

Dr. 8 - Bk. 5

ELEVATIONS ON TOP OF PAVING
TO DETERMINE SETTLEMENT

RICE STREET

Near Soo Line Crossing

ROAD % No 1

FILE No 13

AND

PAVEMENT CROSS-SECTIONS

RICE STR. NEAR CO. RD. "G"

Sta. 303+30 To 311+50

Office of Ramsey Co. Engineer

ST. PAUL, MINN.

Date Filed 8-3-25

File No. "13"

ELEVATION TOP PAVEMENT
TO DETERMINE SETTLEMENT

Rice Street near ~~SINE~~^{SOO} Xing

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Station Point.

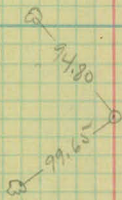
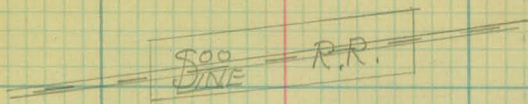
2+40

1+3.5

P.O.T. Progressive Survey Point = Sta 2

Assumed Stationing.

0+00



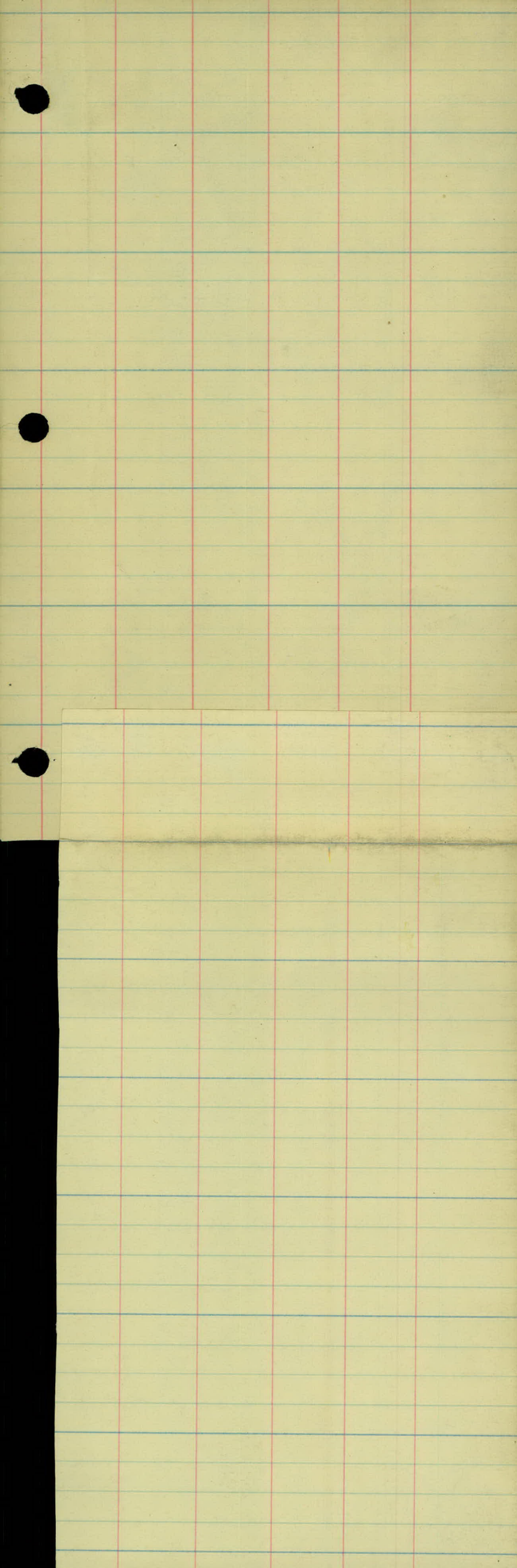
Base line of Elevations.



3-31
4-10
4-30
5-14
5-30
6-14

Comparative Elevations East Side.

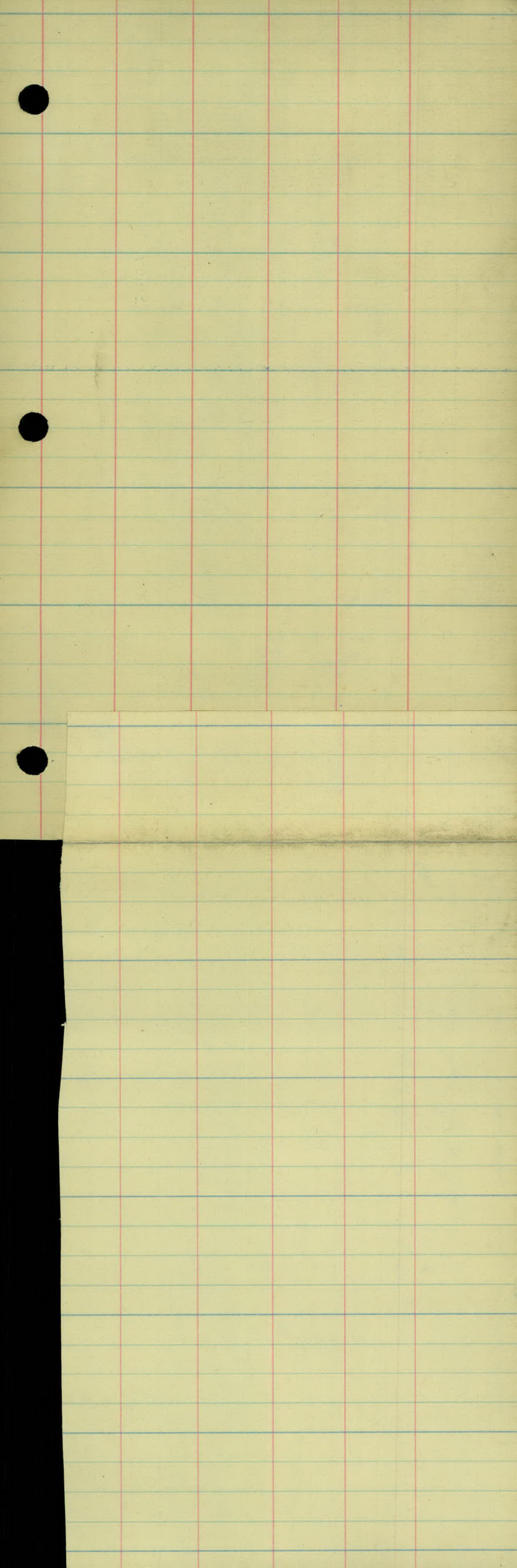
Station	Date												
	7-3-25	8-7-25	8-14-25	8-21-25	8-28-25	9-4-25	9-11-25	10-2-26	11-6-25	4-1-26	4-14-26	4-1-26	6-1-26
2+40	94.81	94.82	94.83	94.85	94.86	94.87	94.86	94.85	94.85	94.85	94.81	94.80	94.84
2+20	94.85	94.86	94.87	94.89	94.90	94.91	94.91	94.89	94.89	94.86	94.86	94.85	94.89
2+00	94.93	94.91	94.93	94.93	94.96	94.94	94.95	94.93	94.94	94.93	94.91	94.89	94.94
1+80	94.98	95.01	95.02	95.03	95.04	95.05	95.03	95.03	95.03	95.00	94.99	94.97	95.00
1+60	95.09	95.09	95.11	95.12	95.12	95.13	95.12	95.11	95.10	95.08	95.04	95.02	95.04
1+40	95.13	95.13	95.14	95.14	95.15	95.15	95.13	95.14	95.12	95.04	95.01	95.00	95.07
1+20	95.17	95.16	95.16	95.17	95.18	95.17	95.16	95.15	95.13	95.04	95.02	95.01	95.01
1+00	95.32	95.31	95.29	95.32	95.32	95.32	95.29	95.30	95.27	95.17	95.15	95.14	95.14
0+80	95.60	95.58	95.56	95.59	95.58	95.58	95.56	95.55	95.53	95.44	95.41	95.40	95.40
0+60	95.84	95.84	95.82	95.84	95.83	95.83	95.81	95.80	95.78	95.68	95.65	95.64	95.64
0+40	96.15	96.13	96.11	96.13	96.13	96.12	96.10	96.10	96.07	95.98	95.97	95.96	95.96
0+20	96.49	96.47	96.46	96.49	96.48	96.47	96.46	96.44	96.43	96.37	96.36	96.36	96.38
0+00	96.51	96.51	96.50	96.51	96.51	96.51	96.51	96.51	96.51	96.51	96.48	96.49	96.50



Comparative Elevations Center Line.

P. 4

Station	Date												
	7-31-75	8-7-75	8-14-75	8-21-75	8-28-75	9-4-75	9-11-75	10-2-75	10-6-75	4-1-26	4-14-26	5-1-26	6-1-26
2+40	94.92	94.93	94.93	94.96	94.96	94.97	94.97	94.96	94.96	94.97	94.95	94.93	94.97
2+20	94.94	94.94	94.96	94.98	94.98	94.98	94.98	94.98	94.98	94.99	94.96	94.95	94.99
2+00	95.00	94.99	95.00	95.02	95.03	95.04	95.03	95.03	95.03	95.04	95.02	95.00	95.03
1+80	95.05	95.04	95.05	95.07	95.07	95.08	95.08	95.07	95.07	95.10	95.06	95.05	95.08
1+60	95.12	95.12	95.13	95.15	95.14	95.13	95.14	95.14	95.14	95.13	95.08	95.09	95.12
1+40	95.14	95.14	95.15	95.16	95.16	95.16	95.15	95.16	95.14	95.10	95.10	95.06	95.10
1+20	95.18	95.17	95.18	95.19	95.19	95.19	95.18	95.18	95.18	95.10	95.10	95.06	95.08
1+00	95.31	95.29	95.30	95.31	95.31	95.31	95.29	95.30	95.28	95.22	95.21	95.16	95.20
0+80	95.51	95.50	95.50	95.51	95.51	95.51	95.49	95.49	95.47	95.42	95.40	95.39	95.40
0+60	95.83	95.81	95.88	95.83	95.83	95.82	95.82	95.80	95.79	95.74	95.71	95.71	95.71
0+40	96.18	96.17	96.17	96.17	96.17	96.17	96.16	96.16	96.14	96.12	96.12	96.09	96.12
0+20	96.51	96.51	96.50	96.51	96.51	96.51	96.49	96.50	96.49	96.50	96.51	96.77	96.49
0+00	96.74	96.72	96.72	96.73	96.74	96.74	96.72	96.73	96.73	96.74	96.74	96.72	96.74



Comparative Elevations West side.

Station	Date											
	7-3-25	8-7-25	8-14-25	8-21-25	8-28-25	9-4-25	9-11-25	10-2-25	10-6-25	4-1-26	4-14-26	5-1-26
2+40	94.85	94.85	94.86	94.86	94.87	94.88	94.88	94.81	94.87	94.89	94.86	94.83
2+20	94.85	94.85	94.86	94.88	94.88	94.89	94.89	94.88	94.88	94.90	94.86	94.84
2+00	94.93	94.93	94.95	94.96	94.96	94.97	94.96	94.96	94.96	94.99	94.94	94.94
1+80	94.99	94.99	95.00	95.03	95.03	95.03	95.03	95.02	95.02	95.06	95.01	95.00
1+60	95.07	95.07	95.08	95.10	95.11	95.11	95.10	95.11	95.10	95.10	95.06	95.04
1+40	95.11	95.10	95.11	95.13	95.14	95.14	95.13	95.13	95.13	95.11	95.09	95.07
1+20	95.19	95.19	95.21	95.22	95.22	95.22	95.21	95.21	95.21	95.20	95.16	95.16
1+00	95.35	95.35	95.35	95.37	95.36	95.37	95.36	95.36	95.36	95.36	95.30	95.30
0+80	95.58	95.58	95.59	95.59	95.59	95.60	95.58	95.59	95.58	95.55	95.53	95.51
0+60	95.86	95.88	95.88	95.87	95.87	95.86	95.85	95.86	95.86	95.81	95.80	95.80
0+40	96.18	96.15	96.19	96.18	96.18	96.18	96.18	96.17	96.17	96.15	96.16	96.15
0+20	96.51	96.52	96.50	96.52	96.53	96.53	96.52	96.52	96.52	96.52	96.51	96.51
0+00	96.70	96.71	96.71	96.72	96.73	96.73	96.71	96.72	96.73	96.73	96.72	96.72

6-1-26

2+40

2+20

2+00

1+80

1+60

1+40

1+20

1+00

0+80

0+60

0+40

0+20

Waste Lt.

L

RT = East

Aug 6, 1925

R. R. Pike in T.R. Lt. Sta. 0+54

$$\begin{array}{r} 3.30 \\ 12 \end{array}$$

$$\begin{array}{r} 3.26 \\ 0 \end{array}$$

$$\begin{array}{r} 100.60 \\ 3.49 \\ 12 \end{array}$$

$$\begin{array}{r} 3.49 \\ 12 \end{array}$$

$$\begin{array}{r} 3.49 \\ 12 \end{array}$$

$$\begin{array}{r} 3.51 \\ 12 \end{array}$$

$$\begin{array}{r} 3.82 \\ 12 \end{array}$$

$$\begin{array}{r} 96.18 \\ 3.82 \\ 12 \end{array}$$

$$\begin{array}{r} 3.85 \\ 12 \end{array}$$

$$\begin{array}{r} 4.14 \\ 12 \end{array}$$

$$\begin{array}{r} 95.82 \\ 4.17 \\ 12 \end{array}$$

$$\begin{array}{r} 4.16 \\ 12 \end{array}$$

$$\begin{array}{r} 4.42 \\ 12 \end{array}$$

$$\begin{array}{r} 95.51 \\ 4.49 \\ 12 \end{array}$$

$$\begin{array}{r} 4.40 \\ 12 \end{array}$$

$$\begin{array}{r} 4.65 \\ 12 \end{array}$$

$$\begin{array}{r} 95.31 \\ 4.69 \\ 12 \end{array}$$

$$\begin{array}{r} 4.68 \\ 12 \end{array}$$

$$\begin{array}{r} 4.81 \\ 12 \end{array}$$

$$\begin{array}{r} 95.18 \\ 4.82 \\ 12 \end{array}$$

$$\begin{array}{r} 4.83 \\ 12 \end{array}$$

$$\begin{array}{r} 4.89 \\ 12 \end{array}$$

$$\begin{array}{r} 95.14 \\ 4.86 \\ 12 \end{array}$$

$$\begin{array}{r} 4.87 \\ 12 \end{array}$$

$$\begin{array}{r} 4.93 \\ 12 \end{array}$$

$$\begin{array}{r} 95.12 \\ 4.88 \\ 12 \end{array}$$

$$\begin{array}{r} 4.91 \\ 12 \end{array}$$

$$\begin{array}{r} 5.01 \\ 12 \end{array}$$

$$\begin{array}{r} 95.05 \\ 4.95 \\ 12 \end{array}$$

$$\begin{array}{r} 5.02 \\ 12 \end{array}$$

$$\begin{array}{r} 5.07 \\ 12 \end{array}$$

$$\begin{array}{r} 95.00 \\ 5.00 \\ 12 \end{array}$$

$$\begin{array}{r} 5.07 \\ 12 \end{array}$$

$$\begin{array}{r} 5.15 \\ 12 \end{array}$$

$$\begin{array}{r} 94.94 \\ 5.06 \\ 12 \end{array}$$

$$\begin{array}{r} 5.15 \\ 12 \end{array}$$

$$\begin{array}{r} 5.15 \\ 12 \end{array}$$

$$\begin{array}{r} 94.92 \\ 5.08 \\ 12 \end{array}$$

$$\begin{array}{r} 5.19 \\ 12 \end{array}$$

station	+	M.I	-	Elev.
B.M.	4.24	100.15		95.91 (Assumed)
0+00				
0+20				
0+40				
0+60				
0+80				
1+00				
1+20				
1+40				
1+60				
1+80				
2+00				
2+20				
2+40				

West = Lt.

L

East = East

Aug. 7, 1975

R. R. Spike in Tip Lt. 0.54

96.71	96.72	96.51
<u>3.44</u>	<u>3.43</u>	<u>3.64</u>
12		12

96.52	96.51	96.47
<u>3.63</u>	<u>3.64</u>	<u>3.68</u>
12		12

96.15	96.17	96.13
<u>4.00</u>	<u>3.98</u>	<u>4.02</u>
12		12

95.88	95.82	95.84
<u>4.27</u>	<u>4.33</u>	<u>4.31</u>
12		12

95.58	95.50	95.58
<u>4.57</u>	<u>4.65</u>	<u>4.57</u>
12		12

95.35	95.29	95.31
<u>4.80</u>	<u>4.86</u>	<u>4.84</u>
12		12

95.19	95.17	95.16
<u>4.96</u>	<u>4.98</u>	<u>4.99</u>
12		12

95.10	95.14	95.13
<u>5.05</u>	<u>5.01</u>	<u>5.02</u>
12		12

95.07	95.12	95.09
<u>5.08</u>	<u>5.03</u>	<u>5.06</u>
12		12

94.99	95.04	95.01
<u>5.16</u>	<u>5.11</u>	<u>5.14</u>
12		12

94.93	94.97	94.91
<u>5.22</u>	<u>5.16</u>	<u>5.24</u>
12		12

94.85	94.94	94.86
<u>5.20</u>	<u>5.21</u>	<u>5.29</u>
12	0	12

94.85	94.93	94.82
<u>5.30</u>	<u>5.27</u>	<u>5.30</u>
12		12

Station	+	H.I	-	Elev.
B.M.	4.26	100.17 ✓		95.91
0+00				
0+20				
0+40				
0+60				
0+80				
1+00				
1+20				
1+40				
1+60				
1+80				
2+00				
2+20				
2+40				

West

R

East

W.H.G.

A.L.P. Aug 14

R. G. 1970

H. G.

<u>96.71</u>	<u>96.72</u>	<u>96.50</u>
3.46	3.45	3.67

<u>96.50</u>	<u>96.50</u>	<u>96.46</u>
3.67	3.67	3.71

<u>96.19</u>	<u>96.17</u>	<u>96.11</u>
3.98	4.00	4.06

<u>95.86</u>	<u>95.88</u>	<u>95.82</u>
4.31	4.29	4.35

<u>95.59</u>	<u>95.50</u>	<u>95.56</u>
4.58	4.67	4.61

<u>95.35</u>	<u>95.30</u>	<u>95.29</u>
4.82	4.87	4.88

<u>95.21</u>	<u>95.18</u>	<u>95.16</u>
4.96	4.99	5.01

<u>95.11</u>	<u>95.15</u>	<u>95.14</u>
5.06	5.02	5.03

<u>95.08</u>	<u>95.11</u>	<u>95.11</u>
5.09	5.04	5.06

<u>95.00</u>	<u>95.05</u>	<u>95.02</u>
5.17	5.12	5.15

<u>94.95</u>	<u>95.00</u>	<u>94.93</u>
5.22	5.17	5.24

<u>94.86</u>	<u>94.96</u>	<u>94.86</u>
5.31	5.21	5.30

<u>94.86</u>	<u>94.93</u>	<u>94.83</u>
5.31	5.24	5.34

Station	+	H.I. ✓	-	Elev.
B.M.	5.37	101.28		95.91
0+00				
0+20				
0+40				
0+60				
0+80				
1+00				
1+20				
1+40				
1+60				
1+80				
2+00				
2+20				
2+40				

West E East

W.H.C.
C.W.S. Aug 21,
A.L.P. 1925
M.B.
R.C.

96.72 96.73 96.51
4.86 4.55 4.77

96.52 96.51 96.49
4.76 4.77 4.79

96.18 96.17 96.13
5.10 5.11 5.15

95.87 95.83 95.84
5.41 5.45 5.44

95.59 95.51 95.59
5.69 5.77 5.69

95.37 95.31 95.32
5.91 5.97 5.96

95.22 95.19 95.17
6.06 6.09 6.11

95.13 95.16 95.14
6.13 6.12 6.14

95.10 95.15 95.12
6.18 6.13 6.16

95.03 95.07 95.03
6.25 6.21 6.25

94.96 95.02 94.93
6.32 6.26 6.35

94.88 94.98 94.89
6.40 6.30 6.39

94.86 94.96 94.85
6.42 6.32 6.43

Station	+	H.I	-	Elev
B.M.	5.47	101.38 ✓		95.91
0+00				
0+20				
0+40				
0+60				
0+80				
1+00				
1+20				
1+40				
1+60				
1+80				
2+00				
2+20				
2+40				

West

L

East

Aug 28-25

$$\begin{array}{r} 96.73 \\ 4.65 \\ \hline \end{array}$$

$$\begin{array}{r} 96.74 \\ 4.64 \\ \hline \end{array}$$

$$\begin{array}{r} 96.51 \\ 4.87 \\ \hline \end{array}$$

$$\begin{array}{r} 96.53 \\ 4.85 \\ \hline \end{array}$$

$$\begin{array}{r} 96.51 \\ 4.87 \\ \hline \end{array}$$

$$\begin{array}{r} 96.48 \\ 4.90 \\ \hline \end{array}$$

$$\begin{array}{r} 96.18 \\ 5.20 \\ \hline \end{array}$$

$$\begin{array}{r} 96.17 \\ 5.21 \\ \hline \end{array}$$

$$\begin{array}{r} 96.13 \\ 5.25 \\ \hline \end{array}$$

$$\begin{array}{r} 95.87 \\ 5.51 \\ \hline \end{array}$$

$$\begin{array}{r} 95.83 \\ 5.55 \\ \hline \end{array}$$

$$\begin{array}{r} 95.83 \\ 5.55 \\ \hline \end{array}$$

$$\begin{array}{r} 95.59 \\ 5.79 \\ \hline \end{array}$$

$$\begin{array}{r} 95.51 \\ 5.87 \\ \hline \end{array}$$

$$\begin{array}{r} 95.58 \\ 5.80 \\ \hline \end{array}$$

$$\begin{array}{r} 95.34 \\ 6.02 \\ \hline \end{array}$$

$$\begin{array}{r} 95.31 \\ 6.07 \\ \hline \end{array}$$

$$\begin{array}{r} 95.32 \\ 6.06 \\ \hline \end{array}$$

$$\begin{array}{r} 95.22 \\ 6.16 \\ \hline \end{array}$$

$$\begin{array}{r} 95.19 \\ 6.19 \\ \hline \end{array}$$

$$\begin{array}{r} 95.18 \\ 6.20 \\ \hline \end{array}$$

$$\begin{array}{r} 95.14 \\ 6.24 \\ \hline \end{array}$$

$$\begin{array}{r} 95.16 \\ 6.22 \\ \hline \end{array}$$

$$\begin{array}{r} 95.15 \\ 6.23 \\ \hline \end{array}$$

$$\begin{array}{r} 95.11 \\ 6.27 \\ \hline \end{array}$$

$$\begin{array}{r} 95.14 \\ 6.24 \\ \hline \end{array}$$

$$\begin{array}{r} 95.12 \\ 6.26 \\ \hline \end{array}$$

$$\begin{array}{r} 95.03 \\ 6.35 \\ \hline \end{array}$$

$$\begin{array}{r} 95.07 \\ 6.31 \\ \hline \end{array}$$

$$\begin{array}{r} 95.04 \\ 6.34 \\ \hline \end{array}$$

$$\begin{array}{r} 94.96 \\ 6.42 \\ \hline \end{array}$$

$$\begin{array}{r} 95.03 \\ 6.35 \\ \hline \end{array}$$

$$\begin{array}{r} 94.96 \\ 6.42 \\ \hline \end{array}$$

$$\begin{array}{r} 94.88 \\ 6.50 \\ \hline \end{array}$$

$$\begin{array}{r} 94.98 \\ 6.40 \\ \hline \end{array}$$

$$\begin{array}{r} 94.90 \\ 6.48 \\ \hline \end{array}$$

$$\begin{array}{r} 94.87 \\ 6.51 \\ \hline \end{array}$$

$$\begin{array}{r} 94.96 \\ 6.42 \\ \hline \end{array}$$

$$\begin{array}{r} 94.86 \\ 6.52 \\ \hline \end{array}$$

station	t	H.I	-	Elev.
B.M.	5.64	101.55 ✓		95.91

0+00

0+20

0+40

0+60

0+80

1+00

1+20

1+40

1+60

1+80

2+00

2+20

2+40

West. 2 East

P. 11
Sept 4, 25

$$\begin{array}{r} 482 \\ 96.73 \end{array} \quad \begin{array}{r} 481 \\ 96.74 \end{array} \quad \begin{array}{r} 504 \\ 96.51 \end{array}$$

$$\begin{array}{r} 502 \\ 96.53 \end{array} \quad \begin{array}{r} 504 \\ 96.51 \end{array} \quad \begin{array}{r} 508 \\ 96.47 \end{array}$$

$$\begin{array}{r} 537 \\ 96.18 \end{array} \quad \begin{array}{r} 538 \\ 96.17 \end{array} \quad \begin{array}{r} 543 \\ 96.12 \end{array}$$

$$\begin{array}{r} 569 \\ 95.86 \end{array} \quad \begin{array}{r} 573 \\ 95.82 \end{array} \quad \begin{array}{r} 572 \\ 95.83 \end{array}$$

$$\begin{array}{r} 595 \\ 95.60 \end{array} \quad \begin{array}{r} 604 \\ 95.51 \end{array} \quad \begin{array}{r} 597 \\ 95.58 \end{array}$$

$$\begin{array}{r} 618 \\ 95.37 \end{array} \quad \begin{array}{r} 624 \\ 95.31 \end{array} \quad \begin{array}{r} 623 \\ 95.32 \end{array}$$

$$\begin{array}{r} 633 \\ 95.22 \end{array} \quad \begin{array}{r} 636 \\ 95.19 \end{array} \quad \begin{array}{r} 638 \\ 95.17 \end{array}$$

$$\begin{array}{r} 641 \\ 95.14 \end{array} \quad \begin{array}{r} 639 \\ 95.16 \end{array} \quad \begin{array}{r} 640 \\ 95.16 \end{array}$$

$$\begin{array}{r} 644 \\ 95.11 \end{array} \quad \begin{array}{r} 640 \\ 95.15 \end{array} \quad \begin{array}{r} 642 \\ 95.13 \end{array}$$

$$\begin{array}{r} 652 \\ 95.03 \end{array} \quad \begin{array}{r} 647 \\ 95.08 \end{array} \quad \begin{array}{r} 650 \\ 95.05 \end{array}$$

$$\begin{array}{r} 658 \\ 94.97 \end{array} \quad \begin{array}{r} 651 \\ 95.04 \end{array} \quad \begin{array}{r} 661 \\ 94.94 \end{array}$$

$$\begin{array}{r} 666 \\ 94.89 \end{array} \quad \begin{array}{r} 657 \\ 94.98 \end{array} \quad \begin{array}{r} 664 \\ 94.91 \end{array}$$

$$\begin{array}{r} 667 \\ 94.88 \end{array} \quad \begin{array}{r} 658 \\ 94.97 \end{array} \quad \begin{array}{r} 668 \\ 94.87 \end{array}$$

Station	+	H.I	-	Elev.
---------	---	-----	---	-------

B.M.	5.92	101.83	✓	95.91
------	------	--------	---	-------

0+00

0+20

0+40

0+60

0+80

1+00

1+20

1+40

1+60

1+80

2+00

2+20

2+40

West R East

Sept 11, 1925

$\begin{array}{r} 96.71 \\ 5.12 \\ \hline \end{array}$	$\begin{array}{r} 96.72 \\ 5.11 \\ \hline \end{array}$	$\begin{array}{r} 96.51 \\ 5.32 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 96.52 \\ 5.31 \\ \hline \end{array}$	$\begin{array}{r} 96.49 \\ 5.34 \\ \hline \end{array}$	$\begin{array}{r} 96.46 \\ 5.37 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 96.18 \\ 5.65 \\ \hline \end{array}$	$\begin{array}{r} 96.16 \\ 5.67 \\ \hline \end{array}$	$\begin{array}{r} 96.10 \\ 5.73 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 95.85 \\ 5.98 \\ \hline \end{array}$	$\begin{array}{r} 95.82 \\ 6.01 \\ \hline \end{array}$	$\begin{array}{r} 95.81 \\ 6.02 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 95.58 \\ 6.25 \\ \hline \end{array}$	$\begin{array}{r} 95.49 \\ 6.34 \\ \hline \end{array}$	$\begin{array}{r} 95.56 \\ 6.27 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 95.36 \\ 6.47 \\ \hline \end{array}$	$\begin{array}{r} 95.29 \\ 6.54 \\ \hline \end{array}$	$\begin{array}{r} 95.29 \\ 6.54 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 95.21 \\ 6.62 \\ \hline \end{array}$	$\begin{array}{r} 95.18 \\ 6.65 \\ \hline \end{array}$	$\begin{array}{r} 95.16 \\ 6.67 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 95.13 \\ 6.70 \\ \hline \end{array}$	$\begin{array}{r} 95.15 \\ 6.68 \\ \hline \end{array}$	$\begin{array}{r} 95.13 \\ 6.70 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 95.10 \\ 6.73 \\ \hline \end{array}$	$\begin{array}{r} 95.14 \\ 6.69 \\ \hline \end{array}$	$\begin{array}{r} 95.12 \\ 6.71 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 95.08 \\ 6.80 \\ \hline \end{array}$	$\begin{array}{r} 95.08 \\ 6.75 \\ \hline \end{array}$	$\begin{array}{r} 95.03 \\ 6.80 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} \textcircled{94.96} \\ 94.86 \\ 6.87 \\ \hline \end{array}$	$\begin{array}{r} 95.03 \\ 6.80 \\ \hline \end{array}$	$\begin{array}{r} 94.95 \\ 6.88 \\ \hline \end{array}$
---	--	--

$\begin{array}{r} 94.84 \\ 6.94 \\ \hline \end{array}$	$\begin{array}{r} 94.98 \\ 6.85 \\ \hline \end{array}$	$\begin{array}{r} 94.91 \\ 6.92 \\ \hline \end{array}$
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$\begin{array}{r} 94.88 \\ 6.95 \\ \hline \end{array}$	$\begin{array}{r} 94.97 \\ 6.86 \\ \hline \end{array}$	$\begin{array}{r} 94.86 \\ 6.97 \\ \hline \end{array}$
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Station	+	H.I	-	Elev.
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B.M.	560	106.51	✓	95.91
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0+00

0+20

0+40

0+60

0+80

1+00

1+20

1+40

1+60

1+80

2+00

2+20

2+40

West. 2 East

W.H.C. #13
E.H.F.
R.G.

Oct 2, 1925

$\frac{96.72}{4.79}$, $\frac{96.73}{4.78}$, $\frac{96.51}{5.00}$,

$\frac{96.52}{4.99}$, $\frac{96.50}{5.01}$, $\frac{96.44}{5.07}$,

$\frac{96.17}{5.34}$, $\frac{96.16}{5.35}$, $\frac{96.10}{5.41}$,

$\frac{95.86}{5.65}$, $\frac{95.80}{5.71}$, $\frac{95.80}{5.70}$,

$\frac{95.59}{5.92}$, $\frac{95.49}{6.02}$, $\frac{95.55}{5.96}$,

$\frac{95.26}{6.15}$, $\frac{95.30}{6.21}$, $\frac{95.30}{6.21}$,

$\frac{95.21}{6.30}$, $\frac{95.18}{6.33}$, $\frac{95.15}{6.36}$,

$\frac{95.12}{6.38}$, $\frac{95.16}{6.35}$, $\frac{95.14}{6.37}$,

$\frac{95.11}{6.40}$, $\frac{95.14}{6.37}$, $\frac{95.11}{6.40}$,

$\frac{95.02}{6.49}$, $\frac{95.07}{6.44}$, $\frac{95.03}{6.48}$,

$\frac{94.96}{6.55}$, $\frac{95.03}{6.48}$, $\frac{94.93}{6.56}$,

$\frac{94.88}{6.63}$, $\frac{94.98}{6.53}$, $\frac{94.89}{6.62}$,

$\frac{94.87}{6.64}$, $\frac{94.96}{6.55}$, $\frac{94.85}{6.66}$,

Station	+	H.I	-	Elev.
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B.M.	5.33	101.24 ✓		95.91
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0+00

0+20

0+40

0+60

0+80

1+00

1+20

1+40

1+60

1+80

2+00

2+20

2+40

West ♀ East

W.H.C.
E.H.F. NOV. 6,
M.S. 1925
J.B.

$\frac{96.73}{4.51}$ $\frac{96.73}{4.51}$ $\frac{96.51}{4.73}$

$\frac{96.52}{4.72}$ $\frac{96.49}{4.75}$ $\frac{96.43}{4.81}$

$\frac{96.17}{5.07}$ $\frac{96.14}{5.10}$ $\frac{96.07}{5.17}$

$\frac{95.86}{5.22}$ $\frac{95.79}{5.45}$ $\frac{95.78}{5.46}$

$\frac{95.58}{5.66}$ $\frac{95.47}{5.77}$ $\frac{95.53}{5.71}$

$\frac{95.36}{5.88}$ $\frac{95.28}{5.96}$ $\frac{95.27}{5.97}$

$\frac{95.21}{6.03}$ $\frac{95.18}{6.08}$ $\frac{95.13}{6.11}$

95.16

$\frac{95.13}{6.11}$ $\frac{95.14}{6.10}$ $\frac{95.12}{6.12}$

$\frac{95.10}{6.14}$ $\frac{95.14}{6.10}$ $\frac{95.10}{6.14}$

$\frac{95.02}{6.22}$ $\frac{95.07}{6.27}$ $\frac{95.03}{6.26}$

$\frac{94.96}{6.28}$ $\frac{95.02}{6.27}$ $\frac{94.94}{6.30}$

$\frac{94.88}{6.36}$ $\frac{94.98}{6.26}$ $\frac{94.89}{6.35}$

$\frac{94.87}{6.37}$ $\frac{94.96}{6.28}$ $\frac{94.85}{6.29}$

Station	+	H.I	-	Elev
B.M.	5.50	101.41		95.91
0+00				
0+20				
0+40				
0+60				
0+80				
1+00				
1+20				
1+40				
1+60				
1+80				
2+00				
2+20				
2+40				

West

L

East

4-1-26

W.H.C.

D.L.P.

M.B.

H.B.

$\frac{96.73}{4.68}$

$\frac{96.74}{4.67}$

$\frac{96.52}{4.89}$

$\frac{96.50}{4.91}$

$\frac{96.27}{5.04}$

$\frac{96.15}{5.26}$

$\frac{96.12}{5.29}$

$\frac{95.98}{5.43}$

$\frac{95.81}{5.60}$

$\frac{95.74}{5.67}$

$\frac{95.68}{5.73}$

$\frac{95.55}{5.86}$

$\frac{95.42}{5.99}$

$\frac{95.44}{5.97}$

$\frac{95.26}{6.05}$

$\frac{95.22}{6.19}$

$\frac{95.17}{6.24}$

$\frac{95.20}{6.21}$

$\frac{95.10}{6.31}$

$\frac{95.04}{6.37}$

$\frac{95.11}{6.30}$

$\frac{95.10}{6.31}$

$\frac{95.04}{6.37}$

$\frac{95.10}{6.31}$

$\frac{95.13}{6.28}$

$\frac{95.05}{6.36}$

$\frac{95.06}{6.35}$

$\frac{95.10}{6.31}$

$\frac{95.00}{6.41}$

$\frac{94.99}{6.42}$

$\frac{95.04}{6.37}$

$\frac{94.93}{6.48}$

$\frac{94.90}{6.51}$

$\frac{94.99}{6.42}$

$\frac{94.86}{6.55}$

$\frac{94.89}{6.52}$

$\frac{94.97}{6.44}$

$\frac{94.85}{6.56}$

Station	+	H.I	-	Elev.
B.M.	6.20	102.11	✓	95.91
0+00				

+20

+40

+60

+80

1+00

+20

+40

+60

+80

2+00

+20

+40

West

Z

East

R16
4-14-26

W.H.C.

A.L.D.

M.G.

H.B.

$$\begin{array}{r} 96.72 \\ 5.39 \\ \hline \end{array}$$

$$\begin{array}{r} 96.74 \\ 5.37 \\ \hline \end{array}$$

$$\begin{array}{r} 96.48 \\ 5.63 \\ \hline \end{array}$$

$$\begin{array}{r} 96.51 \\ 5.60 \\ \hline \end{array}$$

$$\begin{array}{r} 96.51 \\ 5.60 \\ \hline \end{array}$$

$$\begin{array}{r} 96.36 \\ 5.75 \\ \hline \end{array}$$

$$\begin{array}{r} 96.16 \\ 5.98 \\ \hline \end{array}$$

$$\begin{array}{r} 96.12 \\ 5.99 \\ \hline \end{array}$$

$$\begin{array}{r} 95.92 \\ 6.14 \\ \hline \end{array}$$

$$\begin{array}{r} 95.80 \\ 6.31 \\ \hline \end{array}$$

$$\begin{array}{r} 95.71 \\ 6.40 \\ \hline \end{array}$$

$$\begin{array}{r} 95.65 \\ 6.46 \\ \hline \end{array}$$

$$\begin{array}{r} 95.53 \\ 6.58 \\ \hline \end{array}$$

$$\begin{array}{r} 95.40 \\ 6.71 \\ \hline \end{array}$$

$$\begin{array}{r} 95.41 \\ 6.70 \\ \hline \end{array}$$

$$\begin{array}{r} 95.30 \\ 6.81 \\ \hline \end{array}$$

$$\begin{array}{r} 95.21 \\ 6.90 \\ \hline \end{array}$$

$$\begin{array}{r} 95.15 \\ 6.96 \\ \hline \end{array}$$

$$\begin{array}{r} 95.16 \\ 6.95 \\ \hline \end{array}$$

$$\begin{array}{r} 95.10 \\ 7.01 \\ \hline \end{array}$$

$$\begin{array}{r} 95.02 \\ 7.09 \\ \hline \end{array}$$

$$\begin{array}{r} 95.09 \\ 7.02 \\ \hline \end{array}$$

$$\begin{array}{r} 95.10 \\ 7.01 \\ \hline \end{array}$$

$$\begin{array}{r} 95.01 \\ 7.10 \\ \hline \end{array}$$

$$\begin{array}{r} 95.06 \\ 7.05 \\ \hline \end{array}$$

$$\begin{array}{r} 95.02 \\ 7.09 \\ \hline \end{array}$$

$$\begin{array}{r} 95.04 \\ 7.07 \\ \hline \end{array}$$

$$\begin{array}{r} 95.01 \\ 7.10 \\ \hline \end{array}$$

$$\begin{array}{r} 95.06 \\ 7.08 \\ \hline \end{array}$$

$$\begin{array}{r} 94.99 \\ 7.12 \\ \hline \end{array}$$

$$\begin{array}{r} 94.94 \\ 7.17 \\ \hline \end{array}$$

$$\begin{array}{r} 95.02 \\ 7.09 \\ \hline \end{array}$$

$$\begin{array}{r} 94.91 \\ 7.20 \\ \hline \end{array}$$

$$\begin{array}{r} 94.86 \\ 7.25 \\ \hline \end{array}$$

$$\begin{array}{r} 94.96 \\ 7.15 \\ \hline \end{array}$$

$$\begin{array}{r} 94.86 \\ 7.25 \\ \hline \end{array}$$

$$\begin{array}{r} 94.86 \\ 7.25 \\ \hline \end{array}$$

$$\begin{array}{r} 94.95 \\ 7.16 \\ \hline \end{array}$$

$$\begin{array}{r} 94.81 \\ 7.30 \\ \hline \end{array}$$

Sta	+	H.I	-	Elev.
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B.M.	5.89	101.80		95.91
------	------	--------	--	-------

0+00

0+20

0+40

0+60

0+80

1+00

1+20

1+40

1+60

1+80

2+00

2+20

2+40

West

2

East

W.H.C.
A.L.P.
M.G.
C.F.B.

May 1,
1926

96.72
5.08

96.72
5.08

96.49
5.31

96.51
5.29

96.77
5.33

96.36
5.94

96.15
5.65

96.09
5.71

95.96
5.84

95.80
6.00

95.71
6.09

95.64
6.16

95.51
6.29

95.39
6.41

95.40
6.40

95.30
6.50

95.16
6.64

95.14
6.66

95.16
6.64

95.06
6.74

95.01
6.79

95.07
6.73

95.06
6.74

95.00
6.80

95.04
6.76

95.09
6.71

95.02
6.78

95.00
6.80

95.05
6.75

94.97
6.83

94.94
6.86

95.00
6.80

94.89
6.91

94.84
6.96

94.95
6.85

94.85
6.95

94.83
6.97

94.93
6.87

94.80
7.00

Station	+	H.I	-	Elev.
B.M.	579	101.70		95.91
0+00				

+20

+40

+60

+80

1+00

+20

+40

+60

+80

2+00

+20

+40

West

L

East

P18

W.H.C.

P.L.P. 6-1-26

H.T.P.

1400

$$\begin{array}{r} 96.74 \\ 4.96 \end{array}$$

$$\begin{array}{r} 96.74 \\ 4.96 \end{array}$$

$$\begin{array}{r} 96.50 \\ 5.20 \end{array}$$

$$\begin{array}{r} 96.52 \\ 5.18 \end{array}$$

$$\begin{array}{r} 96.49 \\ 5.21 \end{array}$$

$$\begin{array}{r} 96.38 \\ 5.32 \end{array}$$

$$\begin{array}{r} 96.16 \\ 5.54 \end{array}$$

$$\begin{array}{r} 96.12 \\ 5.58 \end{array}$$

$$\begin{array}{r} 95.96 \\ 5.74 \end{array}$$

$$\begin{array}{r} 95.81 \\ 5.89 \end{array}$$

$$\begin{array}{r} 95.71 \\ 5.99 \end{array}$$

$$\begin{array}{r} 95.64 \\ 6.06 \end{array}$$

$$\begin{array}{r} 95.54 \\ 6.16 \end{array}$$

$$\begin{array}{r} 95.40 \\ 6.30 \end{array}$$

$$\begin{array}{r} 95.40 \\ 6.30 \end{array}$$

$$\begin{array}{r} 95.31 \\ 6.39 \end{array}$$

$$\begin{array}{r} 95.20 \\ 6.50 \end{array}$$

$$\begin{array}{r} 95.14 \\ 6.56 \end{array}$$

$$\begin{array}{r} 95.16 \\ 6.54 \end{array}$$

$$\begin{array}{r} 95.08 \\ 6.62 \end{array}$$

$$\begin{array}{r} 95.01 \\ 6.69 \end{array}$$

$$\begin{array}{r} 95.11 \\ 6.59 \end{array}$$

$$\begin{array}{r} 95.10 \\ 6.60 \end{array}$$

$$\begin{array}{r} 95.07 \\ 6.63 \end{array}$$

$$\begin{array}{r} 95.10 \\ 6.60 \end{array}$$

$$\begin{array}{r} 95.12 \\ 6.58 \end{array}$$

$$\begin{array}{r} 95.04 \\ 6.66 \end{array} \checkmark$$

$$\begin{array}{r} 95.08 \\ 6.67 \end{array}$$

$$\begin{array}{r} 95.08 \\ 6.62 \end{array}$$

$$\begin{array}{r} 95.00 \\ 6.70 \end{array}$$

$$\begin{array}{r} 94.96 \\ 6.74 \end{array}$$

$$\begin{array}{r} 95.03 \\ 6.67 \end{array}$$

$$\begin{array}{r} 94.94 \\ 6.76 \end{array}$$

$$\begin{array}{r} 94.88 \\ 6.82 \end{array}$$

$$\begin{array}{r} 94.99 \\ 6.71 \end{array}$$

$$\begin{array}{r} 94.89 \\ 6.81 \end{array}$$

2440

$$\begin{array}{r} 94.86 \\ 6.84 \end{array}$$

$$\begin{array}{r} 94.97 \\ 6.73 \end{array}$$

$$\begin{array}{r} 94.84 \\ 6.86 \end{array}$$

station	#	H.I	-	Elev.
B.M.				95.91

Gross sections

Top of Pavement.

Sta. 303+30 to 311+50

Rice St. near	Co. Road G.
Pavement	Failure

Station	+	H.I.	-	Elev.
B.M.	2.65	102.65 ✓		100. ⁰⁰
303+30				101.08
3+40				100.78
3+50				100.15
3+60				100.20
3+70				99.90
3+80				99.58
3+90				99.28
304+00				99.01
+10				98.71
+20				98.41
+30				98.11
304+40				97.79

West = Lt. 2

Rt. = East W.H.C.

(Assumed Elev.) R.R. spike in P.P. Lt. Sta. ~~30~~ 3+83
 C.W.S.
 A.L.R.
 M.B.
 R.G.

 July 31
 1925

$\frac{1.61}{12}$	$\frac{1.59}{6}$	$\frac{1.57}{6}$	$\frac{1.61}{6}$	$\frac{1.69}{12}$
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$\frac{1.94}{12}$	$\frac{1.88}{6}$	$\frac{1.87}{6}$	$\frac{1.91}{6}$	$\frac{2.02}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{2.21}{12}$	$\frac{2.17}{6}$	$\frac{2.15}{6}$	$\frac{2.19}{6}$	$\frac{2.30}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{2.51}{12}$	$\frac{2.46}{6}$	$\frac{2.45}{6}$	$\frac{2.50}{6}$	$\frac{2.60}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{2.79}{12}$	$\frac{2.78}{6}$	$\frac{2.75}{6}$	$\frac{2.80}{6}$	$\frac{2.93}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{3.11}{12}$	$\frac{3.06}{6}$	$\frac{3.07}{6}$	$\frac{3.12}{6}$	$\frac{3.23}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{3.40}{12}$	$\frac{3.36}{6}$	$\frac{3.37}{6}$	$\frac{3.43}{6}$	$\frac{3.52}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{3.67}{12}$	$\frac{3.65}{6}$	$\frac{3.64}{6}$	$\frac{3.68}{6}$	$\frac{3.79}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.02}{12}$	$\frac{3.97}{6}$	$\frac{3.94}{6}$	$\frac{4.01}{6}$	$\frac{4.13}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.24}{12}$	$\frac{4.27}{6}$	$\frac{4.24}{6}$	$\frac{4.35}{6}$	$\frac{4.53}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.71}{12}$	$\frac{4.59}{6}$	$\frac{4.54}{6}$	$\frac{4.64}{6}$	$\frac{4.85}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{5.01}{12}$	$\frac{4.87}{6}$	$\frac{4.86}{6}$	$\frac{4.98}{6}$	$\frac{5.17}{12}$
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Station	+	H.I	-	Elev.
		102.65 ✓		
304+50				97.50
4+60				97.21
4+70				96.91
304+80				96.63
+90				96.34
305+00				96.00
+10				95.70
+20				95.36
+30				95.07
+40				94.85
+50				94.63
+60				94.45
305+70				94.17

Lt.

L

Rt.

$$\frac{5.28}{12}$$

$$\frac{5.17}{6}$$

$$\frac{5.15}{6}$$

$$\frac{5.32}{6}$$

$$\frac{5.68}{12}$$

$$\frac{5.57}{12}$$

$$\frac{5.40}{6}$$

$$\frac{5.44}{6}$$

$$\frac{5.58}{6}$$

$$\frac{6.12}{12}$$

$$\frac{5.88}{12}$$

$$\frac{5.77}{6}$$

$$\frac{5.74}{6}$$

$$\frac{5.91}{6}$$

$$\frac{6.53}{12}$$

$$\frac{6.16}{12}$$

$$\frac{6.16}{6}$$

$$\frac{6.02}{6}$$

$$\frac{6.28}{6}$$

$$\frac{6.92}{12}$$

$$\frac{6.47}{12}$$

$$\frac{6.23}{6}$$

$$\frac{6.31}{6}$$

$$\frac{6.60}{6}$$

$$\frac{7.27}{12}$$

$$\frac{6.80}{12}$$

$$\frac{6.68}{6}$$

$$\frac{6.65}{6}$$

$$\frac{6.95}{6}$$

$$\frac{7.60}{12}$$

$$\frac{7.09}{12}$$

$$\frac{6.98}{6}$$

$$\frac{6.95}{6}$$

$$\frac{7.28}{6}$$

$$\frac{7.90}{12}$$

$$\frac{7.41}{12}$$

$$\frac{7.29}{6}$$

$$\frac{7.29}{6}$$

$$\frac{7.61}{6}$$

$$\frac{8.11}{12}$$

$$\frac{7.73}{12}$$

$$\frac{7.60}{6}$$

$$\frac{7.58}{6}$$

$$\frac{7.85}{6}$$

$$\frac{8.31}{12}$$

$$\frac{7.98}{12}$$

$$\frac{7.86}{6}$$

$$\frac{7.80}{6}$$

$$\frac{8.10}{6}$$

$$\frac{8.54}{12}$$

$$\frac{8.26}{12}$$

$$\frac{8.10}{6}$$

$$\frac{8.02}{6}$$

$$\frac{8.34}{6}$$

$$\frac{8.76}{12}$$

$$\frac{8.50}{12}$$

$$\frac{8.28}{6}$$

$$\frac{8.20}{6}$$

$$\frac{8.51}{6}$$

$$\frac{8.94}{12}$$

$$\frac{8.71}{12}$$

$$\frac{8.55}{6}$$

$$\frac{8.48}{6}$$

$$\frac{8.76}{6}$$

$$\frac{9.22}{12}$$

Station	+	H.I	-	Elev.
		102.65	✓	
305+80				93.99
+90				93.76
306+00				93.60
+10				93.44
+20				93.28
+30				93.16
T.P.	3.77	96.93	✓	93.16 ✓
+40				93.15
+50				92.95
+60				92.84
+70				92.75
+80				92.69
+90				92.66
307+00				92.61

4. 2 Rt.

$$\begin{array}{r} 8.92 \\ 12 \end{array} \quad \begin{array}{r} 8.70 \\ 6 \end{array} \quad \begin{array}{r} 8.66 \\ 6 \end{array} \quad \begin{array}{r} 8.93 \\ 6 \end{array} \quad \begin{array}{r} 9.41 \\ 12 \end{array}$$

$$\begin{array}{r} 9.07 \\ 12 \end{array} \quad \begin{array}{r} 8.91 \\ 6 \end{array} \quad \begin{array}{r} 8.89 \\ 6 \end{array} \quad \begin{array}{r} 9.12 \\ 6 \end{array} \quad \begin{array}{r} 9.56 \\ 12 \end{array}$$

$$\begin{array}{r} 9.26 \\ 12 \end{array} \quad \begin{array}{r} 9.11 \\ 6 \end{array} \quad \begin{array}{r} 9.05 \\ 6 \end{array} \quad \begin{array}{r} 9.24 \\ 6 \end{array} \quad \begin{array}{r} 9.71 \\ 12 \end{array}$$

$$\begin{array}{r} 9.45 \\ 12 \end{array} \quad \begin{array}{r} 9.29 \\ 6 \end{array} \quad \begin{array}{r} 9.21 \\ 6 \end{array} \quad \begin{array}{r} 9.45 \\ 6 \end{array} \quad \begin{array}{r} 9.82 \\ 12 \end{array}$$

$$\begin{array}{r} 9.56 \\ 12 \end{array} \quad \begin{array}{r} 9.41 \\ 6 \end{array} \quad \begin{array}{r} 9.37 \\ 6 \end{array} \quad \begin{array}{r} 9.51 \\ 6 \end{array} \quad \begin{array}{r} 9.90 \\ 12 \end{array}$$

$$\begin{array}{r} 9.69 \\ 12 \end{array} \quad \begin{array}{r} 9.54 \\ 6 \end{array} \quad \begin{array}{r} 9.49 \\ 6 \end{array} \quad \begin{array}{r} 9.60 \\ 6 \end{array} \quad \begin{array}{r} 9.89 \\ 12 \end{array}$$

Top of Pavement 306+30

$$\begin{array}{r} 4.05 \\ 12 \end{array} \quad \begin{array}{r} 3.91 \\ 6 \end{array} \quad \begin{array}{r} 3.78 \\ 6 \end{array} \quad \begin{array}{r} 3.95 \\ 6 \end{array} \quad \begin{array}{r} 4.27 \\ 12 \end{array}$$

$$\begin{array}{r} 4.17 \\ 12 \end{array} \quad \begin{array}{r} 4.06 \\ 6 \end{array} \quad \begin{array}{r} 3.98 \\ 6 \end{array} \quad \begin{array}{r} 4.09 \\ 6 \end{array} \quad \begin{array}{r} 4.30 \\ 12 \end{array}$$

$$\begin{array}{r} 4.28 \\ 12 \end{array} \quad \begin{array}{r} 4.15 \\ 6 \end{array} \quad \begin{array}{r} 4.09 \\ 6 \end{array} \quad \begin{array}{r} 4.20 \\ 6 \end{array} \quad \begin{array}{r} 4.37 \\ 12 \end{array}$$

$$\begin{array}{r} 4.37 \\ 12 \end{array} \quad \begin{array}{r} 4.24 \\ 6 \end{array} \quad \begin{array}{r} 4.18 \\ 6 \end{array} \quad \begin{array}{r} 4.27 \\ 6 \end{array} \quad \begin{array}{r} 4.49 \\ 12 \end{array}$$

$$\begin{array}{r} 4.42 \\ 12 \end{array} \quad \begin{array}{r} 4.31 \\ 6 \end{array} \quad \begin{array}{r} 4.24 \\ 6 \end{array} \quad \begin{array}{r} 4.35 \\ 6 \end{array} \quad \begin{array}{r} 4.53 \\ 12 \end{array}$$

$$\begin{array}{r} 4.44 \\ 12 \end{array} \quad \begin{array}{r} 4.35 \\ 6 \end{array} \quad \begin{array}{r} 4.27 \\ 6 \end{array} \quad \begin{array}{r} 4.39 \\ 6 \end{array} \quad \begin{array}{r} 4.55 \\ 12 \end{array}$$

$$\begin{array}{r} 4.47 \\ 12 \end{array} \quad \begin{array}{r} 4.38 \\ 6 \end{array} \quad \begin{array}{r} 4.32 \\ 6 \end{array} \quad \begin{array}{r} 4.43 \\ 6 \end{array} \quad \begin{array}{r} 4.61 \\ 12 \end{array}$$

Station	+	H.I	-	Elev.
		96.93	✓	
307+10				92.53
+20				92.46
+30				92.46
+40				92.43
+50				92.43
+60				92.39
+70				92.41
+80				92.35
+90				92.37
308+00				92.37
+10				92.38
+20				92.36
308+30				92.36

Lt. Z Rt.

$\frac{4.56}{12}$	$\frac{4.46}{6}$	$\frac{4.40}{6}$	$\frac{4.50}{6}$	$\frac{4.66}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.62}{12}$	$\frac{4.52}{6}$	4.47	$\frac{4.56}{6}$	$\frac{4.75}{12}$
-------------------	------------------	--------	------------------	-------------------

$\frac{4.64}{12}$	$\frac{4.52}{6}$	4.47	$\frac{4.58}{6}$	$\frac{4.77}{12}$
-------------------	------------------	--------	------------------	-------------------

$\frac{4.66}{12}$	$\frac{4.56}{6}$	4.50	$\frac{4.61}{6}$	$\frac{4.80}{12}$
-------------------	------------------	--------	------------------	-------------------

$\frac{4.69}{12}$	$\frac{4.59}{6}$	4.50	$\frac{4.60}{6}$	$\frac{4.75}{12}$
-------------------	------------------	--------	------------------	-------------------

$\frac{4.68}{12}$	$\frac{4.58}{6}$	$\frac{4.54}{6}$	$\frac{4.60}{6}$	$\frac{4.75}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.67}{12}$	$\frac{4.60}{6}$	$\frac{4.52}{6}$	$\frac{4.58}{6}$	$\frac{4.74}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.64}{12}$	$\frac{4.57}{6}$	$\frac{4.58}{6}$	$\frac{4.58}{6}$	$\frac{4.70}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.65}{12}$	$\frac{4.58}{6}$	$\frac{4.56}{6}$	$\frac{4.61}{6}$	$\frac{4.69}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.66}{12}$	$\frac{4.58}{6}$	$\frac{4.56}{6}$	$\frac{4.69}{6}$	$\frac{4.71}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.61}{12}$	$\frac{4.60}{6}$	$\frac{4.55}{6}$	$\frac{4.62}{6}$	$\frac{4.78}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.65}{12}$	$\frac{4.60}{6}$	$\frac{4.57}{6}$	$\frac{4.66}{6}$	$\frac{4.80}{12}$
-------------------	------------------	------------------	------------------	-------------------

$\frac{4.67}{12}$	$\frac{4.60}{6}$	4.57	$\frac{4.67}{6}$	$\frac{4.83}{12}$
-------------------	------------------	--------	------------------	-------------------

station	+	H.I	-	Elev.
		96.93		
308+40				92.33
+50				92.29
+60				92.32
+70				92.29
+80				92.28
+90				92.22
309+00				92.26
+10				92.26
+20				92.23
+30				92.27
+40				92.33
+50				92.36
309+60				92.43

L_f

L

R_f

$$\frac{4.69}{12}$$

$$\frac{4.61}{6}$$

$$\frac{4.60}{6}$$

$$\frac{4.70}{6}$$

$$\frac{4.84}{12}$$

$$\frac{4.69}{12}$$

$$\frac{4.65}{6}$$

$$\frac{4.64}{6}$$

$$\frac{4.74}{6}$$

$$\frac{4.90}{12}$$

$$\frac{4.71}{12}$$

$$\frac{4.65}{6}$$

$$\frac{4.61}{6}$$

$$\frac{4.74}{6}$$

$$\frac{4.92}{12}$$

$$\frac{4.71}{12}$$

$$\frac{4.66}{6}$$

$$\frac{4.64}{6}$$

$$\frac{4.78}{6}$$

$$\frac{4.95}{12}$$

$$\frac{4.72}{12}$$

$$\frac{4.67}{6}$$

$$\frac{4.65}{6}$$

$$\frac{4.79}{6}$$

$$\frac{5.03}{12}$$

$$\frac{4.80}{12}$$

$$\frac{4.70}{6}$$

$$\frac{4.71}{6}$$

$$\frac{4.87}{6}$$

$$\frac{5.09}{12}$$

$$\frac{4.77}{12}$$

$$\frac{4.70}{6}$$

$$\frac{4.67}{6}$$

$$\frac{4.84}{6}$$

$$\frac{5.07}{12}$$

$$\frac{4.74}{12}$$

$$\frac{4.69}{6}$$

$$\frac{4.67}{6}$$

$$\frac{4.84}{6}$$

$$\frac{5.05}{12}$$

$$\frac{4.75}{12}$$

$$\frac{4.71}{6}$$

$$\frac{4.70}{6}$$

$$\frac{4.83}{6}$$

$$\frac{5.04}{12}$$

$$\frac{4.70}{12}$$

$$\frac{4.67}{6}$$

$$\frac{4.66}{6}$$

$$\frac{4.80}{6}$$

$$\frac{5.02}{12}$$

$$\frac{4.65}{12}$$

$$\frac{4.59}{6}$$

$$\frac{4.60}{6}$$

$$\frac{4.75}{6}$$

$$\frac{4.98}{12}$$

$$\frac{4.62}{12}$$

$$\frac{4.57}{6}$$

$$\frac{4.57}{6}$$

$$\frac{4.71}{6}$$

$$\frac{4.91}{12}$$

$$\frac{4.52}{12}$$

$$\frac{4.49}{6}$$

$$\frac{4.50}{6}$$

$$\frac{4.65}{6}$$

$$\frac{4.92}{12}$$

station.	+	H.I	-	E lev.
		9693 ✓		
309+70				92.52
+80				92.66
+90				92.80
310+00				92.91
+10				93.11
+20				93.32
+30				93.52
+40				93.76
+50				93.98
+60				94.22
+70				94.47
+80				94.62
310+90				94.86

Lt.

L

Rt.

$$\frac{4.41}{12}$$

$$\frac{4.38}{6}$$

$$\frac{4.41}{6}$$

$$\frac{4.61}{6}$$

$$\frac{4.88}{12}$$

$$\frac{4.28}{12}$$

$$\frac{4.25}{6}$$

$$\frac{4.27}{6}$$

$$\frac{4.50}{6}$$

$$\frac{4.88}{12}$$

$$\frac{4.17}{12}$$

$$\frac{4.14}{6}$$

$$\frac{4.13}{6}$$

$$\frac{4.37}{6}$$

$$\frac{4.65}{12}$$

$$\frac{4.01}{12}$$

$$\frac{3.99}{6}$$

$$\frac{4.02}{6}$$

$$\frac{4.20}{6}$$

$$\frac{4.46}{12}$$

$$\frac{3.82}{12}$$

$$\frac{3.80}{6}$$

$$\frac{3.82}{6}$$

$$\frac{3.96}{6}$$

$$\frac{4.15}{12}$$

$$\frac{3.70}{12}$$

$$\frac{3.64}{6}$$

$$\frac{3.61}{6}$$

$$\frac{3.73}{6}$$

$$\frac{3.91}{12}$$

$$\frac{3.50}{12}$$

$$\frac{3.42}{6}$$

$$\frac{3.41}{6}$$

$$\frac{3.49}{6}$$

$$\frac{3.64}{12}$$

$$\frac{3.27}{12}$$

$$\frac{3.21}{6}$$

$$\frac{3.17}{6}$$

$$\frac{3.25}{6}$$

$$\frac{3.37}{12}$$

$$\frac{3.06}{12}$$

$$\frac{3.00}{6}$$

$$\frac{2.95}{6}$$

$$\frac{3.00}{6}$$

$$\frac{3.10}{12}$$

$$\frac{2.80}{12}$$

$$\frac{2.74}{6}$$

$$\frac{2.71}{6}$$

$$\frac{2.76}{6}$$

$$\frac{2.81}{12}$$

$$\frac{2.55}{12}$$

$$\frac{2.49}{6}$$

$$\frac{2.46}{6}$$

$$\frac{2.50}{6}$$

$$\frac{2.60}{12}$$

$$\frac{2.15}{12}$$

$$\frac{2.35}{6}$$

$$\frac{2.31}{6}$$

$$\frac{2.27}{6}$$

$$\frac{2.32}{12}$$

$$\frac{2.06}{12}$$

$$\frac{2.02}{6}$$

$$\frac{2.07}{6}$$

$$\frac{2.09}{6}$$

$$\frac{2.17}{12}$$

Station	+	H.I	-	Elev.
		96.93		
311+00				95.11

+10				95.32
-----	--	--	--	-------

+20				95.58
-----	--	--	--	-------

+30				95.81
-----	--	--	--	-------

+40				96.01
-----	--	--	--	-------

311+50				96.28
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T.R. checking, 7.53	103.71	✓	0.75	96.18 ✓
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B.M.			3.71	100.00 ✓
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Lt.

L

Rt.

$$\frac{1.90}{12}$$

$$\frac{1.81}{6}$$

$$\frac{1.82}{6}$$

$$\frac{1.86}{6}$$

$$\frac{1.97}{12}$$

$$\frac{1.70}{12}$$

$$\frac{1.62}{6}$$

$$\frac{1.61}{6}$$

$$\frac{1.63}{6}$$

$$\frac{1.72}{12}$$

$$\frac{1.43}{12}$$

$$\frac{1.36}{6}$$

$$\frac{1.35}{6}$$

$$\frac{1.38}{6}$$

$$\frac{1.43}{12}$$

$$\frac{1.23}{12}$$

$$\frac{1.15}{6}$$

$$\frac{1.12}{6}$$

$$\frac{1.14}{6}$$

$$\frac{1.21}{12}$$

$$\frac{1.03}{12}$$

$$\frac{0.93}{6}$$

$$\frac{0.92}{6}$$

$$\frac{0.92}{6}$$

$$\frac{0.92}{12}$$

$$\frac{0.77}{12}$$

$$\frac{0.67}{6}$$

$$\frac{0.65}{6}$$

$$\frac{0.64}{6}$$

$$\frac{0.68}{12}$$

plat up cross sections
 $\frac{1}{2}'' = 1'0''$ both hor & vert.

$$\begin{array}{r} 10.5 \\ 1.5 \overline{) 10.5} \\ \underline{15} \\ 15 \\ \underline{15} \\ 0 \end{array}$$