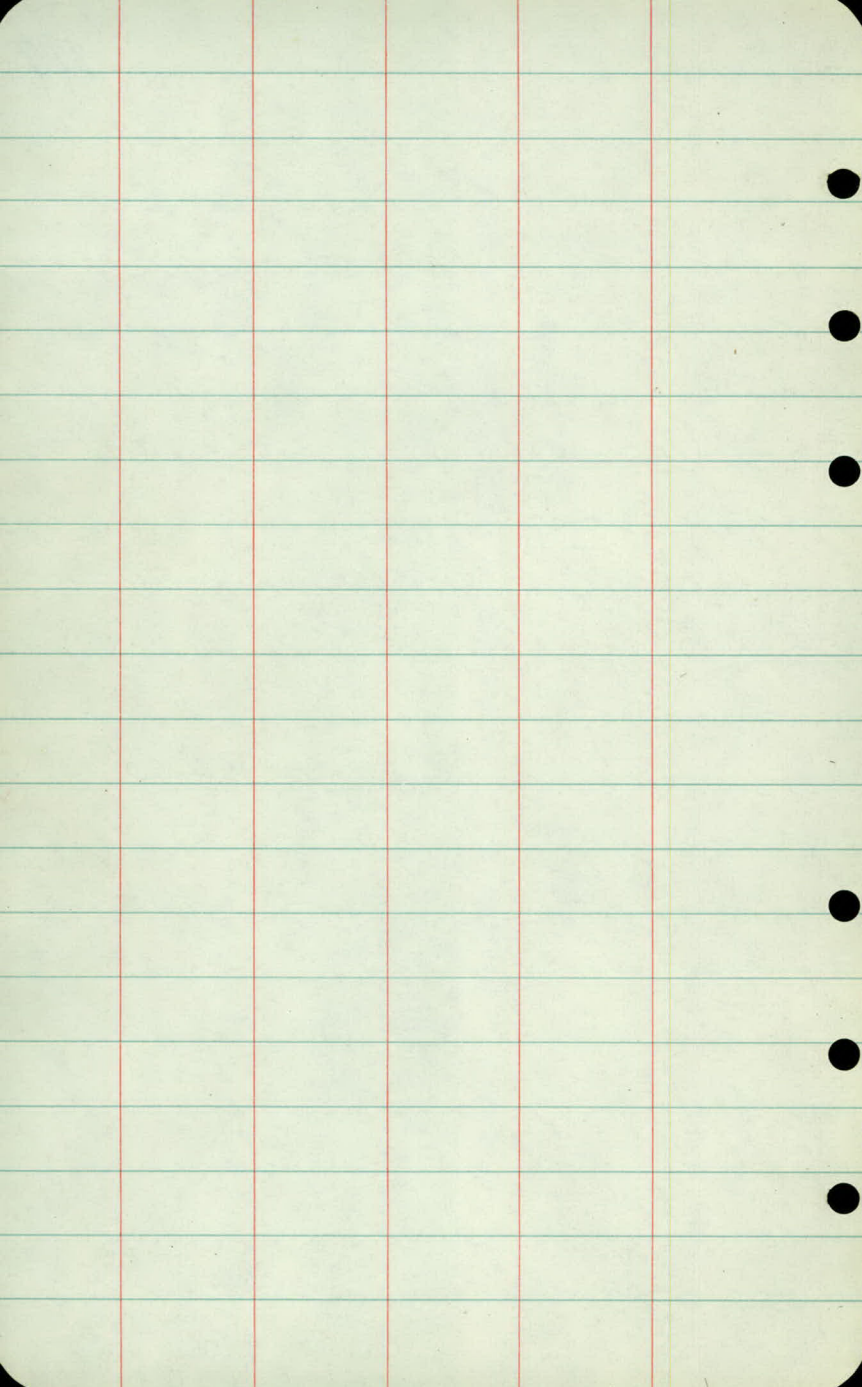
adjusting rings four (4)

casting thickness .90

adjusting rings four (4)

casting thickness .75

adjusting rings six (6)



K.A.  
J.S.  
F.S.  
L.B.  
R.B.

23 Nov 1960

1.  
120

Silver Lake Road  
Co. RD. "D" TO Co. RD. "E"  
BRIDGE SURVEY

pgs 1-4 = alignment

5-9 = ~~1~~ profile

10-16 = x-sections

17-20 = Topography

REC. 11/30/60 K.A.

| Sta | Point | $\Delta$ LT | $\Delta$ RT |
|-----|-------|-------------|-------------|
|-----|-------|-------------|-------------|

|       |                   |  |  |
|-------|-------------------|--|--|
| 12+00 | P.O.T.<br>PK NAIL |  |  |
|-------|-------------------|--|--|

|        |             |  |  |
|--------|-------------|--|--|
| +81.07 | NAIL IN HUB |  |  |
|--------|-------------|--|--|

|         |                          |  |  |
|---------|--------------------------|--|--|
| 4+80.19 | PK NAIL<br>N. END BRIDGE |  |  |
|---------|--------------------------|--|--|

|         |                               |  |  |
|---------|-------------------------------|--|--|
| 4+11.52 | NAIL IN HUB AT $\neq$ TRACKS. |  |  |
|---------|-------------------------------|--|--|

|        |             |  |  |
|--------|-------------|--|--|
| +67.27 | NAIL IN HUB |  |  |
|--------|-------------|--|--|

|         |                          |  |  |
|---------|--------------------------|--|--|
| 3+66.77 | PK NAIL<br>S. END BRIDGE |  |  |
|---------|--------------------------|--|--|

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

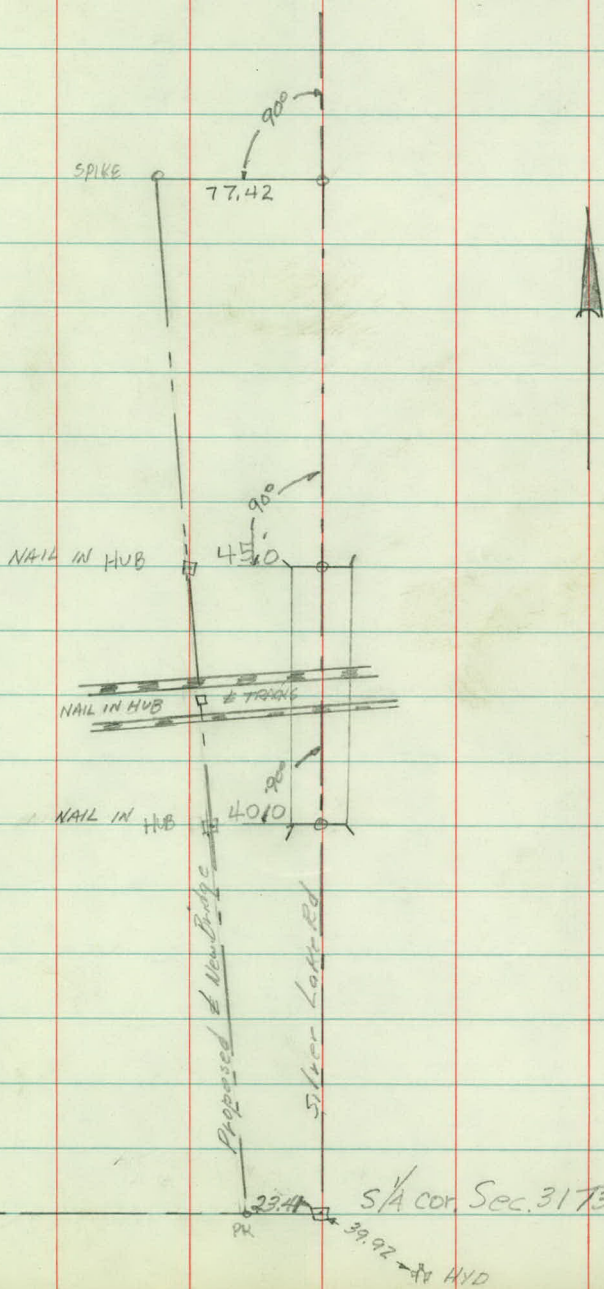


LT

±

RT

121<sup>2</sup>



| Sta | Point | $\Delta LT$ | $\Delta RT$ |
|-----|-------|-------------|-------------|
|-----|-------|-------------|-------------|

|      |              |   |                 |
|------|--------------|---|-----------------|
| 0+00 | IRON<br>MONT | = | SILVER LAKE RD. |
|------|--------------|---|-----------------|

0-521.83 PK = INTERSECTING POINT ON SILVER  
LAKE RD SECTION LINE & PROPOSED  
BRIDGE  $\nabla$ .

25 Nov 1960

KP  
US  
FS  
RB  
LB

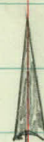
3  
122

2

PK 23.41 S<sup>1</sup>/<sub>4</sub> COR. Sec 31-T30-R23

2034.0  
PROPOSED BRIDGE

SILVER LAKE RD



75.51 PK

128.75 # HYD

# 3602

128.42

# 3613

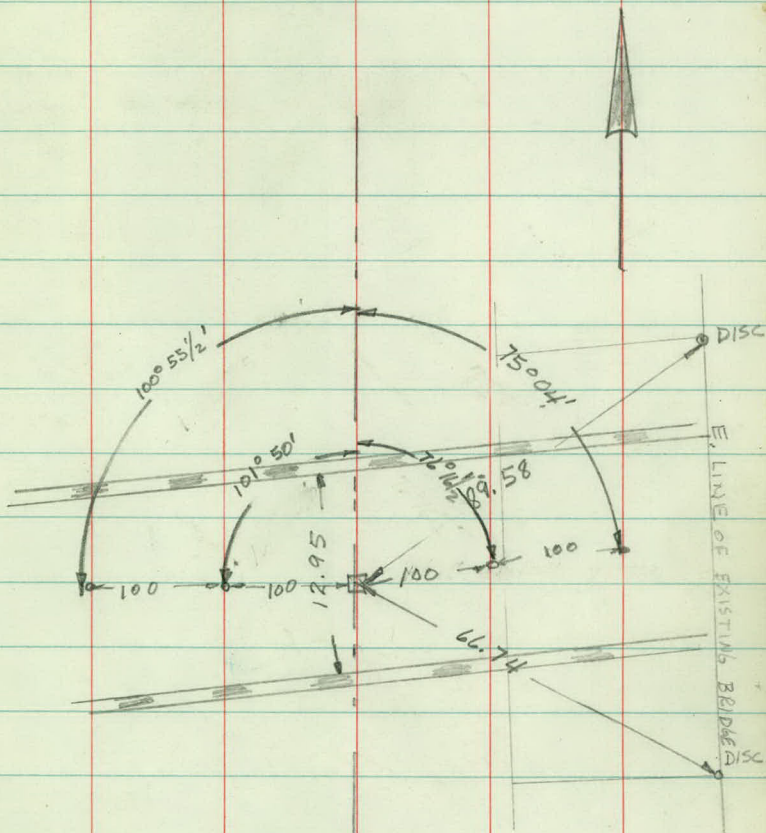
| Sta | Point | $\Delta L_T$ | $\Delta R_T$ |
|-----|-------|--------------|--------------|
|-----|-------|--------------|--------------|

4+11.52 =  $\frac{1}{2}$  R.R. TRACKS HUB WITH NAIL



25 NOV. 1960

123

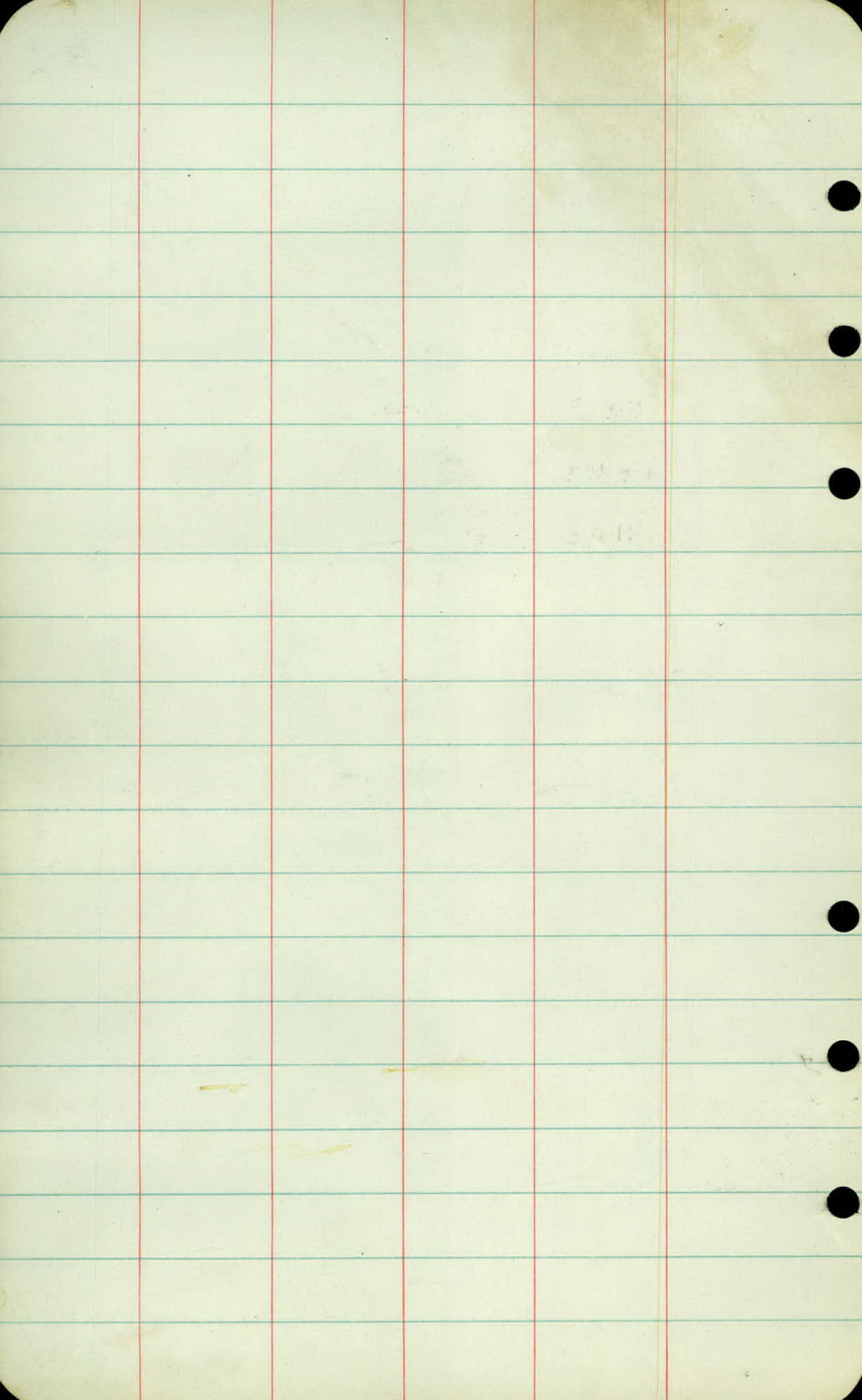


PROPOSED BRIDGE

PK 23.41

S 1/4 COR

S31, T39R23



KP  
JS  
FS

10 JAN 1961 1.  
124

SILVER LAKE RD.  
CO. RD. D TO LAKEVIEW  
T.C.A. SEWER  
LOCATION & ELEV.

REPRODUCED AT TOLZ KING WILL ETC,

1-10-61 KP

| STA  | +                 | π                     | -     | ELEV.  |
|------|-------------------|-----------------------|-------|--------|
| BM   | 5.24              | 950.18                |       | 944.94 |
| 4+74 | TOP MH COVER 36"  | 58.0' LT SECTION LINE | 4.46  |        |
|      | SECOR.            |                       | 6.08  |        |
|      | SW COR            |                       | 6.08  |        |
|      | NW COR            |                       | 6.08  |        |
|      | NE COR            |                       | 6.08  |        |
|      | TOP BREATHER PIPE | 68.0' LT SECTION LINE | 2.30  |        |
| 4+28 | TOP PIPE          | 58.0' LT SECTION LINE | 10.61 |        |
| 3+86 | TOP PIPE          | 57.0' LT SECTION LINE | 10.51 |        |
| T.P  | 13.62             | 963.47                | 0.33  | 949.85 |
| TP   | 10.92             | 973.95                | 0.44  | 963.03 |
|      |                   |                       | 8.33  | 965.62 |
| TP   | 0.04              | 972.23                | 1.76  | 972.19 |
| BM   |                   |                       | 12.92 | 959.31 |
|      |                   |                       |       | 959.25 |



10 JAN 1961

125

LT

±

RT

TOP ANGLE IRON ON PIER 100.0 ± STA 4+50

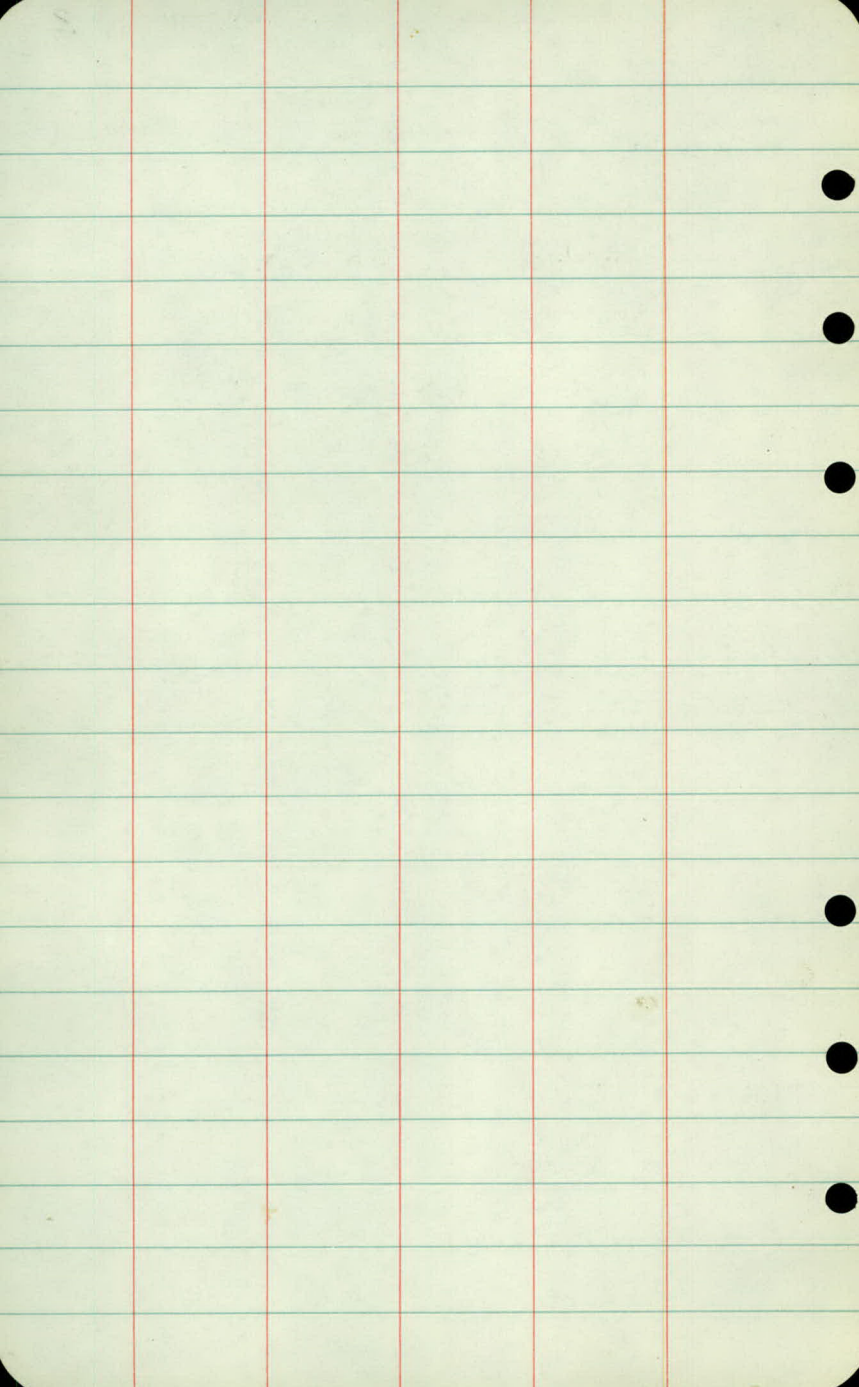
TOP R.R. TIE

TOP ROCK 20.0 LT STA 1+80

TOP TELEPHONE WIRES

SPIKE IN PP 33.0 LT STA 1+00

TOP ANGLE IRON E. PIER



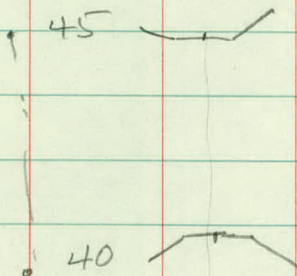
KP  
US  
FS

10 JAN. 1961

<sup>3</sup>  
P26

SILVER LAKE RD.

T.C.A. SEWER  
CHECK LEVELS



10+00 10+00 COR'D

| STA | +     | $\pi$  | -     | ELEV.           |
|-----|-------|--------|-------|-----------------|
| BM  | 8.12  | 953.06 |       | (944.94)        |
| TP  | 12.95 | 962.80 | 3.21  | 949.85          |
| TP  | 10.58 | 971.86 | 1.52  | 961.28          |
| TP  |       |        | 8.86  | 963.00          |
|     |       |        | 6.16  | 965.70          |
| BM  |       |        | 12.59 | 959.27 (959.25) |



LT

±

10 JAN. 1961

RT

127

TOP ANGLE IRON-HI-LINE STANDARD 100' LT 4+5

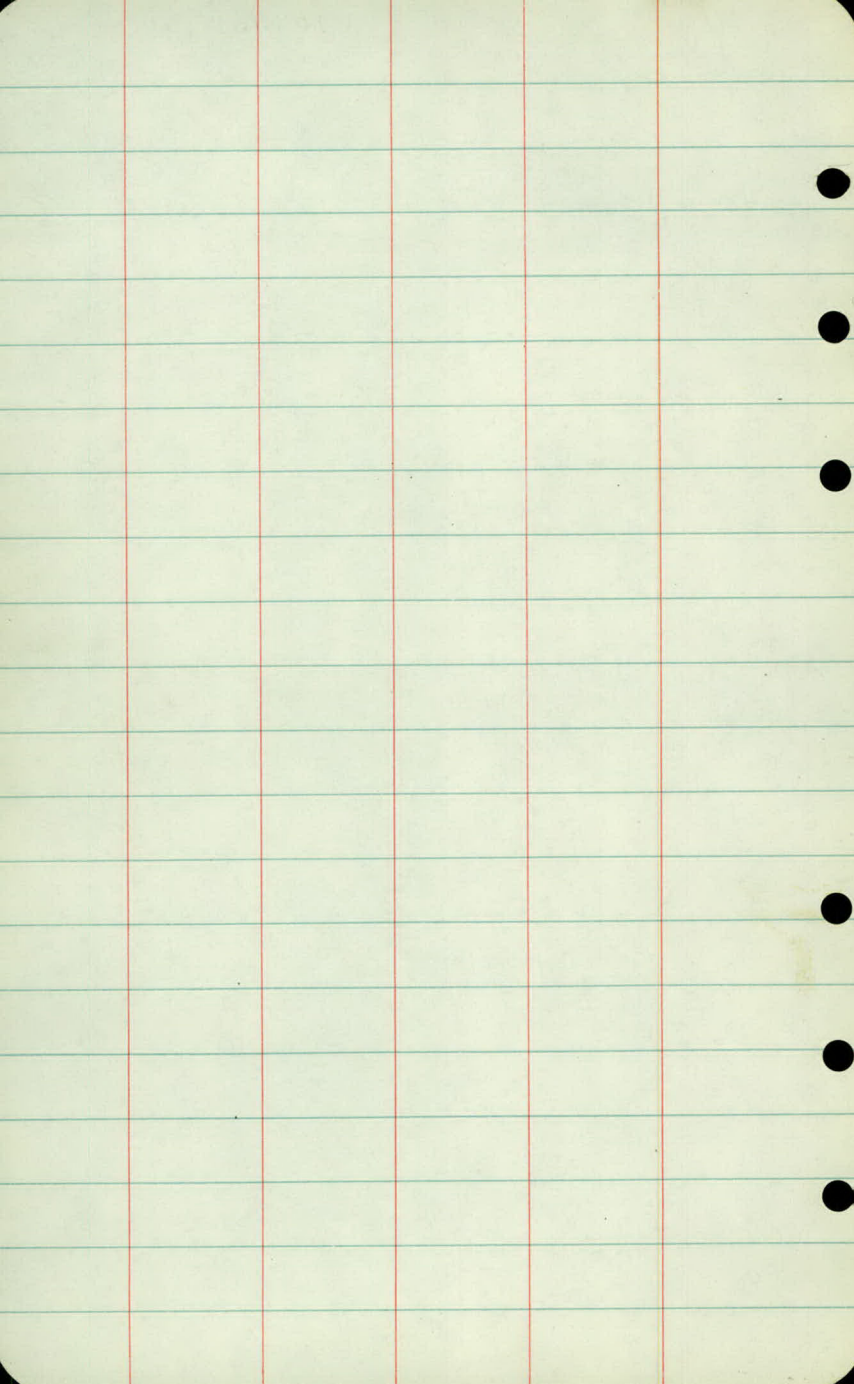
TOP R.R. TIE

TOP ROCK 25.0' LT STA 2+00

TOP ROCK 20.0' LT STA 1+80

TOP TELEPHONE WIRES UNDER BRIDGE

TOP ANGLE IRON, E. PIER



25 Nov. 1960

5  
128

SILVER LAKE RD

Co. RD. D TO LAKEVIEW DRIVE

PROPOSED BRIDGE ALINEMENT  
PROFILE

| Sta    | +     | $\pi$  | -     | Elev.  |
|--------|-------|--------|-------|--------|
| BM     | 13.51 | 972.76 |       | 959.25 |
| TP1    | 2.07  | 974.18 | 0.65  | 972.11 |
| 0+00   |       |        | 1.32  | 972.86 |
| +25    |       |        | 2.3   | 971.9  |
| +46    |       |        | 2.8   | 971.4  |
| +66    |       |        | 3.7   | 970.5  |
| 1+00   |       |        | 5.2   | 969.0  |
| +32    |       |        | 7.6   | 966.6  |
| +63    |       |        | 8.9   | 965.3  |
| 2+00   |       |        | 10.4  | 963.8  |
| +50    |       |        | 12.5  | 961.7  |
| TP2    | 0.72  | 961.41 | 13.49 | 960.69 |
| 3+00   |       |        | 2.1   | 959.3  |
| +50    |       |        | 2.9   | 958.5  |
| +61    |       |        | 4.0   | 957.4  |
| +67.27 |       |        | 5.5   | 955.9  |
| +75    |       |        | 7.0   | 954.4  |
| +80    |       |        | 9.3   | 952.1  |



25 Nov. 1960

6.  
129

~~E~~

TOP ANGLE IRON BASE E. PIER ON HIGHLINE

NAIL IN P.P. 33' RT SECTION LINE STA 1+06

POINT ON  $\angle$  "D" 23.41' W. OF S/A COR. SEC. 31, T30, R23

Shoulder

GROUND

"

"

"

"

"

"

TOP ROCK 10.0 LT Sta 2+20

TOP HUB

| Sta    | +    | $\pi$  | -     | ELEV.  |
|--------|------|--------|-------|--------|
|        |      | 961.41 |       |        |
| 3+83   |      |        | 10.0  | 951.4  |
| +89    |      |        | 11.7  | 949.7  |
| TP3    | 6.40 | 956.12 | 11.69 | 949.72 |
| +90    |      |        | 9.5   | 946.6  |
| 4+00   |      |        | 9.09  | 947.03 |
| +05    |      |        | 9.22  | 946.90 |
| +11.52 |      |        | 10.09 | 946.03 |
| +18.4  |      |        | 9.13  | 946.99 |
| +23.2  |      |        | 9.31  | 946.81 |
| +31    |      |        | 10.9  | 945.2  |
| +40    |      |        | 10.7  | 945.4  |
| +42    |      |        | 8.8   | 947.3  |
| 4+50   |      |        | 6.8   | 949.3  |
|        |      |        | 11.19 | 944.93 |
| +65    |      |        | 4.0   | 952.1  |
| +81.07 |      |        | 1.5   | 954.6  |

25 NOV. 1960

7  
130

£

GROUND

TOP RETAINING WALL SOUTH SIDE BRIDGE

" " " " " on £

£ S. TRACK #1 E.B.

£ TRACK #2 E.B.

HUB AT CENTRE OF TRACKS ON £

£ TRACK #3 W.B.

£ TRACK #4 W.B.

GROUND

"

"

TOP ANGLE IRON NE COR HIGH LINE STANDARD

100± FT LT STA 4+50

GROUND

TOP HUB

| Sta    | +     | $\pi$  | -    | ELEV   |
|--------|-------|--------|------|--------|
|        |       | 956.12 |      |        |
| 5+00   |       |        | 0.4  | 955.7  |
| TP4    | 13.73 | 968.30 | 1.55 | 954.57 |
| 5+10   |       |        | 8.8  | 959.5  |
| +20    |       |        | 3.8  | 964.5  |
| +29    |       |        | 1.2  | 967.1  |
| +33.85 |       |        | 0.9  | 967.4  |
| +50    |       |        | 0.6  | 967.7  |
| TP5    | 0.57  | 967.32 | 1.55 | 966.75 |
| 6+93   |       |        | 0.92 | 966.40 |
| 7+50   |       |        | 2.5  | 964.8  |
| 8+00   |       |        | 3.0  | 964.3  |
| +50    |       |        | 4.1  | 963.2  |
| 9+00   |       |        | 5.0  | 962.3  |
| +50    |       |        | 6.3  | 961.0  |
| +79    |       |        | 9.95 | 957.37 |
| 10+00  |       |        | 8.2  | 959.1  |
| +50    |       |        | 8.5  | 958.8  |
| 11+00  |       |        | 10.0 | 957.3  |



25 NOV. 1960

8.  
131

£

NAIL IN TOP HUB £ STA 4+81.07

P.O.T.

NAIL AT £ STA 6+00

TOPE RIM MH 10' LT

TOPE RIM MH 4.0 RT £

| Sta   | +     | $\pi$  | -     | ELEV.                      |
|-------|-------|--------|-------|----------------------------|
|       |       | 967.32 |       |                            |
| 11+50 |       |        | 10.9  | 956.4                      |
| 12+00 |       |        | 11.4  | 955.9                      |
| TP5   | 1.50  | 968.25 | 0.57  | 966.75                     |
| TP4   | 0.89  | 955.47 | 13.67 | 954.58                     |
|       |       |        | 11.90 | TOP TO FL = 2.70<br>943.57 |
|       |       |        | 11.18 | TOP TO FL = 2.70<br>944.29 |
| TP6   | 13.20 | 958.14 | 10.53 | 944.94                     |
| TP7   | 13.16 | 964.53 | 6.77  | 951.37                     |
| TP8   | 11.54 | 975.98 | 0.09  | 964.44                     |
|       |       |        | 4.41  | 971.57                     |
|       |       |        | 4.39  | 971.59                     |
| TP1   | 0.83  | 972.91 | 3.90  | 972.08                     |
| BM    |       |        | 13.68 | 959.23 (959.25)            |

25 Nov. 1960

4

132<sup>9</sup>

TOP NAIL STA 6+00

NAIL TOP HUB  $\neq$  STA 4+81.07

TOP N. END 24" SCP UNDER TRACKS 52.0 LT STA 4+2

TOP S. END 24" SCP 41.0 LT  $\neq$  STA 3+80

TOP ANGLE IRON N.E. COR HIGH LINE STANDARD,  
100'  $\pm$  FT LT. STA 4+50

TOP E. RIM MH 50.0 LT STA 3+02

TOP NAIL 8.0 LT. STA 1+50

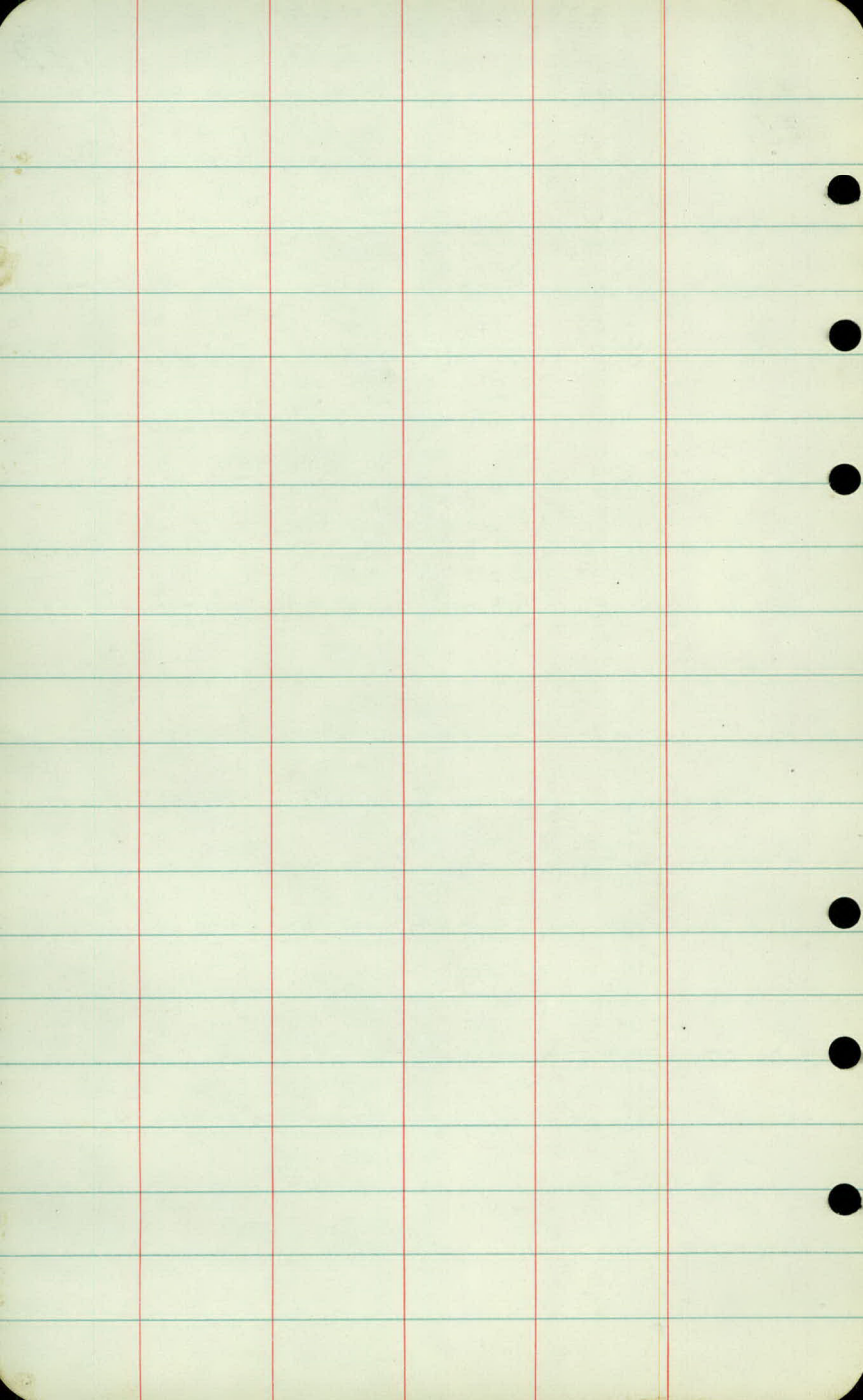
TOP NAIL S. END EXISTING BRIDGE ON SECTION LINE

TOP NAIL N. END EXISTING BRIDGE ON SECTION LINE

NAIL IN R.P. 33' RT SECTION LINE STA 1+06

TOP ANGLE IRON BASE E. PIER ON HIGH LINE

100'  $\pm$  RT SECTION LINE STA 1+50.





K.P.  
U.S.  
F.S.  
R.B.

28 Nov. 1960  
RAINING

10.  
133

SILVER LAKE RD.  
Co. RD. D to Co. RD. E.  
PROPOSED BRIDGE

X - SECTIONS

| STA | +    | $\pi$  | - | ELEV.  |
|-----|------|--------|---|--------|
| BM  | 1.44 | 973.54 |   | 972.10 |

1+00

+50

2+00

+50

|     |       |        |       |        |        |
|-----|-------|--------|-------|--------|--------|
| T.P | 11.78 | 972.46 | 12.86 | 960.68 | 960.69 |
|-----|-------|--------|-------|--------|--------|

3+00

28 NOV. 1960

LT

#

PT

134

NAIL IN. P.P 33.0 LT SECTION LINE STA 1+06

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 68.1 | 68.9 | 69.8 | 71.1 | 71.4 | 71.5 |
| 5.4  | 4.6  | 3.7  | 2.4  | 2.1  | 2.0  |
| 20   |      | 9    | 14   | 18   | 20   |
|      |      |      | BT   | BT   | BT   |

|      |      |      |      |      |
|------|------|------|------|------|
| 65.4 | 66.2 | 70.2 | 70.9 | 71.2 |
| 8.1  | 7.3  | 3.3  | 2.6  | 2.3  |
| 20   |      | 13   | 17   | 20   |
|      |      |      | BT   | BT   |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 61.0 | 61.0 | 61.5 | 69.8 | 70.4 | 71.0 | 71.0 |
| 12.5 | 12.5 | 12.0 | 9.7  | 3.1  | 2.5  | 2.5  |
| 20   | 14   | 8    |      | 15   | 19   | 20   |
|      |      |      |      |      | BT   | BT   |

|      |      |      |
|------|------|------|
| 61.2 | 70.4 | 70.8 |
| 12.3 | 3.1  | 2.7  |
|      | 19   | 22   |
|      | BT   | BT   |

TOP ROCK 10' LT STA 2+20

|      |      |      |      |
|------|------|------|------|
| 60.4 | 70.0 | 70.4 | 70.7 |
| 12.1 | 2.5  | 2.1  | 1.8  |
|      | 20   | 23   | 25   |
|      |      |      | BT   |

| Sta | + | $\pi$ | - | ELEV. |
|-----|---|-------|---|-------|
|-----|---|-------|---|-------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 972.46 |  |  |
|--|--|--------|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| 3467.27 |  |  |  |  |
|---------|--|--|--|--|

|      |      |        |       |        |
|------|------|--------|-------|--------|
| T.P. | 6.01 | 965.02 | 13.45 | 959.01 |
|------|------|--------|-------|--------|

|      |  |  |  |  |
|------|--|--|--|--|
| 3471 |  |  |  |  |
|------|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +87 |  |  |  |  |
|-----|--|--|--|--|

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 5.94 | 957.83 | 13.13 | 951.89 |
|----|------|--------|-------|--------|

|         |  |  |  |  |
|---------|--|--|--|--|
| 3467.27 |  |  |  |  |
|---------|--|--|--|--|



28 NOV 1960

4

4

RT

12.  
135

|      |      |      |      |
|------|------|------|------|
| 60.0 | 66.2 | 67.5 | 70.5 |
| 12.5 | 6.3  | 5.0  | 2.0  |
| 8    | 18   | 20   | 23   |

71.2  
1.3  
25  
BT  
S. END BRIDGE

TOP NAIL 6.0 RT STA 3467.27

|      |      |      |
|------|------|------|
| 55.1 | 64.6 | 64.6 |
| 9.9  | 0.4  | 0.4  |
|      | 19   | 20   |

|      |      |      |
|------|------|------|
| 51.2 | 53.0 | 53.1 |
| 13.8 | 12.0 | 11.9 |
|      | 16   | 20   |

TOP W. END WOODEN WALL STA 3488 4.0 RT

|      |      |      |      |
|------|------|------|------|
| 46.5 | 46.7 | 47.5 | 54.8 |
| 11.3 | 11.1 | 10.3 | 3.0  |
| 26   | 23   | 20   |      |

Sta

+

$\pi$

-

ELEV

957.83

3471

3487

4400

4405

4411.52  $\neq$  TRACKS

4418

K.P  
U.S.  
FS  
RB

L+

29 Nov. 1960  
SNOWING 20°  
R+

13.6

46.6  
11.2  
26

46.9  
10.9  
20

46.3  
11.5  
20

47.2  
10.6  
4

47.03  
10.80  
28  
TOPRAIL

46.5  
11.3  
20

47.01  
10.82  
TOPRAIL

46.3  
11.5  
20

46.0  
11.8  
20

46.88  
10.95  
TOPRAIL

46.89  
10.94  
19  
TOPRAIL

46.3  
11.5  
20

46.6  
11.2  
20

46.0  
11.8

46.2  
11.6  
20

46.95  
10.88  
22  
TOPRAIL

46.4  
11.4  
20

46.97  
10.86  
TOPRAIL

45.8  
12.0  
20

Sta

+

$\pi$

-

ELEV

957.83

4+23-

+39

+43

+50

+72

9.99947.84

+81.07

CAJ-7891



29 Nov. 1960

14  
137

LT

~~E~~

RT

|      |      |          |          |      |
|------|------|----------|----------|------|
| 45.3 | 45.3 | 46.78    | 46.87    | 46.4 |
| 12.5 | 12.3 | 11.05    | 10.96    | 11.4 |
| 20   | 17   | TOP RAIL | 17       | 20   |
|      |      |          | TOP RAIL |      |
|      | 45.1 | 45.5     | 45.7     | 46.5 |
|      | 12.7 | 12.3     | 12.1     | 11.3 |
|      | 20   |          | 9        | 17   |
| 45.2 | 45.7 | 47.6     | 48.6     | 49.8 |
| 12.6 | 12.1 | 10.2     | 9.2      | 8.0  |
| 20   | 8    |          | 5        | 13   |
|      |      |          |          | 20   |
|      |      |          |          |      |
| 44.8 | 45.4 | 49.3     | 50.5     | 52.4 |
| 13.0 | 12.4 | 8.5      | 7.3      | 5.4  |
| 28   | 20   |          | 12       | 20   |

Top Breather pipe 23.0 Lt.

+17 Lt

|      |      |         |      |
|------|------|---------|------|
| 47.0 | 46.9 | 49.7    | 54.5 |
| 10.8 | 10.9 | 8.1     | 3.3  |
| 20   | 13   | 10      |      |
|      |      | TOPWALL |      |

BOTTOM  
WALL

| Sta | + | $\pi$ | - | ELEV. |
|-----|---|-------|---|-------|
|-----|---|-------|---|-------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 957.83 |  |  |
|--|--|--------|--|--|

4+95

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 13.05 | 967.60 | 3.28 | 954.55 |
|----|-------|--------|------|--------|

|    |      |        |      |        |
|----|------|--------|------|--------|
| TP | 5.04 | 971.58 | 1.06 | 966.54 |
|----|------|--------|------|--------|

4+81.07

4+95

5+26

+33.85

4

d

29 Nov. 1960

PT

15  
138

|      |      |      |
|------|------|------|
| 51.2 | 52.1 | 54.4 |
| 6.6  | 5.7  | 3.4  |
| 20   | 8    |      |

NAIL IN HUB  $\frac{1}{2}$  STA 4+81.07  
TOP PLANK

|      |      |
|------|------|
| 67.6 | 71.6 |
| 4.0  | 0.0  |
| 21   | 30   |
|      | BT   |

N. END BRIDGE

|      |      |      |
|------|------|------|
| 65.6 | 70.8 | 71.1 |
| 6.0  | 0.8  | 0.5  |
| 20   | 30   | 33   |
|      |      | BT   |

|      |      |      |      |      |
|------|------|------|------|------|
| 65.2 | 67.3 | 67.1 | 69.8 | 70.1 |
| 6.4  | 4.3  | 4.5  | 1.8  | 1.5  |
| 20   |      | 20   | 33   | 37   |
|      |      |      |      | BT   |

|      |      |      |      |      |
|------|------|------|------|------|
| 66.8 | 67.5 | 67.5 | 69.6 | 69.7 |
| 4.8  | 4.1  | 4.1  | 2.0  | 1.9  |
| 20   |      | 20   | 34   | 39   |
|      |      |      |      | BT   |

| Sta | + | $\pi$  | - | ELEV |
|-----|---|--------|---|------|
|     |   | 971.58 |   |      |

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 2.77 | 974.34 | 0.01  | 971.57 |
|    | 0.80 | 961.46 | 13.68 | 960.66 |

2+50

3+00

|      |      |        |       |        |
|------|------|--------|-------|--------|
| T.P. | 1.08 | 950.81 | 11.73 | 949.73 |
|------|------|--------|-------|--------|

|      |  |  |      |        |
|------|--|--|------|--------|
| 4+34 |  |  | 7.90 | 942.91 |
|------|--|--|------|--------|

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 5.91 | 944.90 |
|----|--|--|------|--------|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 13.70 | 963.43 | 1.08 | 949.73 |
|----|-------|--------|------|--------|

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 10.06 | 972.87 | 0.62 | 962.81 |
|----|-------|--------|------|--------|

|    |  |  |      |        |
|----|--|--|------|--------|
| BM |  |  | 0.80 | 972.07 |
|    |  |  |      | 972.10 |



29 NOV. 1960

LT

E

RT

16  
139

TOP NAIL N. END BRIDGE

TOP ROCK 10' LT STA 2+25

|      |      |
|------|------|
| 56.8 | 57.5 |
| 4.7  | 4.0  |
| 20   | 10   |

|      |      |      |
|------|------|------|
| 53.6 | 53.7 | 55.3 |
| 7.9  | 7.8  | 6.2  |
| 20   | 18   | 8    |

TOP BOLT 10' LT STA 3+70

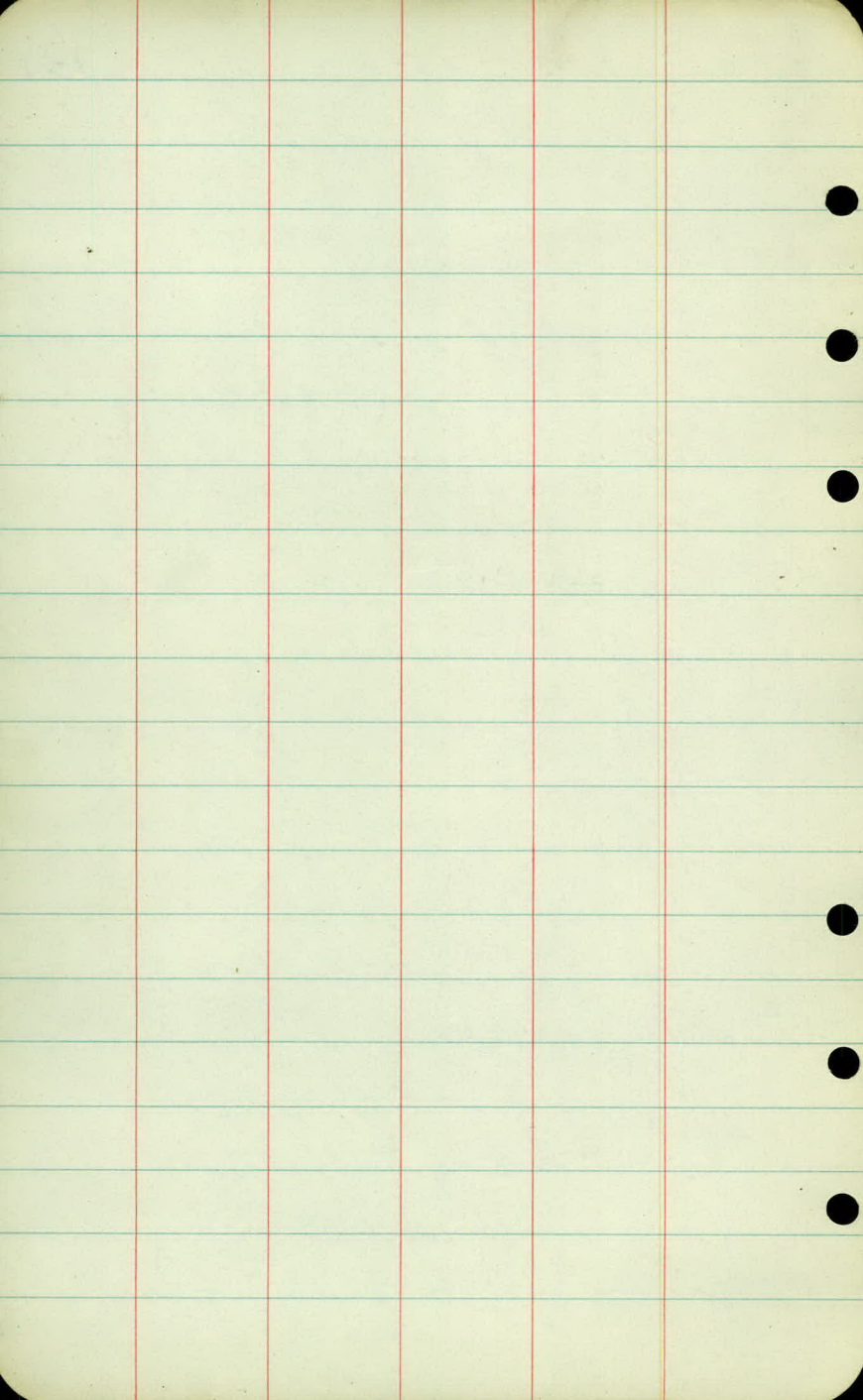
TOP CASTING MH 44' LT Beehive cover

TOP ANGLE FROM HI LINE STANDARD

TOP BOLT 10' LT STA 3+70

TOP ROCK 8.0 LT STA 1+80

NAIL IN P.P. 33.0 LT SECTION LINE STA 1+06



KP  
JS  
FS  
RB  
LB

Lt

25 Nov. 1960  
Lt

Rt

17  
140

SILVER LAKE RD.  
CO. RD D TO CO. RD E  
NEW BRIDGE ALINEMENT  
TOPOGRAPHY

5+00 Lt.  $\frac{+84 \text{ Bq } 68}{30}$  RT

$\frac{+72 \text{ Breather Pipe}}{23}$

$\frac{+81.07 \text{ NENDBRIDGE}}{30}$

$\frac{+81 \text{ WINDWALL}}{23}$

$\frac{+34 \text{ CB}}{44}$

+23.5 RR TRACK

$\frac{+41 \text{ PIER}}{27}$

$\frac{+25 \text{ N. END 24"} }{52.0}$

H.R. RR TRACK

$\frac{+42 \text{ PIER}}{26}$  +36 RT RETAINING WALL

+25 RR TRACK

$\frac{+34 \text{ RT PIERS}}{26 \text{ TO } 62}$  25-87

4+00

RR TRACK

$\frac{+32 \text{ RT PIERS}}{27-63}$

$\frac{+93 \text{ PIER}}{24}$

$\frac{+80 \text{ S. END 24" X 49.0 SCP}}{41}$

+93 RT Front Row Piers

$\frac{+65 \text{ TP}}{79}$

$\frac{+89 \text{ Retaining Wall}}{10 \text{ LT TO } 68 \text{ RT}}$  +90 RT ROW OF PIERS

$\frac{+02 \text{ MM}}{51.5}$

+89 T.P.

$\frac{+88 \text{ WINDWALL}}{18}$

3+00

BT  
22

$\frac{+66 \text{ END } 68}{25}$

$\frac{+68 \text{ S. END BRIDGE}}{25}$

2+00

BT  
22

+36 begin 6R Posts  
 $\frac{15}{15}$  20 Posts 12.0 C to C

1+00

BT  
16

$\frac{+25 \text{ POR}}{00}$

$\frac{+60 \text{ ENDR}}{14}$

$\frac{+24 \text{ Aft. lite pole}}{8}$

+09 Bq R  
25

0+00

PK 0

iron ment.  
S $\frac{1}{4}$  Cor. Sec 31-T 30-R23



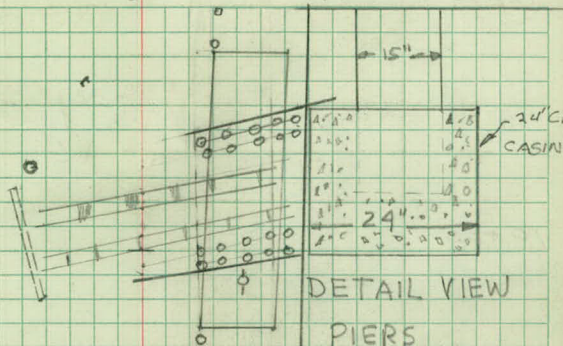
29 NOV 1960

18/41

LF

±

RT



DETAIL VIEW  
PIERS

ROW = 5 PIERS  
9.5 C TO C

ADDITIONAL  
TOPO. NOTES

+59 END RET WALL  
80 +43 PIER  
60

+47 PIER  
60  
+43 RET WALL WOOD  
21

+02 END PIER  
59  
+01 END RET WALL  
68

4+06 END PIERS  
59

WIKEN MOUNT.

11+00

10+00

$$+79 \frac{MH}{4}$$

9+00

8+00

7+00

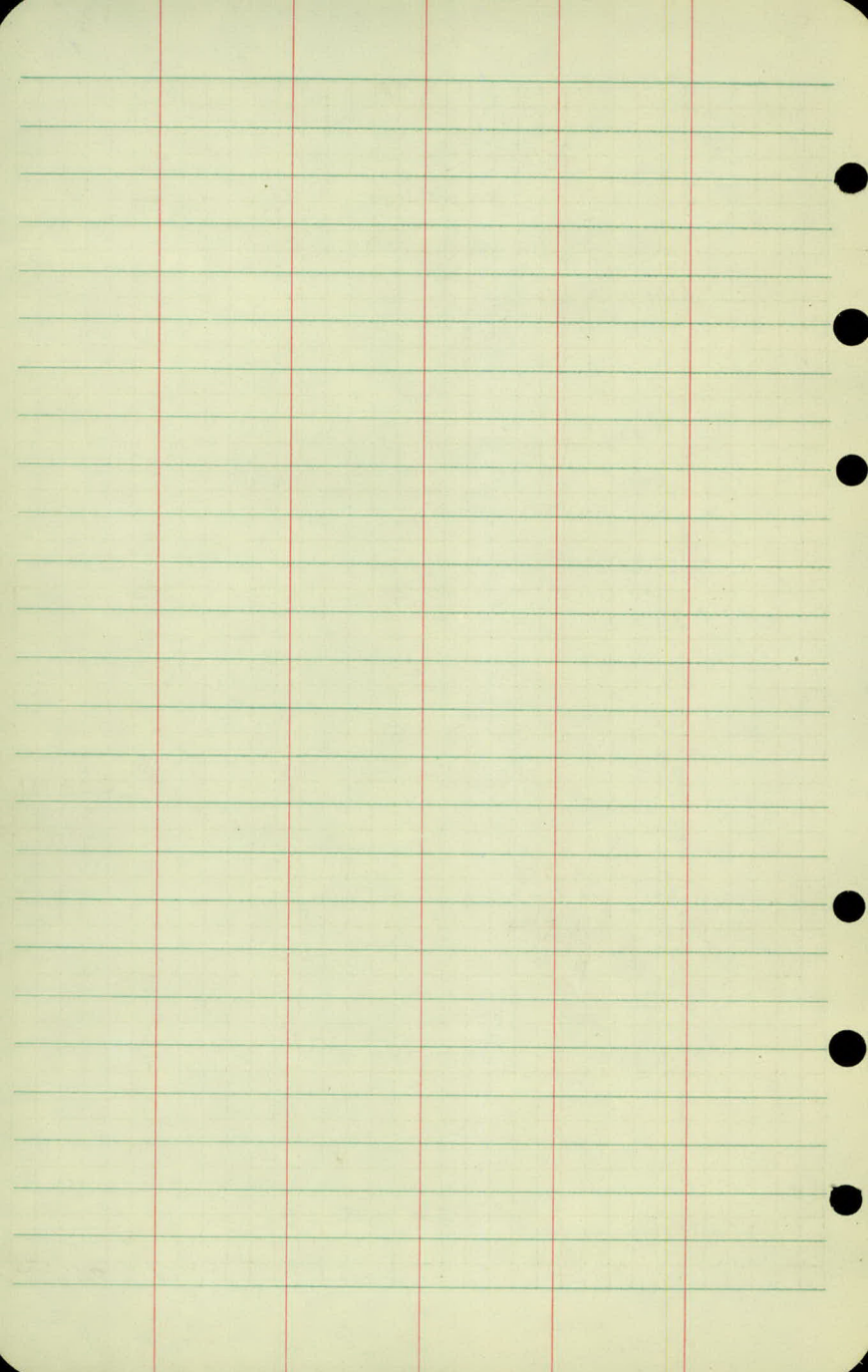
$$+93 \frac{MH}{10}$$

6+00

29 Nov 1960

19.  
142







KP  
US  
FS

10 JAN. 1961

5  
143

SILVER LAKE RD  
TOPOGRAPHY  
T.C.A. FORCE MAIN

LT +71 broader 4

RT

+76 NKOR

64

+76 NKOR

68

58

+77 NKOR

57

+66 SECORMH

56

+65 SW.COR.MH

63

+50

+28 PIPE

58

4

+86 PIPE

57

3

10 JAN 1961

6.  
144

4

4



SECTION LINE

LT

#

RT

$$+ 77 \text{ NECOR}$$


---

 12

$$+ 78 \text{ NWCOR}$$


---

 19.5

$$+ 71 \text{ Breakdown}$$


---

 23

$$+ 77 \text{ MHCOVER}$$


---

 14

$$+ 67 \text{ SECOR}$$


---

 12

$$+ 66 \text{ SWCOR}$$


---

 19.5

+50

$$+ 22 \text{ PIPE}$$


---

 16

4

$$+ 84 \text{ PIPE}$$


---

 18.5

+50

3



10 JAN 1961

7.  
145

~~4~~

4



PROPOSED ~~4~~ BRIDGE

$\Delta 20^{\circ}30'$

R6  
JS  
IL  
WM  
FS

April 19, 1961  
Fair 45° Windy

Silver Lake Rd  
X Section Extensions

3 pages

| Sta | +    | $\pi$  | - | Elev   |
|-----|------|--------|---|--------|
| BM  | 0.90 | 955.43 |   | 954.53 |

15+00

+50

+68 Top Bank

+73 Bottom Bank

16+00

+50



April 15, 1961  
Windy 45°

E

Rt

2

Top Breather Pipe TCA#19

S.W. Ent. to  
Sunset Lane

P.97

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 49.3 | 49.1 | 47.2 | 47.3 | 49.2 | 51.0 | 53.1 | 53.6 | 53.8 |
| 6.1  | 6.3  | 8.2  | 8.1  | 6.2  | 4.4  | 2.3  | 1.8  | 1.6  |
|      | 12   | 27   | 34   | 50   | 76   | 100  | 114  | 122  |

|      |      |         |      |      |      |      |      |       |      |
|------|------|---------|------|------|------|------|------|-------|------|
| 48.3 | 48.1 | 46.5    | 47.8 | 47.7 | 48.5 | 50.6 | 52.3 | 52.99 | 53.4 |
| 7.1  | 7.3  | 8.9     | 7.6  | 7.7  | 6.9  | 4.8  | 3.1  | 2.44  | 2.0  |
|      | 12   | 20      | 24   | 32   | 58   | 80   | 100  | 108   | 114  |
|      |      | FL      |      |      |      |      |      | S.W.  | H.O. |
|      |      | 15' CM  |      |      |      |      |      |       |      |
|      |      | So. end |      |      |      |      |      |       |      |

|      |      |      |      |      |      |      |        |
|------|------|------|------|------|------|------|--------|
| 48.0 | 47.7 | 46.0 | 47.4 | 47.5 | 49.2 | 51.8 | 52.9   |
| 7.4  | 7.7  | 9.4  | 8.0  | 7.9  | 6.2  | 3.6  | 2.5    |
|      | 12   | 20   | 24   | 42   | 70   | 100  | 116    |
|      |      | FL   |      |      |      |      | Garage |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 47.9 | 47.6 | 45.9 | 45.7 | 45.3 | 46.5 | 48.2 | 49.3 | 52.1 |
| 7.5  | 7.8  | 9.5  | 9.7  | 10.1 | 8.9  | 7.2  | 6.1  | 3.3  |
|      | 12   | 21   | 29   | 39   | 71   | 87   | 100  | 117  |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 47.4 | 47.1 | 45.7 | 45.7 | 45.8 | 47.1 | 48.2 | 49.4 | 50.6 | 51.4 |
| 8.0  | 8.3  | 9.7  | 9.7  | 9.6  | 8.3  | 7.2  | 6.0  | 4.8  | 4.0  |
|      | 12   | 21   | 29   | 53   | 77   | 100  | 115  | 120  | 130  |

|      |      |         |      |      |      |      |      |
|------|------|---------|------|------|------|------|------|
| 46.4 | 46.2 | 44.4    | 45.2 | 45.3 | 45.8 | 46.0 | 47.9 |
| 9.0  | 9.2  | 11.0    | 10.2 | 10.1 | 9.6  | 9.4  | 7.5  |
|      | 12   | 22      | 26   | 50   | 83   | 100  | 130  |
|      |      | FL      |      |      |      |      |      |
|      |      | 15' CM  |      |      |      |      |      |
|      |      | No. end |      |      |      |      |      |

Sta

+

$\pi$

-

Elev

955.43

17+00

+50

BM

0.90



F

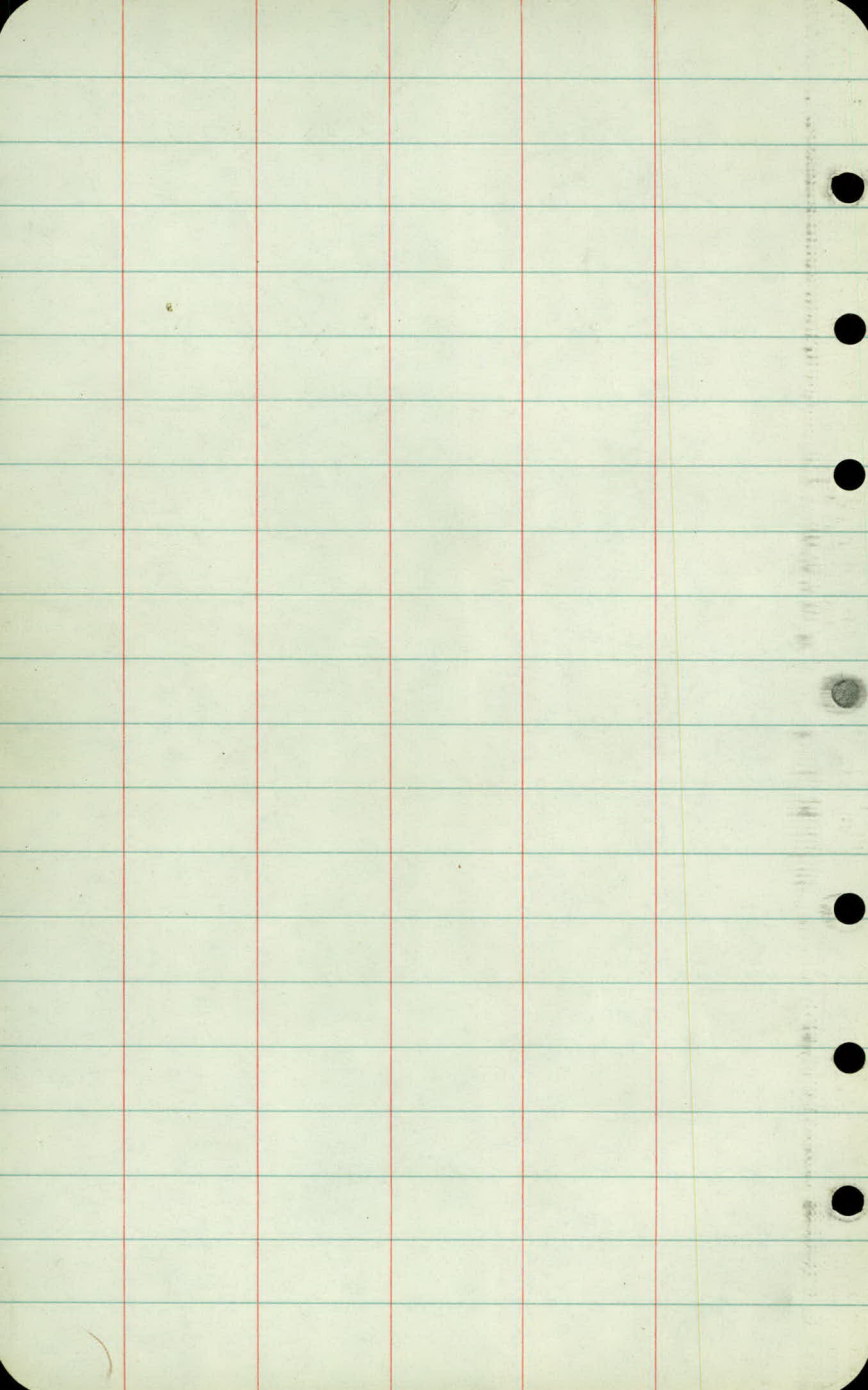
Rt

3

| $\times 5.6$ | $\times 5.3$ | $\times 3.2$ | $\times 3.9$ | $\times 3.6$ | $\times 4.1$ | $\times 5.3$ | $\times 5.7$ |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 9.8          | 10.1         | 12.0         | 11.5         | 11.8         | 11.3         | 10.1         | 9.7          |
|              | 12           | 22           | 26           | 45           | 69           | 100          | 130          |
|              |              |              | Fe           |              |              |              |              |

| $\times 4.8$ | $\times 4.6$ | $\times 2.9$ | $\times 3.4$ | $\times 3.6$ | $\times 2$ | $\times 5.3$ | $\times 6.1$ |
|--------------|--------------|--------------|--------------|--------------|------------|--------------|--------------|
| 10.6         | 10.8         | 12.5         | 12.0         | 11.8         | 11.2       | 10.1         | 9.3          |
|              | 12           | 20           | 25           | 39           | 69         | 100          | 130          |
|              |              |              | Fe           |              |            |              |              |

Top Breather pipe TCA #19





RG  
JL  
LB

June 2, 1961  
Clear, Cool

1

Co. Rd "D" & Silverlake Rd.

Bench Level Check

| Sta               | +     | $\pi$   | -      | E/ev            |
|-------------------|-------|---------|--------|-----------------|
| BM <sub>1</sub>   | 1.256 | 976.686 |        | 975.430         |
| BM <sub>2</sub>   |       |         | 0.269  | 976.417         |
| BM <sub>3</sub>   | 0.556 | 972.502 | 4.740  | 971.946 972.10  |
| Bm <sub>4</sub>   |       |         | 13.447 | 959.055         |
| Bm <sub>5</sub>   |       |         | 13.420 | 959.082         |
| Bm <sub>6</sub>   |       |         | 13.422 | 959.080         |
| Bm <sub>7</sub>   |       |         | 13.421 | 959.081         |
| T.P. <sub>1</sub> | 5.484 | 977.595 | 0.391  | 972.111         |
| BM <sub>3</sub>   |       |         | 5.648  | 971.947 971.416 |
| BM <sub>2</sub>   |       |         | 1.179  | 976.416 976.417 |
| BM <sub>1</sub>   |       |         | 2.162  | 975.433 975.430 |

June 2, 1961

# Description

2

Top Breather pipe NE cor. Co Rd D  $\frac{1}{2}$  Silver Lake Rd.

Top Hydrant SE cor. " " " " "

Spike in PP 33' Rt Sta 1406

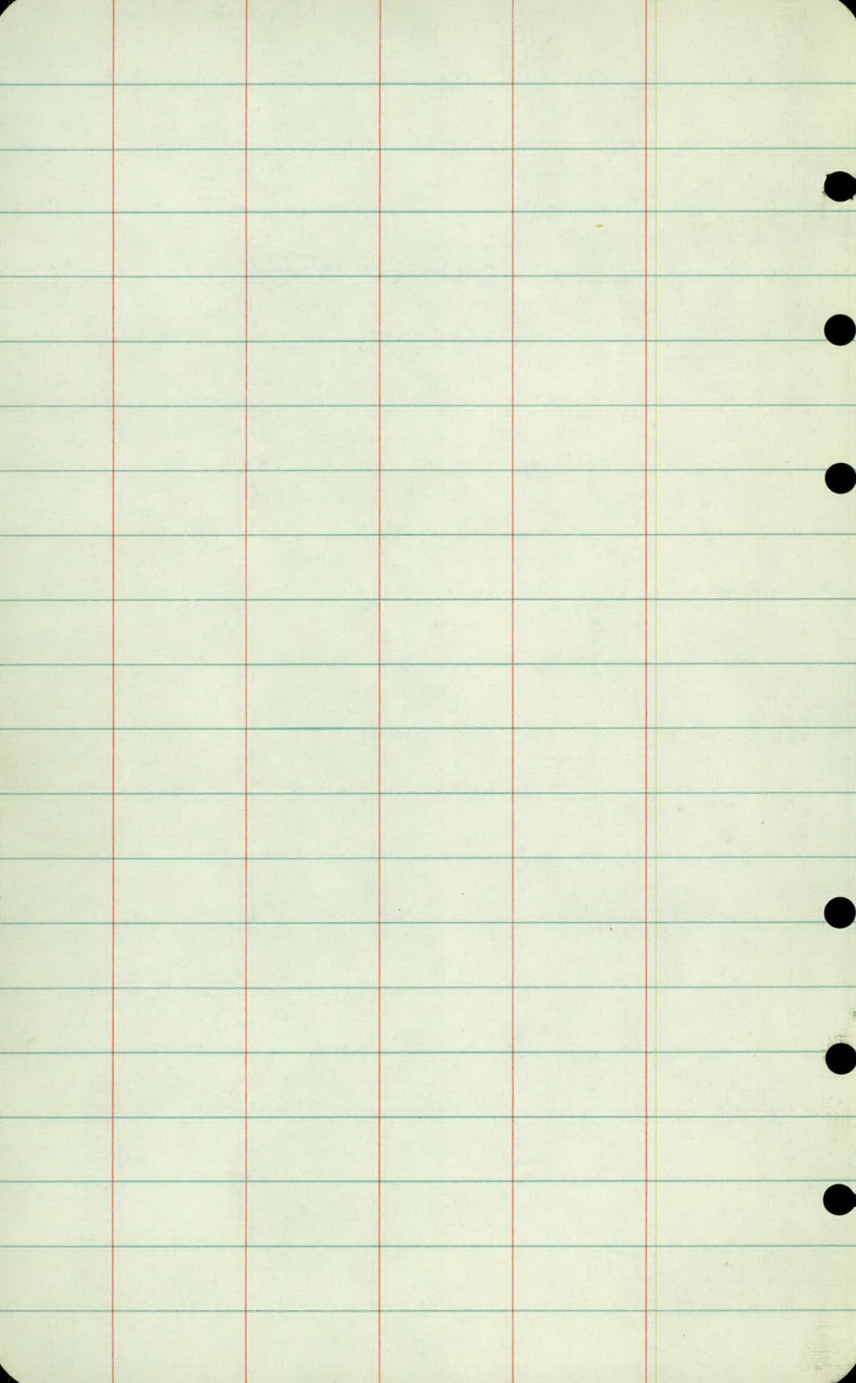
Top angle iron West Footing of Highpower Tower Rt.

" " " NORTH " " " " "

" " " EAST " " " " "

" " " SOUTH " " " " "

N.W. cor. concrete slab Filling STATION ISLAND





KP  
FS  
RB  
JD

14 JUNE 1961  
COOL 60°

1

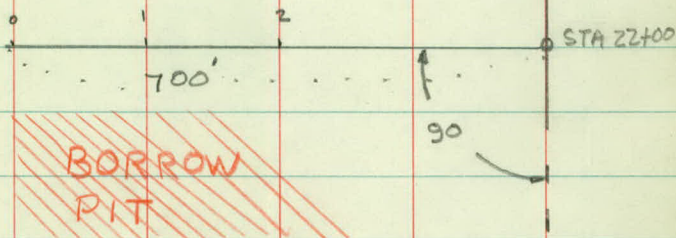
CENTER  
SEC 31  
T 30  
R 23

SILVER LAKE RD

BORROW PIT

X-SECTIONS

5 PAGES



0+00 = 700.0 W. of STA 22+00

REC- 6-14-61

K.A.

Plotted  
June 15, 1961

| STA | +    | $\pi$  | - | ELEV.    |
|-----|------|--------|---|----------|
| BM  | 6.65 | 968.53 |   | (961.88) |

0-25

✓

0+00 = 700' WEST OF ~~E~~ STA 22+00

✓

|    |       |        |      |        |
|----|-------|--------|------|--------|
| TP | 10.00 | 978.53 | 0.00 | 968.53 |
|----|-------|--------|------|--------|

0+25

↓

14 JUNE 1961

2.

E

RT

TOP HUB 710' E W. OF E STA 22+00

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 61.8 | 62.6 | 63.1 | 63.4 | 63.7 | 64.5 | 65.5 |
| 6.7  | 5.9  | 5.4  | 5.1  | 4.8  | 4.0  | 3.0  |
|      | 50   | 100  | 125  | 150  | 200  | 215  |

|        |      |      |      |
|--------|------|------|------|
| ✓ 63.4 | 65.0 | 65.8 | 66.1 |
| ✓ 5.1  | 3.5  | 2.7  | 3.4  |
| 266    | 262  | 255  | 250  |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 60.9 | 61.8 | 63.0 | 63.5 | 63.9 | 65.5 | 67.2 |
| 7.6  | 6.7  | 5.5  | 5.0  | 4.8  | 3.0  | 1.3  |
|      | 50   | 100  | 124  | 154  | 174  | 200  |

TOP TERRACE

|        |      |      |      |
|--------|------|------|------|
| ✓ 65.6 | 66.3 | 66.3 | 67.6 |
| 2.9    | 2.2  | 2.2  | 0.9  |
| 260    | 253  | 232  | 219  |

TOP  
TERRACE

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| ROCK | 59.6 | 60.6 | 63.1 | 66.7 | 68.1 | 68.4 | 67.7 |
|      | 18.9 | 17.9 | 15.4 | 11.8 | 10.4 | 10.1 | 10.8 |
|      |      | 50   | 100  | 119  | 135  | 163  | 200  |

|        |      |      |
|--------|------|------|
| ✓ 65.1 | 67.0 | 68.2 |
| 13.4   | 11.5 | 10.3 |
| 260    | 253  | 217  |

TOP  
TERRACE

STA

+

$\pi$

-

ELEV

97853

0+50

✓

1+00

✓

1+50

✓



14 JUNE 1961 3.

| 58.8 | 58.9 | 61.2 | 67.9 | 64.1 | 67.3 |
|------|------|------|------|------|------|
| 19.7 | 19.6 | 17.3 | 16.6 | 14.4 | 11.2 |
|      | 41   | 58   | 94   | 100  | 119  |

| 64.0 | 66.0 | 67.9 | 68.5 | 70.0 | 71.9 | 71.5 |
|------|------|------|------|------|------|------|
| 14.5 | 12.5 | 10.6 | 10.0 | 8.5  | 6.6  | 7.0  |
| 261  | 255  | 230  | 217  | 200  | 179  | 150  |

| 57.2 | 58.0 | 61.0 | 61.9 | 64.8 | 68.1 | 70.3 |
|------|------|------|------|------|------|------|
| 21.3 | 20.5 | 17.5 | 16.6 | 13.7 | 10.4 | 8.2  |
|      | 26   | 70   | 80   | 100  | 115  | 132  |

| 63.9 | 66.5 | 70.5 | 74.1 | 75.6 | 75.1 | 75.0 |
|------|------|------|------|------|------|------|
| 14.6 | 12.0 | 8.0  | 4.4  | 2.9  | 3.4  | 3.5  |
| 253  | 228  | 211  | 200  | 192  | 167  | 145  |

| 56.1 | 57.8 | 61.1 | 62.3 | 66.9 | 73.5 | 74.0 |
|------|------|------|------|------|------|------|
| 22.4 | 20.7 | 17.4 | 16.2 | 11.6 | 5.0  | 4.5  |
|      | 42   | 59   | 81   | 100  | 142  | 164  |

| 63.2        | 64.5 | 67.8 | 72.8 | 74.7 |
|-------------|------|------|------|------|
| 15.3        | 14.0 | 10.7 | 5.7  | 3.8  |
| 244         | 231  | 212  | 200  | 195  |
| TOP TERRACE |      |      |      |      |

| STA | + | X | - | ELEV |
|-----|---|---|---|------|
|-----|---|---|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 978.53 |  |  |
|--|--|--------|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+00 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+50 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 0.00 | 968.53 | 10.00 | 968.53 |
|----|------|--------|-------|--------|

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 7.73 | 966.21 | 10.05 | 958.48 |
|----|------|--------|-------|--------|

14 JUNE 1961

| RT   |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 55.3 | 55.9 | 61.4 | 61.8 | 65.4 | 71.9 | 72.1 |
| 23.2 | 22.6 | 17.1 | 16.7 | 13.1 | 6.6  | 5.7  |
|      | 37   | 70   | 84   | 100  | 139  | 167  |

| ✓ 62.1 | 62.5 | 64.9 | 65.4 | 71.8 | 72.8 |  |
|--------|------|------|------|------|------|--|
| 16.4   | 16.0 | 13.6 | 12.1 | 6.7  | 5.7  |  |
| 245    | 233  | 225  | 212  | 200  | 196  |  |

| 54.5 | 55.0 | 56.7 | 60.1 | 60.1 | 63.1 | 65.5 |
|------|------|------|------|------|------|------|
| 24.0 | 23.5 | 21.8 | 18.4 | 18.4 | 15.4 | 10.0 |
|      | 35   | 52   | 71   | 86   | 100  | 125  |

| ✓ 62.5 | 62.8 | 64.0 | 66.8 | 68.3 | 68.6 |  |
|--------|------|------|------|------|------|--|
| 16.0   | 15.7 | 14.5 | 11.7 | 10.2 | 9.9  |  |
| 242    | 231  | 218  | 209  | 200  | 160  |  |

TOP TERRACE

ROCK

ROCK

| STA | + | $\pi$ | - | ELEV |
|-----|---|-------|---|------|
|-----|---|-------|---|------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 966.21 |  |  |
|--|--|--------|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 3+00 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 1.21 | 953.87 | 13.55 | 952.66 |
|----|------|--------|-------|--------|

|  |  |  |       |        |
|--|--|--|-------|--------|
|  |  |  | 13.47 | 940.40 |
|--|--|--|-------|--------|

|  |  |  |  |        |
|--|--|--|--|--------|
|  |  |  |  | 940.36 |
|--|--|--|--|--------|



14 JUNE 1961

5,

| <del>5A.0</del> | 5A.3 | 5B.3 | 5A  | 5B.7 | 60.7 | 6A.3 |
|-----------------|------|------|-----|------|------|------|
| 12.2            | 11.9 | 9.9  | 7.8 | 7.5  | 5.5  | 3.9  |
|                 | 49   | 69   | 100 | 109  | 135  | 162  |

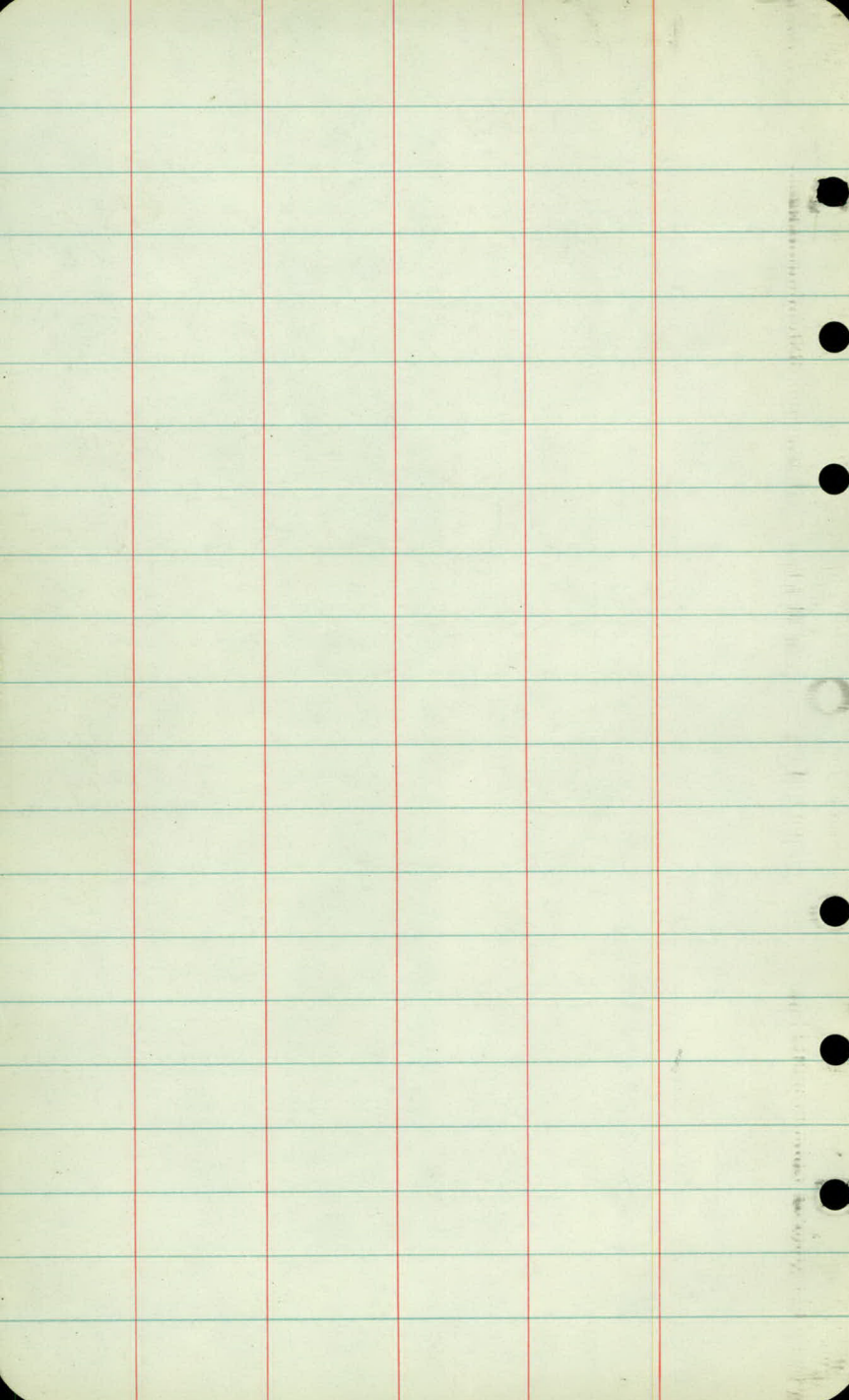
| ✓ 5B.6 | 5A.9 | 5B.9 | 60.6 | 6A.2.1 |
|--------|------|------|------|--------|
| 9.6    | 6.8  | 7.3  | 5.6  | 4.1    |
| 241    | 234  | 215  | 200  | 192    |

| 5B.2 | 5B.6 | 5B.0 | 5B.5 | 5B.8 | 5B.3 | 5B.2 |
|------|------|------|------|------|------|------|
| 13.0 | 12.6 | 11.2 | 9.7  | 9.4  | 9.9  | 10.0 |
|      | 54   | 79   | 100  | 143  | 170  | 200  |

| 5A.5 | 5A.5 |
|------|------|
| 11.8 | 11.7 |
| 245  | 217  |
| N6   |      |

SPIKE

TOP BREATHER 21.0 LT STA 24+50



KP  
RB  
JD

20 JULY 1961

1.

APACHE PLAZA

BORROW PIT

FINAL X-SECTIONS

0+00 = 700' LT STA 22+00

5 pages

| STA  | +    | π      | - | ELEV.  |
|------|------|--------|---|--------|
| BM   | 6.96 | 968.84 |   | 961.88 |
| 0-25 |      |        |   |        |
| ✓    |      |        |   |        |
| 0+00 |      |        |   |        |
| ✓    |      |        |   |        |
| +25  |      |        |   |        |
| ✓    |      |        |   |        |



20 JULY 1961

2.

4

RT

TOP HUB 710.0<sup>±</sup> W. STA 22+00

|   |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|
| 1 | 7.1  | 6.4  | 5.7  | 4.9  | 4.1  | 3.8  | 3.6  |
|   | 50   | 100  | 150  | 200  | 250  | 264  |      |
|   | 61.7 | 62.4 | 63.1 | 63.9 | 64.7 | 65.0 | 65.2 |

TOP OF TERRACE

|   |      |      |      |      |      |      |
|---|------|------|------|------|------|------|
| ✓ | 8.0  | 7.1  | 5.8  | 4.5  | 2.5  | 2.3  |
|   | 50   | 100  | 150  | 180  | 200  |      |
|   | 60.8 | 61.7 | 63.0 | 64.3 | 66.3 | 66.5 |

|                |     |
|----------------|-----|
| 3.8            | 3.2 |
| 262            | 237 |
| TOP OF TERRACE |     |

|   |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|
| ✓ | 9.2  | 8.4  | 5.6  | 3.5  | 2.9  | 2.5  | 1.5  |
|   | 50   | 100  | 126  | 162  | 200  | 232  |      |
|   | 59.6 | 60.4 | 63.2 | 65.3 | 65.9 | 66.3 | 67.3 |

|                |
|----------------|
| 3.9            |
| 256            |
| TOP OF TERRACE |

| Sta | + | $\pi$ | - | ELEV. |
|-----|---|-------|---|-------|
|-----|---|-------|---|-------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 968.84 |  |  |
|--|--|--------|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 0+50 |  |  |  |  |
|------|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

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

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| ✓    |  |  |  |  |
| 1+50 |  |  |  |  |

|   |  |  |  |  |
|---|--|--|--|--|
| ✓ |  |  |  |  |
|---|--|--|--|--|

20 JULY 1961

3.

RT

✓ 10.0 58.8  
40 58.8  
7.0 61.8  
5.5 63.3  
2.9 65.9  
3.0 65.8  
2.7 66.1

65.6  
3.2 2.2 2.6  
253 228 200  
TOP  
TERRACE

✓ 11.5 57.3  
26 57.9  
7.6 61.2  
7.1 61.7  
4.1 64.7  
2.0 66.8  
3.9 64.9

4.9 63.9  
3.4 65.4  
3.4 65.4  
3.1 65.7  
3.6 65.2  
3.2 65.6  
3.3 65.5  
2.9 65.9  
256 244 229 200 188 160 149 144  
TOP  
TERRACE

✓ 12.7 56.1  
42 57.8  
2.4 66.4  
1.9 66.9  
5.5 63.3  
4.3 64.5  
3.9 64.9

62.3  
6.5 5.1 4.7 3.7  
256 250 232 200  
TOP  
TERRACE

Sta +  $\pi$  - ELEV.

968.84

2+00

✓

TP 7.40 964.59 11.65 957.19

+50

✓

3

✓



20 JULY 1961

4.

A

RT

✓ 55.3  
13.5 12.8 7.4 4.1 3.8 6.9 5.5  
35 81 100 104 118 157

✓ 58.6 61.3 62.6 63.1 63.5  
10.2 7.5 6.2 5.7 5.3  
253 246 225 205 200

TOP  
TERRACE

TOP ROCK

54.5  
✓ 10.1 9.6 5.5 2.1 1.5 4.0 2.8  
38 72 100 105 118 150

✓ 57.2 59.4 61.0 62.1  
7.4 5.2 3.6 2.5  
254 247 221 200

TOP  
TERRACE

54.0 54.2 56.9 59.7 60.5 58.5  
10.6 10.4 7.7 4.9 4.1 6.1  
44 73 100 104 116

55.8 58.3 59.5 60.4 61.1 60.7  
8.8 6.3 5.1 4.2 3.5 3.9  
254 245 220 200 173 152  
TOP  
TERRACE

| STA | + | T | - | ELEV. |
|-----|---|---|---|-------|
|-----|---|---|---|-------|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 964.59 |  |  |
|--|--|--------|--|--|

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

|    |      |        |       |        |
|----|------|--------|-------|--------|
| TP | 1.06 | 953.13 | 12.52 | 952.07 |
|----|------|--------|-------|--------|

|    |      |        |       |        |        |
|----|------|--------|-------|--------|--------|
| BM | 5.45 | 945.57 | 13.03 | 940.10 | 940.12 |
|----|------|--------|-------|--------|--------|

|    |  |  |      |        |        |
|----|--|--|------|--------|--------|
| BM |  |  | 3.33 | 942.24 | 942.27 |
|----|--|--|------|--------|--------|

20 JULY 1961

5.

✓

RT

53.1

11.5

54.0

10.6

56

56.8

7.8

100

57.5

7.1

109

58.3

6.3

139

58.1

6.5

165

57.9

6.7

200

✓

10.54.5

10.1

268

1/6

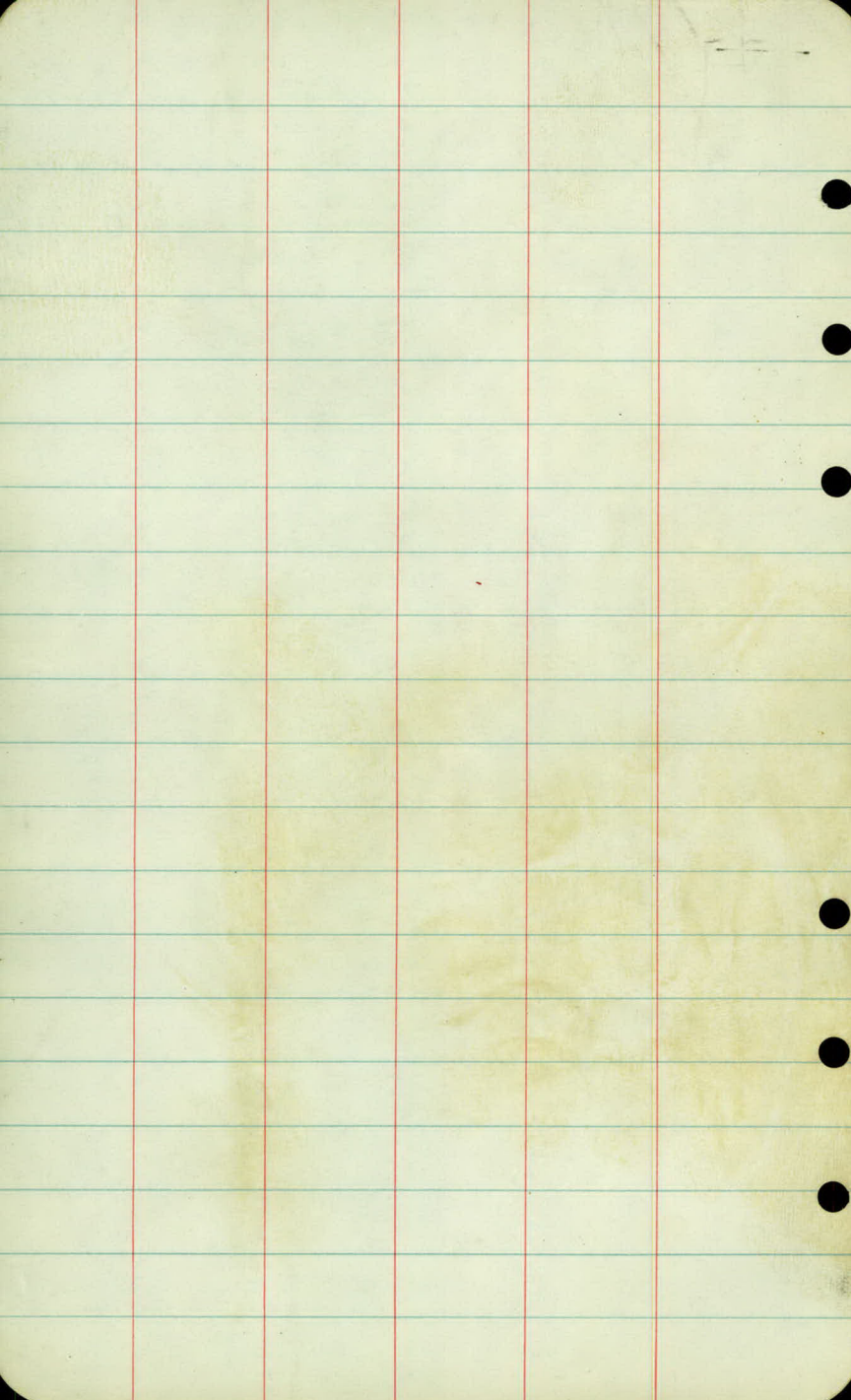
TOP ROCK

TOP VENT STA 24+50

SPIKE IN 30" OAK 45' RT STA 26+50

Robert H. Allen

1-2/4/61





DL  
am.  
LB

June 26, 1961

LOCATION OF TCA 18  
MAN HOLE ON SECTION LINE

LOCATION OF TCA  
MAN HOLE FROM SOUTH BOUND LANE E

+55 Lt C

Breather pipe  
3.8' From West Edge

+62 N. Edge

NE COR NW COR  
17.0' 25.0'

+59 Center ManHole cover  
22'

+50 S. Edge

S.E. COR SW COR  
17.0' 25.0'

24+00

13+00

12+00

+03 center ManHole  
cover  
37

+06 NE COR  
41'

+94 SE COR  
41'

+98 Breather  
31.5'

Lt

C

JUNE 26, 1961

R+

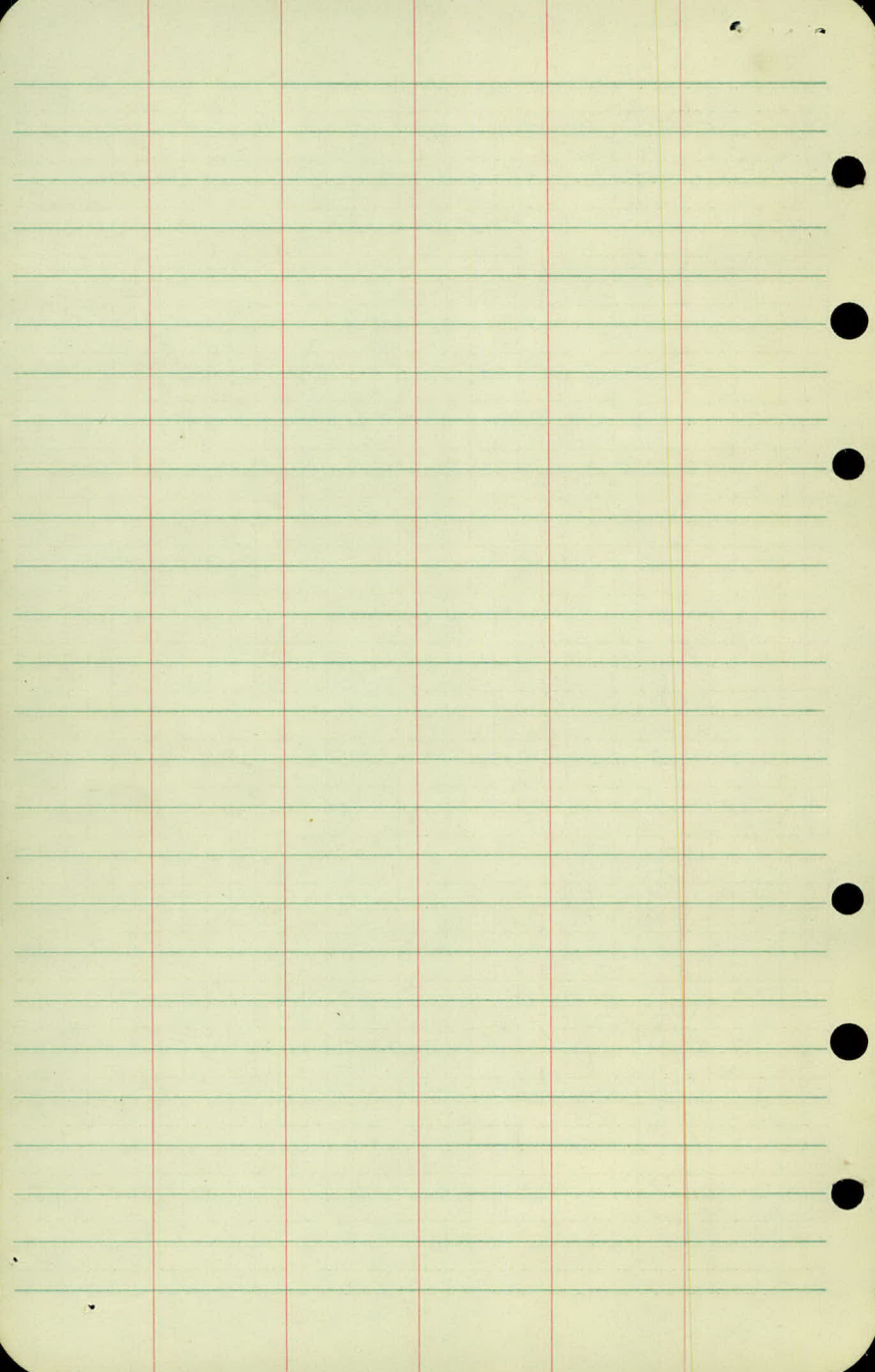
2



SECTION LINE

SOUTH BOUND LANE







JUNE 26, 1961

1

JL  
WM  
LB

Elevation of TCA 18 +

TCA AT 12+00

Man Hole :

| Sta   | +    | $\pi$  | - | ELV.   |
|-------|------|--------|---|--------|
| B.M., | 4.40 | 944.76 |   | 940.36 |

6.07

6.01

5.97

6.01

5.11 39.66

4.40 940.36

|      |      |        |  |        |
|------|------|--------|--|--------|
| B.M. | 4.58 | 959.11 |  | 954.53 |
|------|------|--------|--|--------|

7.09

7.15

7.11

6.20 952.91

4.58 954.53

# Description

2

TCA 18' Breather Pipe

SW COR TCA 18 MAN HOLE

SE " " "

NE " " "

N.W. " " "

N.W. COR OF Rim MANHOLE Cover TCA 18

TCA 18 Breather Pipe

TCA Breather Pipe

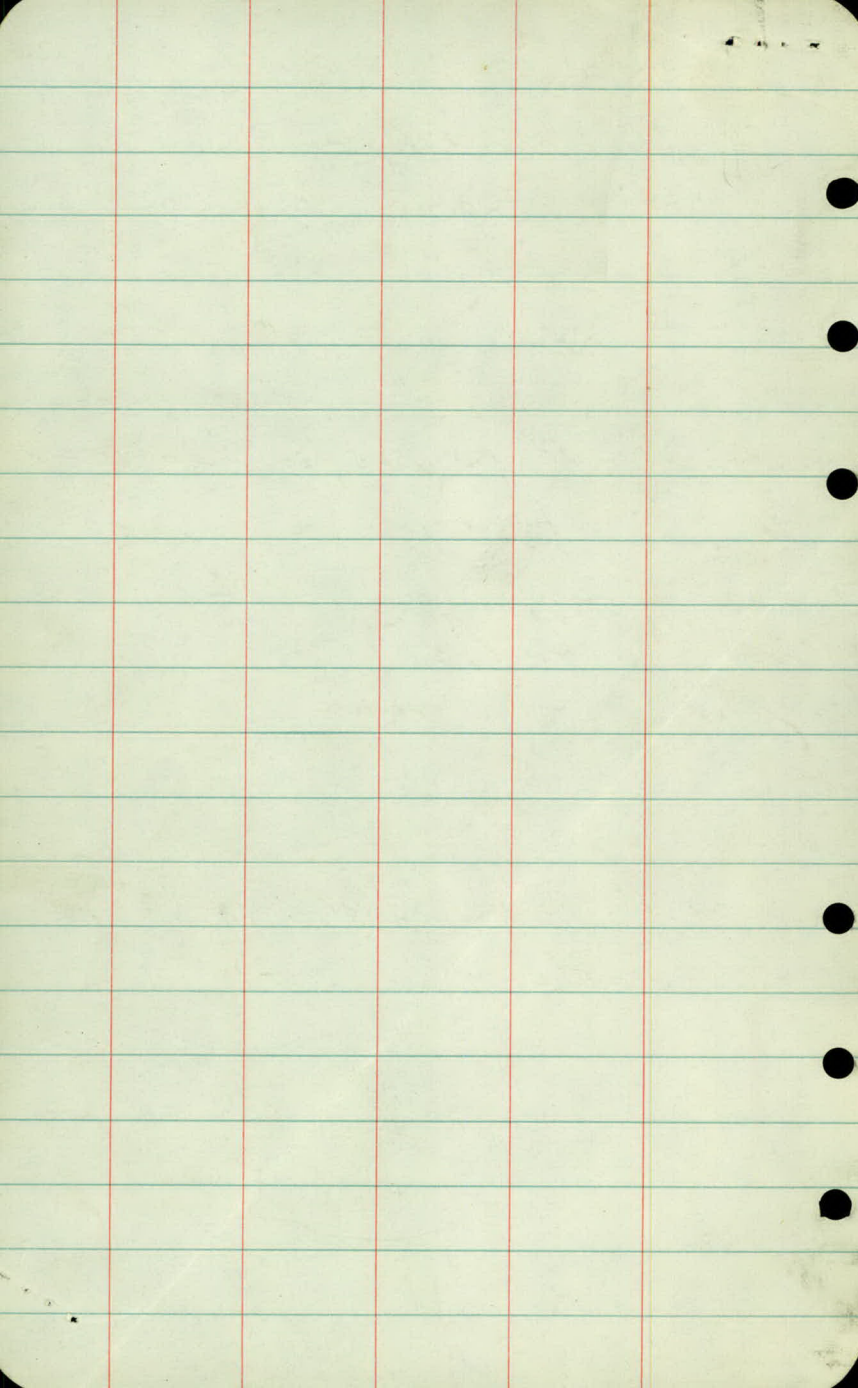
SE COR. TCA MANHOLE

NE " " "

SW "

SE Rim of MANHOLE cover TCA

TCA Breather Pipe 11+98 ±





Silver Lake Rd. From  
Co Rd. "D" to Lakeview Dr.

Profile Levels

12-3-59

L.C.

| Sta  | +     | $\pi$                       | -     | Elev                        |
|------|-------|-----------------------------|-------|-----------------------------|
| B.M. | 13.26 | <del>972.51</del><br>962.51 |       | 959.25                      |
| B.M. | 3.82  | <del>975.94</del><br>965.94 | 0.39  | <del>972.12</del><br>962.12 |
| 0+00 |       |                             | 2.9   | 713.9                       |
| +50  |       |                             | 3.7   | 712.2                       |
| 1    |       |                             | 4.3   | 711.6                       |
| +50  |       |                             | 4.6   | 711.3                       |
| 2    |       |                             | 4.7   | 711.2                       |
| +50  |       |                             | 4.8   | 711.1                       |
| 3    |       |                             | 4.9   | 711.0                       |
| +50  |       |                             | 4.5   | 711.4                       |
| +69  |       |                             | 4.3   | 711.5                       |
| 4    |       |                             | 4.3   | 711.5                       |
| +50  |       |                             | 4.3   | 711.6                       |
| +79  |       |                             | 4.3   | 711.6                       |
| 5    |       |                             | 4.7   | 711.2                       |
| +50  |       |                             | 6.4   | 695                         |
| 6    |       |                             | 9.1   | 67.8                        |
| +50  |       |                             | 11.8  | 64.1                        |
| T.P. | 1.42  | <del>965.07</del><br>955.07 | 12.29 | <del>963.65</del><br>953.65 |

12-3-59

1

Top  $\Delta$  iron Base of E. pier of tower

Spk. in pp. N.E. Cor. "D" + Silver Lake Rd.

S. End of bridge

N. E. of bridge

| sta  | +    | $\Sigma$                    | -     | Elev.                      |
|------|------|-----------------------------|-------|----------------------------|
|      |      | 965.07<br><del>953.07</del> |       |                            |
| 7+00 |      |                             | 3.6   | 61.5'                      |
| +50  |      |                             | 6.2   | 58.9                       |
| 8    |      |                             | 8.4   | 56.7                       |
| +50  |      |                             | 10.3  | 54.8                       |
| 9    |      |                             | 11.8  | 933.3<br><del>943.3</del>  |
| +50  |      |                             | 12.4  | 52.7                       |
| 10   |      |                             | 12.4  | 52.7                       |
| +50  |      |                             | 12.1  | 53.0                       |
| 11   |      |                             | 11.7  | 53.4                       |
| T.P. | 1.78 | 955.68<br><del>945.68</del> | 11.17 | 953.9<br><del>943.90</del> |
| +50  |      |                             | 2.1   | 53.6                       |
| 12   |      |                             | 2.2   | 53.5                       |
| +50  |      |                             | 2.5   | 53.2                       |
| 13   |      |                             | 2.8   | 52.9                       |
| +50  |      |                             | 3.5   | 52.2                       |
| 14   |      |                             | 4.5   | 51.2                       |
| +50  |      |                             | 5.3   | 50.4                       |
| 15   |      |                             | 6.2   | 49.5                       |





| Sta     | +    | $\Sigma$ | -     | Elev   |
|---------|------|----------|-------|--------|
|         |      | 935.68   |       |        |
| 15 + 50 |      |          | 7.2   | 485    |
| 16      |      |          | 8.1   | 476    |
| +50     |      |          | 9.0   | 467    |
| 17      |      |          | 9.9   | 458    |
| +50     |      |          | 10.7  | 450    |
| 18      |      |          | 11.5  | 442    |
| T.P.    | 2.59 | 945.85   | 12.42 | 943.26 |
| +50     |      | 935.85   | 2.5   | 434    |
| 19      |      |          | 3.1   | 428    |
| +50     |      |          | 3.5   | 424    |
| 20      |      |          | 3.8   | 421    |
| +50     |      |          | 4.1   | 418    |
| 21      |      |          | 4.4   | 415    |
| +50     |      |          | 4.7   | 412    |
| 22      |      |          | 5.1   | 408    |
| +50     |      |          | 5.4   | 405    |
| 23      |      |          | 5.8   | 401    |
| +50     |      |          | 6.2   | 397    |



| Sta    | +    | TP                          | -    | Elev.             |
|--------|------|-----------------------------|------|-------------------|
|        |      | <del>945.86</del><br>935.85 |      |                   |
| 24 +06 |      |                             | 6.3  | 394               |
|        |      | 946.25                      |      | 941.76            |
| T.P.   | 4.57 | <del>936.35</del>           | 4.07 | <del>931.78</del> |
| +50    |      |                             | 6.6  | 397               |
| 25     |      |                             | 6.3  | 400               |
| +50    |      |                             | 5.6  | 413               |
| 26     |      |                             | 4.7  | 412               |
| + 19.5 |      |                             | 4.2  | 421               |



Top Gaurd post T.C.A. # 18

| Sta | + | $\bar{X}$                   | - | E/ea |
|-----|---|-----------------------------|---|------|
|     |   | 945.81<br><del>935.85</del> |   |      |

|       |  |  |     |                |
|-------|--|--|-----|----------------|
| 21+00 |  |  | 4.4 | 941.5<br>931.5 |
|-------|--|--|-----|----------------|

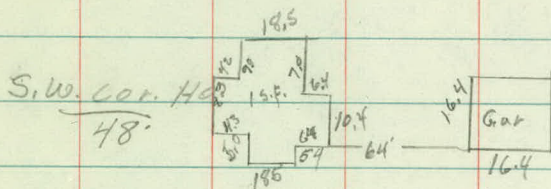
|       |  |  |     |                           |
|-------|--|--|-----|---------------------------|
| 21+64 |  |  | 4.8 | <del>941.1</del><br>931.1 |
|-------|--|--|-----|---------------------------|

|              |  |  |     |                           |
|--------------|--|--|-----|---------------------------|
| S.W. Cor. Ho |  |  | 7.1 | <del>938.8</del><br>928.8 |
|--------------|--|--|-----|---------------------------|

|       |       |     |       |                           |
|-------|-------|-----|-------|---------------------------|
| Sta 9 | 937.7 | 5.6 | 947.7 | 953.3<br><del>943.3</del> |
|-------|-------|-----|-------|---------------------------|

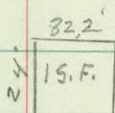
|      |  |     |                                    |
|------|--|-----|------------------------------------|
| 8+69 |  | 4.7 | 945.0<br><del>933.0</del><br>938.0 |
|------|--|-----|------------------------------------|

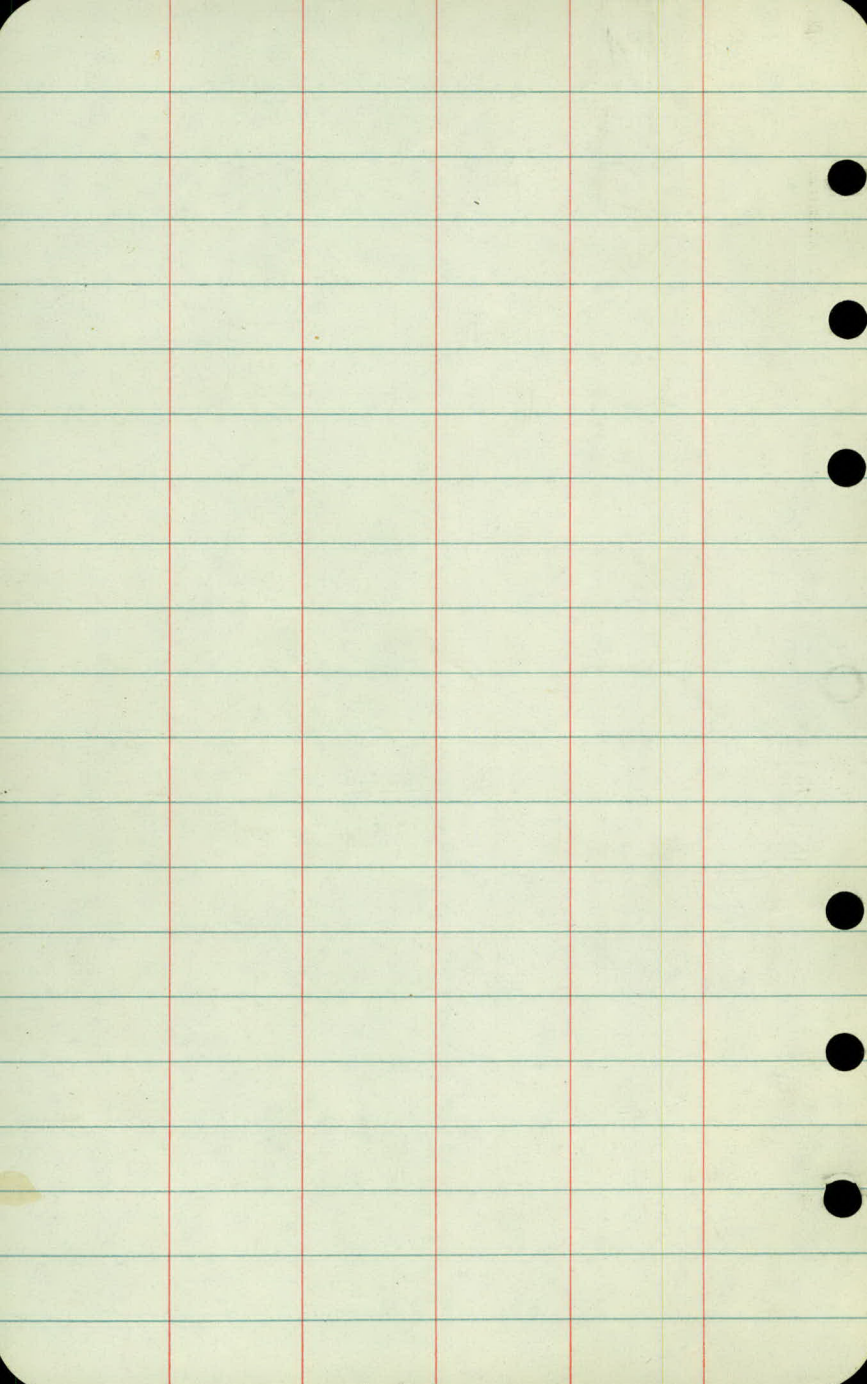
|             |  |     |                           |
|-------------|--|-----|---------------------------|
| S.W. Cor Ho |  | 8.6 | <del>939.1</del><br>929.1 |
|-------------|--|-----|---------------------------|



S.W. Cor. Ho

82'







17 APRIL 1963

Silver Lake Rd.

24" VIT. X-DRAIN



Pond

Elev.

92.34

Silver Lake Rd.

70+38

68.0

86.20

