

Book # 40 Dr # 8

X

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

Main't.

Survey

PAVEMENT SAG - RICE ST.

From 1000' SO. OF CO. RD. "G"

Road Acc't. No. 1

Date Filed 5-18-35

File 8

TOPOGRAPHY
RICE ST. CO. RD "G" SO.
SAG

4

3

2

1

0

Mon. Rice & Co. Ed "G"

5
+
3
8

8

North Oaks
Farm

2

$$\begin{array}{r} +53 \text{ Spulway (9'x 12' CM)} \\ 15 \end{array}$$

10

$$\begin{array}{r} +67 \text{ T.P.} \\ 28 \end{array}$$

$$\begin{array}{r} +77 \text{ PP (RM. E. 100.0)} \\ 23 \\ +85 \text{ E+W Fee} \\ 34 \end{array}$$

9

$$\begin{array}{r} \text{Gd. RI} \\ 17 \end{array}$$

$$\begin{array}{r} +92 \text{ Beg Gd RI} \\ 20 \end{array} \quad +82 \text{ Ent 10' Wide}$$

$$\begin{array}{r} +53 \text{ Sp. Way (RM. 9'x12')} \\ 14.5 \end{array}$$

$$\begin{array}{r} +75 \text{ End Gd RI} \\ 20 \end{array}$$

$$\begin{array}{r} +73 \text{ F.C.} \\ 33 \end{array}$$

$$\begin{array}{r} +67 \text{ Gd RI} \\ 17 \end{array}$$

8

$$\begin{array}{r} +95 \text{ T.P.} \\ 28 \end{array}$$

7

$$\begin{array}{r} +93 \text{ Sp. Way (7'x 8' CM)} \\ 15.6 \end{array}$$

$$\begin{array}{r} +82 \text{ T.P.} \\ 28 \end{array}$$

6

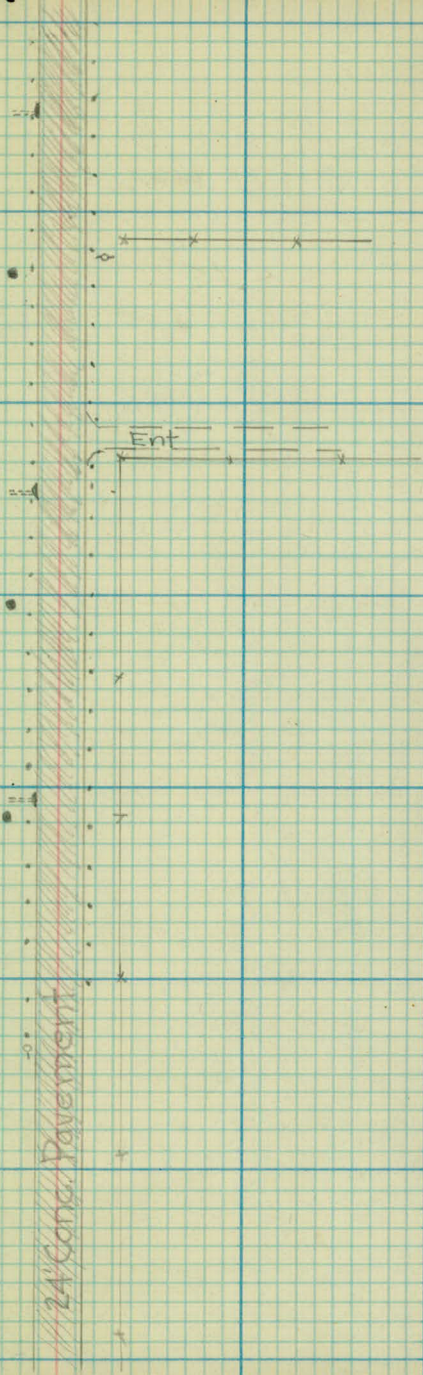
$$\begin{array}{r} \text{Fee} \\ 33 \end{array}$$

$$\begin{array}{r} +97 \text{ Beg Gd RI} \\ 17 \end{array}$$

$$\begin{array}{r} +70 \text{ Beg Gd RI} \\ 17 \end{array}$$

$$\begin{array}{r} +65 \text{ Turn Sign} \\ 17.5 \end{array}$$

5



2

16

$$\begin{array}{r} +96 \text{ P.P.} \\ \hline 19 \end{array}$$

$$\begin{array}{r} +62 \text{ T.P.} \\ \hline 29 \\ +23 \text{ Gd R.I. End } 197 \\ \hline 17 \quad 20 \end{array}$$

15

$$\begin{array}{r} +03 \text{ Spill Way C.M. - 118 long} \\ \hline 13.5 \end{array}$$

$$\begin{array}{r} +53 \text{ Gd R.I. End} \\ \hline 16 \end{array}$$

$$\begin{array}{r} +38 \text{ P.P.} \\ \hline 18 \end{array}$$

$$\begin{array}{r} +19 \text{ T.P.} \\ \hline 27 \end{array}$$

$$\begin{array}{r} +19.5 \text{ End Built up Strip} \\ \hline 12 \quad 12 \end{array}$$

14

$$\begin{array}{r} +92 \text{ Beg Built up Strip} \\ \hline 12 \quad 12 \end{array}$$

13

$$\begin{array}{r} +18 \text{ Spillway (C.M. 9" x 12")} \\ \hline 15 \end{array}$$

$$\begin{array}{r} +88 = 30 \times 66 \text{ Conc Pipe} \\ \hline 32.5 \quad 33.5 \end{array}$$

$$\begin{array}{r} +81 \text{ P.P.} \\ \hline 19 \end{array}$$

$$\begin{array}{r} +83 \text{ T.P.} \\ \hline 27 \end{array}$$

12

$$\begin{array}{r} +62 \text{ Gd R.I.} \\ \hline 17 \end{array}$$

$$\begin{array}{r} +60 \text{ Bail Box} \\ \hline 17 \\ +56 \text{ Gd R.I. Beg} \end{array}$$

$$\begin{array}{r} +34 \text{ T.P.} \\ \hline 28 \end{array}$$

$$\begin{array}{r} +45 \text{ Ent. 12' Wide} \\ \hline 23 \end{array}$$

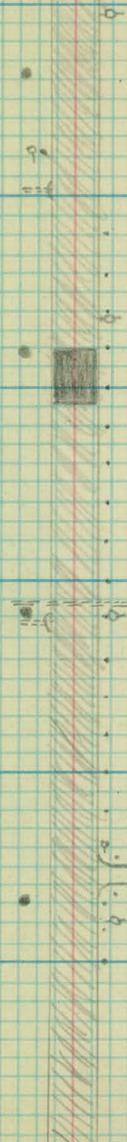
$$\begin{array}{r} +35 \text{ End Gd R.I.} \\ \hline 24 \end{array}$$

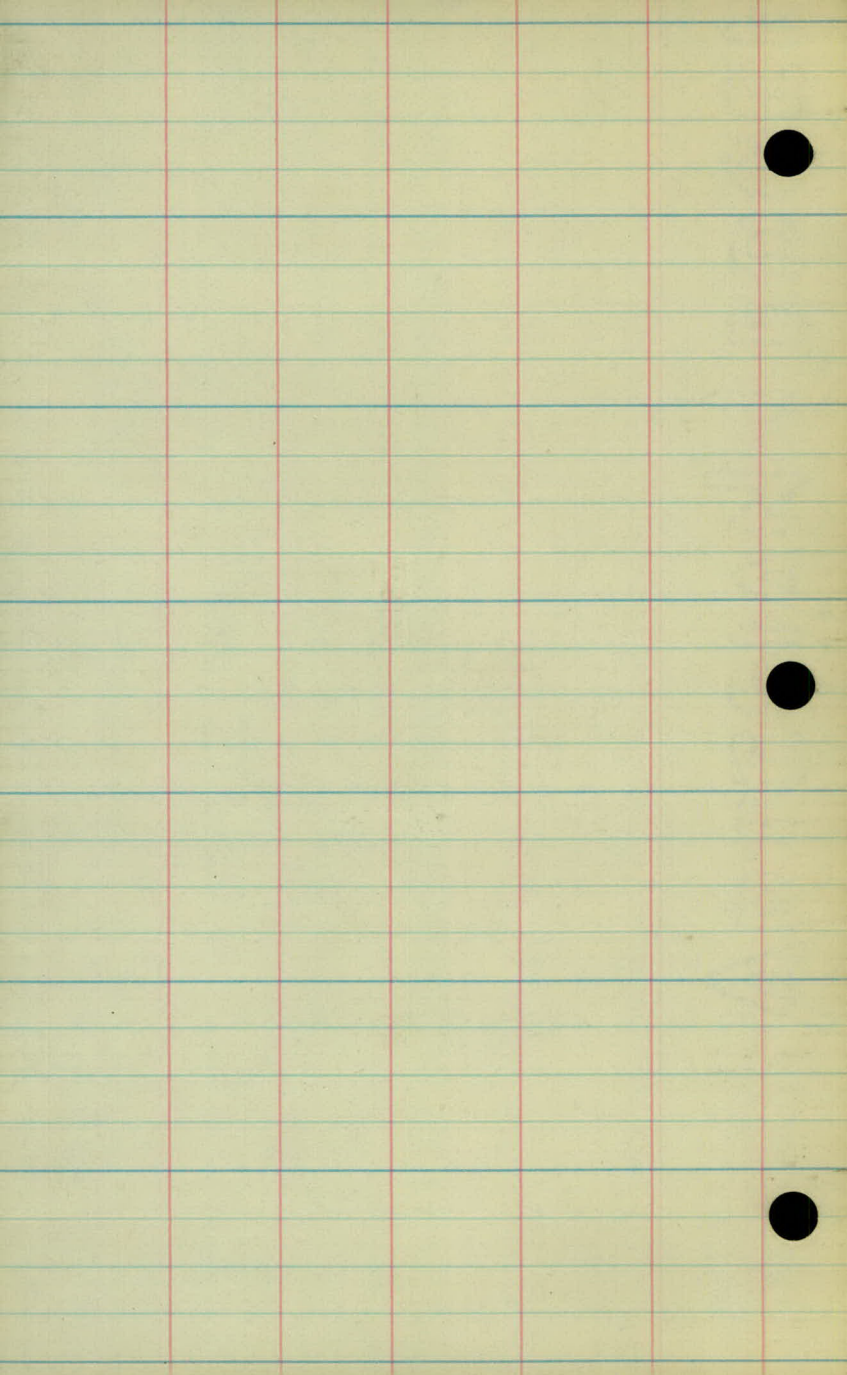
$$\begin{array}{r} +21 \end{array}$$

$$\begin{array}{r} +21 \text{ P.P.} \\ \hline 21 \end{array}$$

$$\begin{array}{r} +30 \text{ Gd R.I.} \\ \hline 17 \end{array}$$

11





May 9-35

- Rice St -

- Sag -

Sta. 0+00 - Mont Co. Rd. G + Rice St.

+ H.I - EIV.

B.M 9⁷⁰ 109⁷⁰ 100⁰⁰

09.67

4+00

+50

09.08

5+00

08.25

+50

07.40

6+0

06.22

6+25

05.58

+50

04.97

+75

04.30

7+00

03.73

+25

03.15

T.P.

096

✓
104⁰⁸

6.58

✓
103.12

- 2 -

- P -

09.54

P. P. 10 23 Rt Sta 9+77

09.6

$\frac{0.16}{12}$

0 $\frac{03}{-}$

$\frac{0.10}{12}$

09.02

08.96

$\frac{0.68}{12}$

0 $\frac{62}{-}$

$\frac{0.74}{12}$

08.19

09.13

$\frac{1.51}{12}$

1 $\frac{45}{-}$

$\frac{1.57}{12}$

07.30

07.27

$\frac{2.40}{12}$

2 $\frac{30}{-}$

$\frac{2.43}{12}$

75.5

06.14

06.12

$\frac{142}{50}$

$\frac{124}{35}$

$\frac{44}{23}$

$\frac{356}{12}$

3 $\frac{48}{-}$

$\frac{358}{12}$

$\frac{37}{17}$

$\frac{62}{24}$

$\frac{62}{34}$

94.7

05.44

05.49

$\frac{150}{50}$

$\frac{140}{34}$

$\frac{50}{21}$

$\frac{426}{12}$

4 $\frac{12}{-}$

$\frac{421}{12}$

$\frac{45}{19}$

$\frac{104}{30}$

$\frac{104}{35}$

94.5

04.79

04.82

$\frac{152}{50}$

$\frac{142}{34}$

$\frac{55}{20}$

$\frac{491}{12}$

4 $\frac{73}{-}$

$\frac{488}{12}$

$\frac{52}{17}$

$\frac{123}{30}$

$\frac{125}{37}$

94.5

04.09

04.16

$\frac{152}{50}$

$\frac{142}{32}$

$\frac{62}{20}$

$\frac{561}{12}$

5 $\frac{40}{-}$

$\frac{554}{12}$

$\frac{64}{20}$

$\frac{135}{31}$

$\frac{145}{36}$

94.2

03.47

03.60

$\frac{155}{50}$

$\frac{140}{32}$

$\frac{65}{19}$

$\frac{623}{12}$

5 $\frac{97}{-}$

$\frac{610}{12}$

$\frac{68}{19}$

$\frac{128}{28}$

$\frac{142}{35}$

93.7

02.81

03.04

$\frac{160}{50}$

$\frac{150}{33}$

$\frac{75}{20}$

$\frac{689}{12}$

6 $\frac{55}{-}$

$\frac{666}{12}$

$\frac{68}{18}$

$\frac{147}{32}$

$\frac{152}{37}$

+ H.1 ✓ - EIV
104⁰⁸

7+50

02.57

+75

01.95

8+00

01.40

+25

00.93

+50

00.54

+75

00.33

9

00.23

+25

00.29

+50

00.37

+75

00.36

10

00.44

+25

00.46

-L-

R

93.2

02.07

02.43

$\frac{108}{50}$	$\frac{100}{32}$	$\frac{31}{20}$	$\frac{201}{12}$	$\frac{157}{5}$	$\frac{151}{5}$	$\frac{165}{12}$	$\frac{20}{19}$	$\frac{93}{31}$	$\frac{98}{35}$
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93.4

00.98

01.81

$\frac{107}{50}$	$\frac{111}{34}$	$\frac{40}{26}$	$\frac{310}{12}$	$\frac{219}{55}$	$\frac{213}{55}$	$\frac{227}{12}$	$\frac{25}{18}$	$\frac{91}{30}$	$\frac{100}{35}$
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00.17

01.24

$\frac{118}{93.738}$	$\frac{105}{31}$	$\frac{67}{26}$	$\frac{47}{18}$	$\frac{391}{12}$	$\frac{290}{55}$	$\frac{268}{55}$	$\frac{284}{12}$	$\frac{31}{20}$	$\frac{106}{32}$	$\frac{105}{35}$
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 $\frac{108}{50}$

93.0

99.77

00.82

$\frac{111}{50}$	$\frac{111}{31}$	$\frac{67}{25}$	$\frac{47}{17}$	$\frac{431}{12}$	$\frac{350}{4}$	$\frac{315}{4}$	$\frac{326}{12}$	$\frac{36}{20}$	$\frac{104}{33}$	$\frac{104}{38}$
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93.1

99.53

00.46

$\frac{110}{50}$	$\frac{105}{29}$	$\frac{63}{23}$	$\frac{46}{17}$	$\frac{455}{12}$	$\frac{355}{2.5}$	$\frac{354}{2.5}$	$\frac{362}{12}$	$\frac{39}{21}$	$\frac{104}{33}$	$\frac{104}{38}$
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93.0

99.46

00.23

$\frac{11.1}{50}$	$\frac{10.5}{28}$	$\frac{5.8}{22}$	$\frac{47}{17}$	$\frac{462}{12}$	$\frac{3.77}{2.6}$	$\frac{375}{2.6}$	$\frac{385}{12}$	$\frac{40}{20}$	$\frac{82}{30}$	$\frac{98}{36}$
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92.7

99.43

00.11

$\frac{11.4}{50}$	$\frac{9.7}{26}$	$\frac{4.7}{17}$	$\frac{465}{12}$	$\frac{3.85}{2.5}$	$\frac{3.85}{2.5}$	$\frac{3.77}{12}$	$\frac{4.6}{21}$	$\frac{9.4}{31}$	$\frac{10.4}{50}$
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93.0

99.43

00.11

$\frac{11.1}{50}$	$\frac{10.7}{29}$	$\frac{5.0}{19}$	$\frac{4.65}{12}$	$\frac{3.77}{2.6}$	$\frac{3.77}{2.6}$	$\frac{4.3}{21}$	$\frac{10.6}{33}$	$\frac{10.6}{50}$
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92.7

99.66

00.19

$\frac{11.4}{50}$	$\frac{10.4}{29}$	$\frac{5.6}{19}$	$\frac{4.42}{12}$	$\frac{3.71}{1.4}$	$\frac{3.71}{1.4}$	$\frac{3.89}{12}$	$\frac{4.4}{21}$	$\frac{9.6}{31}$	$\frac{10.6}{50}$
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92.8

99.84

00.23

$\frac{11.3}{50}$	$\frac{11.3}{33}$	$\frac{5.0}{18}$	$\frac{4.24}{12}$	$\frac{3.73}{2.3}$	$\frac{3.72}{2.3}$	$\frac{3.85}{12}$	$\frac{4.5}{20}$	$\frac{10.6}{34-50}$
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92.6

99.91

00.27

$\frac{11.5}{50}$	$\frac{11.1}{33}$	$\frac{4.9}{18}$	$\frac{4.17}{12}$	$\frac{3.63}{1.5}$	$\frac{3.64}{1.5}$	$\frac{3.81}{12}$	$\frac{4.6}{19}$	$\frac{10.0}{30}$	$\frac{10.6}{50}$
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92.5

99.96

00.28

$\frac{11.6}{50}$	$\frac{11.2}{33}$	$\frac{5.3}{19}$	$\frac{4.12}{12}$	$\frac{3.61}{2.3}$	$\frac{3.62}{2.3}$	$\frac{3.80}{12}$	$\frac{4.4}{17}$	$\frac{10.4}{30}$	$\frac{10.8}{50}$
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+ H1 ✓ E1
104.08

10+50 00.48

+75 00.52

11 00.54

+25 00.74

+50 F.E. Rt. 00.83

+75 01.02

12 01.31

+25 01.70

+50 02.15

B.M. 409 99.99 ✓

① 10.35 112.11 ✓ 2.32 101.76 ✓

+75 02.71

+88 X Culv # 1-72-30" X Conc Pipe 03.03

L

R

99.91

00.21

$\frac{11.5}{50}$	$\frac{11.4}{31}$	$\frac{5.4}{20}$	$\frac{4.17}{12}$	$\frac{3.60}{2.0}$	3.60	$\frac{3.87}{12}$	$\frac{4.9}{19}$	$\frac{10.7}{31}$	$\frac{10.8}{50}$
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99.81

3.6 00.18

$\frac{11.8}{50}$	$\frac{11.7}{34}$	$\frac{4.8}{17}$	$\frac{4.27}{12}$	$\frac{3.70}{4.0}$	3.56	$\frac{3.90}{12}$	$\frac{4.3}{17}$	$\frac{9.4}{29}$	$\frac{11.0}{50}$
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99.86

3.5 00.23

L.O.	$\frac{11.8}{36}$	$\frac{11.2}{32}$	$\frac{4.8}{17}$	$\frac{4.22}{12}$	$\frac{3.52}{2.8}$	3.54	$\frac{3.85}{12}$	$\frac{4.7}{17}$	$\frac{9.6}{27}$	$\frac{11.2}{36}$	L.O.
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100.00

3.3 00.30

$\frac{11.4}{38}$	$\frac{10.4}{30}$	$\frac{4.4}{17}$	$\frac{4.08}{12}$	$\frac{3.51}{5.4}$	3.34	$\frac{3.78}{12}$	$\frac{4.7}{18}$	$\frac{10.0}{29}$	$\frac{11.3}{38}$	L.O.
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00.12

00.38

L.O.	$\frac{11.6}{36}$	$\frac{11.0}{31}$	$\frac{4.2}{18}$	$\frac{3.96}{12}$	$\frac{3.25}{3.0}$	3.25	$\frac{3.73}{12}$	$\frac{4.8}{21}$	$\frac{6.4}{39}$
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00.48

00.56

$\frac{4.4}{21}$	$\frac{3.60}{12}$	$\frac{3.00}{1.6}$	3.02	$\frac{3.52}{12}$	$\frac{4.2}{17}$
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00.75

00.81

$\frac{3.33}{12}$	$\frac{2.75}{2.0}$	2.77	$\frac{3.27}{12}$	$\frac{3.5}{17}$
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01.04

01.20

$\frac{4.1}{21}$	$\frac{3.04}{12}$	$\frac{2.38}{1.8}$	2.38	$\frac{2.88}{12}$	$\frac{3.4}{19}$
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01.51

01.63

$\frac{12.2}{41}$	$\frac{6.6}{20}$	$\frac{3.2}{18}$	$\frac{2.57}{12}$	$\frac{7.93}{1.8}$	1.93	$\frac{2.45}{12}$	$\frac{3.00}{19}$	$\frac{8.5}{27}$	$\frac{10.3}{37}$	L.O.
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Top Conc on G.M. Spillway 12+77 Lt.

02.09

02.29

$\frac{11.1}{21}$	$\frac{10.02}{12}$	9.40	$\frac{9.33}{1.6}$	$\frac{9.82}{12}$	$\frac{10.2}{18}$
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Culv End Sunk

F.L. 21.8

9.08

F.L. 19.4

+

H1.

-

E1.

112.11

0

10.32

112.08

10.35

101.76

13

03.33

+25

04.08

+50

04.86

+75

05.70

14

06.63

+25

07.30

+50

08.08

+75

08.84

15

09.58

+25

10.31

+50

11.08

L

R

02.55

8.9

03.00

 $\frac{11.0}{23}$ $\frac{9.53}{12}$ $\frac{8.75}{12}$ $\frac{8.65}{1.6}$ $\frac{9.08}{12}$ $\frac{9.6}{19}$

03.08

03.78

 $\frac{10.0}{19}$ $\frac{9.00}{12}$ $\frac{8.00}{12}$ $\frac{7.86}{2.0}$ $\frac{8.30}{12}$ $\frac{8.4}{18}$

04.00

7.2

04.58

 $\frac{20.8}{44}$ $\frac{17.8}{35}$ $\frac{9.3}{19}$ $\frac{8.08}{12}$ $\frac{7.22}{12}$ $\frac{7.07}{2.0}$ $\frac{7.50}{12}$ $\frac{7.7}{18}$ $\frac{17.2}{37}$ $\frac{18.7}{45}$

04.58

6.4

05.42

 $\frac{8.2}{20}$ $\frac{7.1}{12}$ $\frac{6.38}{12}$ $\frac{6.30}{2}$ $\frac{6.66}{12}$ $\frac{7.1}{20}$

06.06

5.4

06.44

 $\frac{6.9}{20}$ $\frac{6.02}{12}$ $\frac{5.45}{12}$ $\frac{5.62}{12}$ $\frac{6.05}{19}$

07.00

4.8

07.20

 $\frac{5.8}{19}$ $\frac{5.08}{12}$ $\frac{4.78}{12}$ $\frac{4.88}{12}$ $\frac{5.5}{19}$

07.80

07.58

 $\frac{16.4}{45}$ $\frac{15.8}{38}$ $\frac{5.0}{19}$ $\frac{4.28}{12}$ $\frac{4.00}{12}$ $\frac{4.16}{12}$ $\frac{4.2}{18}$ $\frac{6.6}{28}$ $\frac{9.4}{41}$

08.61

3.2

08.75

 $\frac{3.8}{17}$ $\frac{3.47}{12}$ $\frac{3.24}{12}$ $\frac{3.33}{12}$ $\frac{3.6}{19}$ $\frac{6.6}{24}$ $\frac{6.4}{31}$ $\frac{5.0}{36}$

09.45

09.52

 $\frac{2.8}{21}$ $\frac{2.63}{12}$ $\frac{2.50}{12}$ $\frac{2.56}{12}$ $\frac{2.7}{16}$

10.24

1.5

10.25

 $\frac{5.7}{35}$ $\frac{7.7}{32}$ $\frac{7.5}{28}$ $\frac{1.9}{18}$ $\frac{1.84}{12}$ $\frac{1.77}{12}$ $\frac{1.83}{12}$ $\frac{1.9}{16}$

Power Hl.

11.02

10.96

 $\frac{40.6}{30}$ $\frac{3.7}{25}$ $\frac{4.0}{21}$ $\frac{1.3}{17}$ $\frac{1.06}{12}$ $\frac{1.00}{12}$ $\frac{1.12}{12}$ $\frac{1.2}{17}$ $\frac{2.7}{22}$ $\frac{0.0}{28}$

+ H.I. - E

112.08

15+75

111.75

3.93

✓
108.15

11.63

11.63

 $\frac{2.7}{24}$ $\frac{0.7}{17}$ $\frac{0.45}{12}$

0.33

 $\frac{0.45}{12}$ $\frac{0.6}{17}$

SpKin PP20 Rt. Sta. 14+40

