Book - 8 - Dr. 11-A

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Plan ..... Survey

GRAMSIE ROAD

From ½ mi. W of Rice St. To Rice St.

Road Acc't. No. 33-M18

Date Filed 1933 File 11

33-M18

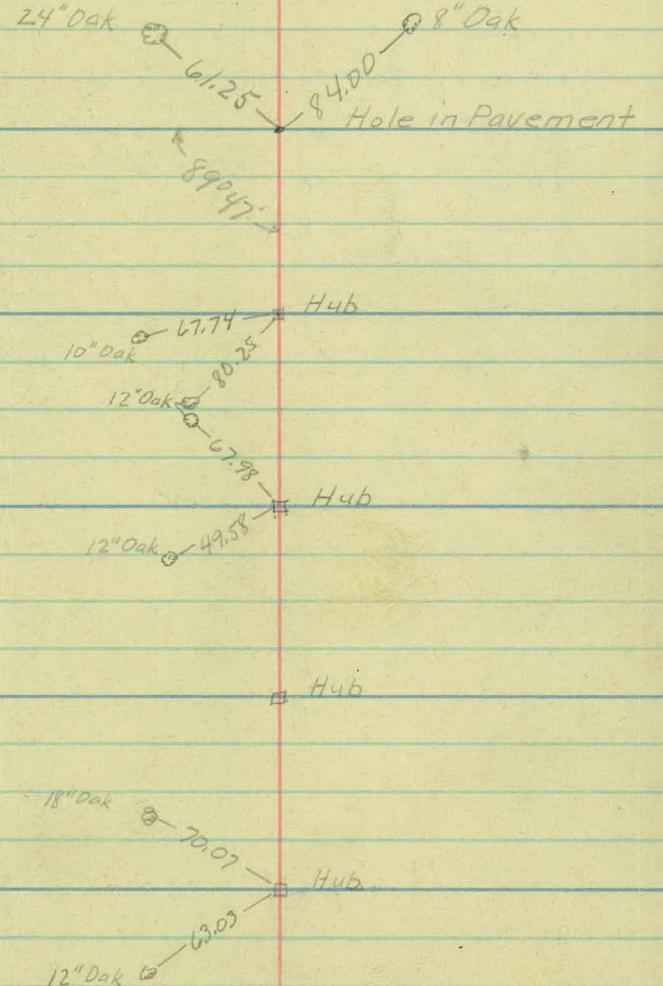
26+37.75 ℄ Rice St.

23+18.10 P.O.T.

20+16.90 P.O.T.

0+.00

0-100


24" Oak
61.25
8" Oak
84.00
Hole in Pavement
89°47'
Hub
67.74
10" Oak
80.25
12" Oak
67.98
Hub
12" Oak
49.58
Hub
18" Oak
70.07
Hub
63.03
12" Oak

33-M18
Topog.

5

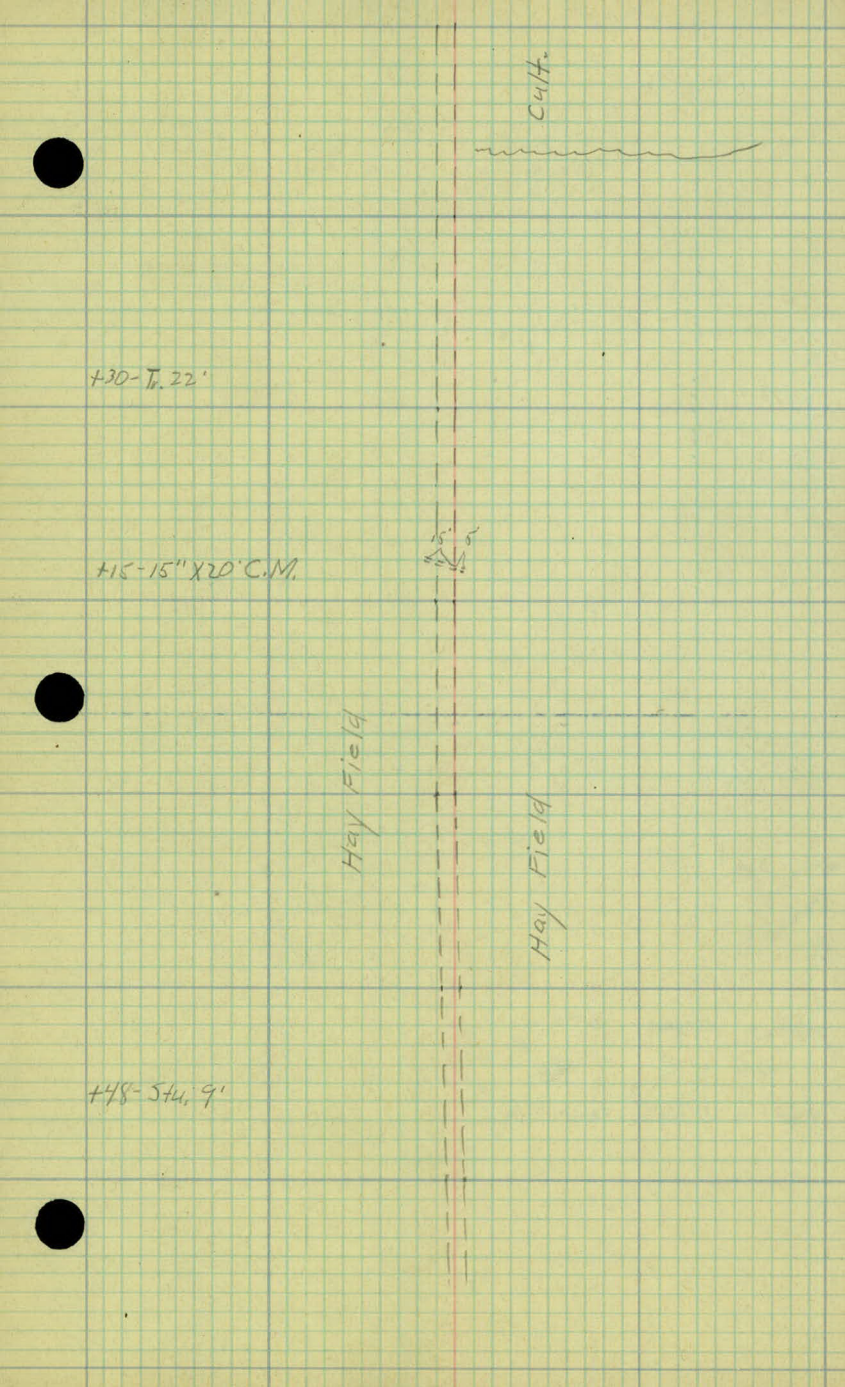
4

3

2

1

0700


C4/H.
+30-Tr. 22'
+15-15" X20' C.M.
15'
5'
Hay Field
Hay Field
+48-St4. 9'

12

11

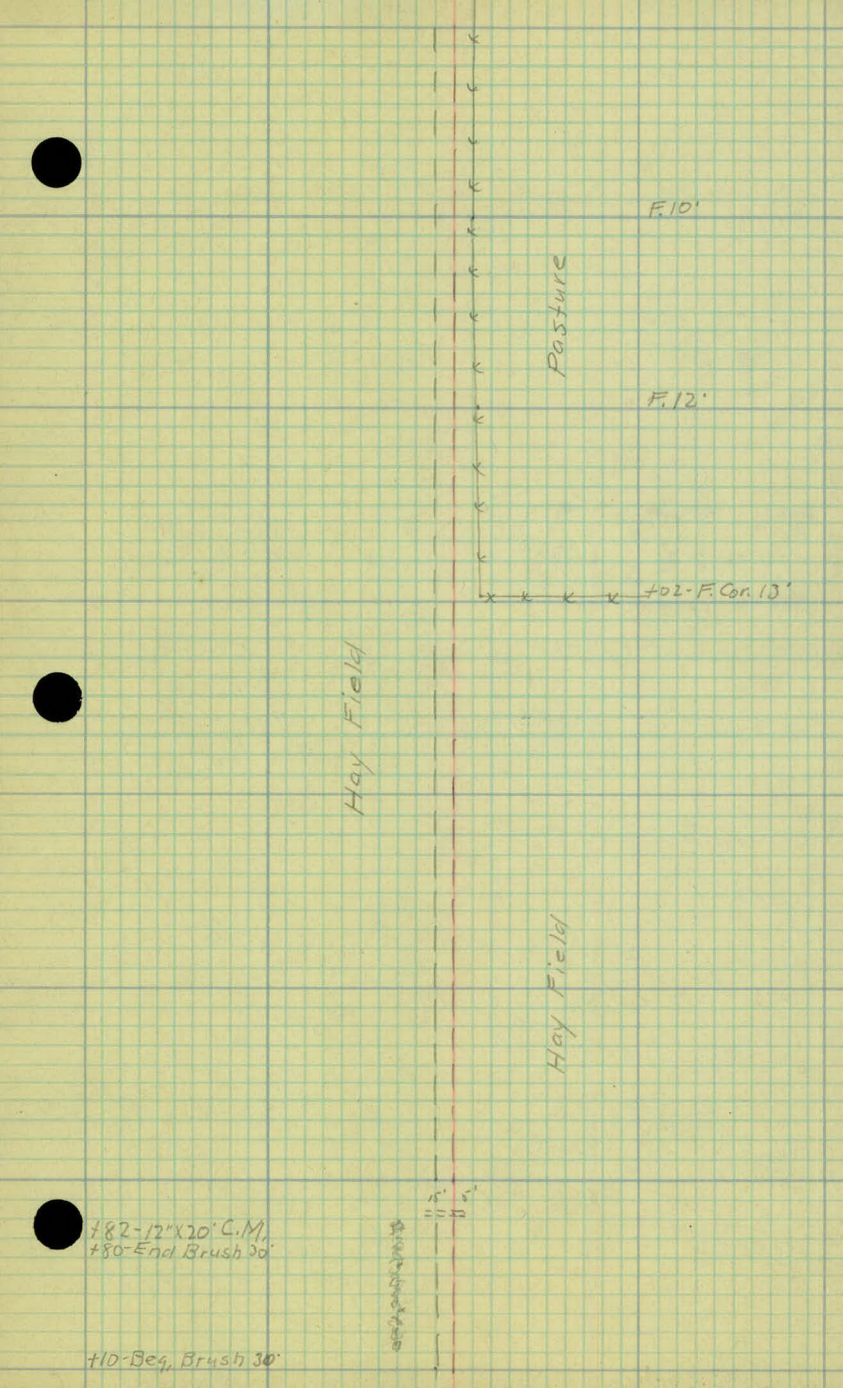
10

9

8

7

6


F. 10'
Pasture
F. 12'
+02 - F. Cor. 13'
Hay Field
Hay Field
15'
15'
+82 - 12" X 20' C.M.
+80 - End Brush 30'
+10 - Beg. Brush 30'

19

18

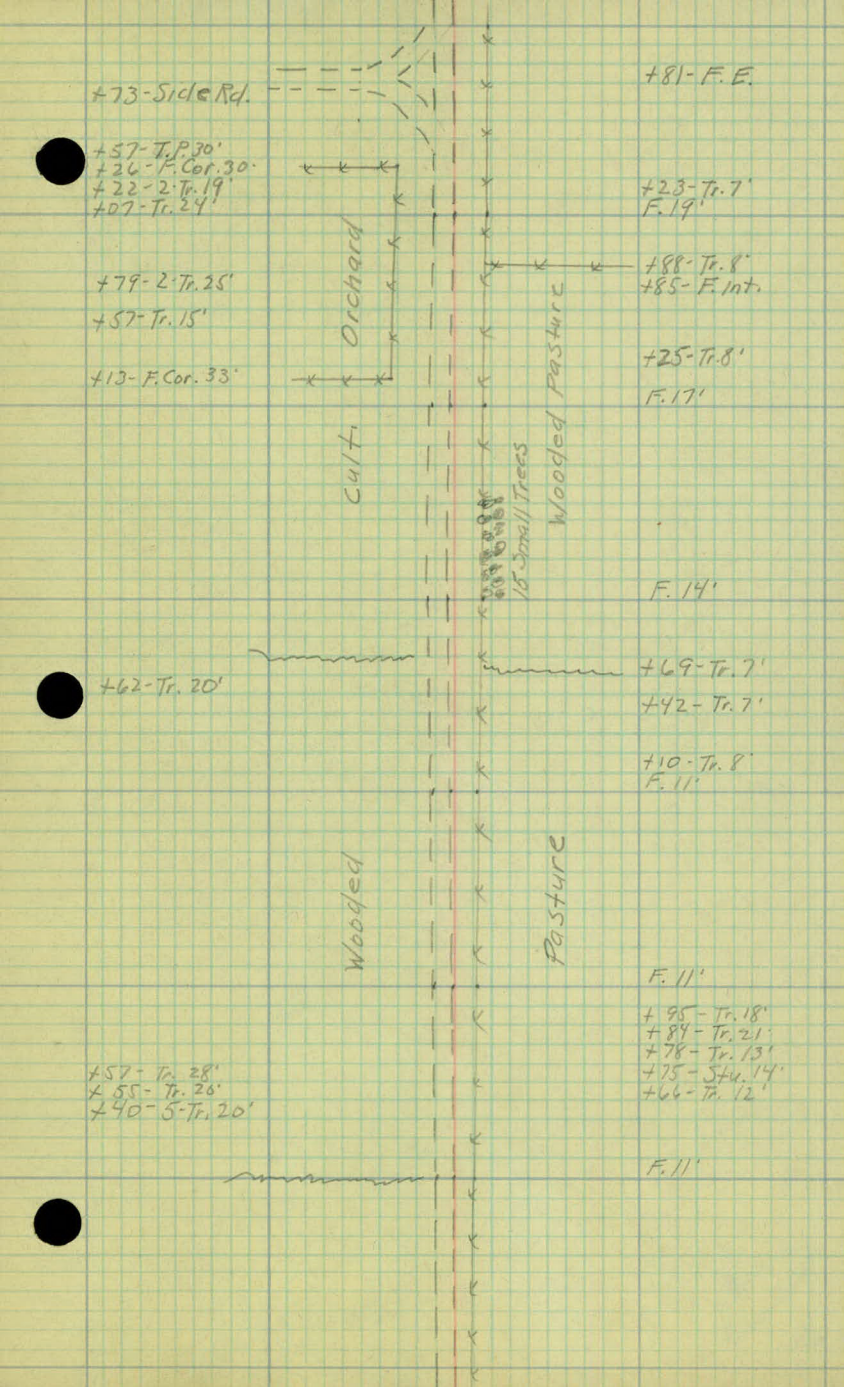
17

16

15

14

13


+73 - Side Rd.
+57 - T. P. 30'
+26 - F. Cor. 30'
+22 - 2 - Tr. 19'
+07 - Tr. 24'
+79 - 2 - Tr. 25'
+57 - Tr. 15'
+13 - F. Cor. 33'
Orchard
Cult.
+81 - F. E.
+23 - Tr. 7'
F. 19'
+88 - Tr. 8'
+85 - F. Int.
+25 - Tr. 8'
F. 17'
15 Small Trees
Wooded Pasture
F. 14'
+69 - Tr. 7'
+42 - Tr. 7'
+62 - Tr. 20'
+10 - Tr. 8'
F. 11'
Wooded
Pasture
F. 11'
+95 - Tr. 18'
+89 - Tr. 21'
+78 - Tr. 13'
+75 - Stu. 14'
+66 - Tr. 12'
+57 - Tr. 28'
+55 - Tr. 26'
+40 - 5 - Tr. 20'
F. 11'

26

25

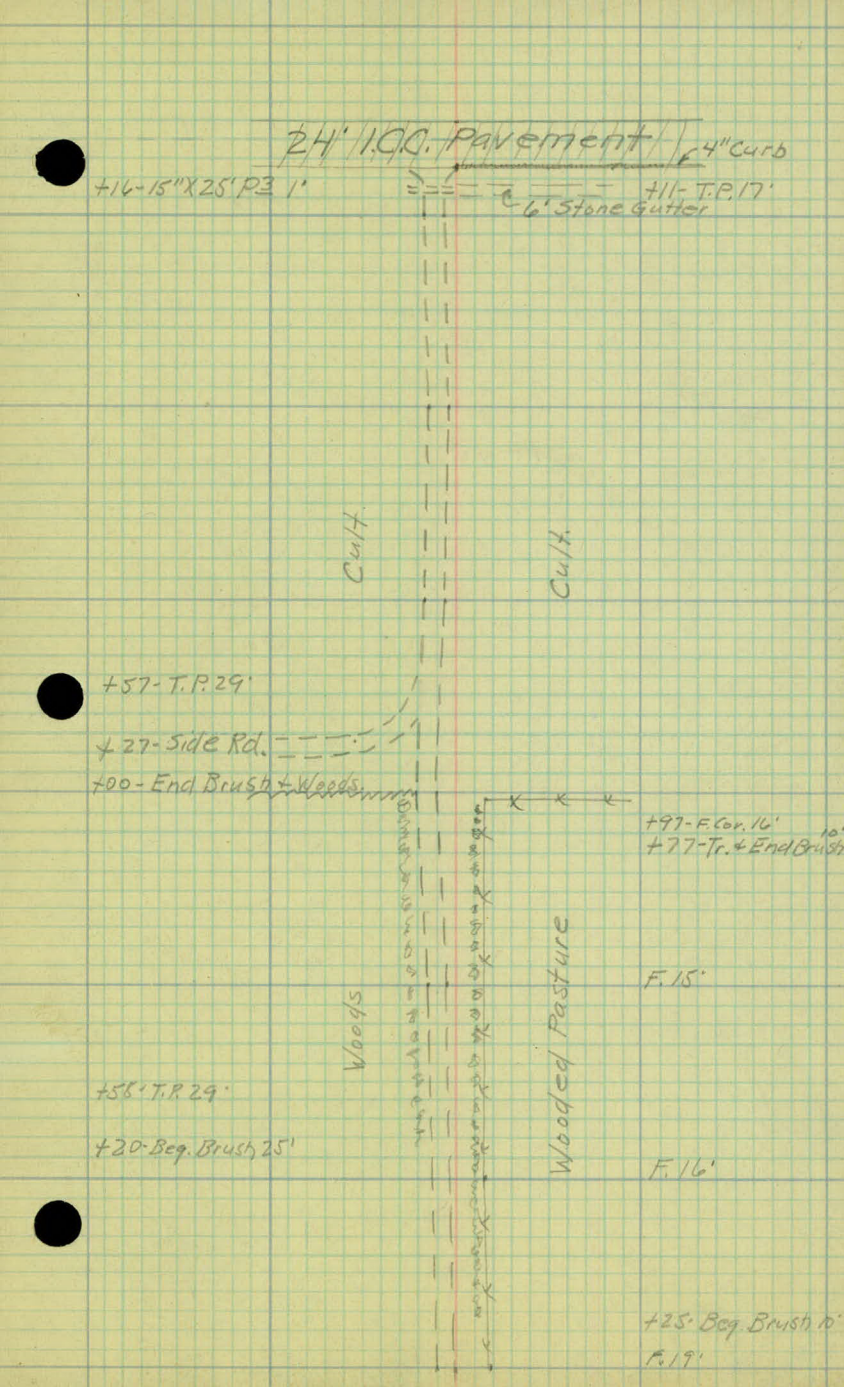
24

23

22

21

20


24' 1.C.C. Pavement
4" Curb
+16-15"X25' P.3 1'
+11- T.P. 17'
6' Stone Gutter
Cult.
Cult.
+57- T.P. 29'
+27- Side Rd.
+00- End Brush & Weeds
+97- F. Cor. 16'
+77- Tr. & End Brush 10'
Woods
Wooded Pasture
F. 15'
+58' T.P. 29'
+20- Beg. Brush 25'
F. 16'
+25- Beg. Brush 10'
F. 19'

33-M.18

B.M.	5.75	893.96 ✓		888.21	
0-100					88.0
0-50					86.5
0+00					85.7
+30		✓		✓	84.5
T.P.	1.69	887.07	8.58	885 38	
+65					83.4
1					82.1
+50					81.1
2					80.3
+50					80.3
3					81.1
+30					81.5
+50					82.3
+80		✓		✓	83.3
B.M.	4.11	889.54	1.63	885.44	885.43

7-25-33

Spk. in 12" Oak 60' Lt 0-115

6.0

7.5

44	43	46	55	83				80	85	65	65				
40	35	23	12	8	8.3			7	12	82	40				
103	98	95	92	91	95			95	90	92	81				
40	22	9	7	5	3	9.5		2	5	9	40				
75	70	66	57	57	55	50	36	37	44	50	46	46			
40	18	13	40	30	17	13	7	3	5	12	26	40	3.7		
94	94	90	67	66	70	62	46	48	46	61	61				
40	20	14	40	27	18	14	8	2	6	25	40	6.0			
118	111	58	95	85	87	78	60	60	80	85	85	85			
20	15	40	33	31	17	15	9	1	5	9	25	40	6.0		
122	95	95	102	102	94	93	93	67	82	100	98	98	98		
17	40	37	35	32	31	23	17	10	4	11	19	30	40	6.8	
85				118	115										
40				23	18										
85	93	93	83	82	90	95	68	65	65	96	98	95	102		
37	36	32	31	28	22	18	13	11	2	8	12	15	40	6.8	
120	108	77	84	82	83	76	83	66	58	80	82	88	92		
20	16	40	36	30	25	24	16	13	11	6	14	24	40	6.0	
111	93	78	73	82	80	75	60	55		62	77	78	82		
19	15	45	39	36	28	15	12	11	5.6	3	5	20	40		
111	95	69	65	65	77	74	55	48		55	69	72	74		
35	31	22	45	40	38	31	18	10	4.8	3	5	24	40		
53	60	75	67	55	46	42	34			58	57	60			
41	38	37	34	33	30	18	12	3.8		8	24	40			

Spk. in 15" Oak 80' Rt. 4+22

		889.54			
4					84.3.
+30					84.9.
+55					84.6.
+80					84.5.
5					84.4.
B.M.	13.22	898.65	4.11	885.43	
4+80					
5					
T.P.	1.85	887.10	13.40	885.25	
+40					84.3.
+70					83.7.
6					82.8.
+50					81.4.
7					80.4.
+50					80.4.

6.5/40 6.8/38 10.0/36 10.0/34 7.5/32 6.7/29 6.4/20 5.1/14 5.2 | 5.3/2 7.3/12 7.5/24 7.5/40

3.3/45 3.6/41 9.5/35 9.5/34 6.7/31 5.1/22 4.8/14 4.6/11 4.5/1 4.6 | 5.3/9 5.5/15 4.5/21 4.3/31 4.1/40

1.4/50 0.8/45 9.4/35 9.4/34 6.6/31 5.2/16 4.7/11 4.6/6 4.9 | 5.5/3 6.1/14 5.4/17 0.0/26 0.8/40

3.5/45 3.2/40 9.0/33 8.0/32 6.5/29 5.2/19 4.6/6 5.0 | 6.3/13 5.4/18 0.5/22

5.3/45 5.0/39 9.1/34 9.1/33 4.6/30 5.0/20 4.6/6 5.1 | 5.8/10 4.2/18 2.2/29

14.2 | 5.8/27 3.0/32 2.7/40

14.3 | 4.0/38 2.0/40 1.5/43 2.2/50

7.4/38 7.2/32 5.8/21 5.5/18 4.2/15

5.3/45 7.7/39 5.2/37 2.0/36 7.0/33 5.0/32 4.4/18 2.7/12 2.8 | 2.9/15 3.0/27 2.0/37 1.0/43

7.5/23 6.9/18 5.9/14

5.7/45 5.6/37 2.0/36 6.7/34 5.2/33 4.7/14 3.5/12 3.3/10 3.4 | 4.2/5 4.7/8 4.7/24 4.0/40

8.8/24 8.4/19 7.4/14 | 6.2/42 6.2/37 7.2/36 7.2/33 6.0/32 5.8/14 4.0/9 4.3 | 4.3/1 5.3/4 5.8/11 5.0/28 5.0/40

8.6/26 9.1/22 7.8/15

7.1/45 7.1/37 8.2/36 8.1/33 7.1/32 6.1/27 7.0/20 6.7/12 5.7/10 5.7 | 6.4/5 6.8/8 6.8/24 6.6/40

7.0/45 9.6/28 8.9/24 8.3/14

7.0/37 8.5/34 8.5/33 7.5/32 6.0/27 7.5/23 7.8/13 7.5/12 6.6/9 6.6/5 6.7 | 7.0/3 7.0/8 7.4/24 7.4/40

8.7/34 7.8/31 8.1/17

6.8/45 7.4/34 8.1/35 8.1/33 7.1/32 6.2/26 6.8/23 7.6/12 6.8/9 6.7 | 7.1/4 7.3/8 7.1/25 6.5/40

		887.10 ✓		
8				80.9.
+50				82.3.
9				83.3.
T.P.	4.22	890.12 ✓	1.20	885.90 ✓
+50				84.4.
10				86.0.
+45				86.4.
+70	x			86.3.
11	x			85.4.
+50	x			84.1.
12				82.8.
+50				82.8.
13				83.8.
+50				85.3.

9.1/35 8.5/31 8.3/27 7.7/22 7.4/14

5.4/45 6.2/36 8.8/36 7.2/33 6.0/33 5.5/30 6.3/20 6.5/12 6.0/10 6.2

6.6/4 7.0/7 7.0/22 6.8/40

8.4/31 8.0/28 7.4/23 6.3/14

5.0/50 4.8/38 7.7/36 6.6/33 5.5/33 4.2/27 5.0/22 5.1/12 4.6/9 4.8

5.4/5 5.6/7 6.0/19 6.8/27 6.2/31 6.2/40

8.0/30 6.9/28 6.4/22 6.5/13

4.2/45 5.1/39 5.7/36 6.7/36 6.8/34 5.7/33 4.2/27 4.7/13 3.8/9 3.8

4.6/5 4.8/9 5.5/25 5.3/28 5.5/40

3.0/40 3.3/45

4.3/37 7.7/35 8.0/34 6.0/32 4.3/31 3.8/24 5.4/22 5.6/16 5.3/9 5.7/7 5.7

6.4/6 7.6/23 8.1/26 8.0/29 8.2/40

5.7/45 5.3/39 7.5/36 8.2/34 4.2/32 2.8/28 4.5/24 4.7/18 4.2/9 4.1

4.6/11 5.5/20 7.0/26 6.0/33 6.4/40

5.3/45 5.0/38 7.5/36 7.6/34 4.5/31 2.0/27 4.3/24 4.5/17 4.0/9 3.7

4.4/12 5.0/22 6.5/25 5.5/27 4.5/30 +0.4/37 +1.0/42

5.0/45 5.4/37 7.5/36 7.4/34 5.0/32 3.8/28 4.5/24 4.6/18 4.0/9 3.8

4.2/11 4.8/21 6.6/25 6.6/26 5.8/27 4.8/31 4.8/40

5.8/45 5.8/36 7.8/35 7.8/34 5.4/33 5.0/29 5.6/27 5.2/11 4.8/9 4.7

5.0/8 5.7/9 6.2/23 7.5/26 7.5/27 6.3/28 6.0/40 X

N

7.0/45 7.0/36 7.8/36 7.7/33 7.0/32 6.1/26 7.0/15 5.7/9 6.0

6.0/2 6.5/5 7.5/8 7.7/13 6.7/18 8.5/25 7.6/31 7.4/40

7.8/45 7.8/36 8.4/36 8.6/33 7.8/32 7.2/27 8.2/22 8.8/15 7.6/12 7.2/9 7.3

7.3/2 9.2/7 8.7/15 7.5/19 8.7/26 7.8/40

7.3/40 7.8/36 8.6/35 8.4/32 7.7/31 7.8/22 8.5/19 9.0/13 7.8/11 7.3/9 7.3

7.4/2 8.2/4 9.1/8 8.5/14 8.3/40

7.1/45 7.1/36 8.0/34 7.8/33 7.1/32 6.6/28 7.6/23 7.7/15 6.6/11 6.3/8 6.3

6.8/2 7.8/6 8.1/11 7.7/19 8.0/31 8.3/40

5.8/45 5.8/34 6.8/36 7.0/33 6.3/32 5.8/18 4.7/12 4.8

5.4/5 7.0/8 6.8/23 8.2/26 7.4/29 7.6/40

		890.12 ✓			
14		✓		✓	86.6.
T.P.	9.04	898.15	1.03	889.09	
+50				✓	88.8.
B.M.			1.64	896.51	
15					90.7.
+50					92.2.
16					94.9.
+50					
B.M.	8.48	904.99 ✓	1.64	896.51 ✓	
16+50					98.4.
17		✓		✓	01.4.
T.P.	9.06	911.76	2.29	902.70	
+50					04.6.
18		✓		✓	07.1.
T.P.	12.71	921.41	3.06	908.70	
18					
+50					09.3.
+75					10.3.

3.6 4.7 4.6 3.5 3.1 | 4.8 5.5 6.0 6.2
40 35 19 15 9 3.5 | 7 12 26 40

2.7 4.3 5.3 8.2 10.5 10.5 9.5 9.0 9.0 | 10.5 11.1 12.0 13.2 13.8
45 37 37 33 27 19 17 12 2 9.4 | 4 9 14 27 40

Spk. in 15" Oak 40' Lt. 15+10

2.5 2.6 8.6 9.5 7.5 6.5 7.0 7.0 | 9.1 9.4 8.1 8.2 10.2 12.2
45 38 31 23 19 15 10 3 7.5 | 4 8 10 13 27 40

3.5 4.0 8.0 7.8 5.8 4.3 4.7 | 8.5 9.7 11.4 12.7
45 37 32 26 21 14 3 6.0 | 6 11 25 40

2.5 3.5 5.5 5.5 3.7 2.0 2.0 | 7.5 8.4 9.9 11.9 12.3
45 38 34 25 19 14 4 3.3 | 7 11 17 30 40

10.2

6.6 8.2 10.6
12 18 40

6.4 7.4 10.0 9.4 6.8 6.2 6.2 | 10.0
45 37 32 23 18 14 3 6.6 | 5

2.5 5.2 4.7 3.4 3.3 | 7.2 8.6 9.4 10.8 12.0
40 29 21 14 2 3.6 | 7 14 16 32 40

3.0 4.2 6.7 8.1 7.4 7.5 7.7 | 7.3 9.2 10.0 11.4 12.2
40 33 27 20 16 12 5 7.2 | 2 10 17 28 40

4.7 4.5 4.9 | 5.3 5.0 2.2 2.7 3.8 5.0
17 13 3 4.7 | 2 6 9 17 24 40

14.3

6.0 7.0
40 31

1.4 2.0 11.0 12.0 | 12.4 6.0 6.5 8.0
40 31 16 10 12.1 | 4 14 23 40

0.7 1.0 11.0 11.0 | 11.2 4.5 4.7 6.5
40 28 14 10 11.1 | 7 17 20 40

		921.41 ✓			
19					11.3
+50					13.3
T.P.	3.83	918.33 ✓	6.91	914.50 ✓	
+65					13.5
+75					13.6
20					13.6
+35					13.0
+65					12.3
21					12.8
T.P.	9.31	924.02 ✓	3.62	914.71 ✓	
+50					14.4
22					17.0
+50					19.5
T.P.	4.84	928.26 ✓	0.60	923.42 ✓	
23					22.7
+50					24.0

$\frac{0.4}{40}$ $\frac{1.5}{29}$ $\frac{9.5}{15}$ $\frac{9.8}{10}$ 10.1 $\frac{10.1}{4}$ $\frac{8.4}{11}$ $\frac{5.0}{19}$ $\frac{4.7}{25}$ $\frac{6.0}{40}$

$\frac{1.5}{40}$ $\frac{2.0}{35}$ $\frac{5.5}{24}$ $\frac{7.2}{20}$ $\frac{7.5}{16}$ 8.1 $\frac{8.4}{6}$ $\frac{6.5}{10}$ $\frac{6.2}{15}$ $\frac{5.3}{18}$ $\frac{6.0}{28}$ $\frac{7.0}{40}$

$\frac{2.2}{40}$ $\frac{2.8}{33}$ $\frac{3.8}{15}$ $\frac{4.4}{10}$ 4.8 $\frac{5.0}{7}$ $\frac{4.0}{11}$ $\frac{4.3}{18}$ $\frac{5.2}{28}$ $\frac{5.7}{40}$

$\frac{2.2}{40}$ $\frac{3.0}{28}$ $\frac{4.0}{13}$ 4.7 $\frac{6.0}{18}$ $\frac{6.2}{29}$ $\frac{6.6}{40}$

$\frac{2.0}{40}$ $\frac{3.4}{31}$ $\frac{4.5}{27}$ $\frac{4.0}{20}$ $\frac{4.0}{8}$ 4.7 $\frac{5.4}{5}$ $\frac{6.7}{9}$ $\frac{7.4}{17}$ $\frac{8.0}{30}$ $\frac{8.5}{40}$

$\frac{4.6}{40}$ $\frac{5.5}{31}$ $\frac{6.2}{28}$ $\frac{6.0}{24}$ $\frac{4.8}{15}$ $\frac{4.7}{2}$ 5.3 $\frac{6.0}{3}$ $\frac{10.5}{10}$ $\frac{11.7}{16}$ $\frac{13.0}{21}$ $\frac{15.0}{40}$

$\frac{4.0}{40}$ $\frac{5.5}{32}$ $\frac{6.1}{28}$ $\frac{6.0}{20}$ $\frac{4.7}{16}$ $\frac{5.0}{4}$ 6.0 $\frac{8.4}{3}$ $\frac{10.4}{9}$ $\frac{11.5}{15}$ $\frac{13.0}{25}$ $\frac{15.0}{40}$

$\frac{3.0}{40}$ $\frac{4.5}{29}$ $\frac{5.4}{26}$ $\frac{5.2}{19}$ $\frac{4.3}{16}$ $\frac{4.5}{5}$ 5.5 $\frac{6.2}{2}$ $\frac{8.5}{5}$ $\frac{11.1}{16}$ $\frac{11.7}{29}$ $\frac{13.0}{40}$

$\frac{6.6}{40}$ $\frac{7.2}{33}$ $\frac{9.2}{29}$ $\frac{9.6}{22}$ $\frac{9.1}{18}$ $\frac{9.1}{7}$ 9.6 $\frac{10.0}{4}$ $\frac{11.3}{8}$ $\frac{12.2}{16}$ $\frac{12.7}{18}$ $\frac{15.3}{40}$

$\frac{3.6}{40}$ $\frac{4.2}{36}$ $\frac{6.2}{32}$ $\frac{6.5}{21}$ $\frac{7.2}{17}$ $\frac{7.2}{2}$ 7.0 $\frac{7.2}{2}$ $\frac{8.8}{7}$ $\frac{9.4}{14}$ $\frac{11.2}{29}$ $\frac{11.8}{40}$

$\frac{2.6}{45}$ $\frac{3.5}{37}$ $\frac{4.5}{35}$ $\frac{4.2}{20}$ $\frac{5.0}{16}$ $\frac{4.6}{4}$ 4.5 $\frac{4.7}{8}$ $\frac{5.2}{15}$ $\frac{5.4}{28}$ $\frac{5.5}{40}$

$\frac{5.6}{40}$ $\frac{6.3}{26}$ $\frac{5.6}{20}$ $\frac{6.5}{17}$ $\frac{6.0}{5}$ 5.6 $\frac{6.2}{10}$ $\frac{6.2}{17}$ $\frac{5.4}{19}$ $\frac{5.6}{40}$

$\frac{5.3}{40}$ $\frac{4.8}{23}$ $\frac{5.2}{22}$ $\frac{5.0}{8}$ 4.3 $\frac{4.7}{3}$ $\frac{4.7}{23}$ $\frac{4.7}{40}$

	928.26 ✓			
24				24.9.
+50				25.7.
25				26.3.
+50				24.7.
26				23.6.
+10				23.9.
+14				20.7.
+21				22.4.
+37.75	℄ Rice St.		✓	22.2.
B.M.		3.90	924.36	924.36

4.0 3.5 4.0 4.0 3.5 3.8 4.1 4.1
40 18 15 9 6 3.4 4 25 40

N

2.0 2.0 2.6 2.8 3.4 3.8
40 22 15 2.6 4 7 40

1.8 1.5 2.0 2.4 3.2 3.8
40 21 17 2.0 5 12 40

3.5 3.0 3.5 3.2 3.6 3.6 4.1 5.0
40 33 28 22 18 3.6 4 8 40

3.7 4.6 5.2 5.4 4.8 5.0 5.0
40 18 16 9 7 4.7 25 40

4.4 5.0 5.4 5.7 4.7 4.5 5.2 5.2
40 19 17 8 4 4.4 10 15 40

6.7 7.0 8.1 8.5
40 27 7.6 20 40

5.0 5.5 6.8 7.4
40 20 5.9 20 40

5.0 5.6 6.7 7.4
40 20 6.1 20 40

Spk. in 24" Oak N.E. Cor. Rice & Coleman Ave

Plans in hand. Proj. 33-M18

8/1/33

Vail
Carley
Beaton

0+00 -1+00 Gr. 2
2+20 Pl. 24" x 42 P3 Inv. 78.0
3+15 20' Reinf. Rep. at 6+00 Lt
4+00 5+00 Cl. 4 Gr. 7
6+82 20' Reinf.
Check drain. 7+00 West
6+00 Lt. & Rt Pl. 15" x 20 C.M. 5
12+25 Pl. 24" x 36 P3
14+00 Rt. & Lt Pl. 15" x 20 C.M.
14+00 15+00 Cl. 8 Gr. 10
16+00 19+50 Cl. 18 Gr. 23
19+73 Lt Pl. 15" x 20' C.M.
19+81 Rt No. culv. req.
20+25 23+00 Cl. 20 Ft Gr. 20 Ft. Rt 0.13
20+50 23+00 " 10 " " 10 " Lt. 0.06
23+27 Lt. Pl. 15" x 20' C.M.
24+50 Rt No culv. req.
26+ 15" RCP Pl. Extend to 48'