

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

NINTH ST.
From Otter Lake Rd To Bald Eagle Rd.

Road Acc't. No. 93

Date Filed 12-15-66

D. 9
File Bk. 49

1

Plan Survey
of
NINTH STREET
from
Otter Lake Rd. to Bald Eagle Rd.
(0+00) to (52+71.64)

Pg. 1	Title
Pg. 2-3	Alinement
Pg. 4-23	Topography
Pg. 24-27	Bench Marks
Pg. 28-61	X-Sections

P.C.C. 6-28-65

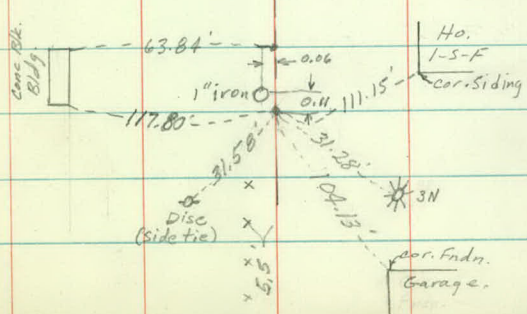
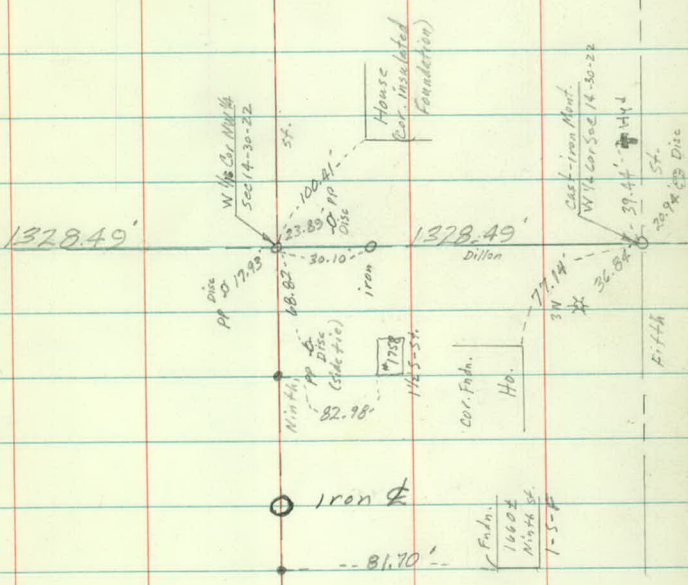
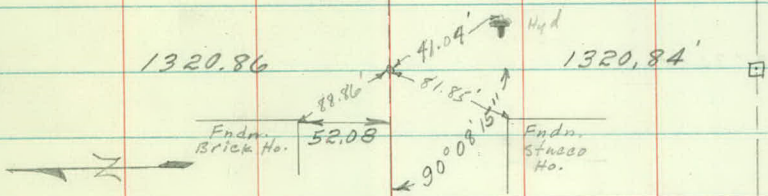
Sta	Point	Δ Lt	Δ Rt	Defl.	Remarks
52+71.64					Boat spike (Found)
26+31.44	PI	0°02'37½"			1" iron
23+38.0	P.O.T.				60 pp nail
13+15.64	Pot	Iron			
12+15.82	POT				60 pp nail
1+98.6	P.O.T.				60 pp nail
0+00					PK nail

RG
PK
LPD

May 14, 1965
H. rain 65°

2

130-K2RW
10 11 14 15



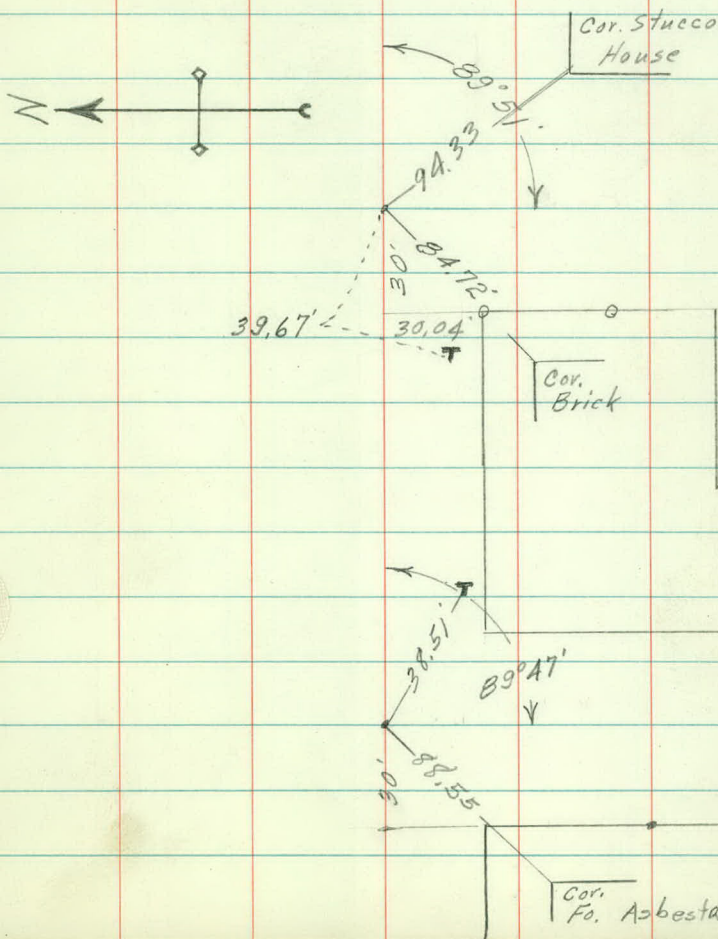
Sta Point

48+38.77 $\pm$ Cook Ave.

39+51.67 $\pm$ Wood Ave.

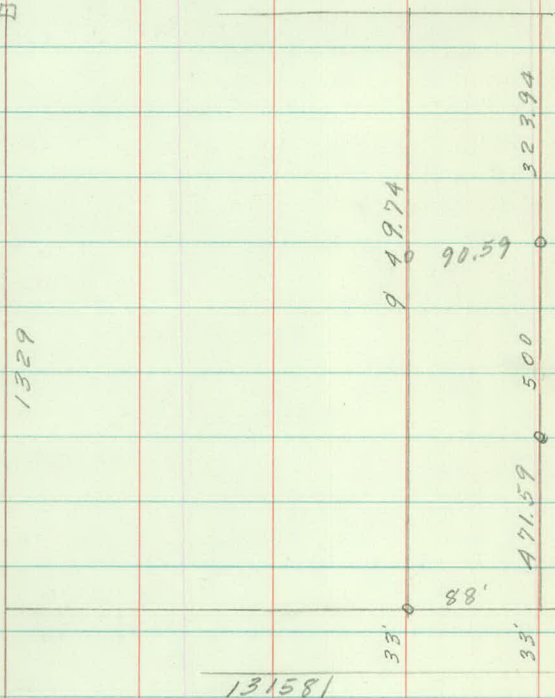
27+88.28 $\pm$ Woodcrest

3



□

1329



Lot 9, Auditors Sub. 83

April 5, 1944

□

TOPOGRAPHY

NINTH STREET

from

Bald Eagle Ave. to Otter Lake Rd.

5+00

Lt

145

Rt

4+00

135

$$\begin{array}{r} \text{PP} \\ +41 \quad 22 \end{array}$$

3+00

135

$$\begin{array}{r} \text{N. end CM} \\ +86 \quad 19 \end{array}$$

$$\begin{array}{r} \text{PP} \\ +85 \quad 20 \end{array}$$

$$\begin{array}{r} \text{S. end } 12" \times 30" \text{ CM} \\ +86 \quad 11 \end{array}$$

$$\begin{array}{r} \text{PP} \\ +46 \quad 21 \end{array}$$

$$\begin{array}{r} \text{PP} \\ +05 \quad 63 \end{array}$$

2+00

BT

13.5 S.S.

$$\begin{array}{r} \text{Gas Main} \\ +99.5 \quad \text{Crossing} \end{array}$$
Lt 22' = Gas Main

$$\begin{array}{r} \text{PP} \\ +31 \quad 21 \end{array}$$

$$\begin{array}{r} \text{PP} \\ +27 \quad 21 \end{array}$$

BT

147

1+00

$$\begin{array}{r} \text{SW Cor Bldg} \\ +98.5 \quad 65 \end{array}$$

$$\begin{array}{r} \text{End Hedge} \\ +43 \quad 13-18 \end{array} \quad +59 \quad \text{Ent } 13' \text{ (Sand)}$$

10" Elm

$$\begin{array}{r} +34 \quad 24 \end{array}$$

Hedge

+00

13-17

12" Elm

+12 42

$$\begin{array}{r} \text{NW Cor Ho} \\ +92 \quad 62 \end{array}$$

7" Elm

$$\begin{array}{r} +47 \quad 23 \end{array}$$

PP

+61 21

4" Elm

+71 23

6" Elm

+80 23

B. row 8" Elms

$$\begin{array}{r} +37 \quad 23 \quad 33 \quad 45 \quad 56 \end{array}$$

B. 11" ac hedge

+38 13-17

S. end 12" x 36" CM

$$\begin{array}{r} +25 \quad 14 \end{array}$$

+39

ER

7

$$\begin{array}{r} \text{stop Sign} \\ +32 \quad 21 \end{array}$$

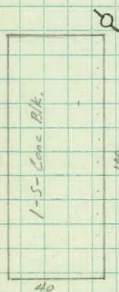
$$\begin{array}{r} \text{ER} \\ +39 \quad 15 \end{array}$$

$$\begin{array}{r} \text{N. end CM} \\ +25 \quad 22 \end{array}$$

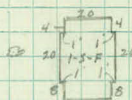
$$\begin{array}{r} \text{BR} \\ +10 \quad 29 \end{array}$$

0+00

$$\begin{array}{r} \text{BR} \\ +10 \quad 30 \end{array}$$



Ent. & Parking



Indefinite
Area

£ other

Lake Rd

88

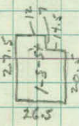
BT
11 6
10+00 5" 16E +71 10" 6E +76 4" 6E
+66 26 27 27
+58 8" F +58 Silver Maples
27 37-45-57-66
+33 12E +39 8 6E +47 212
27 27 27
+15 4" 6E +21 12 6E +27 3E
26 26 26
9+00 106 SW Cor Ho BT
12 6
12 6E
+93 20
Trip 4 Loc Row to
+85 26 +85 41 7 20' +27 16 Cott +28 5TP
26 26 26 26
+85 PP +14 210' Ent Rtie +21 22 Cott +27 12 Cott +76 PP
20 20 31 17 21 64 +27 65 +27 54 17
12" Elm +04 54 +11 210' +20 12 6E +21 12 6E
43 54 Ent +20 28 +21 47
8+00 12 Ash BT +02 24" +03 14 Cott
22 22 135 55 38
1" P +89 37 +80 10" Elm +67 NW Cor Ho
1" P +80 30 78
SW Cor Ho 12" 6E +89 23 14" 6E +60 1" P +66 27 +72 1" P
93 24 23 PP +42 5TP +46 26 +55 5TP
Row Box elders +58 21 +42 35 +46 26 +55 32
24-34-44-54 +24 Arbivida +46 32 +39 18 +41 5TP
+15 8 Ent Rtie +17 32 +46 32 +39 18 +41 27
Arbivida BT
7+00 +09 33 147 +00 ER +25 Bush +13 5 M
33 7 27 27 31
12" Mt. Ash +97 59 +66 15 +69 61 +83 13 R
59 61 61
Beg Lilac hedge +64 32-75 +74 12" Maple +61 39 2" Willow 5" Willow 1" BR
58 58 58 58
4" Elm SW Cor Ho +57 33-100 +58 27 +61 29
34 89 19 32 76
+90 19 +74 32 +86 76
57 13 6 +96 Cess Pool Vent
45
4" Elm
+96 28
PP
+52 21
BT
14 5 +13 PP
19

FK
RG
PK
LPD

May 20, 1965
May 21, 1965

5

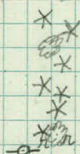
+81 STA 28
+87 12' CE 27
+92 6' CE 27
+99 8' CE 27



1-S-F



+93 1' P 27



Rip-rap

Sand

wood rail fence (2 rails)

To Gar. →

8

+41 $\frac{SW Cor Ho}{100}$ +47 $\frac{RTIC}{100}$
+37 $\frac{3''P}{43}$

+26 $\frac{B Fe}{21}$ +26 $\frac{Tw 6''CE}{36}$ +36 $\frac{Tw 10''CE}{37}$
+26 $\frac{8''CE}{23}$ +31 $\frac{10''CE}{16}$ +17 $\frac{NW Cor Ho}{82}$
12 $\frac{BT}{11.6}$ +10 $\frac{12''CE}{37}$

+89 $\frac{210' Ent}{14}$ +70 $\frac{1114 4''CE}{14}$ +66 $\frac{4''CE}{36}$
+66 $\frac{PP}{19}$ +62 $\frac{4''CE}{41}$
+56 $\frac{27''CE}{43}$ +57 $\frac{5''P}{19}$
+49 $\frac{4''CE}{47}$ +49 $\frac{5''CE}{50}$
+46 $\frac{B \times Fe}{33}$ 3-SB +50 $\frac{10''CE}{33}$

+07 $\frac{212' Ent}{BT}$
11 12.5

+97 $\frac{Tw 6''CE}{63}$
+84 $\frac{8''M}{37}$ +95 $\frac{12''SM}{49}$
+53 $\frac{7''Mark}{37}$
+39 $\frac{Arbivida}{26}$ +37 $\frac{PP}{20}$
+38 $\frac{SW Cor Basement}{100}$ Ho. 1
+23 $\frac{210' Ent}{15''CE}$
+12 $\frac{15''CE}{38}$ +12 $\frac{Tw 6''CE}{61}$ +25 $\frac{PP}{16}$
10 3''CE +05 28

May 21, 1965

6

28'

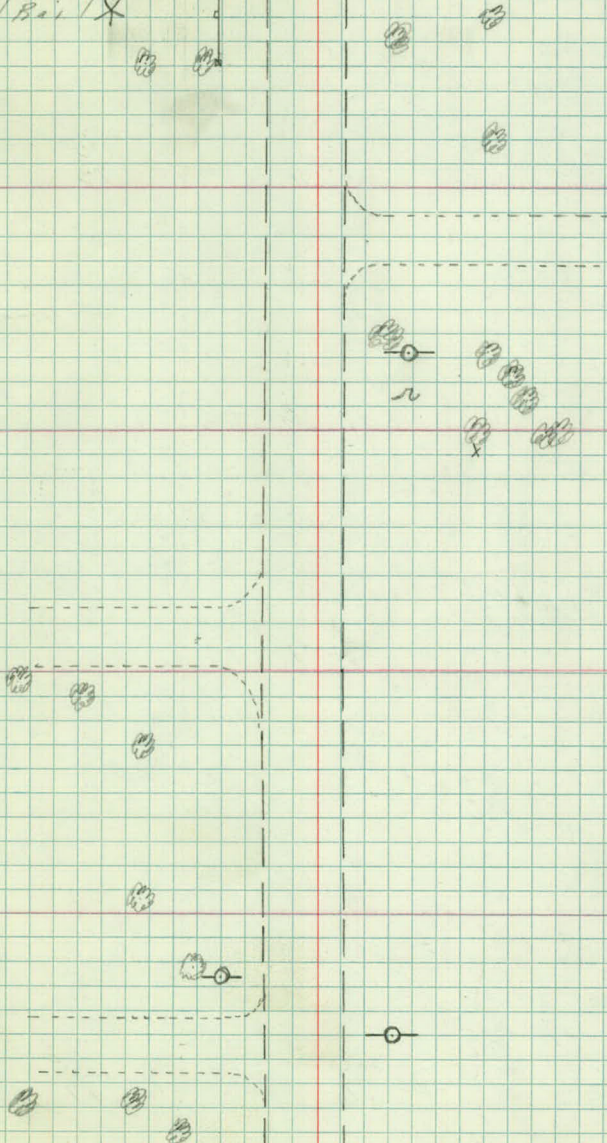
42'

Wood Bri. / X

38'

24

40'



15

+02

BT
7+73 $\frac{POR}{17}$ +83 $\frac{ER}{35}$ +59 $\frac{BR}{10}$ +68 $\frac{PP}{18}$ +18 $\frac{6"P}{73}$ +18 $\frac{3"W/P}{63}$ +18 $\frac{Arbivida}{43}$ +18 $\frac{2"P}{51}$ +18 $\frac{Arbivida}{33}$ +01 $\frac{E Ent}{38}$ +05 $\frac{RTic BT}{Ent 11-6}$

14

+48 $\frac{SW Cor Ho}{108}$ +23 $\frac{STP}{13}$ +24 $\frac{STP}{17}$ +70 $\frac{1"N/P}{37}$ +19 $\frac{STP}{14}$ +56 $\frac{10"P}{37}$ +85 $\frac{12"P}{36}$ +17 $\frac{PP}{17}$ +18 $\frac{Tw 4"CE}{25}$ +42 $\frac{1"N/P}{37}$ +11 $\frac{X-Fe}{A1}$ +14 $\frac{Tw 8"CE}{31}$ +11 $\frac{12"CE}{38}$ +27 $\frac{10"P}{36}$ +19 $\frac{10"P}{64}$ +20 $\frac{12"P}{43}$ +09 $\frac{10"CE}{56}$ +11 $\frac{Tw 8"CE}{24}$ +10 $\frac{Riv Lilac}{39-60}$ +05 $\frac{8"CE}{38}$ +05 $\frac{10"CE}{44}$ +10 $\frac{PP}{20}$ +04 $\frac{8"CE}{33}$

13

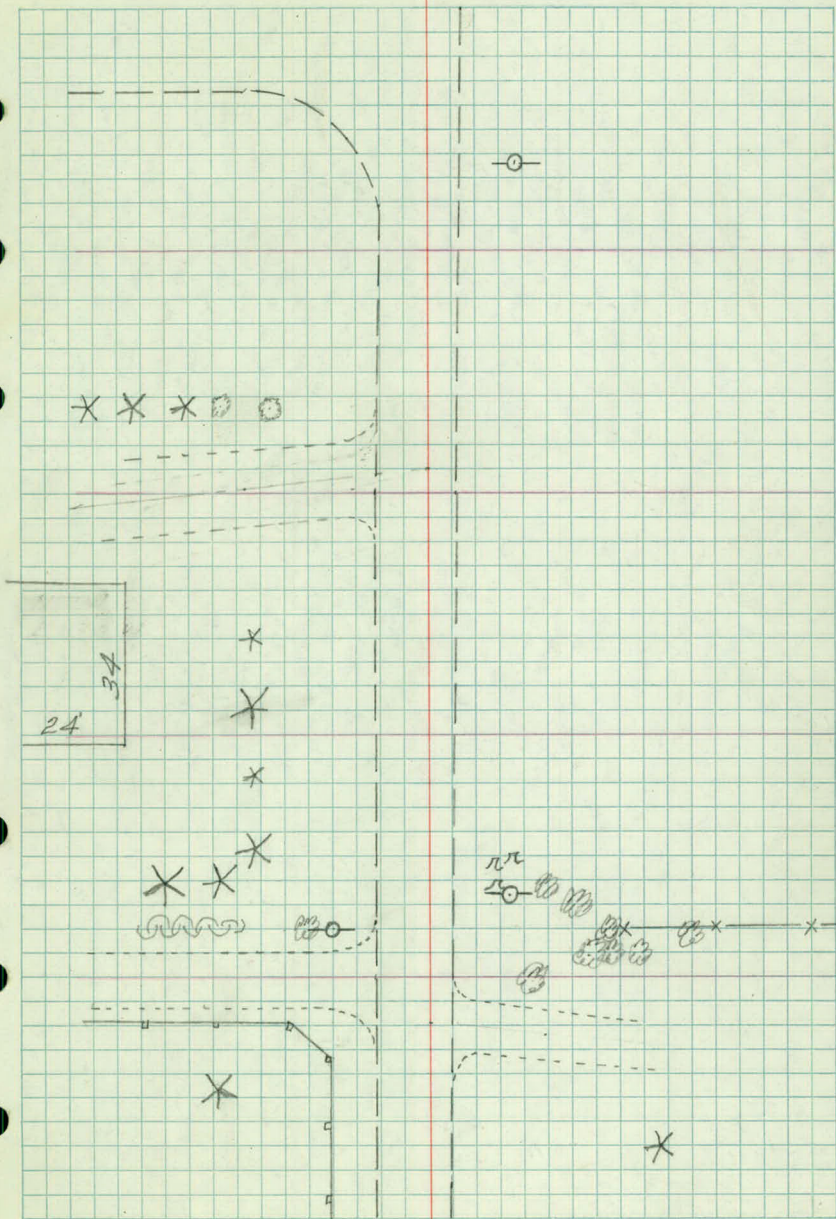
BT
11.5+99 $\frac{E 12' Ent}{Ent}$ +95 $\frac{E, Fe}{100.0}$ +98 $\frac{6"CE}{22}$ +91 $\frac{Fe Cor}{29}$ +88 $\frac{E 16' Ent RTic}{24}$

3"P

+83 $\frac{Fe Cor}{21.5}$ +65 $\frac{4"P}{47}$ +77 $\frac{44}{44}$

May 21, 1965

7



~~E~~

17

~~BT~~
9 11

+98 $\frac{PP}{35}$

+97 $\frac{PP}{18}$

16

~~BT~~
11 10

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

4' Cone
18" EBSG
3' RISOT

+86 $\frac{Hyd}{24}$

+24 $\frac{ER}{11}$

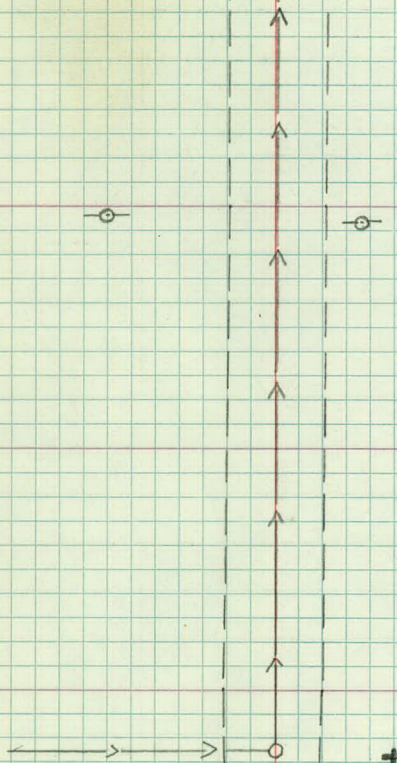
+11 $\frac{POR}{16}$

15

+104 $\frac{BB}{31}$

May 21, 1965

8



FL to Top 10.12
7" Casting
1 Adj Ring
Eccentric Cone

down

£

20

+97 $\frac{BR}{27}$

+92 $\frac{Hyd}{23}$

+75 $\frac{ER}{29}$

+81 $\frac{W.S.O.}{25}$

+68 $\frac{POR}{16}$

+53 $\frac{BR}{9}$

+37.5 $\frac{MH}{0.5}$

19

BT
9 12

+46 $\frac{PP}{20}$

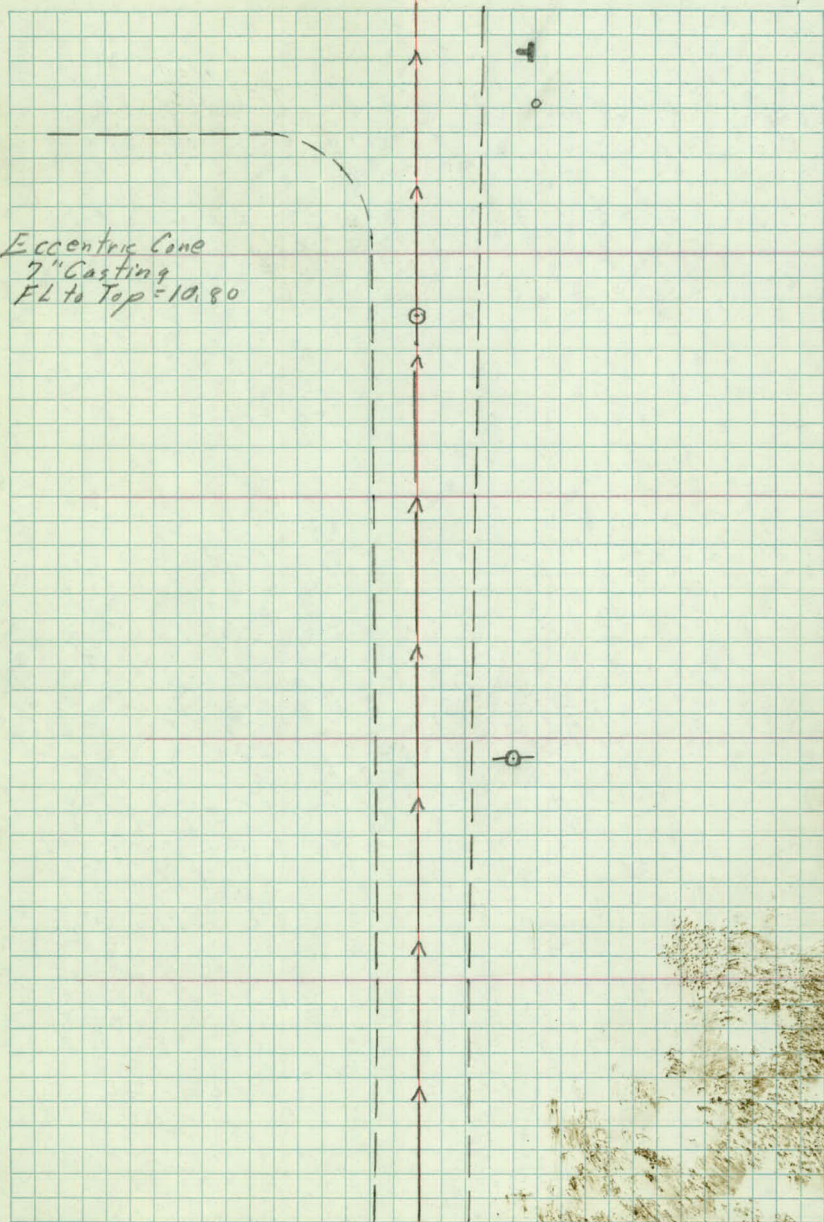
18

BT
8 11

May 21, 1965

9

Eccentric Cone
7" Casting
FL to Top = 10.80



+39 ^{WSO}
26

22

BT
9 13

+50 ^{WSO}
27

21

BT
8 13

+79 B. Hedge
33

+70 2"NP
44

+69 2"NP
37

+57 2"NP
37

+55 P.P.
22

+56 Well Pit
50

+65 H4d
59

+34 SW Cor Pump Ho
45

+44 E. Shrub
29

+17 EA
70

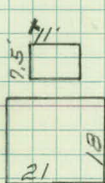
+22 B. Shrub
30

20

+09 POR BT.
12 14

May 21, 1965

10



X
X

21-13



25

RT

BT

10 11

LT

+97 Lilac
55+98 14" Ad
26+86 2 12
Ent+175 stp
63+48 PP
25+176 Lilac
32+58 36" M
26+52 PP
26+36.5 SW Cor Ent
56 10.5 Wide+12 Hyd
22

24

+116 1" P
27BT
11 13+92 8" P
36+83 S.W. Cor. Ho.
88+91 12" BE
24+64 End Hedge
30+56 10" P
50+98 1" P
38+56 10" P
35+99 1" P
28+89 1" P
27+38 N.W. Cor Ho.
83

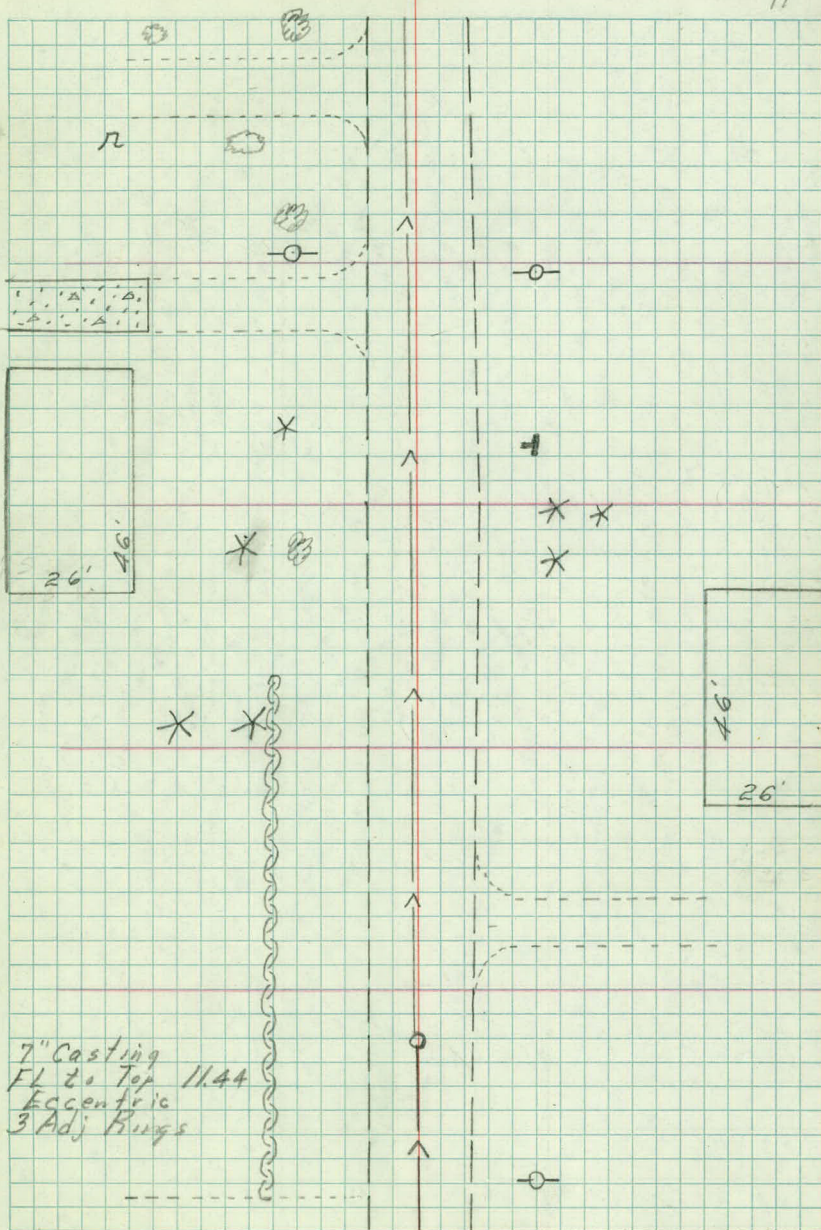
+13 2 Ent

23

BT
10 12+89 MH
2+61 PP
25+52 Field Ent
27

May 21, 1965

11



Stamps
+28

+24

+45 $\frac{5''P}{72}$ +36 $\frac{5''P}{23}$

+16 +45

+13 +40

+08

+08 $\frac{NW Cor Ho}{65}$

+03

27

$\frac{BT}{11}$ 10

+02 $\frac{5''P}{19}$

Stamps
+59 19

+70

+76

+80

+85

+95

+38 $\frac{MH}{1}$

+68 $\frac{5''P}{23}$

+36 $\frac{5''P}{31}$

+33 $\frac{GP}{19}$

+33 $\frac{1''PP}{25}$

+33 $\frac{Fe Cor}{23}$

26

+27 $\frac{6'' Elm}{28}$

$\frac{BT}{11}$ 11

+60 $\frac{Fe Cor}{72-23}$

+95 $\frac{6'' Ash}{27}$

+89 $\frac{WSO}{24}$

+56 $\frac{5''P}{65}$

+56 $\frac{14'' BE}{45}$

+33 $\frac{8''P}{64}$

+56 $\frac{20'' Elm}{27}$

+67 $\frac{PP}{25}$

+45 $\frac{12'' Ent}{12}$

+25 $\frac{WSO}{27}$

+04 $\frac{SW Cor Pata}{88}$

+13 $\frac{WSO}{27}$

+13 $\frac{E. Hedge}{21}$

+17 $\frac{14'' NW Ash}{27}$

25

+01 $\frac{E. Hedge}{21}$

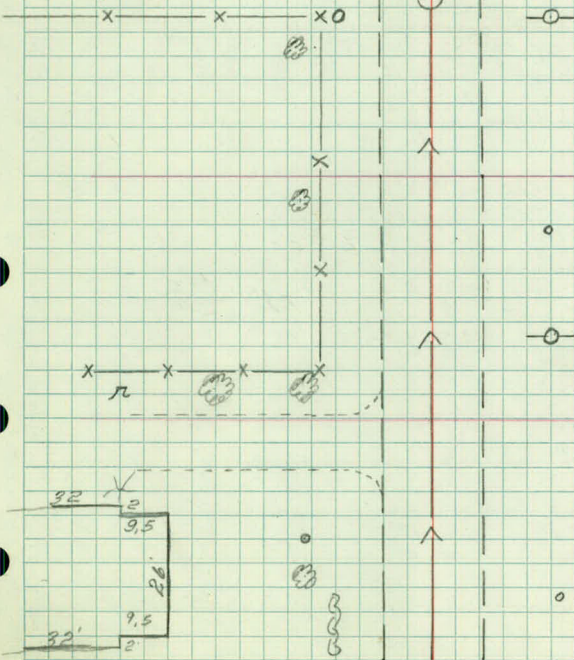
FK
RG
PK
LPD

May 24, 1965

12

21
31

Eccentric Cone
7" Casting
F.L. to Top C. = 12.50
2 Adj Rings

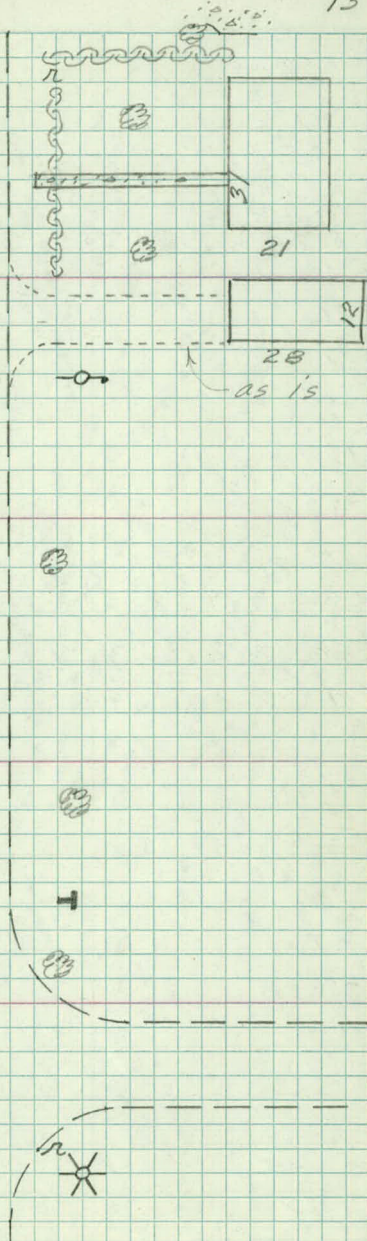


30			BT 10 10	+100	Car Conc 54		
+59				+99	10" Elm 48		
+55	+100		+92	STP 19	+196	Lilac Hedge 18	
+51	+96			+88	E. Hedge 20		
+47	+93	+60.5	MH 1.5	+70	3" Walk 16	+84	6" Elm 36
+20	+89				+156	12" E 37	
+16	+84		+150	B Hedge (Rose) 20			
+11	+77			+155	NW Corner Ho 56		
+8	+70	+28	GP 19	+41	4" 10 Ent	+37	NW Corner Ga 56
+4	+66			+29	PP 25	+29	Iron 30.5
29			BT 10 10				
+36	+80			+92	8" Elm 19		
+33	+77						
+29	+73						
+21	+69						
+17	+57						
+14	+53	+98					
+109	+49	+95		+42	6" Elm 23		
+105	+45	+90		+21	Hyo 20		
+102	+40	+85		+18	ER 10	+107	12" Elm 19
28			BT 10	+105	FOR 16		
+84	Stumps 19	+92	STP 19			+96	BR 34
+80				+88	2 Woodcrest Rd 2		
+70							
+65			+70	FOR 16		+78	ER 30
+61							
+56				+69	STP 19		
+51			+55	BR 10		+65	Ac 17 25

May 24, 1965

13

9" Casting
5 Adj. Rings
FL L. Top C. 14.37

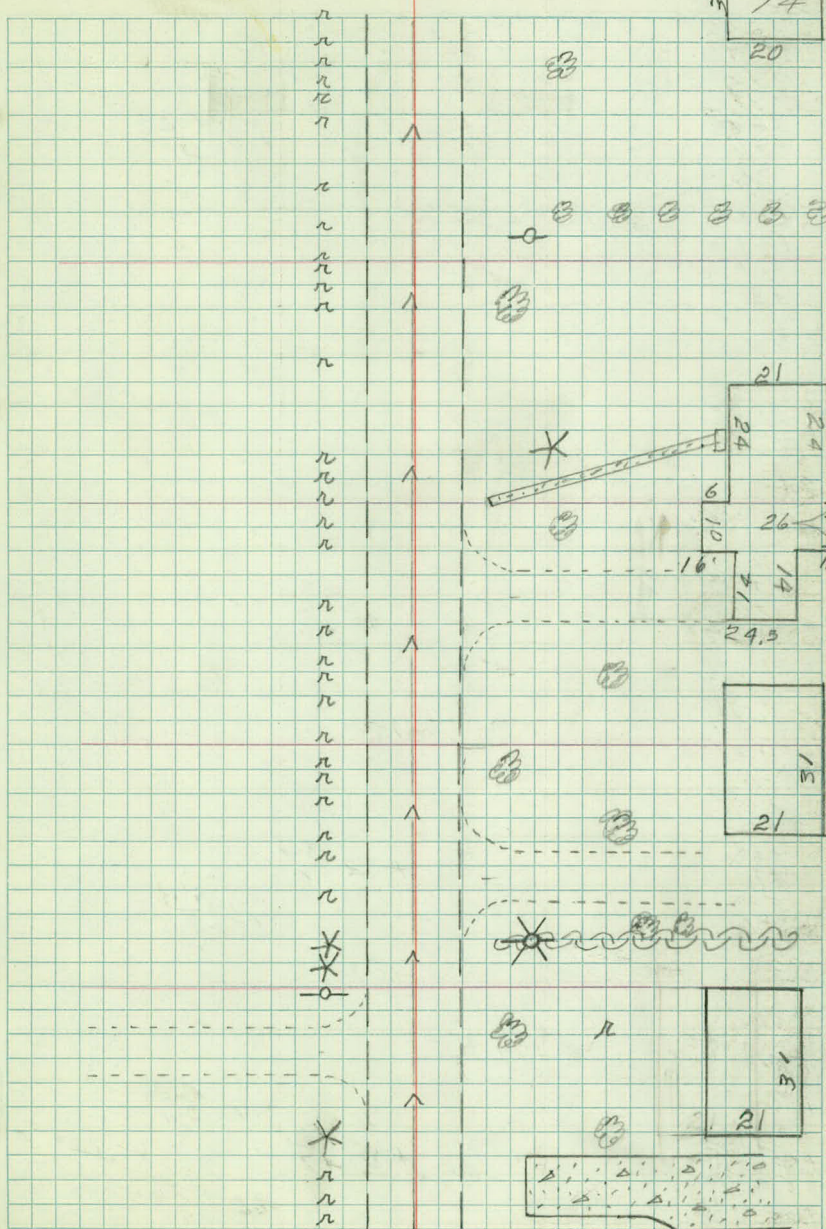


Cultivated

+50			
+45			
+41		+46	NW Cor Ho 66
+37			1" P
+33			+42 47
+28		+41	6" E 31
+16			
+07		+10	Row LP 31-43-53-64 → 200
+02			PP
32	BT 10 10	+05	24
+97			
+94		+91	14" Elm 20
+91			
+79			
+59			
+54		+62	12" P 28
+51	+29 +9	+50	E 12" Walk 16
+46	+23 +2		+63 E Walk 60 Tile
+41	+17	+46	3" Catulpa 31
	+14	+31	E 10' Ent
31			+40 NW Cor Ho 60
Stumps		BT 10 8	+14 12" E 41
+97			+92 12" Elm 19
+93		+83	10" Elm 42
+88		+73	E 10' Ent
+82	10' +54 6" P 19	+82	NW Cor Ho 65
+77		+60	7" Ash 56
+68	+37 E 10' Ent	+59	Arc H 24
+11	+19 4" P 19	+60	To 7" Elm 47
+06		+59	B Hage Lilac 17
30		+41	12" Elm 22
			+41 St P 39
		+19	NW Cor Ho 61
		+02.5	BC 42
			+20 10" CF 41
		+02.5	Cor Ent 12.6 23

1-S-F

20



35 +100 stp

BT
9 11

+90
+81
+76
+71
+67
+61
+59
+54
+48
+43
+35
+30
+26
+22
+15
+11
+05

+89 NW Cou Ho
65

+88 TW Birch
47

+00

+16 PP
24

BT
10 11

34

+95
+87
+82
+75
+69
+62
+58
+54
+48
+45
+39
+23
+18
+14
+10
+6

+22 Hud
20

+06 MH
21

33 +100 stp

BT
9 11

+85

+97 MH
1

+81

+76

+89 Bush
34

+71

+65

+80 1st P
47

+84 SE
31

+60

+54

+62 4th Tile Walk
19

40.5

15

24.5

1-5-A

[illegible]

2 Adj Rings
Eccentric Ring 5
FL to Top 14 +
Steps = N side

7" Casting
4 Adj. Rings

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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+50 $\frac{\text{Cor. Hedge}}{49}$

+46 $\frac{15^0}{62}$

+48 $\frac{15^0}{26}$

+41 $\frac{\text{NW. Cor Ho}}{65}$

+37 $\frac{\text{Tw } 14^0}{24}$

+38 $\frac{2^0 \text{P}}{38}$

+41 $\frac{15^0}{43}$

+13 $\frac{12^0}{47}$

+38 $\frac{1^0 \text{P}}{31}$

+10 Gate

+06 $\frac{10^0}{39}$

+34 $\frac{2^0 \text{P}}{33}$

37 $\frac{\text{SW Cor Ho}}{92}$

+00 $\frac{20^0}{20}$

Fe BT
19 8 17

+32 $\frac{\text{PP}}{24}$

+84 $\frac{15^0}{46}$

+87 $\frac{16^0}{20}$

+97 $\frac{16^0}{52}$

+89 $\frac{12^0}{39}$

+82 $\frac{15^0}{32}$

+27 $\frac{\text{MH}}{1}$

+75 $\frac{14^0}{22}$

+70 $\frac{16^0}{22}$

+68 $\frac{12^0}{24}$

+63 $\frac{\text{£ } 12}{\text{Ent}}$

+62 $\frac{12^0}{35}$

+68 $\frac{15^0}{54}$

+57 $\frac{\text{X Fe}}{25-57}$

+52 $\frac{\text{Litac}}{23}$

+59 $\frac{\text{B. Hedge}}{28}$

+44 $\frac{\text{TPR } 2^0 \text{B}}{5A}$

+49 $\frac{\text{£ } 10}{\text{Ent}}$

+59 $\frac{\text{B. Fe}}{20}$

+15 $\frac{\text{NW Cor Ho}}{65}$

+10 $\frac{2^0 \text{P}}{64}$

+35 $\frac{16^0}{48}$

+15 $\frac{2^0 \text{P}}{55}$

+13 $\frac{1^0 \text{P}}{38}$

+16 $\frac{1^0 \text{P}}{32}$

36

BT
7 15

+06 $\frac{\text{X-Fe}}{27}$

+95

+90

+73

+60

+55

+51

+41

+37

+23

+19

+15

+10

35 +07

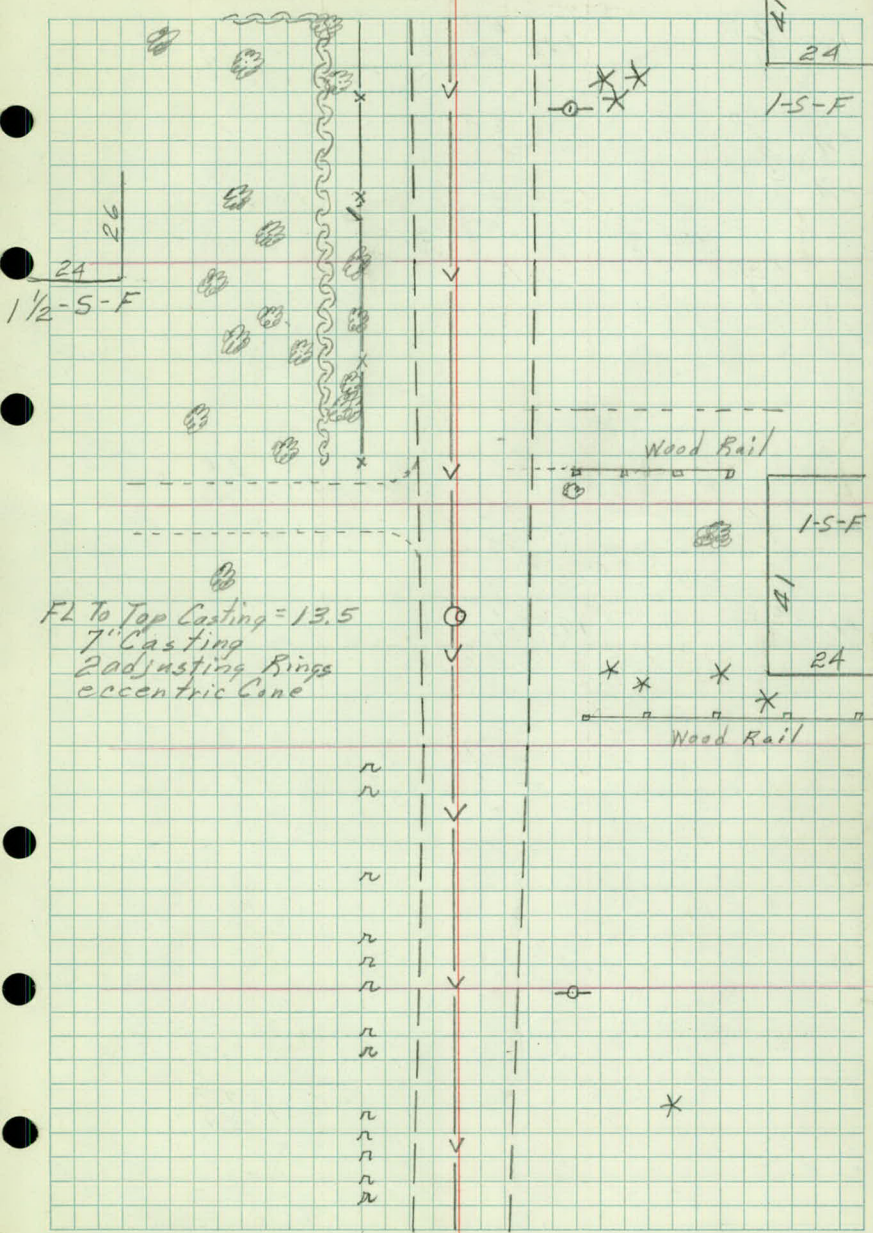
+49 $\frac{\text{PP}}{24}$

+37 $\frac{\text{£ } 10}{\text{Ent}}$

+26 $\frac{1^0 \text{P}}{45}$

May 24, 1965

16



✓

40		<u>BT</u> 8-14		
+83 $\frac{14^0}{21}$	+84 $\frac{14^0}{38}$	+95 $\frac{16^0}{20}$	+50 $\frac{MH}{2}$	
+62 $\frac{SW Cor H.}{68}$		+77 $\frac{23 Walk}{20}$		+94 $\frac{5^0}{33}$
+94 $\frac{5^0 P}{59}$	+157 $\frac{14^0}{30}$	+157 $\frac{12^0}{23}$	+83 $\frac{3^0 P}{66}$	+83 $\frac{6^0 E/m}{49}$
+48 $\frac{5^0 P}{63}$		+56 $\frac{5^0 P}{56}$	+76 $\frac{PP}{45}$	
	+138 $\frac{14^0}{32}$	+73 $\frac{PP}{24}$		+79 $\frac{ER}{13}$
+22 $\frac{5^0 E/m}{27}$		+13 $\frac{E Lilac}{38}$	+56 $\frac{POR}{25}$	
	+12 $\frac{18^0}{37}$	+30 $\frac{ER}{40}$		+50 $\frac{BR}{40}$
+04 $\frac{B Lilac}{62}$		+04 $\frac{2 Ent}{76}$	+25 $\frac{POR}{22}$	
	+02 $\frac{18^0}{36}$	+18 $\frac{Hyd}{20}$		+11 $\frac{PP}{24}$
39 $\frac{2 E}{65}$		<u>BT</u> 8 12	+11 $\frac{BR}{12}$	
+90 $\frac{2 E}{45}$		+83 $\frac{2 E}{28}$		
	+80 $\frac{2 10 Ent}{18}$			
+92 $\frac{20^0}{22}$		+95 $\frac{STP}{29}$		
	+95 $\frac{2 E}{32}$	+49 $\frac{12^0}{52}$		+67 $\frac{NW Cor H.}{65}$
	+48 $\frac{Fe Cor}{20}$			
+44 $\frac{15^0}{23}$		+38 $\frac{12^0}{24}$		
	+31 $\frac{12^0}{24}$			
+16 $\frac{24^0}{23}$		+18 $\frac{12^0}{45}$		
	+13 $\frac{10^0}{25}$			
38	<u>EE</u> 20	<u>BT</u> 10 16		
	+97 $\frac{10^0}{29}$			
+72 $\frac{20^0}{27}$		+80 $\frac{Tw 14^0}{53}$	+89 $\frac{2 10 Cor Ent}{}$	
	+68 $\frac{STP}{46}$			+77 $\frac{M.A.}{39}$
+53 $\frac{16^0}{28}$		+64 $\frac{14^0}{59}$		

May 24, 1965

17

2-5-St.

31

9 Adj Rings
9" Casting
F.L. To Top C=12.7
eccentric Conc.

WOOD AVE.

30 1-S-F

56

Woven
Wire

+50 Lt +51 $\frac{MH}{1}$ &

Rt.

+48 $\frac{PP}{24}$

+47 $\frac{14"CE}{72}$

+47 $\frac{2"NP}{41}$

+21 $\frac{£10'Ent}{18}$ R. tie +23

+47 $\frac{2"NP}{54}$

42 +01 $\frac{PP}{19}$ BT $\frac{8}{13}$

+94 $\frac{2"P}{35}$

+77 $\frac{6"Ash}{45}$

+64 $\frac{Honeysuckle}{23}$

+58 $\frac{2"P}{35}$

+41 $\frac{6"NH Ash}{44}$

+36 $\frac{3W. Cor Ho}{73}$

41 +04 $\frac{24"£/m}{35}$ BT $\frac{6}{13}$

+10 $\frac{PP}{24}$

+70 Ent (10') Cr. rock

+65 $\frac{PP}{18}$

+49 $\frac{Htac Bush}{22}$ +49 $\frac{6"O.}{27}$

+45 $\frac{(10' Dia) Lilacs}{53}$ +50 Ent (10') Rt +57

+30 $\frac{£Ent}{55}$ 18"O +35 $\frac{28}{28}$

+14 $\frac{12"O}{30}$

+15 $\frac{NW Cor Ho}{70}$

40 +03 $\frac{Stp}{21}$ +07 $\frac{16"O}{37}$ BT $\frac{8}{14}$

RB
PK
LPD
LPD
Lt

June 1, 1965
Cloudy 80°

May 26, 1965
PC 606
Rt

18

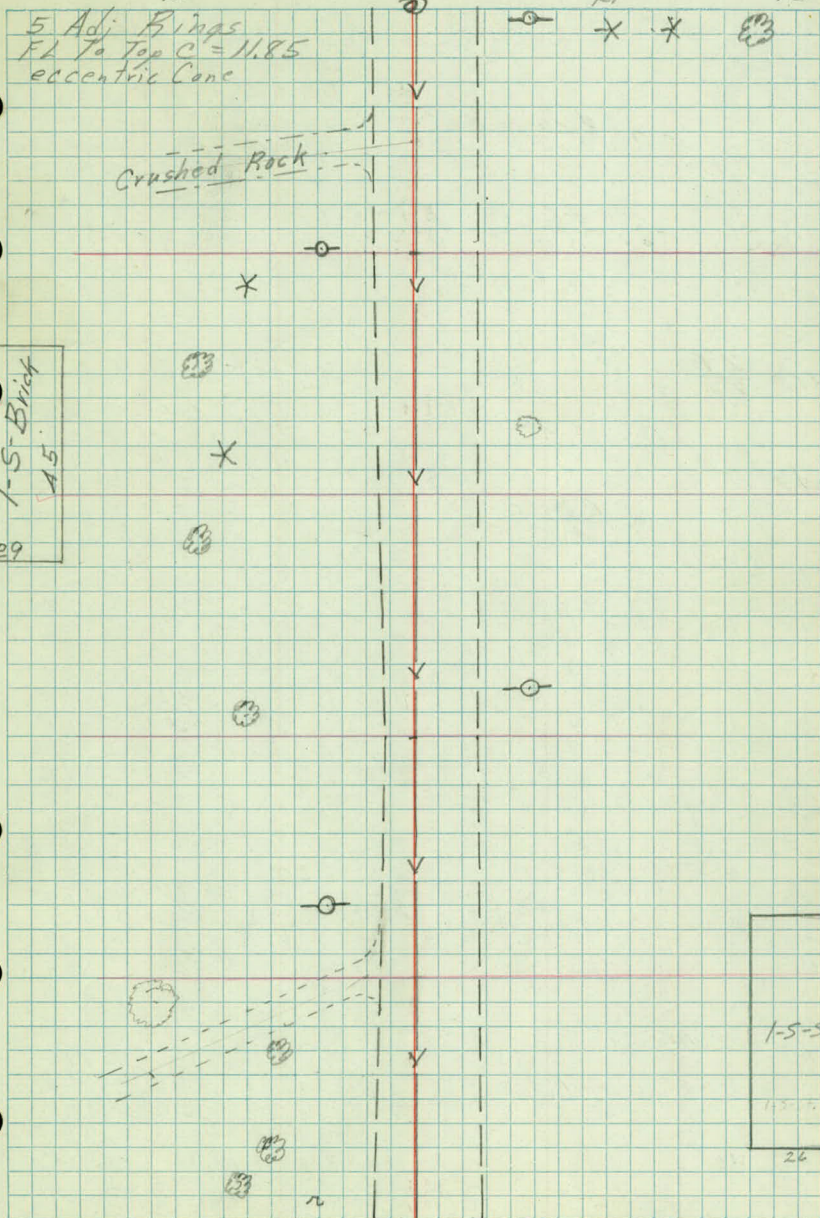
5 Adj. Rings
FA To Top C = 11.85
eccentric Cone

Crushed Rock

1-5-Bright
4.5
29

1-5-54

26



45		<u>BT</u> 9 13	<u>£ Ent</u> 56
+94	S.W. Cor. Ho. 71	+90 <u>PP</u> 30	
+75	Cor. B. Dr 34	+88 <u>EE Dr</u> —	+91 <u>PP</u> 24
	+70 <u>Cor. B. Dr</u> 52		
+64	3" R.L. Map 53	+72 <u>8" WP</u> 32	
	+51 <u>22" CE</u> 31		+30 <u>£ Ent</u> 64
+24	S.W. Cor. Ho. 71	+31 <u>8" WP</u> 30	
	+14 <u>5" CE</u> 30		
+12	24" CE 60	+14 <u>3" M</u> 45	
	+05 <u>£10</u> Ent		
44		<u>BT</u> 8 13	<u>£ Ent</u> 65
	+98 <u>£ Lilac</u> 20-33		
+72	£31 Wall 29		
	+86 <u>24" Birch</u> 48		
		+90 <u>8" CE</u> 56	
		+66 <u>£ Ent</u> 52	+81 <u>£ Ent</u> 63
+53	S.W. Cor. Ho. 64	+49 <u>£ Ent</u> 22	+22' 22"
	+31 <u>6" WP</u> 41	+25 <u>PP</u> 25	+30 <u>Hyd</u> 21
	+10 <u>B-Lilac (8')</u> 22-46	+17 <u>8" CE</u> 35	
43	+01 <u>PP</u> 20	<u>BT</u> 9 12	+01 <u>WSO</u> 16
	+99 <u>10" Tree</u> 59	+86 <u>Tw 6" M</u> 38	
	+92 <u>6" WP</u> 29	+81 <u>NWC Cor. Ho</u> 71	
+75	5" WP 46	+70 <u>Bash</u> 35	+75 <u>1" P</u> 56
	+53 <u>5" WP</u> 29	+59 <u>£10 Conc Ent</u> 25	

June 1, 1965

19

1-S-F
3 1/2

27

Bit. Drive

26.5

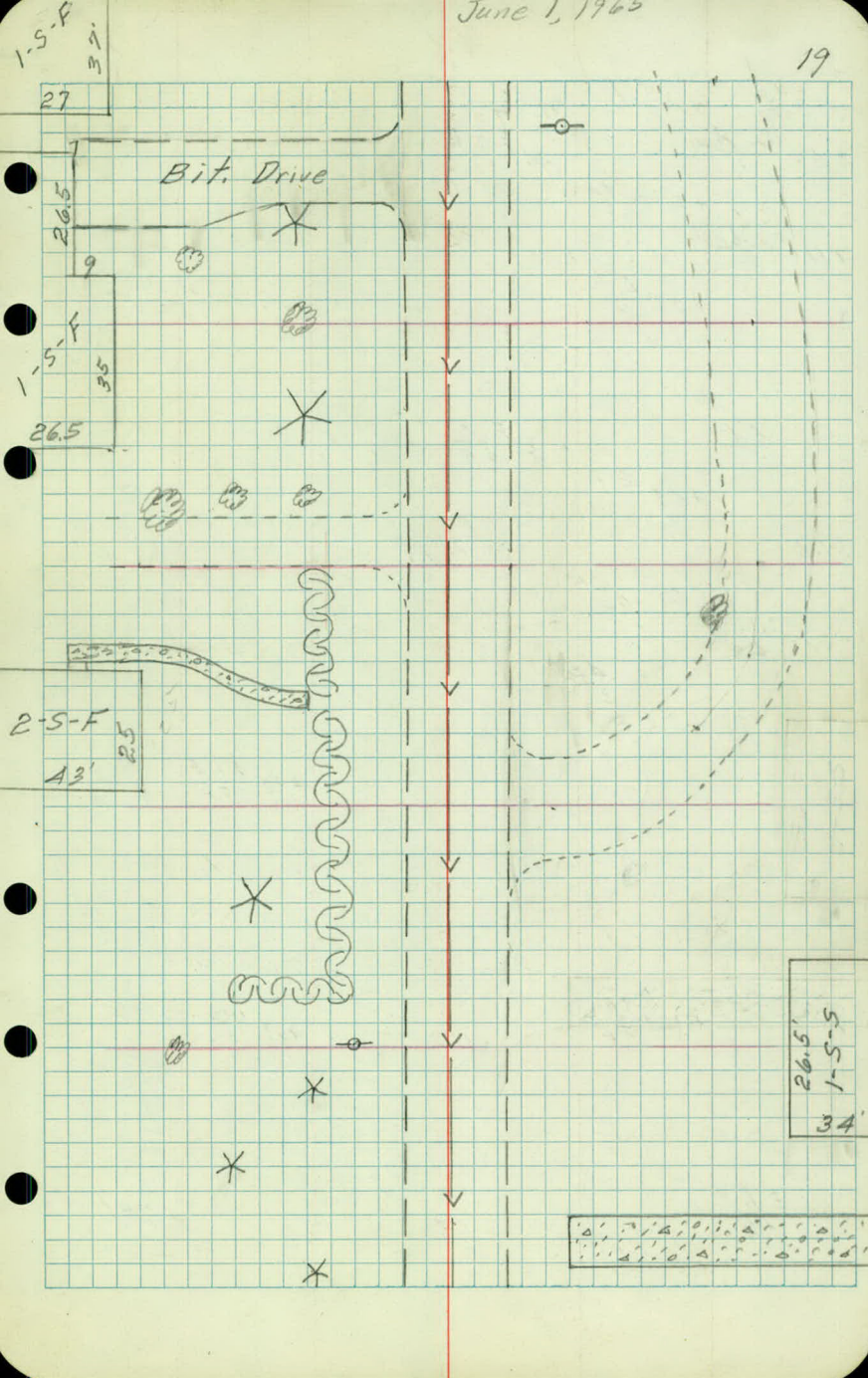
9

1-S-F
3 1/2

26.5

2-S-F
43' 2 1/2

26.5'
1-S-5
34'

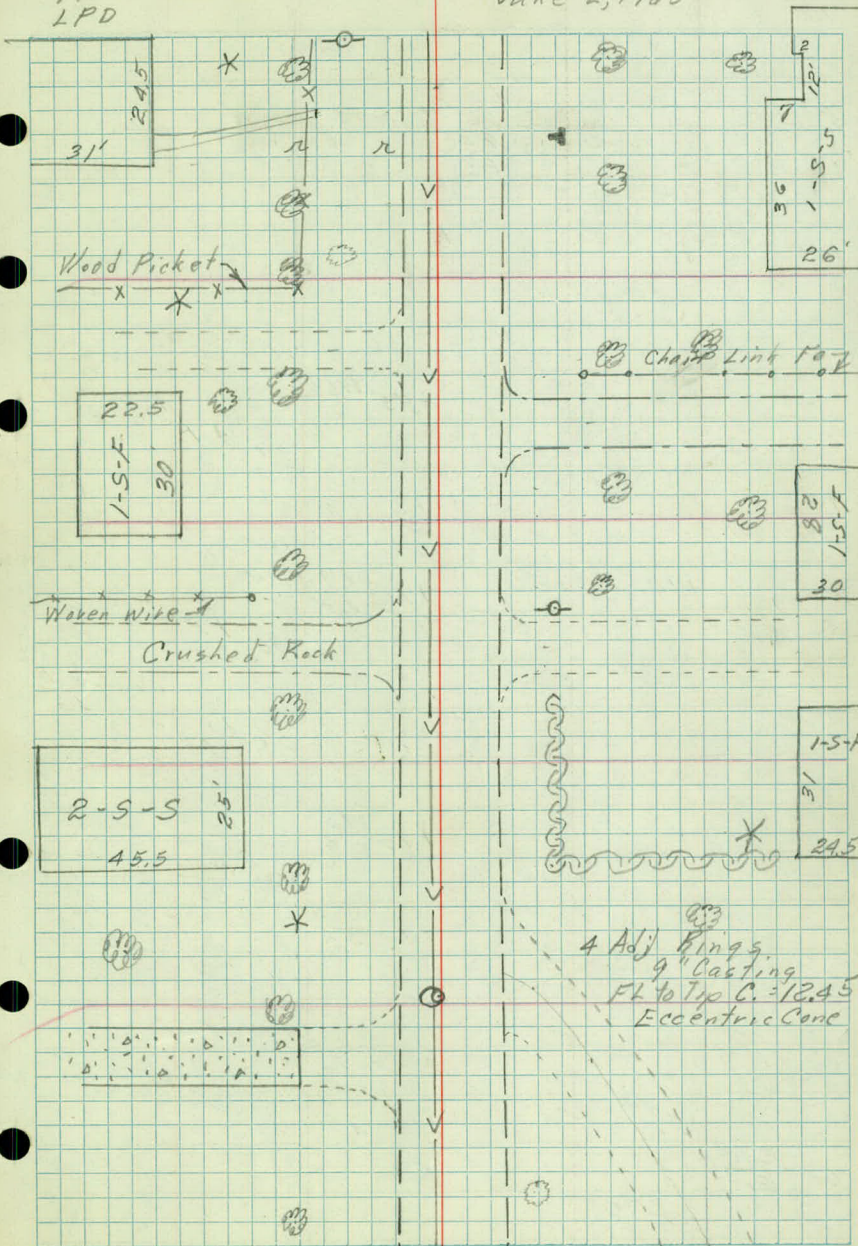


+23	SW Cor Ho	+49	PP	+45	2" P	
59		19		13		
+43	6" Bass			+34	B 30 Walk	+45
29				25		10" L
+29	5" P	+27	5" P	+39	RTic	
29		11		Walk		
+16	4" Bass			+03	12" BE	+29
29				30		Hyd
						23
47	+05	Lilac		BT		
	20			7	13	
				+01	NW Cor Ho	
					83	
				+83	12" BE	
				52		
+96	2" P			+89	Fe Cor	+80
54				29		B 1 Fe
						30
						+83
						12" Elm
						36
						+70
						£ 10' C. Rock
						Ent
+78	24" Elm			+57	16" Elm	+65
31				37		30" Walk
						33
						+51
						10" We B
						64
+47	SW Cor Ho			+36	1" Elm	+33
54				33		NW Cor Ho
						85
						+32
						PP
						24
+34	X Fe WW	+24	£ 10'	+13	£ Hebr	+23
39		Ent		23		£ 10'
						Ent
46	+11	30" BE		BT		
	32			8	12	
				+10	18" BE	
					39	
				+80	NW Cor Ho	
				86		
				+85	4" Pine	
				67		
				+78	£ 5' Buckthorn Hedge	
				23		
				+52	MH	
				1		
+78	SW Cor Ho			+68	8" Elm	+53
42				30		£ Ent
						19
				+68	1" P	
				30		
+61	18" BE			+38	£ Ent	
67				31		
+39	£ 12" Conc Ent	+48	24" Elm	+19	£ Ent	
30		34		43		
				+12	Honey suckle	
				19		
45	+05	24" CE				
	31					

FK
FK
LPD

June 1, 1965
June 2, 1965

20



50

BT
12-1224" M
100 33 + 63

+9A $\frac{\$3' \text{ Walk}}{25}$
 +79 $\frac{28" \text{ Elm}}{33}$
 160 S.W. Cor Ho 70 +67 $\frac{\text{Tw } 1" \text{ M}}{34}$

+56 $\frac{2" \text{ P}}{61}$
 146 Hedge 34 +55 $\frac{\text{Tw } 1" \text{ M}}{35}$

+42 $\frac{28" \text{ Elm}}{33}$ +76 Row Pines 10"
 124 $\frac{36" \text{ Elm}}{32}$ +15 $\frac{\$152' \text{ Rock}}{\text{Ent}}$ 38-50-62-74
 +15 $\frac{30" \text{ Walk}}{24}$ +50 $\frac{\$3' \text{ Walk}}{45}$
 +39 $\frac{10" \text{ P}}{34}$

19 +04 $\frac{6" \text{ BF}}{34}$ BT
 97 S.W. Cor Ho 68 10-12

+95 $\frac{6" \text{ BF}}{35}$ +98 $\frac{\text{N.W. Cor Ho}}{76}$

184 $\frac{6" \text{ BF}}{34}$ +95 $\frac{1" \text{ P}}{30}$ +90 $\frac{\text{PP}}{24}$

+77 $\frac{\$10" \text{ Bit}}{\text{Ent}}$ +85 $\frac{10" \text{ P}}{34}$

+68 $\frac{\text{PP}}{19}$ +76 Row 7" Pine
 49-59-69

+65 $\frac{30" \text{ Elm}}{32}$ +56 $\frac{\$13' \text{ Gravel}}{\text{Ent}}$

36 MH 1 +43 $\frac{\text{StP}}{36}$ +48 $\frac{\text{N.W. Cor Ga}}{66}$

+39 $\frac{\$16' \text{ Ent}}{\text{Ent}}$ +20 $\frac{\text{N.W. Cor House}}{73}$

+14 $\frac{\text{W50}}{20}$ +07 $\frac{18" \text{ Elm}}{49}$

18 +04 $\frac{32" \text{ Elm}}{33}$ BT
 7-13

+06 $\frac{\text{StP}}{72}$ +82 $\frac{6" \text{ P}}{34}$ Row Pines
 to 150'

84 $\frac{1" \text{ P}}{33}$ +82 $\frac{4" \text{ P}}{39}$ +82 $\frac{10" \text{ P}}{32}$

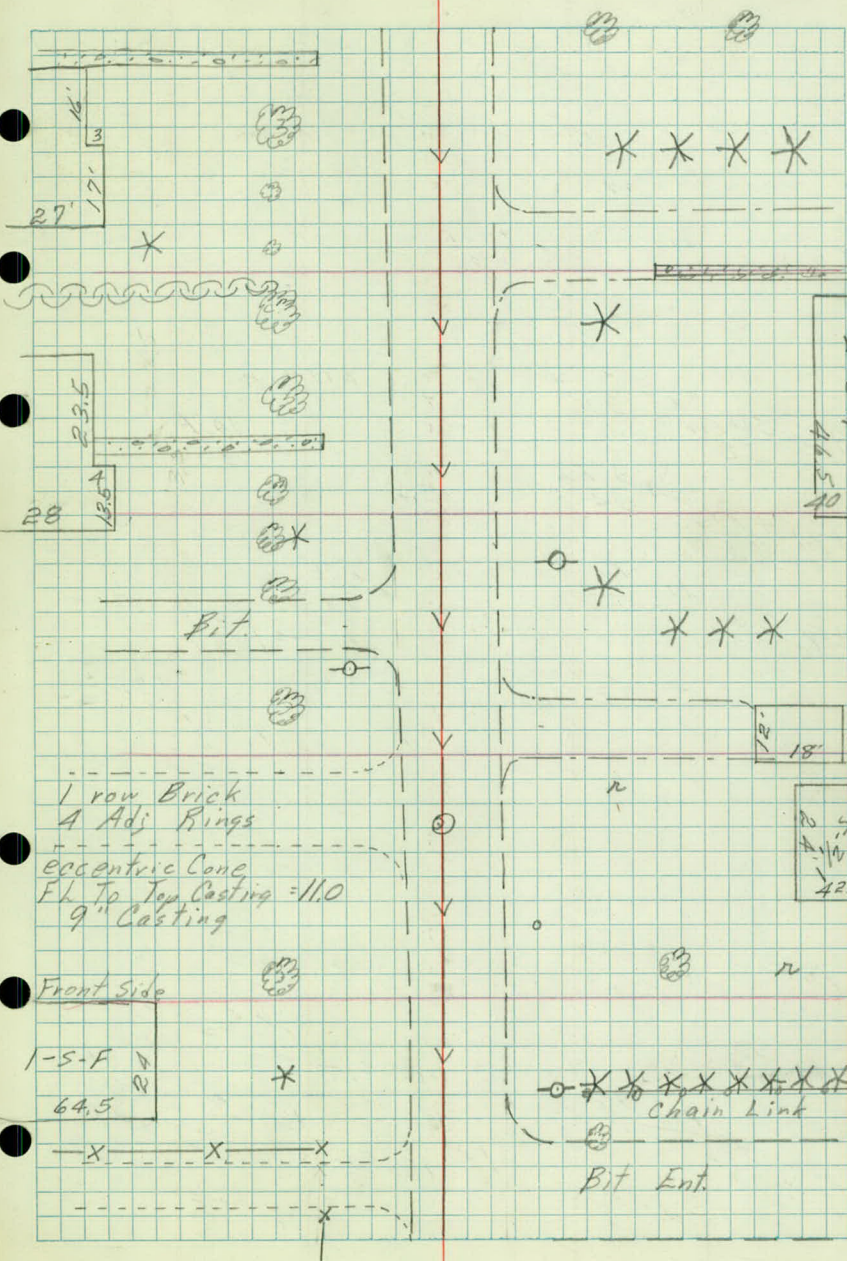
+75 $\frac{\text{S.W. Cor Ho}}{61}$ +82 $\frac{8" \text{ P}}{47}$ +81 $\frac{\text{PP}}{24}$

62 $\frac{\$10' \text{ Ent}}{\text{Ent}}$ +69 $\frac{x \text{ Fe}}{26}$ +80 $\frac{\text{Fe}}{30}$ +71 $\frac{\text{Lilac}}{32}$

+55 $\frac{\text{E Fe}}{25}$ +60 $\frac{\$20 \text{ Bit}}{\text{Ent}}$

June 2, 1965

21

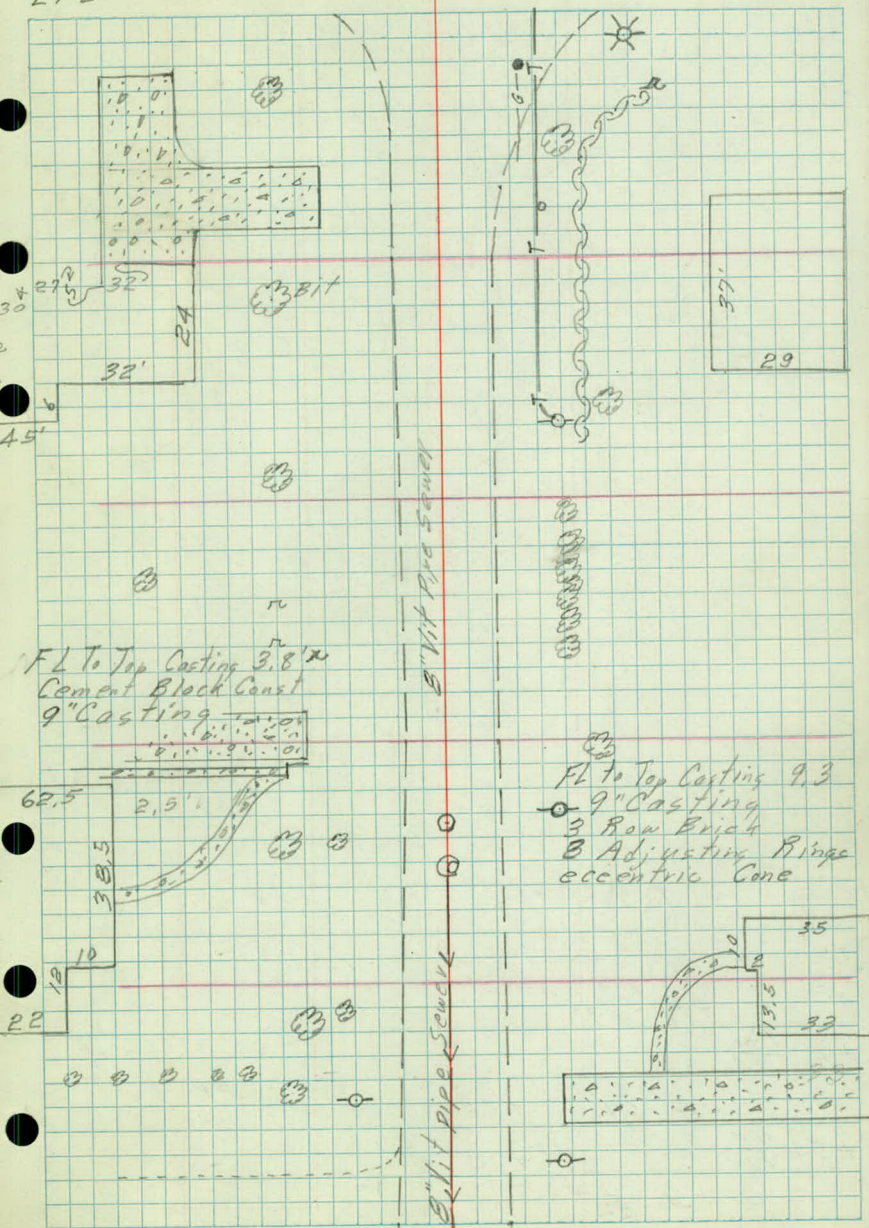


	+48 $\frac{POR}{18}$	+43 $\frac{PP}{26}$	+34 $\frac{STP}{44}$	+37 $\frac{POR}{22}$	+32 $\frac{End Hedge}{44}$
+35 $\frac{30" Elm}{76}$		+27 $\frac{BR}{10}$	+39 $\frac{GV}{17}$	+30 $\frac{Hedge}{37}$	+45 $\frac{Ave LT}{39}$
	+38 $\frac{Cor Conc}{71}$		+23 $\frac{24" O}{25}$		+20 $\frac{2 Hedge}{30}$
+34 $\frac{30" Elm}{35}$		+38 $\frac{Cor Conc}{55}$		+14 $\frac{BB}{13}$	+10 $\frac{WSO}{22}$
52	+13 $\frac{\$12 Conc Ent}{25}$	BT		Hedge	
		10 11		29	

	+92 $\frac{30" Elm}{35}$		+76 $\frac{NW Cor Ho}{57}$	
+75 $\frac{SW Cor Ho}{52}$			+69 $\frac{14" Elm}{33}$	
	+54 $\frac{30" Elm}{34}$		+62 $\frac{B Hedge}{29}$	+66 $\frac{PP}{24}$
+34 $\frac{4" Elm}{63}$		+27 $\frac{STP}{35}$		+48 $\frac{6" CE}{26}$
	+21 $\frac{STP}{35}$		+34 $\frac{6" CE}{27}$	+42 $\frac{6" CE}{67}$
+18 $\frac{STP}{28}$		+19 $\frac{STP}{37}$		+31 $\frac{Busk}{37}$
	+15 $\frac{30" Elm}{34}$		+24 $\frac{1" CE}{26}$	+29 $\frac{6" CE}{26}$
51	+02 $\frac{\$10 Conc Drive}{29}$	BT		+19 $\frac{1" CE}{26}$
		8 11		

		+97 $\frac{16" Birch}{32}$		
	+94 $\frac{V. Walk}{33}$		+87 $\frac{Hedge}{28}$	
+78 $\frac{36" Elm}{34}$		+79 $\frac{4" Walnut}{23}$	+83 $\frac{MH}{0.5}$	+86 $\frac{PP}{23}$
	+54 $\frac{SW Cor Ho}{70}$		+74 $\frac{6" Walnut}{33}$	
+44 $\frac{4" Walnut}{22}$		+41 $\frac{30" Elm}{33}$	+73 $\frac{MH}{1.5}$	
	+32 $\frac{Row Arboreal}{42}$		+38 $\frac{N.W. Cor Ho}{64}$	
+27 $\frac{10" BR}{33}$		+26 $\frac{PP}{20}$	+26 $\frac{\$10 Conc Ent}{23}$	+36 $\frac{\$2 Walk}{43}$
50	+04 $\frac{\$15 Ent}{Ent}$		+13 $\frac{PP}{23}$	

22



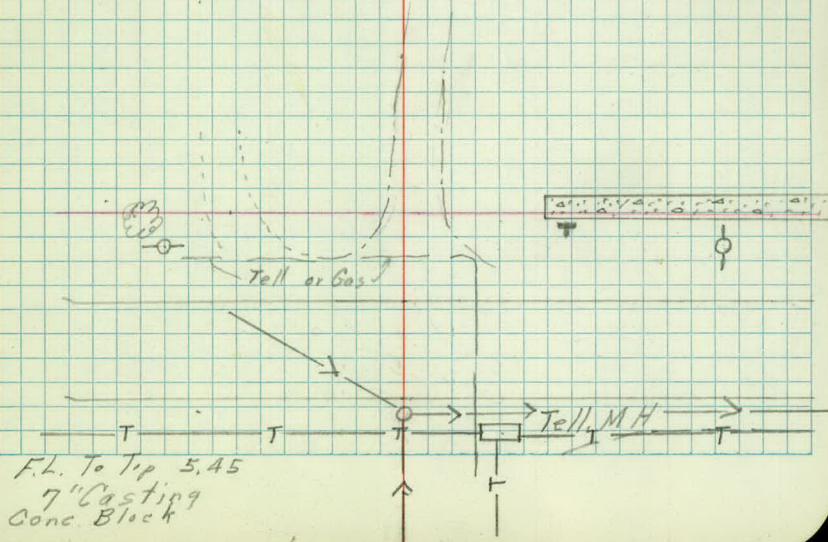
Rt side

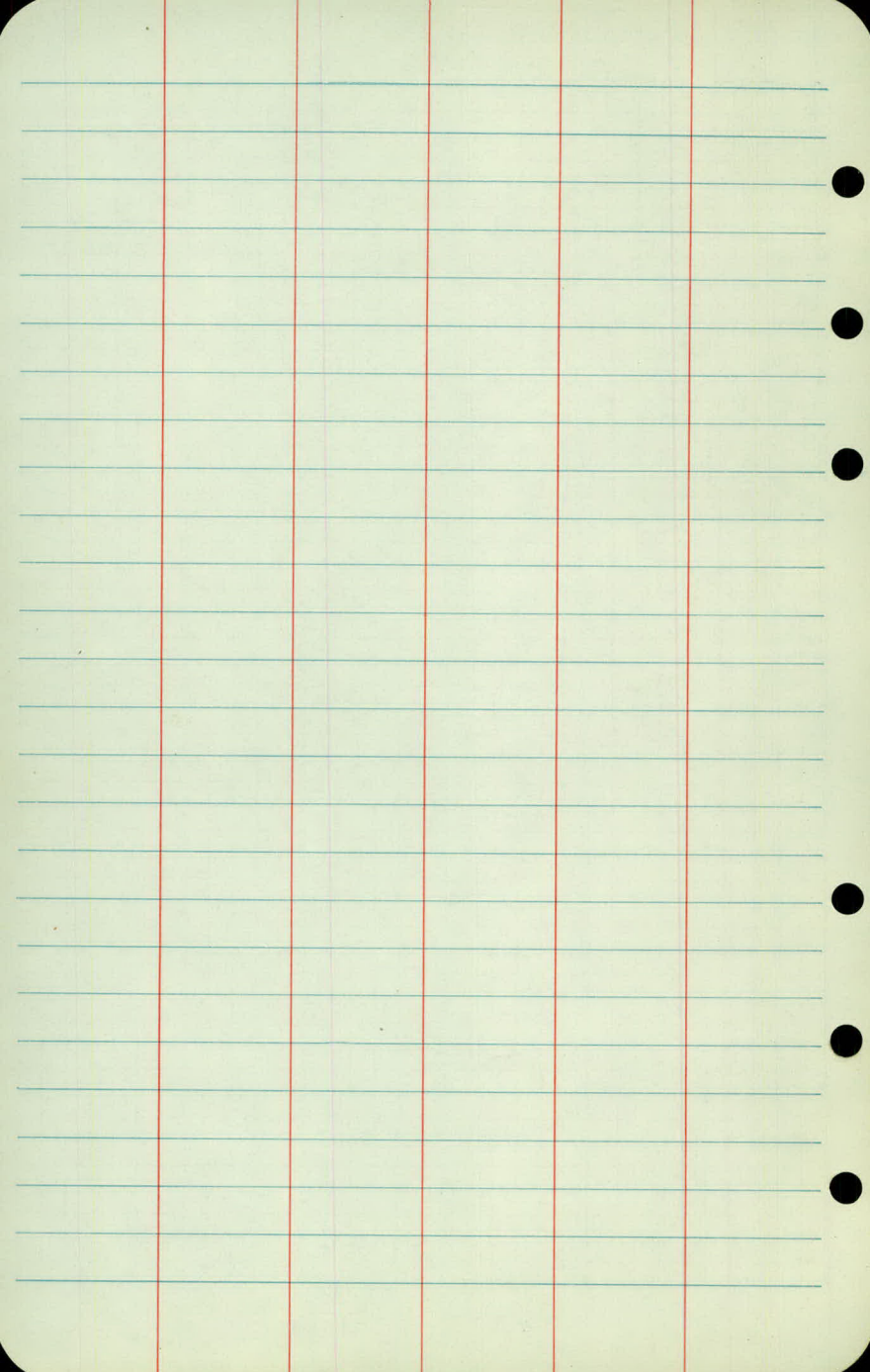
Lt. Side

53	+100 $\frac{\phi}{3}$ Ent	+100 $\frac{\phi}{36}$ Ent
	NWC, A Walk	
	+99 29	
+95 $\frac{Hyd}{34}$		+97 $\frac{18''}{55}$
	+93 $\frac{PP}{67}$	+93 $\frac{PP}{50}$
+54 $\frac{MH}{21}$	+81.5 E Conc	
	+62 B Conc	
	Rd	
+55 $\frac{ER}{52}$	+58 $\frac{MH}{\phi}$	+59 $\frac{ER}{43}$

June 3, 1965

23





9th St. Bench Levels

BM	+	$\bar{A}$	-	Elev
----	---	-----------	---	------

BM	5.00	938.81		933.81
----	------	--------	--	--------

BM	1.75	938.88	1.68	937.13
----	------	--------	------	--------

BM	2.40	939.56	1.72	937.16
----	------	--------	------	--------

TP	4.70	940.12	4.14	935.42
----	------	--------	------	--------

BM	2.89	941.20	1.81	938.31
----	------	--------	------	--------

TP	1.41	941.14	1.47	939.73
----	------	--------	------	--------

BM	2.46	941.52	2.08	939.06
----	------	--------	------	--------

BM	3.16	942.07	2.61	938.91
----	------	--------	------	--------

BM	4.40	942.07	4.40	937.67
----	------	--------	------	--------

BM	2.83	941.74	3.16	938.91
----	------	--------	------	--------

BM	2.29	941.35	2.68	939.06
----	------	--------	------	--------

TP	1.51	941.25	1.61	939.74
----	------	--------	------	--------

BM	0.93	939.24	2.94	938.31
----	------	--------	------	--------

BM	1.52	938.68	2.08	937.16
----	------	--------	------	--------

BM	1.77	938.91	1.54	937.14
----	------	--------	------	--------

BM	4.70	938.53	5.08	933.83
----	------	--------	------	--------

BM	2.56	939.29	1.80	936.73
----	------	--------	------	--------

BM	2.48	938.95	2.82	936.47
----	------	--------	------	--------

BM			5.65	933.30
----	--	--	------	--------

Top Monument Bald Eagle Ave & 5th St.

Hyd

Hyd

SW

Top Hyd. Bald Eagle Av + 9th St.

Post

Top Hyd by #4981 Bald Eagle Ave.

Top Hyd by #5025 " " "

Top Mont N $\frac{1}{4}$ Cor Sec. 14

Top Hyd by #5025 Bald Eagle Ave.

Top Hyd by #4981 " " "

post

Top Hyd S.E. Cor Bald Eagle Ave & 9th St

Top Hyd Across from #623 " " "

Top Hyd NE Cor 6th St + Bald Eagle Ave.

Top Mont & 5th St + Bald Eagle Ave.

Top Hyd N.W. Cor 4th St & " " "

Top Hyd S.E. Cor 3rd & " " "

USGS BM in St. Mary's School Yard

BM	+	Δ	-	Elev.	
BM	1.00	939.31			(938.31)
BM	1.72	939.90	1.13	938.18	
BM	1.57	938.49	2.98	936.92	
BM	1.97	938.24	2.22	936.27	
BM	2.16	938.67	1.73	936.51	
BM	1.51	937.20	2.98	935.69	X
BM	1.24	937.38	1.06	936.14	T
BM	2.31	938.87	0.82	936.56	u
BM	1.86	938.52	2.21	936.66	✓ X
BM	4.42	939.03	3.91	934.61	u
BM	3.26	936.02	6.27	932.76	u X
TP	5.07	929.54	11.55	924.47	x
BM	2.94	929.77	2.71	926.83	✓ X
TP	11.22	935.69	5.30	924.47	x
BM	6.51	939.27	2.93	932.76	u
BM	3.65	938.26 ²⁷	4.65	934.61 ⁶²	+0.01 Carried thru
BM	1.72	938.38 ³⁹	1.60	936.66 ⁶⁷	✓
BM	0.88	937.43 ⁴⁴	1.83	936.55 ⁵⁶	u
BM	1.86	937.99 ^{8.00}	1.30	936.13 ¹⁴	T

Top Hyd S.E. Cor. 9th & Bald Eagle Ave

Top Hyd by #1312 - 9th St.

Top Hyd by #1416 - 9th St.

Top Hyd S.W. Cor. Wood Ave & 9th St

Top Hyd by #1802 - 9th St.

Top Hyd S.E. Cor. Woodcrest & 9th St.

Top Hyd by Ho #1758 - 9th St.

Top Hyd 23' Rt Sta 19+92

Top Hyd 24' Rt Sta 15+86

Red

Spike in N. Side PP Rt Sta 11+66

S.E. Cor Lower Step Ho #1607 - 9th St

Nail in TP Lt Sta 3+41

Red

Spike in T.P. N.W. Cor 9th St & Otter Lake Rd.

Nail in TP Lt Sta 3+41

S.E. Cor. Lower Step Ho #1607 - 9th St

ed Spike in N. Side PP Rt Sta 11+66

Top Hyd 24' Rt Sta 15+86

Top Hyd 23' Rt Sta 19+92

Top Hyd by Ho #1758 - 9th St.

Sta	+	π	-	Elev	
		8.00 937.99			
		.11		70	
BM	3.41	939.10	2.30	935.69	935.69
		.51		.50	
BM	2.01	938.50	2.61	936.49	51
		.82		.26	
BM	2.56	938.81	2.25	936.25	29
		.60		.91	
BM	3.69	940.59	1.91	936.90	92
		.42		.17	
BM	1.25	939.41	2.43	938.16	24 18
				.32	
BM			1.10	938.31	+0.01

June 4, 1965

27

● Top Hyd S.E. Cor. Woodcrest & 9th St.

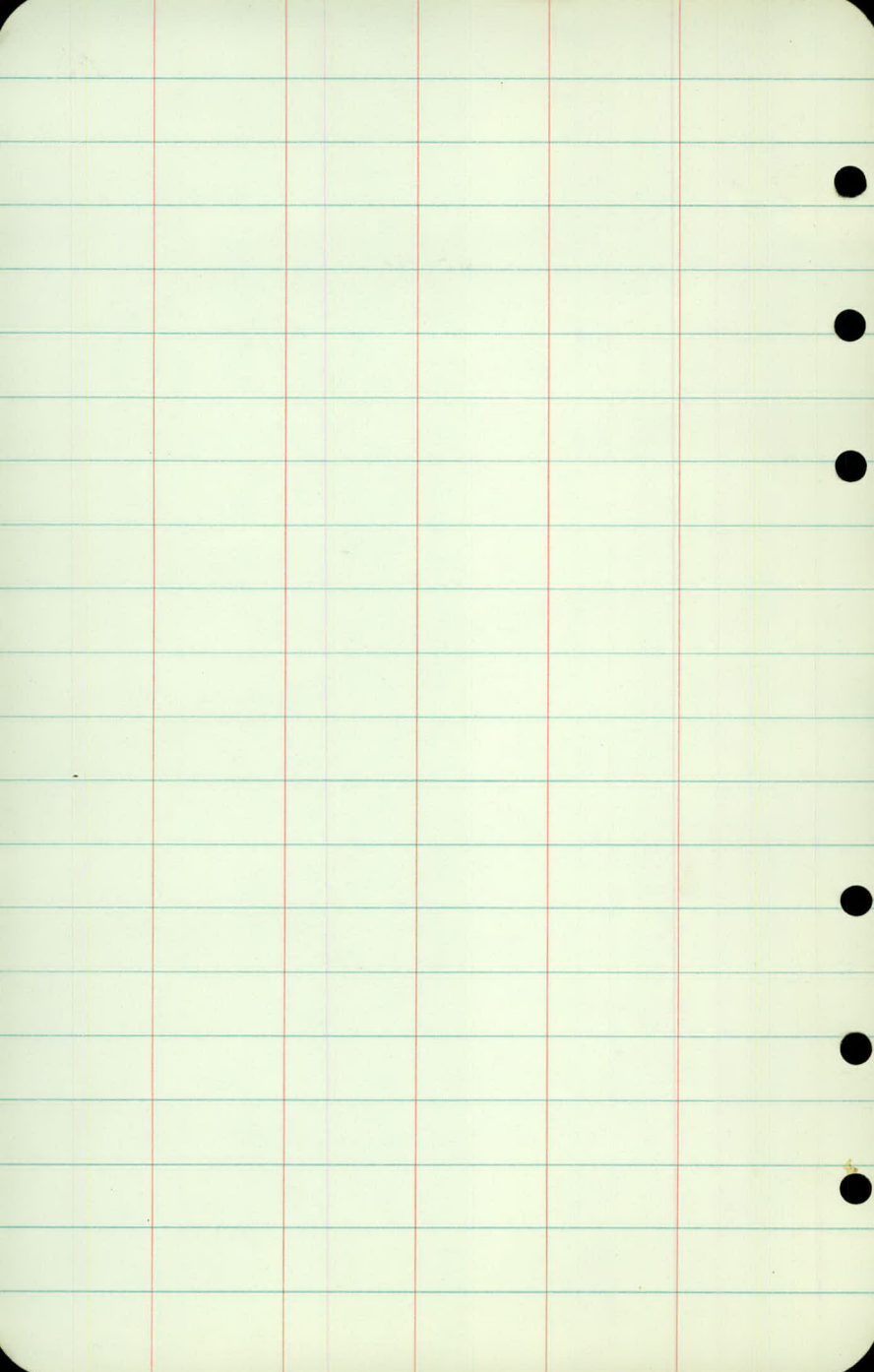
Top Hyd Bg # 1802 - 9th St.

● Top Hyd S.W. Cor. Wood Ave & 9th St.

Top Hyd by # 1416 - 9th St

● Top Hyd by # 1312 - 9th St

Top Hyd S.E. Cor 9th St & Bald Eagle Ave.



June 4, 1963

28

X-Sections

Sta + π - Elev

BM 5.94 932.77

926.83

0+00 $\neq$ Otter Lake Rd

✓
+10 Edge Bit.

+18 Shoulder

+25 $\neq$ Ditch

+29 ^{Top} Back Slope Lt

FX
WM
LPD

LT

June 4, 1965

RT

29

Spike in T.P. N.W. Cor. 9th St. 40th Lake Road

2 ^{5.1}	2 ^{6.2}	2 ^{6.1}	2 ^{1.2}	2 ^{7.4}	2 ^{1.5}	2 ^{1.6}	2 ^{1.6}	2 ^{1.1}
7.1	6.6	6.1	5.6	5.35	5.3	5.2	5.2	5.1
100	75	50	25		25	50	75	100

2 ^{5.3}	2 ^{4.8}	2 ^{4.5}	2 ^{4.3}	2 ^{8.1}	2 ^{9.0}	2 ^{1.8}	2 ^{1.1}
7.5	8.0	8.3	8.5	4.7	4.8	5.0	5.1
125	150	175	200	200	175	150	125

2 ^{6.2}	2 ^{6.3}	2 ^{1.1}	2 ^{1.3}	2 ^{1.3}	2 ^{1.1}	2 ^{1.1}	2 ^{1.1}
6.6	6.3	5.7	5.3	5.5	5.4	5.4	5.4
77	61	29	18	40	67	75	

2 ^{6.9}	2 ^{6.4}	2 ^{6.2}	2 ^{1.3}	2 ^{6.1}	2 ^{6.9}	2 ^{6.9}	2 ^{1.0}
6.9	6.4	6.2	5.5	6.1	5.9	5.9	5.8
75	50	23	17	29	61	75	

2 ^{3.3}	2 ^{3.5}	2 ^{2.6}	2 ^{2.9}	2 ^{6.8}	2 ^{1.3}	2 ^{6.5}	2 ^{5.0}	2 ^{1.1}	2 ^{1.1}
8.5	8.3	8.2	7.84	6.0	5.5	6.3	7.73	7.4	7.1
75	62	40	FL 15" CM	19		12	FL 15" CM	37	60
			22				14		75

2 ^{2.3}	2 ^{1.1}	2 ^{1.9}	2 ^{1.1}	2 ^{6.1}	2 ^{6.1}	2 ^{1.1}	2 ^{1.0}	2 ^{1.9}	2 ^{6.6}	2 ^{6.1}
5.5	5.4	4.9	5.4	6.1	5.9	5.4	5.8	5.9	6.2	6.1
75	71	46	23	19	17		11	19	47	75

Sta + π - Elev

932.77

0+37 Top Backslope Rt

+67

1

+36

+54

TP 3.38 929.10 7.05 925.72

2

4.63 924.47

June 4, 1965

30

LT

♀

RT

2 ^{1.6}	2 ^{1.6}	2 ^{1.1}	2 ^{1.9}	2 ^{1.1}	2 ^{1.4}	2 ^{1.1}	2 ^{1.9}	2 ^{1.3}	2 ^{1.0}	2 ^{1.2}
52	52	51	59	57	54	57	39	35	38	36
75	47	25	18	15		8	12	19	44	75

2 ^{1.6}	2 ^{1.8}	2 ^{1.9}	2 ^{1.2}	2 ^{1.4}	2 ^{1.2}	2 ^{1.4}	2 ^{1.0}	2 ^{1.1}	2 ^{1.0}	2 ^{1.0}
52	50	49	56	54	56	34	38	37	38	38
75	51	28	14		7	12	23	44	64	75

2 ^{1.9}	2 ^{1.6}	2 ^{1.6}	2 ^{1.6}	2 ^{1.0}	2 ^{1.1}	2 ^{1.8}	2 ^{1.9}	2 ^{1.2}	2 ^{1.3}
49	52	53	62	58	61	40	39	36	35
Bl ⁶⁹	44	26	13		8	11	28	48	Ho
64									62

2 ^{1.6}	2 ^{1.1}	2 ^{1.4}	2 ^{1.8}	2 ^{1.2}	2 ^{1.0}	2 ^{1.0}	2 ^{1.1}	2 ^{1.0}	2 ^{1.5}
52	51	54	70	66	68	48	49	48	53
64	40	23	13		8	12	33	53	75

2 ^{1.9}	2 ^{1.6}	2 ^{1.0}	2 ^{1.1}	2 ^{1.8}	2 ^{1.5}	2 ^{1.3}	2 ^{1.6}	2 ^{1.4}	2 ^{1.5}
49	52	58	71	70	73	75	72	64	63
64	50	31	17		9	18	35	54	75

2 ^{1.1}	2 ^{1.6}	2 ^{1.1}	2 ^{1.4}	2 ^{1.5}	2 ^{1.7}	2 ^{1.3}	2 ^{1.6}	2 ^{1.5}	2 ^{1.6}	2 ^{1.4}
14	15	24	37	46	44	48	55	56	53	47
75	63	42	27	15		7	16	40	63	75

Sta + π - Elev

929.10

2+50

+86

✓

3

✓

+50

June 4, 1965

LT

RT

RT

31

26.0	25.5	24.5	23.6	23.0	23.4	22.3	21.5	23.3	24.4
25	36	46	57	55	52	57	68	76	58 47
75	58	38	22	13	6	18	30	64	75

22.1	22.1	22.35	23.1	23.0	23.1	23.4	21.00	21.3	22.0	22.1
64	64	675	6.0	52	54	57	744	78	71	67 54
35	24	FLIR CM 16	6	7	FLIR CM 28	42	54	75		
		19				11				

21.2	21.4	21.2	23.4	25.1	24.9
79	77	79	57	34	42
37	41	46	58	67	78

21.5	21.5	21.1	23.4	24.0	23.0	23.5	22.2	21.4	21.6	22.0
76	76	74	5.7	5.1	5.3	5.6	6.9	7.7	7.5	71
40	30	22	17	4	7	13	19	31	43	

19.1	21.1	23.0	26.0
94	8.0	6.1	3.1
48	62	67	76

4 Pitch

23.1	22.0	22.1
54	63	70
79	72	60

22.2	22.0	22.8	24.2	24.1	24.5	24.2	23.3	22.3	21.0	22.1
69	71	63	4.9	4.4	4.6	4.9	5.8	6.8	7.2	7.0
75	45	26	18	5	7	11	28	35	42	

22.0	19.1
71	94
75	Ditch

22.2	21.0	21.0
6.9	7.3	7.2
75	71	58

Sta	+	π	-	Elev
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		929.10		
--	--	--------	--	--

4				
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TP	10.67	935.14	4.63	924.47
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+28				
-----	--	--	--	--

✓				
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+50				
-----	--	--	--	--

✓				
---	--	--	--	--

5				
---	--	--	--	--

June 4, 1965

32

11

24.5	24.1	25.0	25.0	25.3	26.5	25.4	26.0	25.0	25.5	25.9	23.6
46	2	2	2	2	2	2	2	2	2	2	2
44.1	4.1	3.8	3.6	3.7	4.1	4.1	4.6	5.2	5.5		
75	59	37	24	14	3		6	15	31	54	75

24.9	25.5	25.1	26.1	26.1	25.9	25.3	26.0	25.6	25.3	25.2
24	2	2	2	2	2	2	2	2	2	2
10.2	9.6	9.4	9.0	9.0	9.2	9.8	9.1	9.5	9.8	9.9
75	51	35	20	5		6	15	24	44	63

24.1
10.4
75

24.9	24.4	25.8	26.1	26.2	26.6	26.4	26.0	26.1	26.9	26.0
2	2	2	2	2	2	2	2	2	2	2
9.2	8.7	8.3	8.4	8.9	8.5	8.7	9.1	8.0	8.2	7.7
75	61	43	19	14	5		7	16	23	31

26.6
8.5
75

28.0	28.2	28.8	28.1	28.1	28.1	28.9	28.8	28.3	29.4	29.5	29.0
2	2	2	2	2	2	2	2	2	2	2	2
7.1	6.9	6.3	6.4	7.4	7.0	7.2	7.3	6.8	5.7	5.6	6.1
75	65	42	22	13	5		5	11	28	58	75

Sta + A - Elev.

935.14

5+50

6

+50

BM 5.79 938.55 2.38 932.76 (932.76)

+75 ∇ Ent Rt.

7

+16

FX
PK
LPD

LT

June 4, 1965
June 7, 1965
RT

33

30.4	30.1	31.0	30.9	29.1	29.8	29.6	29.6	29.9	30.6	30.3	30.1
47	44	41	42	60	53	55	56	52	45	48	50
75	56	36	21	14	4		7	20	41	64	75

31.6	31.8	31.8	31.9	30.8	31.2	31.0	30.8	31.0	31.1	31.0	30.8
35	33	33	32	43	39	41	43	41	40	41	43
75	56	38	21	15	4		7	23	40	59	75

32.4	32.4	32.6	32.4	31.9	32.4	32.2	31.9	32.2	32.0	32.1	31.9
2.7	2.7	2.5	2.7	3.2	2.7	2.9	3.2	2.9	3.1	3.0	3.2
75	61	44	18	14	4		6	10	26	50	75

32.1	32.8	33.0	33.0	32.5	32.9	32.1	32.5	33.0	33.86	33.93
5.9	5.8	5.6	5.6	6.1	5.7	5.9	6.1	5.6	4.69	4.6
75	67	35	18	14	3		8	34	61	75

Conc Ent

33.0	33.3	33.4	33.4	33.2	33.0	32.8	33.6	34.1	34.1	35.2
5.6	5.3	5.2	5.7	5.4	5.6	5.8	5.0	4.5	3.9	3.4
75	52	19	14	4		7	27	51	66	75

Walk

32.9	33.2	33.2	33.1	33.4	33.2	33.0	33.4	33.8	34.1	34.1
5.7	5.4	5.4	5.5	5.2	5.4	5.6	5.2	4.8	4.53	
75	51	29	13	4		6	8	29	48	75

Sta	+	π	-	Elev.
		938.55		

7+50

B

+14 Ents R+421

+50

9

T.P.	5.70	939.98	4.27	934.28
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+50

June 7, 1965

At 33

33.1 33.8 33.1 33.4 33.7 33.5 33.1 33.9 33.0 33.1
50 49 4.8 4.5 5.2 4.9 5.1 4.9 4.7 4.6 4.5
75 68 42 19 13 5 8 30 53 75

33.8 33.9 34.6 34.0 34.2 34.0 33.9 34.1 34.0 34.2 34.3
4.8 4.7 4.0 4.6 4.4 4.6 4.7 4.5 4.6 4.4 4.3
75 42 20 12 4 8 12 27 53 75

33.8 34.0 34.4 34.2 34.3 34.1 34.2 34.3 34.3 34.3
4.8 4.6 4.2 4.4 4.3 4.5 4.4 4.3 4.3 4.3
75 52 23 12 4 8 27 51 75

34.3 34.4 34.6 34.6 34.2 34.4 34.3 34.3 34.1 34.1 34.9 34.1
4.3 4.2 4.0 4.0 4.4 4.2 4.3 4.3 4.5 4.5 4.7 4.5
75 59 36 16 11 3 8 17 42 66 75

34.4 34.2 34.3 34.6 34.3 34.3 34.28 34.2 34.0 33.9 33.9
4.2 4.4 4.3 4.0 4.3 4.3 4.27 4.4 4.6 4.7 4.7
75 65 42 20 13 4 9 34 52 75

34.1 34.2 34.3 34.3 34.5 34.4 34.4 34.2 33.8 33.5 33.8
5.9 5.8 5.7 5.7 5.5 5.6 5.6 5.8 6.2 6.5 6.2
75 51 27 12 3 8 18 45 67 75

Sta + π - Elev.

939.98

10

+22 $\angle$ Ent Lt

+50

11

+50

+89 $\angle$ Ent Rt

BM A.16 938.77 5.37 934.61 (934.61)

LT

June 7, 1965

RT 34

3 ^{4.1}	3 ^{4.6}	3 ^{4.8}	3 ^{4.8}	3 ^{4.8}	3 ^{4.1}	3 ^{4.6}	3 ^{4.7}	3 ^{4.7}	3 ^{4.3}	3 ^{4.1}	3 ^{4.2}
5.3	5.4	5.2	5.2	5.2	5.3	5.4	5.3	5.3	5.7	5.9	5.8
75	51	24	14	3		8	10	18	43	62	75

3 ^{5.1}	3 ^{5.0}	3 ^{5.1}	3 ^{4.8}	3 ^{4.1}	3 ^{4.9}	3 ^{4.7}	3 ^{4.5}	3 ^{4.7}	3 ^{4.1}	3 ^{4.9}	3 ^{4.9}
4.9	5.0	4.9	5.2	5.3	5.1	5.3	5.5	5.3	5.9	6.1	6.1
75	68	47	21	11	3		6	16	41	59	75

3 ^{5.2}	3 ^{5.2}	3 ^{5.1}	3 ^{5.4}	3 ^{4.7}	3 ^{4.8}	3 ^{4.8}	3 ^{4.5}	3 ^{4.8}	3 ^{4.3}	3 ^{4.1}	3 ^{4.2}
4.8	4.8	4.9	4.6	5.3	5.2	5.2	5.5	5.2	5.7	5.9	5.8
75	67	44	17	11	3		5	18	40	61	75

3 ^{4.2}	3 ^{4.1}	3 ^{4.1}	3 ^{4.2}	3 ^{4.6}	3 ^{4.6}	3 ^{4.4}	3 ^{4.4}	3 ^{4.0}	3 ^{4.1}	3 ^{4.1}
5.8	5.9	5.9	5.8	5.4	5.4	5.6	5.6	6.0	6.3	6.3
75	53	26	11	3		4	16	36	55	75

3 ^{4.1}	3 ^{4.1}	3 ^{4.8}	3 ^{4.3}	3 ^{4.1}	3 ^{4.4}	3 ^{4.3}	3 ^{4.0}	3 ^{4.0}	3 ^{4.8}	3 ^{4.1}	3 ^{4.1}
6.3	6.3	6.2	5.7	5.9	5.6	5.7	6.0	6.0	6.2	6.3	6.3
75	53	34	15	11	3		4	17	39	59	75

3 ^{4.5}	3 ^{4.1}	3 ^{4.5}	3 ^{4.1}	3 ^{4.0}	3 ^{4.2}	3 ^{4.1}	3 ^{4.9}	3 ^{4.9}	3 ^{4.9}	3 ^{4.5}
6.5	6.3	6.5	5.9	6.0	5.8	5.9	6.1	6.1	6.1	6.5
75	53	33	17	12	3		5	22	45	75

Red Spike in N. Side P.P. RT Sta 11+36

Sta + T - Elev:

938.77

12

+50

+89 ± Ent Rt

13

+50

14

TP 4.63 938.96 4.44 934.33

June 7, 1965

11

81 35

3.5 3.4 3.4 3.9 3.2 3.1 3.8 3.3 3.0 3.8 3.8
 5.3 5.4 5.4 4.7 4.9 4.6 4.7 5.0 4.5 4.8 5.0 5.0
 75 50 26 15 11 3 5 13 21 47 75

3.9 3.8 3.0 3.8 3.0 3.0 3.9 3.6 3.1 3.1 3.6 3.9
 4.9 5.0 4.8 5.0 5.2 4.8 4.9 5.2 4.7 5.1 5.2 4.9
 75 50 21 14 11 3 7 13 23 50 74
 Ho

3.4 3.0 3.0 3.1 3.6 3.0 3.9 3.6 3.1 3.0 3.9
 4.7 4.8 4.8 4.7 5.2 4.8 4.9 5.2 4.7 4.8 4.9
 75 53 34 19 12 2 8 29 51 75

3.4 3.3 3.0 3.1 3.1 3.0 3.0 3.1 3.9 3.6 3.8 3.8 3.1
 4.4 4.5 4.8 5.1 5.1 4.8 4.8 5.1 4.9 5.2 5.0 5.0 4.7
 75 57 33 19 11 2 6 13 22 41 62 75

3.8 3.6 3.3 3.1 3.5 3.9 3.6 3.1 3.4 3.3 3.4
 5.0 5.2 5.5 5.1 5.3 4.9 5.2 5.1 5.4 5.5 5.4
 75 50 25 15 12 6 10 21 45 75

3.8 3.0 3.0 3.6 3.0 3.6 3.0 3.1 3.6 3.0 3.6
 5.0 4.8 4.8 5.2 4.8 5.2 4.8 5.1 5.3 5.2 5.3
 75 60 23 11 8 10 19 43 68 75

Sta + π - Elev.

938.96

14+50

+83 W. Edge Ent

15 E. Edge Ent

+50

+87

4.92

934.04

Top MH
£

16

+50

June 7, 1965

H.

2

Rt. 36

$\begin{matrix} \cdot 4 & \cdot 4 & \cdot 4 & \cdot 9 & \cdot 8 & \cdot 0 & \cdot 6 & \cdot 1 & \cdot 9 & \cdot 8 & \cdot 6 \\ 3^{\cdot 4} & 3^{\cdot 4} & 3^{\cdot 4} & 3^{\cdot 9} & 3^{\cdot 8} & 3^{\cdot 0} & 3^{\cdot 6} & 3^{\cdot 1} & 3^{\cdot 9} & 3^{\cdot 8} & 3^{\cdot 6} \\ 56 & 56 & 56 & 51 & 52 & 50 & 54 & 49 & 51 & 52 & 54 \\ 75 & 52 & 20 & 14 & 10 & & 6 & 13 & 20 & 40 & 75 \end{matrix}$

✓

$\begin{matrix} \cdot 8 & \cdot 6 & \cdot 1 & \cdot 8 & \cdot 9 & \cdot 1 & \cdot 8 & \cdot 6 & \cdot 5 & \cdot 5 \\ 3^{\cdot 8} & 3^{\cdot 6} & 3^{\cdot 1} & 3^{\cdot 8} & 3^{\cdot 9} & 3^{\cdot 1} & 3^{\cdot 8} & 3^{\cdot 6} & 3^{\cdot 5} & 3^{\cdot 5} \\ 52 & 54 & 53 & 52 & 51 & 53 & 52 & 54 & 55 & 55 \\ 75 & 51 & 23 & 9 & & 6 & 13 & 22 & 51 & 75 \end{matrix}$

✓

$\begin{matrix} \cdot 8 & \cdot 9 & \cdot 1 & \cdot 8 & \cdot 8 & \cdot 0 & \cdot 1 & \cdot 6 & \cdot 6 & \cdot 4 & \cdot 4 \\ 3^{\cdot 8} & 3^{\cdot 9} & 3^{\cdot 1} & 3^{\cdot 8} & 3^{\cdot 8} & 3^{\cdot 0} & 3^{\cdot 1} & 3^{\cdot 6} & 3^{\cdot 6} & 3^{\cdot 4} & 3^{\cdot 4} \\ 52 & 52 & 53 & 52 & 52 & 50 & 53 & 54 & 55 & 56 & 56 \\ 75 & 59 & 36 & 15 & 9 & & 6 & 12 & 34 & 53 & 75 \end{matrix}$

✓

$\begin{matrix} \cdot 9 & \cdot 9 & \cdot 1 & \cdot 0 & \cdot 8 & \cdot 0 & \cdot 1 & \cdot 6 & \cdot 4 & \cdot 6 & \cdot 3 \\ 3^{\cdot 9} & 3^{\cdot 9} & 3^{\cdot 1} & 3^{\cdot 0} & 3^{\cdot 8} & 3^{\cdot 0} & 3^{\cdot 1} & 3^{\cdot 6} & 3^{\cdot 4} & 3^{\cdot 6} & 3^{\cdot 3} \\ 51 & 51 & 53 & 50 & 52 & 50 & 56 & 54 & 56 & 54 & 57 \\ 75 & 49 & 24 & 12 & 9 & & 12 & 16 & 41 & 68 & 75 \end{matrix}$

✓

$\begin{matrix} \cdot 9 & \cdot 8 & \cdot 0 & \cdot 1 & \cdot 3 & \cdot 4 & \cdot 2 & \cdot 5 & \cdot 5 & \cdot 3 & \cdot 2 \\ 3^{\cdot 9} & 3^{\cdot 8} & 3^{\cdot 0} & 3^{\cdot 1} & 3^{\cdot 3} & 3^{\cdot 4} & 3^{\cdot 2} & 3^{\cdot 5} & 3^{\cdot 5} & 3^{\cdot 3} & 3^{\cdot 2} \\ 51 & 52 & 50 & 49 & 47 & 56 & 58 & 55 & 55 & 57 & 58 \\ 75 & 46 & 20 & 11 & & 14 & 20 & 22 & 26 & 49 & 75 \end{matrix}$

✓

$\begin{matrix} \cdot 0 & \cdot 9 & \cdot 8 & \cdot 9 & \cdot 4 & \cdot 6 & \cdot 1 & \cdot 4 & \cdot 4 & \cdot 3 \\ 3^{\cdot 0} & 3^{\cdot 9} & 3^{\cdot 8} & 3^{\cdot 9} & 3^{\cdot 4} & 3^{\cdot 6} & 3^{\cdot 1} & 3^{\cdot 4} & 3^{\cdot 4} & 3^{\cdot 3} \\ 50 & 51 & 52 & 51 & 46 & 54 & 53 & 56 & 56 & 57 \\ 75 & 52 & 25 & 10 & & 13 & 18 & 23 & 48 & 75 \end{matrix}$

Sta + π - Elev.

938.96

17

BM 2.005 938.68 2.285 936.675 (936.66)

+50

18

+50

19

+37

June 7, 1965

LT

✓

RT 37

3 ^{9.0}	3 ^{9.0}	3 ⁸	3 ^{9.1}	3 ^{9.0}	3 ^{9.2}	3 ^{9.1}	3 ^{9.0}	3 ^{9.1}	3 ^{9.2}
5.0	5.0	5.2	4.9	5.0	4.8	5.3	5.4	5.6	5.5
75	54	29	14	10		15	24	50	75
Tax Hyd RT Sta 15+86									

3 ^{9.0}	3 ⁸	3 ^{9.6}	3 ^{9.6}	3 ^{9.9}	3 ^{9.5}	3 ^{9.1}	3 ^{9.6}	3 ^{9.6}	3 ^{9.1}
4.7	4.9	5.1	5.1	4.8	5.2	5.0	5.1	5.1	5.0
75	48	32	9		13	16	38	63	75

3 ^{9.9}	3 ⁸	3 ^{9.1}	3 ^{9.8}	3 ^{9.5}	3 ^{9.8}	3 ^{9.5}	3 ^{9.8}	3 ^{9.1}	3 ^{9.1}
4.8	4.9	5.0	4.9	5.2	4.9	5.2	4.9	5.3	5.3
75	49	24	13	8		12	15	40	64

3 ^{9.9}	3 ^{9.9}	3 ^{9.1}	3 ^{9.6}	3 ^{9.5}	3 ^{9.0}	3 ^{9.1}	3 ^{9.9}	3 ^{9.1}	3 ^{9.6}
4.8	4.8	5.0	5.1	5.2	4.7	5.0	4.8	4.4	5.1
75	61	38	13	11		10	16	23	26

3 ^{9.9}	3 ^{9.8}	3 ^{9.6}	3 ^{9.6}	3 ^{9.5}	3 ^{9.1}	3 ^{9.2}	3 ^{9.5}	3 ^{9.6}	3 ^{9.1}
4.8	4.9	5.1	5.1	5.2	5.0	5.5	5.2	5.1	5.6
75	51	26	12	8		14	18	24	50

3 ^{9.8}	3 ^{9.8}	3 ^{9.1}	3 ^{9.6}	3 ^{9.1}	3 ^{9.6}	3 ^{9.1}	3 ^{9.5}	3 ^{9.5}	3 ^{9.1}
4.9	4.9	5.0	5.1	5.3	5.02	5.3	5.2	5.2	5.6
75	63	39	12	8		13	16	26	50

MH

Sta + π - Elev.

938.68

19+77

+96

20

BM 0.91 937.48 2.11 936.57 (936.56)

+50

21

+50

June 7, 1965

38

Lt

Bt

3 ^{3.1}	3 ^{3.6}	3 ^{3.6}	3 ^{3.4}	3 ^{3.6}	3 ^{3.0}	3 ^{3.3}	3 ^{3.4}	3 ^{3.2}
50	51	51	53	51	57	54	53	55
75	53	27	9		16	24	47	75

3 ^{3.9}	3 ^{3.1}	3 ^{3.5}	3 ^{3.3}	3 ^{3.6}	3 ^{3.9}	3 ^{3.2}	3 ^{3.1}	3 ^{3.1}
4.8	5.0	5.2	5.4	5.1	5.8	5.5	5.6	5.6
75	49	29	9		16	33	56	75

3 ^{3.9}	3 ^{3.1}	3 ^{3.5}	3 ^{3.3}	3 ^{3.6}	3 ^{3.9}	3 ^{3.2}	3 ^{3.3}	3 ^{3.0}
4.8	5.0	5.2	5.4	5.1	5.8	5.5	5.4	5.7
75	52	22	9		16	26	42	75

Top Hqd. Bt. Sta 19+92

3 ^{3.3}	3 ^{3.4}	3 ^{3.3}	3 ^{3.1}	3 ^{3.4}	3 ^{3.0}	3 ^{3.3}	3 ^{3.1}	3 ^{3.8}
4.2	4.1	4.2	4.4	4.1	4.5	4.2	4.4	4.7
75	45	19	9		14	21	49	75

3 ^{3.1}	3 ^{3.0}	3 ^{3.9}	3 ^{3.9}	3 ^{3.3}	3 ^{3.0}	3 ^{3.1}	3 ^{3.8}	3 ^{3.8}
4.4	4.5	4.6	4.6	4.2	4.5	4.4	4.7	4.7
75	56	37	11		16	24	49	75

3 ^{3.0}	3 ^{3.0}	3 ^{3.8}	3 ^{3.1}	3 ^{3.2}	3 ^{3.1}	3 ^{3.1}	3 ^{3.4}	3 ^{3.4}
4.5	4.5	4.7	4.8	4.3	4.8	5.4	5.1	5.1
75	58	32	9		14	34	54	75

Sta + π - Elev.

937.48

22

+50 Ent Lt

+89

23

+50

24

BM 2.18 938.32 1.34 936.14 (936.14)

June 7, 1965

L				E				R1			
32.8	32.6	32.4	32.3	33.2	32.6	32.1	32.4	32.6			
4.7	4.9	5.1	5.2	4.3	4.9	5.4	5.1	4.9			
75	52	27	11		14	26	58	75			

32.3	32.4	32.3	32.4	33.2	32.6	32.5	32.4	32.6
5.2	5.1	5.2	5.1	4.3	4.9	5.0	5.1	4.9
75	60	43	15		13	25	49	75

32.6	32.5	32.4	32.1	33.0	33.4	33.20	33.0	32.1	32.5	32.1
4.9	5.0	5.1	4.8	4.5	4.1	4.28	4.5	4.8	5.1	4.8
75	51	27	14	10	WH	11	14	26	48	75

32.8	32.8	32.6	32.8	33.1	33.4	32.9	32.6	32.5	32.1	33.4
4.7	4.7	4.9	4.7	4.4	4.1	4.6	4.9	5.0	4.8	4.05
75	56	33	16	10		14	29	51	75	Gorog

33.1	32.9	32.7	32.6	33.1	33.4	33.2	33.3	33.6	34.5	34.4
4.4	4.6	4.8	5.0	4.4	4.1	4.3	4.2	3.9	2.95	3.1
75	54	33	19	12		14	31	51	Wolk	75
									69	Ho

34.0	33.1	33.3	32.0	33.0	33.6		33.0	33.1	33.2
3.5	3.8	4.2	4.5	4.5	3.9		4.5	4.4	4.3
75	65	49	20	11			19	52	75

Top Hyd Bg Ho # 1738-9th St

Sta + π - Elev.

938.32

24+41 Ent. Lt.

+84 Ent. Lt.

25

+50 Ent. Lt.

26

+38

June 7, 1965

LT

BT 40

33.84 60 33.1 32.8 33.1 33.1 33.2 32.8 32.5 32.4 32.4
 4.48 4.72 5.2 5.5 5.2 4.6 5.1 5.5 5.8 5.9 5.9
 Conc Ent 32 16 12 14 22 43 67 75
 75 57

33.4 33.3 33.3 33.4 33.5 32.9 32.2 32.1 31.9
 4.9 5.0 5.0 4.9 4.8 5.4 6.1 6.2 6.4
 75 47 25 12 12 22 46 75

33.6 33.4 33.2 33.2 33.4 32.7 32.0 31.8 31.7
 4.7 4.9 5.1 5.1 4.9 5.6 6.3 6.5 6.6
 75 51 30 14 14 20 47 75

33.5 33.5 33.2 33.0 33.1 32.8 31.7 31.3 31.7
 4.8 4.8 5.1 5.3 5.2 5.5 6.6 7.0 6.6
 75 51 31 14 14 25 48 75

33.6 33.1 33.5 33.3 32.8 33.0 32.2 31.8 31.9 32.3
 4.7 4.6 4.8 5.0 5.5 5.3 6.1 6.5 6.4 6.0
 75 62 41 22 13 16 27 53 75

33.2 32.8 32.6 32.7 32.4 32.2 32.6 32.2 32.6 32.2 32.6
 5.1 5.5 5.7 5.6 4.9 5.0 5.7 6.1 5.7 6.1 5.7
 75 47 26 12 MH 15 19 33 52 75

Sta + π - Elev

938.32

26+66

27

+50

BM 2.48 938.19 2.61 935.71

+73 Gutter Line

+81 ϕ Wood Crest

✓

✓

June 7, 1965

11

21

RT

41

32.1	32.6	32.6	32.3	32.9	32.8	32.6	32.5	32.3	32.3
56	57	57	60	54	49	57	58	60	60
75	58	32	16	12		14	26	46	75

32.6	32.6	32.6	32.9	32.3	32.5	32.6	32.8	32.9
57	57	57	54	50	58	57	59	54
75	55	30	12		15	27	48	75

32.5	32.6	32.7	32.9	32.5	32.8	32.2	32.5	32.1
58	57	56	54	48	55	51	58	56
75	53	33	11		14	26	49	68

Top Hyd S.E. Co.

32.8	32.8	32.9	32.2	32.2	32.6	32.3	32.1	32.5	32.6
54	54	53	50	50	46	49	55	57	56
75	56	32	18	12		11	22	52	75

32.8	32.8	32.1	32.3	32.6	32.6	32.9	32.9	32.0
54	54	51	49	46	46	53	53	52
75	52	27	14		16	42	64	100

32.8	32.3	32.2	32.1
48	49	50	51
200	76	151	127

32.3	32.3	32.2	32.1
49	49	50	51
227	253	279	300

Sta + π - Elev.

938.19

27+96 Gutter Line

28

+50

29

BM 3.44 939.15 2.48 935.71

+34 Ent Rt.

+60

FK
PK
LPD
HH
HL

LT

June 7, 1965
June 25, 1965 Rt. 42

32.9	32.9	33.2	33.5	33.5	33.1	33.1	32.9	32.6	32.1
5.4	5.3	5.0	4.7	4.7	4.5	4.5	5.3	5.6	5.5
75	50	23	18	12		9	31	54	75

32.8	32.9	33.2	33.6	33.5	33.1	33.6	32.9	32.9	32.8
5.4	5.3	5.0	4.6	4.7	4.5	4.6	5.3	5.4	5.4
75	51	24	18	12		10	22	44	75

33.4	33.4	33.5	33.6	33.6	33.8	33.5	33.5	32.9	32.6	32.5
4.8	4.8	4.7	4.6	4.6	4.4	4.7	4.7	5.3	5.6	5.7
75	51	27	18	11		9	19	38	63	75

33.6	33.6	33.6	33.5	34.0	33.5	33.1	33.8	32.9	32.1
4.6	4.6	4.6	4.7	4.2	4.7	4.5	4.4	5.3	5.5
75	49	30	15		13	17	26	51	75

Top Hyd SE Cor Crestwood + 9TH St

33.5	33.5	33.9	34.0	33.9	34.0	33.6	33.1	33.1	33.1	33.1
5.7	5.7	5.3	5.2	5.3	5.2	5.6	5.5	5.5	5.5	5.43
75	66	33	15	10		13	18	34	53	Conc 55

33.4	33.5	33.8	33.9	34.16	33.8	33.8	33.9	33.8	33.8	33.8
5.8	5.7	5.4	5.3	4.99	5.4	5.4	5.3	5.4	5.3	5.3
75	50	32	11	MH	10	15	31	48	48	Walk 50

34.1
51
H₂O
55

Sta + π - Elev
939.15

29+71

✓

30

+10

✓

+37 $\angle$ Ent Lt.

June 25, 1965

43

2+

RT

3 ^{3.6}	3 ^{3.6}	3 ^{4.0}	3 ^{4.0}	3 ^{4.4}	3 ^{4.1}	3 ^{3.8}	3 ^{3.6}	3 ^{3.89}	3 ^{3.8}
5.6	5.6	5.2	5.2	4.8	5.1	5.4	5.39	5.26	5.26
51	34	15	11		9	15	15	28	45

Walk

3⁴
3^{3.1}
5.8
75

3^{3.89}
3^{3.89}
5.26
51
110

3 ^{3.5}	3 ^{3.6}	3 ^{3.8}	3 ^{4.1}	3 ^{4.2}	3 ^{4.4}	3 ^{4.2}	3 ^{4.2}	3 ^{4.5}	3 ^{4.5}	3 ^{4.5}
5.7	5.6	5.4	5.1	5.0	4.8	5.0	5.0	4.7	4.7	4.58
75	54	32	14	10		9	16	25	44	54.2

Conc

3 ^{3.5}	3 ^{3.6}	3 ^{3.9}	3 ^{4.2}	3 ^{4.1}	3 ^{4.3}	3 ^{4.2}	3 ^{4.3}	3 ^{4.33}	3 ^{4.63}	3 ^{4.6}
5.7	5.6	5.3	5.0	5.1	4.9	5.0	4.9	4.82	4.52	4.55
75	54	33	14	10		8	16	Conc	Ent	

20 23 36

3^{4.69}
3^{4.60}
4.46 4.55
75 55
Conc Ent

3 ^{4.1}	3 ^{4.1}	3 ^{4.0}	3 ^{3.9}	3 ^{4.1}	3 ^{4.3}	3 ^{4.1}	3 ^{4.1}	3 ^{4.3}	3 ^{4.4}	3 ^{4.6}
5.1	5.1	5.2	5.3	5.1	4.9	5.1	5.1	4.9	4.8	4.48
75	62	42	20	9		9	16	18	32	54

Conc

Sta + π - Elev.

939.15

30+71 $\pm$ Ent Rt

31

+32 $\pm$ Ent Rt

+52

32

T.P. 4.64 938.94 4.85 934.30

+30

Lt.

June 25, 1965

St. 44

$\begin{matrix} .1 & .5 & .1 & .0 & .9 & .3 & .2 & .0 & .4 & .5 & .1 \\ 33.1 & 33.5 & 33.1 & 34.0 & 33.9 & 34.3 & 34.2 & 34.0 & 34.4 & 34.5 & 34.1 \\ 55 & 57 & 55 & 52 & 53 & 49 & 50 & 52 & 48 & 47 & 45 \\ 75 & 55 & 34 & 15 & 11 & & 8 & 15 & 29 & 50 & 75 \end{matrix}$

$\begin{matrix} .5 & .5 & .1 & .9 & .4 & .2 & .2 & .5 & .4 & .5 & .6 \\ 33.5 & 33.5 & 33.1 & 33.9 & 34.4 & 34.2 & 34.2 & 34.5 & 34.4 & 34.5 & 34.6 \\ 57 & 57 & 55 & 53 & 48 & 50 & 50 & 47 & 48 & 47 & 45 \\ 75 & 56 & 34 & 11 & & 8 & 16 & 28 & 41 & 54 & 59 \end{matrix}$

Conc

$\begin{matrix} .4 & .4 & .6 & .9 & .9 & .4 & .3 & .2 & .3 & .4 & .3 \\ 33.4 & 33.4 & 33.6 & 33.9 & 33.9 & 34.4 & 34.3 & 34.2 & 34.3 & 34.4 & 34.3 \\ 58 & 58 & 56 & 53 & 53 & 48 & 49 & 50 & 49 & 51 & 48 & 47 \\ 75 & 55 & 34 & 15 & 11 & & 8 & 14 & 29 & 38 & 66 & 73 \end{matrix}$

Conc

$\begin{matrix} .3 & .2 & .5 & .9 & .9 & .4 & .2 & .3 & .2 & .1 & .0 & .2 \\ 33.3 & 33.2 & 33.5 & 33.9 & 33.9 & 34.4 & 34.2 & 34.3 & 34.2 & 34.1 & 34.0 & 34.2 \\ 59 & 60 & 57 & 53 & 53 & 48 & 50 & 49 & 49 & 51 & 52 & 50 \\ 75 & 57 & 34 & 13 & 10 & & 7 & 15 & 16 & 30 & 43 & 65 \end{matrix}$

Conc

$\begin{matrix} .3 & .1 & .2 & .1 & .8 & .4 & .0 & .1 & .1 & .0 & .1 & .0 \\ 33.3 & 33.1 & 33.2 & 33.1 & 33.8 & 34.4 & 34.0 & 34.1 & 34.1 & 34.0 & 34.1 & 34.0 \\ 59 & 61 & 60 & 55 & 54 & 48 & 52 & 51 & 51 & 52 & 51 & 52 \\ 75 & 56 & 34 & 14 & 10 & & 8 & 15 & 43 & 59 & 69 & 72 \end{matrix}$

32 E

$\begin{matrix} .4 & .1 & .4 & .1 & .8 & .2 & .9 & .1 & .8 & .8 & .0 \\ 33.4 & 33.1 & 33.4 & 33.1 & 33.8 & 34.2 & 33.9 & 34.1 & 33.8 & 33.8 & 34.0 \\ 55 & 58 & 55 & 52 & 51 & 47 & 50 & 48 & 51 & 51 & 49 \\ 75 & 56 & 32 & 12 & 9 & & 9 & 17 & 28 & 45 & 70 \end{matrix}$

Sta	+	π	-	Elev.
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		938.94		
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32+61				
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+97				
-----	--	--	--	--

		4.87		
--	--	------	--	--

33				
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+06				
-----	--	--	--	--

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

BM	1.66	938.16	2.44	936.50
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34				
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+50				
-----	--	--	--	--

June 25, 1965

LT

✓

At 45

33.6	33.2	33.6	33.8	33.9	34.3	34.0	33.9	33.81	33.88	33.91
54	57	53	51	50	46	49	50	503	502	497
75	61	32	12	9		9	16	conc walk		
MH LTI								20	38	61

✓

33.4	33.3	33.6	33.9	33.9	34.3	33.8	33.6	33.4	33.3	33.5
55	56	53	50	50	46	51	53	55	56	54.54
75	55	32	12	9		10	17	30	46	54 75

✓

33.4	33.3	33.6	33.9	33.9	34.2	33.8	33.7	33.89	33.2	33.3	33.5
55	56	53	50	50	47	51	52	501	57	56	54
75	56	32	12	9		10	17	MH	30	54	75
								21			

✓

33.2	33.3	33.6	33.8	33.9	34.3	34.0	34.1	33.9	33.8	33.6	33.3
57	56	53	51	50	46	49	48	50	51	53	56
75	54	31	12	9		10	17	25	39	53	75
Top Hyd by 1802 924 54											

✓

33.0	33.2	33.1	33.1	33.8	34.2	33.4	33.5	34.0	33.9	34.1
52	50	45	45	44	40	48	47	42	43	41
75	55	32	12	9		8	14	22	49	75

✓

33.0	33.0	33.3	33.4	33.6	34.0	33.7	33.5	33.7	33.6	33.1
52	52	49	48	46	42	45	47	45	46	51
75	55	32	13	8		10	16	30	50	75

Sta + π - Elev.
938.16

35

+37 $\neq$ Ent Rt.

+66

36

TP A.11 938.60 3.67 934.49

+49 $\neq$ Ent Lt.

+64 $\neq$ Ent Rt

June 25, 1965

Lt

✓

Rt

46

$\begin{smallmatrix} \cdot 0 \\ 3^{\cdot 0} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 9 \\ 3^{\cdot 9} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 1 \\ 3^{\cdot 1} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 7 \\ 3^{\cdot 7} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 1 \\ 3^{\cdot 1} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 2 \\ 3^{\cdot 2} \end{smallmatrix}$
52	53	51	48	47	45	47	47	41	40
75	57	31	13	7		10	12	40	65

✓

Ho

$\begin{smallmatrix} \cdot 2 \\ 3^{\cdot 2} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 0 \\ 3^{\cdot 0} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 1 \\ 3^{\cdot 1} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 2 \\ 3^{\cdot 2} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 3 \\ 3^{\cdot 3} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 1 \\ 3^{\cdot 1} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 1 \\ 3^{\cdot 1} \end{smallmatrix}$
5.0	5.2	5.1	5.0	4.9	4.6	4.8	4.8	4.5	4.1
75	55	30	13	7	✓	10	20	49	75

✓

$\begin{smallmatrix} \cdot 2 \\ 3^{\cdot 2} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 0 \\ 3^{\cdot 0} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 1 \\ 3^{\cdot 1} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 3 \\ 3^{\cdot 3} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 2 \\ 3^{\cdot 2} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 3 \\ 3^{\cdot 3} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 0 \\ 3^{\cdot 0} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 8 \\ 3^{\cdot 8} \end{smallmatrix}$
5.0	5.2	5.1	4.9	4.0	4.6	4.8	4.9	5.2	5.4
75	54	32	15	8		11	20	49	75

✓

$\begin{smallmatrix} \cdot 1 \\ 3^{\cdot 1} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 0 \\ 3^{\cdot 0} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 3 \\ 3^{\cdot 3} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 7 \\ 3^{\cdot 7} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 2 \\ 3^{\cdot 2} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 1 \\ 3^{\cdot 1} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 2 \\ 3^{\cdot 2} \end{smallmatrix}$
5.1	5.2	4.9	4.7	4.7	4.5	4.8	5.0	4.8	5.1	5.0
75	54	32	14	6		13	18	39	55	75

✓

$\begin{smallmatrix} \cdot 7 \\ 3^{\cdot 7} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 3 \\ 3^{\cdot 3} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 70 \\ 3^{\cdot 70} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 8 \\ 3^{\cdot 8} \end{smallmatrix}$
4.9	5.0	5.1	5.2	5.2	5.2	5.1	5.1	5.3	5.0	3.90	3.8
75	65	46	32	11	4		11	19	37	Wolk	65
										58	Ho

✓

$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 3 \\ 3^{\cdot 3} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 4 \\ 3^{\cdot 4} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 5 \\ 3^{\cdot 5} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 8 \\ 3^{\cdot 8} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 2 \\ 3^{\cdot 2} \end{smallmatrix}$	$\begin{smallmatrix} \cdot 6 \\ 3^{\cdot 6} \end{smallmatrix}$
5.0	5.0	5.0	5.1	5.2	5.3	5.1	5.2	5.1	4.8	4.4	4.0
75	48	34	21	13	5		6	19	45	55	80

Sta	+	π .	-	Elev.
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		938.60		
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37				
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✓				
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+50				
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+90				
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38				
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+50				
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June 25, 1965

Lt

Rt

47

33.5	33.1	33.4	33.0	33.2	33.4	33.6	33.6	33.0	33.0	33.9
5.14.9	5.2	5.6	5.4	5.2	5.1	5.0	5.6	5.6	5.7	
26	18	14	12	5	16	20	41	59	75	

33.5	33.0
5.1	4.6
44	75

33.1	33.1	33.5	33.4	33.1	33.3	33.5	33.4	33.3	33.0	33.8
5.5	5.5	5.1	5.2	5.5	5.3	5.1	5.2	5.3	4.6	3.8
75	55	21	15	12	5		19	22	43	65

33.4	33.3	33.4	33.6	33.0	33.3	33.4	33.6	33.6	33.2	33.6	33.9
5.2	5.3	5.2	5.0	5.6	5.3	5.2	5.1	5.1	4.4	4.0	3.7
75	55	37	16	14	7		14	22	45	64	75

33.3	33.3	33.6	33.6	33.1	33.2	33.4	33.3	33.4	33.2	33.8	33.6
5.3	5.3	5.0	5.0	5.5	5.4	5.2	5.3	5.2	5.4	4.8	4.0
75	53	25	16	13	8		13	18	40	61	75

33.4	33.3	33.4	33.1	33.6	33.3	33.4	33.5	33.4	33.4	33.6	33.7	33.8
5.2	5.3	5.2	4.9	5.0	5.3	5.2	5.1	5.2	5.2	5.0	4.9	4.8
78	55	40	33	16	14	6		12	16	35	56	87

Sta + π - Elev
938.60

38 + 81

39

BM 2.47 938.72 2.35 936.25

+22 W. P. L. Wood

+26 Gutter Line

+39 Present ~~&~~ Wood

✓

June 25, 1965

Lt

✓

Rt

48

33.4	33.5	33.6	33.5	33.2	33.3	33.4	33.5	33.4	33.8	34.2	34.0
52	51	50	51	54	53	52	51	52	48	44	46
75	64	41	27	13	5		12	16	30	45	64
											Ho

✓

33.6	33.6	34.0	33.5	33.9	33.3	32.4	33.6	33.6	33.6	34.0	34.2	34.2
50	50	46	51	47	53	52	50	50	50	46	44	44
75	49	39	30	19	14	6		12	16	30	47	65

Top Hyd N.W. Cor. Wood & 9th St

Ho

33.6	33.6	33.6	33.7	33.3	33.4	33.6	33.6	33.3	33.6	33.7	33.8	33.8
5.1	5.1	5.1	5.0	5.4	5.3	5.1	5.1	5.4	5.1	5.0	4.9	4.9
75	45	32	24	14	6		12	18	24	39	51	75

33.6	33.6	33.5	33.8	33.3	33.4	33.6	33.6	33.4	33.3	33.3	33.2	33.2
5.1	5.1	5.2	4.9	5.4	5.3	5.1	5.1	5.3	5.4	5.4	5.5	5.5
75	55	37	19	14	6		10	18	25	43	66	75

33.8	33.7	33.7	33.8	33.6	33.3	33.4	33.6	33.7	33.6	33.6	33.7	33.6	33.6
4.9	5.0	5.0	4.9	5.1	5.4	5.3	5.1	5.0	5.1	5.1	5.0	5.1	5.1
75	60	37	20	17	14	6		8	14	23	44	66	75

33.3	33.4	33.5	33.5	33.5	33.6	33.6
5.4	5.3	5.2	5.2	5.2	5.1	5.1
400	350	300	250	200	150	100

Sta + Δ - Elev.

938.72

39+50 Gutter Line

+77

40

+36

+69 $\pm$ Ent Rt

41

TP 5.24 939.05 4.91 933.81

June 25, 1965

LT

RT 49

39.2	33.1	33.1	33.6	33.4	33.4	33.44	33.8	33.1	33.4	33.3	33.3
45	50	50	51	53	53	52.8	4.9	5.0	5.3	5.4	5.4
93	51	32	18	14	6		9	15	27	49	75

33.18	33.11	33.6	33.64	33.3	33.3	33.1	33.6	34.1	33.1	33.6
4.94	4.95	5.06	5.08	5.4	5.2	5.0	5.2	4.6	5.0	5.1
Cone Walk				15	10		5	23	50	75
69	53	36	20							

33.9	33.4	33.6	33.1	33.5	33.5	33.1	33.5	33.5	33.8	33.3	33.8
4.8	5.3	5.1	5.0	5.2	5.2	5.0	5.2	5.2	4.9	5.4	4.9
75	51	33	22	14	6		10	15	21	50	75

33.1	33.6	33.9	33.5	33.6	33.8	33.6	33.4	33.6	33.4	33.8	33.98
5.0	5.1	4.8	5.2	5.1	4.9	5.1	5.3	5.1	5.3	4.9	4.74
53	36	25	14	6		10	16	21	44	59	Walk 68

33.3	33.3	33.8	33.9	33.6	33.6	33.8	33.6	33.6	33.1	33.6	33.2
5.3	5.4	5.4	4.9	4.8	5.1	5.1	4.9	5.1	5.2	5.0	5.2
75	64	39	26	16	12	7		10	16	33	54

33.2	33.3	33.6	33.8	33.6	33.6	33.8	33.6	33.5	33.3	33.3	33.1
5.5	5.4	5.1	4.9	5.1	5.2	4.9	5.1	5.2	5.4	5.4	5.6
75	63	47	30	16	7		11	16	40	63	75

sta 41

Sta + π - Elev

939.05

41+50

42

+20 $\angle$ Ent Lt

+59 $\angle$ Ent Rt

43

+50

LT

June 25, 1965

RT

50

34.1	34.8	34.1	33.9	33.6	33.6	33.8	33.7	33.6	33.8	33.5	33.5
44	43	5.0	5.2	5.5	5.5	5.3	5.4	5.5	5.3	5.6	5.6
70	61	43	16	9	6		11	15	32	60	75

33.9	34.1	33.8	34.1	33.7	33.8	33.9	33.7	33.6	33.5	33.5	33.5
5.2	5.0	5.3	5.0	5.4	5.3	5.2	5.4	5.5	5.6	5.6	5.6
75	50	27	12	9	5		11	15	40	59	75

33.4	33.4	33.4	33.7	33.8	33.7	33.9	33.7	33.6	33.9	33.8	33.5
5.7	5.7	5.7	5.4	5.3	5.4	5.2	5.4	5.5	5.2	5.3	5.6
75	66	48	29	13	7		11	16	26	50	75

33.6	33.8	33.8	33.9	33.8	33.8	34.0	33.9	33.8	34.20	34.28	34.61
5.5	5.3	5.3	5.2	5.3	5.3	5.1	5.2	5.3	4.85	4.77	4.4
75	50	23	14	10	6		11	15	Conc.		
									25	50	75

33.8	33.7	33.7	33.9	34.1	34.0	33.9	34.1	33.9	33.7	34.2	34.4	34.8	34.9
5.3	5.4	5.4	5.2	5.0	5.1	5.2	5.0	5.2	5.4	4.9	4.7	4.3	4.2
75	60	48	25	18	11	7		11	15	24	41	65	70
													Ho

34.5	34.1	33.9	34.1	34.1	34.0	34.0	34.4	34.2	34.1	34.4	34.7	34.9
4.6	5.0	5.2	5.0	5.0	5.1	5.1	4.7	4.9	5.0	4.7	4.4	4.2
75	56	36	20	14	11	7		11	15	31	49	75

Sta + π - Elev.

939.05

43+72

B.M. 3.09 939.99 2.15 936.90

44 Good for Ent Lt

+42

+81

T.P. 4.80 940.00 4.79 935.20

45

+39

PK
LPD
HL
RPS

June 25, 1965
June 28, 1965

51

LT

34.92	33.76	33.9	34.3	34.2	34.2	34.5	34.3	34.3	34.1	35.0	34.9	35.3
5.13	5.29	5.2	4.8	4.9	4.9	4.6	4.8	4.8	4.4	4.1	4.2	3.8
64	44	29	21	14	11	8	12	15	21	34	52	75

Walk Top Hyd By #1416-9th St

33.1	33.6	33.6	33.1	33.4	33.4	33.8	33.5	33.3	34.3	34.0
5.4	5.5	5.5	5.4	5.7	5.7	5.3	5.6	5.6	4.8	4.8
75	52	35	14	10	8	12	16	20	50	75

35.4	34.3	34.3	33.1	33.8	34.1	33.1	33.1	34.1	34.3	34.1
3.7	4.8	4.8	5.4	5.3	5.0	5.4	5.4	4.4	4.8	5.0
61	30	15	10	9	12	15	24	45	75	

35.3	35.0	34.0	34.3	34.1	34.1	34.3	33.9	33.8	34.1	34.4	34.1
3.8	4.1	4.5	4.8	5.0	5.0	4.8	5.2	5.3	4.4	4.7	4.4
71	54	33	16	10	7	12	15	22	49	72	

Sta 452

36.1	35.7	35.4	35.5	35.1	35.1	35.2	34.8	34.8	35.5	35.4	35.3	35.6
3.9	4.3	4.6	4.5	4.9	4.9	4.8	5.2	5.2	4.5	4.6	4.7	4.4
70	57	28	15	12	7	12	16	20	29	49	75	

35.76	35.47	35.37	35.2	36.0	35.3	35.0	35.0	35.3	34.9	34.9	34.8
4.24	4.53	4.63	4.8	4.0	4.7	5.0	5.0	4.7	5.1	5.1	5.2
75	49	31	19	8	12	15	25	40	72	75	

Conc

Sta	+	π	-	Elev.
		940.00		

45+52

46

+24 Ents R/d Lt.

+65

+70 ϕ Ent R/

+83 ϕ Ent R/

June 28, 1965

LT

RT

52

35.2 34.8 34.8 35.4 35.2 35.0 35.1 35.0 35.0 34.8 34.9 34.6
48 52 52 46 48 50 48 50 50 52 51 54
75 60 44 29 14 7 MH 11 25 41 66 75
2

35.4 35.4 35.2 35.1 35.1 35.3 35.1 35.1 35.2 34.9 35.0 35.2 35.6
46 46 48 49 49 4.7 4.9 4.9 4.8 5.1 50 48 3.6
41 36 21 13 7 9 12 18 28 40 52 85
Ho

Ho

35.1 35.2 35.2 35.4 35.0 35.1 35.3 35.1 35.0 35.0 35.0 35.4 35.8
4.9 4.8 4.8 4.6 5.0 4.9 4.7 4.9 5.0 5.0 5.0 4.6 4.2
80 62 49 18 11 6 10 15 24 37 52 75

35.1 34.9 35.0 35.3 35.0 35.0 35.2 35.0 35.0 35.1 35.2 35.9 36.10
4.9 5.1 5.0 4.7 5.0 5.0 4.8 5.0 5.0 4.9 4.9 4.1 3.90
53 47 36 16 12 10 7 19 31 32 58 75
Walk

34.99 34.92 35.00 35.00 35.3 35.0 34.9 35.2 34.9 35.0 34.9 35.2 35.6 36.3
50.1 50.6 50 50 4.7 5.0 5.1 4.8 5.1 5.0 5.1 4.8 4.4 3.7
51 Walk 38 26 16 12 7 11 17 31 46 57 75
47

34.8 34.9 35.1 34.8 34.9 35.1 34.8 34.9 34.8 34.4 35.0 35.1
52 51 49 52 51 49 52 51 52 5.6 50 4.3
55 40 26 11 6 13 17 27 41 54 75

Sta	+	π °	-	Elev
		940.00		

47

✓

BM	1.15	939.31	1.84	938.16	938.16
----	------	--------	------	--------	--------

+34

+61 $\pm$ Ent Rt + Lt

48

+36 Aprox $\pm$ St. Lt.

June 28, 1965

Lt.

Rt.

53

35.3	35.2	35.2	34.9	34.8	35.1	34.8	34.8	34.7	34.7	35.4
4.7	4.8	4.8	5.1	5.2	4.9	5.2	5.2	5.3	5.3	4.6
31	26	13	10	7		12	18	29	42	50

35.2	35.2									36.2
4.8	4.8									3.8
55	63									75

Top Hyd by #1312 - 97th St.

35.85	35.7	35.36	35.0	35.0	34.6	34.9	34.6	34.7	34.8	34.9	35.0	35.0
3.46	3.60	3.95	4.3	4.3	4.7	5.4	4.7	4.6	4.5	4.4	3.82	
55	42	32	16	10	6		12	16	32	44	57	7

35.1	35.1	34.9	34.7	34.6	34.8	34.6	34.8	34.9	35.0	35.1	35.4
4.2	4.2	4.4	4.6	4.7	4.5	4.7	4.5	4.4	4.3	4.2	3.9
66	56	37	17	7		12	18	29	44	60	75

35.5	35.1	34.9	34.9	34.6	34.5	34.7	34.3	34.5	34.9	34.7	34.9	35.4
3.8	4.2	4.4	4.4	4.8	4.8	4.6	5.0	4.8	4.4	4.6	4.4	3.9
61	47	28	13	12	6		12	15	19	34	52	75

34.6	34.5	34.6	34.5	34.6	34.52	34.7	34.3	34.5	34.7	34.9	35.3	35.6
4.7	4.8	4.7	4.8	4.7	4.79	4.6	5.0	4.8	4.6	4.4	4.0	3.8
68	41	19	11	7	MH		11	19	36	51	65	73

34.6	34.3	34.2	34.1
4.7	5.0	5.1	5.2
75	100	150	200

Sta + π - Elev.

939.31

48+54 $\nless Ent Rt$

+77 $\nless Ent Lt$

49

+16 $\nless Walk Lt$

+56 $\nless Ent Rt$

+69

+94 Walk 25' Lt. 4.83

June 28, 1965

11

RT

54

34.1	34.2	34.4	34.0	34.5	34.6	34.3	34.4	34.5	34.8	35.1	35.2
5.2	5.1	4.9	5.3	4.8	4.7	5.0	4.9	4.8	4.5	4.2	4.0
75	48	23	18	7		11	17	31	46	63	64

Conc
Apr

34.5	34.4	34.3	34.1	34.4	34.6	34.2	34.2	34.8	34.9	34.1	34.0
4.8	4.9	5.0	5.2	4.9	4.7	5.1	5.1	5.5	5.4	5.2	5.3
75	56	27	14	8		11	17	30	47	58	75

34.76	34.6	34.3	34.4	34.1	34.4	34.6	34.1	34.1	34.1	34.0	34.4	34.1
4.55	4.7	5.0	4.9	5.2	4.9	4.7	5.2	5.2	5.6	5.3	4.9	4.6
63	55	33	16	14	8		12	18	32	43	58	75

34.76	34.58	34.52	34.4	34.2	34.4	34.6	34.2	34.2	34.9	34.3	34.8	34.8
4.55	4.73	4.79	4.95	4.9	4.7	5.1	5.1	5.4	5.0	4.5	4.5	4.5
66	44	25	17	14	9		10	17	31	48	64	75

Walk

35.3	34.8	34.4	34.3	34.4	34.7	34.3	34.5	34.8	35.08	35.17
4.0	4.5	4.9	5.0	4.9	4.6	5.0	4.8	4.5	4.23	4.14
75	43	17	15	9		12	22	39	65	84

Conc

35.3	35.30	34.9	34.4	34.0	34.4	34.7	34.3	34.0	34.9	34.0	34.1
4.00	4.01	4.4	4.9	5.3	4.9	4.6	5.0	5.3	5.4	5.3	5.6
64	61	45	18	15	10		11	20	31	46	56

Conc

Sta + Δ - Elev.

939.31

50 Ent Lt

T.P. 5.34 939.64 5.01 934.30

+25 Δ Ent Rt

+73

+83

$\frac{458}{5}$
5.08

51

+50

52

BM 1.93 940.23 1.34 938.30 (938.31)

17

June 28, 1965

RT 55

35.2	34.5	34.1	34.1	34.7	34.3	34.1	34.0	33.6	33.8
41	48	52	52	46	50	52	53	57	55
75	54	21	16		11	18	24	52	64

34.2	34.2	34.0	34.2	34.5	34.7	34.2	34.10	34.25	34.39	34.43
5.4	5.4	5.6	5.4	5.1	4.9	5.4	5.54	5.39	5.25	5.21
84	60	32	14	6		11	24	41	59	74

Conc Ent

36.61	35.1	34.9	34.5	34.5	34.56	34.2	34.2	34.4	34.6	34.8	34.1
303	39	47	5.1	5.1	5.08	5.4	5.4	5.2	5.0	4.8	4.9
66	51	33	14	8	MH	11	18	30	49	66	75

Walk

36.10	35.69	35.4	34.8	34.5	34.6	34.2	33.9	33.8	33.9	34.3
3.54	3.95	4.60	4.8	5.1	5.0	5.4	5.7	5.8	5.7	5.3
75	54	29	23	8		12	18	35	59	75

Conc Ent

36.4	35.7	35.7	34.7	34.5	34.8	34.3	34.2	34.0	34.0	34.0
32	39	39	49	5.1	4.8	5.3	5.4	5.6	5.6	5.6
75	48	35	13	10		12	22	38	56	75

37.38	37.0	36.0	35.2	34.8	35.0	34.3	34.3	34.9	35.3
226	2.6	3.6	4.4	4.8	4.6	5.3	5.3	4.7	4.3
51	47	33	14	9		11	21	43	56

BM-Top Hyd SE Cor 9th + Bal Eagle Ave. Ho

Sta + π - Elev.

940.23

52+14 $\pm$ Ent Lt

+32

+53 Gutter Line

+78 MH $\pm$ 4.97

+62

+71.64 $\pm$ Bald Eagle Ave

June 28, 1965

RT

RT 56

37.51	36.87	35.55	35.10	34.9	34.9	35.2	34.4	34.6	34.9	35.6	35.8
272	336	468	52	53	53	50	58	56	53	46	44
56	45	29	15	11	9		13	23	38	54	67

Conc Ent

36.3	36.26	36.2	35.6	34.9	35.1	35.6	34.7	34.9	35.2	35.0	35.0
390	397	40	46	53	51	47	55	53	50	52	52
71	55	50	25	13	9		19	32	52	69	75

Conc

35.3	35.2	35.2	34.8	35.1	35.4	35.10	34.9	34.7	34.1
4.9	5.0	5.0	5.4	5.1	4.8	5.13	5.3	5.5	5.5
75	53	33	25	18		21	28	47	75

MA

35.6	35.3	35.4	35.2	35.2	35.1	35.0	35.0
4.7	4.9	4.8	5.0	5.0	5.1	5.2	5.2
75	45	17		24	43	61	75

35.0	35.8	35.7	35.6	35.4	35.3	35.3	35.2	35.2	35.1	35.1
4.2	4.4	4.5	4.6	4.8	4.9	4.9	5.0	5.0	5.1	5.1
150	100	75	54	25		18	36	55	75	100

36.1
4.1
200

35.0	35.1	35.1	35.1
5.2	5.1	5.1	5.1
200	175	150	125

Sta + Δ - Elev.

940.23

52+82

53+00 Rt. for Sidewalk (West Edge)

BM

1.93 938.30 (938.31)

June 28, 1965

LT

2

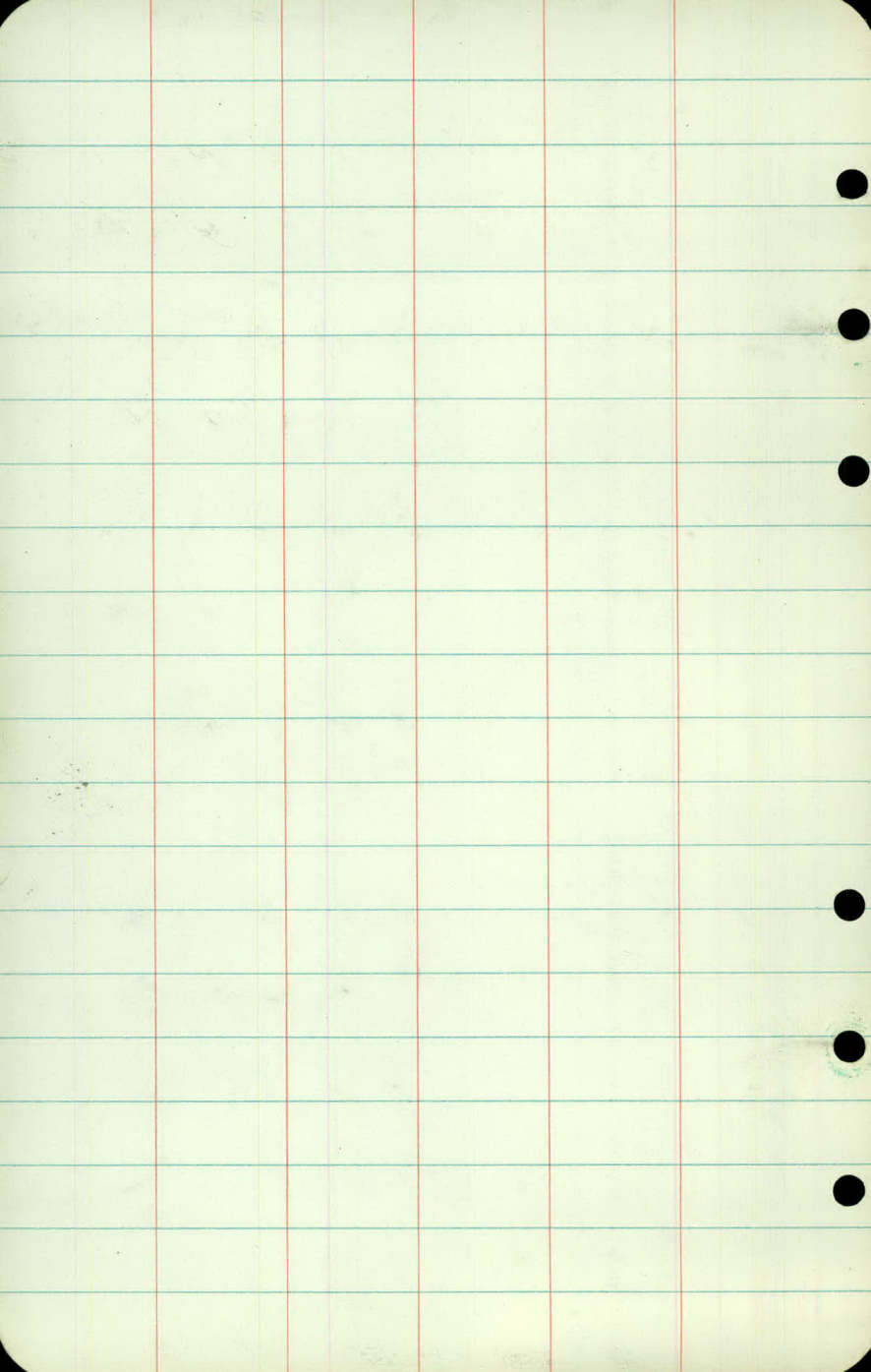
RT

57

35.5	35.4	35.2	35.2	35.1	35.1	35.1	35.0
4.7	4.8	5.0	5.0	5.1	5.1	5.1	5.2
75	50	25		24	40	60	75

35.57	35.65	35.60	35.61
4.66	4.58	4.63	4.62
29	47	66	77

Top Hyd SE. Cor. 9th + Bald Eagle Ave.



9th St

Profile Lt Sta 26+31

Sta	+	π	-	Elev.
BM	1.93	937.62		935.69

26+31	$\pm$		4.40	933.22
-------	-------	--	------	--------

3

50' $\pm$			4.8	932.82
-----------	--	--	-----	--------

100			4.4	933.22
-----	--	--	-----	--------

150			4.5	933.12
-----	--	--	-----	--------

2			4.5	933.12
---	--	--	-----	--------

250			4.8	932.82
-----	--	--	-----	--------

3			4.8	932.82
---	--	--	-----	--------

350			4.7	932.92
-----	--	--	-----	--------

4			4.5	933.12
---	--	--	-----	--------

450			4.3	933.32
-----	--	--	-----	--------

5			3.5	934.12
---	--	--	-----	--------

550			3.6	934.02
-----	--	--	-----	--------

6			3.4	934.22
---	--	--	-----	--------

650			3.4	934.22
-----	--	--	-----	--------

7			3.6	934.02
---	--	--	-----	--------

+50			4.0	933.62
-----	--	--	-----	--------

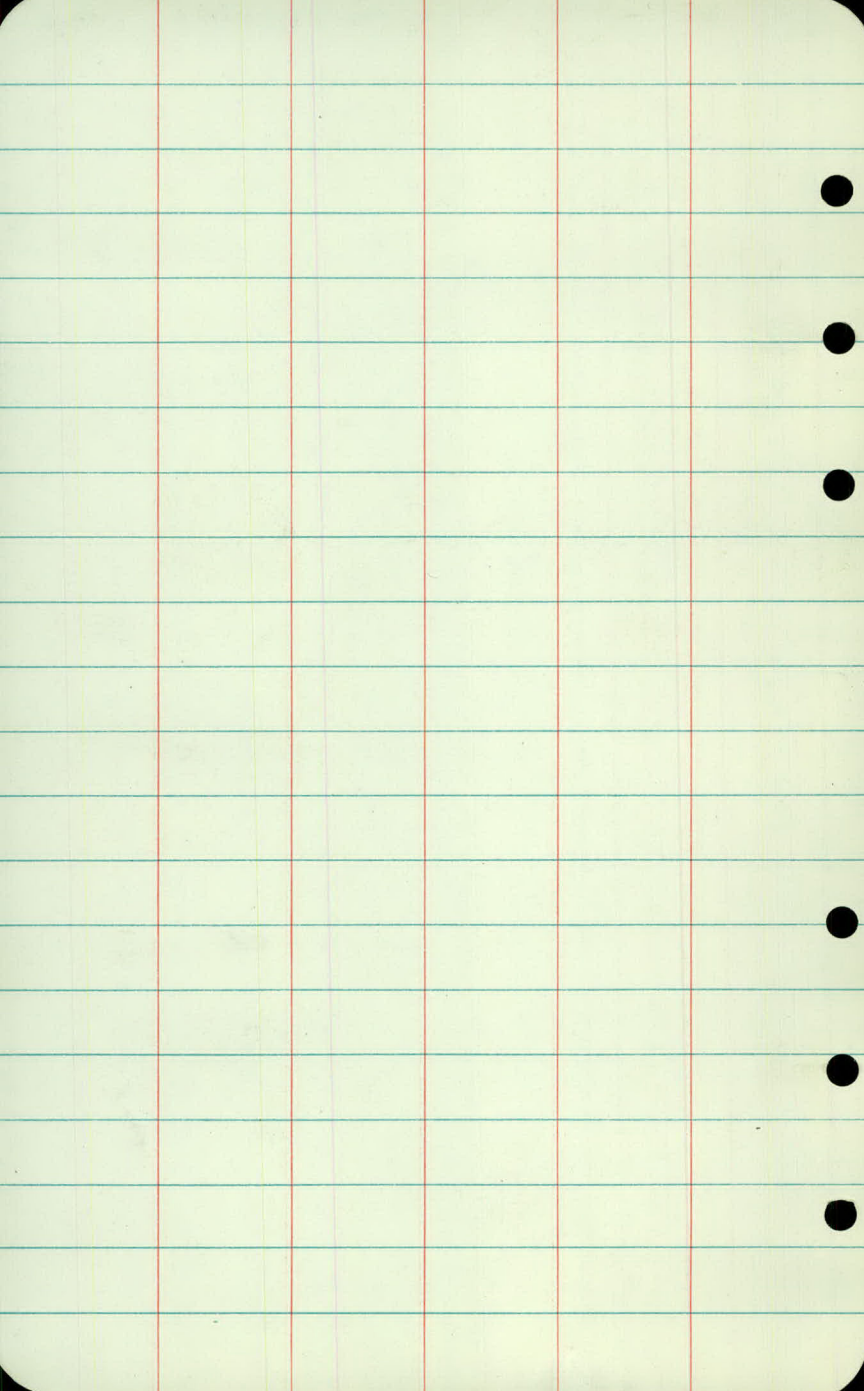
R. R. Tracks			+3.0 $\pm$	940.62
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FA
DS
PK
WJ

Jan 31, 1966 59

Cold Overcast 0° 2

Top Hyd. S.E. Cor. Woodcrest + 9th



FK
PK
WJ

Feb. 3, 1966
Overcast Snowing 11° 60

Ditch Location

STADIA

H. I = 933.1

object

Az

Stadia

π at Sta 5+00

to Sta 3+00

270° - 2.00

Ditch at Culvert Ice 276° 10' 215

Ditch Ice 298° 05' 197

in Pond Area Ice 328° 40' 229

" " " Ice 342° - 393

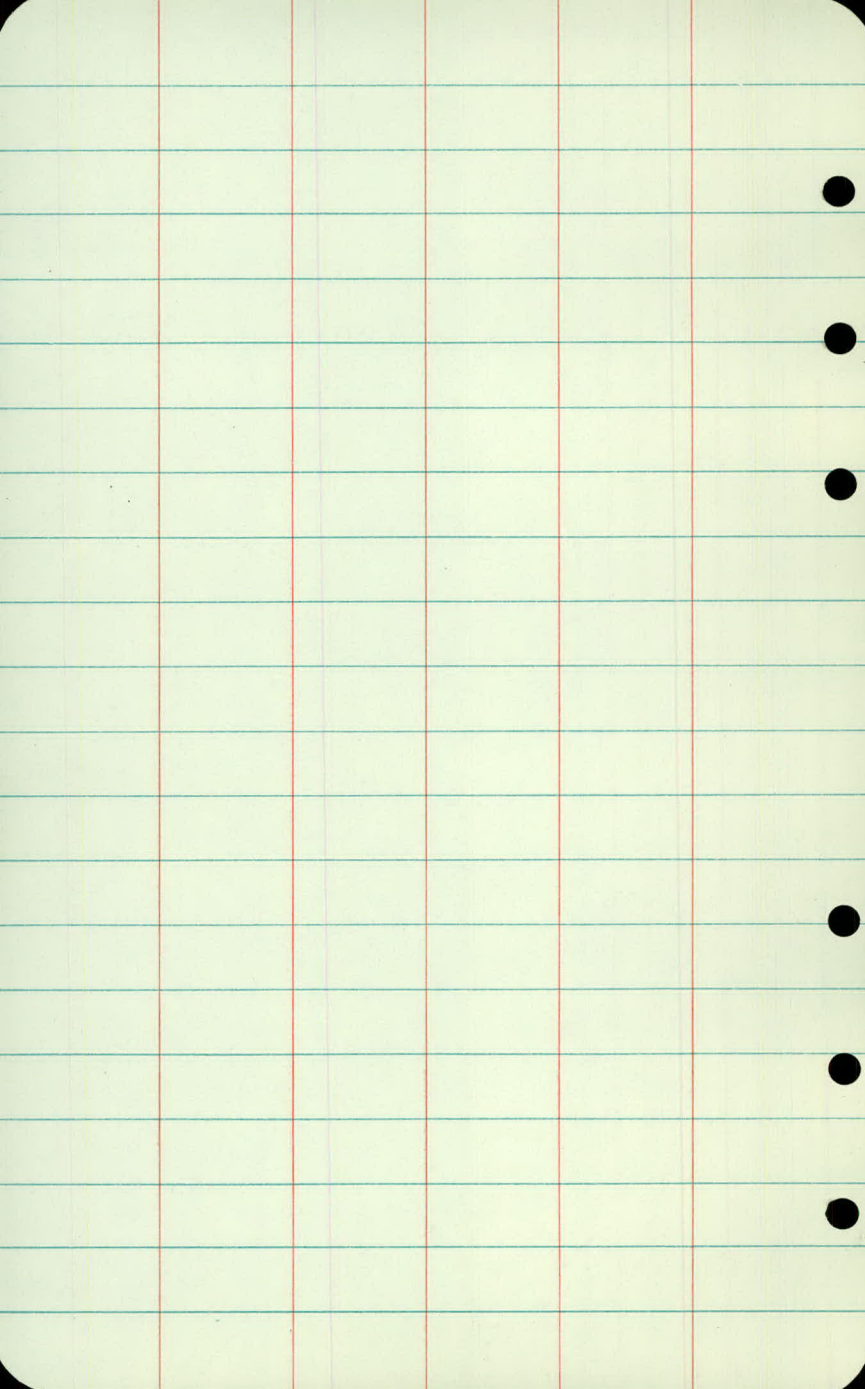
Pond Outlet Ice 334° - 490

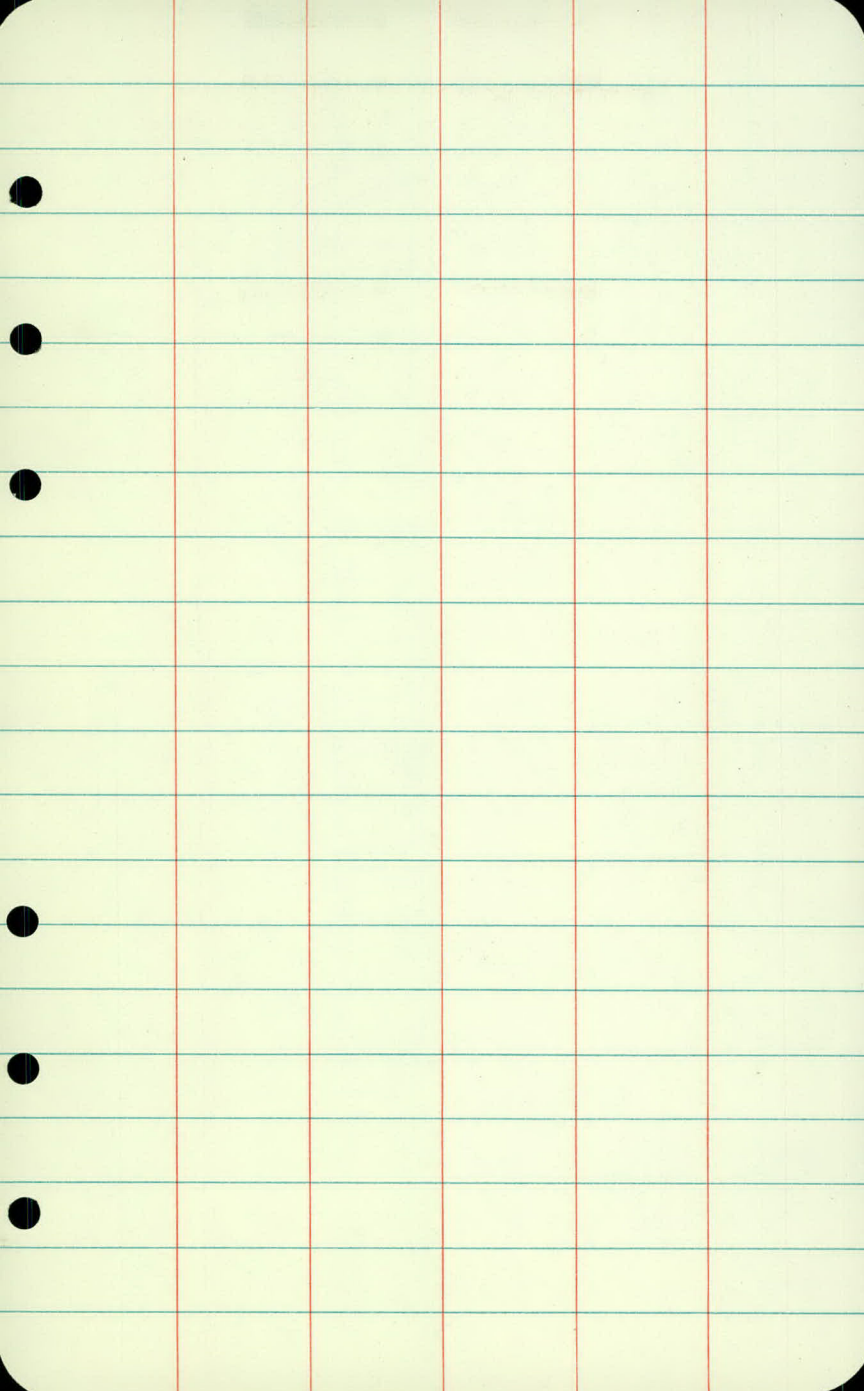
Ditch Ice 332° - 529

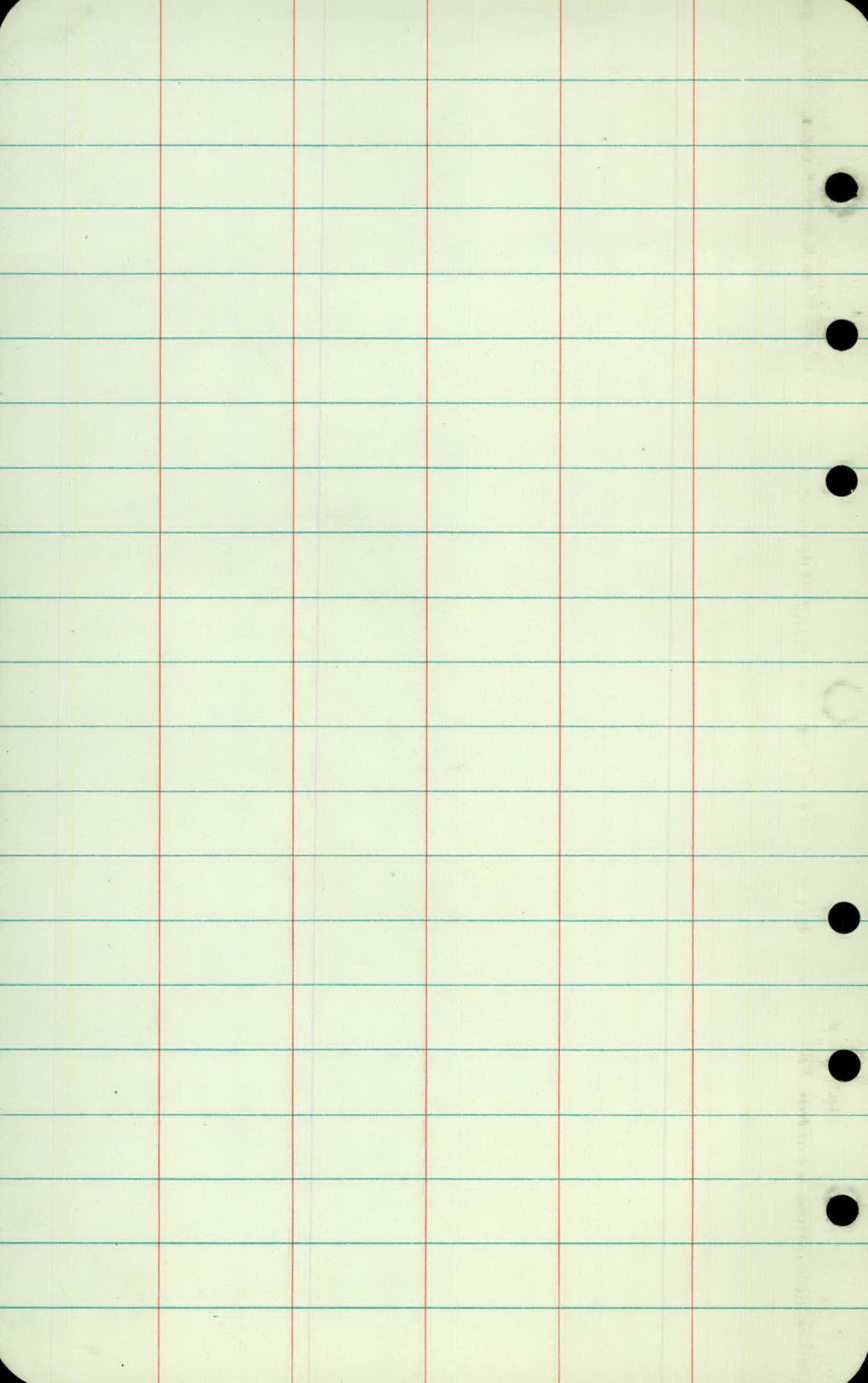
" Ice 331° - 609

" Dirt 328° - 660

Dist	Vertical Angle	Elev Diff.	Rod Rod	Equivalent Elev.	61 Elev.
		$H.I. = 5.2$	$H.I. = 933.1$		927.9
			9.00		924.1
					923.8
			10.7		922.4
			11.2		921.9
			11.7		921.4
			11.9		921.2
			12.5		920.6
			12.4		920.7
			12.6		920.5
			12.7		920.4







FK
WM
GA

April 8, 1968

1

Ditch Profile

+

Location

Sta	Az.	Stadia
BM 4.79 104.79		100
^{on top 18" S.C.P.} N. End Culvert	281°	205
Ground	281°	205
Ditch	288°	186
"	299°	196
"	312°20'	201
"	322°	238
"	330°	273
"	334°10'	317
"	337°40'	370'
"	337°20'	412
"	335°35'	458
"	335°10'	470
"	333°15'	500
"	331°40'	544
"	331°10'	580
"	329°55'	620
	327°35'	670
	325°30'	706
	323°30'	7.60

31
10

4-8-68

2

Top Hyd S. side 9th St

Buried Under Water 12.3 72.49

12.8

12.3

12.4

11.8

12.2

12.6

12.6

12.6

12.5

12.3

13.9

13.5

13.9

13.4

13.6

13.4

13.8

15.0

13.8

10.

11.2
3.8
15.0

104.79

Obj

Az

Stadia

321°30'

7.40

37°

319°25'

7.05

316°30'

6.80

313°40'

6.40

311°

6.20

T.P. Road

310°30'

6.65

3.47 101.41

E. End Inv 24" CM

11.91

89.50

Culvert 75' South and 27' East of T.P. on Road

Sta PG S.W.G.
A

Rod

Elev

36

70.2

70.5

4-8-68
Rod

3

10.8
3.7
3.5
11.3

14.5

14.8

14.3

14.4

14.2

6.85

97.94

138
106
32

73.5	73.2
C 3.0	C 2.7
49.0	48.1

