

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PARTIAL Survey

Old 8

From S. of "D" To N. of "D"

Road Acc't. No. 77 Dr 9

Date Filed 1-22-1975 File BK 77

RG
DK
BP
ME

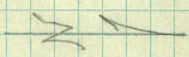
June 30, 1972
Clear 70°

Additional

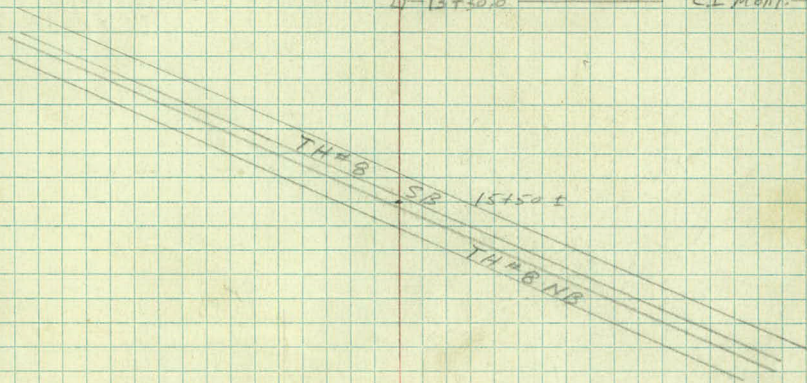
TOPOGRAPHY

Co. Rd "D" & T.H. 8

Co Rd "D"



D-13+30.0 Long Lake Rd C.I. MONT.



Lt

E

Rt

15+00

$$+81 \quad \begin{array}{r} \text{H.H. \#1} \\ \hline 30 \end{array}$$

$$+65 \quad \begin{array}{r} \text{H.H. \#9} \\ \hline 36 \end{array}$$

$$+44 \quad \begin{array}{r} \text{H.H. \#10} \\ \hline 29 \end{array}$$

14+00

$$+55 \quad \begin{array}{r} \text{H.H. \#15} \\ \hline 27 \end{array}$$

+30 E CIMont

13+00

June 30, 1971

Lt

L'

Rt

2

H.H. #1 □

□ H.H. #9

□ H.H. #10



□ H.H. #15

L Long Lake Rd □

Lt

Z

Rt

17+00

16+00

+30 H.H. #2
 71
 +21 H.H. #1A
 94

15+00

June 30, 1972

Lt

L

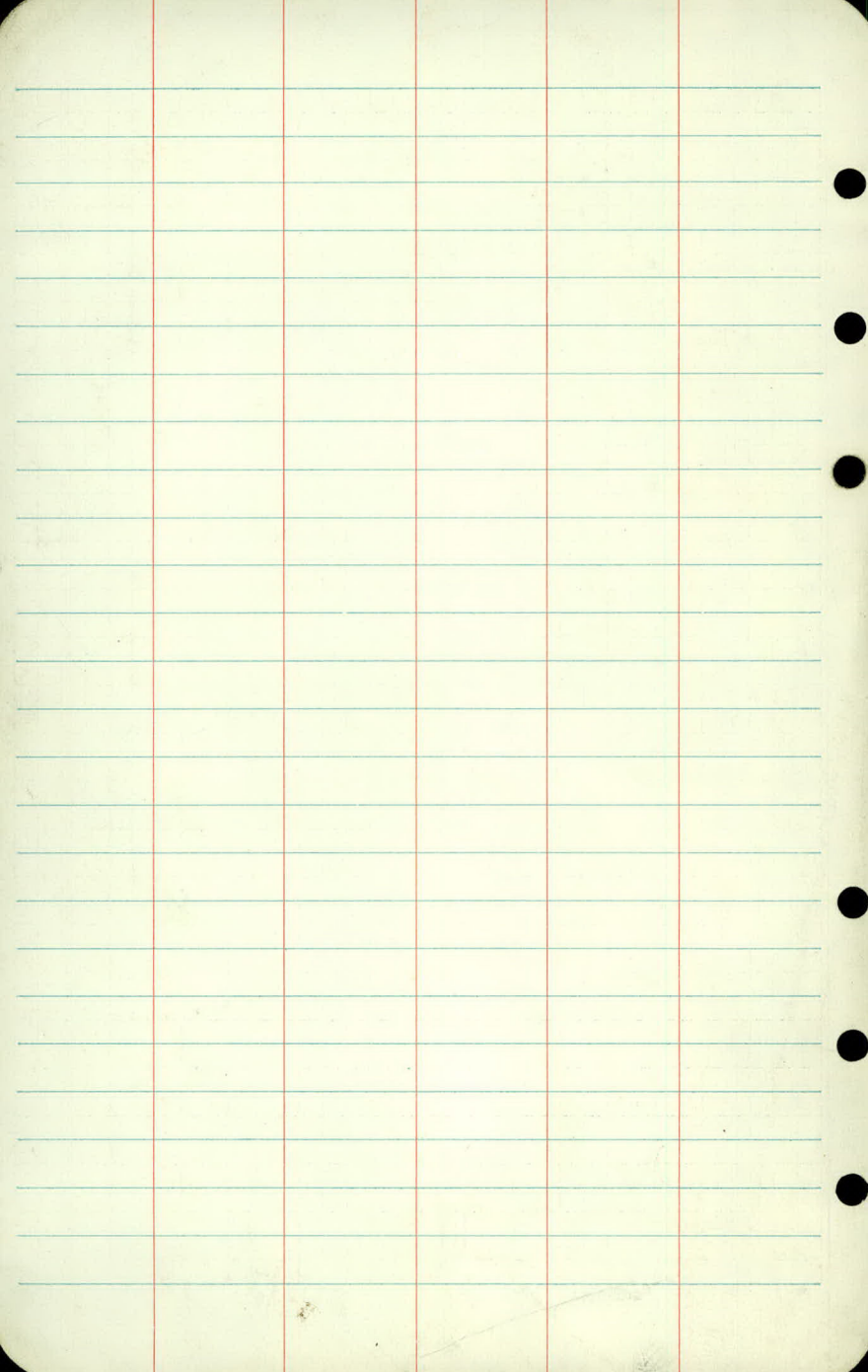
Rt

3

N

H.H. #2 B

H.H. #1 A D



1
Old Highway # 8
and
Co Rd "D"

Alinément 1-

$$42 + 53.27$$

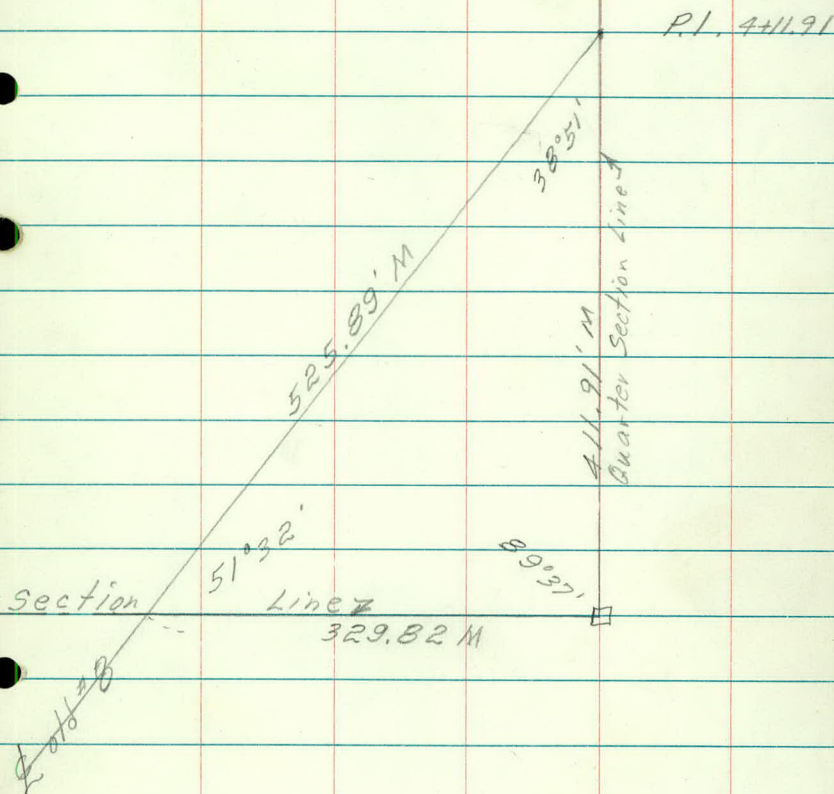
$$41 + 85.30$$

$$67.97$$

FK
LPD
DK

May 25, 1972

2



Sta	Point	ΔL	ΔR
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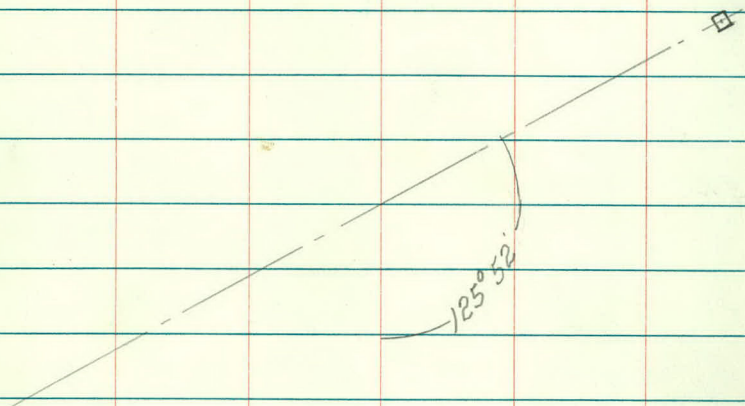
37+12.12	P.O.T.		
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33+0000	P.I.	$2^{\circ}35'15''$	
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FK
DR
BP
CG

June 16, 1972
Overcast 62°

3



P.K. nail

Sta Point ΔL ΔR

+46.00 P.T. $16^{\circ}25'$

45 $15^{\circ}16'$

+50 $14^{\circ}01'$

44 $12^{\circ}46'$

+50 $11^{\circ}31'$

$\Delta = 32^{\circ}50'$

43 $10^{\circ}16'$

$\frac{1}{2}\Delta = 16^{\circ}25'$

+50 $9^{\circ}01'$

$D = 5^{\circ}$

42+2706 P.I. $32^{\circ}50'$

$T = 337.73$

42 $7^{\circ}46'$

$L = 656.67'$

+50 $6^{\circ}31'$

$R = 1145.92'$

41 $5^{\circ}16'$

+50 $4^{\circ}01'$

40 $2^{\circ}46'$

+50 $1^{\circ}31'$

39 $0^{\circ}16'$

38+89.33 P.C. $0^{\circ}00'$

FK
DR
BP
CG

June 16, 1972
Overcast 60°

4

P.K. nail

Sta Point Δ Lt Δ Rt

P.I. = $0/10$ Long Lake Rd $10 + 68.38 = 50 + 42.35$ Old Hwy 8

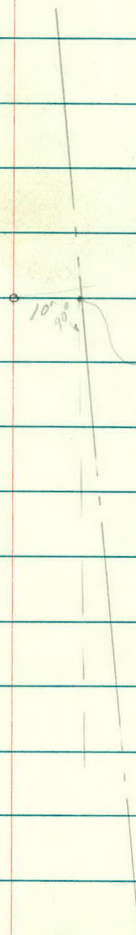
$48 + 60.16$ P.I. $3^{\circ} 26'$

FK
DR
BP
CG

June 16, 1972

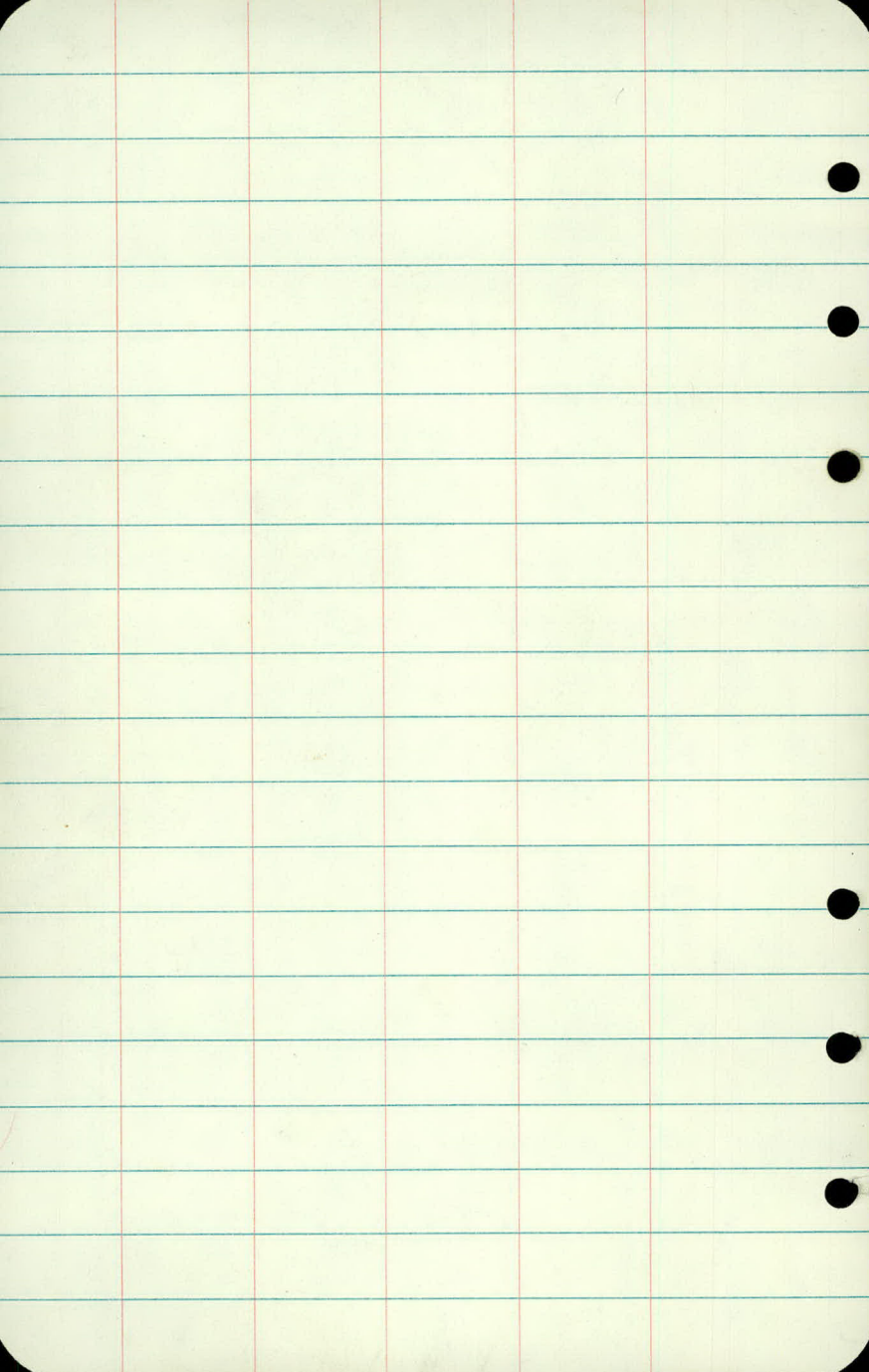
5

$$\begin{array}{r} 5074176 \\ 59 \\ \hline 42.35 \end{array}$$



Drill hole

$$\begin{array}{r} 1067.89 \\ 59 \\ \hline 1068.38 \end{array}$$



FK
DR
CG
Glenn
Mike

June 20, 1972

6a

62-677-01 CTB

TOPOGRAPHY

$$\frac{Bit}{47}$$

$$+12 \frac{MH}{17}$$

44

$$\frac{Bit}{38}$$

$$+97 \frac{Light}{10}$$

$$+81 \frac{Light}{14}$$

$$+88 \frac{Sign}{7-16}$$

$$+60 \frac{Edge Ent}{\Phi}$$

$$+50 \frac{Cor Ent}{26}$$

$$+35 \frac{WGV}{6}$$

$$+28 \frac{Edge Ent}{\Phi}$$

43

$$\frac{Bit}{84}$$

$$+66 \frac{Sign}{51}$$

$$+50 \frac{Corner Sign}{118}$$

42

76

$$\begin{array}{r} \text{Bit} \\ +50 \quad 59 \\ \hline \end{array}$$

45

$$\begin{array}{r} \text{Bit} \\ 50 \\ \hline \end{array}$$

106 NH
29

FK
DR
CS
Glenn
Mike

June 20, 1972

8c

PARKING

15

+76 S.W. Cor Control
29

+87 Signal
29

+72 Arch Light
21

+75 Signal
31

+33 PP
28

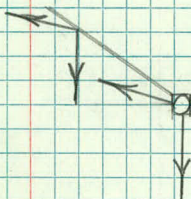
Co Rd "D"

14

FK
CG
DR
Mike
Glenn

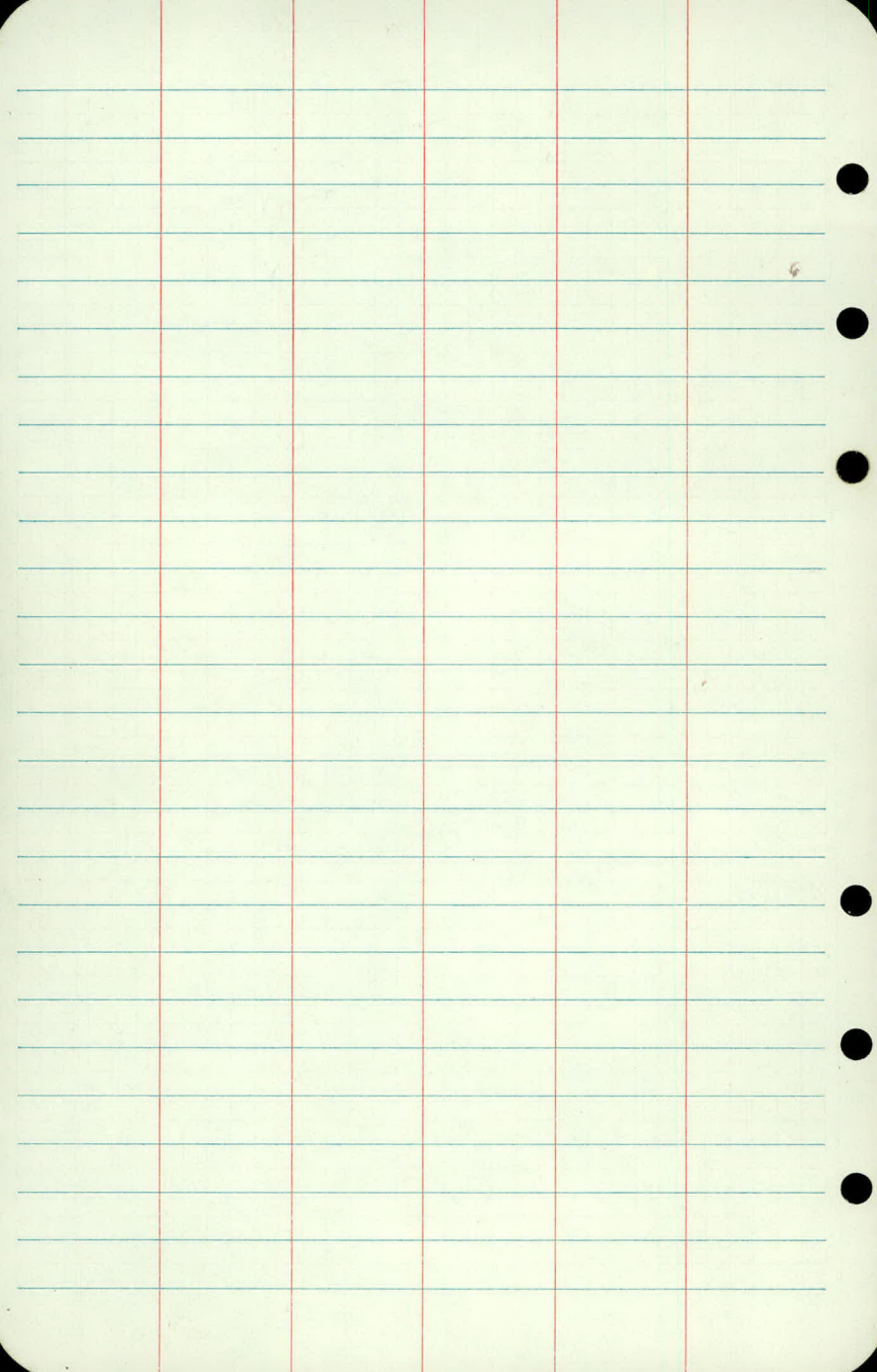
June 20, 1972

9d



Power Source





R6
DK
BP

June 29, 1972
clear 75°

1

Additional

TOPOGRAPHY

Co. Rd. "D"

LT

9'

$$\begin{array}{r}
 \checkmark \\
 \text{SE Cor Bldg} \quad \text{End SW} \\
 +36 \quad \underline{102} \quad +36 \quad \underline{94} \\
 \text{BR} \quad \text{POR} \quad \checkmark \\
 +20 \quad \underline{24} \quad +26 \quad \underline{27} \quad +23 \quad \underline{35}
 \end{array}$$

6+00

$$\begin{array}{r}
 \checkmark \quad \checkmark \quad \checkmark \\
 \text{Pkg lot} \quad \text{Reg 8' SW} \quad \text{SW Cor Bldg} \\
 +14 \quad \underline{34} \quad +14 \quad \underline{94} \quad +14 \quad \underline{102}
 \end{array}$$

5+00

$$\begin{array}{r}
 \checkmark \\
 \text{Pkg lot} \\
 +90 \quad \underline{78-94} \\
 \checkmark \text{ER} \quad \checkmark \text{Cor Pkg lot} \\
 +78 \quad \underline{12} \quad +89 \quad \underline{34-54} \\
 \checkmark \text{ER} \quad \checkmark \text{ER} \\
 +69 \quad \underline{55} \quad +69 \quad \underline{78} \\
 \text{BR} \quad \checkmark \text{BR} \\
 +60 \quad \underline{32} \quad +60 \quad \underline{45} \quad +60 \quad \underline{82}
 \end{array}$$

$$\begin{array}{r}
 \checkmark \\
 +46 \quad \text{ER}
 \end{array}$$

$$\begin{array}{r}
 \checkmark \\
 \text{ER} \\
 +31 \quad \underline{28}
 \end{array}$$

$$\begin{array}{r}
 \checkmark \\
 \text{BR} \\
 4+00 \quad +16 \quad \underline{12} \\
 \text{SE Cor Garage (22x 282')} \\
 3497 \quad \underline{00-82}
 \end{array}$$

June 29, 1972

2
2

Lt

Bit Drive

42

1-5-B

P.D. Q. MKT.

122'

8' conc. sidewalk

PK 6 LOT

sec. conc. curb.

ENT.

Gar

22'

282'

$$\begin{array}{r}
 8700 \\
 +100 \\
 \hline
 \text{Cor Pkg lot} \\
 122
 \end{array}
 \qquad
 \begin{array}{r}
 +100 \\
 \hline
 \text{Curb} \\
 24
 \end{array}$$

$$\begin{array}{r}
 +75 \\
 \hline
 \text{Curb} \\
 24
 \end{array}
 \qquad
 \begin{array}{r}
 +75 \\
 \hline
 \text{Pkg lot} \\
 100
 \end{array}$$

$$\begin{array}{r}
 +50 \\
 \hline
 \text{Curb} \\
 24
 \end{array}
 \qquad
 \begin{array}{r}
 +50 \\
 \hline
 \text{Pkg lot} \\
 77
 \end{array}$$

$$\begin{array}{r}
 +25 \\
 \hline
 \text{Pkg lot} \\
 63
 \end{array}
 \qquad
 \begin{array}{r}
 +25 \\
 \hline
 \text{Curb} \\
 22
 \end{array}
 \qquad
 \begin{array}{r}
 +12 \\
 \hline
 \text{Bt + Pkg lot} \\
 63
 \end{array}
 \qquad
 \begin{array}{r}
 +12 \\
 \hline
 \text{SE cor Bldg} \\
 137
 \end{array}$$

$$\begin{array}{r}
 407 \\
 +100 \\
 \hline
 \text{Sign} \\
 49
 \end{array}
 \qquad
 \begin{array}{r}
 +12 \\
 \hline
 \text{Bt + Pkg lot} \\
 63
 \end{array}
 \qquad
 \begin{array}{r}
 +12 \\
 \hline
 \text{SE cor Bldg} \\
 137
 \end{array}$$

$$\begin{array}{r}
 7400 \\
 +100 \\
 \hline
 \text{Curb} \\
 20
 \end{array}
 \qquad
 \begin{array}{r}
 +93 \\
 \hline
 \text{E 5' SW} \\
 107
 \end{array}
 \qquad
 \begin{array}{r}
 +91 \\
 \hline
 \text{ER} \\
 20
 \end{array}$$

$$\begin{array}{r}
 +73 \\
 \hline
 \text{Cor. 1} \\
 \text{Pkg lot} \\
 63
 \end{array}
 \qquad
 \begin{array}{r}
 +77 \\
 \hline
 \text{POR} \\
 31
 \end{array}$$

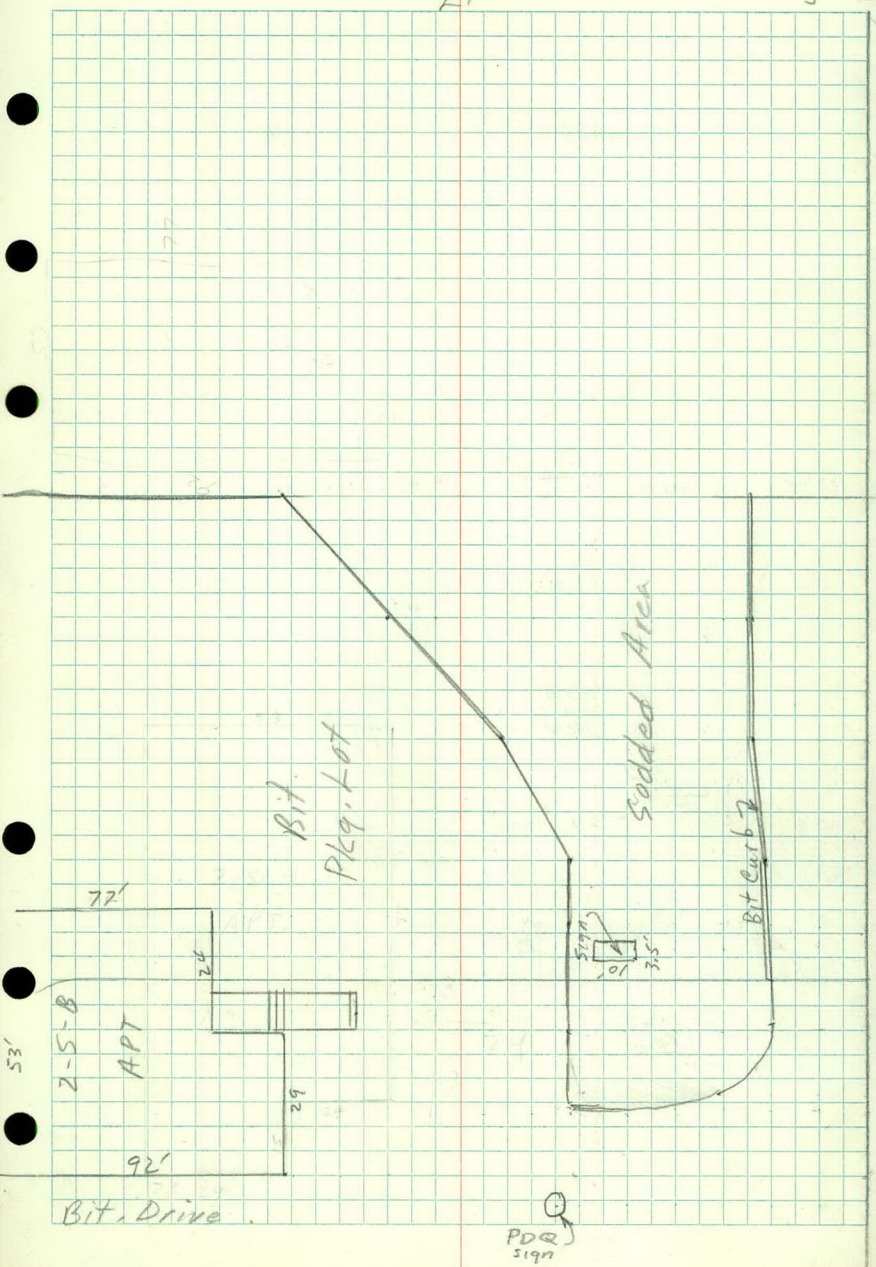
$$\begin{array}{r}
 +60 \\
 \hline
 \text{SW cor Bldg} \\
 122
 \end{array}
 \qquad
 \begin{array}{r}
 +54 \\
 \hline
 \text{Sign} \\
 65
 \end{array}$$

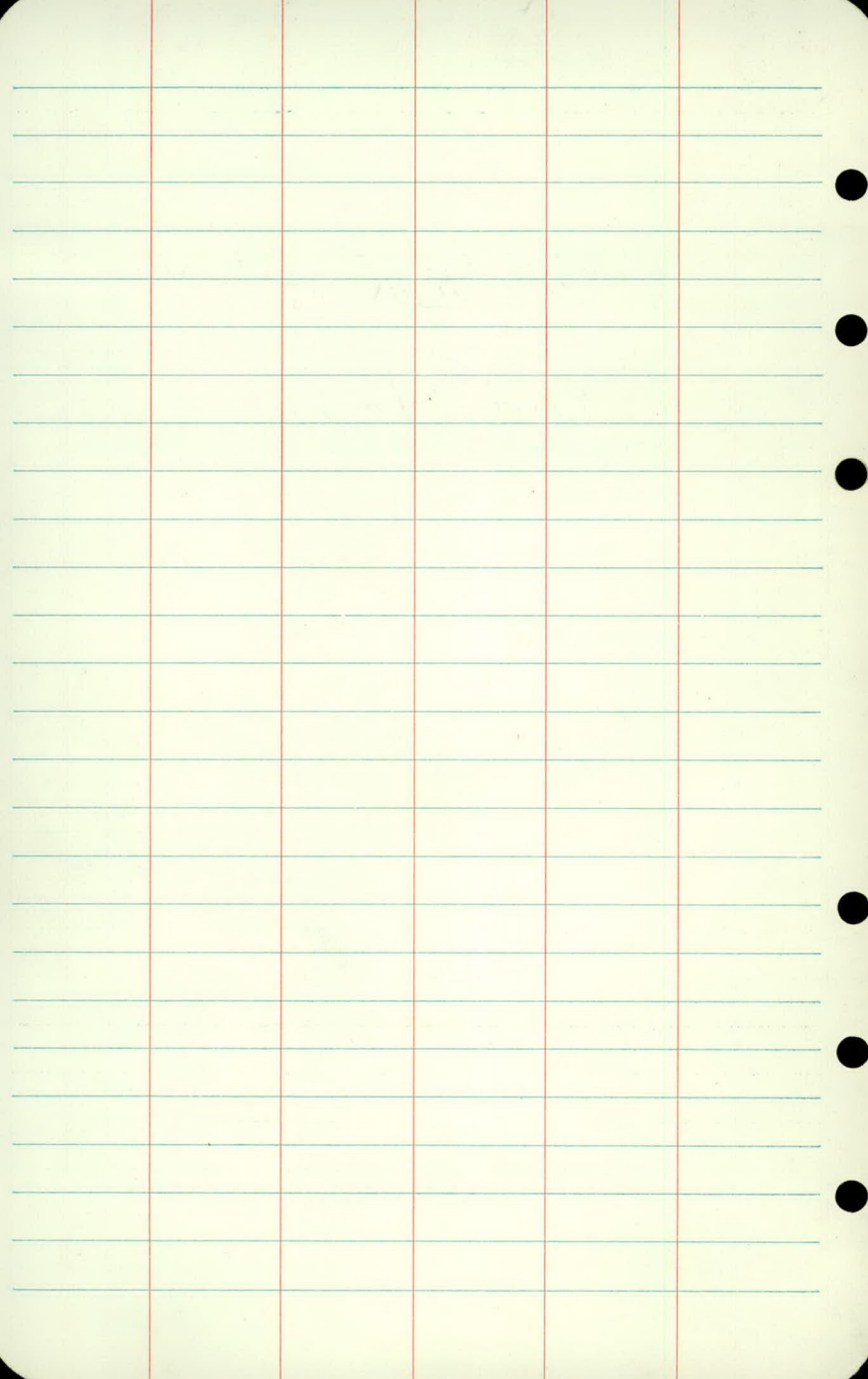
$$\begin{array}{r}
 6450 \\
 +54 \\
 \hline
 65
 \end{array}$$

June 29, 1972

Lt

3 2





RG
GA
DK
BP

June 29, 1972
clear 80°

4

Additional

TOPOGRAPHY

Old Hwy 8

Lt

E

Rt

45+00

two $\frac{\text{Pkg lot}}{55}$

two $\frac{\text{curb}}{16}$

+50 $\frac{\text{Pkg lot}}{47}$

RT+56

$\frac{\text{SECOR Bar}}{136}$

+50 $\frac{\text{curb}}{19}$

44+00

two $\frac{\text{Pkg lot}}{39}$

two $\frac{\text{SECOR Bar}}{138 \text{ Tie}}$

two $\frac{\text{curb}}{21}$

+77 $\frac{\text{BR}}{21}$

+60 $\frac{\text{BR+ No edge Ent}}{2}$
+55 $\frac{\text{Bit Cor}}{27}$

+50 $\frac{\text{curb}}{22}$

+28 $\frac{\text{So edge Ent}}{2}$

43+00

two $\frac{\text{Edge Bit.}}{83}$

two $\frac{\text{Sign}}{131 \text{ Tie}}$

+10 $\frac{\text{BR}}{23}$
two $\frac{\text{curb}}{23}$

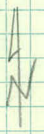
42+50

124 Tie

E4W = 12'
N+S = 2'

June 29, 1972

S
E



LX

E

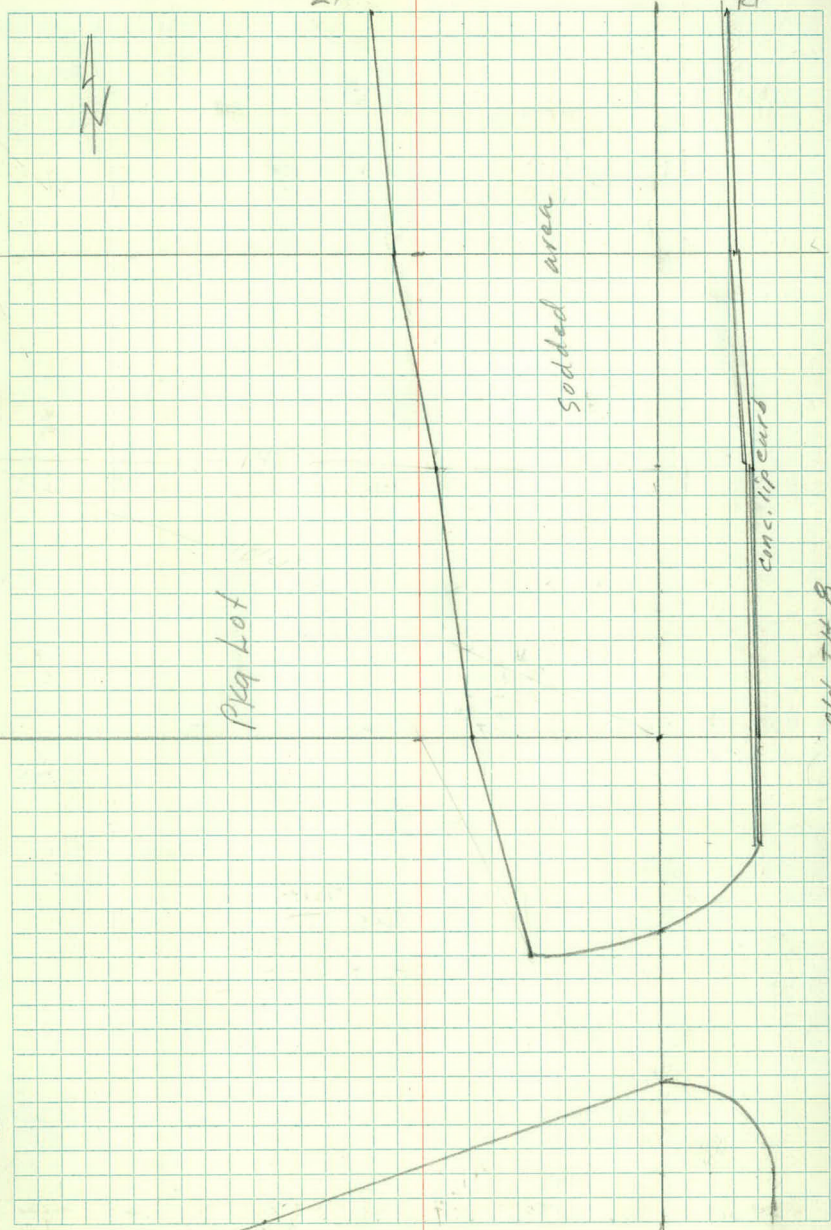
RT

Sodded area

Pkg Lot

conc. 1/2 cns

old TH 8



48+00

Lt

two Bit
90

Q

Rt

SECOR Bar

+83 173 RT

+71 BR 7

+73 ER 89

+81 BR 1

+50 curb 3

+50

SECOR Bar

171 Tie ER
+50 18

+67 BR 80

+73 Edge Bit @ E

+52 Edge Bit @ E

+33

cor Bit L Pt 101

+27 BR 80

+43 ER 75

+05 NE Cor Bldg 108 RT

SECOR Bldg

Bit v

+38 BR 4

+00 curb 6

47+00

+00 114 Tie

+00 73-89

+50 NE Cor Bldg 117 Tie

+50 Bit 67-85

+50 NE Cor Bar 120 Tie

+50 curb 9

+00 SECOR Bldg 111 Tie

+40 SECOR Bldg 105 RT

46+00

+00 NE Cor Bar 157 Tie

+00 Bit 64 ER 83

+00 curb 14

+79

BR PK9 lot cur 113

+79 PK9 lot 62

+50 NE Cor Bar 152 RT

45+50

+50 PH lot 59

+50 curb 15

June 29, 1972

Rt 6

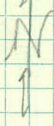
E

Lt

Sodded

Area

BIT. ENT.



Bit. Pkg Lot

APT

41.5'

Pkg Lot

Bit. Drive

Sodded Area

TH # 8

LT

RT

$$\begin{array}{r}
 +50 \quad \text{NE cor Bldg} \\
 \quad \quad 183 \text{ Tie} \\
 \quad \quad +40 \quad \text{cor Pkg lot} \\
 \quad \quad \quad \quad 102 \quad \text{RT} = 748
 \end{array}$$

$$\begin{array}{r}
 49+00 \quad +04 \quad \text{NE cor Bldg} \\
 \quad \quad \quad \quad 178 \text{ RT} \\
 \quad \quad \quad \quad \quad \quad \text{curb} \\
 \quad \quad \quad \quad \quad \quad \quad \quad \text{Bit} \\
 \quad \quad \quad \quad \quad \quad \quad \quad 98
 \end{array}$$

$$\begin{array}{r}
 +50 \quad \text{Bit} \\
 \quad \quad 94 \\
 +50 \quad \text{NE cor Bldg} \\
 \quad \quad 185 \text{ Tie} \\
 +50 \quad \text{conc curb} \\
 \quad \quad 3
 \end{array}$$

$$\begin{array}{r}
 48+00 \quad +00 \quad \text{Bit} \\
 \quad \quad \quad \quad 90 \\
 +00 \quad \text{SE cor Gar} \\
 \quad \quad \quad \quad 181 \\
 +00 \quad \text{curb} \\
 \quad \quad \quad \quad 9
 \end{array}$$

June 29, 1972

E

Rt 7

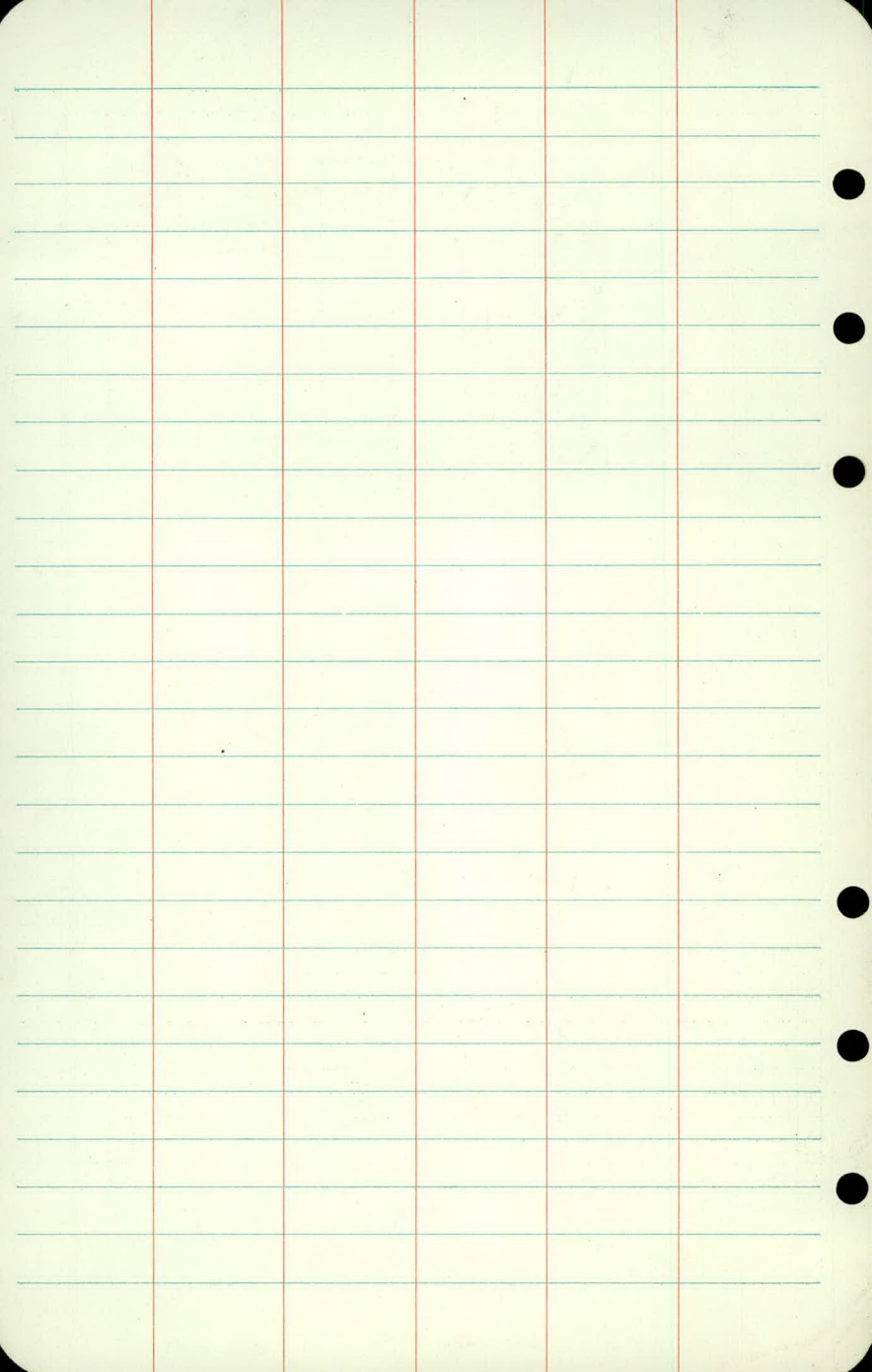
Lt 7

Bit Pkg Lot

Sodded

Area

TH #8



RG
DK
BP

June 28, 1972
cldy 65°

TOPOGRAPHY

Co. Rd. "D"

1
§

Old Hwy 8

Phillips 66 Service Station

2

RT

RT 2

✓
+01 conc ✓ +06 Lt pole ✓
46-77 49

11+00

✓
+81 conc ✓ +82 Cor Bldg ✓ RT=11+06
33-45 80

✓
+40 Cor Bldg ✓ +45 E. end /dank ✓
86 60
Lt. Pole
4x4 Base ✓ Cor Bldg ✓
+29 43 +27 98 +17 = R. Tie

+29 W. end pump island ✓ +25 conc ✓
62 Cor Conc ✓ Lt. pole
+10 51 +15 86 ✓

10+00

+76.12 = Int.

9+00

RT

37+00

$$\begin{array}{r} +33 \quad \text{Cor Conc} \\ \quad \underline{69} \quad RT = +42 \\ +30 \quad \text{No end island} \\ \quad \underline{81} \end{array}$$

$$\begin{array}{r} +13 \quad \text{So. End Island (9' x 17')} \\ \quad \underline{80} \\ \text{Cor Conc} \end{array}$$

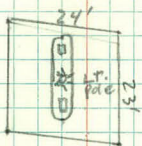
$$36+00 \quad +10 \quad \underline{68} \quad RT = +18$$

$$+31 \quad \text{Cor Conc} \quad \underline{93}$$

$$+08 \quad \text{Cor Conc} \quad \underline{92}$$

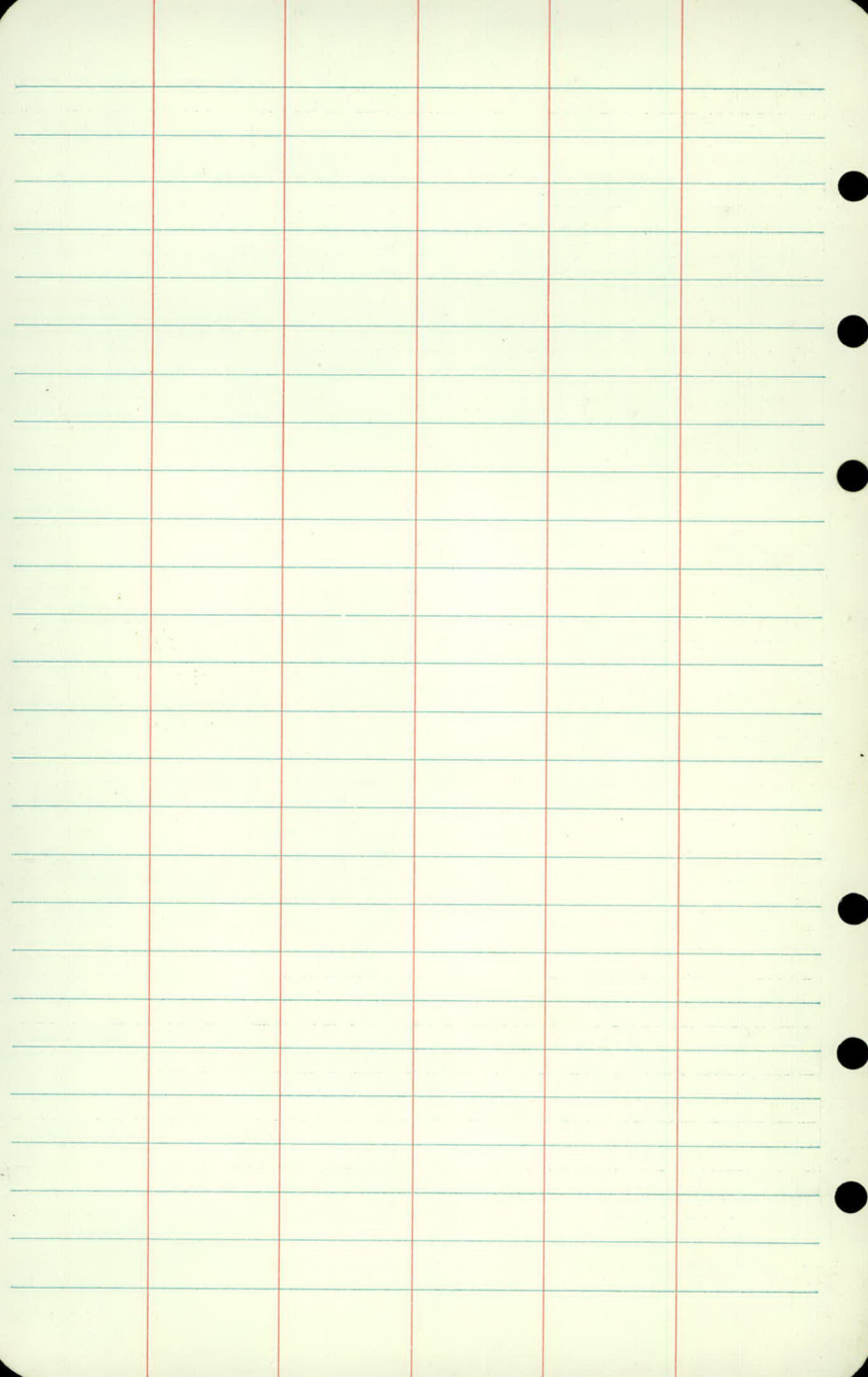
2

Rt



4
N

2 Old TH #3



RG
LPD
GA
BP
DR

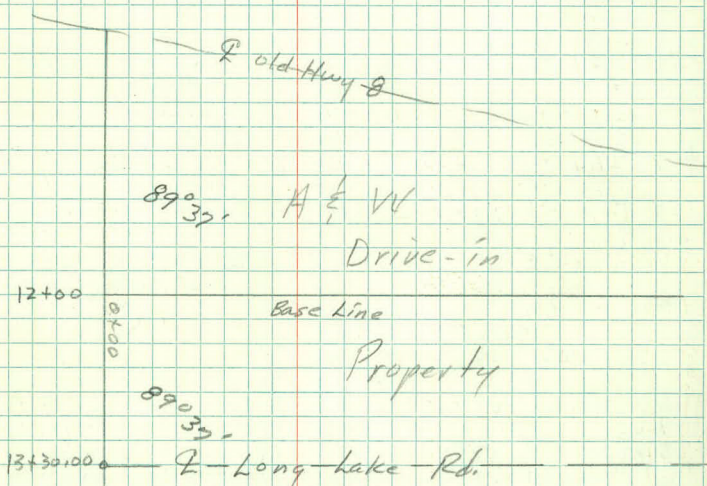
July 10, 1972
PC 800

1

TOPOGRAPHY

Co. Rd. "D" & Long Lake Rd.

A & W Drive-in



LT		R +41 Bush / Rt		Por +41 BR	
+50		+50 $\frac{Curb}{89}$ ✓	+46 $\frac{AR}{19}$ ✓	+50 $\frac{Por}{29}$ ✓	+41 $\frac{BR}{39}$ ✓
		+45 $\frac{Curb}{68}$ ✓	+24 $\frac{Speaker}{24}$ ✓	+37 $\frac{End}{91}$ ✓	
		+25 $\frac{Curb}{18}$ ✓	+25 $\frac{Speaker}{67}$ ✓	+37 $\frac{Speaker}{91}$ ✓	
		+13 $\frac{Bush}{2}$ ✓	+13 $\frac{Curb}{3}$ ✓	+18 $\frac{Speaker}{25}$ ✓	
		+05 $\frac{curb}{4}$ ✓	+05 $\frac{Curb}{5}$ ✓	+08 $\frac{Speaker}{67}$ ✓	+19 $\frac{curb}{25}$ ✓
2+00	+00		+00 $\frac{Curb}{2}$ ✓	+00 $\frac{Pkg Lot}{90}$ ✓	+01 $\frac{Speaker}{14}$ ✓
		+89 $\frac{Speaker}{66}$ ✓			
Curb Corner Pt					
+77	17	$\frac{Speaker}{16}$ ✓	$\frac{Por}{25}$ ✓	$\frac{BR}{29}$ ✓	
+60	16	$\frac{Curb}{28}$ ✓	+50 $\frac{Bush}{39}$ ✓	+50 $\frac{curb}{47}$ ✓	+82 $\frac{Bldg Cor.}{46}$ ✓
+50	28	$\frac{Lt pole}{36}$ ✓	+42 $\frac{Bush}{42}$ ✓	+42 $\frac{Speaker}{29}$ ✓	+69 $\frac{Cor canopy}{25}$ ✓
+42	36	$\frac{Speaker}{27}$ ✓	+25 $\frac{Speaker}{23}$ ✓	+36 $\frac{Bush}{43}$ ✓	+67 $\frac{canopy}{41}$ ✓
+07	27	$\frac{curb}{34}$ ✓	+13 $\frac{Cor Curb}{37}$ ✓	+13 $\frac{Cor Curb}{38}$ ✓	+70 $\frac{Cor S.W.}{41-45}$ ✓
+25	34	$\frac{Bush}{62}$ ✓	+24 $\frac{Bush}{54}$ ✓	+27 $\frac{1" Pine}{46}$ ✓	+70 $\frac{Bldg}{45}$ ✓
+19	62	1+00	+01 $\frac{Bush}{65}$ ✓	+00 $\frac{curb}{59}$ ✓	+33.5 $\frac{Bldg Cor.}{44}$ ✓
1+00		+49 $\frac{curb}{2}$ ✓	+42 $\frac{Speaker}{48}$ ✓	+00 $\frac{curb}{79}$ ✓	+65 $\frac{Cor S.W.}{39-41}$ ✓
+69	105	+63 $\frac{Bush}{103}$ ✓	+63 $\frac{Bush}{96}$ ✓	+63 $\frac{Bush}{79}$ ✓	+27 $\frac{Cor S.W.}{38}$ ✓
+63	103	+53 $\frac{1" Pine}{100}$ ✓	+57 $\frac{1" Pine}{91}$ ✓	+58 $\frac{Bush}{75}$ ✓	+32 $\frac{Cor. Bldg}{72}$ ✓
+53	100	+58 $\frac{1" Pine}{82}$ ✓	+52 $\frac{Bush}{75}$ ✓	+55 $\frac{Bush}{77}$ ✓	+26 $\frac{Cur S.W.}{72}$ ✓
+58	75	+44 $\frac{Twil Pine}{16.5}$ ✓	+45 $\frac{Bush}{8}$ ✓	+45 $\frac{curb Por}{110}$ ✓	+25 $\frac{end sect. cone curb}{90}$ ✓
+44	16.5	+45 $\frac{curb}{68}$ ✓	+45 $\frac{Por}{30.5}$ ✓	+45 $\frac{1" Pine}{27.5}$ ✓	+34 $\frac{Bag 90' sections}{90}$ ✓
+45	68	+45 $\frac{P. Juniper}{77}$ ✓	+43 $\frac{P. Juniper}{84}$ ✓	+24 $\frac{R}{2}$ ✓	+69 $\frac{Canopy}{20}$ ✓
+45	77	+47 $\frac{P. Jun.}{91}$ ✓	+45 $\frac{P. Jun.}{97}$ ✓	+48 $\frac{P. Jun.}{104}$ ✓	+67 $\frac{Canopy}{52.5}$ ✓
+47	91	+45 $\frac{Lite Pole}{69}$ ✓	+51 $\frac{Pole (Electric outlet)}{81}$ ✓		+61 $\frac{Lt pole + sign}{85}$ ✓
0+00	+59				+68 $\frac{Bag Posts 6' apart}{99}$ ✓

Lt

R

Rt

2

	Q	DS	
✓ Curb		✓ curb	
+65 66		+49 49	
✓ curb & curb		✓ Bush	
+67 97		+68 102	
+80 ✓ conc curb		✓ C. curb	
31		+81 39	
✓ R.R.		✓ Cor	✓ curb & hwy
+84 64		+84 97	+84 97
✓ speaker		✓ Bush	✓ 1" Pine
+88 32		+93 81	+98 72
✓ B.R.		✓ P.O.R.	✓ E.R.
+50 21		+32 42	+24 37

E. Co. Rd. "D"

N

5+00

Lt

Rt

Rt

4+00

3+00

2+50

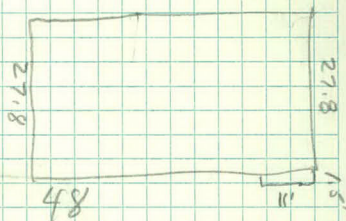
+74 ^{core carb} BR102 ✓
+68 90 ✓ +74 ER ✓
93 ✓

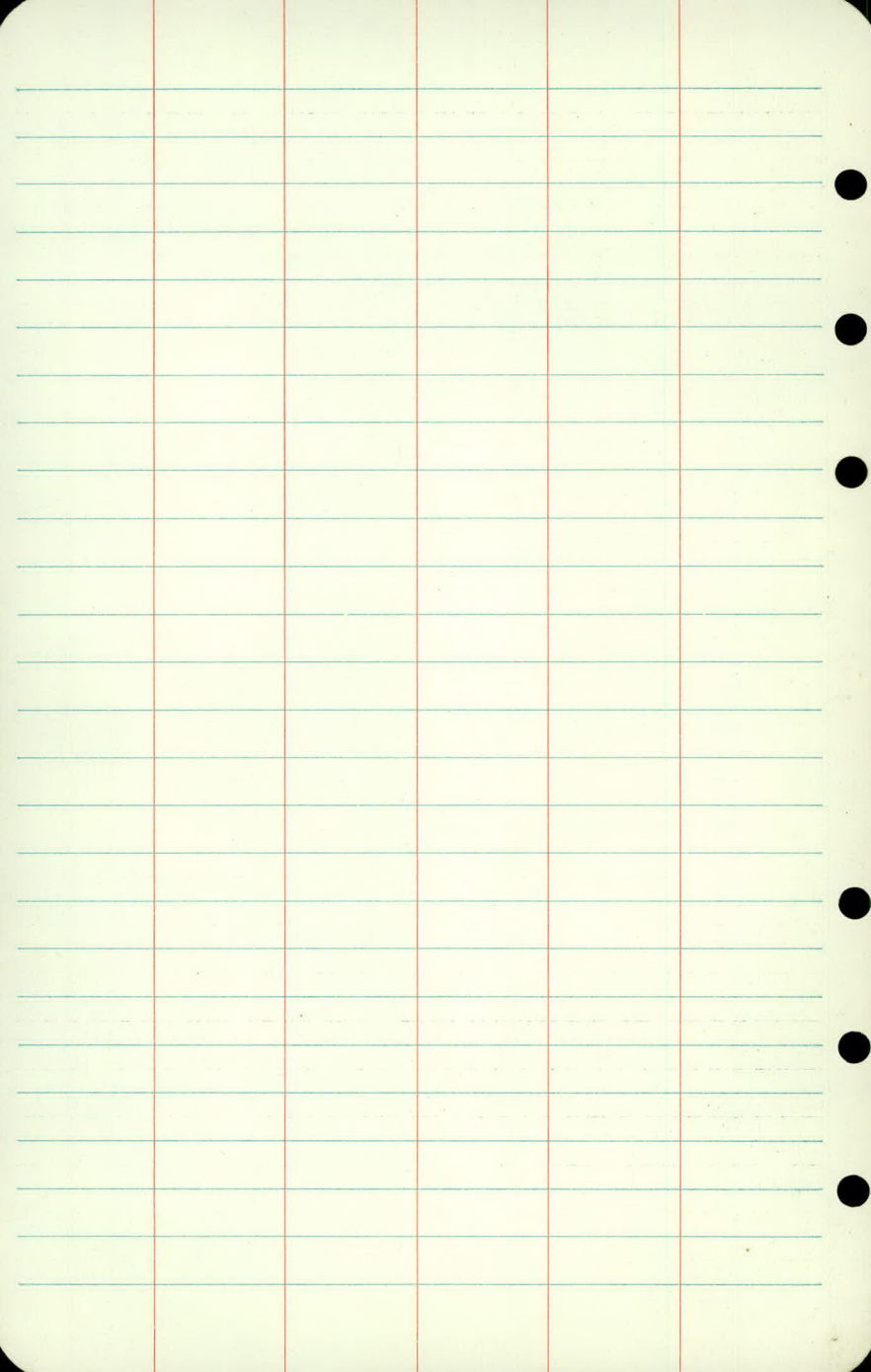
L+

Z

R

3





RG
GA
BP

July 11, 1972
Occult rain - 650

Topography

Long Lake Rd

0400 = Co Rd "D"

5+00

LT

L

RT

$$+50 \overset{\text{curb}}{\underline{5.5}} +50 \overset{\text{curb}}{\underline{32}}$$

$$4+00 +00 \overset{\text{curb}}{\underline{8.5}} +00 \overset{\text{curb}}{\underline{48}}$$

$$\begin{array}{r}
 \overset{\text{curb}}{+50 \ 64} \\
 \overset{\text{POR}}{+25 \ 13.5} \\
 +15 \ 29
 \end{array}
 \begin{array}{r}
 \overset{\text{curb LPT}}{+31 \ 72} \\
 \overset{\text{ER}}{+33 \ 12} \\
 \overset{\text{BR}}{+19 \ 29}
 \end{array}
 \begin{array}{r}
 \overset{\text{curb.}}{+50 \ 11} \\
 \overset{\text{POR}}{+19 \ 17.5} \\
 \overset{\text{curb}}{+19 \ 17.5}
 \end{array}$$

$$3+00 +00 \overset{\text{BT}}{\underline{57}} +00 \overset{\text{curb}}{\underline{85}}$$

$$+83 \overset{\text{BT}}{\underline{78}} +87 \overset{\text{ER}}{\underline{92}} +90 \overset{\text{BT}}{\underline{69}}$$

$$+74 \overset{\text{BR}}{\underline{89}} +83 \overset{\text{POR}}{\underline{93}} +84 \overset{\text{ER}}{\underline{29}}$$

$$+50 \overset{\text{curb}}{\underline{14}} +69 \overset{\text{BR}}{\underline{14}}$$

$$2+00 +00 \overset{\text{curb}}{\underline{14}}$$

$$1+00 +00 \overset{\text{curb}}{\underline{74}}$$

$$+32 \overset{\text{ER}}{\underline{14}}$$

$$+24 \overset{\text{BR}}{\underline{26}}$$

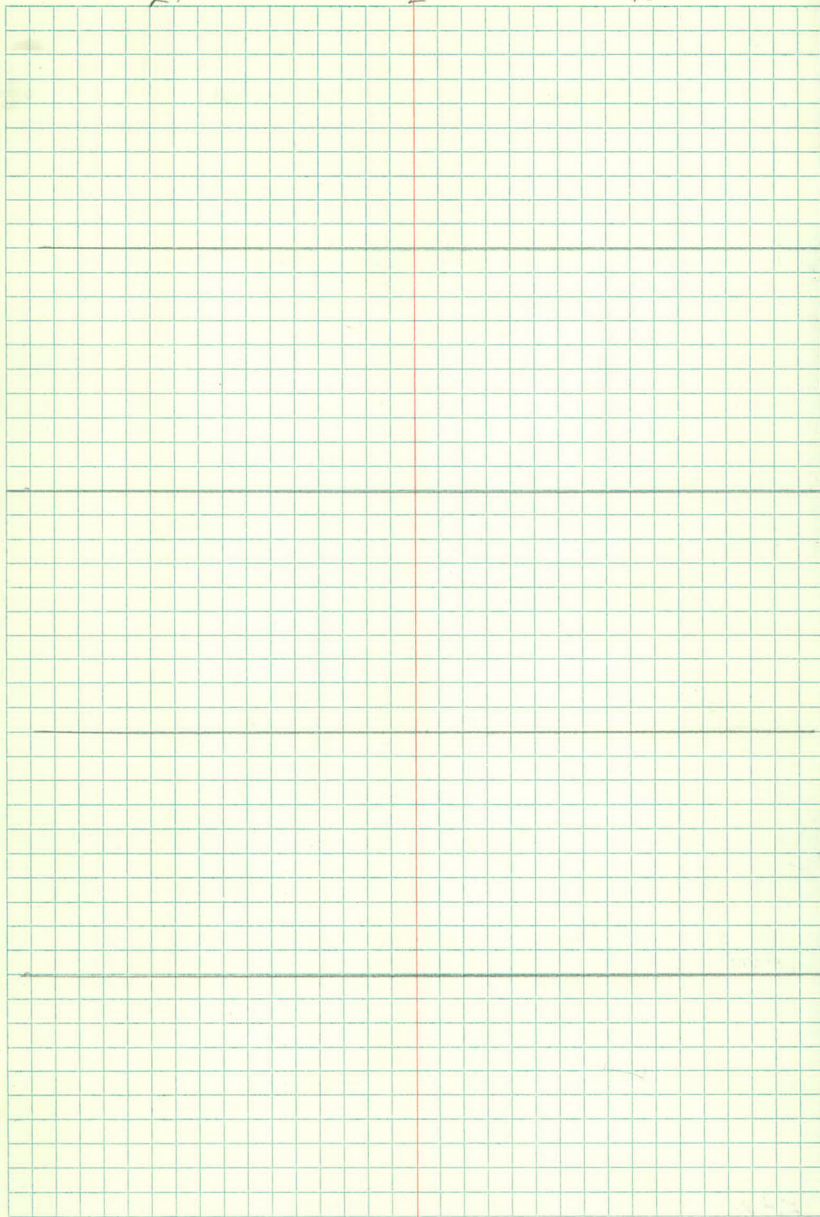
$$0+00$$

Lt

£

Rt

2



Lt

2

Rt

6+00

+55 ^{curb} 2' Lt Rad
^{curb} 2' 4'

+50

2

+00

4

5+00

400

^{curb} 3

+00

^{curb} 17

FK
BP
DR
CG

June 16, 1972

10

X-Sections

B.M.

945.76

(ADD 2')

37

+50

38

+50

✓

L+

E

Rt.

11

Top Hyd West side CSAH No 77 at N. End A & W

48.8 48.8 47.9 47.9 47.8 47.9 47.7 47.9 48.1
60 40 20 5 25 34 50 60

49.4 49.0 49.1 49.4 49.1 48.9 48.9 48.9 48.3 48.4 48.1 47.8
66 51 43 28 21 5 3 4 23 43 58

48.8 48.8 48.4 48.5 48.6 48.7 48.9 48.4 48.3
42 28 21 12 4 4 5 12

48.1 47.9
53 60

- 47.6 48.1 48.7 49.3 48.8 48.5
60 54 53 39 38 23

47.9 48.1 47.6 47.6 48.0 48.4 48.5 48.0 48.5
26 21 16 6 4 7 10 27

48.6 49.2
43 60

- 49.0 49.0 49.6 49.3 48.8
63 59 58 51 50

39

(ADD 2')

+50

40

L+

E

R+

12

47.8	47.2	46.6	47.2	47.3	47.4	47.4	48.2	49.1
38	22	10	3		8	12	30	51

47.6	48.8		- 49.1	49.6	49.2	49.4	49.6
49	60		89	69	68	60	52

48.2	47.5	47.0	45.8	45.8	46.3	46.6	46.7	46.6
60	46	34	16	7		7	15	16

					TC			
- 49.2	48.9	49.4	49.2	48.4	48.8	47.6		
80	72	70	69	56	55	31		

45.8	45.6	44.5	44.5	45.0	45.4	45.7	45.6
24	17	10	4		12	18	19

46.4	46.7	47.9		- 48.9	48.2	48.0	47.2
31	43	62		80	63	50	37

+50

(ADD 2')

✓

✓

41

✓

✓

40+50

Lt.

Q ✓

Rt

13

45.5	45.5	44.8	44.1	44.3	44.1	44.6	44.5
56	42	25	8		9	20	21

→ 45.5
75

47.9 47.3 46.1
62 61 39

→ 47.6 48.1 47.6 48.1
73 74 75 97

41+00

✓

44.3	44.0	41.6	41.4	41.7	42.3	42.6	43.6	43.
22	13	8	4		5	10	22	23

→ 44.8 45.5 45.7
39 59 82

46.4 47.0 46.3 44.8
68 62 61 38

→ 46.0 46.1 45.4
84 86 94

+50

790
0.2.1
7.69

945.76
7.69
953.45

945.76
7.78

952.74
3.53

953.74
0.32

950.2 ££

953.42

Lenker Rod

41+50

✓

✓

42

✓

✓

FK
CG
DR
Glen
Mike

Lt.

June 20, 1972

Rt.

15

44.9	44.5	42.9	43.1	43.2	43.7	44.5	44.3
15	8	2		6	14	23	24

45.6	45.5	46.0	46.9	47.6	47.0	45.4
36	50	62	73	61	60	39

46.5
85

44.5	44.3	43.8	43.0	42.9	42.4	42.5	42.9
35	20	4	1		2	8	14

44.7	45.5	44.2	43.3	43.4
50	62	39	25	23

44.5	46.1	45.7	45.6
56	57	76	88

+50

✓

✓

43

✓

✓

✓

44.0	43.3	43.1	42.9	42.9	42.0	42.4
38	19	5		7	11	14

→ 44.0 44.2
54 62

43.5 42.3 42.4
39 25 24

→ 44.6 45.2 45.1 45.0
54 55 70 81

42.9 42.6 42.2 41.8 41.7 41.4 40.9 41.2
51 33 16 4 7 10 11

→ 42.9
67

43.7 42.4 41.4
54 37 23

→ 44.2 44.4 44.4 43.9
55 63 69 70

→ 43.6 43.3
79 85

+50

✓

✓

✓

44

✓

T.P.

M.H. (Storm)

39.10

FK
OR
CG

Lt.

June 20, 1972 Rt.

17

m. ke
Glenn 42.0 41.8 41.5 41.1 40.6 40.4 40.4 40.2
68 47 27 14 15 22 23

43.2 42.6 41.4
55 54 43

43.1 42.6 42.5
57 58 66

40.4 42.3 42.34
80 73 70

40.8 40.6 40.5 40.0 39.8 39.6 39.3 39.2 39.5
39 37 20 4 9 15 18 21

40.5 40.4 40.6 41.4 41.6 40.6 39.4
58 74 91 58 49 36 22

41.5 39.7 38.4
61 67 71

14+50

✓

M. H.

38.54

45

✓

✓

+46

FK
Mike
CG
DK
Glenn

Lt.

£

June 20, 1972

Rt.

18

400 403 403 39.8 394 390 38.7 38.6 38.5 39.8
(66 48 47 32 13 7 19 20 35
Bit

39.9 39.9
81 100

38.5 39.6 40.3 41.1 40.9
72 67 64 56 50

39.8 39.8 39.7 39.2 38.8 38.3 38.2 38.0 37.9 37.9
76 56 54 40 18 5 6 13 16

39.7
94

39.4 39.8 39.0 37.7
61 45 33 17

39.7 39.4 39.4
63 74 86

39.2 39.0 38.7 38.3 37.7 37.6 37.3 37.2 38.1
59 58 40 20 6 15 16 30

39.4 39.4
82 95

38.9 38.8 38.6 38.5 38.7
98 87 71 56 42

Lenker Rod

46

✓

✓

+50

✓

✓

FK
OR
CG

Lt.

June 20, 1972

Rt.

19

Glenn
Mike

39.6 38.5 37.9 37.0 36.9 36.7 37.3 37.6
60 38 20 12 13 26 38

→ 39.6 39.7 39.6 37.6 37.2 37.8 37.6
64 76 84 65 60 51 48

40.3 39.8 → 37.5
100 87 78

40.1 39.4 38.3 37.2 36.6 36.5 36.3 36.5
66 56 39 22 9 10 23

→ 40.6 37.2 36.9 36.7
75 47 45 36

→ 36.3 36.3 36.5
51 64 82

Lenker Rod

47

+50

48

FX
OR
CG
Mike
Glenn

LT.

✓

June 23, 1972

RT

20

39.5	38.1	36.9	36.2	36.0	36.2	36.0	35.8	35.9	35.9
63	49	30	12	3		6	7	19	34

39.7	40.0	40.1	40.2		-34.8	35.0	36.1	35.8	←
→ 70	74	80	87		70	54	46	35	

✓

37.8	37.4	36.3	35.8	35.8	35.7	35.5	35.3	35.5	35.2
75	67	46	26	7		3	4	16	29

→ 38.5					- 32.2	32.9	34.0	35.2	35.3	←
88					76	62	49	42	30	

✓

35.5	35.3	34.8	34.6	34.8	34.8	35.0	34.8	35.0	
52	48	32	11		1	13	27	28	

→ 36.7	37.6				- 32.3	33.7	34.7	←	
68	83				78	58	41		

Lenker Rod

48 + 50

✓

✓

B.M. N.E. Corner Conc. Slab 940.11
Apt. No. 804

BM 1.93 942.04

940.11

TP 3.48 938.77 6.75 935.29

50 + 50

✓

FK
DR
CG
Mike
Glenn

Lt.

2

June 23, 1972

Rt 21

34.2	34.5	34.7	34.5	34.5	34.7	34.5	34.6	34.4
16	4	3	2		10	23	24	25

34.5	34.3	35.0	36.3	-	31.3	31.5	31.6	32.3	34.4
31	43	58	70		66	58	52	46	36

37.8 37.4
95 90

N.E. COR CONC. SLAB APT. No. 804
TOP HYD. S.W. COR 6TH ST, SW E' OLD 8

34.87	34.27	34.07	34.56	34.36	34.45	34.62	34.42	34.56
3.9	4.5	4.7	4.2	4.4	4.32	4.15	4.35	4.21
61	37	16	4	3		13	23	24

36.37
2.4
71

30.77	31.07	31.61	34.17
8.0	7.7	7.1	4.6
75	62	46	36

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

		938.77		
--	--	--------	--	--

51+00				
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✓				
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+50				
-----	--	--	--	--

✓				
---	--	--	--	--

52+00				
-------	--	--	--	--

✓				
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TP	1.28	936.57	3.48	935.29
----	------	--------	------	--------

KP GF
DS DR
LPD

LT

E

26 JUNE 1972 22.
RT

31.27	33.87	33.87	34.13	33.94	34.00	34.13	33.99	34.12
7.5	4.9	4.9	4.64	4.83	4.77	4.64	4.78	4.65
40	28	15	4	3		13	23	24

33.87	35.87
4.9	2.9
60	75

30.77	30.77	31.97	34.07
8.0	8.0	6.8	4.7
75	65	46	35

34.77	33.27	33.47	32.74	33.54	33.63	33.77	33.61	32.98	32.87
4.0	5.5	5.3	5.03	5.23	5.14	5.00	5.16	4.99	5.9
58	35	17	4	3		13	23	24	45

36.07
2.7
75

31.17	31.87
7.6	6.9
75	62

34.67	33.37	32.97	33.40	33.23	33.22	33.32	33.25	33.42
4.1	5.4	5.8	5.37	5.54	5.55	5.45	5.52	5.35
61	39	18	4	3		13	23	24

34.97
3.8
75

30.57	30.87	31.57	33.47
8.2	7.9	7.2	5.3
75	68	46	37

TOP HYD. SW Cor 6TH ST SW

STA + π - ELEV.

936.57

52+50

✓

+72 = GUTTER (LT)

✓

+88 = $\neq$ 6TH ST S.W.

✓

32.77	32.67	32.87	32.99	32.85	32.84	32.94	32.96	33.04
3.8	3.9	3.7	3.58	3.72	3.73	3.63	3.71	3.53
48	31	14	4	3		13	23	24

33.07		29.27	29.27	30.37	33.07
3.5		7.3	7.3	6.2	3.5
75		75	69	47	35

31.81	32.03	32.23	32.57	32.64	32.69	32.75	32.65	32.83	32.77
4.76	4.54	4.34	4.0	3.93	3.88	3.82	3.92	3.74	4.0
100	58	33	16	3		13	23	24	35

31.54	30.95		28.87	28.97	29.97
5.03	5.62		7.7	7.6	6.6
113	174		75	64	47
	CB				

31.87	32.07	32.27	32.47	32.53	32.54	32.65	32.51	31.67	32.27
4.7	4.5	4.3	4.1	4.04	4.03	3.92	4.06	4.90	4.3
100	80	54	28	3		13	23	24	36

31.37	31.47		29.17	29.97
5.2	5.1		7.4	6.6
150	200		75	53

STA	+	T	-	ELEV.
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		936.57		
--	--	--------	--	--

53+03	=	GUTTER	LT	
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✓				
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+18				
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✓				
---	--	--	--	--

+50				
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✓				
---	--	--	--	--

TP	3.61	934.56	5.62	930.95
----	------	--------	------	--------

OKPK

31.92	32.29	32.37	32.42	32.48	32.54	32.42	32.58
4.65	4.28	4.2	4.15	4.09	4.03	4.15	3.99
68	32	23	3		13	23	24

31.73	31.65	31.40	30.73		30.37	30.97	32.17
4.84	4.92	5.17	5.84		6.2	5.6	4.4
90	100	134	174		75	55	34

CB

30.97	29.85	30.77	31.97	32.21	32.28	32.37	32.26	32.45	32.37
5.6	6.72	5.8	4.6	4.36	4.29	4.20	4.31	4.12	4.2
73	54	36	13	3		13	23	24	33

FLCB

30.67	30.77	30.77
5.9	5.8	5.8
75	56	40

30.67	30.77	31.57	32.18	32.00	32.04	32.14	32.02	32.19
5.9	5.8	5.0	4.39	4.57	4.53	4.43	4.55	4.38
59	37	14	4	3		13	23	24

31.47
 5.1
 75

30.47	30.37	29.87	29.97	32.07
6.1	6.7	6.7	6.6	4.5
75	62	47	39	33

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

		934.56		
--	--	--------	--	--

55+00				
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✓				
---	--	--	--	--

57+00				
-------	--	--	--	--

✓				
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BM				
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			1.82	932.74
--	--	--	------	--------

				932.40
--	--	--	--	--------

KP
DS
LPD

GF
DR

LT

✓

2.7 June 1972 25

RT

30.36 30.26 30.70 30.59 30.63 30.72 30.55 30.73
4.2 4.3 3.78 3.97 3.93 3.84 4.01 3.83
43 19 4 3 13 23 24
B/C

30.36 28.47 30.76 31.36 29.06 28.86 27.76 30.56
4.2 6.09 3.8 3.2 5.5 5.7 6.8 4.0
52 55 61 75 75 54 41 32

FL
NEND
12" CM

28.26 28.46 28.44 28.25 28.28 28.36 28.25 28.42 28.46
6.3 6.1 6.12 6.31 6.28 6.20 6.31 6.14 6.1
39 16 4 3 13 23 24 34

28.36 30.7 30.06 28.56 28.56
6.2 4.2 3.7 6.0 6.0
53 62 75 75 51

N.E. COR PLANTER AROUND YARD
LIGHT FRONT OF 3225 OLD 8

STA + π - ELEV.

BM 2.30 933.25

930.95

54+00

✓

54+50

✓

55+50

✓

DS
LPO
GF

DR

LT

E

27-JUNE-72

RT

26

N.E. COR SW 1/4 # 560

31.05 31.25 31.65 31.66 31.74 31.82 31.60 31.73 31.65
2.2 2.0 1.6 1.59 1.51 1.43 1.65 1.52 1.4
52 29 8 3 13 23 27 32

31.25 31.95
2.0 1.3
65 75

29.45 29.55 29.65
3.8 3.7 3.6
75 48 37

30.05 31.15 31.33 31.14 31.18 31.30 31.17 31.32 30.95
3.2 2.1 1.92 2.11 2.07 1.95 2.08 1.93 2.3
36 14 4 3 13 23 29 35

29.35 30.25 31.55
3.9 2.5 1.7
52 63 75

29.15 29.45 28.65
4.1 3.8 4.6
75 49 40

28.95 29.65 30.14 29.96 30.00 30.10 29.93 30.10 29.65
4.3 3.6 3.1 3.29 3.25 3.15 3.32 3.15 3.6
35 13 4 3 13 23 24 32

28.85 28.05 29.15 29.45
4.4 5.2 3.5 3.8
4.7 54 64 75

28.55 27.25 26.15 26.85
4.7 6.0 7.1 6.4
75 60 48 31

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

T.P		933.25	3.55	929.70
-----	--	--------	------	--------

	3.73	933.43		
--	------	--------	--	--

56+00				
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✓				
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+50				
-----	--	--	--	--

✓				
---	--	--	--	--

57+50				
-------	--	--	--	--

✓				
---	--	--	--	--

DS
LPD
SF

DR

LT

E

27-JUNE-72

27

RT

N.E. COR. OF DR. HO¹¹ 3263 02 546

28.53 29.33 29.57 29.42 29.44 29.50 29.34 29.51 28.93
4.9 4.1 3.86 4.01 3.99 3.93 4.09 3.92 4.5
31 16 4 3 13 23 24 33

27.33 29.83 30.23
6.1 3.6 3.2
51 61 75

26.73 26.53 26.03
6.7 6.9 7.4
75 47 39

27.73 28.83 28.93 28.72 28.78 28.88 28.74 28.95 28.53
5.7 4.6 4.50 4.71 4.65 4.55 4.69 4.48 4.9
35 14 4 3 13 23 24 45

27.53 28.13 30.73 30.43
5.9 5.3 2.7 3.0
44 ~~62~~ 61 75
52

27.53 27.83
5.9 5.6
75 67

27.03 27.33 27.66 27.47 27.51 27.63 27.52 27.69 27.83
6.4 6.1 5.77 5.96 5.92 5.80 5.91 5.74 5.6
37 15 4 3 13 23 24 47

27.33 28.23 28.73
6.1 5.2 4.7
56 60 75

27.53 27.53
5.9 5.9
75 67

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

		933.43		
--	--	--------	--	--

58+00				
-------	--	--	--	--

✓				
---	--	--	--	--

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

✓				
---	--	--	--	--

59+00				
-------	--	--	--	--

✓				
---	--	--	--	--

T.P.	9.05	940.29	2.19	931.24
------	------	--------	------	--------

27.03
 6.4
 44

26.93
 6.5
 22

27.02
 6.41
 4

26.84
 6.59
 3

26.87
 6.56
 13

26.96
 6.47
 23

26.85
 6.58
 24

27.02
 6.41
 24

26.83
 6.6
 35

27.23
 6.2
 59

27.43
 6.0
 75

26.73
 6.7
 75

26.23
 7.2
 53

23.63
 9.8
 58

24.43
 9.0
 42

25.73
 7.7
 17

26.21
 7.22
 4

26.01
 7.42
 3

26.09
 7.34
 13

26.21
 7.22
 13

26.09
 7.34
 23

26.31
 7.12
 24

26.53
 6.9
 50

24.93
 8.5
 68

25.13
 8.3
 75

26.63
 6.8
 75

25.03
 8.4
 45

25.33
 8.1
 23

25.50
 7.93
 4

25.29
 8.14
 3

25.34
 8.09
 13

25.48
 7.95
 13

25.39
 8.04
 23

25.53
 7.90
 24

25.83
 7.6
 39

24.83
 8.6
 57

24.73
 8.7
 75

26.43
 7.0
 75

25.93
 7.5
 58

STA	+	Δ	-	ELEV
-----	---	---	---	------

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

940.29	0.11	940.18	
--------	------	--------	--

940.11

DS
LPD
GF

DR

27-JUNE-72

29

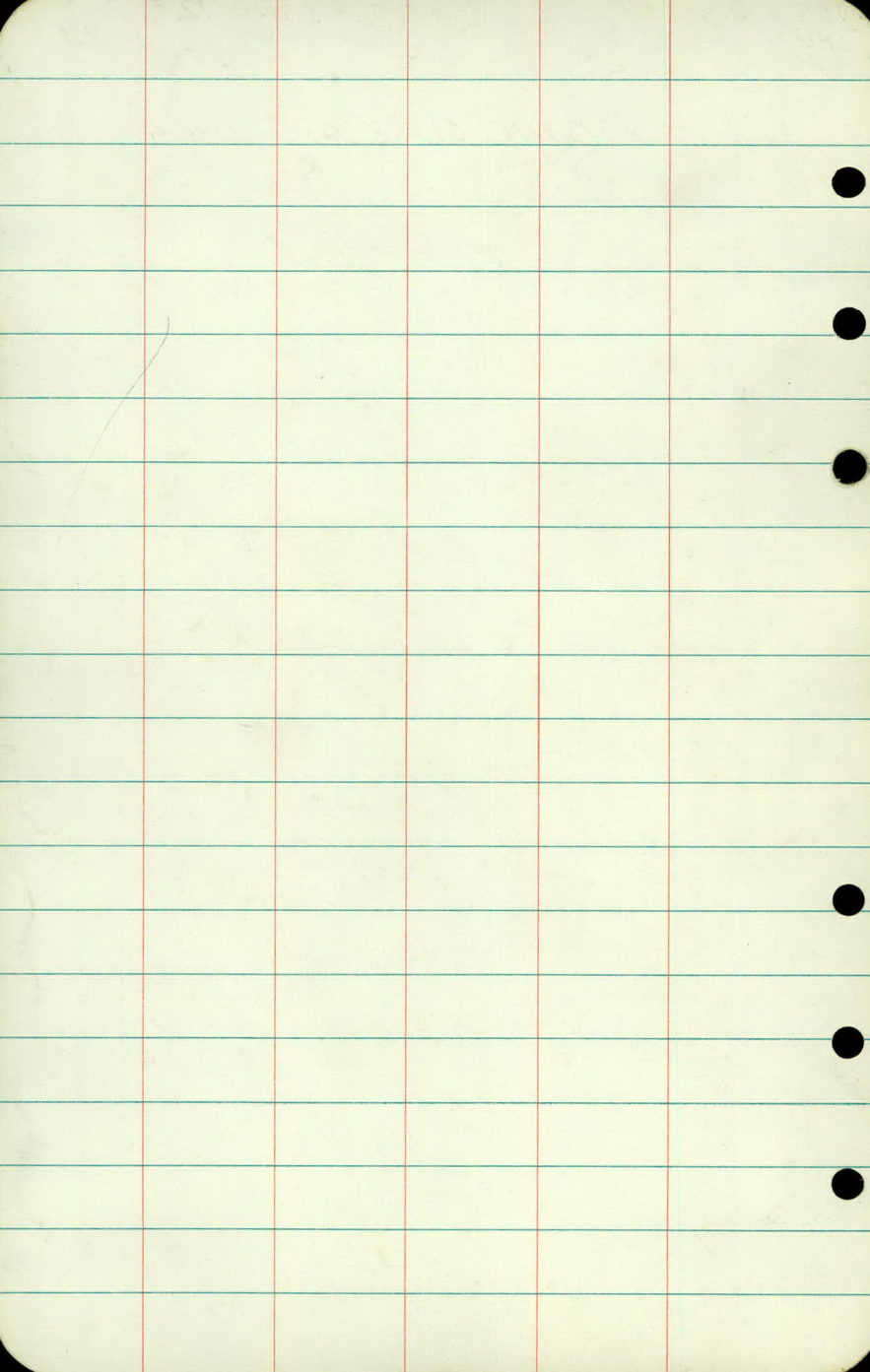
L+

±

RT

±

N.E. COR. CONC. SLAB APT, 804

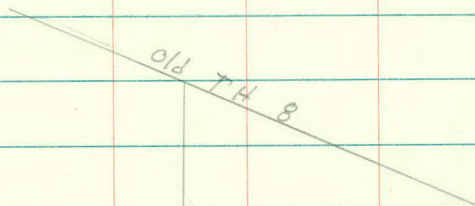


PK 0
RG 7
GA 0.
BP 0

July 11, 1972
cldy 65°

X-Sections

Co. Rd. "D"



Old TH 8

Long Lake Rd

13+30.00 ↗

Co Rd D

Sta	+	Δ	-	EIV
BM	10.33	956.09		945.76
		2.66		10.33
P	0.12	953.55	2.66	953.43
		2.60		
			3.33	
11			4.52	
+44		$\frac{1}{2}$ ENT		
2				
+50				
+90				
3				
BM			3.6	949.25

July 11, 1972

LT

£ 2

Top Hyd W side CSAH #17 North of AEW

Top Hyd NW cor CSAH #17 E Co Rd D

£ £

		51.05	50.55	49.45	48.15	47.45	47.75
		2.5	3.0	4.1	5.4	6.1	5.8
		<u>78</u>	<u>62</u>	<u>48</u>	<u>33</u>	<u>21</u>	<u>3.5</u>
50.25	50.65	50.25	47.75	45.65	45.15	45.55	
3.3	2.9	3.3	5.8	7.9	8.4	8.0	
<u>49</u>	<u>49</u>	<u>42</u>	<u>33</u>	<u>24</u>	<u>24</u>		
B.C	CURB			CURB	B.C	B.C	
49.45	49.95	49.15	45.65	43.15	42.65	43.15	
4.1	3.6	4.4	7.9	10.4	10.9	10.4	
<u>48</u>	<u>48</u>	<u>42</u>	<u>32</u>	<u>24</u>	<u>24</u>	<u>8.5</u>	
B.C	T.C			CURB	B.C	B.C	
47.95	48.55	45.75	41.95	41.15	40.65	41.15	
5.8	5.2	7.8	11.6	12.4	12.9	12.4	
<u>48</u>	<u>48</u>	<u>41</u>	<u>30</u>	<u>24</u>	<u>24</u>		
B.C	T.C			CURB	B.C	B.C	

44.55	43.95	42.45	40.45	38.15	38.95	39.85	40.65	40.05	40.65
9.0	9.5	11.1	13.1	15.4	14.6	13.7	12.9	13.5	12.9
<u>69</u>	<u>54</u>	<u>46</u>	<u>41</u>	<u>36</u>	<u>32</u>	<u>27</u>	<u>24</u>	<u>24</u>	
							CURB	B.C	

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