

Book #13, Dr. 14

X

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

_____ Plan _____ Survey

_____ WHITE BEAR AVENUE. _____

From _____ 4TH St. _____ To No. City Limits. _____

Road Acc't. No. _____

Date Filed 5-11-35 _____

File 14 _____

1-4
4/26-35

HTP
D.N.S.
D.S.
J.B.

TOPOGRAPHY
White Bear Ave.
White Bear Village
Proposed Surfacing Ents. & Intersections

Purcell

E

+95.2 End R
+75.3 Beq R.

5

+82.2 End R
+61.8 Beq R.

{ +63.2 End R
{ +43.2 Beq R

4

+86.7 End Str R
+71.7 Beq Str R.

+86.7 End Str R
+71.7 Beq Str R
+45.8 End Str R.
+30.8 Beq Str R

+45.8 End Str R
+30.8 Beq Str R, -7.31 O.S.Lt.

3

+29.8 CB.

+29.8 CB

{ +49.2 End R.
{ +29.4 Beq R

+50.2 End R
+29.8 Beq R

2

Corb
 $\frac{18-18}{18-18}$

{ +67.2 End R.
{ +47.4 Beq R.

+93.3 End R
+75.3 Beq R

{ +24.2 End Rad
{ +04.2 Beq Rad

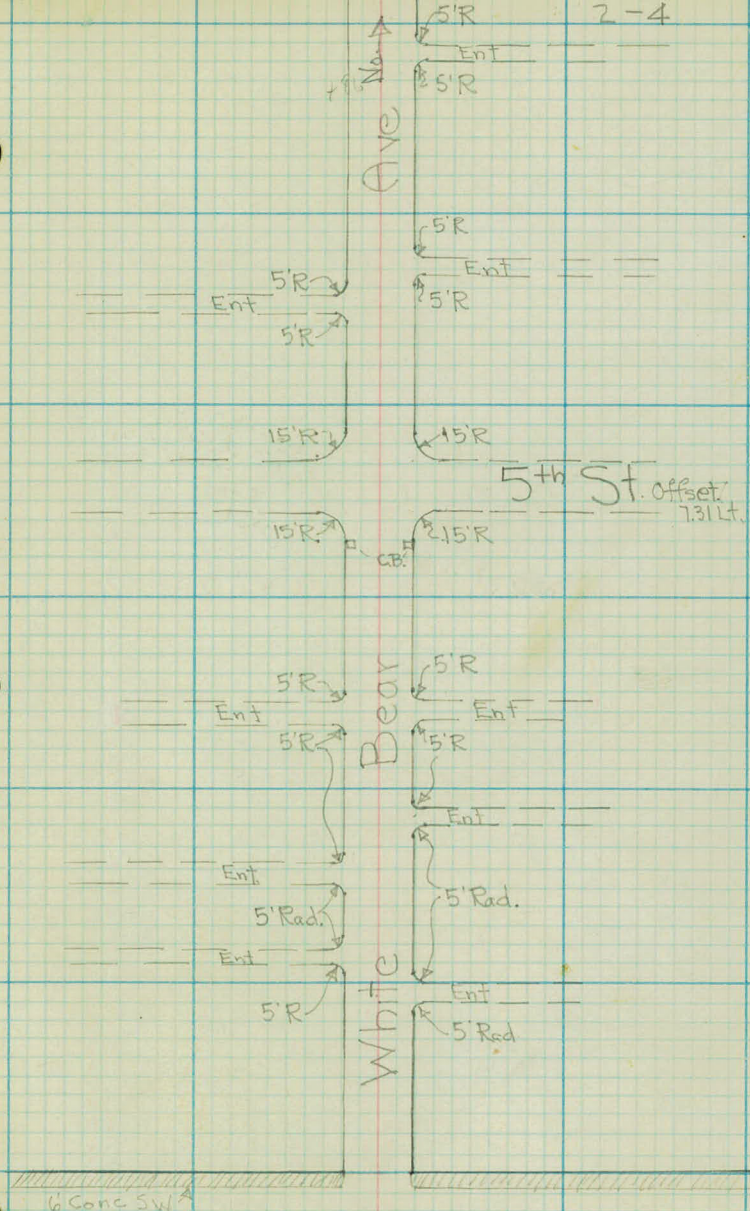
+05.1 End Rad

1

+85.1 Beq Rad

0+00

Corb
 $\frac{18-18}{18-18}$
No. SW Line 4th St.



13

+ 30 End 10.0 R

≠

Ent. to Fair Grds.

$$+ 88.2 \text{ End SW}$$

$$+ 81.4 \text{ Beg R-6.8'}$$

$$\frac{\text{Corp}}{18-18}$$

12

+ 03.7 End Str. R

11

$$+ 22 \text{ Beg 4.5 (conc SW)}$$

$$+ 29 \text{ C.B.}$$

+ 88.7 Beg Str. R

$$+ 62.5 \text{ End Str. R}$$

$$+ 47.5 \text{ Beg Str. R}$$

$$\{ + 26.7 \text{ End R}$$

$$\{ + 06.8 \text{ Beg R}$$

+ 29 C.B.

10

$$+ 00.7 \text{ End 5' R}$$

$$+ 65.2 \text{ Beg 5' R.}$$

Double Dr. Way

9

+ 65.2 Beg R-5'

8

+ 44 End Str. R

+ 29 Beg Str. R

$$\{ + 39.1 \text{ End R}$$

$$\{ + 18.5 \text{ Beg R}$$

+ 03.4 End Str. R

7

+ 88.4 Beg Str. R

6

Ent. to High Sch.

6.8 R

4.5' conc. cur.

Ave

15' R

7th St.

15' R

5' R

Ent.

5' R

Bear

5' R

Double Ent.

5' R

White

5' R

Ent.

5' R

15' R

6th St.

15' R

2

+81 End Curb $\frac{+82.3}{Fce}$

$\frac{+69.3}{23}$ End Curb
+64.3 Beg R

16

$\frac{Curb}{18-18}$

+87 End R.
+79 P.I.
+66 P.I.
+59 Beg Odd R.

15

+71 C.B.

+71 C.B.
+69.0 End Str. R.
+54.0 Beg Str R.

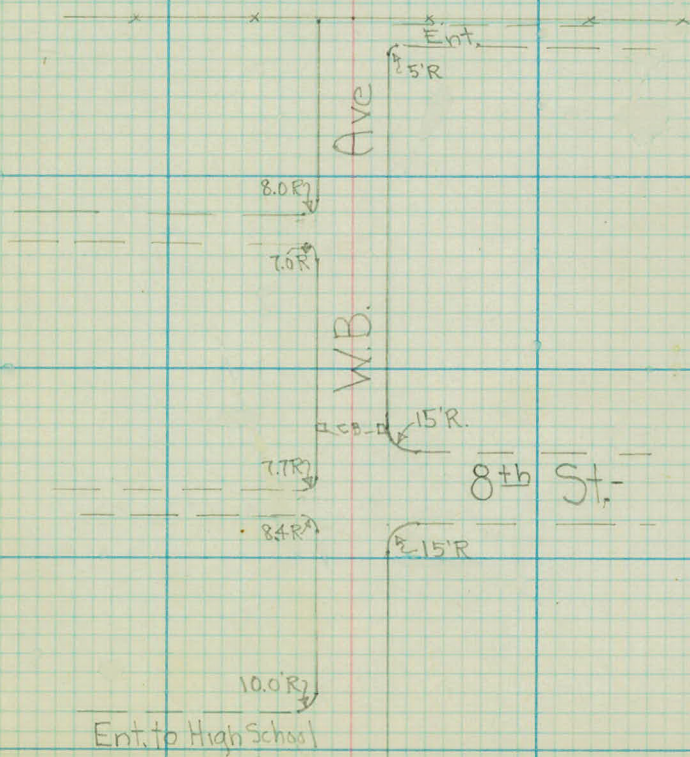
Ent Fr. Grds

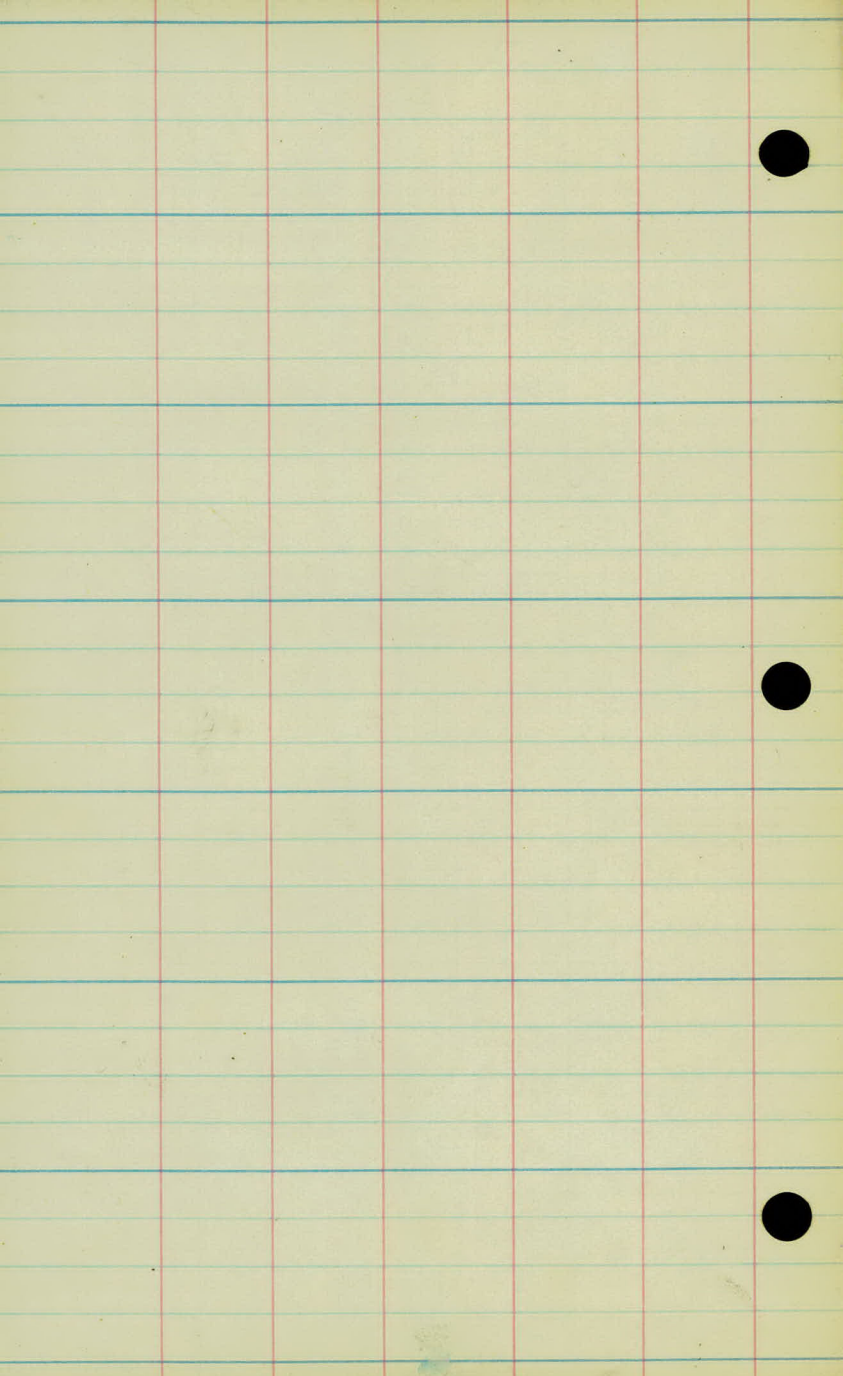
(+42.9 End Odd R.
+35.2 P.I. Beg
+22.4 P.I. End
+14 Beg Odd R)

+18.3 End Str. R.
+03.3 Beg Str R.

14

13





4/29/35 Cloudy-Cool

H.T.P.
D.N.S.
D.S.
J.B.

X-Sections Driveways
and Street Intersections
(Proposed Hard-Surfacing
White Bear Ave. in.
White Bear Village

Sta.

π (Note, Hand Level)
 $5.4 - 0.0$ used. H.I. = 5.4

$0 + 95.1 = 0 + 00$ Ent. R + 18'

0

+02.5

+05 End Curb R/L

+10

+15

+20

$1 + 14.2 = 0 + 00$ Ent. L + 18'

0

+05 End Curb R/L

+10

+20

Lt.

Rt.

$$\frac{5.4}{10} \quad 5.4 \quad \frac{5.3}{10}$$

$$\begin{array}{ccccc} \text{Corb} & & & & \text{Corb} \\ \frac{4.6}{6} & \frac{5.2}{6} & 5.2 & \frac{5.2}{6} & \frac{4.6}{6} \end{array}$$

$$\begin{array}{ccccc} \text{Corb} & & & & \text{Top Corb} \\ \frac{4.6}{5} & \frac{4.8}{5} & 4.8 & \frac{4.8}{5} & \frac{4.6}{5} \end{array}$$

$$\frac{4.6}{15} \quad 4.5 \quad \frac{4.5}{15}$$

$$\frac{4.5}{15} \quad \frac{4.3}{6} \quad 4.2 \quad .3 \quad \frac{4.0}{10} \quad \frac{4.1}{15}$$

$$\frac{4.9}{15} \quad \frac{4.7}{8} \quad 4.6 \quad \frac{4.5}{6} \quad \frac{4.1}{15}$$

Lt.

Rt.

$$\frac{5.3}{10} \quad 5.4 \quad \frac{5.6}{10}$$

$$\begin{array}{ccccc} \text{T.C.} & & & & \text{T.C.} \\ \frac{4.7}{5} & \frac{4.9}{5} & 4.8 & \frac{5.0}{5} & \frac{4.8}{5} \end{array}$$

$$\frac{4.4}{15} \quad 4.6 \quad \frac{4.8}{15}$$

$$\frac{4.7}{15} \quad 4.8 \quad \frac{5.0}{15}$$

Sta

π

$$5.4 = 0.0$$

1+57.4 0+00 Ent 18' W

0

+05 End Curb R/L

+10

+20

1+84.3 = 0+00 Ent 18' Rt

0

+05 End Curb R/L

+20

2+40.1 = 0+00 Ent 18' Rt

0

+05 End Curb R/L

+20

Lt.

Rt.

$$\frac{5.4}{10} \quad 5.4 \quad \frac{5.5}{10}$$

$$\begin{array}{c} \text{T.C.} \\ \frac{4.6}{5} \end{array} \quad \frac{4.8}{5} \quad 4.9 \quad \frac{5.0}{5} \quad \begin{array}{c} \text{T.C.} \\ \frac{4.8}{5} \end{array}$$

$$\frac{4.5}{15} \quad 4.6 \quad \frac{4.9}{15}$$

$$\frac{4.7}{15} \quad 4.6 \quad \frac{5.3}{15}$$

$$\frac{5.4}{9} \quad 5.4 \quad \frac{5.2}{9}$$

$$\begin{array}{c} \text{T.C.} \\ \frac{4.7}{4} \end{array} \quad \frac{4.9}{4} \quad 4.8 \quad \frac{4.8}{4} \quad \begin{array}{c} \text{T.C.} \\ \frac{4.6}{4} \end{array}$$

$$\frac{4.6}{13} \quad 4.8 \quad \frac{4.9}{15}$$

$$\frac{5.5}{10} \quad 5.4 \quad \frac{5.3}{10}$$

$$\begin{array}{c} \text{T.C.} \\ \frac{4.8}{5} \end{array} \quad \frac{4.9}{5} \quad 4.8 \quad \frac{4.8}{5} \quad \begin{array}{c} \text{T.C.} \\ \frac{4.6}{5} \end{array} \quad 4.9$$

$$\frac{4.8}{15} \quad 4.6 \quad \frac{4.5}{15}$$

Sta

π

$$5.4 = 0.0$$

$$2+39.4 = 0+00 \text{ Ent 18' Lt}$$

0

+05 End Curb R/L

+10

+20

$$3+59.2 = 0+00 \text{ \& 5th St Lt}$$

0

+03 End Pavement

+11 End Curb Lt

+18 End Curb Rt

+25

$$3+59.0 = 0+00 \text{ \& 5th RA.}$$

+03 End Pavement

+11 End Curb Lt

Lt.

Rt.

4-8

$$\frac{5.3}{10} \quad 5.4 \quad \frac{5.5}{10}$$

$$\begin{array}{c} T.C. \\ \frac{4.6}{5} \end{array} \quad \frac{4.8}{5} \quad 4.9 \quad \frac{4.9}{5} \quad \begin{array}{c} T.C. \\ \frac{4.8}{5} \end{array}$$

$$\frac{4.4}{15} \quad 4.6 \quad \frac{4.8}{15}$$

$$\frac{4.8}{15} \quad 4.8 \quad \frac{4.9}{15}$$

$$\frac{5.3}{28} \quad 5.4 \quad \frac{5.2}{28.9}$$

$$\begin{array}{c} T.C. \\ \frac{4.6}{16} \end{array} \quad \frac{5.2}{16} \quad 5.1 \quad \frac{5.3}{21} \quad \begin{array}{c} T.C. \\ \frac{4.6}{21} \end{array}$$

$$\begin{array}{c} T.C. \\ \frac{4.6}{12} \end{array} \quad \frac{5.0}{12} \quad 4.8 \quad \frac{5.1}{15} \quad \begin{array}{c} T.C. \\ \frac{4.6}{15} \end{array}$$

$$\frac{4.3}{19} \quad \frac{4.9}{13} \quad 4.7 \quad \frac{5.1}{13} \quad \begin{array}{c} T.C. \\ \frac{4.6}{13} \end{array}$$

$$\frac{4.3}{25} \quad \frac{4.1}{18} \quad \frac{4.9}{13} \quad 4.5 \quad \frac{5.0}{13} \quad \frac{4.3}{16} \quad \frac{4.3}{20}$$

$$\frac{5.2}{28} \quad 5.4 \quad \frac{5.3}{28}$$

$$\begin{array}{c} T.P. \\ \frac{4.6}{16} \end{array} \quad \frac{5.3}{16} \quad 5.3 \quad \frac{5.4}{22} \quad \begin{array}{c} T.C. \\ \frac{4.6}{22} \end{array}$$

$$\frac{4.6}{12} \quad \frac{5.1}{12} \quad 4.9 \quad \frac{5.1}{16} \quad \begin{array}{c} T.C. \\ \frac{4.6}{16} \end{array}$$

Sta

π

$$5.4 = 0.0$$

+19 End Curb Rt

+27 Beg Gutter Rt Inlet

4+53.2 = 0+00 Ent 18' Lt

0

+05 End Curb R/L

+20

4+72.0 = 0+00 Ent 18' Rt.

0

+05 End Curb R/L

+20

5+85.3 = 0+00 18' Rt Ent.

0+00

+05 End Curb R/L

+10

+20

Lt.

Rt.

$$\frac{4.9}{13} \frac{5.2}{13} 4.8 \frac{5.2}{13} \overset{TC.}{\frac{4.6}{13}}$$

$$\frac{4.5}{22} \frac{4.9}{16} \frac{5.2}{14} 4.7 \frac{5.2}{12} \overset{\downarrow H}{\frac{6.1}{15}} \frac{4.8}{18} \frac{4.7}{22}$$

$$\frac{5.4}{10} 5.4 \frac{5.4}{10} L$$

$$\overset{TC.}{\frac{4.6}{5}} \frac{4.9}{5} 5.0 \frac{4.9}{5} \overset{TC.}{\frac{4.6}{5}}$$

$$\frac{4.9}{15} 4.9 \frac{5.2}{15}$$

$$\frac{5.3}{10} 5.4 \frac{5.3}{10}$$

$$\overset{TC.}{\frac{4.6}{5}} \frac{4.8}{5} 4.7 \frac{4.9}{5} \overset{TC.}{\frac{4.6}{5}}$$

$$\frac{5.1}{15} 4.4 \frac{4.2}{15}$$

$$\frac{5.4}{10} 5.4 \frac{5.4}{10}$$

$$\frac{4.7}{5} \frac{4.8}{5} 4.8 \frac{4.9}{5} \overset{TC.}{\frac{4.7}{5}}$$

$$\frac{4.3}{15} 4.1 \frac{4.1}{15}$$

$$\frac{3.7}{15} 3.8 \frac{3.8}{15}$$

Sta

Δ

$$5.4 = 0.0$$

$$7+16.4 = 0+00 \text{ \& 6}^{th} \text{ St Lt,}$$

0+00

0+03 End Pavement

0+15 End Curbs R/L

0+25

$$7+28.8 = 0+00 \text{ Ent 18' Lt.}$$

0+00

+05 End Curb R/L

+20

$$8+83.0 = 0+00 \text{ Double Ent 18' Lt.}$$

7.75

+05 End Curbs R/L

+20

$$10+17.1 = 0+00 \text{ Ent 18' Lt}$$

Lt.

Rt.

$$\frac{5.3}{28} \quad 5.4 \quad \frac{5.4}{28}$$

$$\begin{array}{l} \text{T.C.} \\ \frac{4.6}{14} \end{array} \quad \frac{5.3}{19} \quad 5.2 \quad \frac{5.4}{19} \quad \begin{array}{l} \text{T.C.} \\ \frac{4.6}{19} \end{array}$$

$$\begin{array}{l} \text{T.C.} \\ \frac{4.6}{13} \end{array} \quad \frac{4.9}{13} \quad 4.7 \quad \frac{5.0}{13} \quad \begin{array}{l} \text{T.C.} \\ \frac{4.6}{13} \end{array}$$

$$\frac{4.4}{20} \quad \frac{5.1}{17} \quad \frac{4.7}{12} \quad 4.6 \quad \frac{4.7}{10} \quad \frac{3.8}{16} \quad \frac{3.7}{20}$$

$$\frac{5.3}{10} \quad 5.4 \quad \frac{5.3}{10}$$

$$\begin{array}{l} \text{T.C.} \\ \frac{4.5}{5} \end{array} \quad \frac{4.7}{5} \quad 4.7 \quad \frac{4.6}{5} \quad \begin{array}{l} \text{T.C.} \\ \frac{4.4}{5} \end{array}$$

$$\frac{4.5}{15} \quad 4.4 \quad \frac{4.5}{15}$$

$$\frac{5.4}{18} \quad 5.4 \quad \frac{5.3}{18}$$

$$\begin{array}{l} \text{T.C.} \\ \frac{4.6}{12.5} \end{array} \quad \frac{4.8}{12.5} \quad 4.8 \quad \frac{4.7}{12.5} \quad \begin{array}{l} \text{T.C.} \\ \frac{4.6}{12.5} \end{array}$$

$$\frac{4.8}{15} \quad 4.6 \quad \frac{4.6}{15}$$

$$\frac{5.4}{10} \quad 5.4 \quad \frac{5.3}{10}$$

Sta

π

+0.5 End Curb R/L $5.4 = 0.0$

+20

10+75.7 = 0+00 $\pm 7^{th}$ St. Rt.

0

0+03 End Pavement

+15 End Curb R/L

+25

13+05.7 = 0+00 Ent to School 18' Lt.

0

0+03 End Pavement

+07 End Curb Lt

+10 End Curb Rt.

+20

14+36.2 0+00 $\pm 8^{th}$ St.

L+

R+ 7-8

$$\begin{array}{r} \text{T.C.} \\ 4.6 \\ \hline 5 \end{array} \quad \begin{array}{r} 4.9 \\ \hline 5 \end{array} \quad 4.8 \quad \begin{array}{r} 4.8 \\ \hline 5 \end{array} \quad \begin{array}{r} \text{T.C.} \\ 4.6 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 4.7 \\ \hline 15 \end{array} \quad 5.2 \quad \begin{array}{r} 4.8 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 5.4 \\ \hline 28 \end{array} \quad 5.4 \quad \begin{array}{r} 5.4 \\ \hline 28 \end{array}$$

$$\begin{array}{r} \text{T.C.} \\ 4.7 \\ \hline 18.5 \end{array} \quad \begin{array}{r} 5.4 \\ \hline 18.5 \end{array} \quad 5.2 \quad \begin{array}{r} \text{T.C.} \\ 5.4 \\ \hline 18.5 \end{array} \quad \begin{array}{r} 4.7 \\ \hline 18.5 \end{array}$$

$$\begin{array}{r} \text{T.C.} \\ 4.7 \\ \hline 13 \end{array} \quad \begin{array}{r} 5.2 \\ \hline 13 \end{array} \quad 4.9 \quad \begin{array}{r} 5.2 \\ \hline 13 \end{array} \quad \begin{array}{r} \text{T.C.} \\ 4.7 \\ \hline 13 \end{array}$$

$$\text{SWR} \quad \begin{array}{r} 4.7 \\ \hline 20 \end{array} \quad \begin{array}{r} 5.2 \\ \hline 12 \end{array} \quad 4.7 \quad \begin{array}{r} 5.3 \\ \hline 15 \end{array} \quad \begin{array}{r} 4.7 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 5.4 \\ \hline 24 \end{array} \quad 5.4 \quad \begin{array}{r} 5.3 \\ \hline 24 \end{array} \quad 5.4$$

$$\begin{array}{r} \text{T.C.} \\ 4.4 \\ \hline 18 \end{array} \quad \begin{array}{r} 5.1 \\ \hline 18 \end{array} \quad 5.3 \quad \begin{array}{r} 5.4 \\ \hline 17 \end{array} \quad \begin{array}{r} \text{T.C.} \\ 4.7 \\ \hline 17 \end{array}$$

$$\begin{array}{r} \text{T.C.} \\ 4.3 \\ \hline 16 \end{array} \quad \begin{array}{r} 5.0 \\ \hline 16 \end{array} \quad 4.8 \quad \begin{array}{r} 5.1 \\ \hline 16 \end{array} \quad \begin{array}{r} \text{T.C.} \\ 4.7 \\ \hline 16 \end{array}$$

$$\text{Top Wall} \quad \begin{array}{r} 3.6 \\ \hline 16 \end{array} \quad \begin{array}{r} 4.9 \\ \hline 16 \end{array} \quad 4.7 \quad \begin{array}{r} 4.9 \\ \hline 16 \end{array} \quad \begin{array}{r} \text{T.C.} \\ 4.7 \\ \hline 16 \end{array}$$

$$\text{Top Wall} \quad \begin{array}{r} 3.5 \\ \hline 16 \end{array} \quad \begin{array}{r} 4.6 \\ \hline 16 \end{array} \quad 4.4 \quad \begin{array}{r} 4.4 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 5.3 \\ \hline 33 \end{array} \quad 5.4 \quad \begin{array}{r} 5.4 \\ \hline 33 \end{array}$$

Sta

π

0+03 End Pavement

+15 End Curb R/L

+25

14+28.0 = 0+00 Ent Lt.

+07 End Curb Rt.

+08 " " Lt.

+20

15+73 = 0+00 Ent Lt.

0+07 End Curb R/L

+20

16+74.3 = 0+00

+05

+20

Lt.

Rt.

$$\begin{array}{r} \text{T.C.} \\ 4.6 \\ \hline 23 \end{array} \quad \begin{array}{r} 5.2 \\ \hline 23 \end{array} \quad 5.2 \quad \begin{array}{r} \text{T.C.} \\ 5.4 \\ \hline 23 \end{array} \quad \begin{array}{r} 4.6 \\ \hline 23 \end{array}$$

$$\begin{array}{r} \text{T.C.} \\ 4.6 \\ \hline 18 \end{array} \quad \begin{array}{r} 4.9 \\ \hline 18 \end{array} \quad 4.6 \quad \begin{array}{r} \text{T.C.} \\ 4.9 \\ \hline 18 \end{array} \quad \begin{array}{r} 4.6 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 4.8 \\ \hline 25 \end{array} \quad \begin{array}{r} 5.0 \\ \hline 18 \end{array} \quad 4.5 \quad \begin{array}{r} 5.0 \\ \hline 15 \end{array} \quad \begin{array}{r} 4.6 \\ \hline 18 \end{array} \quad \begin{array}{r} 4.6 \\ \hline 22 \end{array}$$

$$\begin{array}{r} \text{T.C.} \\ 4.6 \\ \hline 6.5 \end{array} \quad \begin{array}{r} 5.4 \\ \hline 15 \end{array} \quad 5.4 \quad \begin{array}{r} 5.4 \\ \hline 15 \end{array} \quad \begin{array}{r} \text{T.C.} \\ 4.8 \\ \hline 6.5 \end{array} \quad \begin{array}{r} 4.6 \\ \hline 6.5 \end{array}$$

$$\begin{array}{r} 4.0 \\ \hline 15 \end{array} \quad 4.3 \quad \begin{array}{r} 4.1 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 4.3 \\ \hline 15 \end{array} \quad 4.5 \quad \begin{array}{r} 4.0 \\ \hline 15 \end{array}$$

$$\begin{array}{r} \text{T.C.} \\ 4.7 \\ \hline 6.5 \end{array} \quad \begin{array}{r} 5.5 \\ \hline 14 \end{array} \quad 5.4 \quad \begin{array}{r} 5.3 \\ \hline 14 \end{array} \quad \begin{array}{r} \text{T.C.} \\ 4.5 \\ \hline 6.5 \end{array} \quad \begin{array}{r} 4.9 \\ \hline 6.5 \end{array} \quad 4.9 \quad \begin{array}{r} 5.1 \\ \hline 6.5 \end{array}$$

$$\begin{array}{r} 4.9 \\ \hline 15 \end{array} \quad 4.8 \quad \begin{array}{r} 4.5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 5.3 \\ \hline 7 \end{array} \quad 5.4 \quad \begin{array}{r} 5.6 \\ \hline 10 \end{array} \quad \begin{array}{r} \text{T.C.} \\ 4.8 \\ \hline 7 \end{array} \quad 5.0 \quad \begin{array}{r} 5.0 \\ \hline 5 \end{array} \quad \begin{array}{r} 4.8 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 5.0 \\ \hline 15 \end{array} \quad 4.8 \quad \begin{array}{r} 4.6 \\ \hline 15 \end{array}$$

