CR. 9 BK. 72

OFFICE OF COUNTY ENGINEER
RAMSEY COUNTY, MINN.

PLAN Survey

RED FOX RD.

From HAMLINE To LEXINGTON

Road Acc't. No. 131

Date Filed 12-1-69 File

13 FEB 1969

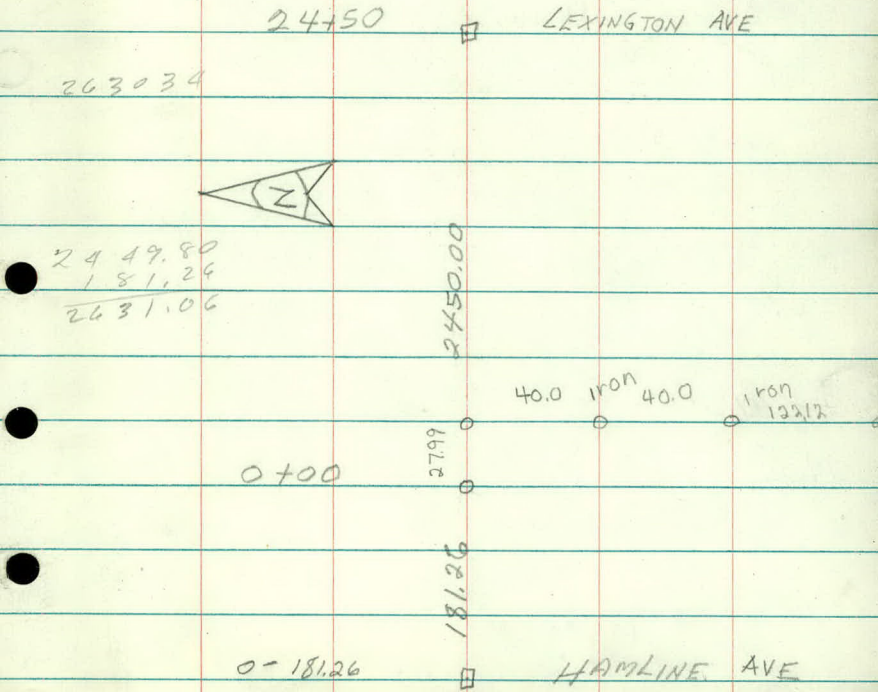
1

0+00 = 181.26 E. OF CTR OF SECTION

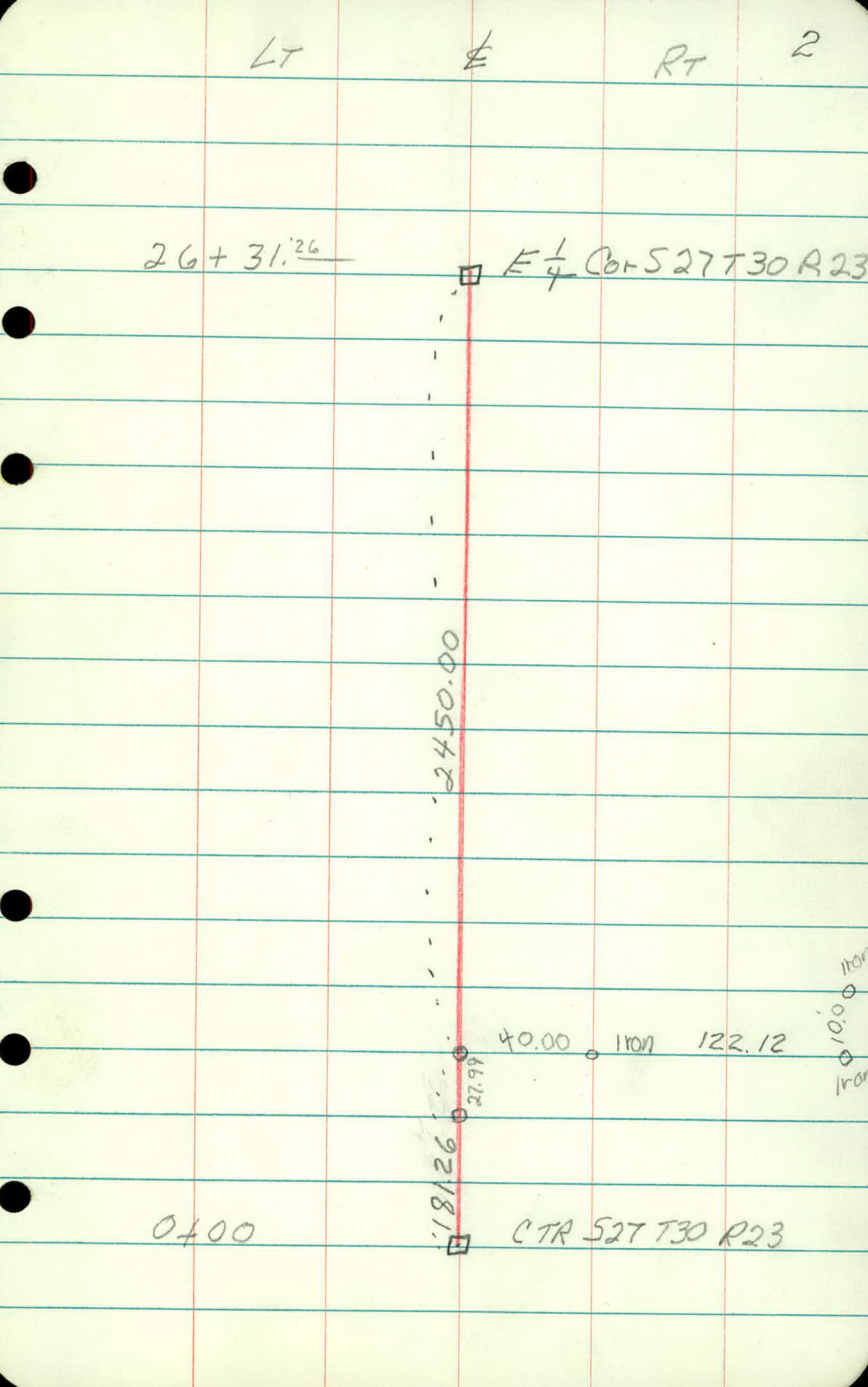
RED FOX RD.

HAMLINE TO LEXINGTON

PLAN SURVEY



STA	POINT	Δ LT	Δ RT	CURVE DATA
24+50				
+27.99				
0+00				
0-181.26				

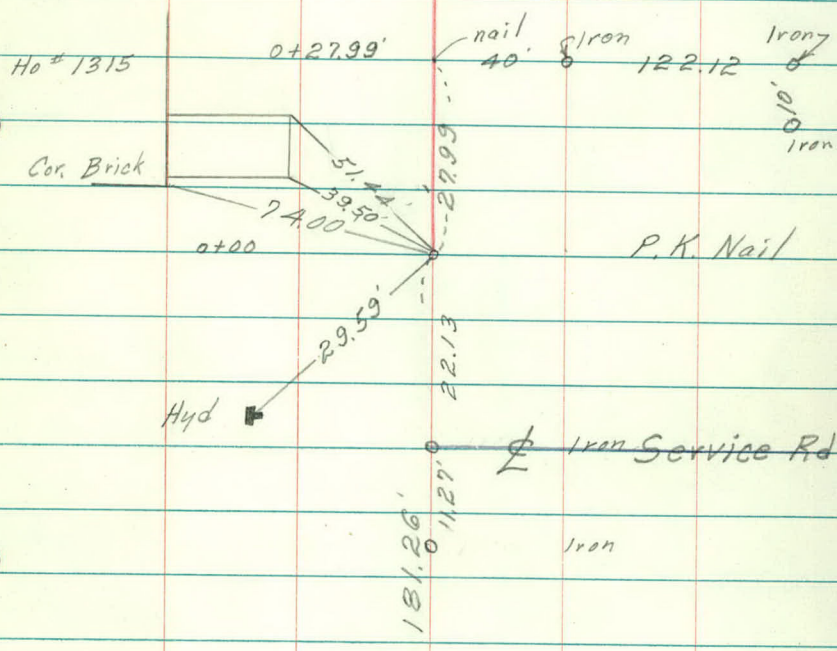

LT
℄
RT
26+31.26
E 1/4 Cor S27 T30 R23
2450.00
40.00
Iron
122.12
27.99
18/26
0400
CTR S27 T30 R23

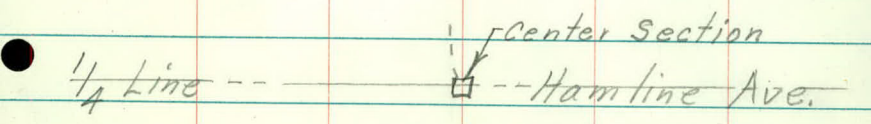
FK
PK
CM
AS

June 27, 1969

Alinement

Sta	Point	△ Lt.	△ Rt.
0+00			


Ho # 1315
0+27.99'
nail
40'
℄ Iron
122.12
Iron
10'
Iron
Cor. Brick
51.44'
39.50'
74.00
0+00
27.99'
P.K. Nail
29.59'
22.13'
Hyd
℄ Iron Service Rd
11.27'
181.26'
Iron


Center Section
1/4 Line
Hamline Ave.

Sta	Point	△Lt	△Rt.		
	P.O.T.				
	POT				

& Dunlap

Sta	Point	△ Lt.	△ Rt.
24+49.80	P.O.T.		

℄ Lexington

PROFILE

HAMLINE TO LEXINGTON

STA	+	π	−	ELEV.	
BM	4.25	941.21			936.96
0-71					
0-61					
0-41		℄ DITCH			
0-23					
0+00					
+50					
1+00					
+50					
2+00					
			12.08	929.13	929.12

LT ℄ RT

TOP HYD LT 0-12

33.5
7.66

33.1
8.1

29.8
11.4

31.9
9.3

33.3
8.9

31.2
10.0

29.5
11.7

29.3
11.9

28.6
12.6

TOP HYD LT 2 + 23

STA	+	π	−	ELEV	
		941.21			
2+50					
3					
+50					
4					
+50					
5					
+50					
6	10.86	944.61	7.46	933.75	
BM			9.90	934.71	934.72

LT	℄	RT
	29.5	
11.7		
	30.3	
10.9		
	32.1	
9.1		
	32.6	
8.6		
	32.9	
8.3		
	32.6	
8.6		
	32.5	
8.7		
	33.7	
7.5		

℄ STA 6

TOP HYD LT 5x85

STA	+	T	-	ELEV	
		944.61			
6+50					
7					
+50					
8					
+50					
9					
BM			4.87	939.74	939.73
+50					

LT	℄	RT
	35.3	
9.3		
	37.3	
7.3		
	39.1	
5.5		
	39.5	
5.1		
	40.0	
4.6		
	39.4	
5.2		

TOP HYD LT STA 9

	39.5	
5.1		

STA	+	⊼	−	ELEV
		944.61		
10				
+50				
11				
+50				
12				
+50				
13				
+50				
14				
BM	2.14	941.02	5.73	938.88

LT	℄	RT
5.3	39.3	
5.0	39.6	
4.7	39.9	
5.4	39.2	
6.0	38.6	
7.0	37.6	
7.4	37.2	
7.6	37.0	
7.9	36.7	

TOP HYD SW Cor DUNLAP

STA	+	π	−	ELEV.
		941.02		
14+50				
15				
+50				
16				
+50				
17				
+50				
18				
+50				

LT	℄	RT	12
	4.0 37.0		
	4.7 36.3		
	4.9 36.1		
	5.0 36.0		
	4.9 36.1		
	5.0 36.0		
	5.3 35.7		
	5.9 35.1		
	6.2 34.8		

STA	+	π	−	ELEV
		941.02		
19				
+50				
20				
+50				
21				
+50				
22				
+50				
23				
TP	10.85	946.96	11.91	936.11

19 FEB 1969

LT | ℄ | RT | 13

6.1 34.9

6.5 34.5

6.7 34.3

6.9 34.1

7.0 34.0

7.1 33.9

6.9 34.1

6.4 34.6

4.9 36.1

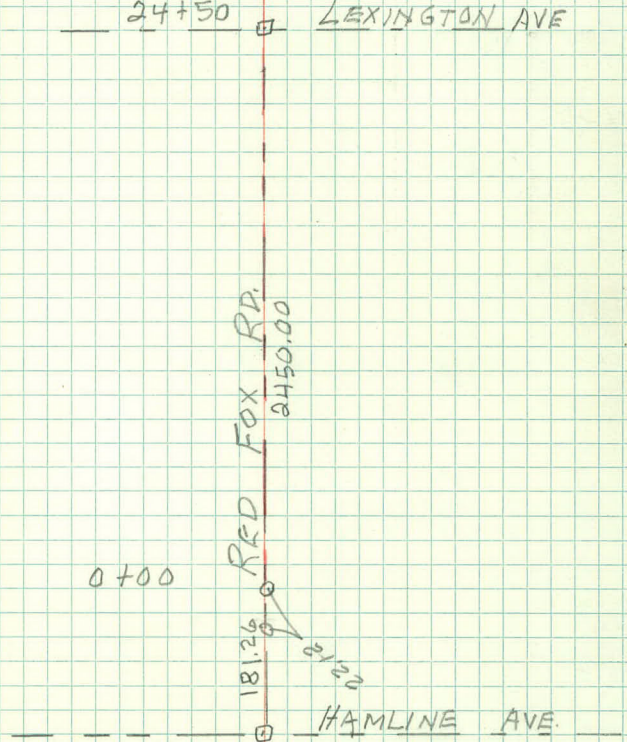
℄ STA 23

STA	+	H	−	ELEV
		946.96		
23+50				
24				
+50	TOP MONT			
BM			2.50	944.46

LT	℄	RT
	39.6	
8.9		
	40.9	
6.1		
	42.93	
4.53		

SPIKE IN PP N.E Cor Lex.

TOPOGRAPHY


24+50
LEXINGTON AVE
RED FOX RD.
2450.00
0+00
181.26
21°22'
HAMLINE AVE

℄

0+00 LT RD 4 RD 21 RT

0-07 PP 28 0-12 HYD 27

0-07 BR 66 0-19 ℄ Service drive 0-06 DOR 28

0-31 BR 53 0-31 W. edge BT

0-50

0-61 E EDGE BT

0-71 E. EDGE CONC.

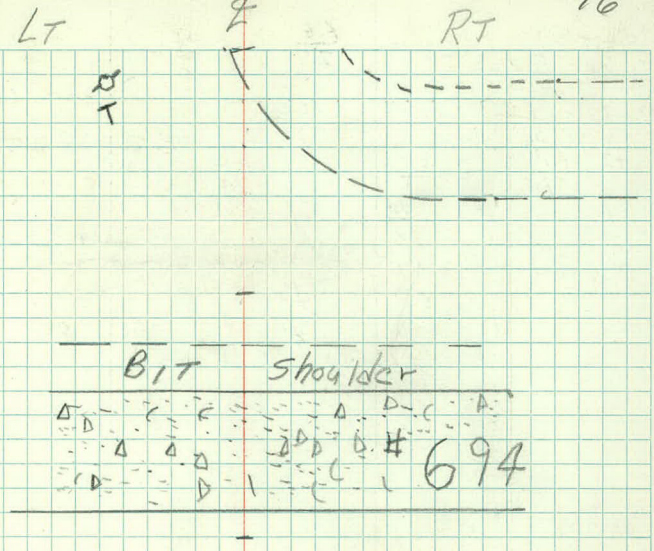
0-95 W EDGE CONC.

0-100

0-150

0-200

0-250


LT
℄
RT
BIT
Shoulder
694

+50 LT F.E 28 ℄ RT

+33 6" Popular 32

+32 6" Popular 33 +35 P.P 28 +35 FE. Cor 28 +44 FE Cor 34

+28 F.P 54 +26 F.P 31

+23 Hyd 28

2+00 RD 9 RD 9

+73 N. End Culvert 18" x 44.0 CM 22

+50

+28 1" Birch 60

+27 2" Birch 61

+07 Pine 65 +07 P.P 28

+04 Pine 80

1+00 RD 13 RD 9

+94 House Cor. 74

+67 8" Elm 21

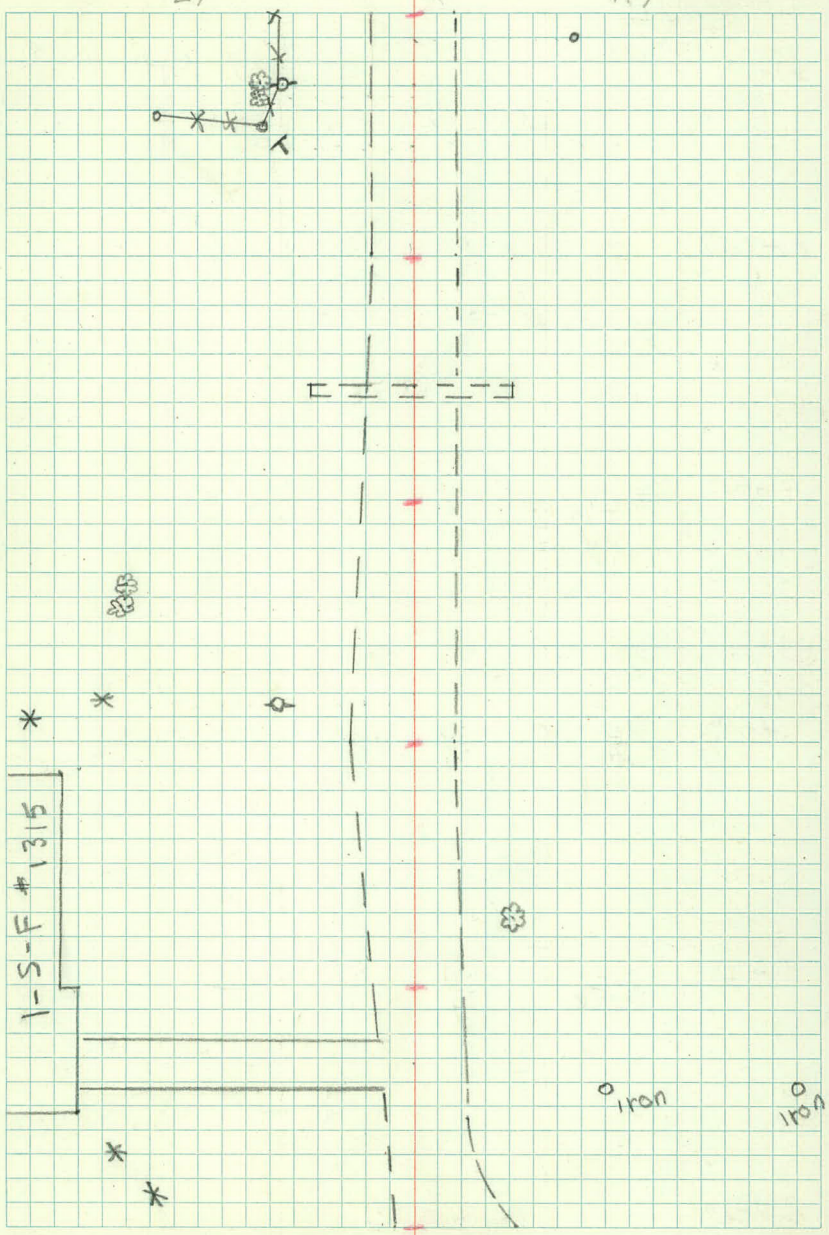
+50

+34 ℄ 10' Ent

+24 SW Cor Ho 70

+16 6" Pine 68 +06 6" Pine 54 +28 Iron 40 +22 ER 12

0+00 RD 4 RD 21


LT
℄
RT
I-55-F # 1315
iron
iron

5+00 FE/27 LT Rd/9 Rd/9 FE/33 RT

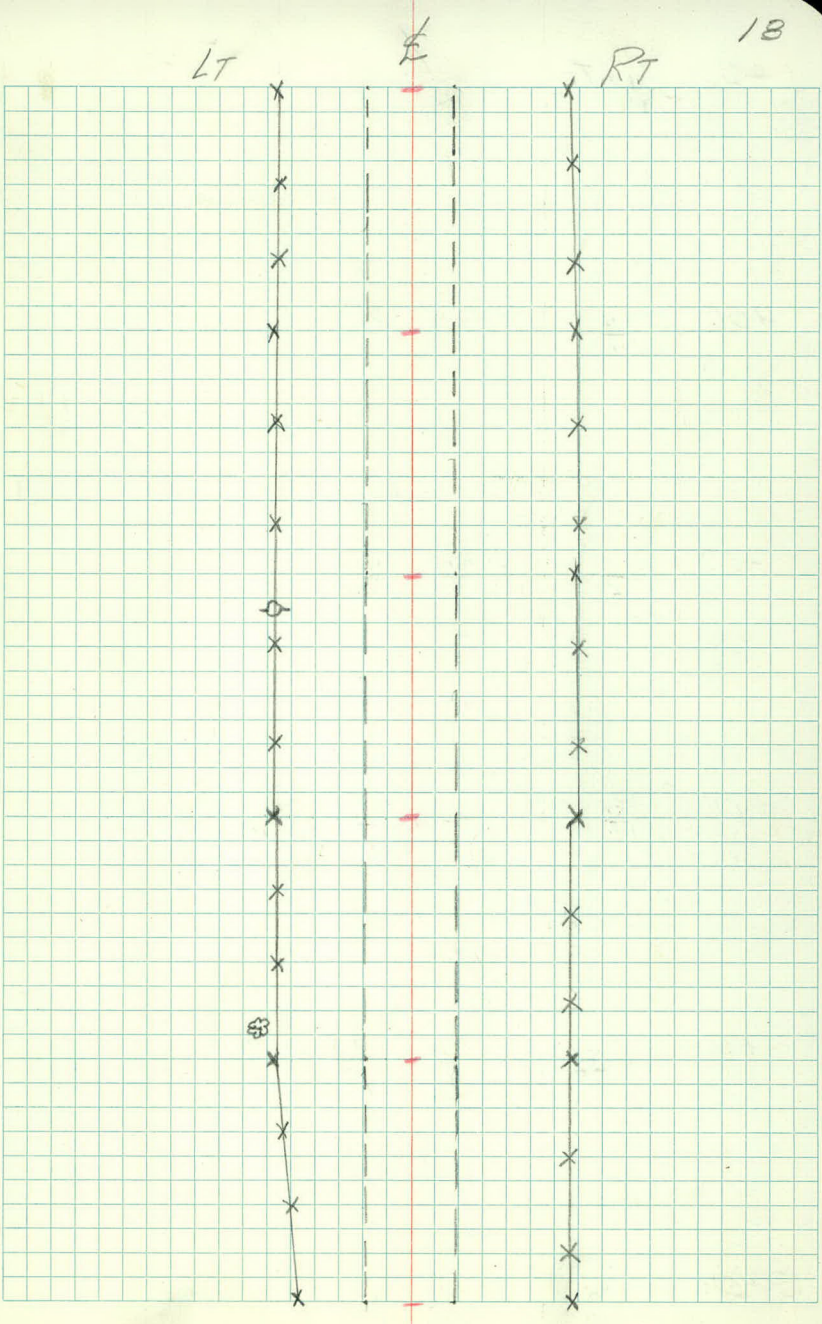
+50 FE/28 FE/34

4+00 FE/29 +94 PP/28 Rd/9 Rd/9 FE/34

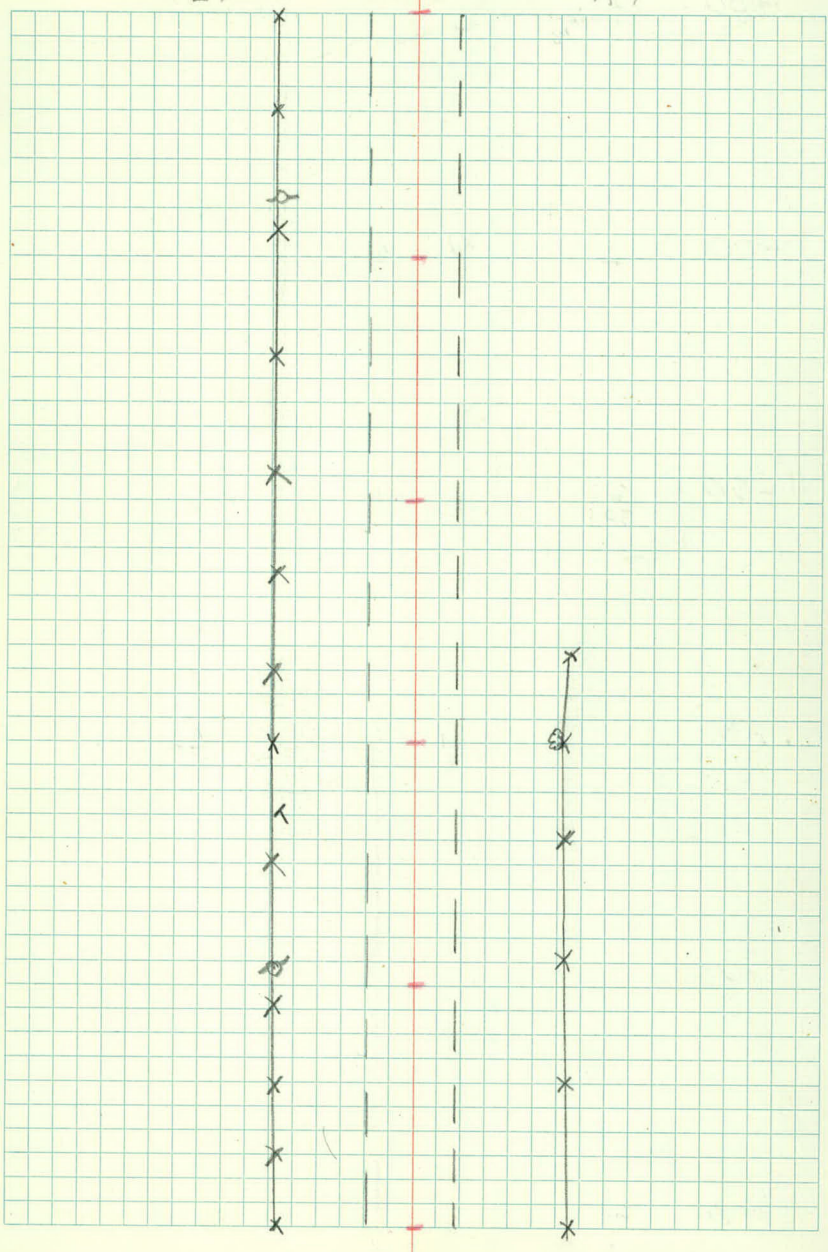
+50 FE/29 FE/34

3+00 +0.6 6" Plumb 33 FE/28 Rd/9 Rd/9 FE/34

2+50 FE/28 Rd/9 Rd/9 FE/34


LT
℄
RT

	LT	℄	RT
+50	FE 28		
	+14 P.P. 28		
7+00	FE 28	Rd 9 Rd 9	
+50	FE 28		
			+18 End FE 31
6+00	FE 29	Rd 9 Rd 9	FE 31 4" Plum 31
	+85 Hyd 27		
	+54 P.P. 28		
+50			
5+00	FE 27	Rd 9 Rd 9	FE 33


LT
℄
RT

10+00 FE 27 — LT — ℄ — RT

+99 4" Willow 26

LILAC 28

+82 24" Oak 37

+70 8" Ash 41

+58 16" Cott Wood 37

+54 Begin Lilac 29

+50

FE 29

+31 Twin Apple 29

+16 4" Cott W 27

+03 Hyd 28

+10 36" Maple 26

9+00 FE. 30 — Rd 9 — Rd 9

+80 4" Elm 28 — +75 P.P 25

+71 Twin Cott W. 31

+50

+41 14" C.W 38

+38 30" C.W 38

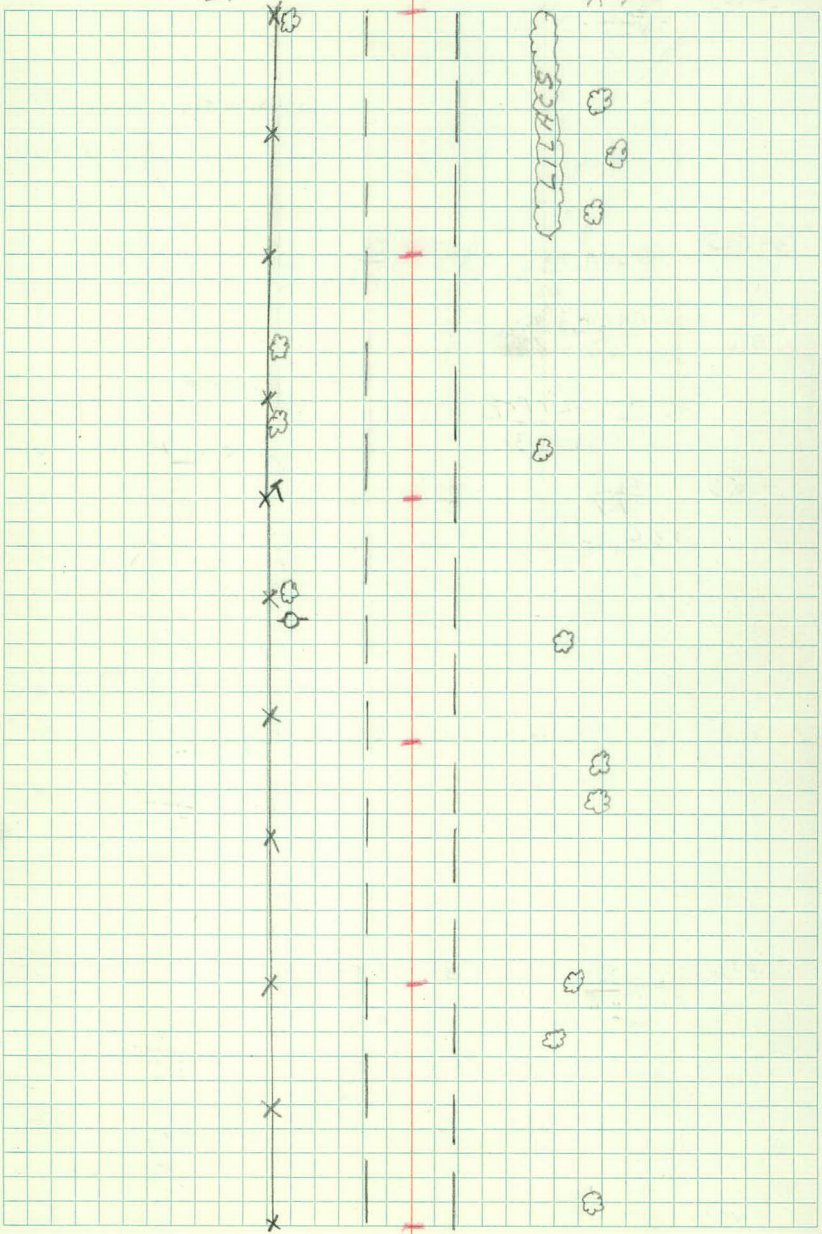
8+00 FE. 28 — Rd 9 — Rd 9

Triple 14" B.E 34

+89 10" B.E 30

+55 4" Elm 38

7+50 FE 28


LT
℄
RT
SCHOOL

+50 FE 92 LT WOODS 54-90 ℄ RT

12+00

+99 P.P 28 Rd 9 Rd 9

+80 FE 90 +80 BEGIN Woods 54-90

+67 FE 31 - North +67 FE.P 31

+52 FE.P 38

+50

+66 Hyd 24

+35 MH 2

+30 FE.P 36

+06 FE.P 36

+08 WGV 16

11+00 FE 27 End TREE 39 Rd 9 Rd 9

+80 P.P 30

+77 End L'ING 30

+52 24" B.E 35

+50 TREES FE 30-40 29

+41 24" B.E 35

+39 P.P 28

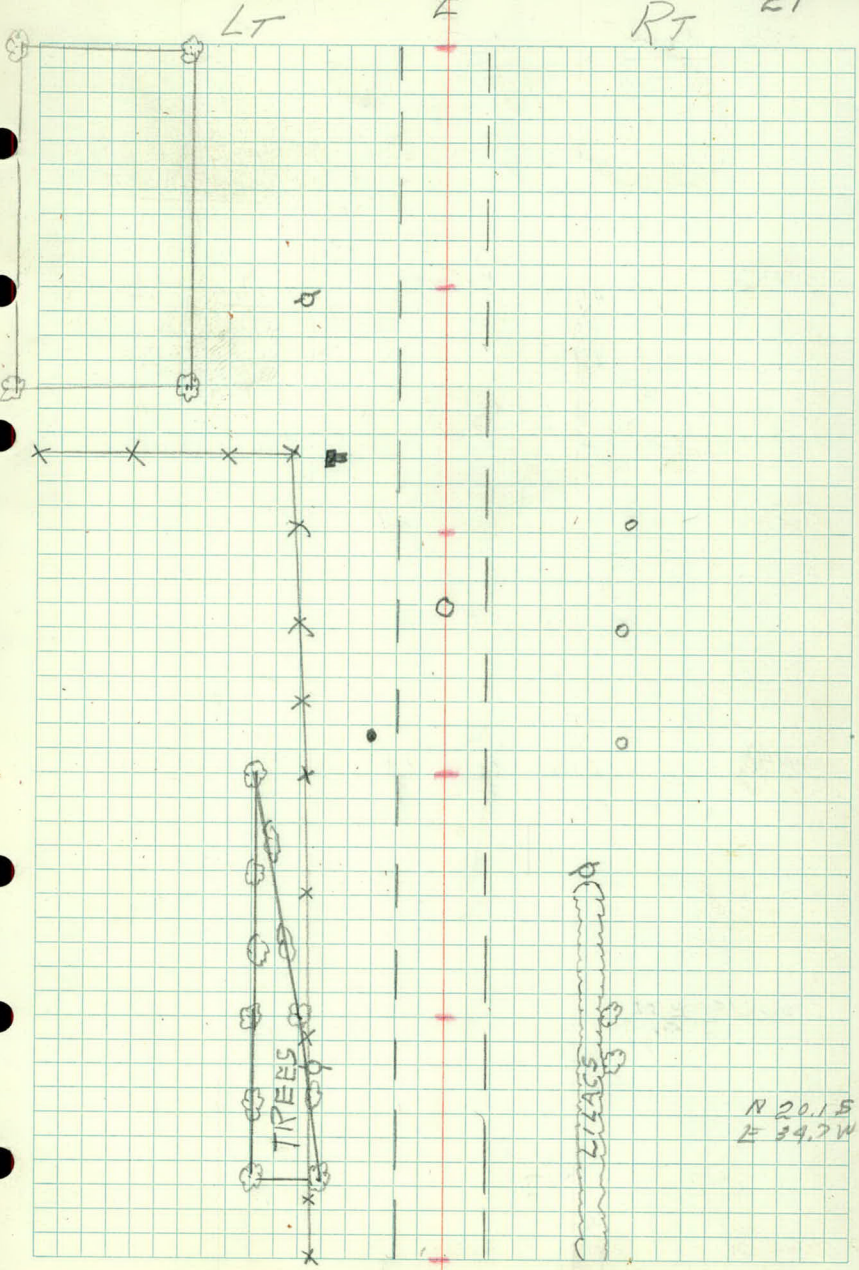
+16 TREES 25-40

+06 NW Cor Bldg 90 Brick

10+00

Transformer By N.E Cor.

Possible Pump House


LT
℄
RT
TREES
LILACS
N 20.1 E
E 34.7 W

15+00 Woods T
39-66

Rd 15 Rd 20

RT
+91 E.R. 20
+80 P.O.R 22
+75 B.R 34
+62 Q DUNLAP ST
+50 E.R 30
+44 Hyd
+46 P.O.R. 37 14
+36 B.R 9

+50 FE 69

14+00 FE 92 Woods 54-95

Rd 9 Rd 9

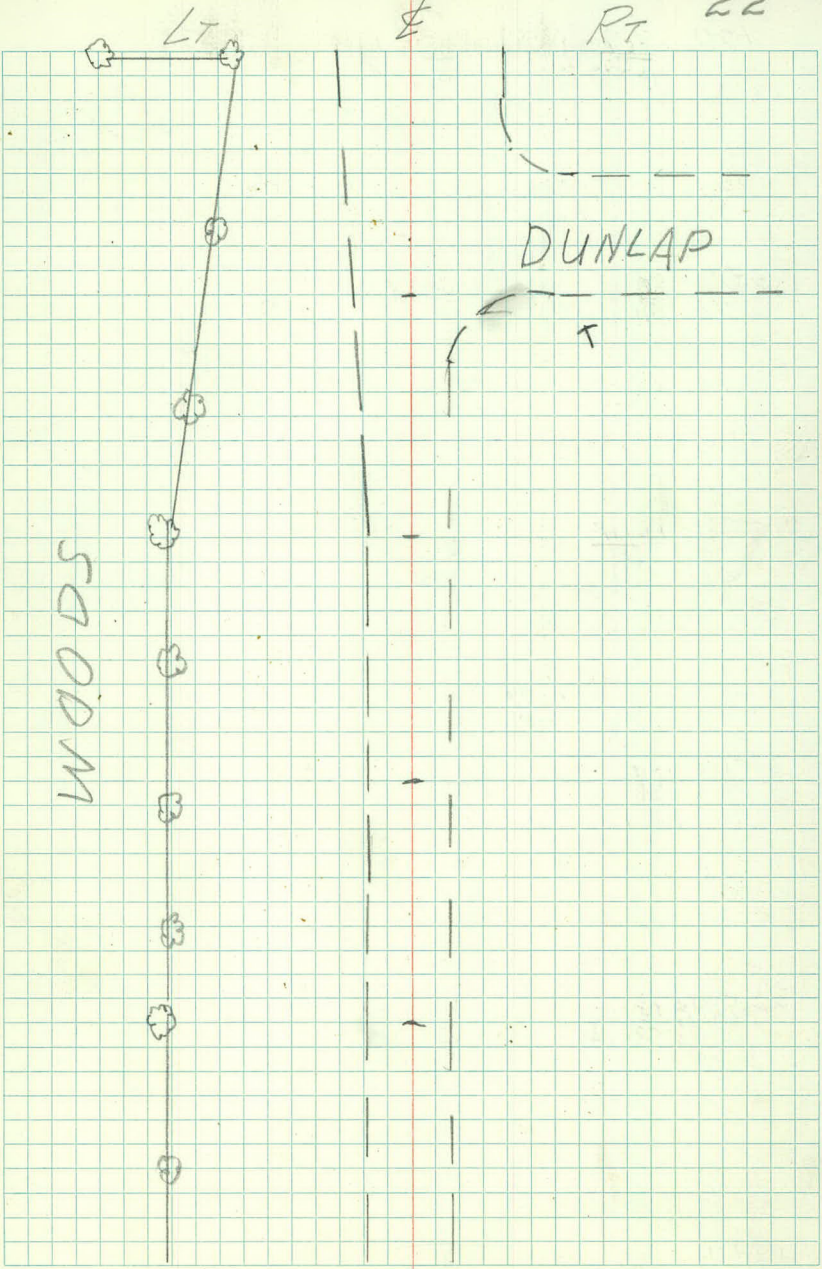
+58 PP 28

+50 FE 96

13+00 FE 90 Woods 54-95

Rd 9 Rd 9

12+50


LT
℄
RT
DUNLAP
WOODS

+50 FE 30 ✓ LT RD 13 ✓ RD 21 ✓ RT

17+00 FE 29 ✓ 110-28 Pond ✓ Rd 13 ✓ Rd 22 ✓

+89 FE COR 29

+77 P.P. 28

+50 FE COR 34 ✓

+47 Cor Pond 28

+26 Cor Pond 100

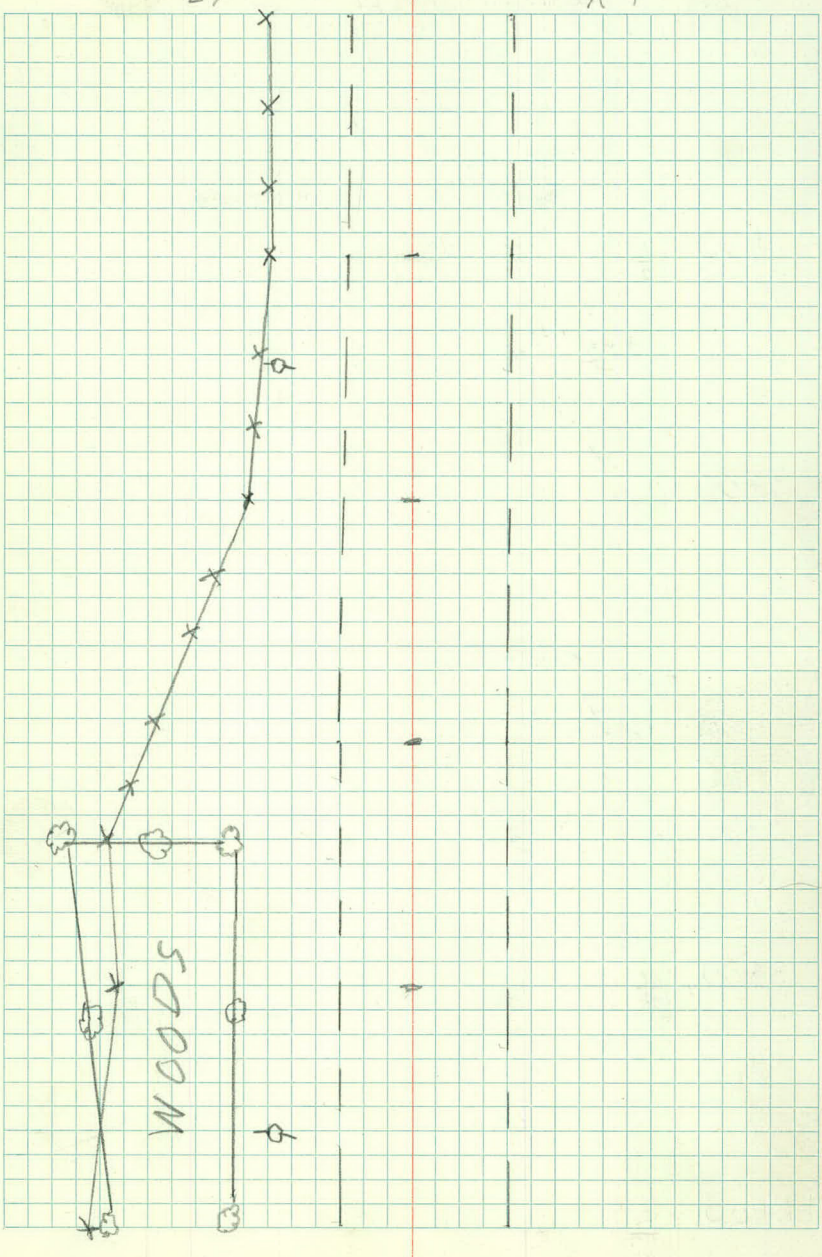
16+00 FE 39 ✓ Rd 15 ✓ Rd 20 ✓

+78 FE 64 ✓ ✓ +78 Endwoods 36-74

+50 FE 62 ✓

+14 P.P 29 ✓

15+00 FE 67 ✓ WOODS 39-61 Rd 15 ✓ Rd 20 ✓


LT
℄
RT
WOODS

20+00 LT Rd 12 CL Rd 19 RT

+72 End Fence 31

+50 FE 30

+08 End Low land Pond 85 Lt

19+00 FE 30 Rd 13 Rd 19

+69 Begin Low land Pond 85 Lt

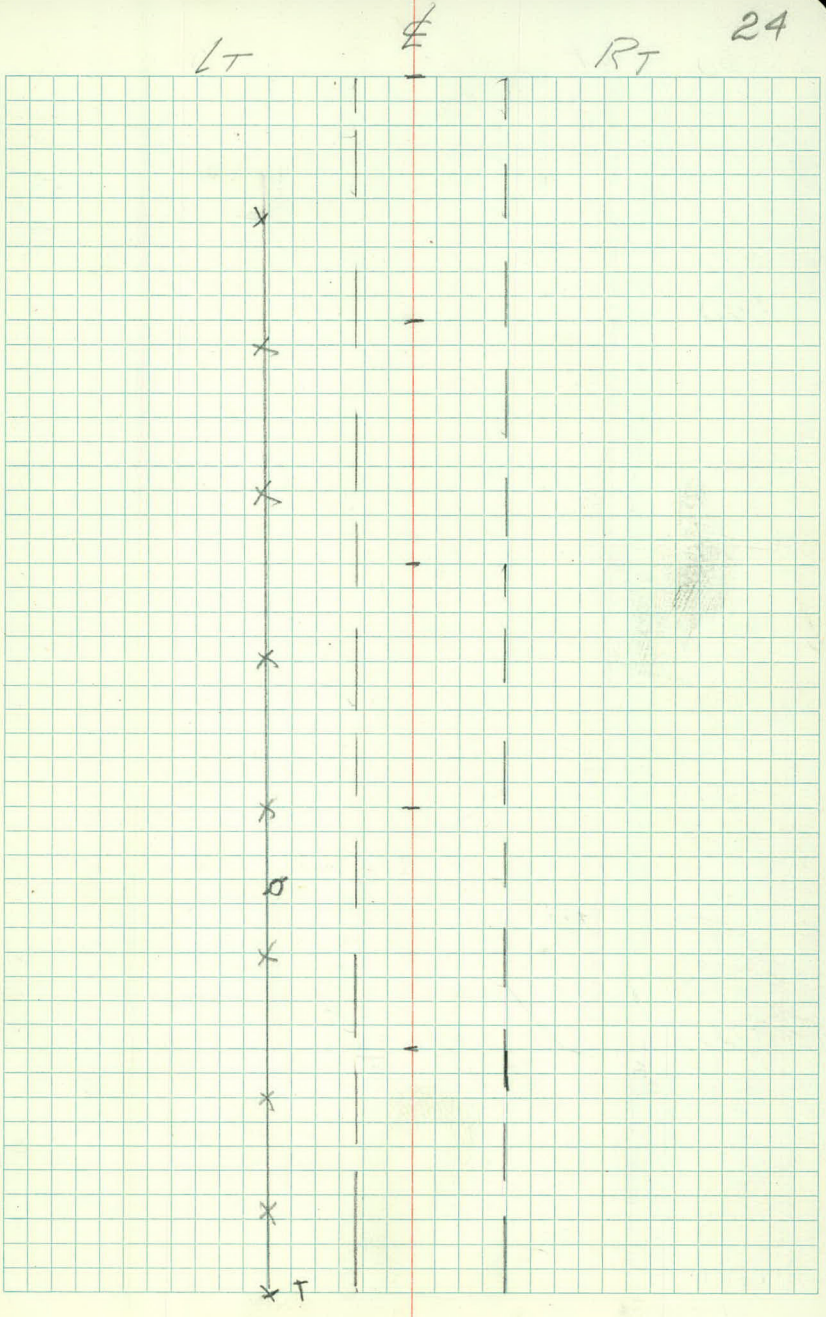
+50 FE 30

+39 P.P 29

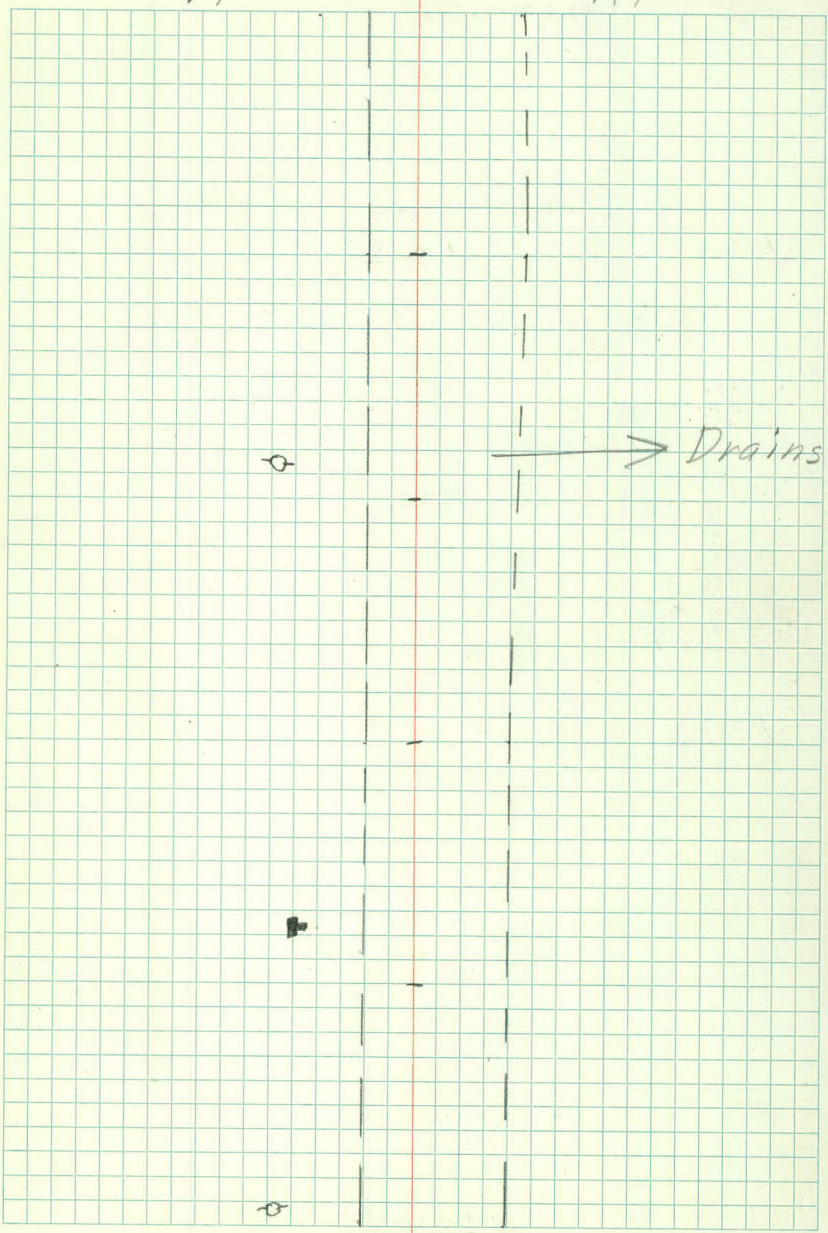
18+00 FE 30 Rd 13 Rd 20

+52 End Pond 85 - 29

17+50 FE 30 Hyd 24


LT
℄
RT
T

	LT	℄	RT
+50		RD 10 / RD 22	
22+00		Rd 10 ✓ / Rd 23 ✓	
	+58 P.P 29 ✓		
+50			
21+00		Rd 10 / Rd 20	
	+62 Hyd 25 ✓		
+50			
	+03 P.P 29 ✓		
20+00		Rd 12 ✓	Rd 19 ✓


LT
℄
RT
Drains

25+00 LT ℄ RT

+50 MONT ℄

+38 E.R. 37
+22 R.O.R. 13
+03 BR 8
Rd 12 Rd 19
+90 WENDGM 48" 55

+38 ER 40
+25 P.O.R. 21
+03 BR 16

24+00

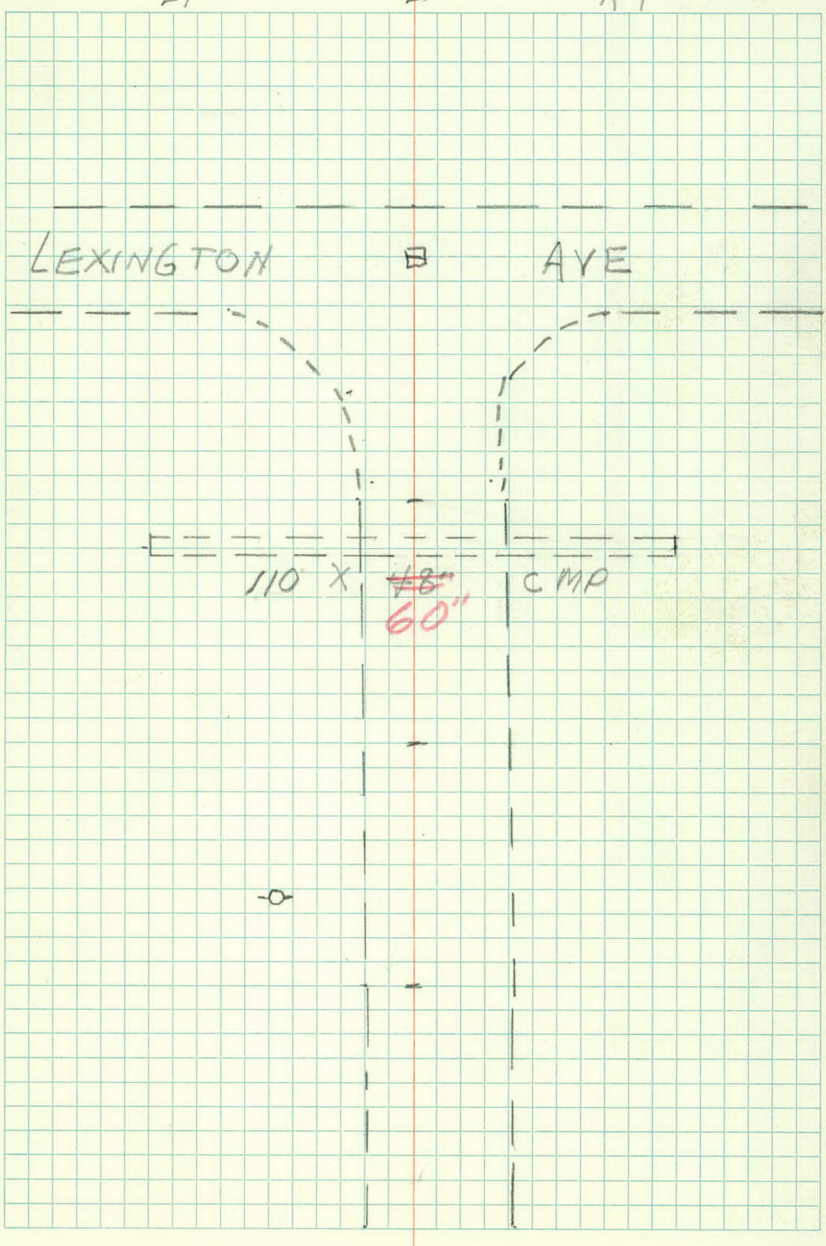
+90 WENDGM 48" 55

+50

+13 RL 28

23+00 Rd 10 Rd 21

22+50 Rd 10 Rd 22


LT
℄
RT
LEXINGTON
AVE
110
X
~~48"~~
60"
CMP

BENCH LEVELS

STA	+	⊼	−	ELEV.	
BM					936.96
BM					929.12
BM					934.73
BM					939.73

DESCRIPTION

TOP HYD LT STA 0-15

TOP HYD LT STA 2+20

TOP HYD LT STA 5+75

TOP HYD LT STA 9+00

STA	+	⊼	−	ELEV	
B.M.	5.06	944.79			(939.73)
B.M.	2.44	941.32	5.91	938.88	
B.M.	3.60	941.26	3.66	937.66	
T.P.	12.77	946.91	7.12	934.14	
			2.47	944.44	(944.46)

D.S.
G.A.
J.A.
C.M.

Top Hyd LT STA 9

Top Hyd COR Red Fox Rd & Dunlap

Top Hyd LT STA 16+50

T.P ℄ of STA 22+00

Spike with Red in P.P. N.E. COR LEX. & Red Fox Rd

STA	+	HI	—	ELEV.	
BM	2.52	941.40			938.88
B.M.	3.43	941.11	3.72	937.68	
B.M	5.99	945.37	1.73	939.38	
B.M	2.77	946.73	1.00	944.37	944.46
B.M.	1.98	941.61	7.10	939.63	939.63
T.P.	6.21	942.75	5.07	936.54	
B.M.			3.85	938.90	938.88
B.M.					

Lt ℄ Rt

TOP HYD AT DUNLAP

Top Hyd STA 16+50

Spike in P.P. N.W cor. Lex & Red Fox Rd

Spike with Red in P.P. N.E. cor Lex. & Red Fox Rd

Spike in P.P. N.W cor Lex & Redfox Rd.

Top Bell Telephone Pipe

B.M. (Top) Hyd AT Dunlap

Sp

STA	+	T	−	ELEV	
BM	7.07	946.70			939.63
23+90					
24+00					
24+38					
24+50	℄ of LEX.				
			2.24	944.46	944.46

6 LT ℄ RT 32 6

29.3	27.4	34.1	37.4	39.1	40.2	39.5	36.3	34.0	27.2	28.2
17.4	19.25 (CMP F.L.)	12.0	9.3	7.0	6.5	7.2	10.4	12.7	19.45 ℄ MA F.L.	18.5
75	54	42	31	16	2	18	33	43	51	75

32.4	33.4	39.9	40.9	40.9	40.4	40.0	33.8	29.1	28.8
14.3	13.3	6.8	5.8	5.8	6.3	6.7	12.9	17.6	17.9
75	53	25	15	2	15	20	35	59	75

44.7	43.4	42.7	42.4	42.1	41.3	40.2
2.0	3.3	4.0	4.3	4.6	5.4	6.5
100	50	16 Bit	℄	17	47	100

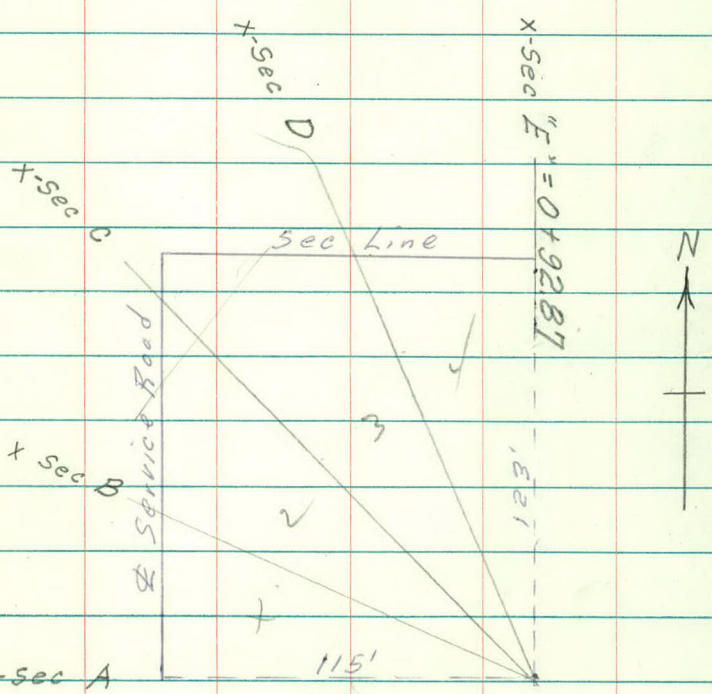
44.8	44.3	43.8	43.1	42.43	42.1	41.5	40.9	40.4
1.9	2.4	2.9	3.6	4.27	4.6	5.2	5.8	6.3
100	75	50	25	℄ MONT	25	50	75	100

SPIKE WITH RED IN P.P. N.E. OF LEX & RED FOX RD.

FK
PK
CM
AS

June 27, 1969

X-SECTIONS



STA	+	℄	−	ELEV.
BM	0.04	937.00		936.96

X-Sec. "A"

✓

✓

✓

X-Sec "B"

✓

Lt. from Center Ctr. Left Sta 0-12

TOP HYD NW COR SERVICE DRIVE

23.4	24.0	24.7	26.3 ✓	27.8	29.1	30.9
13.6	13.0	12.3	10.7	9.2	7.9	6.1
53	49	47	38	27	14	

23.3	23.2	21.5	23.1	22.1	22.3
13.7	13.8	15.5	13.9	14.9	14.7
56	58	59	63	66	74

26.6	28.7	28.5	28.3 ✓	27.2	24.0	22.9
8.4	8.3	8.5	8.7	9.8	13.0	14.1
125	113	101	100	95	86	82
	E	Bit				

28.3	24.2	27.7	32.1	32.5	32.7
8.7	12.8	9.3	4.9	4.5	4.30
130	141	150	164	166	167
					Bit

22.9	24.0	25.4	26.4 ✓	27.8	29.4	30.9
14.1	13.0	11.6	10.6	9.2	7.6	6.1
58	50	45	41	28	14	

22.5	22.6	23.4	27.9
14.5	14.4	13.6	9.1
68	80	84	100

STA	+	T	−	ELEV.
		93700		
X-Sec "B"				
✓				
X-Sec "C"				
✓				
✓				
X-Sec. "D"				

June 27, 1969

Lt. from Center

Ctr

28.0	30.2	30.3	30.2	29.8	29.4
9.0	6.8	6.7	6.8	7.2	7.6
151	142	136	123	110	105
		Bit			

32.8	33.0
4.2	4.0
173	175
Bit	

23.1	23.5	24.4	26.1	27.3	28.4	29.6	30.9
13.9	13.5	12.6	10.9	9.7	8.6	7.4	6.1
87	78	62	50	40	28	14	

23.7	25.2	30.4	30.8	31.3	31.6	31.9	32.0
13.3	11.8	6.6	6.2	5.7	5.4	5.1	5.0
100	108	127	134	141	143	153	162
					Bit		

33.4	33.0	32.4	30.7	30.2	30.9	31.8
3.8	4.0	4.6	6.3	6.8	6.1	5.2
223	221	217	210	202	183	170

24.5	24.8	26.3	27.4	28.0	28.7	29.8	30.9
12.5	12.2	10.7	9.6	9.0	8.3	7.2	6.1
80	70	59	52	40	28	14	

Sta	+	x	-	Elev	
		937.00			
X-Sec. "D"					
✓					
X-Sec E					
T.P.	0.34	932.60	4.74	932.26	0+00 ℄ (32.3)

June 27, 1969

Lt. from Center / Ctr.

31.0	31.0	30.5	27.6	25.3	24.5	23.8
6.0	6.0	6.5	9.4	11.7	12.5	13.2
125	123	119	113	106	100	92
Bit						

31.2	31.5	31.7	32.5	33.5	33.9	35.3	36.6
5.8	5.5	5.3	4.5	3.5	3.10	1.66	0.35
133	142	145	153	160	164	175	187
Bit		Ent			Conc.		

24.4	26.7	27.9	28.2	28.7	29.6	30.1	30.90
12.6	10.3	9.1	8.8	8.3	7.4	6.9	6.1
79	69	62	54	42	28	14	

24.7	25.2	26.9	29.6	29.7	29.7
12.3	11.8	10.1	7.4	7.3	7.3
87	100	105	111	114	122

36.2	34.4	31.8	30.0	29.5	29.6
0.8	2.6	5.2	2.0	2.5	7.4
174	162	150	138	134	131

36.7	
0.3	
180	

Ditch Profile Rt
along East side Service Rd

932.60

is 0+10 ± Rt

✓

0 -22.13 ℄ Service Road (Profile)

✓

✓

Ctr. of Radius 1.73 930.87 (930.9)

E BT

21.6	21.6	21.3	21.0	20.7
11.0	11.0	11.3	11.6	11.9
162	212	236	253	270

18.8	19.1	19.4	19.8	20.4
13.8	13.5	13.2	12.8	12.2
362	340	332	319	292

31.8	31.8	31.3	30.6	29.7	28.7	27.8
0.8	0.8	1.3	2.0	2.9	3.9	4.8
	25	47	70	96	123	149

22.3	23.3	24.1	25.0	26.0	27.0
10.3	9.3	8.5	7.6	6.6	5.6
311	278	254	229	200	173

21.5	20.9	20.6
11.1	11.7	12.0
341	370	400

Sta	+	⊼	−	Elev.	
BM	0.99	943.42			942.43
BM			3.26	940.16	
22+00					
✓					
+50					
✓					
✓					

June 27, 1969

Lt. ℄ Rt. 38

Top Monument ℄ Lexington

Top Hyd S. W. Corner Lexington

39.7	36.1	35.1	34.2	33.8	33.6	33.5	33.6	34.0
3.7	7.3	8.3	9.2	9.6	9.8	9.9	9.8	9.4
28	20	14	12		11	28	42	51

40.0	39.2	39.1			32.4	33.5
3.4	4.2	4.3			11.0	9.9
32	53	75			75	58

36.6	35.9	35.3	34.6	34.6	34.2	34.6	34.8	35.4
6.8	7.5	8.1	8.8	8.8	9.2	8.8	8.6	8.0
25	19	13	11		16	18	22	30

37.0	37.1	36.6	37.2		36.8	36.2	36.5	35.8
6.4	6.3	6.8	6.2		6.6	7.2	6.9	7.6
31	38	42	45		45	42	38	32

38.6	38.8	38.7	38.1	37.6	36.7	39.1
4.8	4.6	4.7	5.3	5.8	6.7	5.3
75	62	57	52	49	51	100

X Hole under Construction

Sta	+	℄	−	Elev.	
		943.42			
23					
✓					
+50					
✓					
24	for check		2.53	940.89	(40.9)

Lt. ℄ June 27, 1969 Rt. 39

38.1	36.9	36.4	36.1	36.1	35.4	36.8	37.7	39.4
5.3	6.5	6.8	7.3	7.3	8.0	6.6	5.7	5.0
25	20	15	11		16	26	39	54

38.8	38.3	38.3	38.0			39.1	38.8
4.6	5.1	5.1	5.4			4.3	4.6
30	50	68	75			85	71

38.2	38.2	38.1	38.0	38.3	38.1	37.6	38.3	39.3	40.0
5.2	5.2	5.3	5.4	5.1	5.3	5.8	5.1	4.1	3.4
69	52	36	22	11		17	26	48	63

38.1								39.9
5.3								3.5
85								75

FK
PK
CM
AS

June 30, 1969

BENCH LEVEL CHECK

Sta	+	π	-	Elev.	
BM	3.37	940.33			936.96
BM	8.10	937.22	11.21	929.12	
BM	9.66	944.37	2.51	934.71	
BM	4.36	944.09	4.64	939.73	939.73
BM	2.85	942.78	4.16	939.93	
BM	2.62	941.49	3.91	938.87	938.88
BM	1.74	939.40	3.83	937.66	
BM	7.58	944.82	2.16	937.24	
BM			4.73	940.09	
BM			0.16	944.66	944.65 944.46
BM			8.79	936.03	
BM	2.14	941.01		938.87	
BM	1.87	939.51	3.37	937.64	937.65
BM	7.73	944.94	2.30	937.21	937.23
BM			4.87	940.07	940.08
BM			0.31	944.63	944.65

Top Hyd Lt Sta 0-12
Top Hyd Lt Sta 2+23
Top Hyd Lt Sta 5+85
Top Hyd Lt Sta 9+03
Top Hyd Lt Sta 11+66
Top Hyd S.W. Corner Dunlap & Red Fox Rd
Top Hyd Lt Sta 17+50
Top Hyd Lt Sta 20+62
Top Hyd S.W. Corner Lexington & Red Fox
Spike in Arc Light NE Corner Lexington
Sta 23 ℄

Top Hyd S.W. Corner Dunlap & Red Fox Rd.
Top Hyd Lt. Sta 17+50
Top Hyd Lt Sta 20+62
Top Hyd S.W. Corner Lexington & Red Fox
Spike in Arc Light NE Corner Lexington

July 7, 1969

42

Lexington Ave x-sections

Sta	+	=	-	Elev
BM	5.25	945.33		(940.08)
52.5' North of Red Fox Rd				
✓				
✓				
51' South of Red Fox Rd				
			0.68	
BM			0.68	944.65 (944.65)

FK
CM
AC

July 7, 1969

Left

43

Top Hyd S.W. Corner Lexington & Red Fox

35.33	37.03	38.73	40.73	42.33	42.83	43.53	43.73
10.0	8.3	6.6	4.6	3.0	2.5	1.8	1.6
46	42	35	29	25	23	12	

32.53	29.93	30.73	31.44	30.53	32.03
12.5	15.4	14.6	1389	14.8	13.3
51	55	58	62	67	72

Top 60" Culvert

38.13	38.13	37.83	36.93	34.73	33.83
7.2	7.2	7.5	8.4	10.6	11.5
100	94	89	84	79	75

32.83	33.83	35.83	37.63	39.13	40.83	41.13	41.33
12.5	11.5	9.5	7.7	6.2	4.5	4.2	4.0
46	42	38	34	29	23	13	

31.73	30.53	29.83	31.23	30.93	34.53
13.6	14.8	15.5	14.1	14.4	10.8
49	51	55	60	67	71

Top 60" Culv

39.43	39.73	38.53	37.03	35.63
5.9	6.2	6.8	8.3	9.7
100	96	89	82	75

Spike in PP NE Corner Lexington & Red Fox Road

Sta	+	=	−	Elev.
BM	0.52	940.60		940.08
			9.22 4.90	
N. End inv.			14.12	926.48
			9.47 4.93	
South End inv.			14.40	926.20

FK
PK
CM
AC

July 8, 1969