

D14-B64

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN

Survey

WHITE BEAR. AVE

From FROST To "C"

Road Acc't. No. _____

Date Filed 2-26-86

File ~~14~~ 6841

PLAN SURVEY

White Bear Ave

~~to~~
Frost to T. H. No. 36 Co Rd C

Index:

Alinement 1-3

Topography 4-

Sta Point ΔL ΔR

$0^{\circ} 31'$

52+72.95 P.I.

$0^{\circ} 30'$

$\neq$ Co Rd "B"

32+56.09 $\neq$ Railroad Tracks

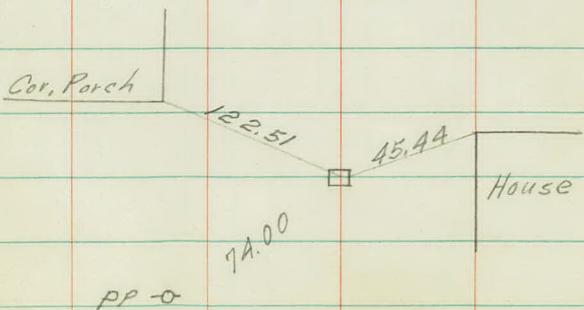
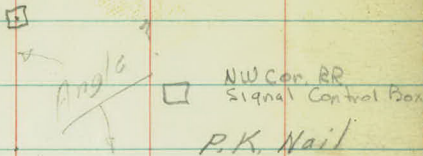
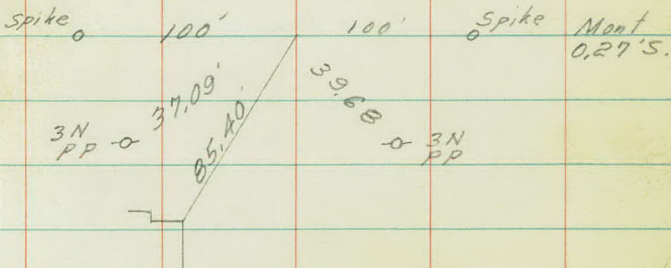
26+24.24

$\neq$ Frost Ave.

FK
JS
BZ
JF

June 17, 1963

2



Sta	Point	ΔL	ΔB
-----	-------	------------	------------

Equation $62 \overset{+66.66}{+65.98} = 62 + 63.62$ ✓

$\overset{+66.66}{+65.98}$

P.T. =

$24^{\circ}41'$

+50

$23^{\circ}05.1'$ 900

+25

$20^{\circ}35.1'$ P.I. = $\overset{61+51.50}{61+49.10}$

62

$18^{\circ}05.1'$ $\Delta = 49^{\circ}22'$

+75

$15^{\circ}35.1'$ $\frac{1}{2}\Delta = 24^{\circ}41'$

+50

$13^{\circ}05.1'$ $D = 20^{\circ}$

+25

$10^{\circ}35.1'$ $T = 131.67$

61

$8^{\circ}05.1'$ $L = 246.83$

+75

$5^{\circ}35.1'$ $R = 286.42'$

+50

$3^{\circ}05.1'$

+25

$0^{\circ}35.1'$

$\overset{60+19.83}{60+19.15}$

PC

$0^{\circ}00'$

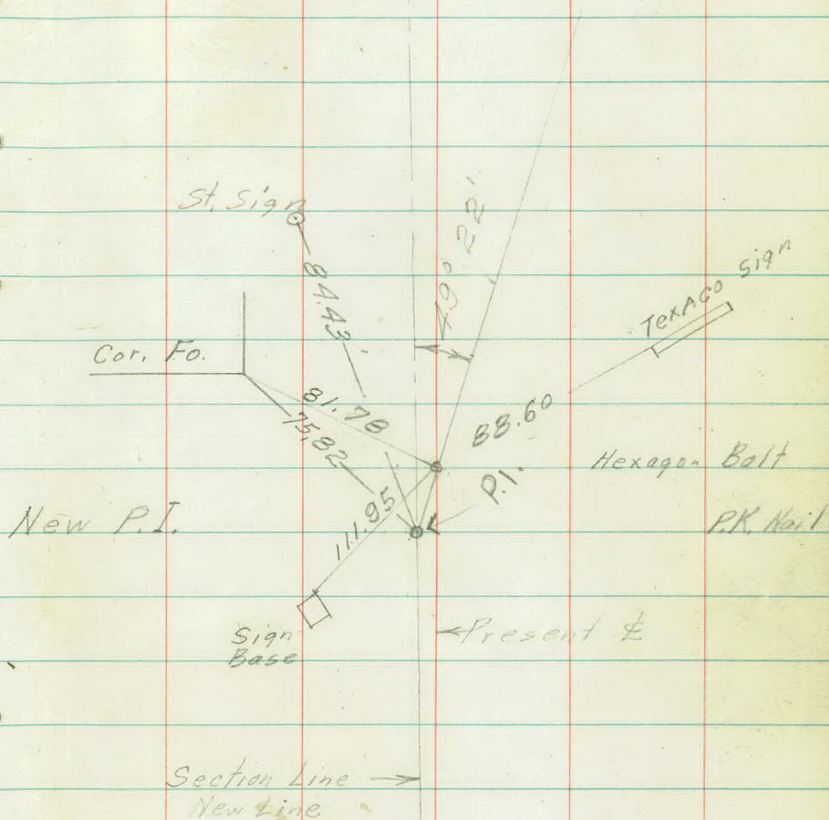
Left Side

17° Curve Right Side

FK
FS
RB

June 17, 1963
± Dec. 3, 1963

3



Sta	Point	$\Delta Lt.$	$\Delta Rt.$
+79.57	P.T.	$9^{\circ} 54'$	
+50		$9^{\circ} 27.4'$	
72		$8^{\circ} 42.4'$	
+50		$7^{\circ} 57.4'$	
71		$7^{\circ} 12.4'$	<u>Chord</u>
+50		$6^{\circ} 27.4'$	$P.L. = 69+52.9$
70		$5^{\circ} 42.4'$	$\Delta = 19^{\circ} 48' Lt$
+50		$4^{\circ} 57.4'$	$D = 3^{\circ} 00'$
69		$4^{\circ} 12.4'$	$T = 333.33'$
+50		$3^{\circ} 27.4'$	$L = 660.00'$
68		$2^{\circ} 42.4'$	$R = 1909.88'$
+50		$1^{\circ} 57.4'$	
67		$1^{\circ} 12.4'$	
+50		$0^{\circ} 27.4'$	
66+19.57	P.C.	$0^{\circ} 00'$	

FK
JS
LB
BZ

Sept. 9, 1963

4



S. Bolt in C.B.

8.02

Iron

8.81

PK nail
in Curb

P.K. Nail
in Curb

33.29

Iron

35.22

P.K. Nail
in Curb



Drill Hole

54.56

3 Nails
- PP

63.56

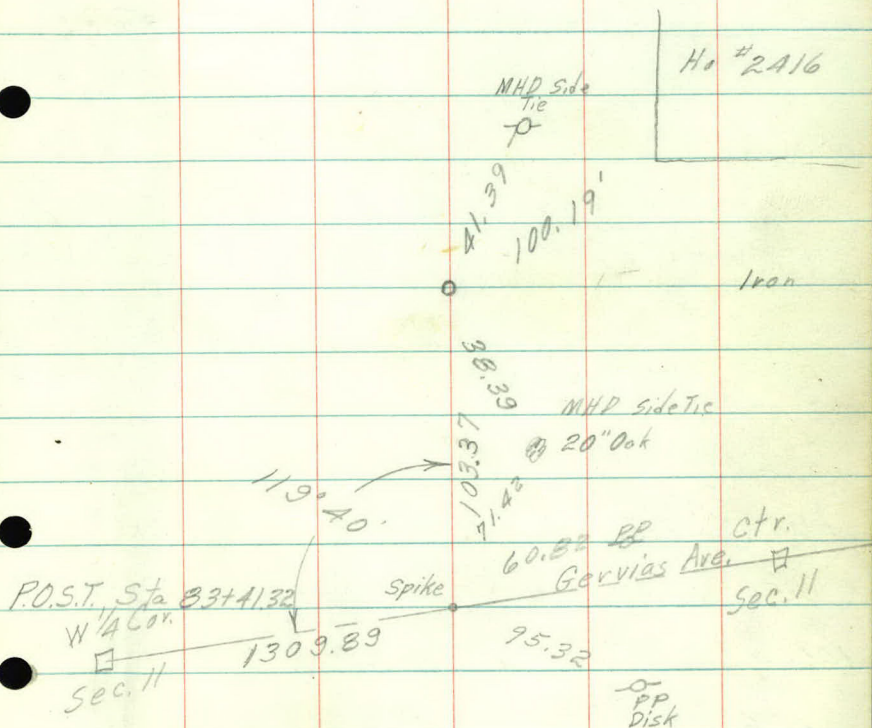
P.K. nail

50.70

Punch Mark
Top Curb.

Sta	Point	ΔL	ΔR
+85.05	PT	$13^{\circ}28'$	
+50		$12^{\circ}56.5'$	
88		$12^{\circ}11.5'$	
+50		$11^{\circ}26.5'$	
87		$10^{\circ}41.5'$	P.I. 84+44.69
+50		$9^{\circ}56.5'$	$\Delta = 26^{\circ}56'$
86		$9^{\circ}11.5'$	$D = 3^{\circ}$
+50		$8^{\circ}26.5'$	$T = 457.41$
85		$7^{\circ}41.5'$	$L = 897.77$
+50		$6^{\circ}56.5'$	$R = 1909.86$
84		$6^{\circ}11.5'$	
+50		$5^{\circ}26.5'$	
83		$4^{\circ}41.5'$	
+50		$3^{\circ}56.5'$	
82		$3^{\circ}11.5'$	
+50		$2^{\circ}26.5'$	
81		$1^{\circ}41.5'$	
+50		$0^{\circ}56.5'$	
80		$0^{\circ}11.5'$	
79+87.28	PC	$0^{\circ}00'$	

Sept. 13, 1963 5



Sta Point ΔL ΔR

109+81.92 $\pm$ Co. Rd. "C"

P.I. 100+15.74

+98.44 P.T.

$4^{\circ}08\frac{1}{2}'$

$\Delta = 8^{\circ}17'8"$

+50

$2^{\circ}55.9'$

$D = 5^{\circ}$

100

$1^{\circ}40.9'$

$T = 83.0$

+50

$0^{\circ}25.9'$

$L = 165.7$

99+32.74 P.C.

$0^{\circ}00'$

$R = 1146.48$

FK
JS
LB
BZ

Sept. 10, 1963

6

⊗ USC+GS
BM

72.88

P.K. Nail

103.64

124.75

Service
Station
Building

Cor. Cement
Block Bldg.

Disk
GPO

29.44

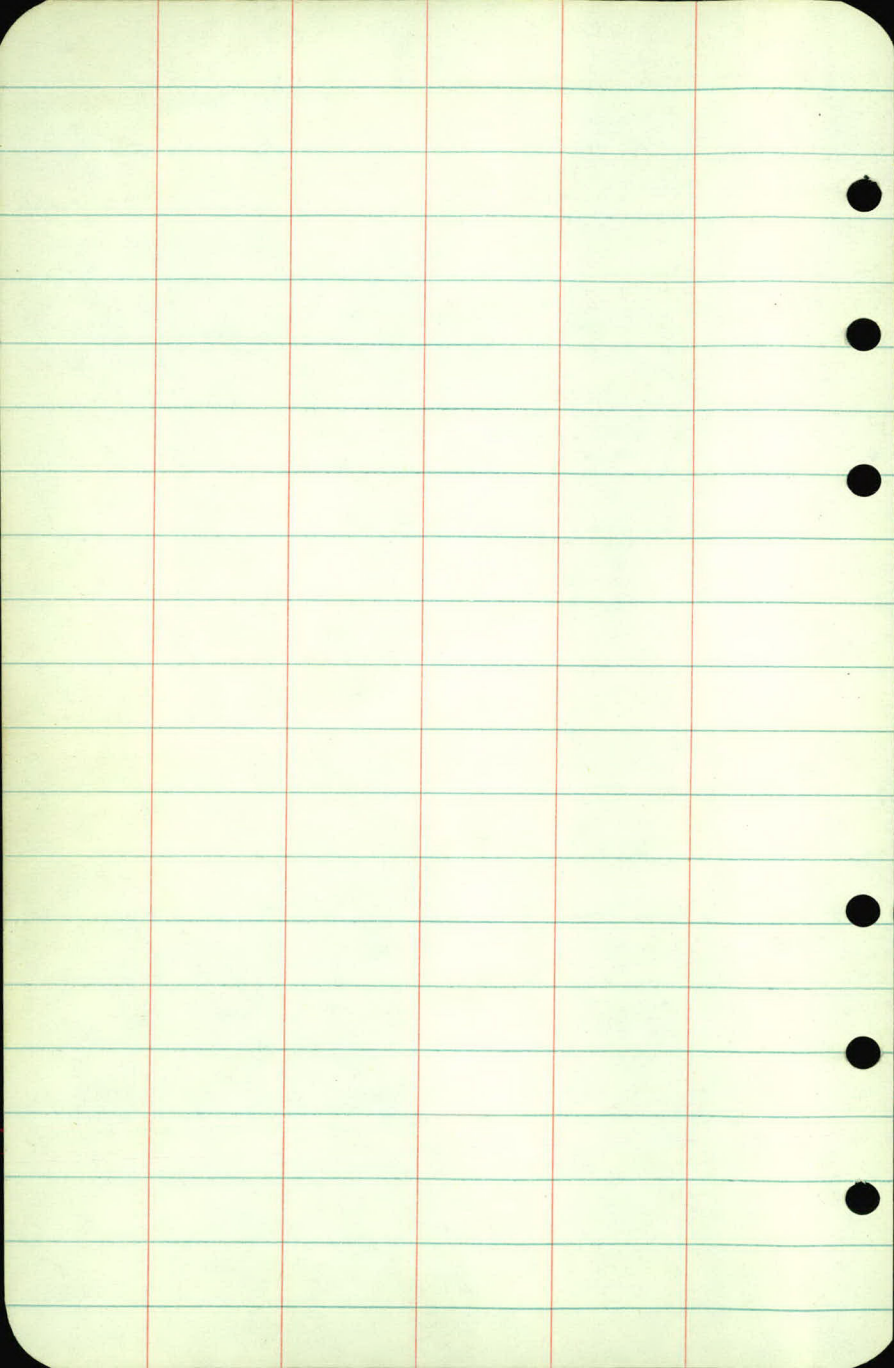
31.22

o Disk
PP

P.K.
No. 1

8" 14 1/2"

8" 12' 15"



Prosperity
Intersection

Sta	Point	$\Delta Lt.$	$\Delta Rt.$
-----	-------	--------------	--------------

P.L. = 6489.63

$$\Delta = 3^{\circ}15'$$

$$D = 2^\circ B$$

$$T =$$

4 =

$$R = 2864.93$$

+02.50 P.T.

$$2^{\circ} 01' 30'' \text{ P.I.} = 5 + 0.13$$

6

$$2^\circ \Delta = 4^\circ 03'$$

+50

$$1^{\circ}30' D = 2^{\circ} R$$

5

$$1^\circ \quad T = 101,13'$$

+50

$$0^{\circ}30' \angle = 202.50'$$

A

P.C.

$$0^{\circ}00' \quad R = 2864.93'$$

Dec. 4, 1963

2

Section Line →

P. I 61+49.10

54.74

$\Delta = 3^{\circ}15'$

4.33'

57.85

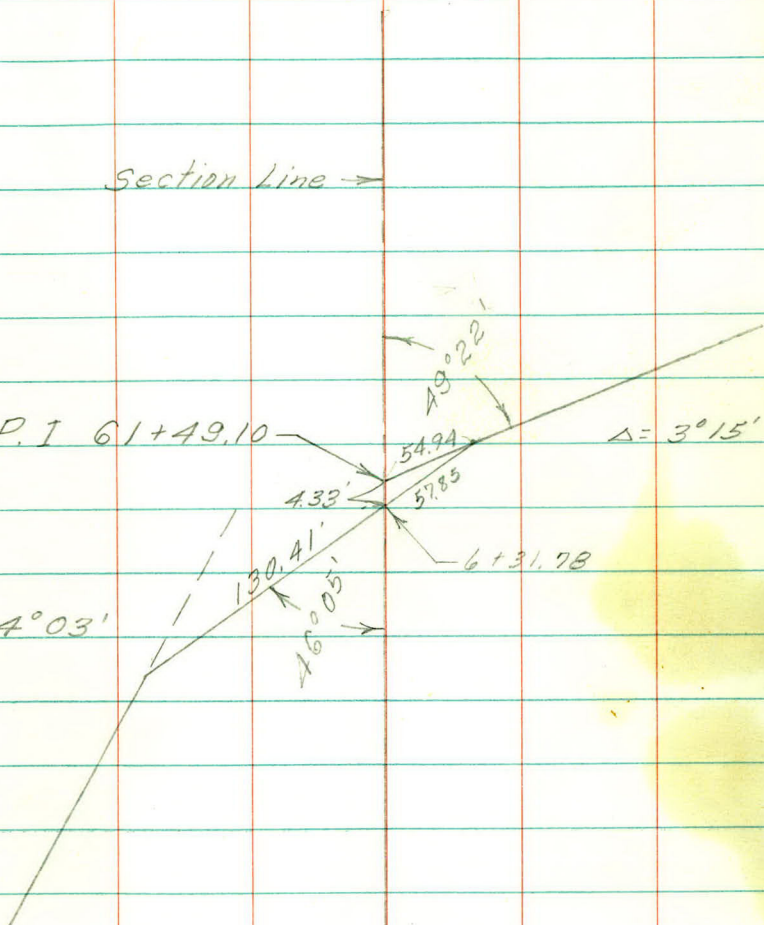
61+31.78

$\Delta = 4^{\circ}03'$

130.41'

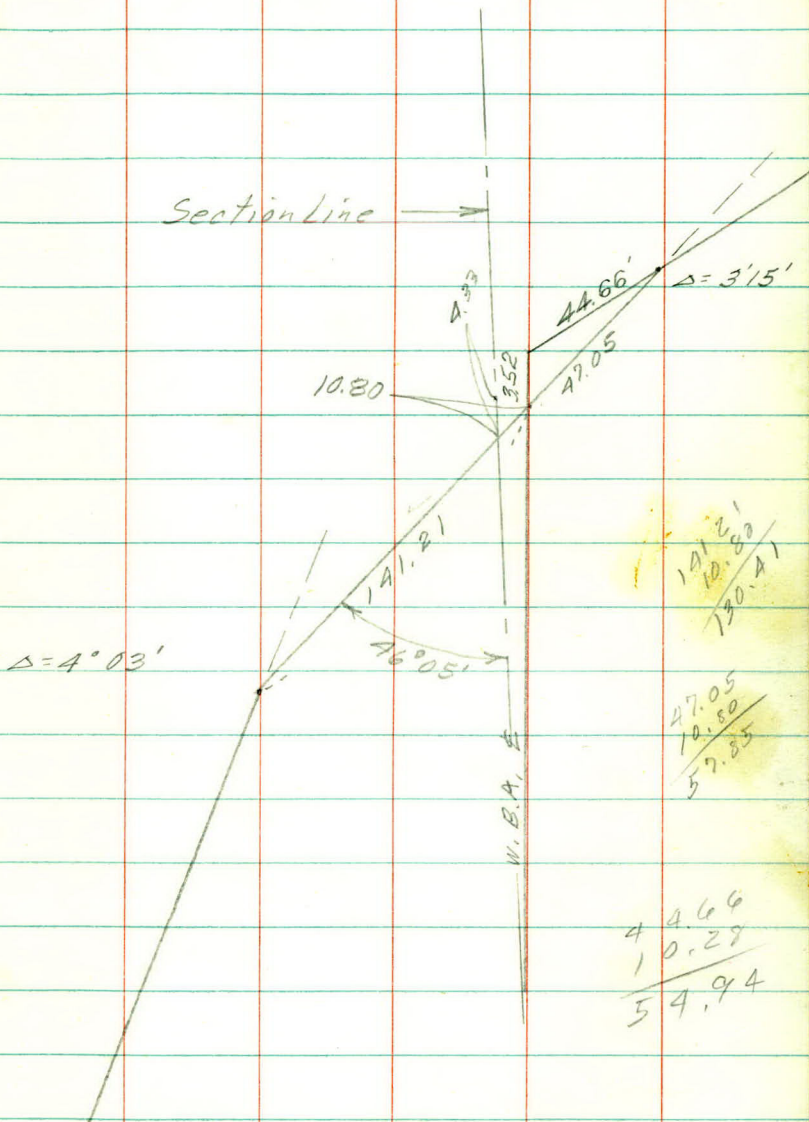
$\Delta = 6^{\circ}05'$

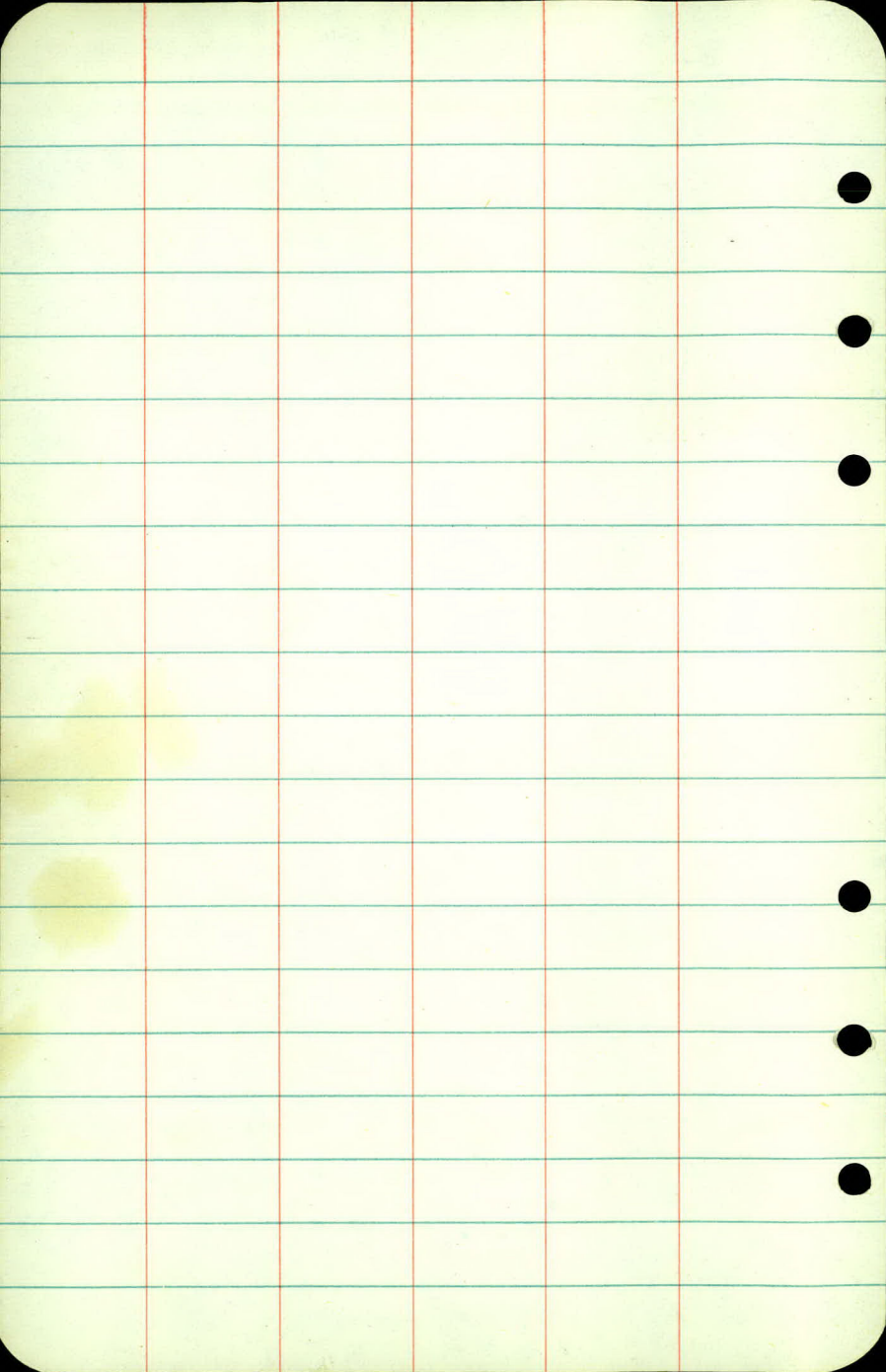
$\Delta = 9^{\circ}22'$

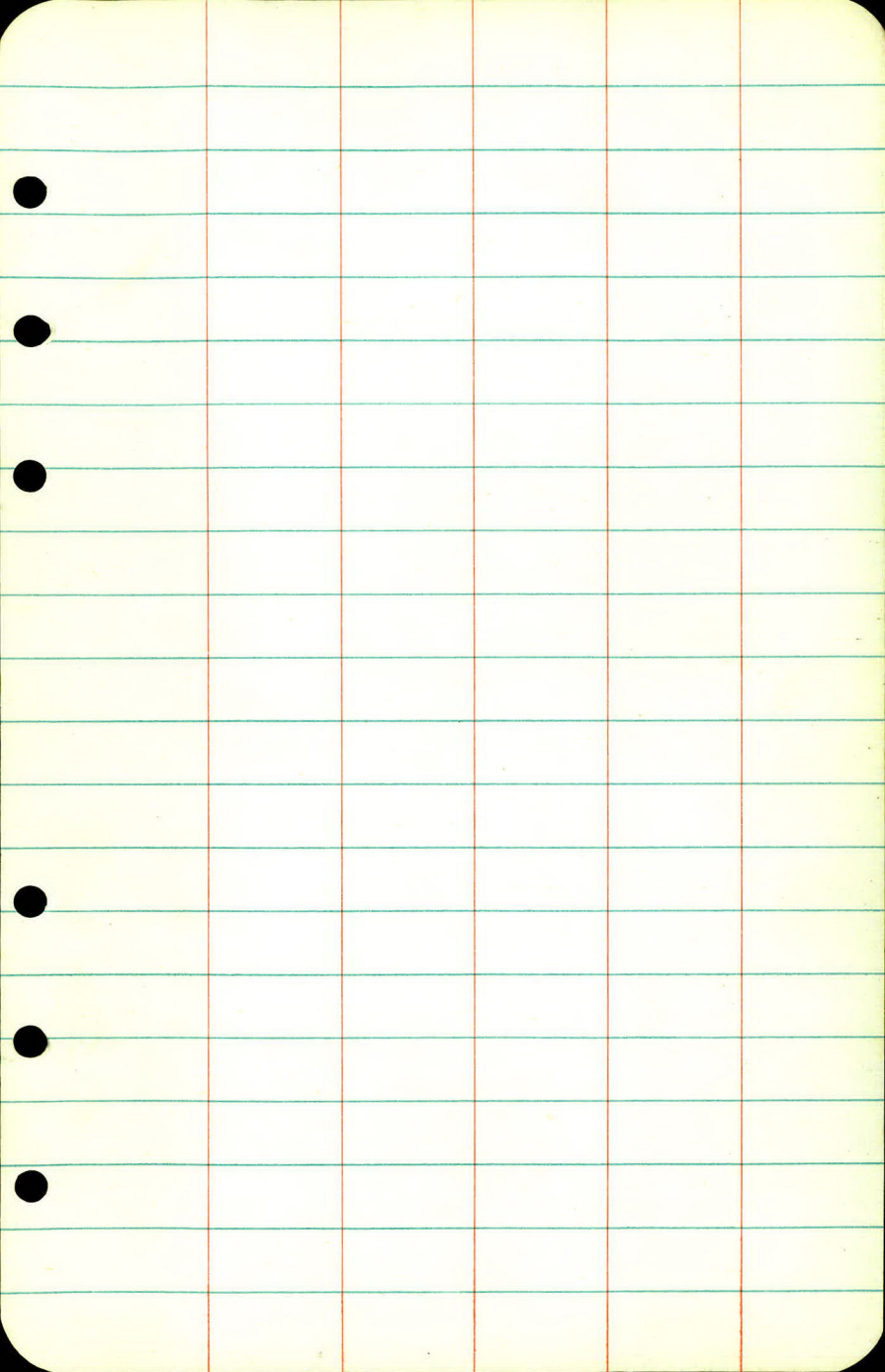




Nov. 27, 1963







71.86 old

$$62 + 63.62 \text{ Equation}$$

$$PT = 62 + 65.98$$

New Dist Old
~~West~~ ~~East~~

63 0.00

+75 0.00

+50 0.7

62 2.15

+50 3.65

61 4.95

+50 6.20

+25 6.40

60 6.46

59 5.55

58 4.67

57 3.29

56 2.90

55 2.01

54 1.12

53 0.23

52 + 72.95 0.00

TOPOGRAPHY

Sta	Lt	±	Rt
+52	<u>ER</u> 19	+47 <u>Beq Bit Curb Rod</u> 26	
+45	<u>E. Terrace Wall</u> 35.5	+25 <u>Cur. BT</u> 25	+56 <u>PP</u> 29
	125.5 <u>E. Terrace Wall</u> 34.5		+100 <u>Begin Bit Curb</u> RT
28	<u>Conc</u> 12	+100 <u>End Conc Curb</u> 25.5	<u>Conc Wall</u> 12 33

+50		+131 <u>G.V.</u> 15.5	+132 <u>PP</u> 29
+34	<u>MH</u> 24	+31 <u>G.V.</u> 14.5	
	+18 <u>6" Elm</u> 35	+27.5 <u>G.V.</u> 13	+30 <u>G.V.</u> 15
27		<u>Curb</u> 25.5	<u>Wall</u> 33

+72.5	<u>Full Box</u> A1		
	+78.5 <u>ER</u> 25.5		
+50		<u>Face Curb Wall</u> 25.6	33.4
	+47 <u>BRC</u> 54.5		

Lt.

June 17, 1963 Rt

5



+94 ⁰BR & Cor Conc
28

+96 PP
70

+75 BR
20

+81 ER & Cor Conc / Bay Wall
28

+76 12" Pine
45

+30 MH
24

+93 Spruce Hedge
49

30

B. Curb Conc BT
19.2 10 10 31

+73 BR
25

+76 ER
19

+68 ^{±8} Conc Ent
14

+61 BR
19

+64 ER
25

+37 PP
29

+44 ER
19

+27 ER
25

+40 BR
26

+22 BR
19

+03 W.S.D.
43

29

B. & Curb Conc BT ± 4' steps
19 10.2-10.2 33 +00 33-47

+98 End Wall
33

+64 End Bit Curb
25.5

F.K. - WHERE IS BEG OF
B.T. CURB? K.J.

FK
JS
BZ
FK
JM

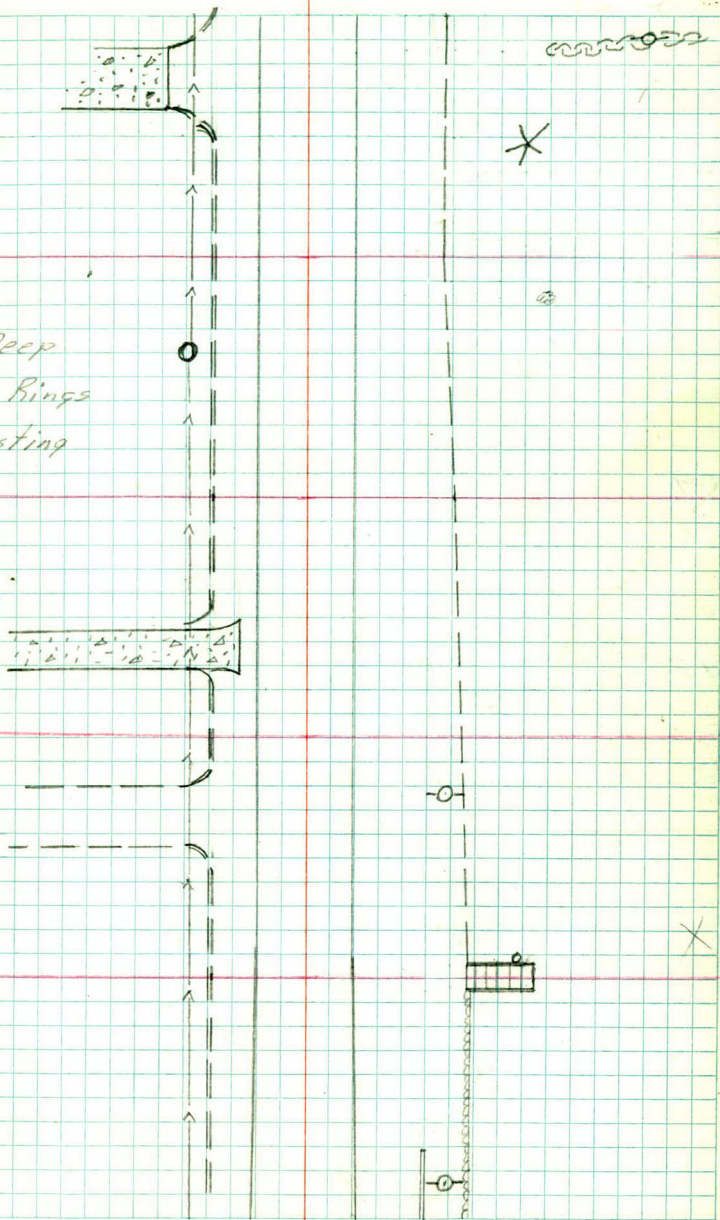
L+

June 18, 1963

RT

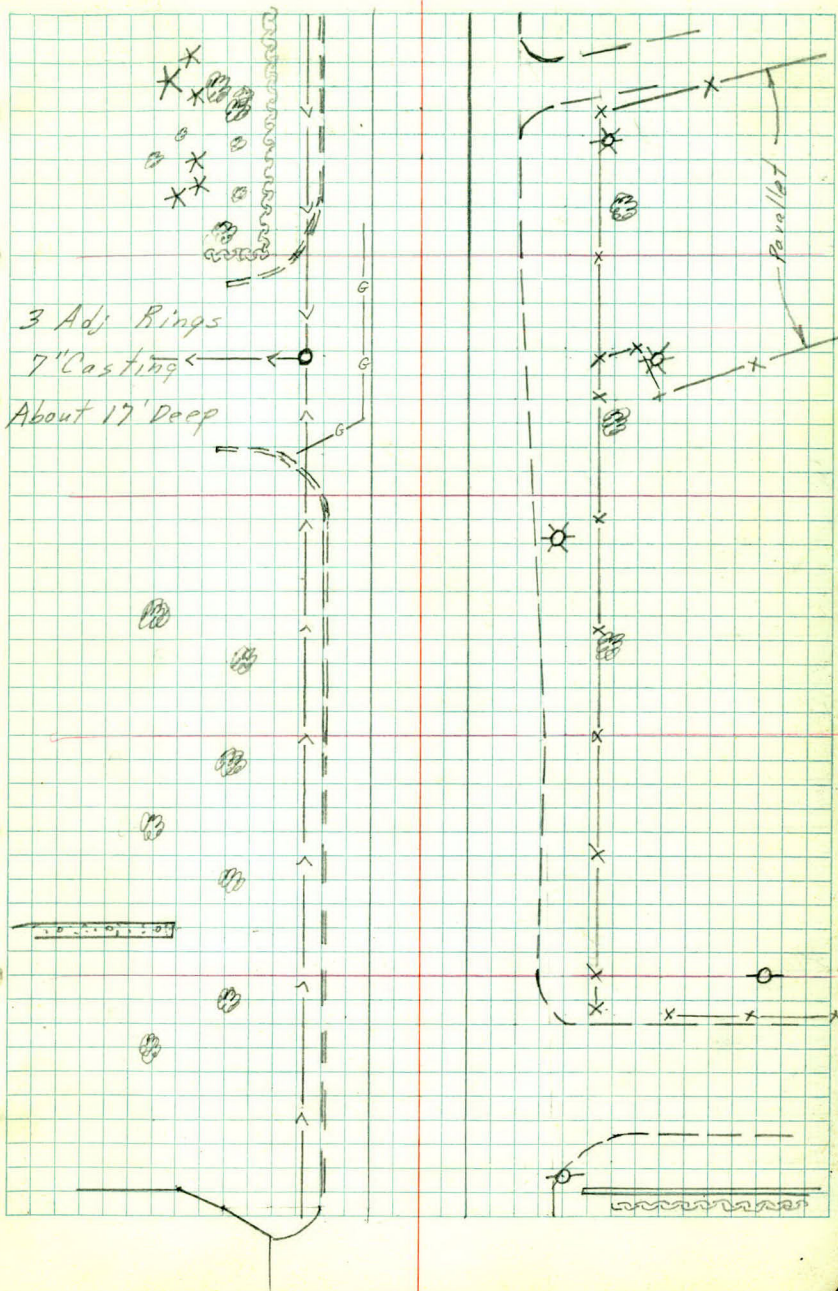
6

8.6' Deep
2 Adj Rings
8" Casting



June 18, 1963

7



36	B. Curb 20	Conc 10-10	BT 18	Fe 40
+89	E. Ent 20			
	+66	B. Ent 20		
+24	2" P 44	+24	E. Wall/Hedge 58	
	+24	PP 38		
+19	2" P 39	+19	2" P 44	
	+13	4" Birc 50	+33	24" E/m 43
35	+100	Wall Curb 57 20	Conc 14-10	Bit Fe 18.5 36
+79	2" P 41	+71	B. Wall 56	+71
	+74	2" P 45	B. Hedge 55	
+78	M.H. 23.5	+74	1" P 41	
	+72	ER 20		
+69	Cor. B.T. 34	+69	Lite Base 53	Dist out 52
	+66	BR 32		
+48	ER 30	+48	Cor Wall 55	
+45	B.R. 20	+41		
	+25	Bit Park 40-51		
34	+100	Wall 51	Conc 10-10	BT Fe 19 37
				+91
				24" E 42
+72	Cor Wall 49	+74	Cor Conc Ent 20	+82
				P.P. 28
+53	Cor Conc Ent 19.5	+53	Cor Hedge 31	+54
				18" E/m 60

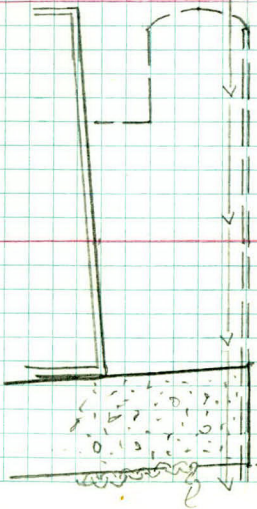
R.TIE TO HEDGE
& DRIVEWAY?
9/10/63

June 18, 1963

8

Inv to Top - 6.7
11 Adj. Rings
8" Casting

Dead End



£

+140 Signal
18

+107 GP
28

+115 Vent Pipe
20

+139 Pull B
23

+125 E. Fe
49

+137 Pull B
33

+138 Sig Box
28

+112 Gas Main Det.
48

+119 B He Fe

+134 24" x 27" x 33"
32 5 End C.P.

+103 Breather Pipe
50

+101 P.P.
28

38

BT
17.5

con c
10-10

BT
14

Fe Cov
100 42

+197 Breather Pipe
50

+193 Breather Pipe
43

+183 Breather Rpe
43

+126 16" Willow
50

+108 5" BF
38

37

BT
20

B.T. Fe
16 41

+164 14" 0
41

+146 12" 0
48

+160 16" 0
43

+190 5" BF
35

+165 ESP.
39

+161 £ 6' Spillway
20

+167 ESP.
28

+161 PP
28

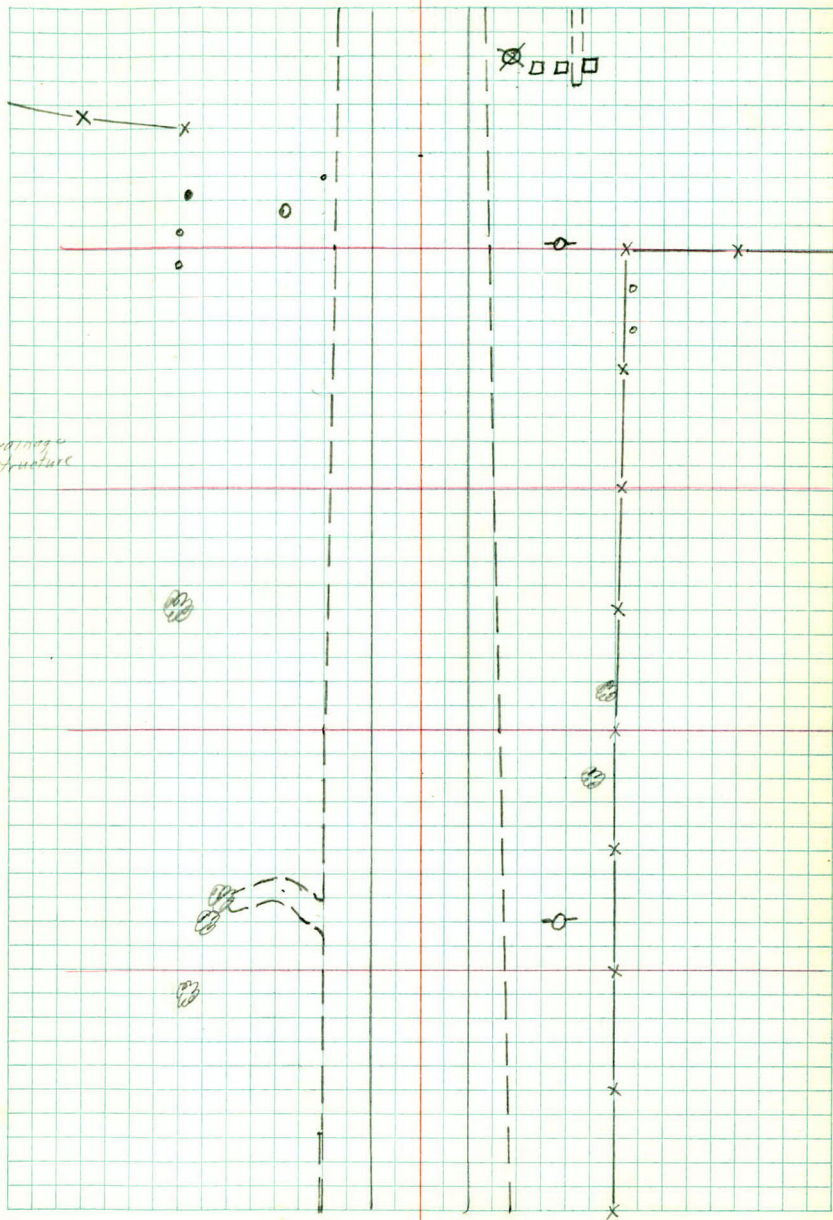
+116 End B. Curb
20

36

June 18, 1963

9

Drainage
Structure



^{15'}
 A1 $\frac{\$ Ditch}{47}$ $\frac{B.T.}{11.5}$ Conc 10-10 $\frac{B.T.}{17}$

+48 $\frac{NE Cor Headwall}{40.7}$

+88 $\frac{\$ 22' Ent}{R+30'}$

+44 $\frac{R.Tie}{NW Cor Headwall}$

+18 $\frac{B.T.}{11.5}$

+20 $\frac{Ent}{Lt}$

40 $\frac{B.T.}{16}$ $\frac{Conc}{10-10}$ $\frac{B.T.}{17}$

+90 $\frac{Well}{65}$

+86 $\frac{SW Cor Bldg}{68}$

+85 $\frac{R.Tie}{Fe East}$

+82 $\frac{PP}{28}$

+85 $\frac{Beg Ent (oil)}{RF}$

+01 $\frac{Gas Vent}{Tg}$

+04 $\frac{PP}{28}$

39 $\frac{B.T.}{15.5}$ $\frac{Conc}{10-10}$

$\frac{B.T.}{14}$

+96 $\frac{R.Tie Fe}{Rt}$

+93 $\frac{Fe Cor}{30}$

+73 $\frac{Signal}{18}$

+66 $\frac{N.E. Culvert}{38}$

+52 $\frac{\$ Track}{56.1}$

+58 $\frac{R.Tie}{Fe Rt}$

June 18, 1963

10

1' Walls
Headwall is
7.0' Above
30" CM

10.35

10.35

10.35

10.35

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10.35

Dirt Ent.

Area

Oiled Parking

Wall

32.5

11.3

6.2

10

3.5

5.3

3.5

5.3

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+65 $\frac{PP}{61}$

+53 $\frac{PP}{28}$

43

$\frac{BI}{11}$

$\frac{Conc}{10-10}$

$\frac{BI}{11.5}$

$\frac{Fe}{34}$

+65 $\frac{End Ditch}{17}$

68' Long

+60 $\frac{E.E 36" CM}{33}$ Plugged

length?

+64 $\frac{W End 36" CM}{35}$

length?

+102 $\frac{PP}{29}$

42

$\frac{\pm Ditch}{43}$

$\frac{BI}{11}$

$\frac{Conc}{10-10}$

$\frac{BI}{12}$

$\frac{Fe}{34}$

+44 $\frac{Begin Swamp}{RT}$

+35 $\frac{Fe Cor}{34}$

+25 $\frac{BI}{11.5}$

+25 $\frac{PP}{28}$

+18 $\frac{Edge Ent}{Ent}$

41

+100 $\frac{Begin Swamp \& Lowland LT}{LT}$

June 18, 1963

11

Swampy lowland

Swamp & lowland

0

x

x

x

x

x

x

x

x

x

x

x

46	<u>Swamp</u>	<u>BT</u>	<u>Conc</u>	<u>BT</u>	<u>Fe</u>
	119-40	11	10-10	11.6	33

+150 Begin Swamp
40

+103 PP
28

45	<u>BT</u>	<u>Conc</u>	<u>BT</u>	<u>Fe</u>
	11	10-10	11.7	33

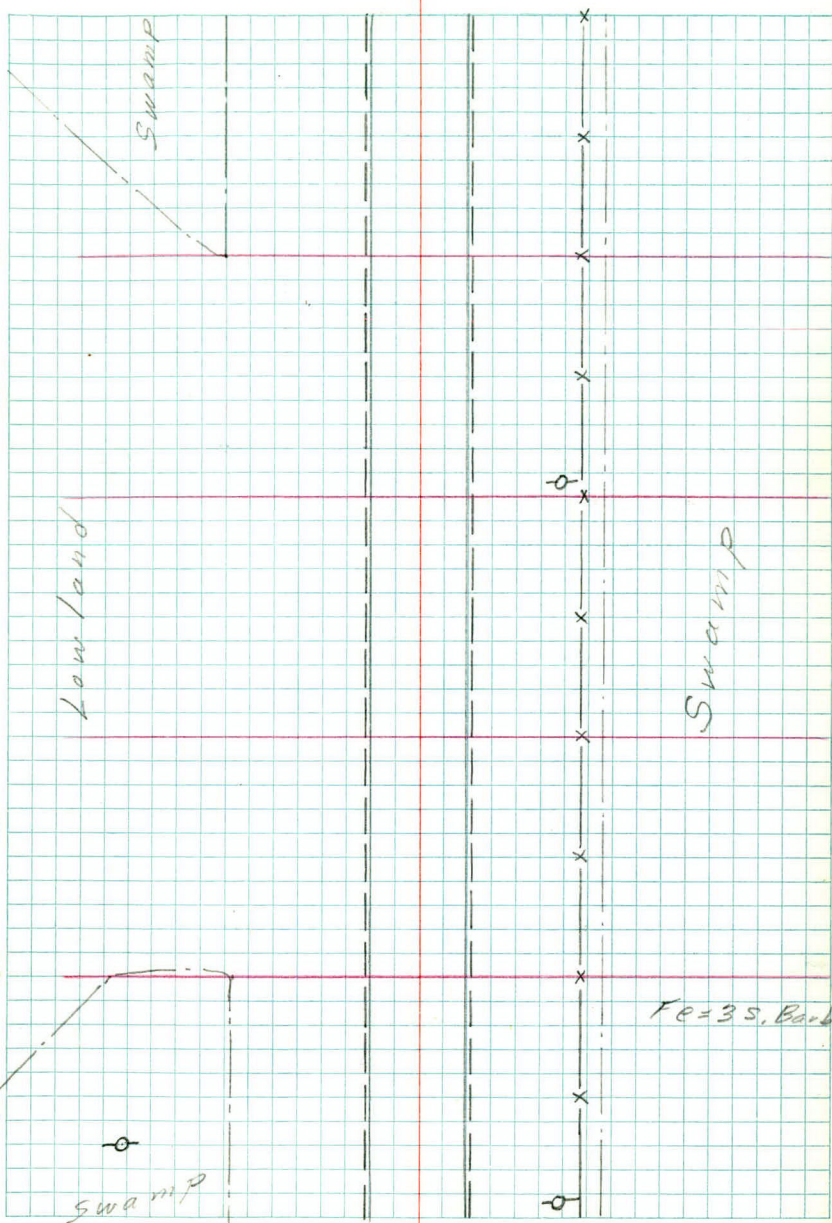
+100 End Swamp
64-38

44	<u>B.T.</u>	<u>Conc</u>	<u>B.T.</u>	<u>Fe</u>
	11	10-10	11.7	33

+75 Cor. Swamp
111

June 18, 1963

12



+56 $\frac{1^{\circ}P}{38}$

+57 $\frac{Cedar}{34}$

+10 $\frac{Fe Cor}{33}$

+34 $\frac{End Lowland}{L+}$

+02 $\frac{PP}{28}$

48

$\frac{BT}{20}$

$\frac{Conc}{10-10}$

$\frac{BT}{114}$

$\frac{Fe}{33}$

+85 $\frac{BT}{11}$

+56 $\frac{End Swamp}{190-40}$

+50 $\frac{End Lowland}{R+}$

47

$\frac{Swamp}{128 40}$

$\frac{BT}{11}$

$\frac{Conc}{10-10}$

$\frac{BT}{11}$

$\frac{Fe}{33}$

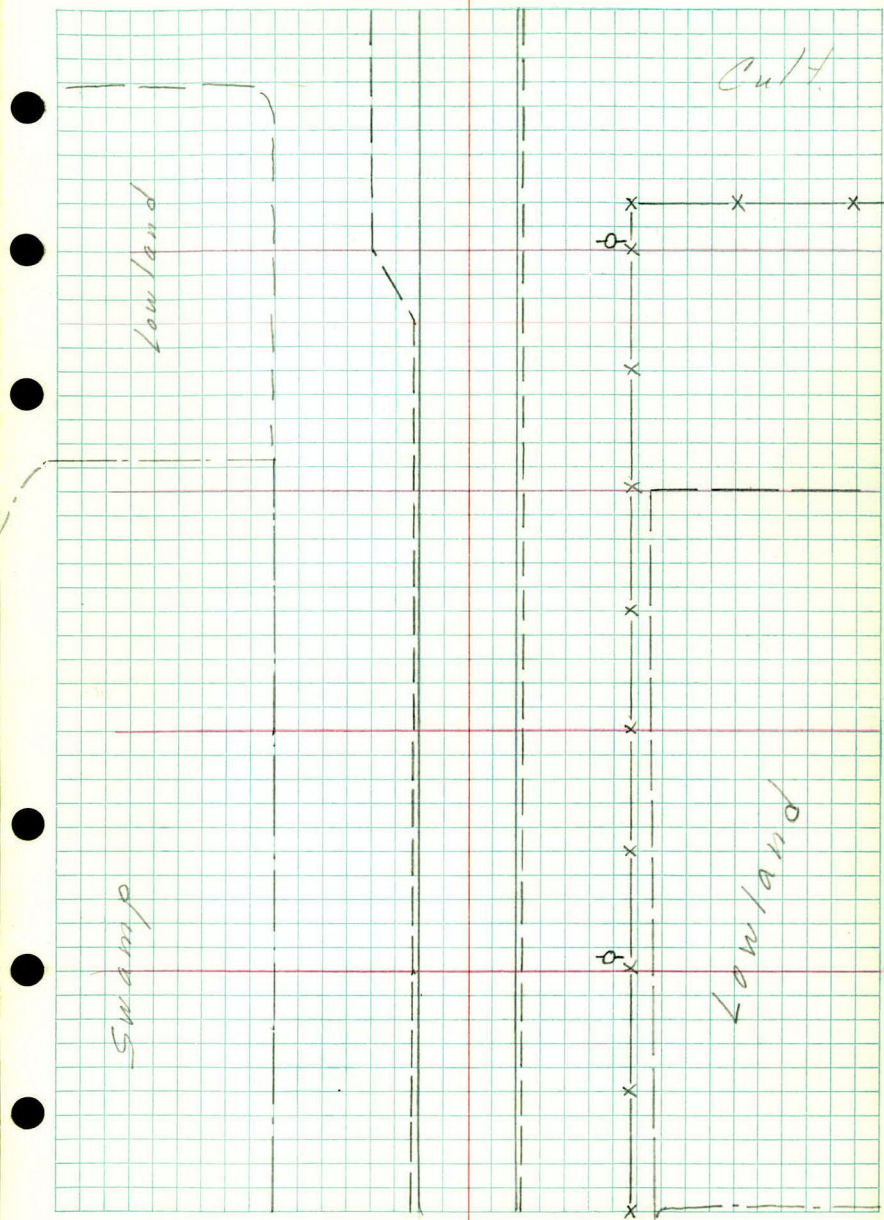
+53 $\frac{PP}{28}$

+6

+00 $\frac{End Swamp}{R+}$

June 18, 1963

13



51

Lt
BT
23Conc
10-10Rt
BT
20+97 $\frac{14''0}{41}$ +84 $\frac{10''\text{Applc}}{40}$ +77 $\frac{10''0}{48}$ +65 $\frac{4''\text{BE}}{40}$ +76 $\frac{6''0}{45}$ +77 $\frac{9''0}{46}$

50

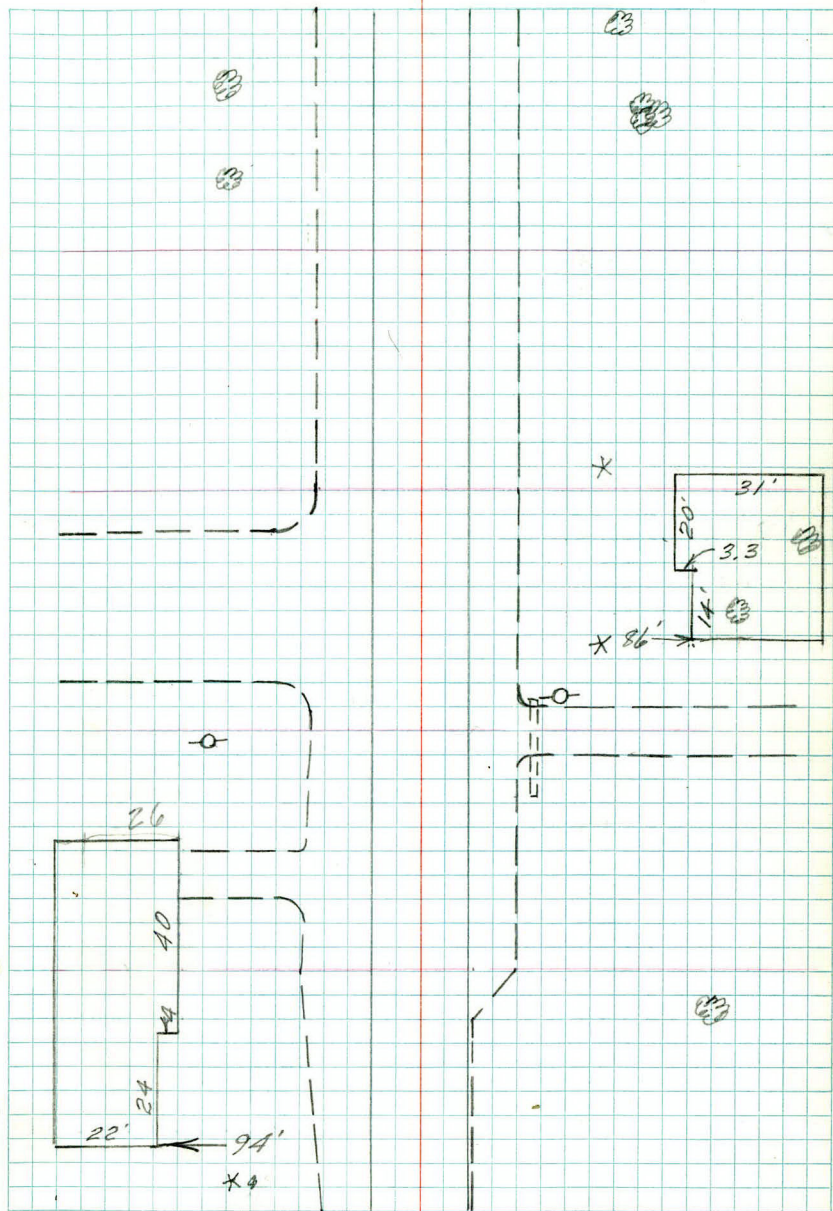
100 ER
22Conc
10-10+05 $\frac{1''P}{37}$
BT
20+90 $\frac{12''0}{80}$ +74 $\frac{16''\text{Oak}}{64}$ +92 $\frac{\text{BR}}{31}$ +69 $\frac{\text{S.W. Cor Ho}}{86}$ +60 ER
31+69 $\frac{1''P}{37}$ +48 $\frac{\text{PP}}{43}$ +54 $\frac{\text{BR}}{23}$ +57 $\frac{\text{PP}}{29}$ +50 $\frac{\text{Ent}}{\text{Rt}}$ +20 $\frac{\text{Ent}}{25}$ +37 $\frac{\text{S.E. } 15'' \times 20'' \text{ CM}}{23}$

49

BT
25Conc
10-10BT
19+90 $\frac{\text{BT}}{11}$ +92 $\frac{14''\text{BE}}{60}$ +63 $\frac{\text{S.E. Cor Ho}}{94}$

June 18, 1963

14



Lt

Z

Rt

~~1000 100.00~~
~~6/24/22~~
 108 $\frac{ER}{20}$
104 $\frac{ER}{20}$

53

Conc
10 10193 $\frac{BR}{34}$ +67.5 $\frac{MH}{\underline{E}}$ +49.5 $\frac{Cor. BT.}{26}$ +85 $\frac{BR}{44}$ +46 $\frac{PP}{26.5}$ +54 $\frac{ER}{42}$ +36 $\frac{12" P}{53}$ +35 $\frac{8" P}{41}$ +44 $\frac{Arch}{39}$ +38 $\frac{BR}{23}$ +30 $\frac{12" P}{65}$ +43 $\frac{Ref. Mont}{33}$ +25 $\frac{12" P}{71}$ +25 $\frac{14" BE}{40}$ +31 $\frac{5" 0}{53}$ +34 $\frac{4" 0}{58}$ +06 $\frac{NE Cor. Ho}{53}$ +22 $\frac{6" 0}{48}$ +08 $\frac{Lilac}{38}$ +12 $\frac{4" 0}{42}$ +16 $\frac{6" 0}{45}$

52

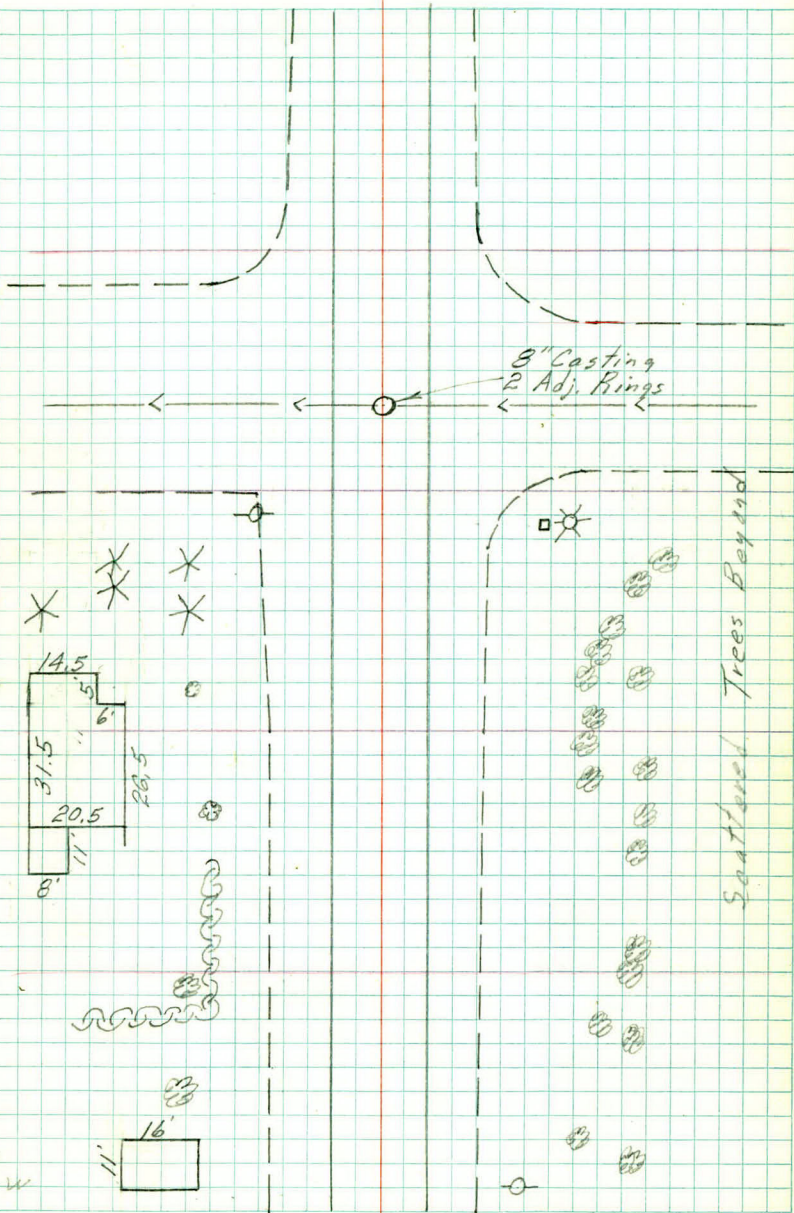
 $\frac{BT.}{23}$ Conc
10 10BT
21.5+02 $\frac{6" 0}{43}$ +92 $\frac{6" 0}{54}$ +97 $\frac{6" 0}{42}$ +82 $\frac{10" 0}{52}$ +90 $\frac{8" 0}{43}$ +75 $\frac{4" 0}{53}$ +83 $\frac{Lilac}{35}$ +54 $\frac{10" 0}{53}$ +50 $\frac{16" 0}{52}$ +73 $\frac{E. Lilacs}{35}$ +39 $\frac{10" 0}{46}$ +47 $\frac{22" BE}{40}$ +37 $\frac{6" 0}{53}$ +42 $\frac{Cor Lilac}{35}$ +16 $\frac{10" 0}{41}$ +25 $\frac{24" BE}{41}$ +10 $\frac{10" 0}{52}$ +05 $\frac{PP}{28}$

51

+04 $\frac{S.E. Cor Garage}{37}$

June 18, 1963

15



N 11° 9'
E 16° W

56

 $\frac{B.T.}{8.5}$

7.1 12.9

 $\frac{B.T.}{14.6}$ +80 $\frac{PP}{31}$

55

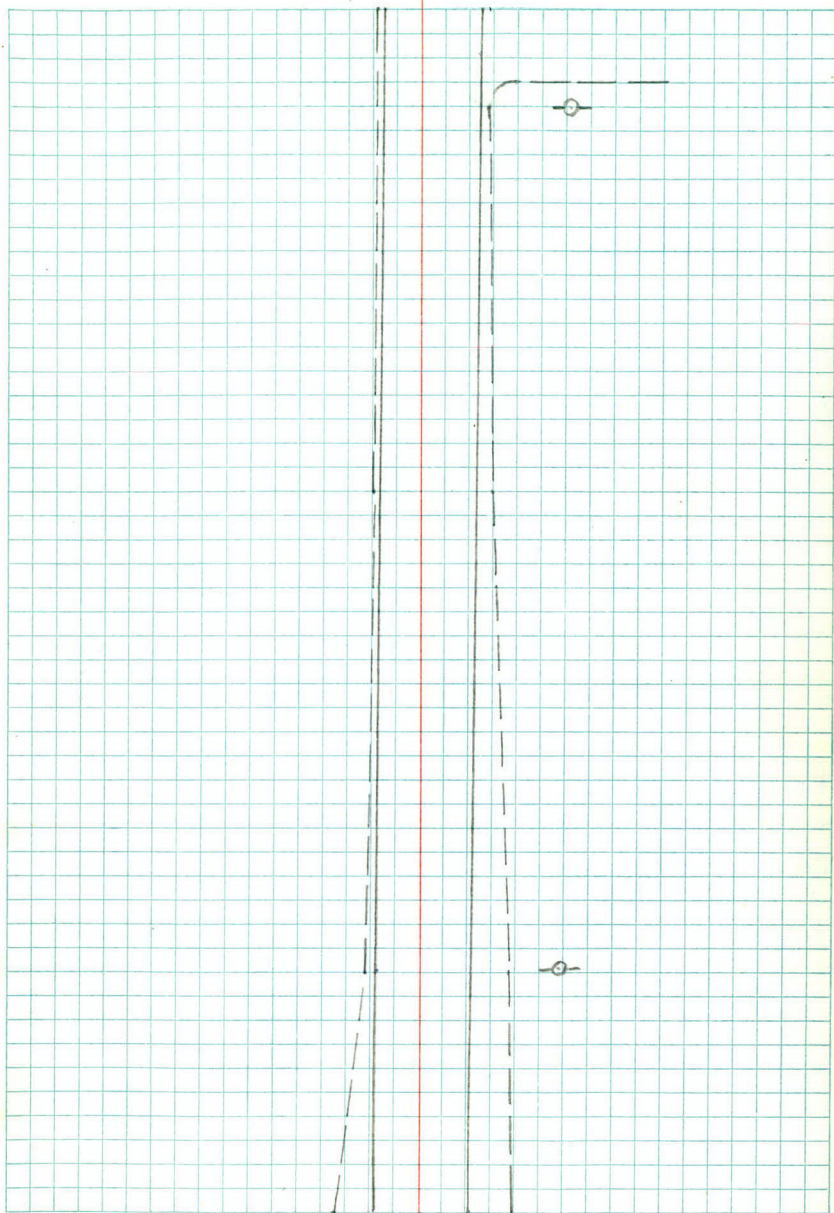
 $\frac{BT}{9.6}$ $\frac{Conc}{8 \ 12}$ $\frac{BT}{15}$

54

 $\frac{BT}{10.4}$ $\frac{Conc}{8.9 \ 11.1}$ +101 $\frac{PP}{29}$
 $\frac{BT}{18}$

June 18, 1963
Revised Dec. 5, 1963

16



Lt	±	Rt
+51 $\frac{PP}{28}$		+51 $\frac{PP}{39}$
	+46 $\frac{18"CE}{39}$	

58	$\frac{BT}{6.3}$	$\frac{Conc}{5.3-14.7}$	$\frac{BT}{16.5}$
----	------------------	-------------------------	-------------------

		+63 $\frac{PP}{34}$
+64 $\frac{PP}{45}$		+56 $\frac{6"CE}{59}$
	+57 $\frac{8"CE}{40}$	
	+43 $\frac{3"P}{42}$	+43 $\frac{3"P}{49}$
	+36 $\frac{4"P}{41}$	
	+07 $\frac{S.W. Cor. Ho.}{79}$	
	+02 $\frac{PP}{32}$	

57	$\frac{BT}{7.4}$	$\frac{Conc}{6.2-13.8}$	$\frac{BT}{16.1}$	+00 $\frac{2"P}{41.5}$
----	------------------	-------------------------	-------------------	------------------------

+87 $\frac{\pm 16"Ent}{RT}$	
	+73 $\frac{2"P}{40}$

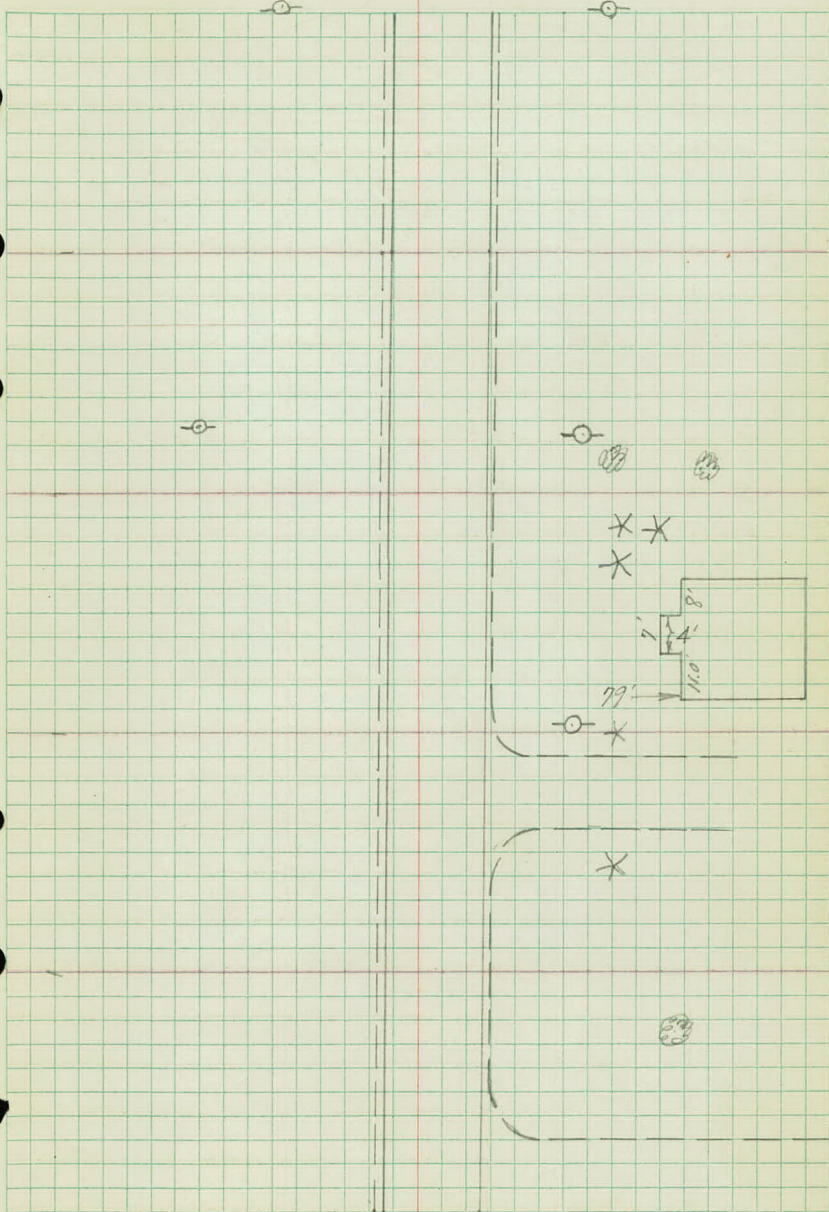
+37 $\frac{4"CE}{53}$

+01 $\frac{\pm 51}{RT}$

56	$\frac{BT}{8.5}$	$\frac{Conc}{7.1-12.9}$	$\frac{BT}{14.6}$
----	------------------	-------------------------	-------------------

Revised Dec. 10, 1963

17



61

Conc	BT
4.9 17.4	23.5

 +86 W.E. 24" SCP x 49"
 14

 +94 E.E. 24" x 49" SCP
 3.5'

 H68 Pl. on Prosperity Rd
 39 483

+50

BT	Conc	BT
9.3	3.7-19.0	25

 +37 L.P.
 5.3

 +49 DX Sign
 34

 +28 L.P.
 25

 +25 PP
 35

 +33 ER
 10

 +25 NE 18" CM
 14.8

 +24 BR
 16.5

 +01 PP
 34

60

Conc	BT
3.5 17.3	24

 +87 BR
 6

 +96 NE Cor Conc
 26

 +72 Lite Pile
 25

 +93 ER
 15

 +89 SE 18" x 36 CM
 13

 +58 SE Pumps 9 x 2.5
 36

 +67 GP
 17

 +56 SE Cor Conc
 26

 +29 PP
 34.5

 +49 BT ER
 6425

 +43 POK
 15

 +29 BT Angle
 61

 +16 POK
 32

 +04 Lite P
 25

 +00 SE Cor E/dg
 65.5

 +24 16" BE
 39, 54, 70, 85

 +00 BR
 6

 +04 18" BE
 39

 +14 2" Ent
 RT

59

BT	Conc	BT
6	4.5-15.5	18.5

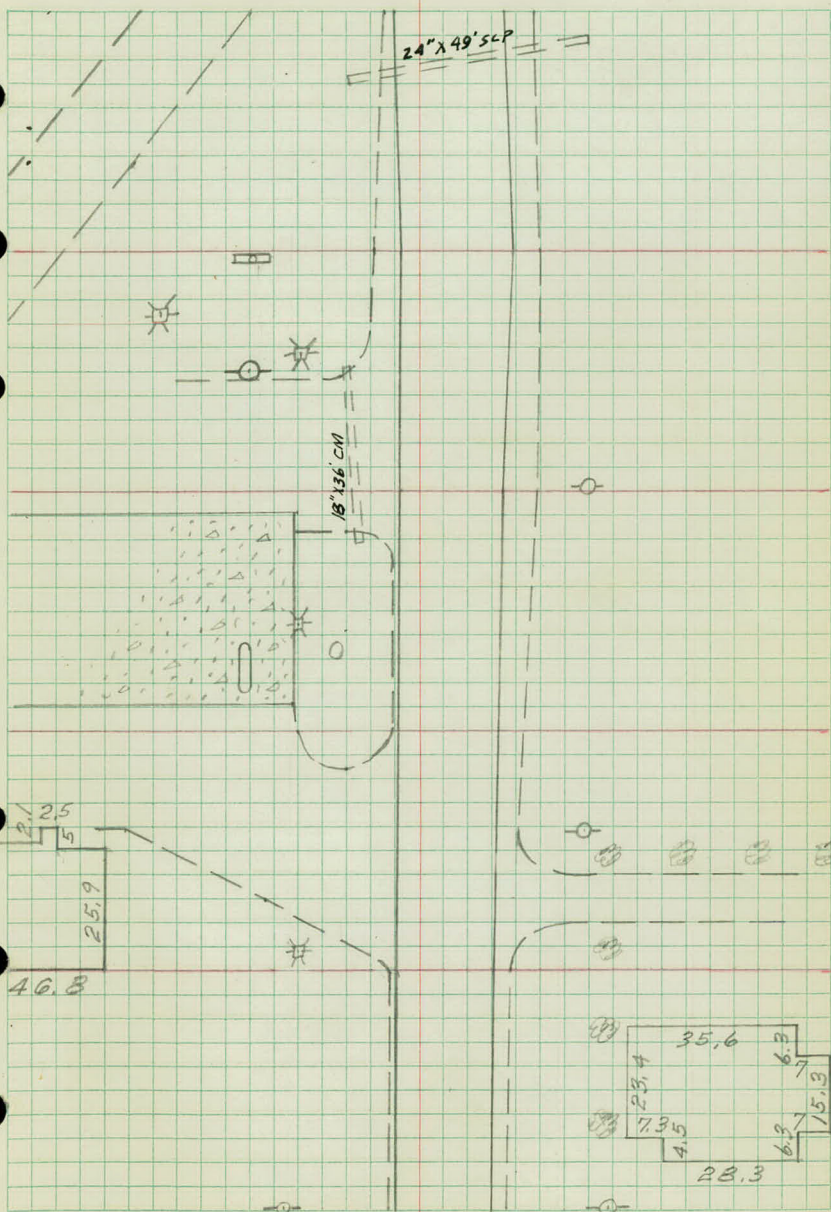
 +87 6" CoH
 39

 +68 8" CoH
 39

 +65 SW Cor Ho
 81

Revised Dec. 13, 1963

18

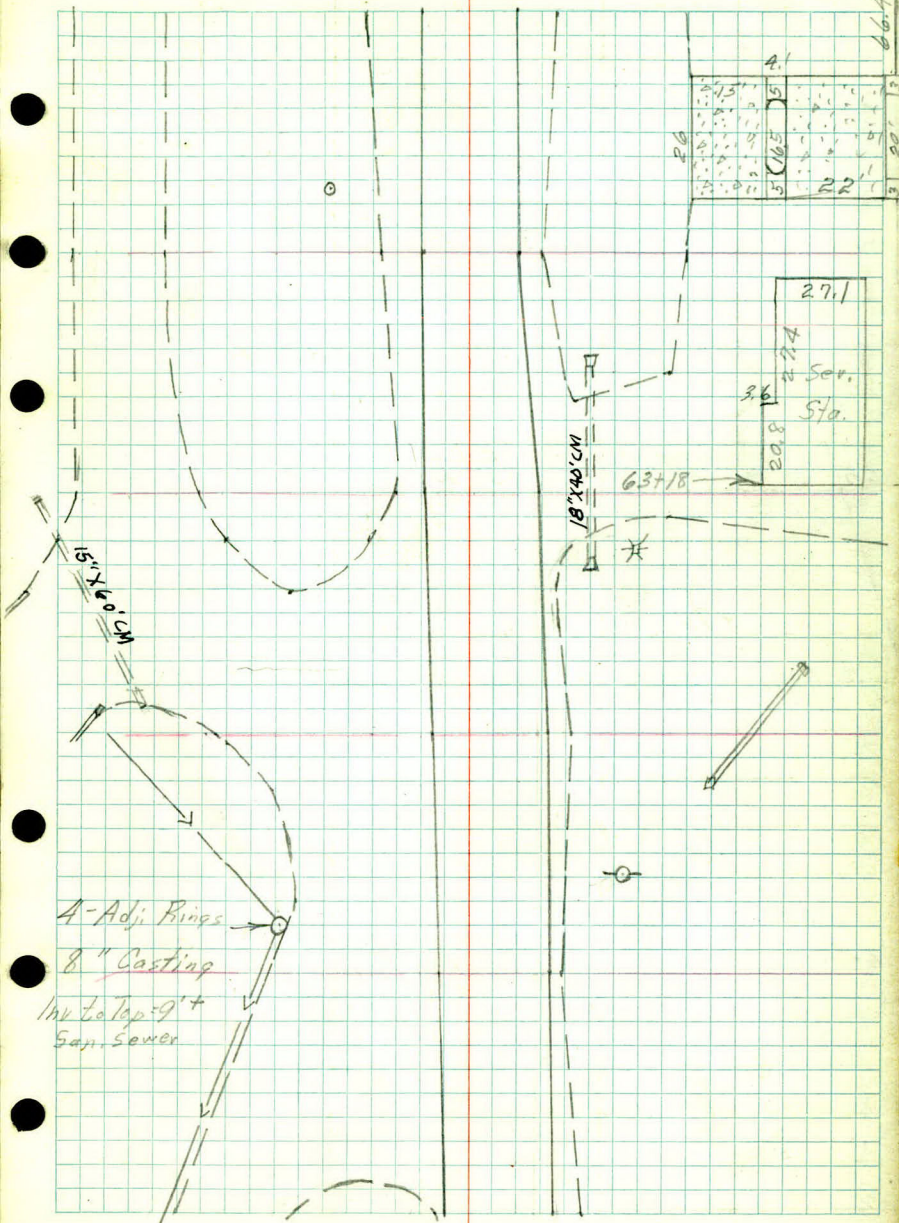


+50

BT
22Conc
9.4-11BT
18+18 W. Cor. Sta
109.3+137 Cor. Conc.
46+113 GP
29+111 Cor. Conc.
45+15 PP
2963 Serv. BT
82-63BT
18Conc
9.6-11BT
15BT Ent
45+46 N.E. 15'x60' CM
88+78 E.E. 18'x40' CM
25 With Aprons+106 S.E. 15'x60' CM
67+75 Edge Ent
42+69 E. Ent
22+50 POR POR BT Conc
82 55 14 8.8-14.7+54 R. Tie
Parking+42 POR
49+47 S. Edge Parking
42+42 POR
84+42 POR
20+42 Edge Ent
24+31 BC
91+18 E.E. Texaco Sign
70+36 B Ent
19+106 Beg. Curb
75+31 POR
36+39 Lite Pole
3662 +100 POR
52Conc
7.5 16.6BT
21.5+36 18' CM Apron
27+92 W.E. Texaco Sign
51+88 POR
41+65 POR
36+71 PP
32+60 MH
39+50 Conc
6.2 16+?BT
19.2+101 ER
35+107 POR
2061 +100 BR
7Conc
4.9 12.4?BT
23.4

June 17, 1963
 Revised Dec 13, 1963

19
 23.7' Wide



66

$$\begin{array}{r} \text{Ser La BT} \\ 81-62 \end{array}$$

$$\begin{array}{r} \text{BT} \\ 22 \quad 20 \end{array}$$

$$+83 \frac{\text{E.E.}}{34} \quad 18" \text{ CM } \times 26" \quad \text{With Aprons}$$

$$+57 \frac{\text{W.E. } 18" \text{ CM}}{34}$$

65

$$\begin{array}{r} \text{Ser La, BT} \\ 81-62 \end{array}$$

$$\begin{array}{r} \text{BT} \\ 20 \quad 15 \end{array}$$

$$+76 \frac{\text{GP}}{38}$$

$$+82 \frac{\text{ER}}{15}$$

$$+71 \frac{\text{PP}}{34}$$

$$+69 \frac{\text{POR}}{22}$$

$$+70 \frac{\text{E.E. Cutu}}{31}$$

$$+59 \frac{\text{Sign}}{50}$$

$$+40 \frac{\text{Cor. BT}}{19}$$

$$+50 \frac{\text{BT}}{50}$$

$$+33 \frac{\text{POR}}{39}$$

$$+23 \frac{\text{BR}}{48}$$

$$+28 \frac{\text{W.E. } 30" \text{ span}}{31 \text{ CM}}$$

64

$$\begin{array}{r} \text{Ser BT} \\ 81-62 \end{array}$$

$$\begin{array}{r} \text{BT} \\ 21 \end{array}$$

$$\begin{array}{r} \text{BT Ent} \\ 47 \end{array}$$

$$\begin{array}{r} \text{BT} \\ 18 \end{array}$$

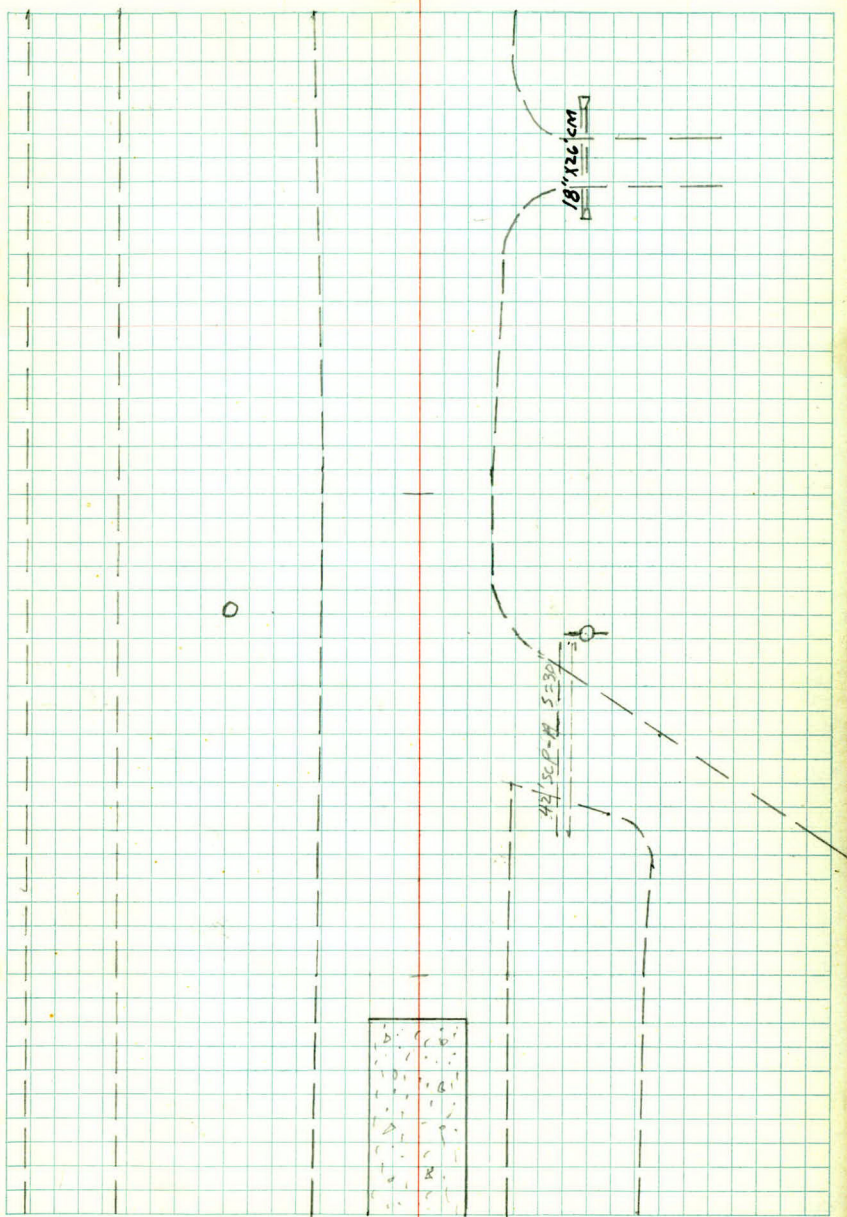
$$+91 \frac{\text{End } 20' \text{ Conc}}{\text{Conc}}$$

63+50

$$\begin{array}{r} \text{Conc} \\ 2.4 \quad 11 \end{array}$$

June 17, 1963

20



+30 $\frac{S.L.}{82-62}$ $\frac{BT}{29}$ Median $\frac{BT}{56-3.1}$ 21 Service Lane 74 + 21'

68 $\frac{S.L.}{81-60}$ $\frac{BT}{28}$ Island $\frac{BT}{51-2}$ 19 Service Lane 79 - 100

+65 $\frac{E.E.}{15" CM Plugged \times 43'}$ 50

+71 $\frac{PP}{100}$

+50 $\frac{S.L.}{81-60}$ $\frac{BT}{29}$ +50 $\frac{Island}{1}$ $\frac{BT}{16.5}$ Sen Lane 63 + 83

+15 $\frac{ER}{54}$

+15 $\frac{ER}{77}$

+04 $\frac{POR}{48}$

+00 $\frac{S.L.}{81-61}$ $\frac{BT}{27}$

+02 $\frac{E.E.}{37}$ 22' span SCP with Apron

67 +00 $\frac{B \& 4' Median}{2}$

+10 $\frac{ER}{15}$

+95 $\frac{POR}{28440}$

+50 $\frac{S.L.}{82-62}$ $\frac{BT}{26}$

+75 $\frac{BRC}{44}$

+84 $\frac{POR}{63}$

+60 $\frac{W.E.}{36}$ 22' span SCP with Apron

+36 $\frac{BR}{22}$

+58 $\frac{POR}{28}$

+27 $\frac{P.P.}{64}$

FK
JS
FS
LB
BZ

Sept 17, 1963

21

15" x 43' CM

Plugged on both
Ends →

AREA 5-2X

Includes Area 5-2X
2.0' Spacing 1445 SEP

0

21
 +85 FOR +78 Rtie S. Side
 49 Service Lane
 NEE 15" CM. Apron
 +82 53 +86 Ctr 8' Radius
 Curb &
 +67 S.W.E. 15" CM
 69 +66 BR +88 BT
 38 53
 W. E 518' SCAprox
 +62 64 +73 S.W. Cor. CB. 3'x2.5
 4.7-7.2
 ER BT Median
 +92 63 150 37 150 7.7 +65 S.W. Cor. CB 3'x2.5
 4.5-7.0
 +65 87
 42
 +38 BT
 35

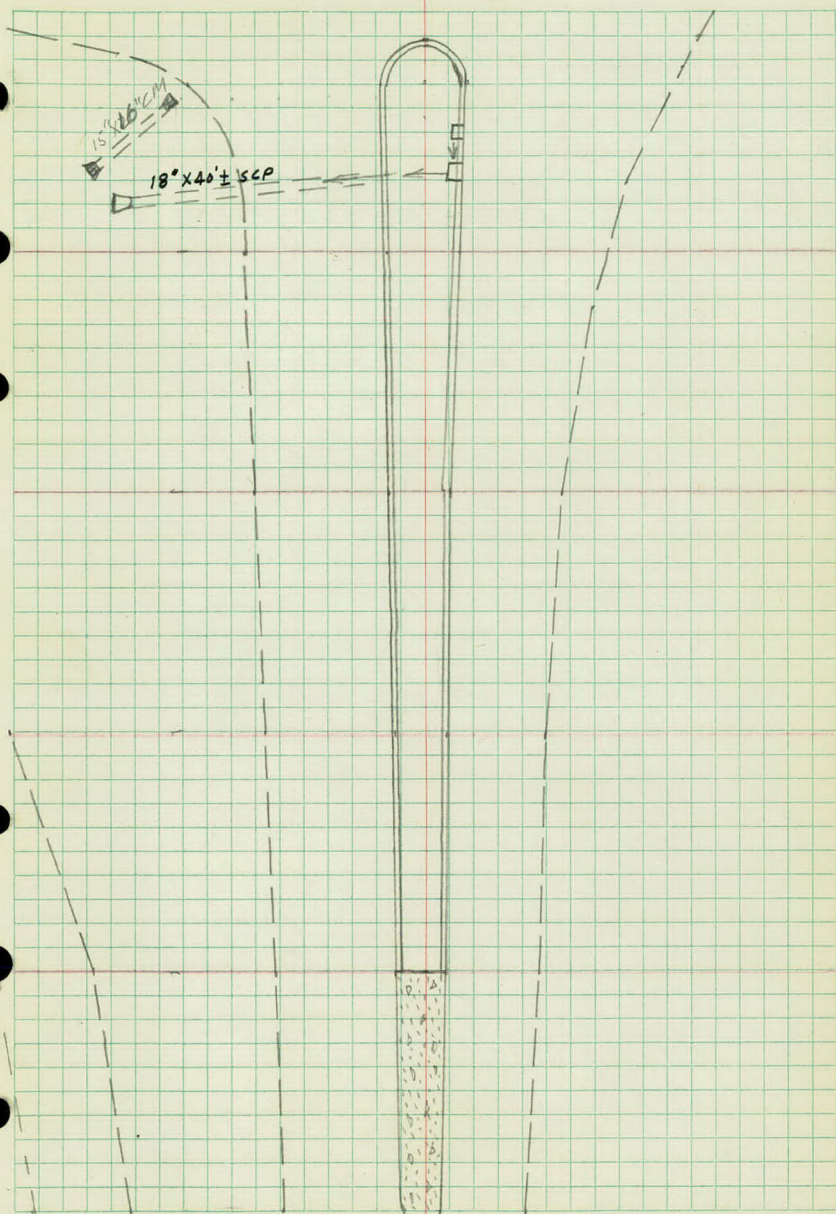
70 SL BT Median Curb BT
 126 35 7.3 5.2 6.2 28

+50 SL BT +50 Median Curb BT
 107-96 23 6.7 - 4.5 5.5 25

69 SL BT End Conc Median BT S. Lane +04 MH
 8.8 68 31 100 6.2 - 4 23 113 118

Sept. 17, 1963

22



150 Curb BT S. Lane
 8-8 34 1074-
 E.E. 24 SCP Apron
 +46 51.2

+43 W.E. 24 SCP Apron
 59

23 BT Curb BT S. Lane
 34 8 8 34 934

+85 W.E. 18 SCP Apron
 69

+84 to +87 CB
 5' x 8'

+50 BT Curb
 34 8

+50 BT S. Lane
 33 80 + 102

72 BT Curb Median BT S. Lane
 34 8 8 33 68-90

+80 Sign
 56-46

+59 ER
 61

+58 ER
 33

+50 BT Curb
 34 8.3

+50 BT S. Lane
 37 + 56 + 77

+36 17.50
 43

+32 ER
 33

+43 8' Radius
Curb

+126 Por
 39

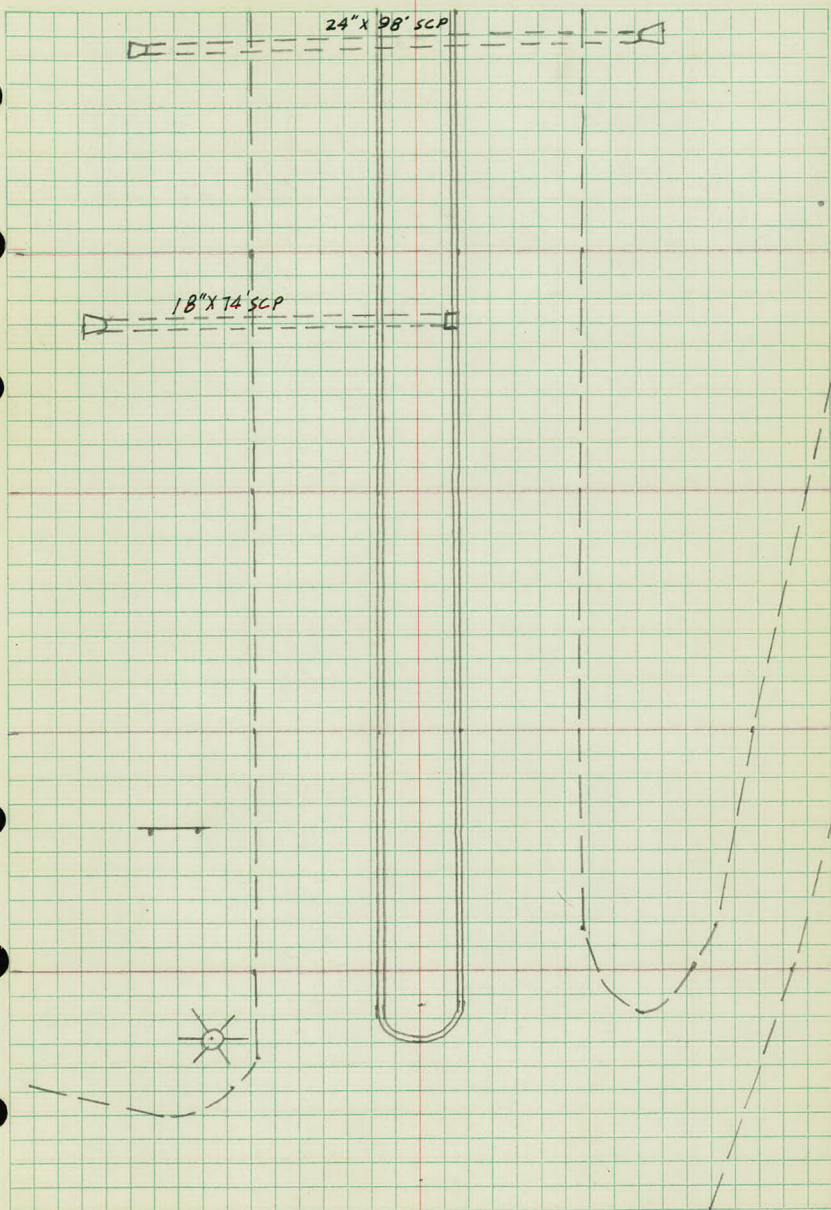
+41 Por
 46

+20 BR
 53

21 +107 R. to N. Side
S. Lane

Sept. 17, 1963

23



76

BT Carb
33 8-8+84 Cor. Rip Rap
51+58 Cor BT
33+71 B. Pier
44+57 E. Curb
40

+59 R. Tie Abut

+51 B. Pier
44+32 Cor Rip Rap
48+47.5 B. Pier
4+23 B. Pier
43+33 B. Pier
44+19 W. Wall
84+26 B. Pier
4+25 Basin Abut
Cor. 78+16 Cor. Rip Rap
77+12 B. Pier
44+13 Cor Abt
77-81+88.5 B. Pier
4+88 Cor. Rip Rap
49

75

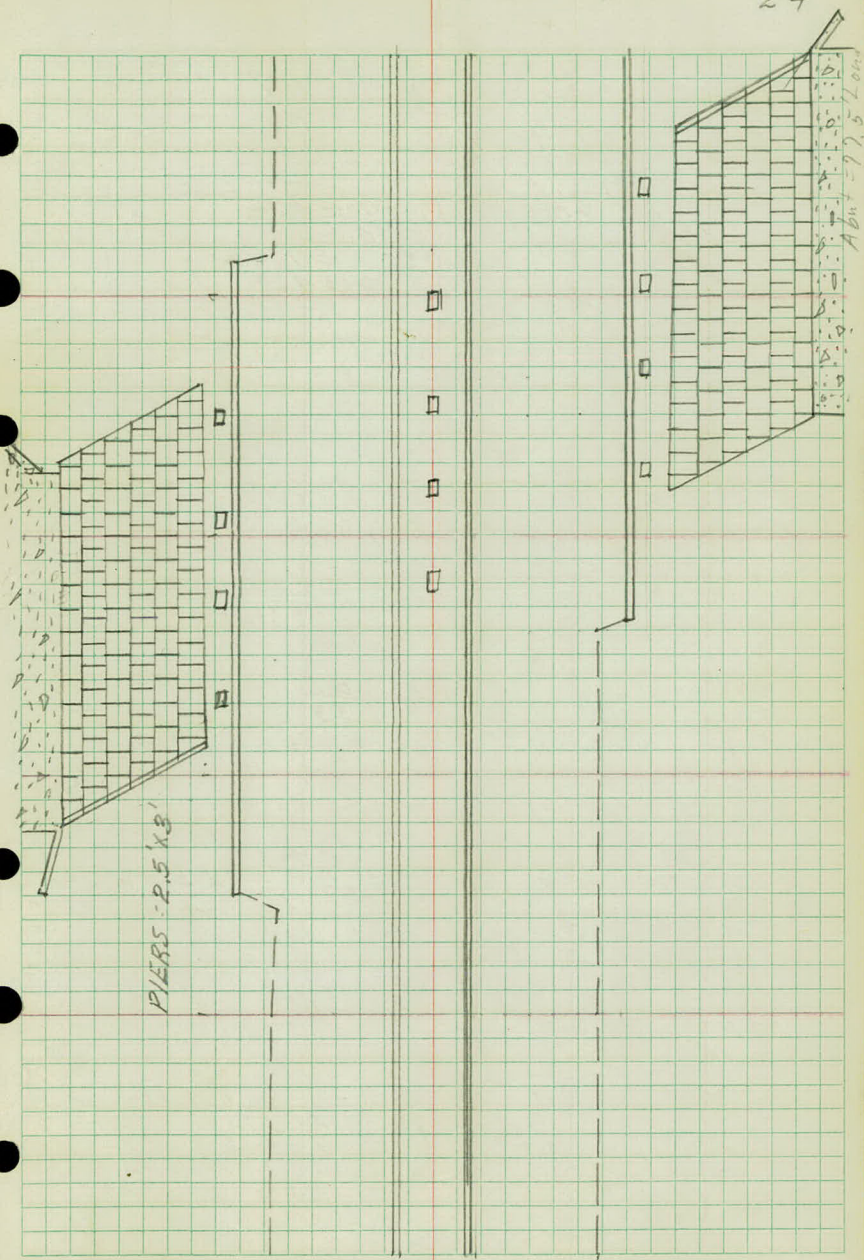
+102 B. Pier
43+87.6 B. Pier
4 to +90.05+85 B. Pier
43+80 Cor BT
34+82 B. Carb
40+64 B. Pier
43+39 Cor. Rip Rap
77+56 Cor. Rip Rap
47+38 Cor Abt
77+25 B. Curb
40+25 Wing Wall
80+22 Cor BT
32.6

74

BT Carb BT
33 8-8 334

Sept. 17, 1963

24



+150 $\frac{BT}{64}$

+197 $\frac{Life\ Standard}{45}$

+38 $\frac{BT}{72}$

+25.4 $\frac{Curb}{\cancel{2}}$

+144 $\frac{BR}{35}$

+109 $\frac{POR}{46}$

+122 $\frac{Curb}{2.2}$

+21. $\frac{Ch. 6\ Radius\ Curb}{2}$ +14 $\frac{Curb}{6.6}$

+19 $\frac{Curb}{4.6}$

28 $\frac{SL}{100-65-34}$ $\frac{BT}{34}$ $\frac{Curb}{8\ 8}$ $\frac{BT}{34}$

+98 $\frac{BR}{33}$

+81 $\frac{Sign}{46-55}$

$\frac{Curb}{8-8}$ $\frac{BT}{33}$

27

$\frac{BT}{33}$

+92 $\frac{WE\ 24^{\circ}SCP\ Apron}{49}$

+88 $\frac{E.E.\ 24^{\circ}SCP\ Apron}{49}$

+12 $\frac{E.W. Wall}{82}$

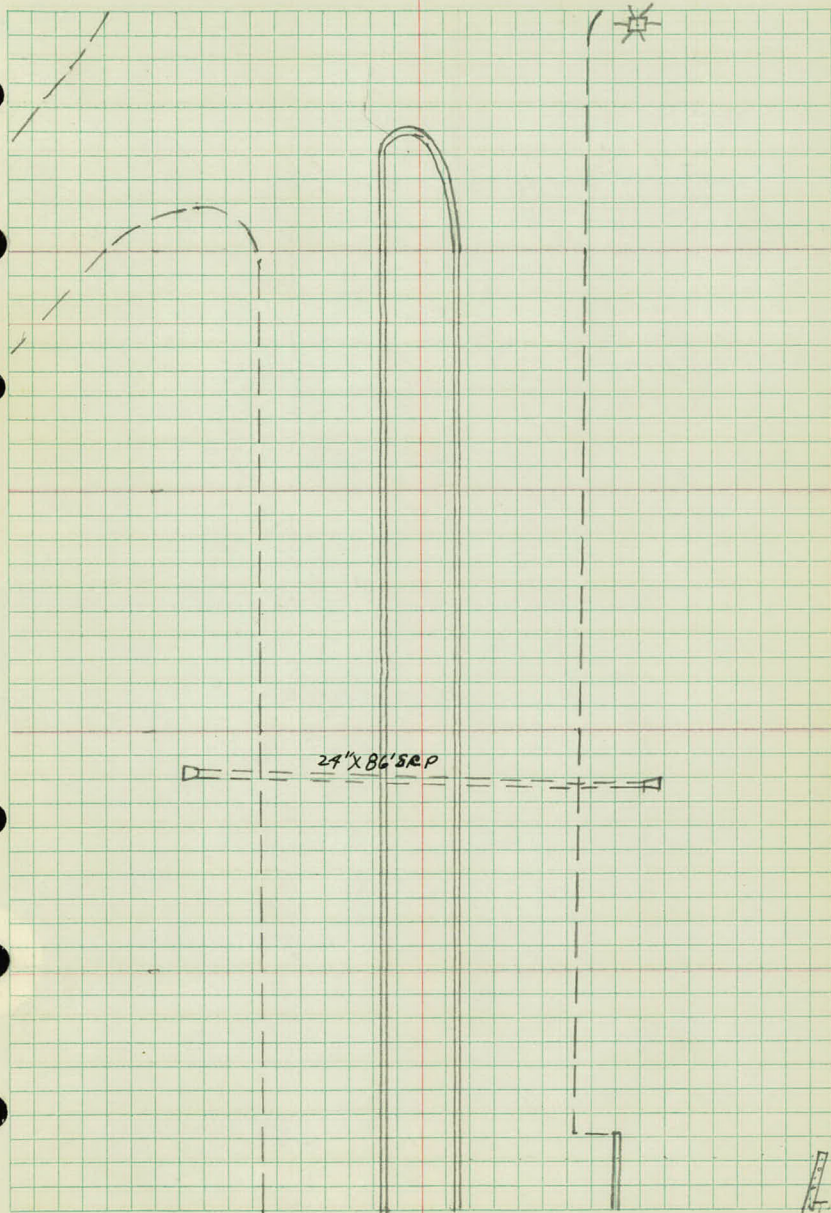
+16 $\frac{Can\ BT}{33}$

+16 $\frac{E\ Curb}{40.4}$

26

Sept. 17, 1963

25

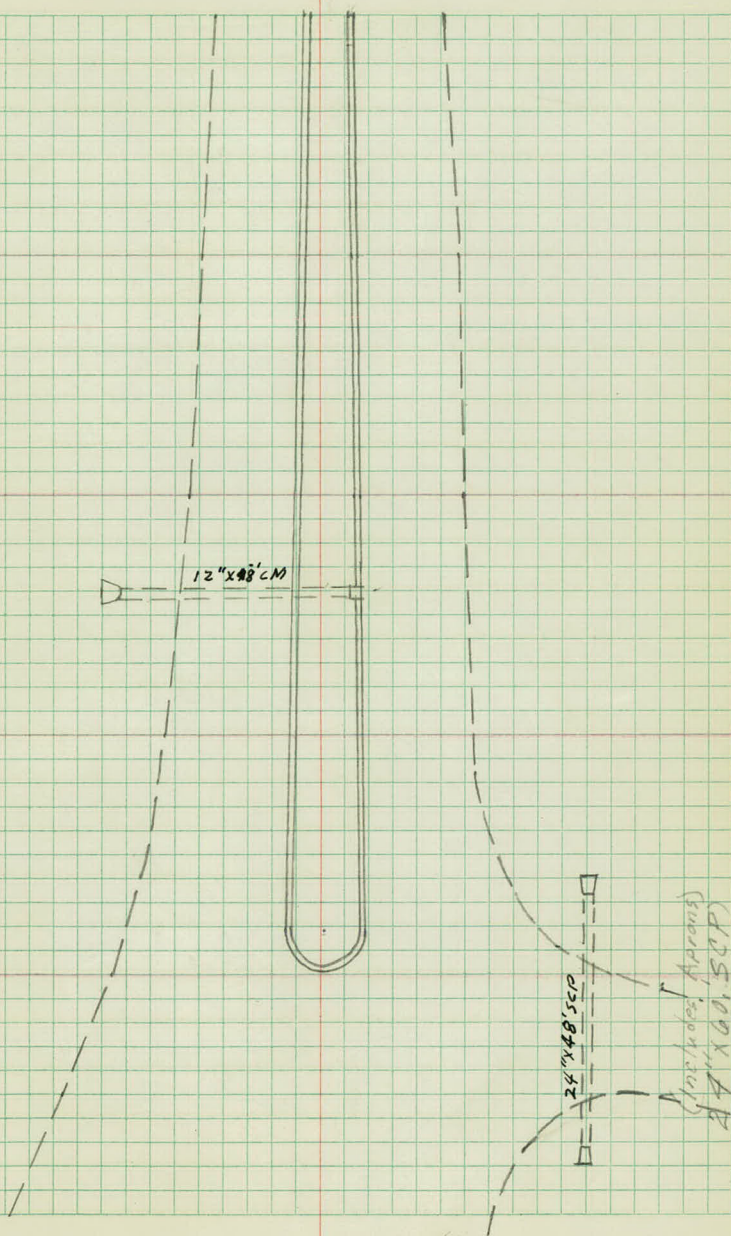


81

 $\frac{BT}{22}$ $\frac{Curb}{3 - 7.2}$ $\frac{BT}{26}$ +50 $\frac{Curb}{4 - 7.6}$ $\frac{BT}{28}$ +50 $\frac{BT}{24}$ 80 $\frac{BT}{27}$ $\frac{Curb}{5 - 8}$ $\frac{BT}{30}$ +80 $\frac{W.E. 12" SCP Apron}{4.5}$ +50 $\frac{BT}{32}$ $\frac{Curb}{6}$ +78 $\frac{B.C.B. N. 3, 1.5}{5.5}$ $\frac{E. 2.7 W}{}$ +21 $\frac{N.E. 24" SCP Apron}{56}$ +25 $\frac{BT}{36}$ $\frac{Curb}{7}$ +42 $\frac{ER}{32}$ +06 $\frac{POR}{49}$ 79 $\frac{BT}{43}$ +09 $\frac{Ct 8' Radius Curb}{1'}$ +97 $\frac{BR}{71}$ +75 $\frac{BT}{53}$ +92 $\frac{Rtie}{S.S.S. Lane}$ +61 $\frac{S.E. 24" SCP Apron}{55}$ +74 $\frac{ER}{71}$ +63 $\frac{POR}{42}$

Sept. 17, 1963

26



+45 ^{MH} 64 +48 R. Tie N. Side
 Gervias Ave E
 +50 ^{BT} 22 +25 ^{BT} 89 +39 ^{BT} 61
 +32 ^{R. Tie} Gervias +42 ^{FOR} 27 +25 ^{BT} 34
 +24 ^{BR} 52 +101 End Median
 2.6
 83 ⁴ Gervias ^{BT} 82 ^{BT} 42 -21 ^{BT} 18 +101
 +90 ^{BR} 16 +93 ^{W. E 15" SCP Apron} 34
 +93 ^{Ch. C.B. N3'S} 3.5 E2.5W

+50 ^{BT} 17 +50 Median ^{BT} 20.3
 2 -5.5

82 ^{BT} 18 Median ^{BT} 22.4
 1 -6.1

+50 ^{BT} 20 +50 Curb ^{BT} 24
 2 6.6

81 +100 Begin Conc
 Median

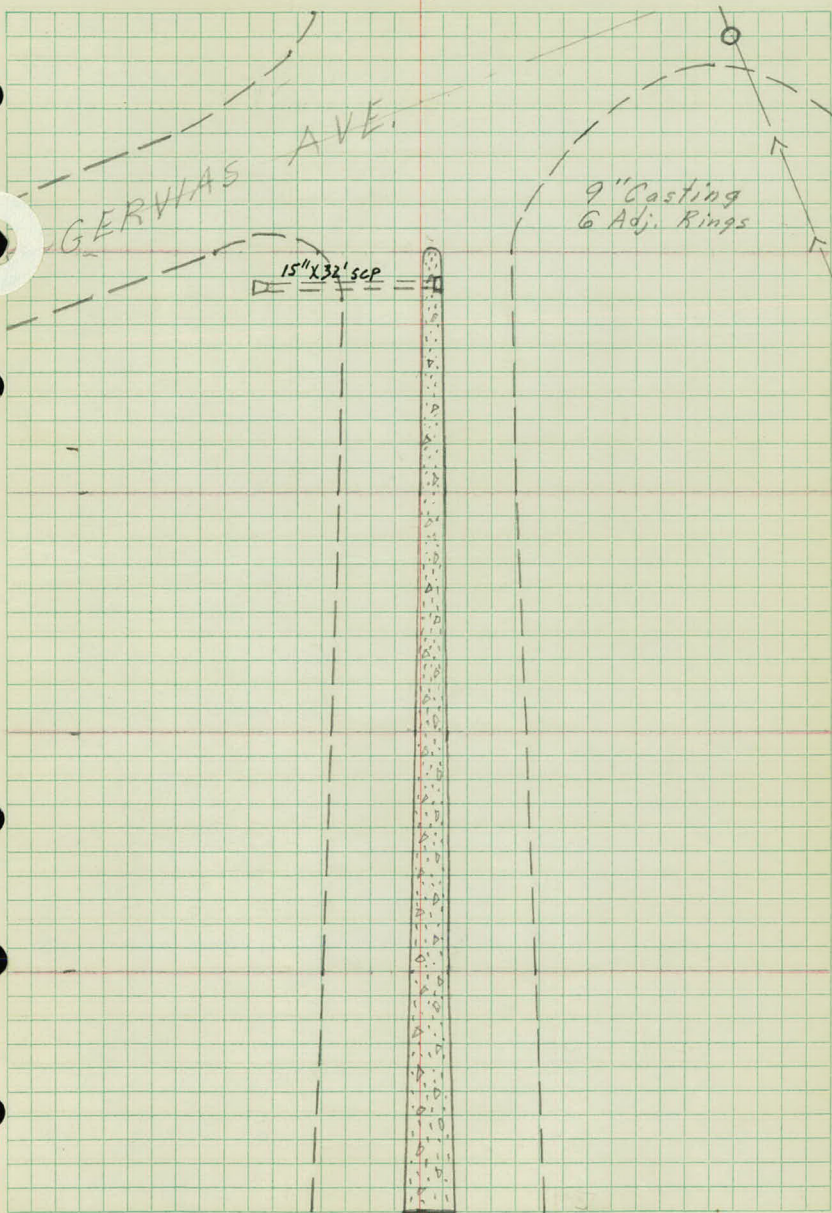
Sept. 17, 1963

27

GERVAS AVE.

15" X 32' SCP

9" Casting
6 Adj. Rings



36

BT
14 14

+97 $\frac{6''P}{99}$
 +84 $\frac{6''E}{92}$ +85 $\frac{6''E}{67}$ +97 $\frac{10''E}{84}$
 +72 $\frac{3''P}{77}$ +71 $\frac{Sw Cor Ho}{113}$
 +54 $\frac{R Tie}{House}$ +67 $\frac{6''E}{71}$ +69 $\frac{10''E}{90}$
 +50 $\frac{BT}{14}$ +48 $\frac{Ent 15' \times 26.5' CM}{34 W. Aprons}$
 +40 $\frac{6''CE}{49}$ +43 $\frac{R Tie}{Ent}$ +46 $\frac{12''CE}{76}$
 +40 $\frac{EL Lion Ho. NWC. Ho}{49}$ +36 $\frac{10.3}{10.3}$ +38 $\frac{End Fe}{49}$
 +22 $\frac{8''CE}{56}$ +26 $\frac{12''E}{81}$ +15 $\frac{R Tie}{NSide Ho}$
 +12 $\frac{6''E}{86}$

35

BT
12-14

+91 $\frac{6''BE}{58}$ +94 $\frac{\$2' Walk}{60}$
 +86 $\frac{4''BE}{63}$ +87 $\frac{4''BE}{73}$ +82 $\frac{\$ Ent 15' \times 24' CM}{34 With Aprons}$ +75 $\frac{R Tie}{Ent Rt}$
 +78 $\frac{Tip 4''CE}{74}$
 +74 $\frac{6''CE}{64}$ +76 $\frac{PP}{57}$ +79 $\frac{Fe Cor}{55}$
 +50 $\frac{BT}{12}$ +63 $\frac{R Tie}{FC}$

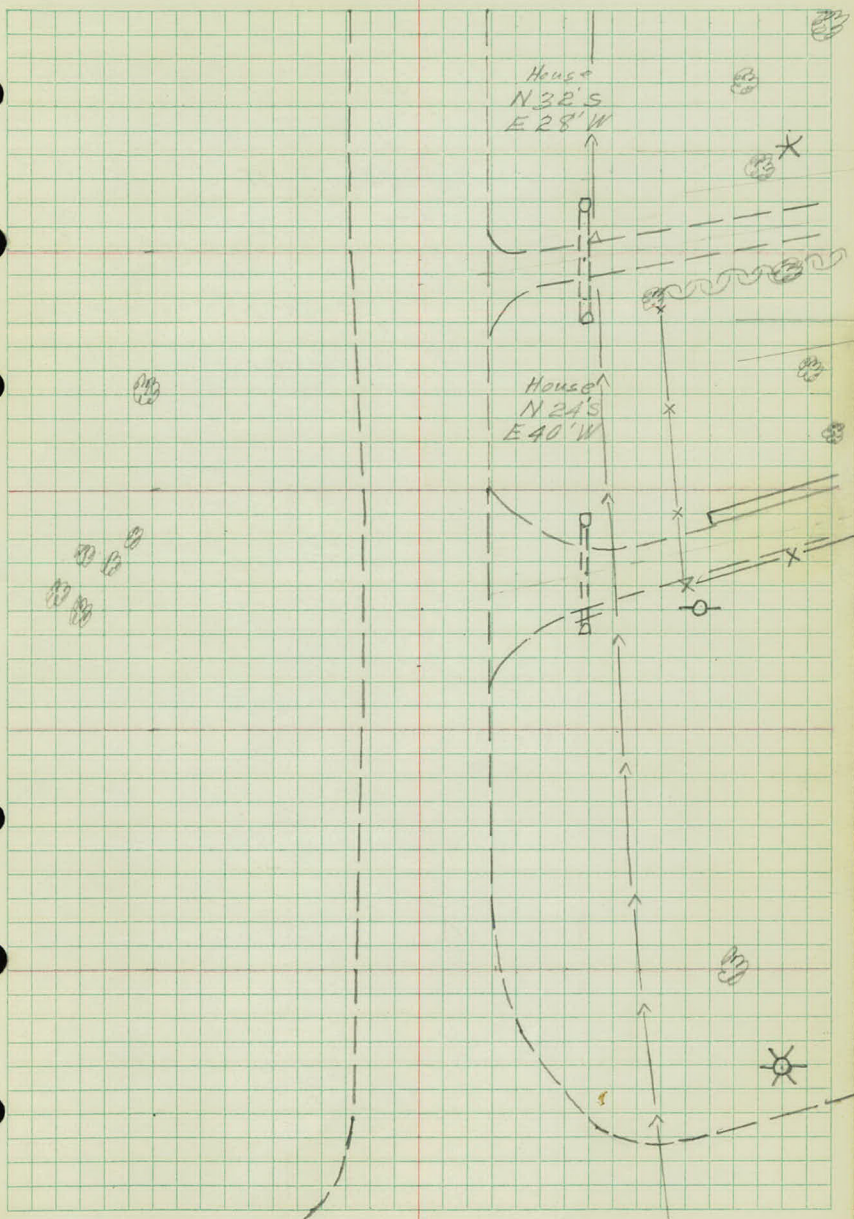
34

BT
13 16.6

+15 $\frac{ER}{15}$
 +100 $\frac{20''O}{65}$

+79 $\frac{Archt}{75}$ +89 $\frac{POR}{21}$ +67 $\frac{POR}{37}$
 +69 $\frac{ER}{13}$ +64 $\frac{BR}{55}$

28



BT
14-10

+27 SW Cor Ho
89

+25 3" P +25 5" Ash +27 10" A
37 53 74

+09 Ent 15" x 24" CM
30 W. Aprons

+04 12" E +21 RTie +09 E. 10" Conc
76 40 53 Ent

BT PP 4" Ash
14-11.5 100 31 102 53

88

+97 NW Cor Ho
88

+85 RTie
Ho

+86 4" Ash
54

+62 4" Ash
56

+50 BT
13.5-13

+44 RTie
Ent +15" x 24" CM
+48 30.5 W. Apron

+34 PP
3.4

+36 E. Hedge
55

+31 12" E
64

+33 NW Cor Ho
9.5

+25 RTie
Ho

+07 8" E
67

+28 RTie
Hedge

BT
13-13.5

+90 ± 2" Walk
45

+84 SW
Cor Gal.
106

87

+92 RTie
Walk

+98 ± End Walk
44

+81 RTie
Ent

+84 Ent 15" x 24" CM
32 W. Apron

+78 8" E
54

+80 8" E
71

+82 8" E
87

+50 BT
13-14

+71 8" Birch
86

+59 MH
33

+59 3" P
68

+61 2" P
60

+33 4" P
70

+13 Ent 15" x 24" CM
34 W. Apron

+30 4" P
76

+31 SW Cor Ho
108

+22 NW Cor Conc.
Ent 59

+29 4" P
64

BT
14-14

+05 PP
40

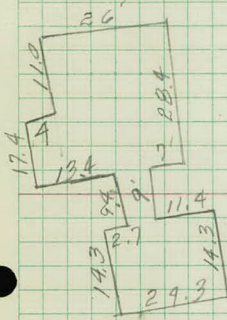
+08 RTie
± Ent

86

FK
JS
FS
RB

Sept. 27, 1963
Sept. 30, 1963

29



House on
Rt. 65 per F.K.
10/23/63. K.J.

9" Casting
1 Adj. Ring

House
N 32.5
E 26.5W

House
E 25.2W
N 42.1S

House
N 44.5
E 27.7W



N 44.5
E 27.7W

21

BT Conc BT
11 10-10 10

+89 15'x21' CM
Ent 22

+72 5"0
38

+74 12"0
32

+60 Stump
46

+61 PP
28

+51 End Woods
65 - 50

+10 Woods
64-40

90

Woods BT Conc BT
75 - 42 13 10-10 10

+81 6"LP +85 NH +81 Pine Bush
65 19 44

+59 210 Conc Ent 15'x20' CM
23 23

+67 6"LP +46 12" Birch
69 34 29

+37 18" CE +69 B. Hedge
58 32

+95 Cor. Hedge +30 SW Cor Ho
33 74

+24 10" P +27 PP
35 28

+11 2 Ent 15'x18' CM
21 No Aprons

+7 18" CE +11 16" E
65 91

+104 Tip 4" P
41

89

Woods BT Conc Hedge BT
69 - 48 14 10 10 32 10

+103 Ent 2 Appd
32

+80 14" Ash +97 18" Coff.
86 68

+76 20" Catalpa +87 10" P
42 63

+77 Begin 20" Conc
10 10

+61 Blue Hedge +64 Cor. Hedge
32

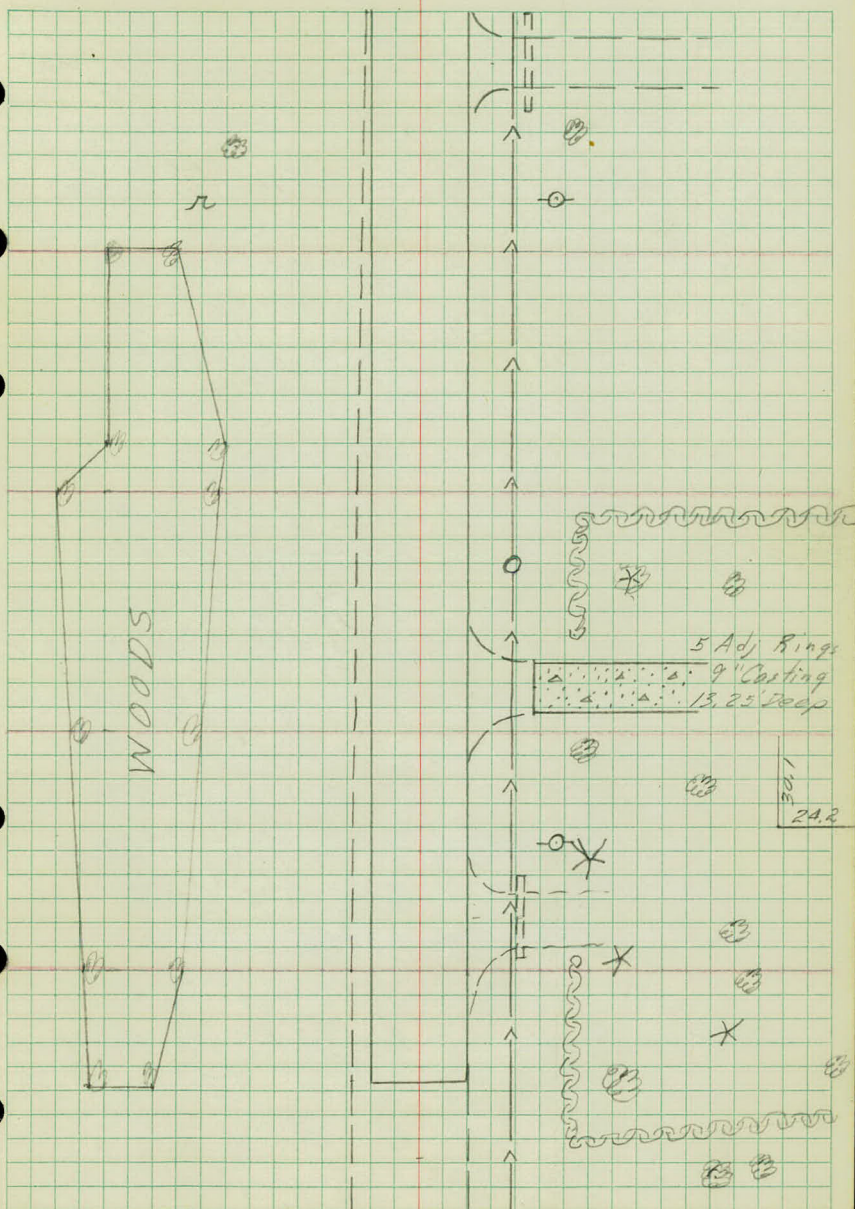
+76 Begin Woods
68 - 55

+58 6" Apple
71

+57 10" Birch
61

Sept. 30, 1963

30



+45 $\frac{6"CE}{51}$ +45 $\frac{6"CE}{71}$

+38 $\frac{4"Cherry}{31}$

+42 $\frac{S.E. 15"CM \times 36'}{25}$

+13 $\frac{MH}{19}$

BT Conc BT
11 10-10 10

93

+78 $\frac{Ent 12" \times 26' CM}{24}$

+60 $\frac{End Hedge}{48}$

+83 $\frac{EEnt 22" \times 21' CM}{22}$

+53 $\frac{6"WP}{67}$

+56 $\frac{18"O}{30}$

+68 $\frac{12" Ash}{62}$

+48 $\frac{4"PM}{93}$

+49 $\frac{18"Elm}{46}$

+21 $\frac{8" Walnut}{78}$

+41 $\frac{12" P}{46}$

+45 $\frac{8" Elm}{29}$

+23 $\frac{8" P}{55}$

+24 $\frac{STP}{44}$

+36 $\frac{SW Cor Ho}{71}$

+15 $\frac{3" Turn P.}{49}$

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

+19 $\frac{6" Walnut}{23}$

+00 $\frac{R. Tie House}{103 N Side}$

+19 $\frac{16" E}{28}$

+03 $\frac{12" P}{56}$

92 $\frac{BT Conc 4 BT}{11 10 10}$

+01 $\frac{18" E}{45}$

+81 $\frac{12" Spruce}{58}$ +87 $\frac{Juniper}{50}$ +83 $\frac{14" E}{78}$

+93 $\frac{15" E}{50}$ +27 $\frac{10" Cedar}{51}$

+69 $\frac{12" Spruce}{57}$ +69 $\frac{12" Spruce}{47}$

+91 $\frac{6" O}{29}$

+62 $\frac{SE Cor. Ho.}{108}$

+81 $\frac{E Ent}{}$

+48 $\frac{Lilac}{35}$

+64 $\frac{S.E. 15" \times 27' CM}{21}$

+34 $\frac{PP}{70}$

+51 $\frac{6" P}{45}$

+51 $\frac{2" P}{59}$

+51 $\frac{5" P}{74}$

+34 $\frac{4" P}{45}$

+09 $\frac{6" Hawtho}{72}$

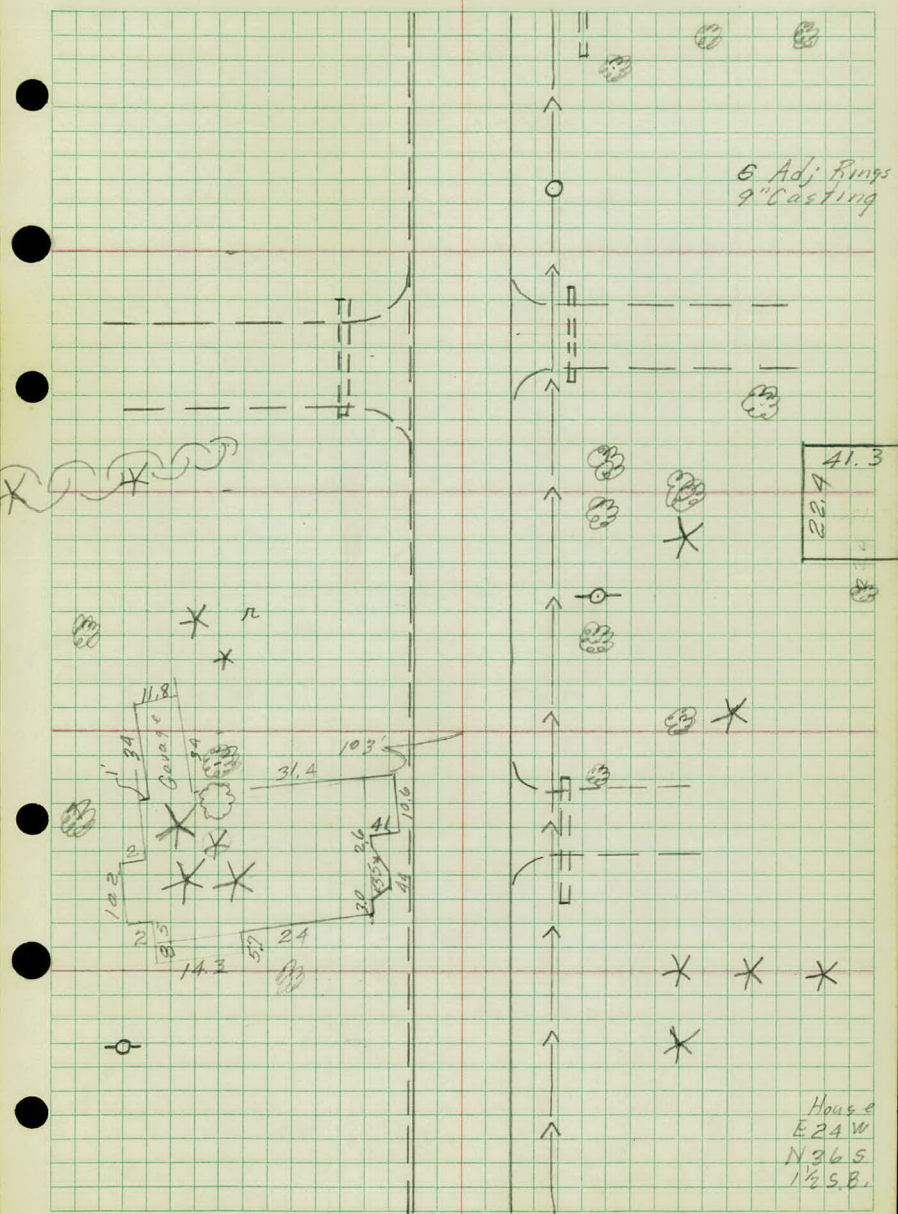
+14 $\frac{18" O}{32}$

91

+04 $\frac{SW Cor Ho}{122}$

Sept. 30, 1963

31



House
E 24 W
N 36 S
1 1/2 S.B.

96

<u>Fe</u>	<u>BT</u>	<u>Conc</u>	<u>BT</u>
35	11	10 10	10

$$+60 \frac{5''0}{29}$$

$$+50 \frac{PP}{28}$$

95

<u>Fe</u>	<u>BT</u>	<u>Conc</u>	<u>BT</u>
29	11	10 10	10

$$+01 \frac{6'' \text{ Tur. } C_2 H}{95}$$

94

<u>Fe</u>	<u>BT</u>	<u>Conc</u>	<u>BT</u>
29	11	10-10	10

$$+89 \frac{PP}{29}$$

$$+86 \frac{SWC_{or} H_0}{118}$$

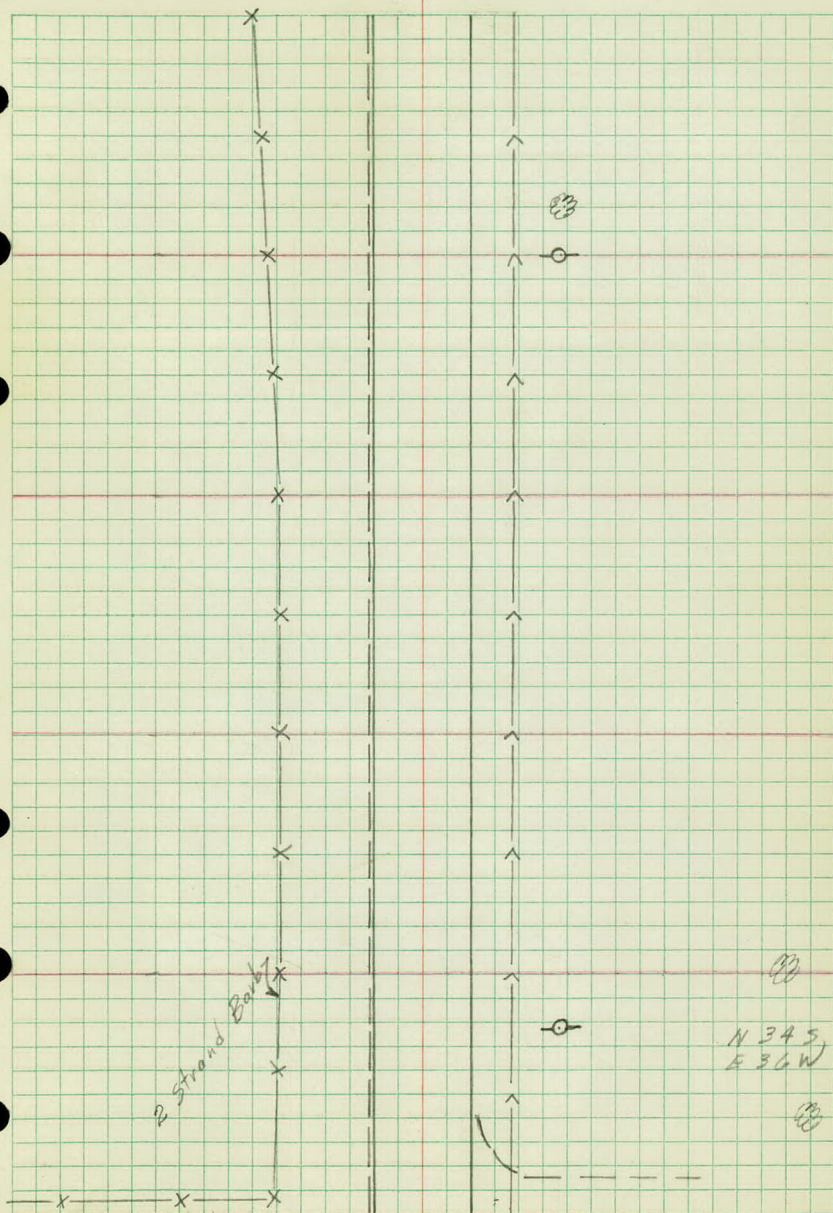
$$+70 \frac{16'' C_2 H}{80}$$

$$+53 \frac{Fe_{Cor}}{31}$$

$$+53 \frac{\pm BT}{\pm nt}$$

Sept. 30, 1963

32



98

+07 $\frac{PP}{28}$

97

$\frac{BT}{11}$ $\frac{Canc}{10}$ $\frac{EI}{10}$ $\frac{EI}{10}$

+82 $\frac{E.Fe}{37}$

+51 $\frac{18''0}{30}$

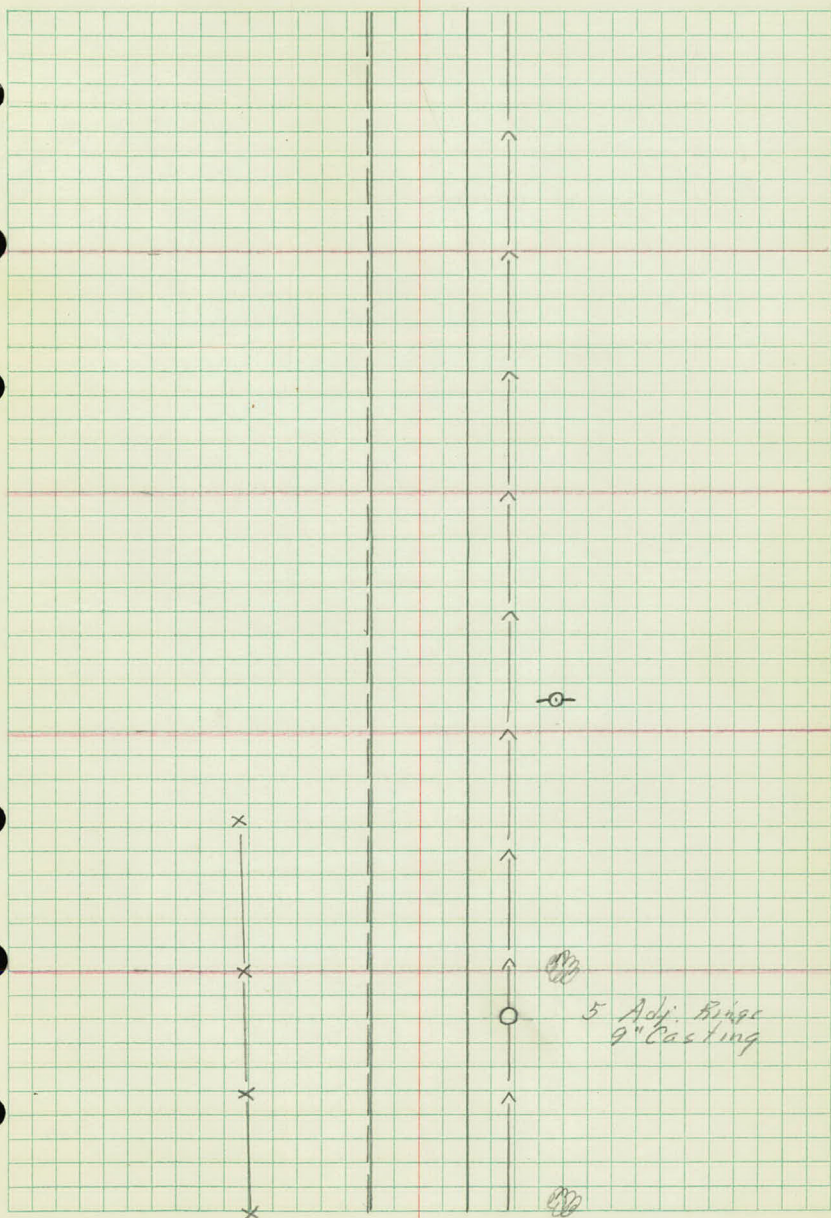
+40 $\frac{MH}{19}$

96

+02 $\frac{22''0}{30}$

Sept. 30, 1963

33



101

<u>BT</u>	<u>Conc</u>	<u>BT</u>
11	10-10	10

 $+86 \frac{MH}{19}$
 $+19 \frac{GP}{33}$
 $+17 \frac{PP}{29}$

100

<u>BT</u>	<u>Conc</u>	<u>BT</u>
11	10-10	10

 $+76 \frac{MH}{19}$

99

<u>BT</u>	<u>Conc.</u>	<u>BT</u>
11	10-10	10

 $+57 \frac{PP}{29}$

Sept. 30, 1963

34

9 Adj. Rings
9" Casting



4 Adj. Rings
9" Casting

108 $\frac{6^0}{38}$

106 $\frac{5^0 PP}{71}$

106 $\frac{7^0}{38}$

102 $\frac{6^0 TW 0}{66}$

101 $\frac{TW 10^0}{82}$

125 $\frac{PP}{28}$

101 $\frac{6^0 PP}{61}$

103

191 $\frac{4^0 P}{71}$

BT	Conc	BT
11	10 10	10

160 Cattle X-ing $\frac{27}{27}$ 4' wide x 6' High ^{Box}

130 $\frac{36^0 Willow}{82}$

102

BT	Conc	BT
11	10-10	10

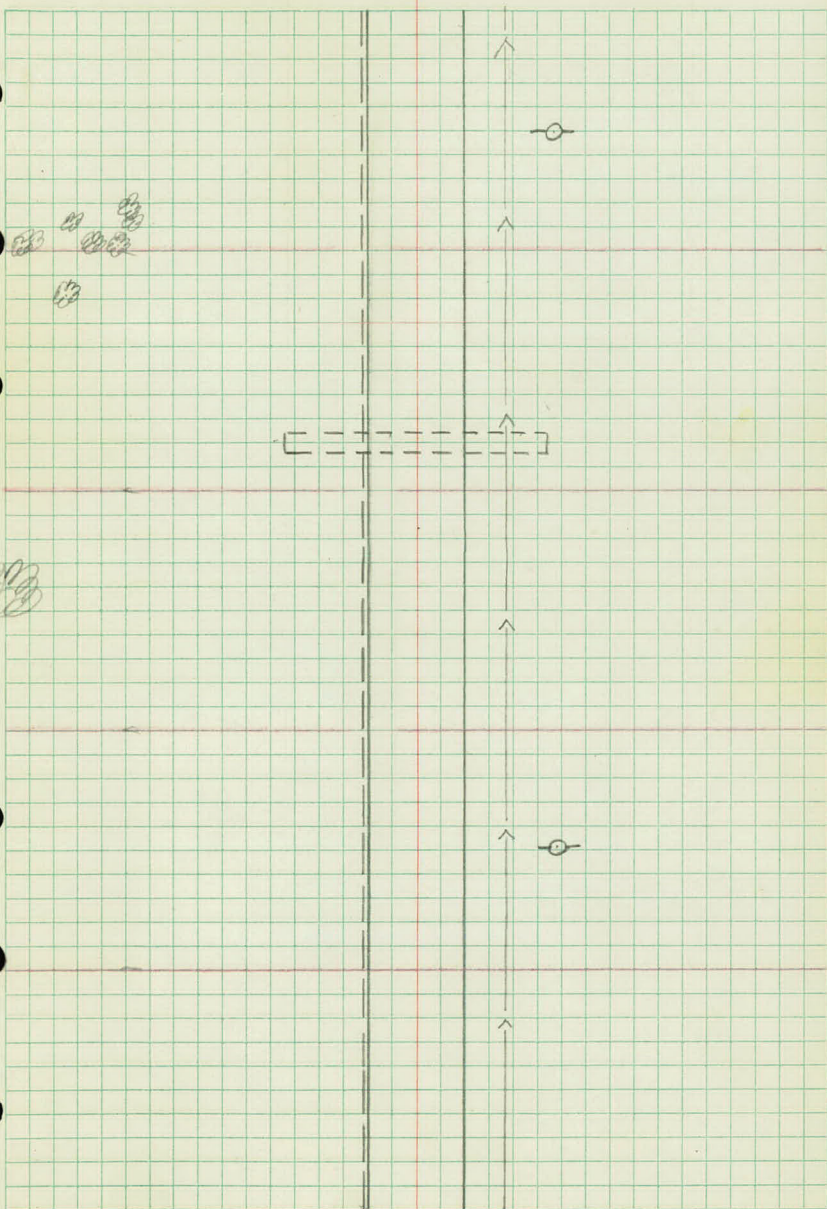
176 $\frac{PP}{29}$

101

BT	Conc	BT
11	10 10	10

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35



106

BT	Conc	BT
11	10 10	10

 PP
 +70 28

 #72 $\frac{Ent}{42}$

 +77 $\frac{Rtie}{Ent}$
 +50 $\frac{Rtie}{Ho}$

 +28 $\frac{SE Cor Ho}{85}$

105

BT	Conc	BT
11	10 10	10

 +85 $\frac{Arc Lt.}{28}$

 +79 $\frac{MH}{19}$

104

BT	Conc	BT
11	10 10	10

 +71 $\frac{SE Cor Ho}{39}$

 +86 $\frac{MH}{19}$

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36

E 40.5 W
N 24.4 S

9 Adj. Rings
9" Casting

6 Adj. Rings
9" Casting

109
+25 $\frac{\text{Cor Conc.}}{33}$

+14 $\frac{\text{Cor Bldg}}{73.5}$ +08 $\frac{\text{R. Pork}}{\text{Rt}}$
+00 $\frac{\text{R. tie}}{\text{Bldg}}$

108

$\frac{\text{BT Conc}}{26}$ 10-10 $\frac{\text{BT}}{15}$

+86 $\frac{\text{Sign}}{37}$

+80 $\frac{\text{BT}}{12}$ +80 $\frac{\text{BT}}{10-14}$

+91 $\frac{\text{PP}}{28}$

+86 $\frac{\text{Tell Booth}}{34}$

+86 $\frac{\text{PP}}{28}$

+48 $\frac{\text{SE Cor Bldg}}{95}$

+27 $\frac{\text{MH}}{18}$

+32 $\frac{\text{Begin Parking}}{\text{L}}$

+17 $\frac{\text{Ent}}{\text{Ent}}$

+34 $\frac{\text{S.W. Cor Ho}}{74}$

107

$\frac{\text{BT}}{11}$ $\frac{\text{Conc}}{10}$ $\frac{\text{BT}}{10}$

+87 $\frac{\text{MH}}{19}$

+92 $\frac{\text{SE Cor Ho}}{78}$

+60 $\frac{\text{S.W. Cor Ho}}{71}$

+27 $\frac{2^{\text{nd}} \text{P}}{55}$ +A3 $\frac{2^{\text{nd}} \text{P}}{54}$

+02 $\frac{\text{Ent}}{\text{L}}$

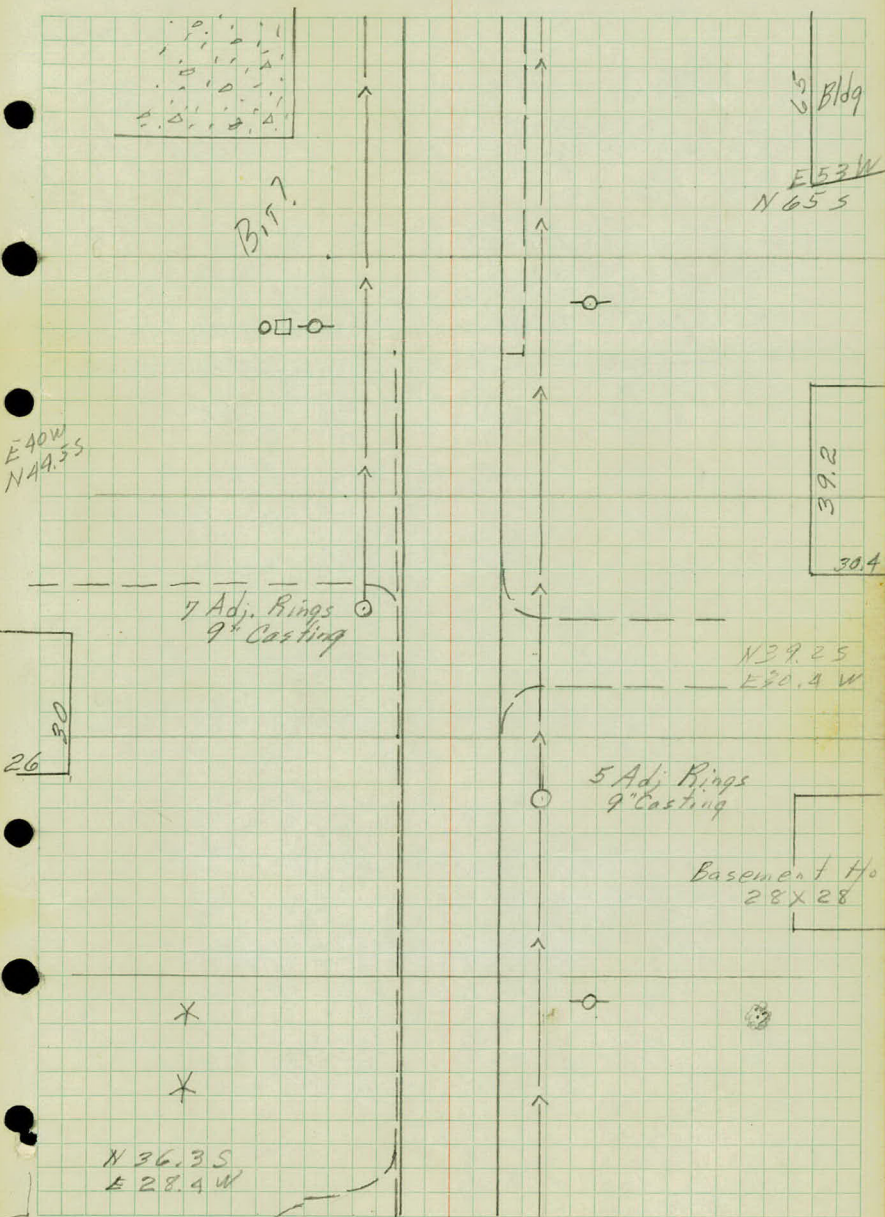
+45 $\frac{\text{PP}}{29}$
+42 $\frac{\text{GCE}}{63}$

+00 $\frac{\text{SE Cor Ho}}{78}$

106

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37



111

BT Conc BT
+60 16 10-10 17

ER
+30 19

PP
+26 26

PP
+16 25

BR
+16 40

ER
+16 15

PP

Pot
+10 22

MH
+08 28

110

PP
+98 60

BR
+92 53

MH
+84 19

MH
+78 19

Cor. BT
+84 42

Cor. B.T.
+54 34 79

Gate V. Gas
+59 24

Rt. e
+42 Walk

Cor. BT
+48 14

Sign
+40 34

Cor. Walk
+35 70

NE Cor. Conc.
+04.4 33.7

109

BT Conc BT
33 10 10 15

PP
+74 28

N. E Pump Is.
+54 48

SE. Cor S. Sta.
+55.5 64

FK
JS
FS

Oct. 4, 1963

38

