

OFFICE OF COUNTY ENGINEER  
RAMSEY COUNTY, MINN.

PLAN

Survey

ROSELAWN AVE

From FAIRVIEW To SPILLING

Road Acc't. No. 114

Date Filed 4-7-81

File \_\_\_\_\_

# PLAN SURVEY

ROSE LAWN

FROM

FAIRVIEW AVE -- SUELLING AVE

ALIGNMENT

PAGE 2

TOPOGRAPHY

PAGES 3-13

BENCH LEVELS 14-15

CROSS SECTIONS 16-35

Structures 36 —

26+28.13

GRANITE MONUMENT

0400

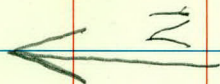
CAST IRON

W.S  
R.J  
B.W  
E.Y

SUPPLY 11.10  
CLEAR 271° 2.

58.77

115.10



2,628.13

DISC. SIDED F  
R.P

RLS  
905.1

54.12

85.14

50.42



+50

LT

 $\begin{array}{c} \bullet \\ \text{RD} \\ 11 \end{array} \begin{array}{c} \bullet \\ \text{RD} \\ 15 \end{array}$ 

RT

 $\begin{array}{r} \bullet \\ +50 \frac{GSO}{13} \end{array}$ 
 $\begin{array}{r} \bullet \\ +46 \frac{MH}{15} \end{array}$ 

SECOR HOUSE

+40.74

 $\begin{array}{r} \bullet \\ +108 \frac{WSO}{38} \end{array}$ 
 $\begin{array}{c} \bullet \\ \text{RD} \\ 15 \end{array} \begin{array}{c} \bullet \\ \text{RD} \\ 14 \end{array}$ 

1+00

SN COR HOUSE

+74 74

16' BIT ENT

+84

CULTIVATED FIELD

31 → South

+50

 $\begin{array}{r} \bullet \\ +42 \frac{GSO}{17} \end{array}$ 
 $\begin{array}{r} \bullet \\ +49 \frac{ER}{15} \end{array}$ 
 $\begin{array}{r} \bullet \\ +54 \frac{GSO}{14} \end{array}$ 
 $\begin{array}{r} \bullet \\ +55 \frac{MH}{12} \end{array}$ 
 $\begin{array}{r} \bullet \\ +58 \frac{GSO}{13} \end{array}$ 
 $\begin{array}{r} \bullet \\ +46 \frac{HVP}{28} \end{array}$ 
 $\begin{array}{r} \bullet \\ +45 \frac{MH}{14} \end{array}$ 
 $\begin{array}{r} \bullet \\ +37 \frac{PP}{27} \end{array}$ 
 $\begin{array}{r} \bullet \\ +47 \frac{ER}{14} \end{array}$ 
 $\begin{array}{r} \bullet \\ +43 \frac{4' FEN}{31 \rightarrow 5} \end{array}$ 
 $\begin{array}{r} \bullet \\ +35 \frac{POR}{23} \end{array}$ 
 $\begin{array}{r} \bullet \\ +23 \frac{POR}{43} \end{array}$ 
 $\begin{array}{r} \bullet \\ +15 \frac{BR}{73} \end{array}$ 
 $\begin{array}{r} \bullet \\ +16 \frac{BR}{40} \end{array}$ 
 $\begin{array}{r} \bullet \\ +20 \frac{CB}{45} \end{array}$ 
 $\begin{array}{r} \bullet \\ +27 \frac{POR}{23} \end{array}$ 

0+00

 $\begin{array}{r} \bullet \\ -10 \frac{ER}{62} \end{array}$ 
 $\begin{array}{r} \bullet \\ -10 \frac{ER}{52} \end{array}$ 
 $\begin{array}{r} \bullet \\ -16 \frac{POR}{37} \end{array}$ 
 $\begin{array}{r} \bullet \\ -21 \frac{CB}{45} \end{array}$ 
 $\begin{array}{r} \bullet \\ -39 \frac{BR}{14} \end{array}$ 
 $\begin{array}{r} \bullet \\ -26 \frac{POR}{21} \end{array}$ 
 $\begin{array}{r} \bullet \\ -19 \frac{MH}{21} \end{array}$ 
 $\begin{array}{r} \bullet \\ -18 \frac{POR}{32} \end{array}$ 
 $\begin{array}{r} \bullet \\ -26 \frac{18' CMP}{46} \end{array}$ 
 $\begin{array}{r} \bullet \\ -73 \end{array}$ 
 $\begin{array}{r} \bullet \\ -24 \frac{MH}{2} \end{array}$ 
 $\begin{array}{r} \bullet \\ -20 \frac{MH}{24} \end{array}$ 
 $\begin{array}{r} \bullet \\ -40 \frac{50}{11} \end{array}$ 
 $\begin{array}{r} \bullet \\ -42 \frac{10' PINE}{51} \end{array}$ 
 $\begin{array}{r} \bullet \\ -42 \frac{10' PINE}{58} \end{array}$ 
 $\begin{array}{r} \bullet \\ -41 \frac{BR}{19} \end{array}$ 
 $\begin{array}{r} \bullet \\ -29 \frac{POR}{22} \end{array}$ 
 $\begin{array}{r} \bullet \\ -37 \frac{HVP}{37} \end{array}$ 
 $\begin{array}{r} \bullet \\ -44 \frac{CB}{21} \end{array}$ 
 $\begin{array}{r} \bullet \\ -45 \frac{10' PINE}{42} \end{array}$ 
 $\begin{array}{r} \bullet \\ -43 \frac{CON}{50} \end{array}$ 
 $\begin{array}{r} \bullet \\ -48 \frac{CB}{22} \end{array}$ 

0-50

 $\begin{array}{r} \bullet \\ -52 \frac{BUSH}{29} \end{array}$ 

SECOR HOUSE

-65 63 73

10' CONDRIVE

-61 27-73

 $\begin{array}{r} \bullet \\ -70 \frac{BUSH}{30} \end{array}$ 

5' PINE

-56 41

 $\begin{array}{r} \bullet \\ -85 \frac{CON}{50} \end{array}$ 

NE COR GAR

-85 48

2' MAPLE

-77 35

0-100

-95

17' MAPLE

35 RD

15 15

-85

2-5-7

BIT.

CULTIVATED  
FIELD

WSD

GSC

 $MH$  $\text{Mg}$ 

GSO

GSD

6 M

1

$\frac{w}{x} - \frac{w}{x} - \frac{w}{x} - \frac{w}{x} - \frac{w}{x} - \frac{w}{x}$

 $A < B$ 

MA.

M42



✱ ✱ ✱

13

↓

C

2-5-f

7-5-7

4+00

LT

RD RD  
14 14

RT

CULTIVATED FIELD  
34

+76  $\frac{9'' \text{ ELM}}{36}$  +76  $\frac{5'' \text{ ELM}}{41}$   
 +73  $\frac{15'' \text{ ELM}}{29}$  +65  $\frac{PP}{28}$   
 +56  $\frac{8'' \text{ ASH}}{36}$

+71  $\frac{10' \text{ DIRT}}{25}$   
 +64 RANGGIE

+50

10' BIT ENT

+40

+34  $\frac{E \text{ HEDGE}}{28}$ +26  $\frac{SE \text{ COR HOUSE}}{59}$ +17  $\frac{3'' \text{ MAPLE}}{42}$ 

3+00

+07  $\frac{SW \text{ COR HOUSE}}{59}$ RD RD  
13 15CULTIVATED FIELD  
34+00  $\frac{RUSH}{28}$ +87  $\frac{4'' \text{ MAPLE}}{42}$ +62  $\frac{B \text{ HEDGE}}{27}$ 

PROP COR

+64 43

B BUSH &amp; TREES

+50

+58 38 → N

+46  $\frac{SE \text{ COR HOUSE}}{86}$ +35  $\frac{16' \text{ BIT}}{17}$ +21  $\frac{HOUSE}{74-86}$ 

2+00

+08 28

RD RD  
12 15CULTIVATED FIELD  
31+96 74  $\frac{SW \text{ COR HOUSE}}{74}$ +87  $\frac{WSO}{43}$ +54  $\frac{GAS BREAKER}{17}$  +68  $\frac{GSD}{13}$ 

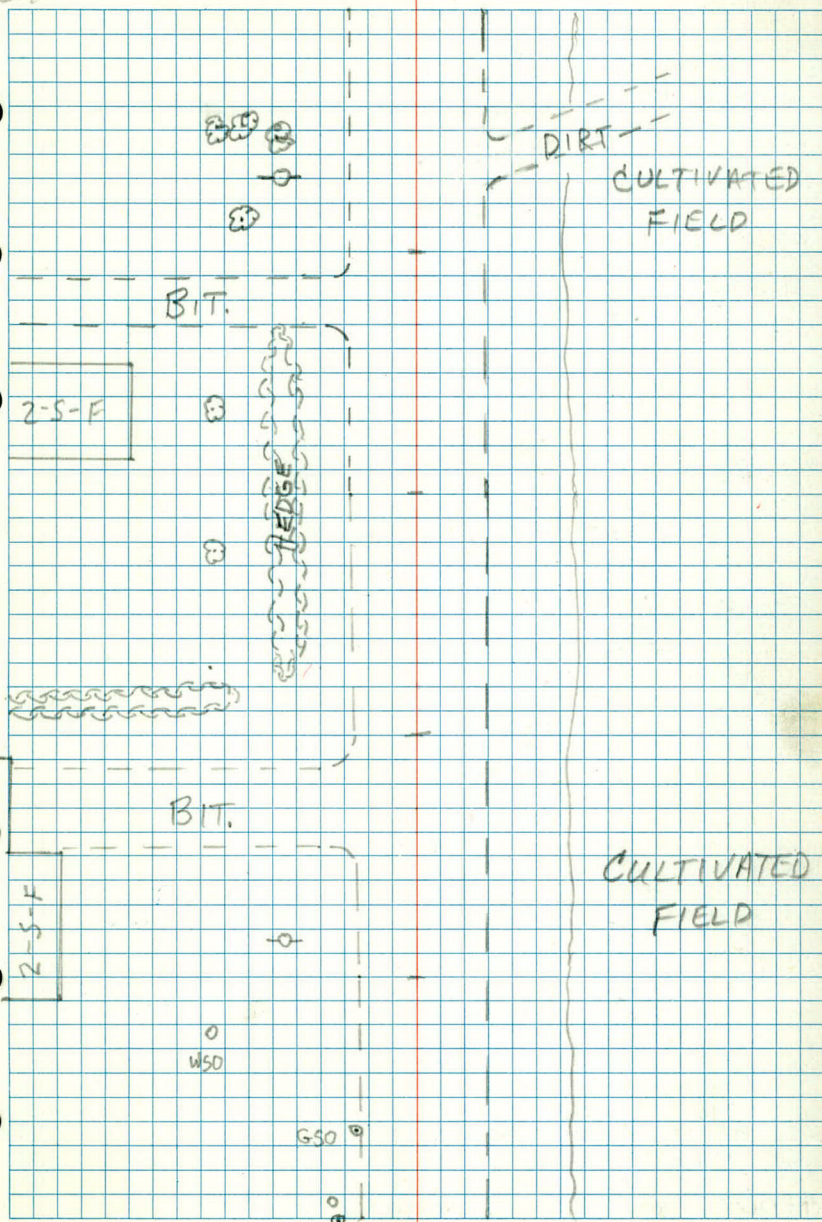
1+50

+50  $\frac{GSD}{13}$ RD RD  
11 15



W.S.  
R.J.  
B.W.  
C.Y.

JUNE 2, 1976  
CLEAR 75°  
4





+50

LT

RD RD  
14 15

RT

4" PINE +32 35 BUSH +39 31 SECOR-HAN +35 47 2" ELM

12" ELM +39 52 3" FRUIT TREE +18 49 2" PINE +18 31

6" CEDER +05 38 1" PINE +13 26 SW COR HOUSE +05 75

5D +03 25 15" PINE +03 17 1" PINE +05 31

6+00 +99 14" PINE 77

RD RD  
14 14CULTIVATED FIELD  
35

1" PINE +81 30 HYD +77 26 10' GRAVEL +93

B BUSH +89 42-86 MH +72 33

+50

RD  
+36 28

5+00

RD RD  
+85 COR 2" TREES 13 15 35-80

COR 2" TREES  
+85 35 86

3" POP +52 70 COR 2" TREES +69 39-85

+50 1" POP +52 39 3" POP +54 69

15 TW 12" ELM +18 77 2" OLIVE +18 77

25 ELM +07 57 12" ELM +08 66

4+00

RD RD  
14 14CULTIVATED FIELD  
35

W.S.  
B.J.  
B.W.  
S.Y

LT



RT

4 JUNE 76  
CLEAR 73°  
S

2-5-4

CULTIVATED  
FIELD

GRAVEL

12' RCP

15' RCP

MH

2" TREES

CULTIVATED  
FIELD

9+00

LT £10' CONGRIT

RT

CULTIVATED FIELD

+73  $\frac{12'' \text{ELM}}{24}$  +60  $\frac{\text{SW Cor House}}{86}$  +84  $\frac{5'' \text{PINE}}{37}$  RD RD  
 +69  $\frac{\text{CEDER}}{32}$  +72  $\frac{\text{CEDER}}{34}$  +74  $\frac{\text{PP}}{28}$  14 14

37

+57  $\frac{9'' \text{PINE}}{37}$  +60  $\frac{\text{CEDER}}{32}$  +65  $\frac{4'' \text{PINE}}{36}$   
 +91  $\frac{\text{SECORITON}}{86}$  +54  $\frac{\text{B FENCE}}{51 \rightarrow N}$  +58  $\frac{9'' \text{PINE}}{51}$   
 +50 +49  $\frac{\text{SW Cor GAR}}{85}$  +53  $\frac{3 \text{ CEDERS}}{37-34-42}$   
 +32  $\frac{\text{SECORITON}}{76}$  +44  $\frac{\text{£10' DIRT}}{}$

+10  $\frac{\text{SW Cor House}}{76}$  +22  $\frac{36'' \text{MAPLE}}{38}$   
 +08  $\frac{16'' \text{ELM}}{45}$  +11  $\frac{12'' \text{PINE}}{38}$

8+00 +90  $\frac{20'' \text{ELM ELIZAC}}{61-28}$  RD RD  
 +85  $\frac{\text{PP CORILAC}}{28}$  +90  $\frac{16'' \text{ELM}}{28-45}$  +90  $\frac{14}{45}$  14 14  
 +67  $\frac{\text{BUSH}}{35}$  +78  $\frac{\text{B HEDGE}}{34}$  +85  $\frac{\text{E HEDGE}}{34}$   
 +64  $\frac{\text{SECOR House}}{89}$   
 +62  $\frac{2'' \text{PINE}}{38}$  +64  $\frac{\text{COR CON}}{65}$

+50 +56  $\frac{\text{COR CON}}{52}$   
 +36  $\frac{6'' \text{BIRCH}}{35}$  +50  $\frac{\text{£12' CON DRV}}{28}$  +38  $\frac{1'' \text{PINE}}{34}$   
 +36  $\frac{8'' \text{BIRCH}}{36}$  +36  $\frac{8'' \text{BIRCH}}{39}$   
 +34  $\frac{\text{E HEDGE}}{33}$  +34  $\frac{6'' \text{BIRCH}}{38}$   
 +34  $\frac{12'' \text{OLIVE}}{71}$

7+00

HEDGE

RD RD

CULTIVATED FIELD

+96  $\frac{\text{SW Cor House}}{89}$  14 14

35

+87  $\frac{5'' \text{OLIVE}}{37}$

+59  $\frac{\text{PP}}{28}$  +59  $\frac{\text{B HEDGE}}{33}$

6+50 +52  $\frac{2'' \text{PINE}}{37}$  +57  $\frac{\text{B FENCE}}{33 \rightarrow N}$  RD RD  
 14 15



W.S.  
R.J.  
B.W.  
E.Y.

LT

E

JUNE 4, 1976  
RT CLEAR 750 6

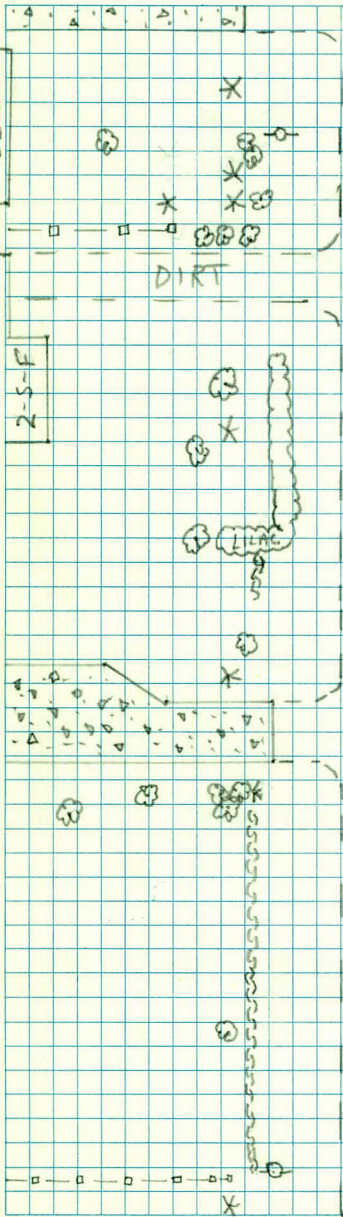
2-55

2-5-F

CULTIVATED  
FIELD

DIRT

CULTIVATED  
FIELD





LT

C

RT

+50

RD RD  
14 12CULTIVATED FIELD  
38+41  $\frac{3'' \text{ PIPE}}{35}$ +28  $\frac{\text{SW CORNER}}{94}$  +25  $\frac{20' \text{ ELM}}{70}$ +34  $\frac{1'' \text{ PIPE}}{30}$  +27  $\frac{2'' \text{ PIPE}}{35}$  +22  $\frac{1'' \text{ PIPE}}{30}$ +03  $\frac{1'' \text{ PIPE}}{35}$  +15  $\frac{3'' \text{ PIPE}}{35}$  +16  $\frac{\text{WSD}}{31}$ 

11

RD RD  
15 12CULTIVATED FIELD  
38+92  $\frac{20' \text{ ELM}}{53}$ +74  $\frac{10'' \text{ PIPE}}{36}$  +89  $\frac{9'' \text{ PIPE}}{35}$  +86  $\frac{8' \text{ ELM}}{65}$ +61  $\frac{\text{PP}}{28}$  +73  $\frac{8-5'' \text{ MAPLE}}{65}$ +56  $\frac{16'' \text{ ELM}}{66}$  +56  $\frac{10' \text{ ELM}}{53}$ 

+50

+47  $\frac{\text{E10 CONC DR}}{29}$ +41  $\frac{3'' \text{ PIPE}}{53}$  +42  $\frac{\text{SE CORNER}}{92}$ +31  $\frac{10'' \text{ PIPE}}{40}$  +38  $\frac{1'' \text{ PIPE}}{29}$ +22  $\frac{3'' \text{ PIPE}}{29}$  +17  $\frac{5'' \text{ PIPE}}{30}$ 10 +05  $\frac{16'' \text{ PIPE}}{41}$ RD RD  
14 13CULTIVATED FIELD  
38+86  $\frac{6-6'' \text{ PIPE}}{35}$  +87  $\frac{\text{BUSH}}{24}$  +95  $\frac{\text{TW BIRCH}}{25}$ +74  $\frac{\text{BUSH}}{26}$  +85  $\frac{\text{H40}}{26}$  +86  $\frac{\text{PP}}{28}$ +60  $\frac{12'' \text{ TW BIRCH}}{52}$ +50 +54  $\frac{9'' \text{ PIPE}}{31}$ +40  $\frac{16'' \text{ PIPE}}{36}$ +23  $\frac{\text{SW CORNER}}{91}$  +28  $\frac{\text{E8' CONC DR}}{25}$ 9+00 +08  $\frac{\text{E10 BRICK DR}}{35}$ RD RD CULTIVATED FIELD  
14 14 37

W.S.  
R.J.  
B.W.  
E.Y.

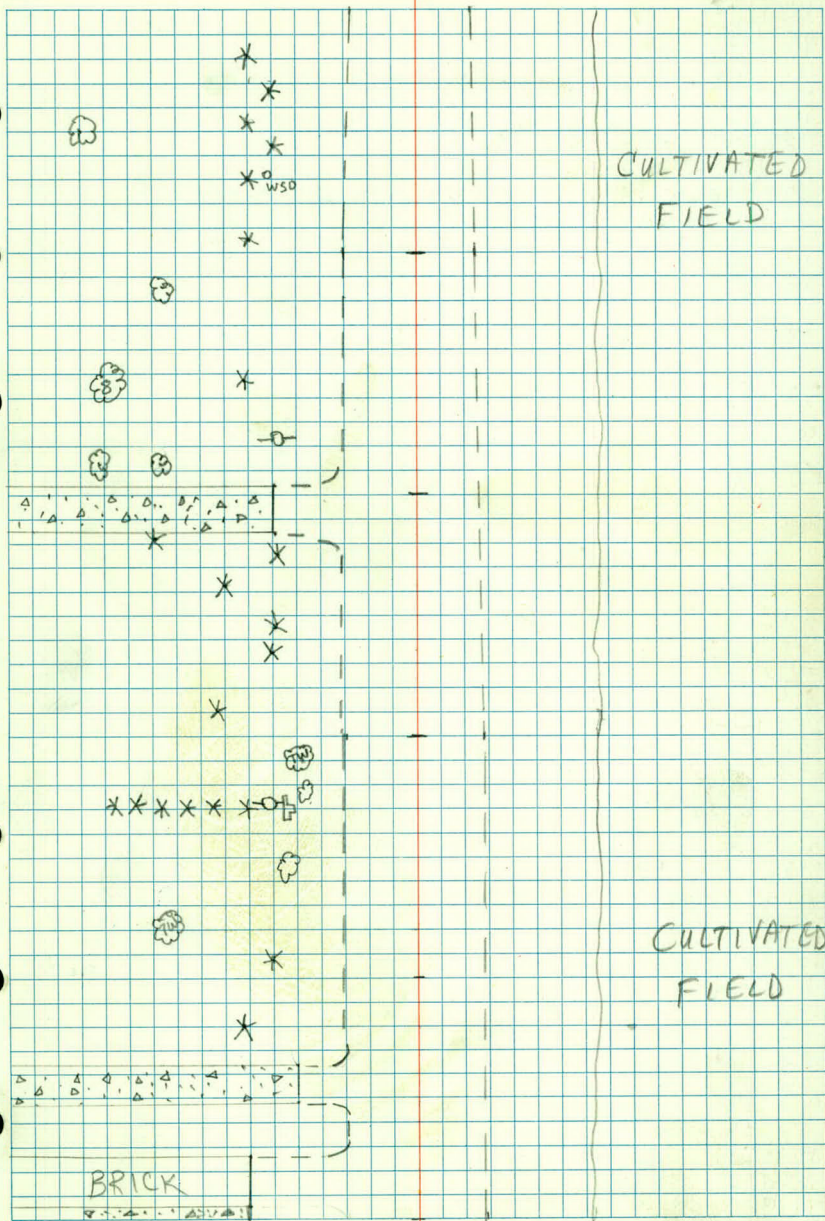
LT



RT

JUNE 7, 1970  
CLEAR 75°

7



| 14                                        | LT                                               | C                                      | RT                          | CULTIVATED FIELD |
|-------------------------------------------|--------------------------------------------------|----------------------------------------|-----------------------------|------------------|
| +88 $\frac{6 \text{ PINE}}{56}$           | +96 $\frac{20-6 \text{ PINE}}{39}$               | RD RD<br>13 13                         | 33                          |                  |
| +66 $\frac{SW COR 40}{63}$                | +76 $\frac{20 \text{ COR COR}}{33}$              | +87 $\frac{66 \text{ PRIVACY FE}}{33}$ |                             |                  |
| +64 $\frac{10 \text{ PINE}}{56}$          | +64 $\frac{E PRIVACY FE}{33}$                    |                                        | +53 $\frac{PP}{27}$         |                  |
| +66 $\frac{CONC}{28-33}$                  | -52-63                                           |                                        |                             |                  |
| +50                                       | +61 $\frac{COR SW E CHAIN LINK FE COR CDDC}{35}$ | +61 35-52                              |                             |                  |
| +41 $\frac{20 \text{ OAK}}{46}$           | +44 $\frac{20 \text{ OAK}}{48}$                  |                                        |                             |                  |
| +38 $\frac{HEDGE}{34-N}$                  | +39 $\frac{86 FE}{34}$                           | PRIVACY FE METAL                       |                             |                  |
| +36 $\frac{15 \text{ OAK}}{52}$           |                                                  |                                        |                             |                  |
| +10 $\frac{SURFACE DRAIN}{56}$            | +16 $\frac{SW COR CHAIN LINK FE}{35}$            |                                        |                             |                  |
| 13                                        |                                                  | RD RD<br>14 13                         | 33                          | CULTIVATED FIELD |
| +91 $\frac{MH}{27}$                       |                                                  |                                        |                             |                  |
|                                           | +79 $\frac{ST.P}{50}$                            |                                        |                             |                  |
| +68 $\frac{8 \text{ PINE}}{38}$           |                                                  |                                        |                             |                  |
| +61 $\frac{8 \text{ PINE}}{35}$           | +61 $\frac{8 \text{ PINE}}{43}$                  |                                        |                             |                  |
| +50                                       | +57 $\frac{86 \text{ ROCK WALL}}{29-56}$         |                                        |                             |                  |
| +40 $\frac{10 \text{ PINE}}{43}$          | +49 $\frac{210 \text{ GR PAIL DECK}}{35}$        | +39 $\frac{12 \text{ PINE}}{35}$       |                             |                  |
| +30 $\frac{SURFACE DRAIN}{21}$            | +33 $\frac{E HEDGE}{32}$                         |                                        |                             |                  |
| +17 $\frac{TRIPLE-10 WILLOW}{31}$         | +21 $\frac{86 HEDGE}{32}$                        |                                        |                             |                  |
| +02 $\frac{3-8 \text{ APPLE}}{32}$        | +11 $\frac{E HEDGE}{33}$                         |                                        |                             |                  |
| 12                                        |                                                  | RD RD<br>14 12                         | 38                          | CULTIVATED FIELD |
|                                           | HEDGE 33                                         |                                        |                             |                  |
|                                           | +87 $\frac{6 \text{ APPLE}}{41}$                 |                                        |                             |                  |
| +82 $\frac{86 \text{ LILAC HEDGE}}{58-N}$ | +84 $\frac{PP}{28}$                              | +87 $\frac{86 HEDGE}{33}$              | +86 $\frac{PP}{27}$         |                  |
| +61 $\frac{36 \text{ MAPLE}}{21}$         | +75 $\frac{10 \text{ CATALPA}}{36}$              |                                        |                             |                  |
| +62 $\frac{8 \text{ PINE}}{34}$           | +62 $\frac{8 \text{ PINE}}{42}$                  |                                        | +64 $\frac{GUIDE WIRE}{27}$ |                  |
| 11+50                                     | +56 $\frac{8 \text{ GIRA}}{36}$                  | RD RD<br>14 12                         | 38                          | CULTIVATED FIELD |



W.S.  
R.J.  
B.W.  
E.Y.

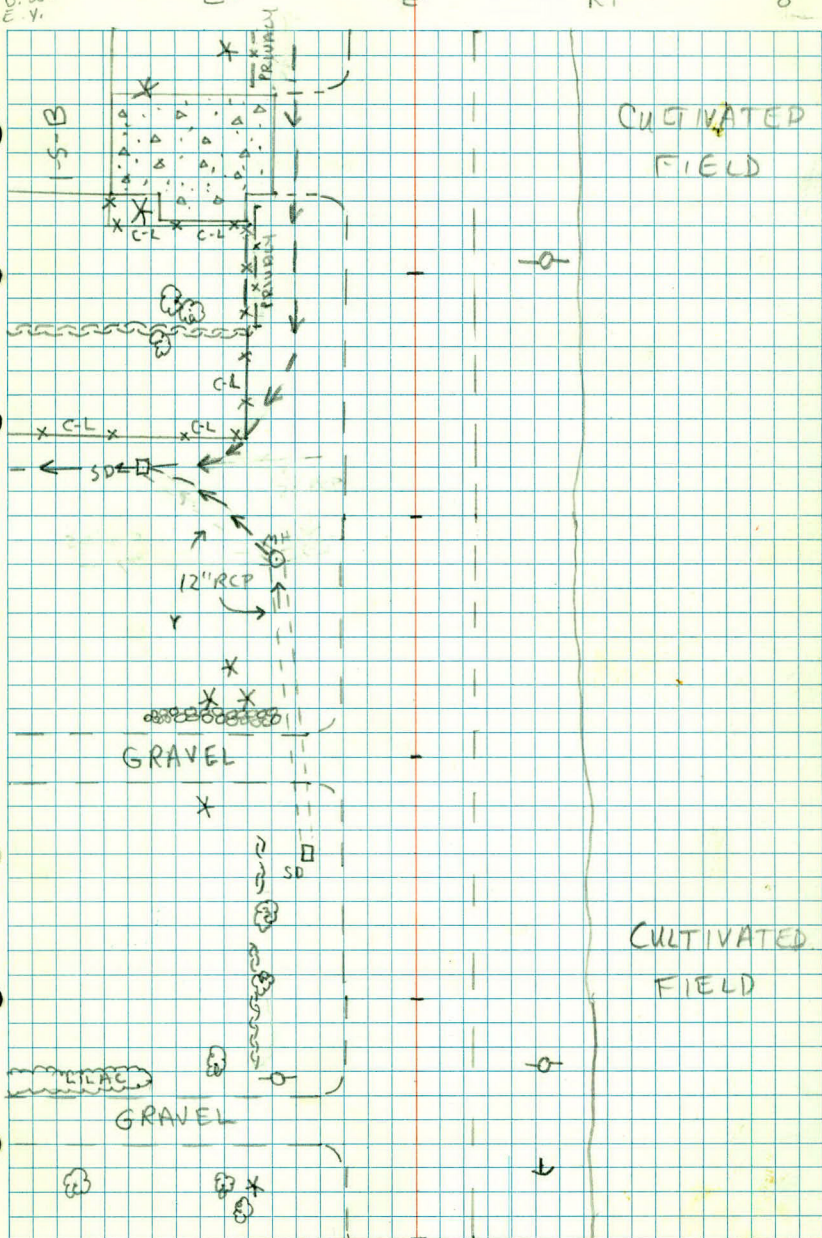
LT

⊕

RT

4 JUNE 1976  
CLEAR 800

8





+50

LT

RD RD  
13 14

RT

+39  $\frac{SE \text{ Cor House}}{71}$ CULT. FIELD  
44+27  $\frac{5-12' \text{ CORR}}{31}$ +35  $\frac{GATE POST}{32}$ +27  $\frac{3" \text{ MAPLE}}{16}$  +24  $\frac{12" \text{ ASH}}{60}$ +18  $\frac{BUSH}{30}$  +20  $\frac{GATE POST}{32}$ +11  $\frac{Cor House}{71}$  +06  $\frac{14" \text{ OAK}}{61}$  RD RD+98  $\frac{5" \text{ PINE}}{46}$ 

12 15

+87  $\frac{6" \text{ MAPLE}}{65}$ +78  $\frac{18" \text{ OAK}}{40}$ +67  $\frac{SW \text{ Cor House}}{74}$ +50 +59  $\frac{6" \text{ PINE}}{37}$  +61  $\frac{FLAG POLE}{49}$ +50  $\frac{2" \text{ PINE}}{58}$  +48  $\frac{ER}{13}$ +38  $\frac{22" \text{ OAK}}{48}$  +37  $\frac{24" \text{ OAK}}{43}$  +31  $\frac{PDR}{25}$ +15  $\frac{MH}{25}$  +08  $\frac{MH}{56}$  +21  $\frac{BRI}{48}$  +21  $\frac{CB}{171}$ 15 W.S.D. RD  
33 14CULTIVATED FIELD  
39+93  $\frac{10" \text{ LUM}}{67}$  +94  $\frac{CB}{171}$ +92  $\frac{BYD}{52}$  +94  $\frac{E PAD}{35}$  +88  $\frac{PDR}{21}$ +70  $\frac{6" \text{ PIPE}}{43}$  +75  $\frac{E PRIVACY EE}{33}$  +75  $\frac{BGRAD}{14}$ +59  $\frac{12" \text{ OAK}}{62}$  +64  $\frac{10" \text{ OAK}}{69}$ +50 +48  $\frac{18" \text{ OAK}}{54}$ +31  $\frac{E PINE}{56}$  +34  $\frac{5" \text{ PIPE}}{56}$  +32  $\frac{SECORHO}{62}$ +24  $\frac{86 \text{ PINE}}{56}$  +18  $\frac{3-2" \text{ PIPE}}{58}$ +24  $\frac{PP}{27}$ +15  $\frac{E PIPE BUSHES}{55}$  +11  $\frac{15" \text{ ELM}}{37}$ +03  $\frac{18" \text{ OAK}}{53}$  +07  $\frac{86 \text{ PINE BUSHES}}{55}$ 14 RD RD  
13 13CULTIVATED FIELD  
33

W.S.  
R.J.  
B.W.  
EX.

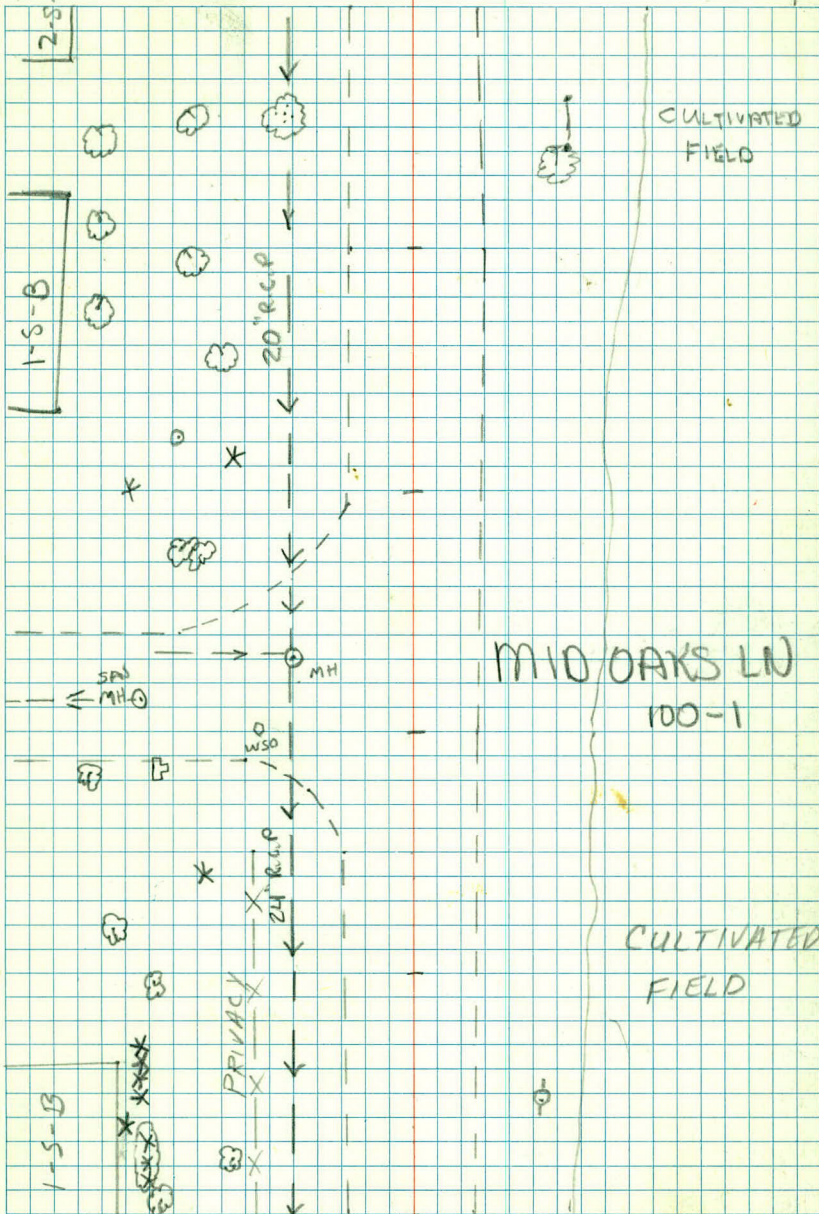
LT

E

RT

4 JUNE 1976  
CLEAR 90°

9



| LT                         |                          | RT                                  |                        |
|----------------------------|--------------------------|-------------------------------------|------------------------|
| 19+00.                     |                          | P.D.R RD<br>14                      | CULTIVATED FIELD<br>46 |
| +85 <sup>B6 RAD</sup> 37   | +85 <sup>CA</sup> 42     | +98 <sup>18" EIR</sup> 45           |                        |
| +76 <sup>MH</sup> 41       | +89 <sup>P.D.R</sup> 24  | +68 <sup>MH</sup> 17                |                        |
| +59 <sup>W. 30</sup> 33    | +52 <sup>P.O.R</sup> 24  | +65 <sup>MH</sup> 24                |                        |
| +54 <sup>CB</sup> 41       | +51 <sup>MH</sup> 52     | +55 <sup>ER</sup> 35                |                        |
| +50                        |                          |                                     |                        |
| +46 <sup>DRAIN</sup> 25    | +47 <sup>P.O.R</sup> 16  |                                     | +21 <sup>PP</sup> 28   |
| +45 <sup>CORFE CL</sup> 32 | +40 <sup>B6 RAD</sup> 13 | +45 <sup>B6 WOODEN FE</sup> 32 → N. |                        |
| +33 <sup>S.P</sup> 32      |                          | +45 <sup>EIRMS</sup> 35             |                        |

|                                     |                                                   |  |                        |
|-------------------------------------|---------------------------------------------------|--|------------------------|
| 18                                  |                                                   |  |                        |
| +96 <sup>E WOODEN FE</sup> 36       | +96 <sup>TREES</sup> 35-43 RD RD<br>13 14         |  | CULTIVATED FIELD<br>46 |
| +96 <sup>E HEDGE</sup> 34           | +78 <sup>S.P</sup> 33                             |  |                        |
| +69 <sup>B6 HEDGE</sup> 33          | +65 <sup>B6 VARIOUS TREES (PINES FERRIS)</sup> 43 |  |                        |
| +65 <sup>CORFE → N → E C.L</sup> 33 |                                                   |  |                        |
| +50                                 |                                                   |  |                        |

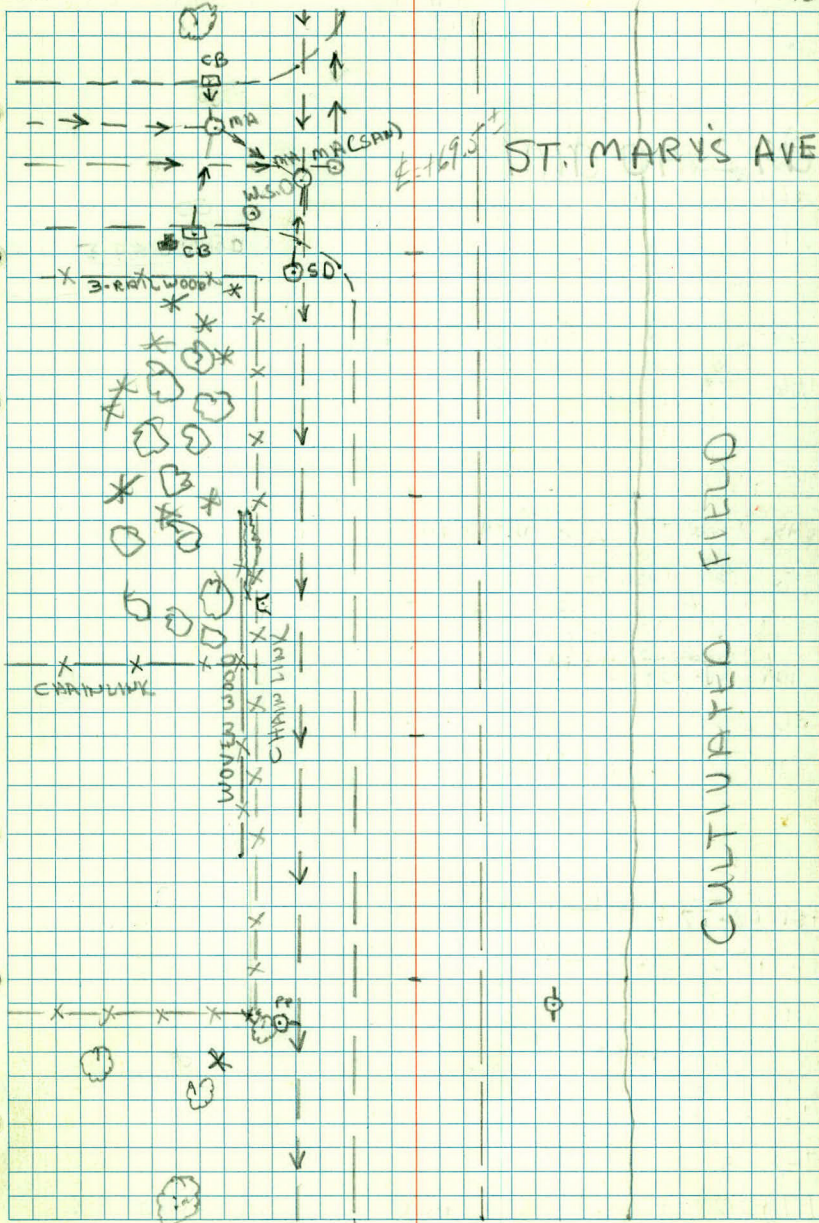
|                                        |                                        |                            |                        |
|----------------------------------------|----------------------------------------|----------------------------|------------------------|
| +27 <sup>B6 WOODEN PRIVACY FE</sup> 36 |                                        |                            |                        |
| 17.                                    | +92 <sup>FE (W/ WOOD)</sup> 34 → N. FE | RD RD<br>13 14             | CULTIVATED FIELD<br>44 |
| +91 <sup>PP COR</sup> 29               | +92 <sup>C.L FE</sup> 34               | +83 <sup>6" APPLE</sup> 67 | +99 <sup>PP</sup> 29   |
| +90 <sup>BUSH</sup> 32                 | +84 <sup>3" PINE</sup> 42              | +76 <sup>20 OAK</sup> 46   |                        |

|       |                                             |                        |
|-------|---------------------------------------------|------------------------|
| 16+50 | +52 <sup>trip Birch</sup> 50 RD RD<br>13 14 | CULTIVATED FIELD<br>44 |
|-------|---------------------------------------------|------------------------|



10

RT





+50

LT

RD  
13RD  
15

RT

CULTIVATED FIELD

44

+446  $\frac{SE \text{ COR HP}}{52-59}$ +31  $\frac{SW \text{ COR HP}}{52-72}$ +20  $\frac{SW \text{ COR HP}}{79}$  +16  $\frac{24" \text{ OAK}}{64}$ 

21

RD  
13RD  
15

CULTIVATED FIELD

43

+82  $\frac{PP}{28}$ +66  $\frac{5-12" \text{ OAKS: 12M}}{33}$ +56  $\frac{PP}{60}$ 

+50

+52  $\frac{GUIDE POLE}{25}$ +44  $\frac{BL \text{ WOODS}}{33 \rightarrow N}$ +45  $\frac{COR \text{ WOOD FE}}{34 \rightarrow N}$  +48  $\frac{CB}{24}$ +35  $\frac{BL \text{ WOODS}}{34}$  +35  $\frac{8" \text{ APPLE}}{50}$ +28  $\frac{5" \text{ APPLE}}{35}$ +04  $\frac{6" \text{ BIRCH}}{35}$  +05  $\frac{7" \text{ BIRCH}}{35}$ 

20

RD

RD

CULTIVATED FIELD

41

+98  $\frac{SE \text{ COR GARAGE}}{77}$  +86  $\frac{21' \text{ BIT ENT}}{13}$ 

13

14

+61  $\frac{HP}{68-77}$  +67  $\frac{12" \text{ MAPLE}}{51}$ 

+50

+55  $\frac{W.S.O}{31}$ +55  $\frac{PP}{28}$ +47  $\frac{5" \text{ SPRUCE}}{65}$ +35  $\frac{10" \text{ MAPLE}}{32}$ +26  $\frac{9" \text{ PINE}}{64}$  +30  $\frac{SW \text{ COR HP}}{68}$ 

19+00

+08  $\frac{ER}{13}$ 

P.O.R

RD

RD

15

14

CULTIVATED FIELD

46

W.S  
B.W  
E.Y

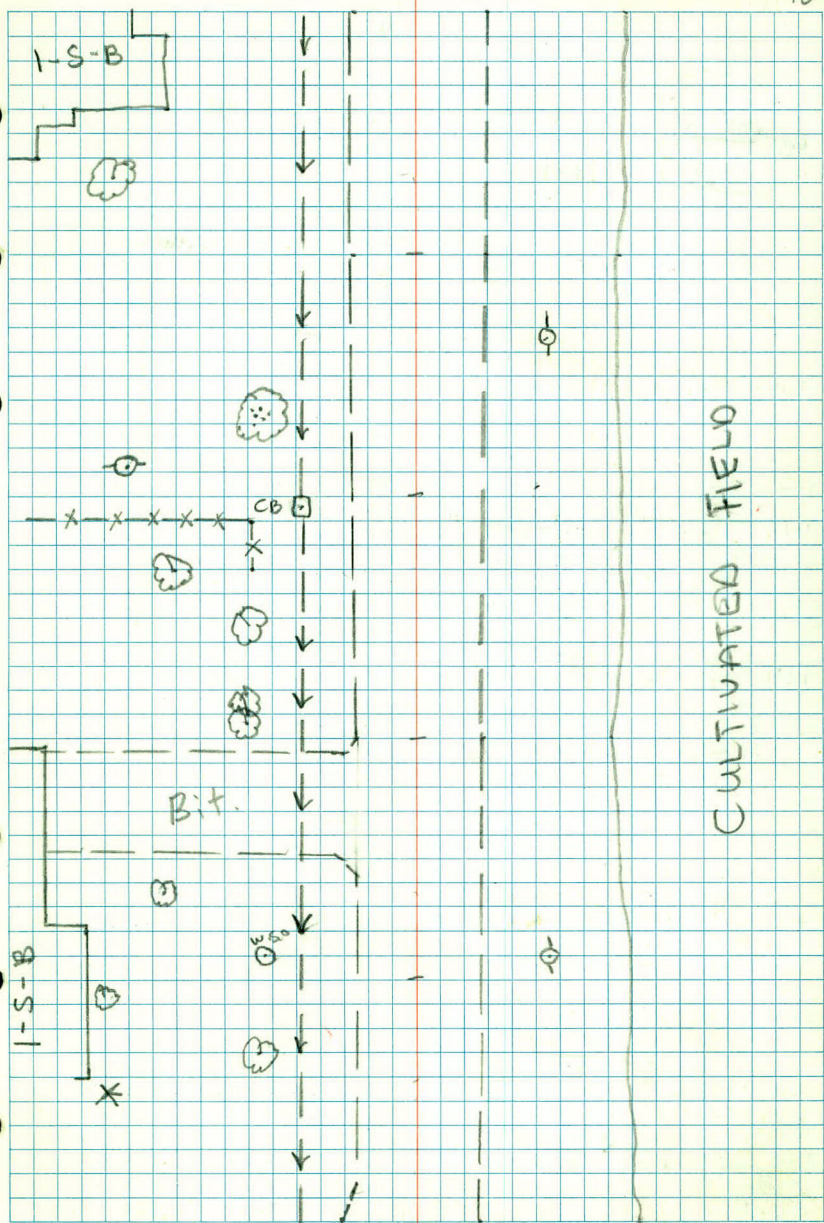
LT

E

RT

6-1-76  
CLEAR 75°

10



CULTIVATED FIELD

LT

C

RT

24

8" MAPLE

RD

RD

1" MAPLE

+96 86 STONE WALL  
32-48+98 PP  
49+99 QUIDEWIRE  
26

16

+97 4-4" OLIVE  
43+91 SE COR FE - CHAMPAINE  
47-N+92 E SWINGS  
32-N+93 BUSH  
36+86 15" R.M.P  
23+58 86 SWINGS  
45+83 NE COR GARAGE  
53+51 86 FE - CHAMPAINE  
49+56 15" CMP  
23+71 24" COR DR  
33+59 NW COR CARA  
53+50 +51 SE COR GAR  
47+51 BUSH  
43+59 COR FE  
48-53+40 4 16" CORL DR  
18+44 P.P  
28+43 POST  
31+46 15" R.M.P  
34+23 15" PINE  
34+31 140  
49-58+39 COR FE - CHICKERING  
47-N+09 COR DR  
49-58+17 15 OAK  
49+27 COR CULTIVATED FIELD  
42+05 3-1 APPLE  
33+10 E HEDGE  
47+12 QUIDEWIRE  
28

23

RD

RD

CULTIVATED FIELD

+92 3-3" FERN  
33+99 1" APPLE  
33

13

17

41

+92 SW COR DR  
49+80 COR HEDGE  
48-NIE+81 1" MAPLE  
42+59 20 OAK  
34+53 POR  
18+63 ER  
13

+50

+50 12" CMP  
25+10 W50  
34+20 M4  
16+36 CB  
43+13 P.P  
28+03 M4  
25+04 ER  
30+04 CB  
42

22

HND

POR

RD

CULTIVATED FIELD

+97 12" OAK  
46+88 QUIDEWIRE  
13+97 POR  
16

45

+88 12" OAK  
39+59 SE COR DR  
60+57 34" ELM  
32

21+50

RD

RD

CULTIVATED FIELD

13

15

44



W.S.  
B.W  
E4

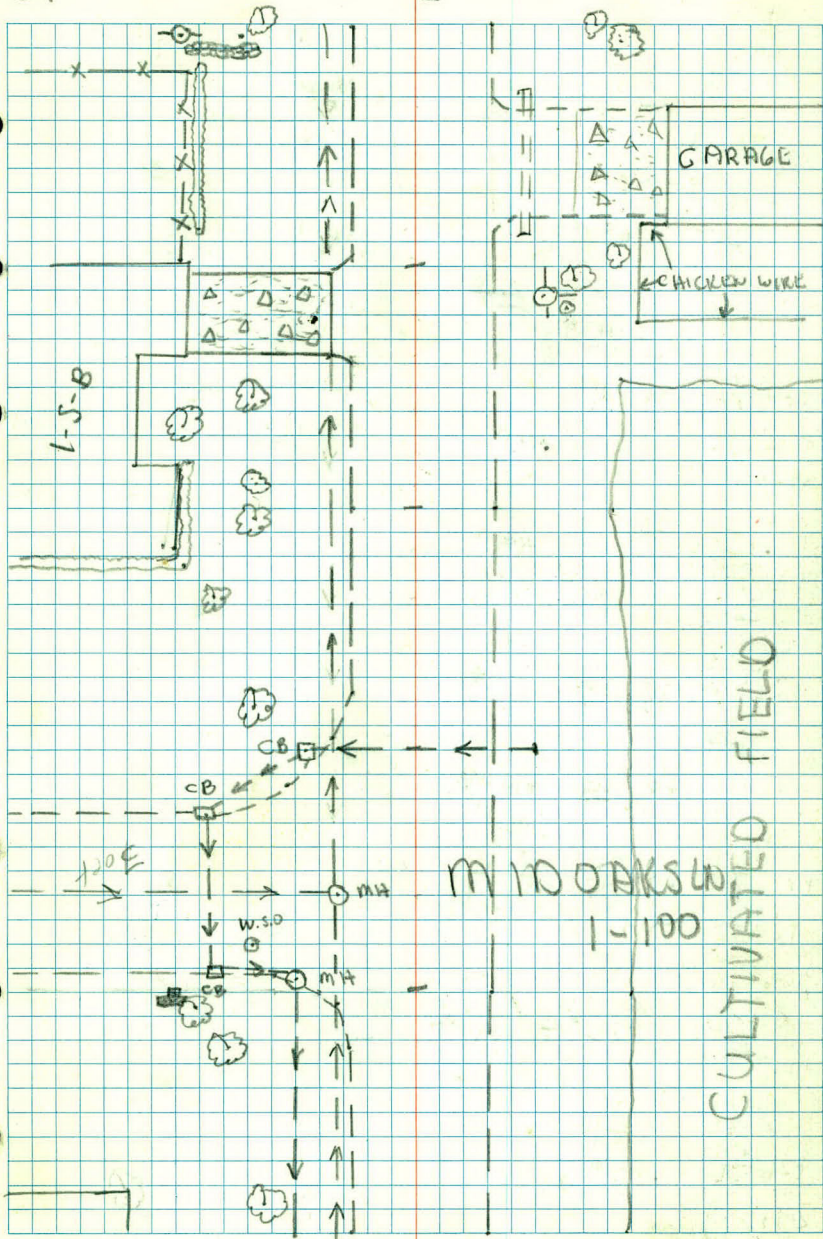
LT

Q

RT

6-7-76  
CLONE 82°

11



LT

C

RT

+50

+45  $\frac{86 \text{ Rad}}{55}$ +49  $\frac{\text{POR}}{39}$ +02  $\frac{\text{MH}}{107}$ +03  $\frac{24'' \text{ Elm}}{61}$ +10  $\frac{\text{E Rad}}{52}$ +06  $\frac{\text{Gas SO}}{45}$ +06  $\frac{\text{POR}}{28}$ +10  $\frac{\text{E Rad}}{42}$ +18  $\frac{\text{MH}}{23}$ 26  $\frac{12'' \text{ CMP}}{20}$ +04  $\frac{\text{POR}}{33}$  $\frac{\text{POR}}{27}$  $\frac{\text{POR}}{22}$ +96  $\frac{\text{MH}}{89}$ +98  $\frac{\text{Post}}{29}$ +94  $\frac{\text{MH}}{18}$ +97  $\frac{\text{End Woods}}{38}$ +91  $\frac{86 \text{ Rad}}{13}$ +94  $\frac{15'' \text{ CMP}}{24}$ +78  $\frac{\text{E Hedge}}{38}$ +91  $\frac{86 \text{ Rad}}{20}$ +74  $\frac{\text{P.P.}}{26}$ +71  $\frac{7W 8'' \text{ Pine}}{52}$ +67  $\frac{\text{Gas S.O.}}{13}$ +78  $\frac{\text{Wood in - with Fence}}{38-}$ +77  $\frac{\text{HYD}}{29}$ +77  $\frac{\text{W.S.O.}}{26}$ +65  $\frac{\text{MH}}{12}$ +60  $\frac{7W 10'' \text{ Pine}}{38}$ +69  $\frac{7W 10'' \text{ Pine}}{42}$ 

+50

 $\frac{\text{Pine Hedge}}{38}$ +46  $\frac{\text{RD}}{14}$ +37  $\frac{36'' \text{ Oak}}{61}$ +46  $\frac{\text{Twink Oak}}{35}$ 35  $\frac{\text{Red P Hedge}}{38}$ +34  $\frac{\text{S.E. Corn House}}{63}$ +33  $\frac{\text{Conc}}{36-63}$ +10  $\frac{\text{End Hedge}}{51}$ +38  $\frac{\text{S.E. MP}}{20}$ +03  $\frac{\text{S.E. Corn House}}{73}$ +10  $\frac{\text{Conc}}{35-63}$ +10  $\frac{\text{End Side Oak}}{44}$ +10  $\frac{15'' \text{ CMP}}{20}$ +18  $\frac{4'' \text{ Ash}}{51}$ +10  $\frac{\text{Hedge}}{35-63}$ +10  $\frac{\text{End Hedge}}{37}$ 25  $\frac{\text{CONC WALK HEDGE}}{44-50}$  $\frac{\text{PINE HEDGE}}{43}$  $\frac{\text{RD}}{16}$ +10  $\frac{\text{HEDGE}}{51}$ +90  $\frac{\text{House}}{64}$ +84  $\frac{10'' \text{ Pine}}{53}$ +78  $\frac{\text{STP}}{29}$ +89  $\frac{\text{HEDGE CONC WALK}}{45}$ +73  $\frac{\text{NE Cor House}}{57}$ +72  $\frac{\text{STP}}{36}$ +89  $\frac{86 \text{ HEDGE}}{59}$ +77  $\frac{86 \text{ HEDGE CONC WALK}}{59}$ +66  $\frac{10'' \text{ Maple}}{29}$ +54  $\frac{\text{S.E. Corn House}}{64}$ +56  $\frac{\text{P.P.}}{28}$ 

+50

6'' PINE

+39  $\frac{\text{NE Cor House}}{57}$ +44  $\frac{8'' \text{ Maple}}{38}$ 

48

+38  $\frac{10'' \text{ Maple}}{38}$ +36  $\frac{6'' \text{ Pine}}{39}$ +10  $\frac{3'' \text{ Pine}}{48}$ +35  $\frac{2'' \text{ Elm}}{46}$ +26  $\frac{24'' \text{ Elm}}{61}$ +108  $\frac{\text{Pine Hedge}}{35}$ +04  $\frac{24'' \text{ Elm}}{48}$ +27  $\frac{24'' \text{ Elm}}{45}$ +47  $\frac{8'' \text{ Oak}}{57}$ +03  $\frac{\text{Twink Fruit}}{41}$ +13  $\frac{2'' \text{ Ash}}{44}$ 

24+00

 $\frac{\text{RD}}{13}$  $\frac{\text{RD}}{16}$

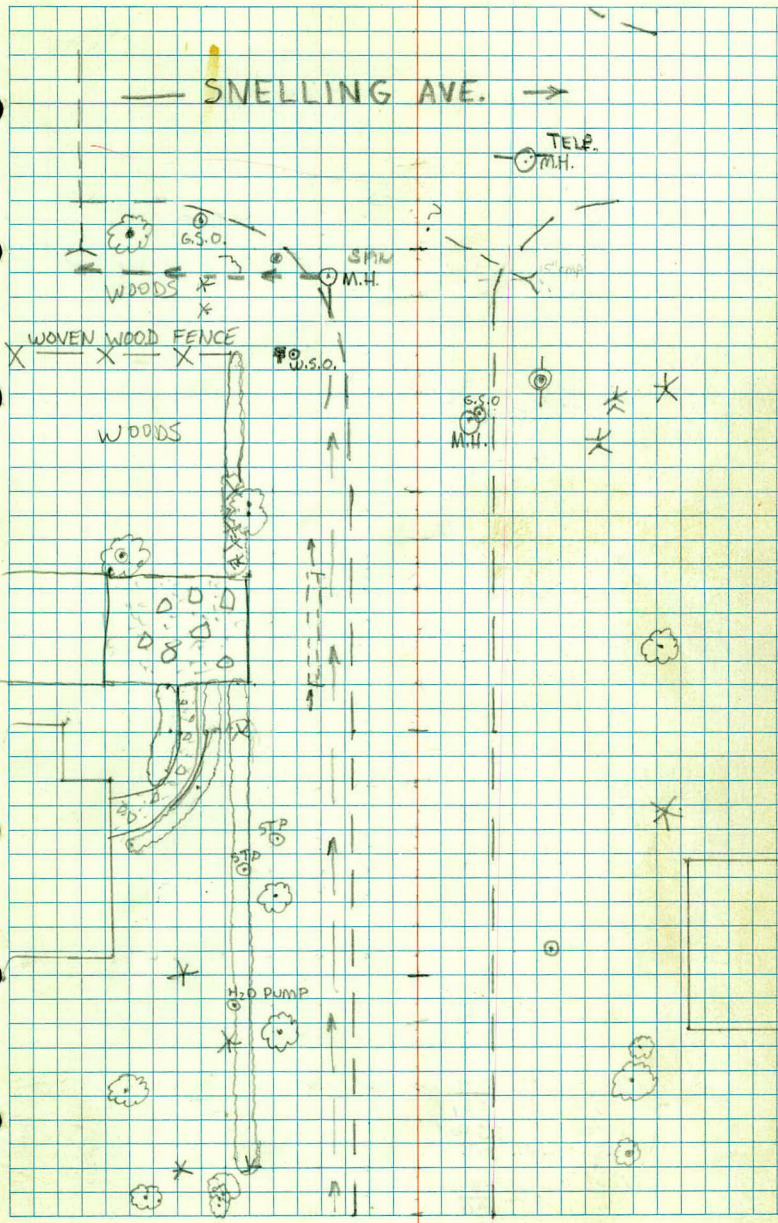
W.S.  
B.W.  
E.Y.

LT

C

RT 7-7-16  
CLEAR

12





LT

E

RT

27400

+94 End Rad  
35+66 Breather Pipe C13  
53 +70 55+86 ROR +73 BG Rad  
43 34+50 +63 ERad +54 BG RAD  
35 46+75 BG Rad  
32+65 ERad  
33+83 E. Rad  
76+65 Breather Pipe  
53

MS  
E.Y

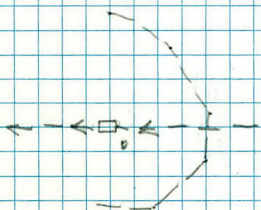
LT

£

RT

6-9-76  
CLARK: 96°

13



STW

+

R

-

ELW

10.6.11 12.4.11 11

10.6.11 12.4.11

10.6.11 12.4.11

10.6.11 12.4.11



BENCH LEVELS

&

CROSS - SECTIONS

ROSELAWN

200' WEST OF FAIRVIEW

TO

STA 27+00

| STA | +    | K      | -    | ELEV   |          |
|-----|------|--------|------|--------|----------|
| Bm  | 2.52 | 965.49 |      |        | 962.97   |
| Bm  | 4.85 | 968.21 | 2.13 | 963.36 | (963.39) |
| Bm  | 5.23 | 971.25 | 2.19 | 966.02 | (966.04) |
| Bm  | 3.82 | 971.14 | 3.93 | 967.32 | (967.34) |
| T.P | 8.00 | 976.61 | 2.53 | 968.61 | -        |
| Bm  | 7.50 | 981.42 | 2.69 | 973.92 | (973.95) |
| T.P | 6.26 | 984.61 | 3.07 | 978.35 | -        |
| Bm  |      |        | 1.79 | 982.82 |          |
| Bm  | 3.83 | 987.22 | 1.22 | 983.39 |          |
| Bm  | 4.61 | 987.21 | 4.62 | 982.60 |          |
| Bm  |      |        | 3.84 | 983.37 |          |
| Bm  | 1.92 | 984.73 | 4.41 | 982.81 |          |
| TP  | 1.63 | 979.97 | 6.39 | 978.34 | ✓        |
| Bm  | 2.41 | 976.32 | 6.06 | 973.91 | ✓        |
| T.P | 2.41 | 971.04 | 7.69 | 968.63 |          |
| Bm  | 4.42 | 971.74 | 3.72 | 967.32 | ✓        |
| Bm  | 2.67 | 968.71 | 5.70 | 966.04 |          |
| Bm  | 2.46 | 965.85 | 5.32 | 963.39 |          |
|     |      |        | 2.88 | 962.97 | (962.97) |

TOP HYD SW COR OF SPELLING : ROSELAWN  
(1-100)

TOP HYD NW COR MIDDAKS : ROSELAWN

TOP HYD NW COR. MIDDAKS RD : ROSELAWN  
(100-1)

TOP HYD NW COR MIDDAKS : ROSELAWN

TOP SPIKE IN P.P. STA 11+84 LT. 28'

TOP HYD 1763 ROSELAWN 5+77 LT. 26'

TOP SPIKE IN P.P. STA 2+08 LT. 28'

TOP HYD NE COR FAIRVIEW : ROSELAWN

TOP HYD SW COR. FAIRVIEW : ROSELAWN

TOP HYD 1843 ROSELAWN

TOP HYD SW COR. FAIRVIEW : ROSELAWN

TOP HYD NE COR FAIRVIEW : ROSELAWN

TOP SPIKE IN P.P. STA 2+08 LT. 28'

TOP HYD 1763 ROSELAWN 5+77 LT. 26'

TOP SPIKE IN P.P. STA 11+84 LT. 28'

TOP HYD NW COR MIDDAKS<sup>LA</sup> : ROSELAWN  
(100-1)

TOP HYD NW COR MIDDAKS RD : ROSELAWN

TOP HYD NW COR MIDDAKS : ROSELAWN  
(1-100)

TOP HYD SW COR OF SPELLING : ROSELAWN



| STA   | +    | $\pi$  | -    | ELEV   |        |
|-------|------|--------|------|--------|--------|
| Bm    | 4.30 | 986.90 |      |        | 982.60 |
| 0-100 |      |        |      |        |        |
| 0-60  |      |        |      |        |        |
| 0-44  |      |        | 7.27 | 979.63 |        |
| 0-19  |      |        | 6.32 | 980.58 |        |
| 0-48  |      |        | 6.89 | 980.01 |        |
| 0-24  |      |        | 6.00 | 980.90 |        |
| 0-20  |      |        | 6.27 | 980.63 |        |
| 0-21  |      |        | 6.55 | 980.35 |        |

W.S.  
R.6  
R.J.  
P.Y.

LT

☐

RT

6-16-16  
CUM 150 16

TOP HVD 1843 ROSELAWN

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 81.3 | 81.3 | 80.8 | 81.8 | 82.3 | 81.9 | 81.4 | 82.8 | 84.3 | 84.3 |
| 5.6  | 5.6  | 6.1  | 5.1  | 4.6  | 5.0  | 5.5  | 3.1  | 2.6  | 2.6  |
| 74   | 66   | 27   | 15   |      | 15   | 21   | 35   | 45   | 48   |

|       |       |       |      |      |      |      |      |       |
|-------|-------|-------|------|------|------|------|------|-------|
| 81.22 | 81.01 | 80.35 | 81.2 | 81.6 | 81.4 | 80.5 | 82.9 | 83.39 |
| 5.68  | 5.89  | 6.55  | 5.7  | 5.3  | 5.5  | 6.4  | 4.0  | 3.51  |
| 74    | 56    | 27    | 15   |      | 15   | 21   | 33   | 50    |

CON.

CB LT.21 ✓

MA LT.21 ✓

CB RT.22 ✓

MA RT.2 ✓

MA RT24 ✓

CB RT45 ✓

| STA  | +                     | $\pi$  | -    | ELEV   |        |
|------|-----------------------|--------|------|--------|--------|
|      |                       | 986.90 |      |        |        |
| 0-26 |                       |        |      |        |        |
| ✓    |                       |        |      |        |        |
| Bm   | 2.79                  | 985.61 | 4.08 | 982.82 | 987.82 |
| 0-12 | EDGE OF BITUMINOUS    |        |      |        |        |
| 0+00 | ↙ FAIRVIEW : ROSELAWN |        |      |        |        |
| 0+12 |                       |        |      |        |        |



MS  
K.6  
R.J  
E.Y

LT

£

RT

6-16-76  
6-18-76 17

78.7 79.7 80.1  
8.2 7.2 6.2  
43 25 19

80.96  
5.94

80.7 80.6  
6.2 6.3  
22 33

79.7  
7.13  
48  
FL.18"  
cmp

80.12  
6.78  
73  
FL.18"  
cmp

TOP HYD NE CORNER FAIRVIEW : ROSEDAWN

77.4 77.7 78.8 80.1  
8.2 7.9 6.8 5.5  
170 150 100 50

80.9  
4.7

81.0 81.4 82.0 82.6  
4.6 4.2 3.6 3.0  
50 100 150 200

78.0 79.0 80.2  
7.6 6.6 5.4  
150 100 50

80.9  
4.7

81.1 81.7 82.1 82.9  
4.5 3.9 3.5 2.7  
50 100 150 200

77.8 78.7 79.4  
7.8 6.9 6.0  
140 100 50

80.6  
5.0

80.8 81.3 81.9 82.6  
4.8 4.3 3.7 3.0  
50 100 150 200

| STA  | +        | Δ      | -    | ELEV  | BM |
|------|----------|--------|------|-------|----|
|      |          | 985.61 |      |       |    |
| 0+20 |          |        | 5.72 | 79.89 |    |
|      |          |        |      |       |    |
|      |          |        |      |       |    |
| +29  |          |        |      |       |    |
|      |          |        |      |       |    |
|      |          |        |      |       |    |
| +45  |          |        | 5.79 | 79.82 |    |
|      |          |        |      |       |    |
| +55  |          |        | 6.00 | 79.61 |    |
|      |          |        |      |       |    |
| +60  |          |        |      |       |    |
|      |          |        |      |       |    |
|      |          |        |      |       |    |
| +84  | END. LT. |        |      |       |    |
|      |          |        |      |       |    |
|      |          |        |      |       |    |
| 1+00 |          |        |      |       |    |

W.S  
K.G  
R.J  
E.Y

LT

£

RT

6-17-76  
CLIMAX 75°  
18

CB RT.45

✓

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 78.4 | 78.8 | 79.6 | 80.3 | 79.9 | 79.3 | 78.9 | 79.1 |
| 7.2  | 6.8  | 6.0  | 5.3  | 5.7  | 6.3  | 6.7  | 6.5  |
| 75   | 59   | 27   |      | 19   | 24   | 61   | 75   |

MA LT 14

MA RT.12

✓

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 80.1 | 80.2 | 79.9 | 79.7 | 79.9 | 79.5 | 78.7 | 78.9 | 78.3 | 77.8 |
| 5.5  | 5.4  | 5.7  | 5.9  | 5.7  | 6.1  | 6.9  | 6.7  | 7.3  | 7.8  |
| 75   | 56   | 36   | 15   |      | 14   | 24   | 36   | 56   | 75   |

✓

|       |      |      |      |
|-------|------|------|------|
| 80.95 | 80.3 | 79.4 | 79.6 |
| 4.65  | 5.3  | 6.2  | 6.0  |
| 70    | 42   | 13   |      |

CONC  
CARBIDE

Prorated  
OK

✓

|      |       |      |      |      |      |      |      |      |
|------|-------|------|------|------|------|------|------|------|
| 81.0 | 80.85 | 79.7 | 79.2 | 79.4 | 79.0 | 77.7 | 76.9 | 76.3 |
| 4.6  | 4.75  | 5.9  | 6.4  | 6.2  | 6.6  | 7.9  | 8.7  | 9.3  |
| 70   | 67    | 34   | 15   |      | 14   | 26   | 46   | 75   |

CONC  
SW

| STA  | +      | $\pi$    | -    | ELEV   |        |
|------|--------|----------|------|--------|--------|
|      |        | 985.61   |      |        |        |
| 1+50 |        |          |      |        |        |
|      |        |          |      |        |        |
|      |        |          |      |        |        |
| Bm   | 3.23   | 981.58   | 7.26 | 978.35 | 978.35 |
|      |        |          |      |        |        |
| 1+46 |        |          | 2.95 | 78.63  |        |
|      |        |          |      |        |        |
| 2+00 |        |          |      |        |        |
|      |        |          |      |        |        |
|      |        |          |      |        |        |
| +35  | $\neq$ | ENT. LT. |      |        |        |
|      |        |          |      |        |        |
|      |        |          |      |        |        |
| +53  |        |          |      |        |        |
|      |        |          |      |        |        |
|      |        |          |      |        |        |
| 3+00 |        |          |      |        |        |
|      |        |          |      |        |        |
|      |        |          |      |        |        |



W.S  
K.6  
R.O  
E.Y

LT

✓  
E

RT

6-17-76  
CLOUDY 78°

19

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 80.1 | 79.6 | 78.9 | 78.6 | 78.5 | 78.3 | 76.6 | 76.4 | 76.3 |
| 5.5  | 6.0  | 6.7  | 7.0  | 7.1  | 7.3  | 9.0  | 9.2  | 9.3  |
| 75   | 52   | 29   | 18   |      | 15   | 26   | 50   | 75   |

TOP SPIKE AP STA 2+08 LT 28

MA LT. 15

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 79.4 | 78.5 | 77.9 | 77.9 | 78.0 | 77.8 | 77.4 | 76.4 | 77.3 | 76.7 | 76.2 |
| 2.2  | 3.1  | 3.7  | 3.7  | 3.6  | 3.8  | 4.2  | 5.2  | 4.3  | 4.9  | 5.4  |
| 71   | 44   | 22   | 11   |      | 15   | 20   | 24   | 34   | 53   | 75   |

|       |      |      |      |
|-------|------|------|------|
| 79.40 | 78.1 | 77.5 | 77.6 |
| 2.18  | 3.5  | 4.1  | 4.0  |
| 85    | 41   | 12   |      |

prorated  
Jk

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 77.4 | 77.3 | 77.9 | 77.1 | 77.3 | 77.2 | 76.6 | 75.2 | 74.1 | 72.8 |
| 4.2  | 4.3  | 3.9  | 4.5  | 4.3  | 4.4  | 5.0  | 6.4  | 7.5  | 8.8  |
| 75   | 42   | 25   | 14   |      | 14   | 19   | 27   | 57   | 75   |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 77.8 | 77.8 | 78.0 | 77.8 | 76.2 | 76.5 | 76.2 | 75.7 | 71.8 | 71.4 | 71.5 |
| 3.8  | 3.8  | 3.6  | 4.3  | 5.4  | 5.1  | 5.4  | 5.9  | 9.8  | 10.2 | 10.1 |
| 75   | 62   | 41   | 26   | 13   |      | 14   | 19   | 32   | 56   | 75   |

| STA  | +    | π       | —    | ELEV   |
|------|------|---------|------|--------|
|      |      | 981.58  |      |        |
| 3+40 | ⊥    | ENT LT. |      |        |
|      |      |         |      |        |
|      |      |         |      |        |
| +71  | ⊥    | ENT RT  |      |        |
|      |      |         |      |        |
|      |      |         |      |        |
| 4+00 |      |         |      |        |
|      |      |         |      |        |
|      |      |         |      |        |
| +50  |      |         |      |        |
|      |      |         |      |        |
|      |      |         |      |        |
| 5+00 |      |         |      |        |
|      |      |         |      |        |
|      |      |         |      |        |
| BM   | 1.89 | 975.81  | 7.66 | 973.92 |
|      |      |         |      | 973.92 |

W.S.  
K.G.  
R.I.  
E.Y.

LT

E

RT

18 JUNE 1976  
Cloudy 65°  
70

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 76.4 | 76.2 | 75.2 | 75.3 | 75.7 | 75.5 | 75.4 | 71.5 | 70.9 | 71.0 |
| 5.2  | 5.4  | 6.9  | 6.3  | 5.9  | 6.1  | 6.2  | 10.1 | 10.7 | 10.6 |
| 73   | 48   | 21   | 14   |      | 14   | 17   | 31   | 48   | 75   |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 74.2 | 73.7 | 73.6 | 74.7 | 74.8 | 75.0 | 75.1 | 72.6 | 71.3 | 70.8 | 70.8 |
| 7.9  | 7.9  | 8.0  | 6.9  | 6.8  | 6.6  | 6.5  | 9.0  | 10.3 | 10.8 | 10.8 |
| 75   | 47   | 29   | 19   | 13   |      | 14   | 29   | 43   | 62   | 75   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 72.7 | 74.1 | 73.9 | 74.1 | 74.3 | 74.6 | 74.7 | 70.7 | 70.6 | 70.7 |
| 8.9  | 7.5  | 7.7  | 7.5  | 7.3  | 7.0  | 6.9  | 10.9 | 11.0 | 10.9 |
| 75   | 50   | 29   | 16   | 12   |      | 13   | 28   | 46   | 75   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 72.6 | 73.2 | 73.5 | 73.6 | 74.0 | 73.9 | 73.4 | 70.7 | 70.6 | 70.8 |
| 9.0  | 8.4  | 8.1  | 8.0  | 7.6  | 7.7  | 8.2  | 10.9 | 11.0 | 10.8 |
| 75   | 50   | 25   | 13   |      | 14   | 19   | 30   | 50   | 75   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 74.1 | 73.6 | 72.8 | 73.0 | 73.3 | 73.5 | 73.1 | 70.8 | 70.6 | 70.7 |
| 7.5  | 8.0  | 8.8  | 8.6  | 8.3  | 8.1  | 8.5  | 10.8 | 11.0 | 10.9 |
| 75   | 50   | 30   | 12   |      | 14   | 20   | 29   | 50   | 75   |

TOP HYD. STA. 5+77 LT. 26'

STA

+

 $\pi$ 

-

ELEV.

975.81

5 + 50

+72

MH LT. 33'

+93

E ENT. LT.

6 + 03

✓

+50

✓



WS  
KG  
RJ  
EY

LT

C

RT

JUNE 18, 1976  
Cloudy 70°

21

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 14.0 | 12.7 | 12.6 | 12.2 | 12.6 | 12.8 | 12.8 | 12.7 | 10.9 | 10.6 | 10.8 |
| 1.8  | 3.1  | 3.2  | 3.6  | 3.2  | 3.0  | 3.0  | 3.1  | 4.9  | 5.2  | 5.0  |
| 75   | 50   | 30   | 15   | 11   |      | 14   | 19   | 28   | 50   | 75   |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 11.6 | 10.9 | 10.7 | 12.0 | 12.4 | 12.6 | 12.6 | 12.4 | 10.6 | 10.6 | 10.8 |
| 4.3  | 4.9  | 5.06 | 3.8  | 3.4  | 3.2  | 3.2  | 3.4  | 5.2  | 5.2  | 5.0  |
| 75   | 50   | 33   | 16   | 11   |      | 14   | 19   | 30   | 50   | 75   |

MH

|      |      |      |      |      |
|------|------|------|------|------|
| 12.2 | 12.0 | 11.6 | 12.0 | 12.6 |
| 3.6  | 3.8  | 4.2  | 3.8  | 3.3  |
| 75   | 50   | 30   | 14   |      |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 12.1 | 10.5 | 11.7 | 11.9 | 12.5 | 12.6 | 12.3 | 10.9 | 10.9 | 11.0 |
| 3.7  | 5.25 | 4.1  | 3.9  | 3.3  | 3.2  | 3.5  | 4.9  | 4.9  | 4.8  |
| 36   | 35   | 22   | 13   |      | 14   | 19   | 29   | 50   | 75   |

C.B.

|      |      |
|------|------|
| 12.2 | 12.3 |
| 3.6  | 3.5  |
| 50   | 75   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 12.0 | 10.8 | 11.1 | 12.3 | 12.6 | 12.8 | 10.7 | 11.2 | 11.5 |
| 3.8  | 5.0  | 4.7  | 3.5  | 3.2  | 3.0  | 5.1  | 4.6  | 4.3  |
| 36   | 28   | 22   | 14   |      | 14   | 30   | 50   | 75   |

|      |      |
|------|------|
| 12.2 | 12.6 |
| 3.6  | 3.2  |
| 50   | 75   |

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

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 975.81 |  |  |
|--|--|--------|--|--|

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

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

|     |   |               |  |  |
|-----|---|---------------|--|--|
| +50 | ¢ | CONC. ENT. LT |  |  |
|-----|---|---------------|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 8+00 |  |  |  |  |
|------|--|--|--|--|

|    |      |        |      |        |
|----|------|--------|------|--------|
| TP | 8.04 | 980.70 | 3.15 | 972.66 |
|----|------|--------|------|--------|

|     |   |         |  |  |
|-----|---|---------|--|--|
| +44 | ¢ | ENT LT. |  |  |
|-----|---|---------|--|--|

WS  
KG  
RJ  
EY

LT

E

RT

6-25-16 June 18, 1976  
Cloudy 70°  
72

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 72.2 | 72.0 | 71.5 | 72.6 | 72.7 | 72.8 | 71.9 | 72.1 | 72.7 |
| 3.6  | 3.8  | 4.3  | 3.2  | 2.9  | 3.0  | 3.9  | 3.7  | 3.1  |
| 50   | 31   | 23   | 13   |      | 14   | 27   | 50   | 75   |

72.7  
3.1  
75

|             |               |                |      |      |      |      |      |      |      |
|-------------|---------------|----------------|------|------|------|------|------|------|------|
| 72.9        | 72.4          | 72.0           | 72.5 | 72.8 | 72.9 | 72.1 | 73.5 | 73.7 | 74.3 |
| 2.88        | 3.42          | 3.82           | 3.3  | 3.0  | 2.9  | 3.7  | 2.3  | 2.1  | 1.5  |
| 75          | 50            | 29             | 13   |      | 14   | 25   | 30   | 50   | 75   |
| CONC.<br>DW | CONC.<br>PRIV | CONC.<br>PRIVE |      |      |      |      |      |      |      |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 72.0 | 72.4 | 71.4 | 72.0 | 72.4 | 72.7 | 72.7 | 71.5 | 75.1 | 75.4 | 75.8 |
| 3.8  | 3.4  | 4.4  | 3.8  | 3.4  | 3.1  | 3.1  | 4.3  | 0.7  | 0.4  | 0.0  |
| 75   | 54   | 27   | 18   | 13   |      | 13   | 24   | 30   | 54   | 75   |

TOP PK STA. 8+00

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 72.2 | 72.2 | 72.1 | 72.0 | 72.4 | 72.4 | 71.5 | 77.3 | 77.1 | 77.8 |
| 8.5  | 8.5  | 8.6  | 8.7  | 8.3  | 8.3  | 9.2  | 3.4  | 3.6  | 2.9  |
| 75   | 50   | 35   | 13   |      | 14   | 24   | 31   | 50   | 75   |

| STA.   | +                | $\pi$                       | -    | ELEV.                       |
|--------|------------------|-----------------------------|------|-----------------------------|
|        |                  | 980.70                      |      |                             |
| 9+00   | ¢ CONC. ENT. LT. |                             |      |                             |
|        |                  |                             |      |                             |
|        |                  |                             |      |                             |
| +28    | ¢ CONC. ENT. LT. |                             |      |                             |
|        |                  |                             |      |                             |
|        |                  |                             |      |                             |
| +67    |                  |                             |      |                             |
|        |                  |                             |      |                             |
|        |                  |                             |      |                             |
| 10     |                  |                             |      |                             |
|        |                  |                             |      |                             |
| T.P    | 1.96             | 975.35<br><del>985.35</del> | 7.31 | 973.39<br><del>983.39</del> |
|        |                  |                             |      |                             |
| 10 +47 | ¢ CONC. ENT. LT. |                             |      |                             |
|        |                  |                             |      |                             |
|        |                  |                             |      |                             |
| 11     |                  |                             |      |                             |
|        |                  |                             |      |                             |
|        |                  |                             |      |                             |



W.S  
K.G  
R.C  
E.Y

LT

£

6-23-76  
CLEAR: 85°  
RT

23

|       |       |       |      |      |      |      |      |      |      |
|-------|-------|-------|------|------|------|------|------|------|------|
| 72.4  | 72.1  | 71.9  | 71.6 | 72.1 | 71.9 | 71.0 | 75.9 | 76.3 | 71.9 |
| 8.30  | 8.57  | 8.80  | 9.1  | 8.6  | 8.8  | 9.7  | 4.8  | 4.4  | 3.3  |
| 75    | 50    | 35    | 14   |      | 13   | 24   | 34   | 50   | 75   |
| CONC. | CONC. | CONC. |      |      |      |      |      |      |      |

|       |       |       |      |      |
|-------|-------|-------|------|------|
| 72.25 | 71.63 | 71.38 | 71.5 | 71.9 |
| 8.45  | 9.07  | 9.32  | 9.2  | 8.8  |
| 75    | 50    | 25    | 14   |      |
| CONC. | CONC. | CONC. |      |      |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 71.6 | 71.2 | 71.3 | 72.0 | 71.6 | 70.7 | 76.7 | 77.0 | 77.0 |
| 9.1  | 9.5  | 9.4  | 8.7  | 9.1  | 10.0 | 4.0  | 3.7  | 3.7  |
| 66   | 37   | 14   |      | 14   | 25   | 38   | 50   | 75   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 71.2 | 71.3 | 71.0 | 71.1 | 71.6 | 71.4 | 70.6 | 76.1 | 75.7 | 74.8 |
| 9.5  | 9.4  | 9.7  | 9.6  | 9.1  | 9.3  | 10.1 | 4.6  | 5.0  | 5.9  |
| 75   | 47   | 30   | 14   |      | 13   | 24   | 32   | 50   | 75   |

TOP HYD STA. 9+85 LT. 26

|       |       |       |      |      |      |      |      |      |      |
|-------|-------|-------|------|------|------|------|------|------|------|
| 70.72 | 70.82 | 70.38 | 70.6 | 70.7 | 71.0 | 69.8 | 71.9 | 71.9 | 71.6 |
| 4.68  | 4.58  | 4.62  | 4.8  | 4.7  | 4.4  | 5.6  | 3.5  | 3.5  | 3.8  |
| 75    | 50    | 30    | 14   |      | 12   | 24   | 28   | 50   | 75   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 67.4 | 67.8 | 68.2 | 69.8 | 69.9 | 69.9 | 68.8 | 70.1 | 69.6 | 69.2 |
| 8.0  | 7.6  | 7.2  | 5.6  | 5.5  | 5.5  | 6.6  | 5.3  | 5.8  | 6.2  |
| 75   | 50   | 33   | 14   |      | 11   | 23   | 26   | 50   | 75   |

| STA   | +         | $\Sigma$          | -    | ELEV.   |          |
|-------|-----------|-------------------|------|---------|----------|
|       |           | 975.35            |      |         |          |
|       |           | <del>985.35</del> |      |         |          |
| 11+75 |           | Ent               | LT.  |         |          |
| Bm    | 3.55      | 972.17            | 6.73 | 968.62  | (968.62) |
| 12+00 |           |                   |      |         |          |
| +30   |           |                   | 6.41 | 65.76   |          |
| +49   | ENT. LEFT |                   |      |         |          |
| +91   |           |                   | 8.75 | 63.42   |          |
| 13+00 |           |                   |      |         |          |
|       |           |                   | 9.92 | surface |          |

W.S  
K.G  
R.C  
E.V

LT



RT

6-25-78  
CLEAR: 85°

24

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 65.7 | 67.2 | 67.8 | 68.3 | 68.7 | 68.7 | 68.0 | 70.4 | 70.8 | 70.9 |
| 9.5  | 8.2  | 7.6  | 7.1  | 6.7  | 6.7  | 7.4  | 5.0  | 4.6  | 4.7  |
| 75   | 50   | 31   | 14   |      | 13   | 24   | 27   | 50   | 75   |

TOP SPIKE IN P.P. STA 11+84 LT. 28'

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 66.8 | 67.2 | 67.9 | 68.0 | 68.2 | 68.3 | 67.5 | 70.5 | 70.1 | 69.8 |
| 5.4  | 5.0  | 4.3  | 4.2  | 4.0  | 3.9  | 4.7  | 1.7  | 2.1  | 2.4  |
| 75   | 50   | 26   | 13   |      | 13   | 24   | 25   | 50   | 75   |

SURFACE DRAIN LT. 21

|      |      |      |       |      |      |      |      |      |      |      |
|------|------|------|-------|------|------|------|------|------|------|------|
| 65.6 | 65.1 | 65.7 | 66.90 | 67.3 | 67.4 | 67.2 | 66.2 | 67.1 | 66.4 | 66.7 |
| 6.6  | 7.1  | 6.5  | 5.3   | 4.9  | 4.8  | 5.0  | 5.9  | 5.1  | 5.8  | 5.5  |
| 75   | 49   | 28   | 13    |      | 13   | 19   | 23   | 27   | 50   | 75   |

MANHOLE LT. 27

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 63.0 | 62.9 | 62.4 | 65.2 | 66.6 | 66.4 | 66.9 | 66.1 | 64.2 | 64.1 | 64.1 |
| 9.2  | 9.3  | 8.8  | 7.0  | 5.6  | 6.4  | 5.3  | 6.1  | 8.0  | 8.1  | 8.1  |
| 75   | 50   | 34   | 24   | 13   | 5.4  | 13   | 23   | 27   | 50   | 75   |

| STA   | +    | Δ      | -    | ELEV            |
|-------|------|--------|------|-----------------|
| BM    |      | 972.17 |      |                 |
| 13+10 |      |        | 9.92 | 62.25           |
|       |      |        |      |                 |
| +50   |      |        | 9.92 |                 |
|       |      |        |      |                 |
| +66   | 2    | CONC   | LT.  |                 |
|       |      |        |      |                 |
| 14+00 |      |        |      |                 |
|       |      |        |      |                 |
| 14+50 |      |        |      |                 |
|       |      |        |      |                 |
| BM    | 3.69 | 971.01 | 4.87 | 967.30 (967.32) |
|       |      |        |      |                 |
| 14+94 |      | GUTTER | LT.  |                 |



W.S.  
K.G  
R.J  
E.Y.

LT

CT

RT

6-24-76  
OVERCAST  
BREEZY 68° 25

# SURFACE DRAIN LT. 56

|            |            |            |            |            |   |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|---|------------|------------|------------|------------|------------|------------|
| 16.3       | 16.5       | 16.4       | 16.3       | 16.5       | ✓ | 16.7       | 16.7       | 16.3       | 17.8       | 13.6       | 13.9       |
| <u>5.9</u> | <u>5.7</u> | <u>5.8</u> | <u>5.9</u> | <u>5.7</u> |   | <u>5.5</u> | <u>5.5</u> | <u>5.9</u> | <u>8.4</u> | <u>8.6</u> | <u>8.5</u> |
| 75         | 50         | 33         | 19         | 12         |   | 5.5        | 14         | 20         | 31         | 50         | 75         |

|             |             |            |   |            |
|-------------|-------------|------------|---|------------|
| 16.6        | 16.4        | 16.5       | ✓ | 16.6       |
| <u>5.62</u> | <u>5.83</u> | <u>5.7</u> |   | <u>5.6</u> |
| 59          | 27          | 13         |   |            |
| CONC        | CONC.       |            |   |            |

|            |            |            |            |   |            |            |            |            |            |            |
|------------|------------|------------|------------|---|------------|------------|------------|------------|------------|------------|
| 16.3       | 16.5       | 16.4       | 16.4       | ✓ | 16.6       | 16.8       | 16.7       | 14.1       | 14.4       | 14.8       |
| <u>5.9</u> | <u>5.7</u> | <u>5.8</u> | <u>5.8</u> |   | <u>5.4</u> | <u>5.4</u> | <u>6.5</u> | <u>8.1</u> | <u>7.8</u> | <u>7.4</u> |
| 59         | 41         | 33         | 15         |   | 5.6        | 13         | 22         | 28         | 50         | 75         |

|            |            |            |            |   |            |            |            |            |            |            |
|------------|------------|------------|------------|---|------------|------------|------------|------------|------------|------------|
| 16.3       | 16.5       | 15.8       | 15.8       | ✓ | 16.3       | 16.3       | 15.8       | 14.2       | 14.6       | 15.2       |
| <u>5.9</u> | <u>5.7</u> | <u>6.4</u> | <u>6.4</u> |   | <u>5.9</u> | <u>5.9</u> | <u>6.4</u> | <u>8.0</u> | <u>7.6</u> | <u>7.0</u> |
| 75         | 50         | 33         | 13         |   | 5.9        | 13         | 20         | 28         | 50         | 75         |

# TOP HYD NW CORN MID-OAKS & ROSELAWN

|             |            |            |            |            |            |     |            |            |            |            |            |
|-------------|------------|------------|------------|------------|------------|-----|------------|------------|------------|------------|------------|
| 12.78       | 13.2       | 13.6       | 14.3       | 15.4       | 16.0       | ✓   | 15.9       | 15.6       | 13.7       | 14.4       | 14.9       |
| <u>8.22</u> | <u>7.8</u> | <u>7.4</u> | <u>6.7</u> | <u>5.4</u> | <u>5.0</u> |     | <u>5.1</u> | <u>5.4</u> | <u>7.3</u> | <u>6.6</u> | <u>6.1</u> |
| 171         | 150        | 100        | 50         | 15         |            | 5.1 | 21         | 27         | 50         | 75         |            |

CB

STA

+

A

—

ELEV.

971.01

15+08

C OF MID-OAKS

+21

GUTTER LT.

+15

5.75 965.26

+15

7.83

+60

16+00

WS  
KG  
RT  
E.V

LT

✓

RT

6-24-76  
OVERCAST  
BREEZY 26  
68°

63.5 63.9 64.5 65.8 66.0  
7.5 7.1 6.49 5.3 5.0  
171 100 58 14 5.0  
M.H

62.31  
8.69  
171  
CB

63.6 64.4 65.8 66.0 65.8 65.4 64.0 64.4 65.2  
7.4 6.6 5.2 5.0 5.2 5.6 7.0 6.6 5.8  
100 50 14 13 19 30 50 75

MANHOLE LT. 25

M.H. LT. 171

67.2 67.2 67.5 67.7 68.0 68.1 68.1 68.6 69.2 69.4 69.5  
3.8 3.8 4.5 5.3 5.0 4.9 4.9 5.4 6.8 6.4 5.5  
75 50 35 21 13 13 19 27 50 75

68.9 68.4 68.8 68.2 68.4 68.1 68.4 68.6 68.8 68.3  
2.1 2.6 5.2 4.8 4.6 4.9 5.6 6.4 6.2 5.7  
75 47 21 12 13 22 29 50 75

| STA   | +    | $\pi$  | -    | ELEV.  |
|-------|------|--------|------|--------|
|       |      | 971.01 |      |        |
| +50   |      |        |      |        |
|       |      |        |      |        |
| +82   |      |        |      |        |
|       |      |        |      |        |
| T.P   | 4.49 | 970.66 | 4.84 | 966.17 |
|       |      |        |      |        |
| 17+00 |      |        |      |        |
|       |      |        |      |        |
| +50   |      |        |      |        |
|       |      |        |      |        |
| 18+00 |      |        |      |        |
|       |      |        |      |        |
| +46   |      |        | 7.95 |        |



W.S.  
K.G.  
R.S.  
E.V.

LT.

☐

R.T

6-24-76  
OVERCAST  
BREEZY 27  
68°

✓  
69.7 69.1 66.2 66.3 66.4 66.0 65.4 66.3 66.6 66.5  
1.3 1.9 4.8 4.7 4.6 5.0 5.6 4.7 4.4 4.5  
75 32 19 12 14 23 30 50 75

✓  
71.0 71.4 66.2 66.1 66.3 65.8 65.0 67.7 67.5 66.8  
0.0 -0.4 4.8 4.9 4.7 5.2 6.0 3.3 3.5 4.2  
75 47 20 13 13 23 30 50 75

STA. 17+00 TOP OF PK ☐

✓  
70.7 70.7 70.4 66.1 66.1 66.2 65.9 65.0 68.1 67.6 67.2  
0.0 0.0 0.3 4.6 4.6 4.5 4.8 5.7 2.6 3.1 3.5  
75 50 33 19 12 13 22 30 50 75

✓  
69.7 69.5 68.5 65.3 65.5 65.8 65.3 64.5 67.3 67.2 66.7  
1.0 1.2 2.2 5.4 5.2 4.9 5.4 6.2 3.4 3.5 4.0  
75 50 33 19 13 13 25 30 50 75

✓  
63.5 64.2 64.0 65.0 65.1 64.7 63.9 65.0 65.2 64.9  
7.2 6.5 6.7 5.7 5.6 6.0 6.8 5.7 5.5 5.8  
62 50 33 13 14 25 30 50 75

SURFACE DRAIN LT. 25

| STA   | +    | +      | -              | ELEV   |        |
|-------|------|--------|----------------|--------|--------|
|       |      | 970.66 |                |        |        |
| BM    | 1.69 | 967.72 | 4.63           | 966.03 | 966.03 |
| 18+55 |      |        |                |        |        |
| +65   |      |        | 3.70           | 64.02  |        |
| +68   |      |        | 3.52           | 64.20  |        |
| +70   |      |        | ST. MARY'S AVE |        |        |
| +76   |      |        | 3.99           | 63.73  |        |

WS  
KG  
RS  
EV

LT

CL

RT

6-24-76  
OVERCAST  
BREEZY 28

TOP HYDRANT + 51 LT 52

64.2 64.0 63.9 63.1 64.4 64.4 64.1 63.3 63.8 63.6 63.6  
3.5 3.7 3.8 4.63 3.3 3.3 3.6 4.4 3.9 4.1 4.1  
175 150 100 41 13 13 23 38 50 75  
CB

$\frac{8}{5}$

M.H LT 24

M.H LT 17

64.3 64.0 63.9 64.3 64.3  
3.4 3.7 3.8 3.4 3.4  
150 100 50 14

M.H LT 41

| STA   | +    | π          | -                       | ELEV                      |
|-------|------|------------|-------------------------|---------------------------|
|       |      | 967.72     |                         | BS.                       |
| + 85  |      |            | 4.60<br><del>3.60</del> | 63.12<br><del>64.12</del> |
|       |      | CB LT 42'  |                         | →                         |
| 19+00 |      |            |                         |                           |
| +50   |      |            |                         |                           |
| +86   | 2    | BIT. DRIVE | LT                      |                           |
| 20+00 |      |            |                         |                           |
| TP    | 7.50 | 968.39     | 6.83                    | 960.89                    |



WIS  
KIG  
RJS  
EY

LT.

2 ✓

RT

6-24-76  
OVERCAST  
29

63.7 63.4 63.1 64.1 64.2  
4.0 4.3 4.6 3.6 3.5  
140 100 42 14

✓

64.4 64.6 64.2 64.1 64.1 63.9 63.0 63.9 63.7 63.5  
3.3 3.1 3.5 3.7 3.6 3.8 4.7 3.8 4.0 4.2  
75 40 19 13 14 23 26 50 75

✓

65.5 65.1 64.6 63.4 63.7 63.2 62.4 64.9 64.4 63.9  
2.2 2.6 3.1 4.3 4.0 4.5 5.1 2.8 3.3 3.8  
68 50 32 13 14 23 26 50 75

✓

65.5 63.7 63.1 63.2 63.2  
2.2 4.0 4.6 4.5 4.5  
77 30 23 13

✓

65.3 64.0 62.8 63.0 62.9 62.1 64.4 64.2 63.8  
2.4 3.7 4.9 4.7 4.8 5.6 3.3 3.5 3.9  
75 50 13 13 21 26 50 75

20+48

SURFACE DRAIN

LT 24

TOP  
W. EDGE OF RIM

| STA   | +    | $\pi$  | -    | ELEV.  |        |
|-------|------|--------|------|--------|--------|
|       |      | 968.39 |      |        |        |
| +50   |      |        |      |        |        |
| 21+00 |      |        |      |        |        |
| +50   |      |        |      |        |        |
| +71   |      |        |      |        |        |
| BM    | 2.60 | 965.99 | 5.00 | 963.39 | 963.37 |
| 21+20 |      |        |      |        |        |
| +03   |      |        | 5.22 |        |        |

WS  
EY

LT

E

RT

6-25-76  
CLEAR 75°  
WINDY 30

<sup>63.4</sup> 5.0 75    <sup>62.6</sup> 5.8 50    <sup>61.0</sup> 7.4 28    <sup>61.9</sup> 6.5 13    ✓  
<sup>62.4</sup> 6.0 14    <sup>62.2</sup> 6.2 23    <sup>61.7</sup> 6.7 30    <sup>63.0</sup> 5.4 30    <sup>63.6</sup> 4.8 44    <sup>63.6</sup> 4.8 75

<sup>65.4</sup> 3.0 75    <sup>65.0</sup> 3.4 48    <sup>61.7</sup> 6.7 25    <sup>61.7</sup> 6.7 12    ✓  
<sup>62.0</sup> 6.4 14    <sup>61.8</sup> 6.6 25    <sup>60.5</sup> 7.9 36    <sup>61.1</sup> 7.3 50    <sup>61.5</sup> 6.9 75    <sup>62.3</sup> 6.1 75

<sup>66.2</sup> 2.2 55    <sup>65.1</sup> 3.3 45    <sup>62.2</sup> 6.2 29    <sup>61.5</sup> 6.9 21    <sup>61.4</sup> 7.0 13    ✓  
<sup>61.6</sup> 6.8 14    <sup>61.2</sup> 7.2 25    <sup>59.9</sup> 8.5 50    <sup>60.4</sup> 8.0 75    <sup>61.3</sup> 7.1 75

<sup>64.9</sup> 3.5 70    <sup>65.3</sup> 3.1 50    <sup>61.3</sup> 7.1 24    <sup>61.3</sup> 7.1 13    ✓  
<sup>61.5</sup> 6.9 15    <sup>61.2</sup> 7.2 26    <sup>59.7</sup> 8.7 50    <sup>59.9</sup> 8.5 75    <sup>60.4</sup> 8.0 75

(1-100)

TOP HYD. NW COR MUDWORKS : ROSEDALE

<sup>62.4</sup> 3.6 200    <sup>61.9</sup> 4.1 150    <sup>61.4</sup> 4.6 100    <sup>61.0</sup> 5.0 50    <sup>60.25</sup> 5.75 15    <sup>61.6</sup> 4.4 15

MH 25' LT

| STA   | + | π          | -    | ELEV. |
|-------|---|------------|------|-------|
|       |   | 965.99     |      |       |
| 22+04 |   | GUTTER LT  |      |       |
|       |   |            |      |       |
|       |   |            |      |       |
| 22+20 |   | q MID-OAKS |      |       |
|       |   |            |      |       |
|       |   |            |      |       |
| +36   |   | GUTTER LT  |      |       |
|       |   |            |      |       |
|       |   |            |      |       |
| +50   |   |            | 5.67 | 60.32 |
|       |   |            |      |       |
|       |   |            |      |       |
| +75   |   |            |      |       |
|       |   |            |      |       |
|       |   |            |      |       |
| 23    |   |            |      |       |
|       |   |            |      |       |
|       |   |            |      |       |
|       |   |            |      |       |



W.S.  
E.Y.

LT.

✓

6.6/55

RT

6-25-76  
CLEAR 75°  
WINDY 31

62.0 61.6 61.0 60.34 61.1 61.6 61.1 59.5 59.4 59.4  
4.0 4.4 5.0 5.66 4.9 4.4 4.9 6.5 6.6 6.6  
200 150 100 42 18 16 30 50 75  
CB

62.4 61.9 61.4 61.0 60.25 61.6  
3.6 4.1 4.6 5.0 5.75 4.4  
200 150 100 50 15  
MH

61.3 60.9 60.28 61.3 61.6 61.3 59.6 59.3 59.0  
4.7 5.1 5.72 4.7 4.4 4.7 6.4 6.7 7.0  
150 100 42 15 16 26 50 75  
CB

C.B. LT.23

64.1 63.5 61.1 61.1 61.9 62.0 61.6 61.1 59.8 60.6 59.2  
1.9 2.5 4.9 4.9 4.1 4.0 4.4 4.9 6.2 5.4 6.8  
75 46 28 19 13 16 20 26 29 50 6.8  
75

64.9 64.1 61.4 62.2 62.2 61.8 61.5 59.9 59.9 61.6  
1.1 1.9 4.6 3.8 3.8 4.2 4.5 6.1 6.1 4.4  
50 41 22 13 17 20 23 26 27 60.0  
6.2 6.0  
75 50

| STA   | +    | π            | -         | ELEV.  |
|-------|------|--------------|-----------|--------|
|       |      | 965.97       |           |        |
| 23+40 |      | Ent          | LT.       |        |
| T.P   | 4.63 | 966.77       | 3.83      | 962.14 |
| +56   |      | 15" CMP      | WEST EDGE |        |
| +71   |      | ± ENT (conc) | RT        |        |
| +86   |      | 15" CMP      | EAST EDGE |        |

W.S W.S  
EY KG  
EY

LT

£

RT

6-25-76  
CLEAR 750  
WINDY 32

|                 |      |       |       |      |      |      |      |      |      |      |
|-----------------|------|-------|-------|------|------|------|------|------|------|------|
| 65.2            | 64.9 | 63.81 | 62.43 | 62.4 | 62.1 | 61.7 | 60.3 | 60.3 | 62.7 | 61.6 |
| 0.80            | 1.1  | 2.19  | 3.37  | 3.6  | 3.9  | 4.3  | 5.7  | 5.7  | 3.3  | 4.4  |
| 48              | 44   | 33    | 20    | 14   | 17   | 20   | 23   | 26   | 29   | 50   |
| CONC CONC CONC. |      |       |       |      |      |      |      |      |      | 50   |
| DRIVEWAY        |      |       |       |      |      |      |      |      |      | 75   |

TOP P.K. £ STA 24+00

|       |       |      |      |      |      |         |      |      |
|-------|-------|------|------|------|------|---------|------|------|
| 64.91 | 64.98 | 62.9 | 62.4 | 62.4 | 62.2 | 59.33   | 61.9 | 62.0 |
| 1.89  | 1.82  | 3.9  | 4.4  | 4.4  | 4.6  | 7.47    | 4.9  | 4.8  |
| 59    | 45    | 23   | 14   |      | 16   | 23      | 26   | 47   |
| SW    | SW    |      |      |      |      | F.L.    |      |      |
|       |       |      |      |      |      | 15' emp |      |      |

|      |      |       |       |
|------|------|-------|-------|
| 62.4 | 62.0 | 61.83 | 62.11 |
| 4.4  | 4.8  | 4.97  | 4.69  |
|      | 14   | 33    | 52    |
|      |      | CONC  | CONC  |

|      |      |      |      |      |      |      |         |      |      |
|------|------|------|------|------|------|------|---------|------|------|
| 63.4 | 62.6 | 61.6 | 62.1 | 62.3 | 61.8 | 61.4 | 59.33   | 61.8 | 62.1 |
| 3.0  | 4.2  | 5.2  | 4.7  | 4.5  | 5.0  | 5.4  | 7.46    | 5.0  | 4.7  |
| 75   | 40   | 24   | 13   |      | 16   | 20   | 23      | 27   | 43   |
|      |      |      |      |      |      |      | F.L.    |      |      |
|      |      |      |      |      |      |      | 23' emp |      |      |

62.0  
4.8  
75

| STA.  | +    | $\pi$   | -    | ELEV.  |
|-------|------|---------|------|--------|
|       |      | 966.77  |      |        |
| 24+24 |      |         |      |        |
| ✓     |      |         |      |        |
| +71   |      |         |      |        |
| 25+10 |      |         | 7.11 | 959.66 |
| +22   |      | Ent Lt. |      |        |
| +33   |      |         | 7.32 | 959.45 |
| TP    | 4.75 | 965.73  | 5.79 | 960.98 |



W.S  
K.G  
E.Y

LT

✓

RT.

6-28-76  
CL 75°

33

| 61.7 | 61.1 | 60.6 | 61.5 | 61.8 | 61.3 | 60.7 | 59.4 | 61.3 | 62.3 |
|------|------|------|------|------|------|------|------|------|------|
| 51   | 57   | 62   | 53   | 5.0  | 5.5  | 6.1  | 7.2  | 5.5  | 4.5  |
| 75   | 52   | 26   | 13   |      | 15   | 18   | 23   | 28   | 49   |

62.4  
4.4  
75

| 61.8 | 60.3 | 60.4 | 60.8 | 61.2 | 60.9 | 59.3 | 61.8 | 62.8 |
|------|------|------|------|------|------|------|------|------|
| 5.0  | 6.5  | 6.4  | 6.0  | 5.6  | 5.9  | 7.5  | 5.0  | 4.0  |
| 64   | 35   | 22   | 13   |      | 15   | 23   | 34   | 56   |

FL 15" cmp. LT, 20' WEST END

| 61.6 | 60.5 | 60.7 | 61.0 | 60.7 | 59.2 | 61.7 | 62.5 |
|------|------|------|------|------|------|------|------|
| 5.64 | 6.29 | 6.1  | 5.8  | 6.1  | 7.6  | 5.1  | 4.3  |
| 64   | 35   | 14   |      | 16   | 22   | 34   | 75   |

conv.

FL 15" cmp LT, 20' EAST END

STA. 25+00 TOP P.K.

| STA   | + | $\pi$        | -      | ELEV.       |
|-------|---|--------------|--------|-------------|
|       |   | 965.73       |        |             |
| 25+65 |   |              | 4.92   |             |
| +83   |   |              |        |             |
| +93   |   |              | 5.14   | 60.59       |
| (+96  |   | DITCH RIGHT) | (26+00 | DITCH LEFT) |
| 26+10 |   |              |        |             |
| +18   |   |              | 4.65   |             |

W.S.  
K.G.  
E.Y.

LT

8

RT

6-28-76  
CL. 750  
34

MH RIGHT 25'



|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 60.4 | 60.1 | 59.3 | 60.4 | 61.3 | 60.6 | 58.1 | 60.4 | 60.9 |
| 5.3  | 5.6  | 6.4  | 5.3  | 4.4  | 5.1  | 7.6  | 5.3  | 4.8  |
| 75   | 37   | 29   | 19   |      | 16   | 22   | 31   | 75   |

MH LEFT 18'



|       |       |      |       |      |      |      |            |      |      |       |
|-------|-------|------|-------|------|------|------|------------|------|------|-------|
| 58.98 | 58.27 | 59.3 | 59.24 | 60.4 | 61.3 | 60.7 | 57.27      | 57.9 | 58.4 | 59.32 |
| 672   | 683   | 6.4  | 6.46  | 5.3  | 4.4  | 5.0  | 8.43       | 7.8  | 7.3  | 7.38  |
| 100   | 70    | 54   | 32    | 23   |      | 20   | 27         | 50   | 75   | 89    |
|       |       |      |       |      |      |      | FL 15" CMP | MH   |      |       |

|       |            |
|-------|------------|
| 60.21 | 58.88      |
| 549   | 682        |
| 107   | 124        |
| MH    | FL 12" CMP |

|            |
|------------|
| 56.96      |
| 874        |
| 140        |
| FL 12" CMP |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 60.8 | 60.9 | 60.9 | 60.7 | 61.2 | 60.7 | 60.7 | 60.9 | 60.8 |
| 9.9  | 4.8  | 4.8  | 5.0  | 4.5  | 5.0  | 5.0  | 4.8  | 4.9  |
| 200  | 150  | 100  | 45   |      | 33   | 100  | 150  | 200  |

MH RIGHT 23'

| STA | + | - | ELEV. |
|-----|---|---|-------|
|-----|---|---|-------|

|  |  |        |  |
|--|--|--------|--|
|  |  | 965.73 |  |
|--|--|--------|--|

|       |  |  |  |
|-------|--|--|--|
| 26+30 |  |  |  |
|-------|--|--|--|

|  |  |                 |  |
|--|--|-----------------|--|
|  |  | 250. BOUND LANE |  |
|--|--|-----------------|--|

|  |  |               |  |
|--|--|---------------|--|
|  |  | SNELLING AVE. |  |
|--|--|---------------|--|

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

|  |      |        |        |
|--|------|--------|--------|
|  | 2.73 | 963.00 | 962.97 |
|--|------|--------|--------|



WS  
KG  
EV.

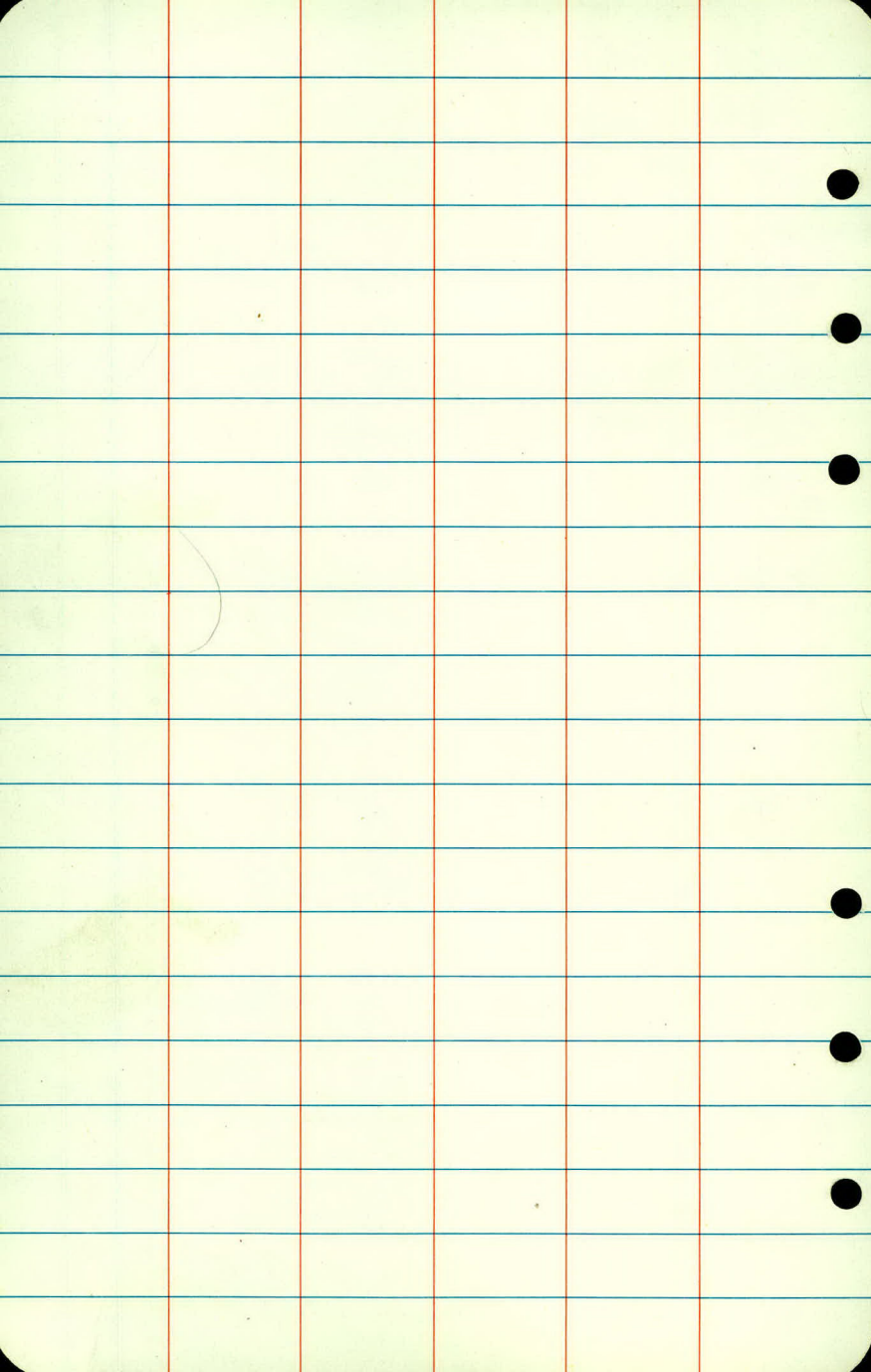
LT

E

19T

35

| 61.1 | 61.2 | 61.3 | 61.4 | 61.4 | 61.3 | 61.3 | 61.2 | 61.1 |
|------|------|------|------|------|------|------|------|------|
| 4.6  | 4.5  | 4.4  | 4.3  | 4.3  | 4.4  | 4.4  | 4.5  | 4.6  |
| 200  | 150  | 100  | 50   |      | 50   | 100  | 150  | 200  |



36

ROSELAWN AVE

Co. Project 114-02

M.H.'s & C.B Elevations

| Structure | +    | $\pi$  | -    | ELEV   |
|-----------|------|--------|------|--------|
|           | 6.57 | 991.26 |      | 984.69 |
| CB#51     |      |        | 8.59 | 982.67 |
| SD#6      |      |        | 8.75 | 982.51 |
| CB#53     |      |        | 8.14 | 983.12 |
| MH#5      |      |        | 8.82 | 982.44 |
| CB#52     |      |        | 8.16 | 983.10 |
| CB#54     |      |        | 7.34 | 983.92 |
| MH#8      |      |        | 6.56 | 984.70 |
| CB#57     |      |        | 5.50 | 985.76 |
| CB#56     |      |        | 5.48 | 985.78 |
|           |      |        | 2.11 | 989.15 |
|           |      |        |      | 989.16 |
| MH#9      |      |        | 4.54 | 986.72 |
|           |      |        | 0.40 | 990.86 |
|           |      |        |      | 990.86 |
|           | 2.39 | 993.25 |      | 990.86 |
| M.H #75   |      |        | 4.93 | 988.32 |
| MH #10    |      |        | 5.58 | 987.67 |
| C.B #58   |      |        | 7.62 | 985.63 |
| C.B #59   |      |        | 7.37 | 985.88 |



BW  
DS  
mR

12-1-80 +  
cloudy 25°-32°

Top Hyd NW Cor Roselawn & Cleveland

37

Top Hyd. 3+20 Lt

Top Hyd 5+90 Rt.

TOP HYD 5+90 RT

| STRUCTURE     | +    | △      | -    | ELEV          |
|---------------|------|--------|------|---------------|
|               |      |        | 5.15 | 988.10 988.10 |
| BM            | 0.55 | 991.74 |      | 991.19        |
| 8+53 LT, 20'  |      |        |      |               |
| MH            |      |        | 4.77 | 986.77        |
| MH #11        |      |        | 5.06 | 986.68        |
| 10+00 LT, 20' |      |        |      |               |
| MH            |      |        | 6.06 | 985.68        |
| BM            |      |        | 3.63 | 988.11 988.10 |
| BM            | 1.40 | 986.85 |      | 985.45        |
| 12+35 RT, 23' |      |        |      |               |
| MH            |      |        | 2.66 | 984.19        |
| CB #61        |      |        | 3.94 | 982.91        |
| CB #60        |      |        | 3.99 | 982.86        |
| CB #13        |      |        | 4.00 | 982.85        |
| MH #14        |      |        | 4.45 | 982.40        |
| CB #16        |      |        | 4.44 | 982.41        |
| MH #15        |      |        | 4.58 | 982.27        |
| CB #17        |      |        | 5.58 | 981.27        |
| MH #18        |      |        | 5.03 | 981.82        |
| CB #63        |      |        | 5.04 | 981.81        |

BW  
DS  
MR

12-9-80  
Snow 18°-23°

Top Hyd 10+85 LT

38

Top Hyd SW Cor Rose lawn & Autumn

New MH Rose lawn & Autumn

Top Hyd 10+85 LT,

Top Hyd SW Cor Rose lawn & Prior

|       | + | $\Delta$ | -    | Elev.  |        |
|-------|---|----------|------|--------|--------|
|       |   | 986.85   |      |        |        |
| MH#19 |   |          | 5.28 | 981.57 |        |
| MH#21 |   |          | 6.07 | 980.78 |        |
| MH#23 |   |          | 6.06 | 980.79 |        |
| CB#66 |   |          | 6.20 | 980.65 |        |
| MH#65 |   |          | 6.46 | 980.39 |        |
| CB#64 |   |          | 6.22 | 980.63 |        |
| MH#25 |   |          | 6.31 | 980.54 |        |
| MH#31 |   |          | 6.10 | 980.75 |        |
| MH#28 |   |          | 6.28 | 980.57 |        |
| MH#29 |   |          | 6.25 | 980.60 |        |
| MH#30 |   |          | 6.68 | 980.17 |        |
| MH#32 |   |          | 6.90 | 979.95 |        |
| CB#67 |   |          | 6.69 | 980.16 |        |
| CB#68 |   |          | 6.52 | 980.33 |        |
| MH#35 |   |          | 6.04 | 980.81 |        |
| BM    |   |          | 2.75 | 984.10 | 984.10 |

BW  
DS  
MR

12-9-80  
Snow 18°-23°

39

Top Hyd SW Cor Roselawn & Tatum



|                   | +    | $\pi$  | -    | Elev.    |        |
|-------------------|------|--------|------|----------|--------|
| BM                | 2.75 | 986.85 |      |          | 984.10 |
| MH #73            |      |        | 5.72 | 981.13   |        |
| MH #36            |      |        | 5.70 | 981.15   |        |
| MH #37            |      |        | 5.63 | 981.22   |        |
| BM                |      |        | 4.06 | (982.79) | 982.77 |
| T.P.              | 7.14 | 986.49 | 7.50 | 979.35   |        |
| CB #69            |      |        | 7.09 | 979.40   |        |
| MH #40            |      |        | 7.31 | 979.18   |        |
| CB #70            |      |        | 7.16 | 979.33   |        |
| MH 38             |      |        | 7.55 | 978.94   |        |
| MH #42            |      |        | 6.33 | 980.16   |        |
| MH #74            |      |        | 6.02 | 980.47   |        |
| CB #71            |      |        | 6.38 | 980.11   |        |
| 25+83 LT+21<br>MH |      |        | 6.13 | 980.36   |        |
| CB #72            |      |        | 6.47 | 980.02   |        |
| MH #48            |      |        | 5.91 | 980.58   |        |
| MH #45            |      |        | 5.71 | 980.78   |        |
| MH #46            |      |        | 5.63 | 980.86   |        |

BW  
DS  
MR

12-9-80  
Snow 18°-23° <sup>4</sup>/<sub>10</sub>

Top Hyd SW Cor Roselawn & Tatum

40

Top Hyd 21+35 Rt,

CB # 69

|             | +    | $\pi$  | -    | Elev   |
|-------------|------|--------|------|--------|
| TP          | 5.77 | 986.01 | 6.25 | 980.24 |
| 26+06 R+44' |      |        | 5.08 | 980.93 |
| MH          |      |        | 2.69 | 983.32 |
| BM          |      |        |      | 983.33 |

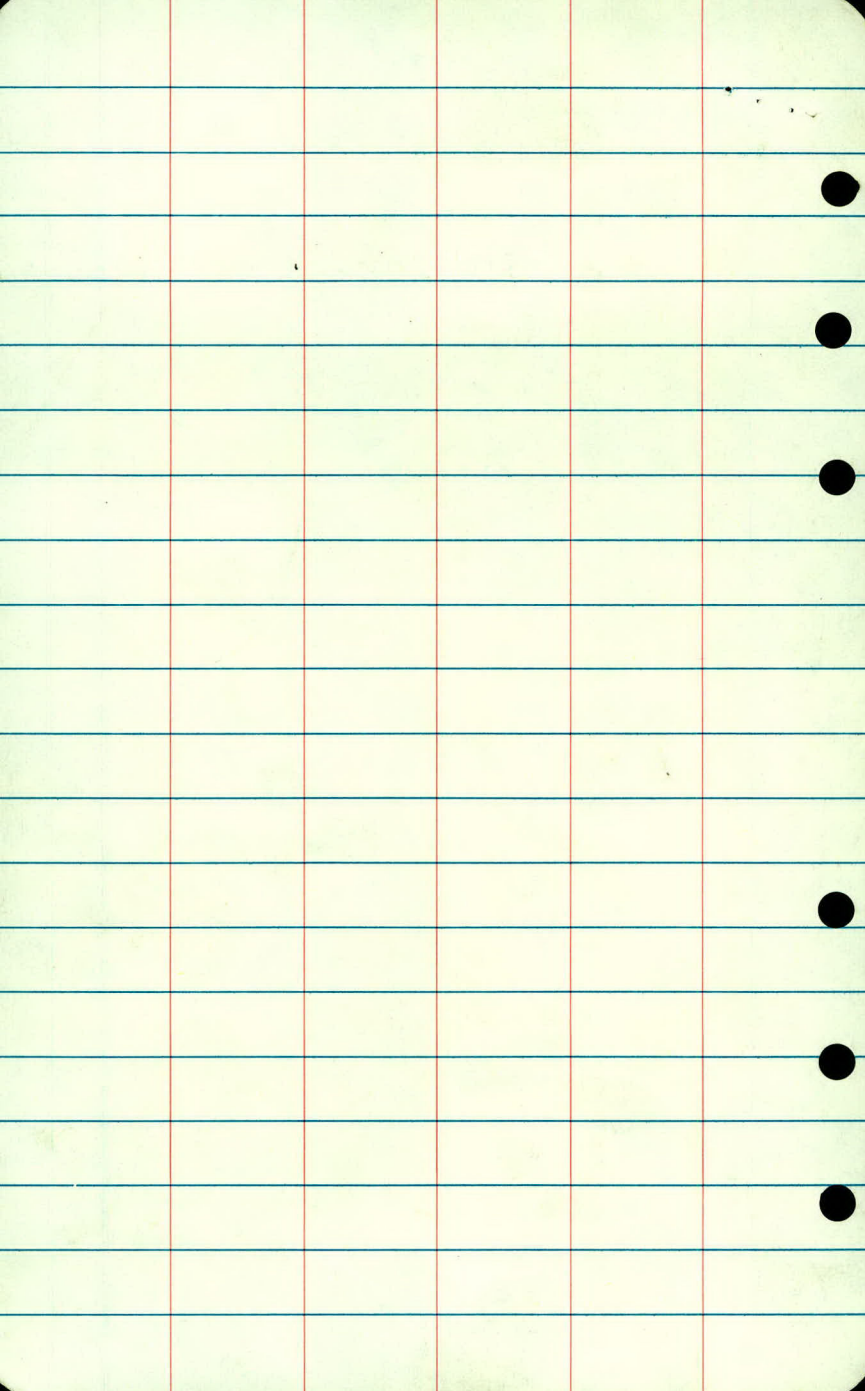
BW  
DS  
MR

12-9-80  
Snow 18°-23°

CB<sup>#</sup> 71 SE Cor

41

Top Hyd SW Cor Roselawn & Fairview





# STRUCTURAL DATA TYPE

42

|          |                                     |           |                          |              |                          |
|----------|-------------------------------------|-----------|--------------------------|--------------|--------------------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  | <input type="checkbox"/> | WATER        | <input type="checkbox"/> |
| SANITARY | <input type="checkbox"/>            | TELEPHONE | <input type="checkbox"/> | OTHER        | <input type="checkbox"/> |
| STATION  | RIGHT                               | LEFT      | SIZE                     |              |                          |
| 0+20     | 45                                  |           | 11                       | INCH CASTING |                          |

|                |            |
|----------------|------------|
| TYPE OF CONST. | COMMENTS   |
| BLOCK          | 2' precast |
| BRICK          |            |
| SECTIONAL      |            |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       |          |
| BRICK           |      |     |       |          |
| CONC. RINGS     | ✓    | 7   | 1.5   |          |

|                                                            |     |
|------------------------------------------------------------|-----|
| DEPTH FROM<br>BOTTOM OF M.H.<br>TO TOP OF CASTING          |     |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING | 4.5 |
| ETC.                                                       |     |
| ETC.                                                       |     |

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

|                 |       |
|-----------------|-------|
| DESIGN          |       |
| ELEVATION - TOP | 79.89 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST  
RECONSTRUCT



↓  
↓ 12" rcp  
↓

# STRUCTURAL DATA TYPE

43

|          |           |       |              |
|----------|-----------|-------|--------------|
| STORM    | ELECTRIC  | WATER |              |
| SANITARY | TELEPHONE | OTHER | ✓ NSP gas    |
| STATION  | RIGHT     | LEFT  | SIZE         |
| 0+45     |           | 14    | 13           |
|          |           |       | INCH CASTING |

|                |               |
|----------------|---------------|
| TYPE OF CONST. | COMMENTS      |
| BLOCK          | cast in place |
| BRICK          |               |
| SECTIONAL      |               |

|                 |      |        |       |          |
|-----------------|------|--------|-------|----------|
| ADJUSTING RINGS | TYPE | NO.    | DEPTH | COMMENTS |
| BLOCK           |      |        |       |          |
| BRICK           | ✓    | 4 rows | 1.25  |          |
| CONC. RINGS     |      |        |       |          |

DEPTH FROM  
BOTTOM OF M.H  
TO TOP OF CASTING

8.4

DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

4.9

From top of pipe

ETC.

ETC.

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW



DESIGN

ELEVATION - TOP

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT

6" gas main

# STRUCTURAL DATA TYPE

74

|          |           |       |              |
|----------|-----------|-------|--------------|
| STORM    | ELECTRIC  | WATER |              |
| SANITARY | TELEPHONE | OTHER | GAS          |
| STATION  | RIGHT     | LEFT  | SIZE         |
| 0+55     | 12        |       | 11           |
|          |           |       | INCH CASTING |

|                |                                  |
|----------------|----------------------------------|
| TYPE OF CONST. | COMMENTS<br><i>cast in place</i> |
| BLOCK          |                                  |
| BRICK          |                                  |
| SECTIONAL      |                                  |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       |          |
| BRICK           | ✓    | 2   | .70   |          |
| CONC. RINGS     |      |     |       |          |

DEPTH FROM  
BOTTOM OF M.H.  
TO TOP OF CASTING

8.1'

DISTANCE  
FROM HIGHEST  
~~FLOW~~ LINE TO  
TOP OF CASTING

4.1'

*from top of pipe*

ETC.

ETC.

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW



8"

6"

DESIGN

ELEVATION - TOP

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT

# STRUCTURAL DATA TYPE

45

|          |  |           |      |       |              |
|----------|--|-----------|------|-------|--------------|
| STORM    |  | ELECTRIC  |      | WATER |              |
| SANITARY |  | TELEPHONE |      | OTHER | Gas          |
| STATION  |  | RIGHT     | LEFT | SIZE  |              |
| 1+46     |  |           | 15   | 11    | INCH CASTING |

|                |  |                           |
|----------------|--|---------------------------|
| TYPE OF CONST. |  | COMMENTS<br>cast in place |
| BLOCK          |  |                           |
| BRICK          |  |                           |
| SECTIONAL      |  |                           |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       |          |
| BRICK           | ✓    | 3   | 1.1   |          |
| CONC. RINGS     |      |     |       |          |

DEPTH FROM  
BOTTOM OF M.H  
TO TOP OF CASTING

8.7

DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

4.4

ETC.

ETC.

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

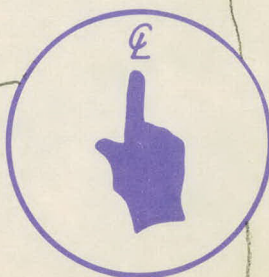
ELEVATION - TOP

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT





# STRUCTURAL DATA TYPE

46

|          |                                     |           |                          |              |                          |
|----------|-------------------------------------|-----------|--------------------------|--------------|--------------------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  | <input type="checkbox"/> | WATER        | <input type="checkbox"/> |
| SANITARY | <input type="checkbox"/>            | TELEPHONE | <input type="checkbox"/> | OTHER        | <input type="checkbox"/> |
| STATION  | RIGHT                               | LEFT      | SIZE                     |              |                          |
| 5+72     |                                     | 33        | 11                       | INCH CASTING |                          |

|                |                                          |
|----------------|------------------------------------------|
| TYPE OF CONST. | COMMENTS                                 |
| BLOCK          | M H                                      |
| BRICK          |                                          |
| SECTIONAL      | ✓ Precast 4 1/2' x 4' one 2 1/2' section |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       |          |
| BRICK           |      |     |       |          |
| CONC. RINGS     | ✓    | 3   | .55   |          |

DEPTH FROM  
BOTTOM OF M.H  
TO TOP OF CASTING  
DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING  
ETC.  
INV.

|       |
|-------|
| ELEV. |
| 8.3   |
| 5.8   |
| 8.3   |
|       |

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |       |
|-----------------|-------|
| ELEVATION - TOP | 970.7 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST

RECONSTRUCT





# STRUCTURAL DATA TYPE

47

|          |                                     |           |      |       |              |
|----------|-------------------------------------|-----------|------|-------|--------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  |      | WATER |              |
| SANITARY |                                     | TELEPHONE |      | OTHER |              |
| STATION  |                                     | RIGHT     | LEFT | SIZE  |              |
| .6+03    |                                     |           | 25   | 7     | INCH CASTING |

|                |                                     |                                               |
|----------------|-------------------------------------|-----------------------------------------------|
| TYPE OF CONST. |                                     | COMMENTS                                      |
| BLOCK          |                                     | <i>Surface Drain</i><br><br><i>precast 2'</i> |
| BRICK          |                                     |                                               |
| SECTIONAL      | <input checked="" type="checkbox"/> |                                               |

|                 |                                     |     |       |          |
|-----------------|-------------------------------------|-----|-------|----------|
| ADJUSTING RINGS | TYPE                                | NO. | DEPTH | COMMENTS |
| BLOCK           |                                     |     |       |          |
| BRICK           |                                     |     |       |          |
| CONC. RINGS     | <input checked="" type="checkbox"/> | 12  | 2.3   |          |

|                                                            |               |
|------------------------------------------------------------|---------------|
| DEPTH FROM<br>BOTTOM OF M.H.                               | ELEV.         |
| TO TOP OF CASTING                                          | 4.95    65.55 |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING | 4.95          |
| ETC.                                                       |               |
| INV.                                                       |               |

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |      |
|-----------------|------|
| ELEVATION - TOP | 70.5 |
| FINAL ELEVATION |      |
| DIFFERENCES     |      |

ADJUST.

RECONSTRUCT



↓  
12" rcp  
↓

# STRUCTURAL DATA TYPE

48

STORM



ELECTRIC

WATER

SANITARY

TELEPHONE

OTHER

STATION

RIGHT

LEFT

SIZE

12+30

21

7

INCH CASTING

TYPE OF CONST.

COMMENTS

BLOCK

Surface Drain

BRICK

SECTIONAL



2' precast

ADJUSTING RINGS

TYPE

NO.

DEPTH

COMMENTS

BLOCK

BRICK

CONC. RINGS



11

2.2

DEPTH FROM  
BOTTOM OF M.H.  
TO TOP OF CASTING

ELEV.

5.0

DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

5.0

60.76

ETC.

INV.



12" rep

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW



DESIGN

ELEVATION - TOP

65.76

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT

# STRUCTURAL DATA TYPE

49

STORM ☒

ELECTRIC ☐

WATER ☐

SANITARY ☐

TELEPHONE ☐

OTHER ☐

STATION

RIGHT

LEFT

SIZE

12+91

27

11

INCH CASTING

TYPE OF CONST.

BLOCK

BRICK

SECTIONAL ☒

COMMENTS

1.5' cone M14  
1.5' bottom with hand  
made concrete counter  
bottom

ADJUSTING RINGS

TYPE

NO.

DEPTH

COMMENTS

BLOCK

BRICK

CONC. RINGS

ELEV.

DEPTH FROM  
BOTTOM OF M.H.

3.55

TO TOP OF CASTING

DISTANCE

FROM HIGHEST

FLOW LINE TO

TOP OF CASTING

3.55

69.87

ETC.

3.55

INV.

12" rcp



12" rcp

↑

↑

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

ELEVATION - TOP

63.42

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT



# STRUCTURAL DATA TYPE

50

|          |                                     |           |      |       |              |
|----------|-------------------------------------|-----------|------|-------|--------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  |      | WATER |              |
| SANITARY | <input type="checkbox"/>            | TELEPHONE |      | OTHER |              |
| STATION  |                                     | RIGHT     | LEFT | SIZE  |              |
| 13 + 10  |                                     |           | 56   | 7     | INCH CASTING |

|                |                                     |                                            |
|----------------|-------------------------------------|--------------------------------------------|
| TYPE OF CONST. |                                     | COMMENTS                                   |
| BLOCK          |                                     | 4.5' Cone<br>4.0' section<br>Surface Drain |
| BRICK          |                                     |                                            |
| SECTIONAL      | <input checked="" type="checkbox"/> |                                            |

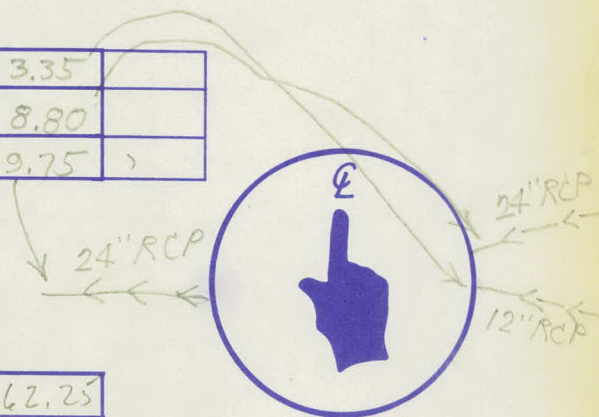
|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       | none     |
| BRICK           |      |     |       |          |
| CONC. RINGS     |      |     |       |          |

|                                                            |      |       |
|------------------------------------------------------------|------|-------|
| DEPTH FROM<br>BOTTOM OF M.H.                               |      | ELEV. |
| TO TOP OF CASTING                                          | 9.75 | 52.5  |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING | 3.35 |       |
| ETC.                                                       | 8.80 |       |
| INV.                                                       | 9.75 |       |

|                                                   |  |
|---------------------------------------------------|--|
| SIZES OF ALL<br>PIPES AND<br>DIRECTION OF<br>FLOW |  |
|---------------------------------------------------|--|

|                 |       |
|-----------------|-------|
| DESIGN          |       |
| ELEVATION - TOP | 62.25 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

|             |  |
|-------------|--|
| ADJUST      |  |
| RECONSTRUCT |  |



# STRUCTURAL DATA TYPE

51

|          |   |           |  |       |  |  |
|----------|---|-----------|--|-------|--|--|
| STORM    |   | ELECTRIC  |  | WATER |  |  |
| SANITARY | ✓ | TELEPHONE |  | OTHER |  |  |

|         |       |      |      |              |
|---------|-------|------|------|--------------|
| STATION | RIGHT | LEFT | SIZE |              |
| 15+08   |       | 56   | 9    | INCH CASTING |

|                |                        |
|----------------|------------------------|
| TYPE OF CONST. | COMMENTS               |
| BLOCK          | 4 1/2 top cone         |
| BRICK          | ✓ 1 1/2 bottom section |
| SECTIONAL      |                        |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       |          |
| BRICK           | ✓    |     |       |          |
| CONC. RINGS     | ✓    | 3   | .85   |          |

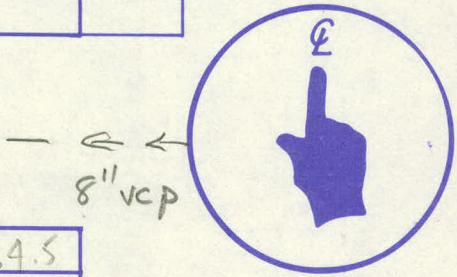
|                                                                                                                                 |            |
|---------------------------------------------------------------------------------------------------------------------------------|------------|
| DEPTH FROM<br>BOTTOM OF M.H.<br>TO TOP OF CASTING<br>DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING<br>ETC.<br>INV. | ELEV.      |
|                                                                                                                                 | 7.55 56.95 |
|                                                                                                                                 | 7.55       |
|                                                                                                                                 |            |
|                                                                                                                                 |            |

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |       |
|-----------------|-------|
| ELEVATION - TOP | 964.5 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST  
RECONSTRUCT



No incoming pipes



# STRUCTURAL DATA TYPE

52

|          |                                     |           |      |       |              |
|----------|-------------------------------------|-----------|------|-------|--------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  |      | WATER |              |
| SANITARY |                                     | TELEPHONE |      | OTHER |              |
| STATION  |                                     | RIGHT     | LEFT | SIZE  |              |
| 15+15    |                                     |           | 25   | 11    | INCH CASTING |

|                |                               |
|----------------|-------------------------------|
| TYPE OF CONST. | COMMENTS                      |
| BLOCK          | 4' top cone<br>4' bottom cone |
| BRICK          |                               |
| SECTIONAL      |                               |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       |          |
| BRICK           |      |     |       |          |
| CONC. RINGS     | X    | 6   | 1.1   |          |

DEPTH FROM  
BOTTOM OF M.H.  
TO TOP OF CASTING

DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

ETC.

INV.

| ELEV. |        |
|-------|--------|
|       |        |
| 10.75 | 954.51 |
| 10.75 |        |
| 6.7   | 958.56 |

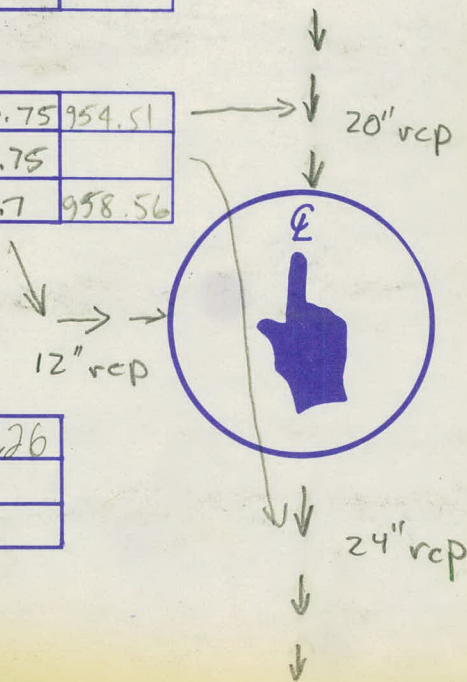
SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |        |
|-----------------|--------|
| ELEVATION - TOP | 965.26 |
| FINAL ELEVATION |        |
| DIFFERENCES     |        |

ADJUST

RECONSTRUCT



# STRUCTURAL DATA TYPE

53

STORM



ELECTRIC

WATER

SANITARY

TELEPHONE

OTHER

STATION

RIGHT

LEFT

SIZE

18+46

25

7

INCH CASTING

TYPE OF CONST.

BLOCK

BRICK

SECTIONAL



COMMENTS

precast 2' bottom section  
surface drain

ADJUSTING RINGS

TYPE

NO.

DEPTH

COMMENTS

BLOCK

BRICK

CONC. RINGS



5

.95

DEPTH FROM  
BOTTOM OF M.H.  
TO TOP OF CASTING

ELEV.

3.6

DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

3.6

ETC.

INV.

↑  
↑  
↑ 12" rcp

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW



DESIGN

ELEVATION - TOP

63.06

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT

# STRUCTURAL DATA TYPE

54

|          |                                     |           |                          |              |                          |
|----------|-------------------------------------|-----------|--------------------------|--------------|--------------------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  | <input type="checkbox"/> | WATER        | <input type="checkbox"/> |
| SANITARY | <input checked="" type="checkbox"/> | TELEPHONE | <input type="checkbox"/> | OTHER        | <input type="checkbox"/> |
| STATION  | RIGHT                               | LEFT      | SIZE                     |              |                          |
| 18 + 54  |                                     | 41        | 11                       | INCH CASTING |                          |

|                |                                          |
|----------------|------------------------------------------|
| TYPE OF CONST. | COMMENTS                                 |
| BLOCK          | precast 2' bottom section<br>catch basin |
| BRICK          |                                          |
| SECTIONAL      |                                          |

|                 |                                     |     |       |          |
|-----------------|-------------------------------------|-----|-------|----------|
| ADJUSTING RINGS | TYPE                                | NO. | DEPTH | COMMENTS |
| BLOCK           |                                     |     |       |          |
| BRICK           |                                     |     |       |          |
| CONC. RINGS     | <input checked="" type="checkbox"/> | 4   | .80   |          |

DEPTH FROM  
BOTTOM OF M.H.  
TO TOP OF CASTING

DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

ETC.

INV.

| ELEV. |      |
|-------|------|
| 3.7   | 59.4 |

|     |  |
|-----|--|
| 3.7 |  |
|     |  |
|     |  |

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

ELEVATION - TOP

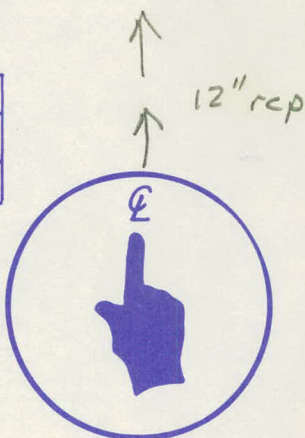
FINAL ELEVATION

DIFFERENCES

|      |  |
|------|--|
| 63.1 |  |
|      |  |
|      |  |

ADJUST

RECONSTRUCT





# STRUCTURAL DATA TYPE

|          |                                     |           |                          |       |                          |
|----------|-------------------------------------|-----------|--------------------------|-------|--------------------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  | <input type="checkbox"/> | WATER | <input type="checkbox"/> |
| SANITARY | <input type="checkbox"/>            | TELEPHONE | <input type="checkbox"/> | OTHER | <input type="checkbox"/> |

|         |       |      |      |              |
|---------|-------|------|------|--------------|
| STATION | RIGHT | LEFT | SIZE | INCH CASTING |
| 18+65   |       | 24   | 11   |              |

|                |                   |
|----------------|-------------------|
| TYPE OF CONST. | COMMENTS          |
| BLOCK          | 4 1/2' cone       |
| BRICK          | 2' bottom section |
| SECTIONAL      |                   |

|                 |                                     |     |       |          |
|-----------------|-------------------------------------|-----|-------|----------|
| ADJUSTING RINGS | TYPE                                | NO. | DEPTH | COMMENTS |
| BLOCK           |                                     |     |       |          |
| BRICK           |                                     |     |       |          |
| CONC. RINGS     | <input checked="" type="checkbox"/> | 2   | .4    |          |

|                                                            |            |
|------------------------------------------------------------|------------|
| DEPTH FROM<br>BOTTOM OF M.H.<br>TO TOP OF CASTING          | ELEV.      |
| 8.35                                                       |            |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING |            |
| 8.2                                                        |            |
| ETC.                                                       |            |
| 6.15                                                       |            |
| INV.                                                       | 5.25 58.77 |

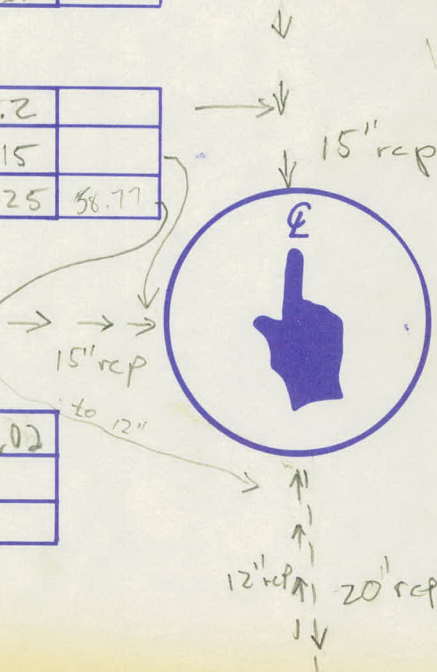
SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |       |
|-----------------|-------|
| ELEVATION - TOP | 64.02 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST

RECONSTRUCT





# STRUCTURAL DATA TYPE

|          |                                     |           |                          |       |                          |
|----------|-------------------------------------|-----------|--------------------------|-------|--------------------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  | <input type="checkbox"/> | WATER | <input type="checkbox"/> |
| SANITARY | <input checked="" type="checkbox"/> | TELEPHONE | <input type="checkbox"/> | OTHER | <input type="checkbox"/> |

|         |       |      |      |              |
|---------|-------|------|------|--------------|
| STATION | RIGHT | LEFT | SIZE |              |
| 18+68   |       | 17   | 9"   | INCH CASTING |

|                |                                     |                   |
|----------------|-------------------------------------|-------------------|
| TYPE OF CONST. |                                     | COMMENTS          |
| BLOCK          |                                     | 4' cone           |
| BRICK          |                                     | 3' bottom section |
| SECTIONAL      | <input checked="" type="checkbox"/> |                   |

|                 |                                     |     |       |          |
|-----------------|-------------------------------------|-----|-------|----------|
| ADJUSTING RINGS | TYPE                                | NO. | DEPTH | COMMENTS |
| BLOCK           |                                     |     |       |          |
| BRICK           |                                     |     |       |          |
| CONC. RINGS     | <input checked="" type="checkbox"/> | 4   | 1.15  |          |

|                                                            |       |
|------------------------------------------------------------|-------|
| DEPTH FROM<br>BOTTOM OF M.H.                               | ELEV. |
| TO TOP OF CASTING                                          | 9.8   |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING | 9.2   |
| ETC.                                                       |       |
| INV.                                                       |       |

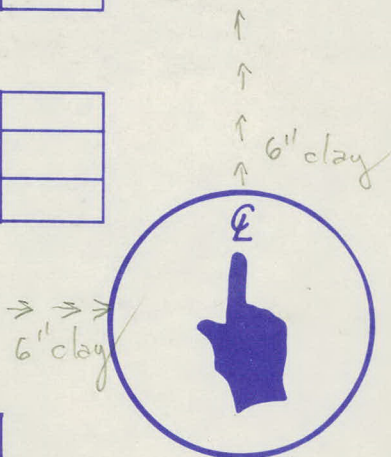
SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |       |
|-----------------|-------|
| ELEVATION - TOP | 64.20 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST

RECONSTRUCT



# STRUCTURAL DATA TYPE

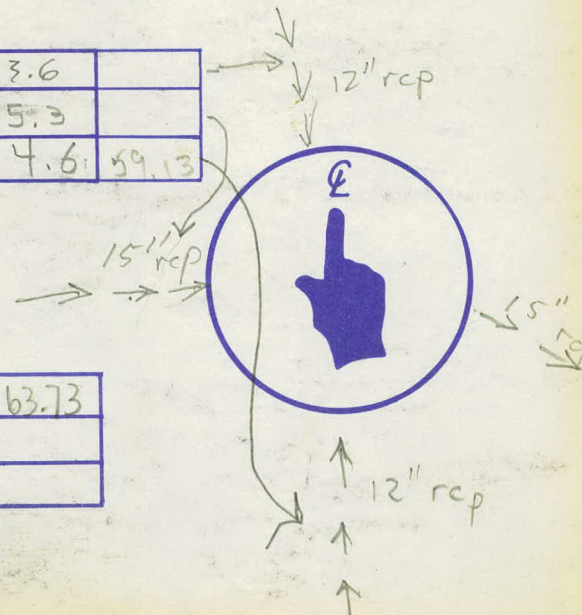
|          |       |           |      |              |  |
|----------|-------|-----------|------|--------------|--|
| STORM    | ✓     | ELECTRIC  |      | WATER        |  |
| SANITARY |       | TELEPHONE |      | OTHER        |  |
| STATION  | RIGHT | LEFT      | SIZE |              |  |
| 18+76    |       | 41        | 11   | INCH CASTING |  |

|                |   |                               |
|----------------|---|-------------------------------|
| TYPE OF CONST. |   | COMMENTS                      |
| BLOCK          |   | 1 1/2' top cone<br>4' section |
| BRICK          |   |                               |
| SECTIONAL      | ✓ |                               |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       |          |
| BRICK           |      |     |       |          |
| CONC. RINGS     | ✓    | 3   | .55   |          |

|                                                            |     |       |  |
|------------------------------------------------------------|-----|-------|--|
| DEPTH FROM<br>BOTTOM OF M.H<br>TO TOP OF CASTING           |     | ELEV. |  |
|                                                            | 5.4 |       |  |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING |     |       |  |
|                                                            | 3.6 |       |  |
| ETC.                                                       | 5.3 |       |  |
| INV.                                                       | 4.6 | 59.13 |  |

|                                                   |       |
|---------------------------------------------------|-------|
| SIZES OF ALL<br>PIPES AND<br>DIRECTION OF<br>FLOW |       |
| DESIGN                                            |       |
| ELEVATION - TOP                                   | 63.73 |
| FINAL ELEVATION                                   |       |
| DIFFERENCES                                       |       |
| ADJUST                                            |       |
| RECONSTRUCT                                       |       |



# STRUCTURAL DATA TYPE

|          |                                     |           |      |       |              |  |
|----------|-------------------------------------|-----------|------|-------|--------------|--|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  |      | WATER |              |  |
| SANITARY |                                     | TELEPHONE |      | OTHER |              |  |
| STATION  |                                     | RIGHT     | LEFT | SIZE  |              |  |
| 18+85    |                                     |           | 42   | 11    | INCH CASTING |  |

|                |                                     |                                  |
|----------------|-------------------------------------|----------------------------------|
| TYPE OF CONST. |                                     | COMMENTS                         |
| BLOCK          | <input checked="" type="checkbox"/> | 2 rows @ 1.1'<br><br>catch basin |
| BRICK          |                                     |                                  |
| SECTIONAL      |                                     |                                  |

|                 |                                     |     |       |          |
|-----------------|-------------------------------------|-----|-------|----------|
| ADJUSTING RINGS | TYPE                                | NO. | DEPTH | COMMENTS |
| BLOCK           |                                     |     |       |          |
| BRICK           |                                     |     |       |          |
| CONC. RINGS     | <input checked="" type="checkbox"/> | 2   | 4'    |          |

|                                                            |     |       |
|------------------------------------------------------------|-----|-------|
| DEPTH FROM<br>BOTTOM OF M.H.                               |     | ELEV. |
| TO TOP OF CASTING                                          | 2.7 | 60.42 |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING |     |       |
| ETC.                                                       |     |       |
| INV.                                                       |     |       |

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

|                 |       |
|-----------------|-------|
| DESIGN          | 63.12 |
| ELEVATION - TOP | 61.12 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST  
  
RECONSTRUCT



↓  
↓  
↓  
12" x 12" CP



# STRUCTURAL DATA TYPE

|          |   |           |      |       |              |
|----------|---|-----------|------|-------|--------------|
| STORM    | ✓ | ELECTRIC  |      | WATER |              |
| SANITARY |   | TELEPHONE |      | OTHER |              |
| STATION  |   | RIGHT     | LEFT | SIZE  |              |
| 20+48    |   |           | 24   | 11    | INCH CASTING |

|                |   |             |
|----------------|---|-------------|
| TYPE OF CONST. |   | COMMENTS    |
| BLOCK          | ✓ | CATCH BASIN |
| BRICK          |   |             |
| SECTIONAL      |   |             |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           | ✓    |     |       |          |
| BRICK           | ✓    | 5   | 2.7   |          |
| CONC. RINGS     |      |     |       |          |

|                                                            |      |       |
|------------------------------------------------------------|------|-------|
| DEPTH FROM<br>BOTTOM OF M.H.                               |      | ELEV. |
| TO TOP OF CASTING                                          | 4.30 |       |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING | 4.25 |       |
| ETC.                                                       |      |       |
| INV.                                                       |      |       |

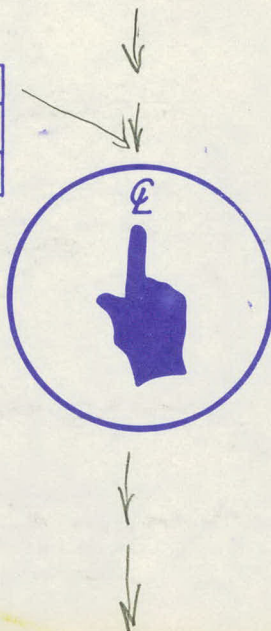
SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |       |
|-----------------|-------|
| ELEVATION - TOP | 60.89 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST

RECONSTRUCT





# STRUCTURAL DATA

## TYPE

|          |                                     |           |                          |              |                          |
|----------|-------------------------------------|-----------|--------------------------|--------------|--------------------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  | <input type="checkbox"/> | WATER        | <input type="checkbox"/> |
| SANITARY | <input type="checkbox"/>            | TELEPHONE | <input type="checkbox"/> | OTHER        | <input type="checkbox"/> |
| STATION  | RIGHT                               | LEFT      | SIZE                     |              |                          |
| 22+03    |                                     | 25        | 11                       | INCH CASTING |                          |

### TYPE OF CONST.

BLOCK ☒

BRICK ☐

SECTIONAL ☐

### COMMENTS

1-.5' Mexican Hat

2 rows block 1.25" depth

### ADJUSTING RINGS

TYPE

NO.

DEPTH

COMMENTS

BLOCK ☐

BRICK ☐

CONC. RINGS ☒

3

.60

DEPTH FROM  
BOTTOM OF M.H.  
TO TOP OF CASTING

ELEV.

3.45

DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

3.45

ETC.

INV.

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

5" rcp  
→ ↓



### DESIGN

ELEVATION - TOP

60.77

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT

↓  
↓ 15" rcp  
↓

# STRUCTURAL DATA TYPE

|          |       |           |      |              |  |
|----------|-------|-----------|------|--------------|--|
| STORM    | ✓     | ELECTRIC  |      | WATER        |  |
| SANITARY |       | TELEPHONE |      | OTHER        |  |
| STATION  | RIGHT | LEFT      | SIZE |              |  |
| 22+04    |       | 42        | 11   | INCH CASTING |  |

TYPE OF CONST.

1.4'

COMMENTS

BLOCK

✓

CATCH BASIN

.5' mexican hat

BRICK

SECTIONAL

ADJUSTING RINGS

TYPE

NO.

DEPTH

COMMENTS

BLOCK

BRICK

CONC. RINGS

None

DEPTH FROM  
BOTTOM OF M.H.

ELEV.

TO TOP OF CASTING

3.05

DISTANCE

FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

3.0

ETC.

INV.

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

ELEVATION - TOP

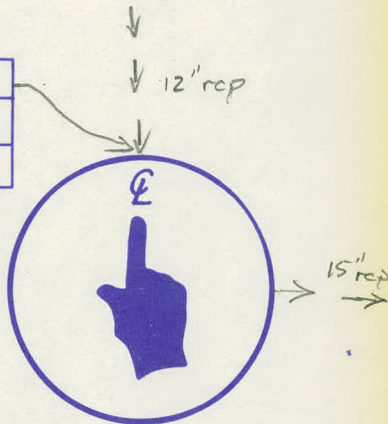
60.34

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT



# STRUCTURAL DATA TYPE

|                                                            |           |                            |                |
|------------------------------------------------------------|-----------|----------------------------|----------------|
| STORM                                                      | ELECTRIC  | WATER                      |                |
| SANITARY <input checked="" type="checkbox"/>               | TELEPHONE | OTHER                      |                |
| STATION                                                    | RIGHT     | LEFT                       | SIZE           |
| 22+20                                                      |           | 16                         | 9 INCH CASTING |
| TYPE OF CONST.                                             |           | COMMENTS                   |                |
| BLOCK                                                      |           | 4' cone M.H.<br>2' section |                |
| BRICK                                                      |           |                            |                |
| SECTIONAL <input checked="" type="checkbox"/>              |           |                            |                |
| ADJUSTING RINGS                                            | TYPE      | NO.                        | DEPTH          |
| BLOCK                                                      |           |                            |                |
| BRICK                                                      |           |                            |                |
| CONC. RINGS                                                |           |                            |                |
|                                                            |           | COMMENTS                   |                |
|                                                            |           | Mexican Hat                |                |
|                                                            |           | .45'                       |                |
| DEPTH FROM<br>BOTTOM OF M.H.<br>TO TOP OF CASTING          |           | ELEV.                      |                |
| 8.5                                                        |           |                            |                |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING |           |                            |                |
| 8.3                                                        |           |                            |                |
| ETC.                                                       |           |                            |                |
| 8.2                                                        |           |                            |                |
| INV.                                                       |           |                            |                |
| SIZES OF ALL<br>PIPES AND<br>DIRECTION OF<br>FLOW          |           |                            |                |
| DESIGN                                                     |           |                            |                |
| ELEVATION - TOP                                            |           | 60.25                      |                |
| FINAL ELEVATION                                            |           |                            |                |
| DIFFERENCES                                                |           |                            |                |
| ADJUST                                                     |           |                            |                |
| RECONSTRUCT                                                |           |                            |                |



# STRUCTURAL DATA TYPE

STORM



ELECTRIC

WATER

SANITARY

TELEPHONE

OTHER

STATION

RIGHT

LEFT

SIZE

22+36

43

11

INCH CASTING

TYPE OF CONST.

BLOCK



BRICK

SECTIONAL

COMMENTS

Catch Basin  
2 rows of block 1, 2'

ADJUSTING RINGS

TYPE

NO.

DEPTH

COMMENTS

BLOCK

BRICK

CONC. RINGS

Mexican Hat  
5'DEPTH FROM  
BOTTOM OF M.H.  
TO TOP OF CASTING

ELEV.

2.9'

DISTANCE  
FROM HIGHEST  
FLOW LINE TO  
TOP OF CASTING

2.8'

ETC.

INV.

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

ELEVATION - TOP

60.28

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT





# STRUCTURAL DATA TYPE

|          |                                     |           |                          |       |                          |
|----------|-------------------------------------|-----------|--------------------------|-------|--------------------------|
| STORM    | <input checked="" type="checkbox"/> | ELECTRIC  | <input type="checkbox"/> | WATER | <input type="checkbox"/> |
| SANITARY | <input type="checkbox"/>            | TELEPHONE | <input type="checkbox"/> | OTHER | <input type="checkbox"/> |

|         |       |      |      |              |
|---------|-------|------|------|--------------|
| STATION | RIGHT | LEFT | SIZE |              |
| 22+50   |       | 23   | 11   | INCH CASTING |

|                |                                     |                                                   |
|----------------|-------------------------------------|---------------------------------------------------|
| TYPE OF CONST. |                                     | COMMENTS                                          |
| BLOCK          | <input checked="" type="checkbox"/> | <i>Catch Basin</i><br><i>2 Rows of block 1.4'</i> |
| BRICK          | <input type="checkbox"/>            |                                                   |
| SECTIONAL      | <input type="checkbox"/>            |                                                   |

|                 |                                     |     |       |          |
|-----------------|-------------------------------------|-----|-------|----------|
| ADJUSTING RINGS | TYPE                                | NO. | DEPTH | COMMENTS |
| BLOCK           |                                     |     |       |          |
| BRICK           |                                     |     |       |          |
| CONC. RINGS     | <input checked="" type="checkbox"/> | 2   | .4'   |          |

|                                                            |       |            |
|------------------------------------------------------------|-------|------------|
| DEPTH FROM<br>BOTTOM OF M.H.<br>TO TOP OF CASTING          | ELEV. |            |
|                                                            |       | 2.6, 57.72 |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING |       | 2.45       |
| ETC.                                                       |       |            |
| INV.                                                       |       |            |

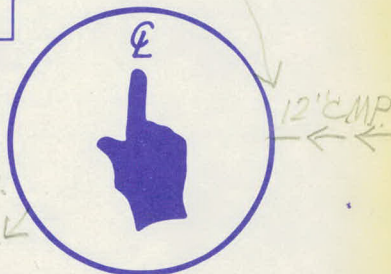
SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |       |
|-----------------|-------|
| ELEVATION - TOP | 60.32 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST

RECONSTRUCT



# STRUCTURAL DATA TYPE

|                                                                       |           |                                                                                    |              |
|-----------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------------|
| STORM                                                                 | ELECTRIC  | WATER                                                                              |              |
| SANITARY                                                              | TELEPHONE | OTHER                                                                              | NSP GAS      |
| STATION                                                               | RIGHT     | LEFT                                                                               | SIZE         |
| 25+65                                                                 | 12        |                                                                                    | 9            |
|                                                                       |           |                                                                                    | INCH CASTING |
| TYPE OF CONST.                                                        |           | COMMENTS                                                                           |              |
| BLOCK                                                                 |           | Poured top                                                                         |              |
| BRICK                                                                 |           |                                                                                    |              |
| SECTIONAL                                                             |           |                                                                                    |              |
| ADJUSTING RINGS                                                       |           | TYPE                                                                               | NO.          |
| BLOCK                                                                 |           |                                                                                    |              |
| BRICK                                                                 |           | ✓                                                                                  | 3            |
| CONC. RINGS                                                           |           |                                                                                    | .75          |
|                                                                       |           | DEPTH                                                                              | COMMENTS     |
| DEPTH FROM<br>BOTTOM OF M.H<br>TO TOP OF CASTING                      |           | ELEV.                                                                              |              |
| DISTANCE<br>FROM HIGHEST<br><del>FLOW LINE</del> TO<br>TOP OF CASTING |           | PIPE                                                                               |              |
| ETC.                                                                  |           |                                                                                    |              |
| INV.                                                                  |           |                                                                                    |              |
| SIZES OF ALL<br>PIPES AND<br>DIRECTION OF<br>FLOW                     |           |  |              |
| DESIGN                                                                |           |                                                                                    |              |
| ELEVATION - TOP                                                       |           |                                                                                    |              |
| FINAL ELEVATION                                                       |           |                                                                                    |              |
| DIFFERENCES                                                           |           |                                                                                    |              |
| ADJUST                                                                |           |                                                                                    |              |
| RECONSTRUCT                                                           |           |                                                                                    |              |

6" iron

# STRUCTURAL DATA TYPE

|          |   |           |      |       |              |
|----------|---|-----------|------|-------|--------------|
| STORM    |   | ELECTRIC  |      | WATER |              |
| SANITARY | ✓ | TELEPHONE |      | OTHER |              |
| STATION  |   | RIGHT     | LEFT | SIZE  |              |
| 25+94    |   | 18        | 18   | 9     | INCH CASTING |

|                |                          |
|----------------|--------------------------|
| TYPE OF CONST. | COMMENTS                 |
| BLOCK          | 4' cone<br>2.0 ft bottom |
| BRICK          |                          |
| SECTIONAL      |                          |

|                 |      |     |       |          |
|-----------------|------|-----|-------|----------|
| ADJUSTING RINGS | TYPE | NO. | DEPTH | COMMENTS |
| BLOCK           |      |     |       |          |
| BRICK           |      |     |       |          |
| CONC. RINGS     | ✓    | 4   | 1.0   |          |

|                                                            |       |
|------------------------------------------------------------|-------|
| DEPTH FROM<br>BOTTOM OF M.H.                               | ELEV. |
| TO TOP OF CASTING                                          | 8.75  |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING |       |
| ETC.                                                       |       |
| INV.                                                       |       |

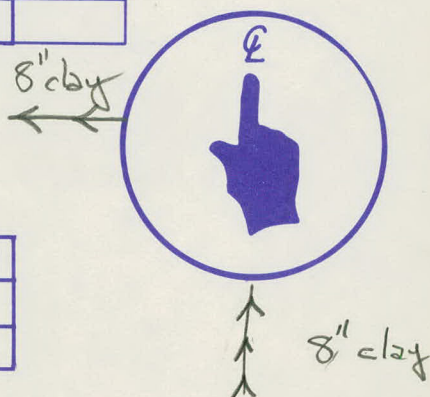
SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

DESIGN

|                 |       |
|-----------------|-------|
| ELEVATION - TOP | 60.59 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST

RECONSTRUCT





# STRUCTURAL DATA TYPE

|              |           |                                     |       |
|--------------|-----------|-------------------------------------|-------|
| STORM        | ELECTRIC  | <input checked="" type="checkbox"/> | WATER |
| SANITARY     | TELEPHONE | <input checked="" type="checkbox"/> | OTHER |
| STATION      | RIGHT     | LEFT                                | SIZE  |
| 26+18        | 23        |                                     | 13    |
| INCH CASTING |           |                                     |       |

|                                               |          |
|-----------------------------------------------|----------|
| TYPE OF CONST.                                | COMMENTS |
| BLOCK                                         |          |
| BRICK                                         |          |
| SECTIONAL <input checked="" type="checkbox"/> |          |

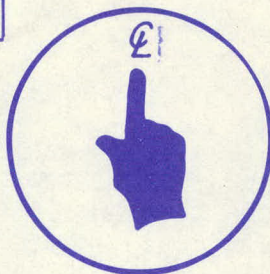
|                 |                                     |     |       |          |
|-----------------|-------------------------------------|-----|-------|----------|
| ADJUSTING RINGS | TYPE                                | NO. | DEPTH | COMMENTS |
| BLOCK           |                                     |     |       |          |
| BRICK           | <input checked="" type="checkbox"/> | 1   | .75   |          |
| CONC. RINGS     |                                     |     |       |          |

|                                                            |       |
|------------------------------------------------------------|-------|
| DEPTH FROM<br>BOTTOM OF M.H.                               | ELEV. |
| TO TOP OF CASTING                                          | 7.0   |
| DISTANCE<br>FROM HIGHEST<br>FLOW LINE TO<br>TOP OF CASTING |       |
| ETC.                                                       |       |
| INV.                                                       |       |

SIZES OF ALL  
PIPES AND  
DIRECTION OF  
FLOW

|                 |       |
|-----------------|-------|
| DESIGN          |       |
| ELEVATION - TOP | 61.08 |
| FINAL ELEVATION |       |
| DIFFERENCES     |       |

ADJUST  
  
RECONSTRUCT





# STRUCTURAL DATA TYPE

STORM



ELECTRIC

WATER

SANITARY

TELEPHONE

OTHER

STATION

RIGHT

LEFT

SIZE

26 + 70

55

INCH CASTING

TYPE OF CONST.

BLOCK

BRICK



SECTIONAL

COMMENTS

Wooden surface drain

ADJUSTING RINGS

TYPE

NO.

DEPTH

COMMENTS

BLOCK

BRICK



1.2

CONC. RINGS

DEPTH FROM  
BOTTOM OF M.H.

ELEV.

TO TOP OF CASTING

9.0

DISTANCE

FROM HIGHEST

FLOW LINE TO

TOP OF CASTING

3.0

ETC.

INV.

SIZES OF ALL

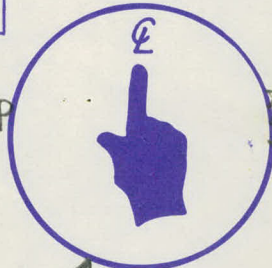
PIPES AND

DIRECTION OF

FLOW

36" rcp  
← ←

36" rcp  
← ←



DESIGN

ELEVATION - TOP

FINAL ELEVATION

DIFFERENCES

ADJUST

RECONSTRUCT

15" rcp