

377.788

A.O

1925

4

v.3

PROJ. 88-C

BOOK-I



U18401 4589587

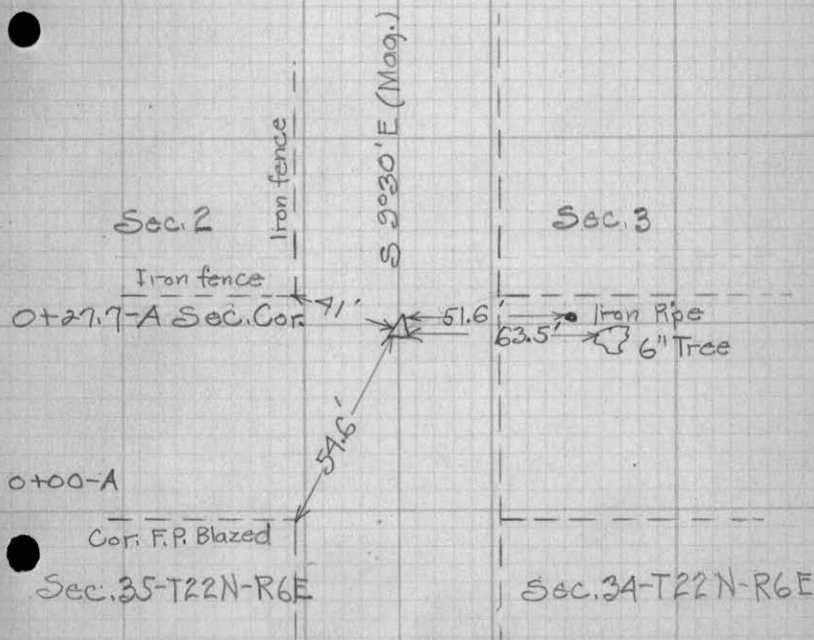
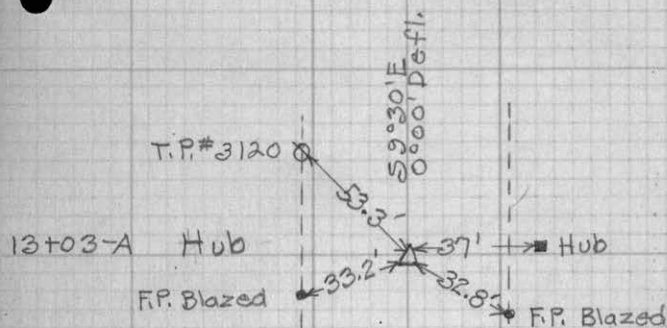
46169





# Project 88-C

## Location Notes.



# Project 88-C Location Notes

Sec. 11-22-6

Sec. 10-22-6

Nail in Tree stump

1°40' L. Defl.  
(S11°36'E)

Nail in Tree stump

52+32-A  $\frac{1}{4}$  Sec. Cor.  
Iron Pin

Nail in root of large cottonwood tree

Iron Pin

Sec. 2-22-6

Sec. 3-22-6

0°26' L. Defl. S9°56'E  
(S9°09'E Mag.)

T.P. #3115

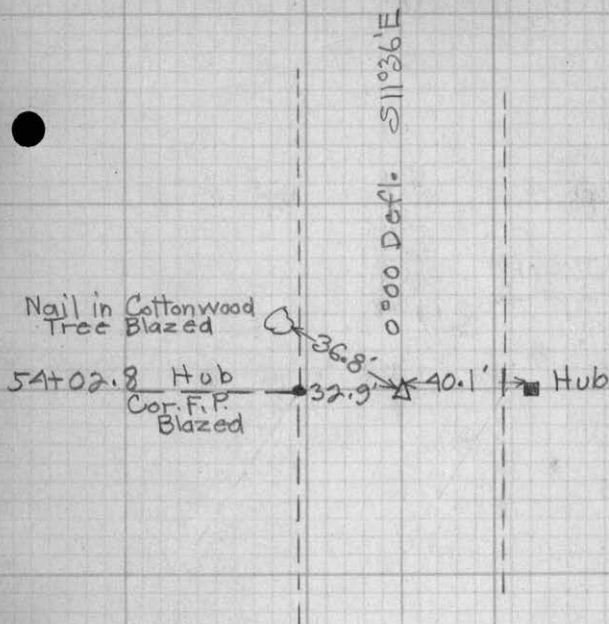
25+96.3-A  $\frac{1}{4}$  Sec. Cor.

F.P. Blazed

Iron Pipe

Equation  $\text{Sta. } 26+18-A = \text{Sta. } 26+00-A$

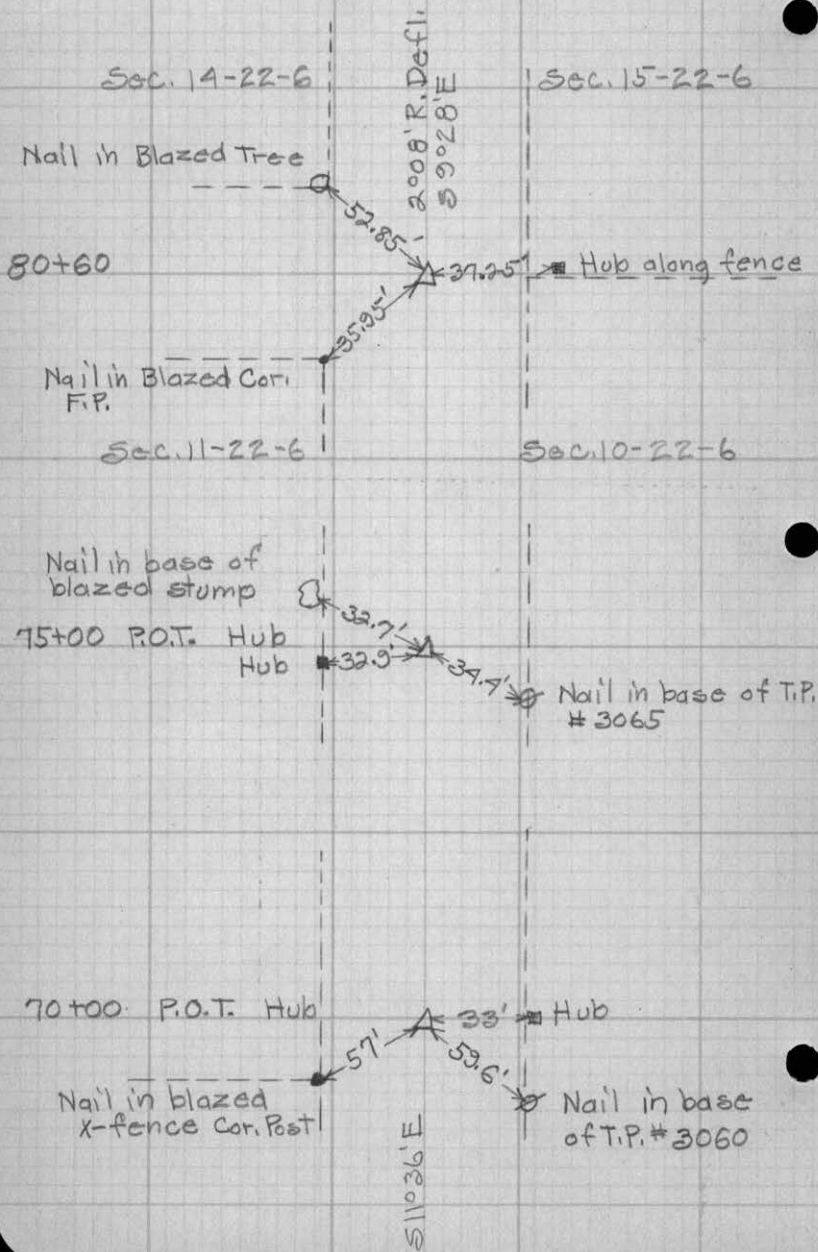
S9°30'E



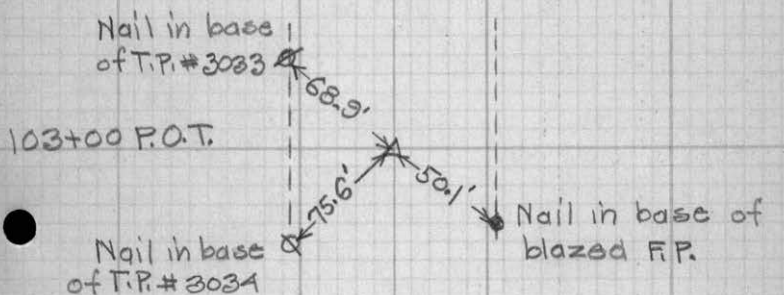
Equation  $\text{Sta. } 60+20.7-A = \text{Sta. } 35+39.8-A$

S 11°36' E

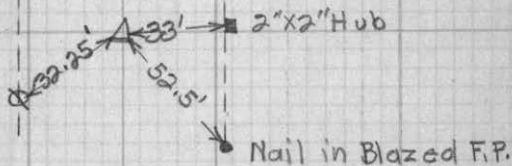
Project 88-C Location Notes



## End of Project



97+14 P.O.T. Hub

Nail in base  
of blazed T.P.  
# 3036

S 92° 0' E

Preliminary  
X-Sect.

Project 88-C Preliminary X-Sections /

# Project 88-C Prelim. X- Sect.

Sta. B.S. H.I. F.S. Elev.

+50-A

Cemetery

1+00-A

Sec. 2

T-21 N-  
R 6 E

Iron Fence

Sec. 3

+55 Iron Fence

36' x 33'

Fence

0+50-A

0+27.7-A

City Limits of West Point

0+00-A

Alto

51.6

Iron Pin  
Sec Line

63.5

6" Tree

54.6

+86

34' x 33'

Fence

B.M.

4.15

2555.52

2551.37

Tel. line

July 26, 1922

Weather: Partly cloudy, Extremely hot

A.L. Ogle,  $\pi$   
E.P. Clements, Rod  
F.E. Carriack, Chain

Sec. 3A

-1+00-A

B.M.

3.63

2555.00

2551.37

July 25, 1922

Weather: Cloudy, Showers

A.L. Ogle,  $\pi$   
E.P. Clements, Rod  
F.E. Carriack, Chain



# Project 88-C Prelim X-Sect.

2

54.2 54.4 54.2 54.4

$\frac{1.3}{33}$   $\frac{1.1}{30}$   $\frac{1.3}{26}$   $\frac{1.1}{26}$

50.2 50.6 50.3 51.5 51.3 50.9 50.9 50.6 50.6 50.3 49.5 50.1 49.9 50.6 51.2  
 $\frac{5.2}{22}$   $\frac{1.9}{19}$   $\frac{5.2}{16}$   $\frac{1.0}{10}$   $\frac{1.2}{8}$   $\frac{1.6}{7}$   $\frac{1.6}{4}$   $\frac{1.9}{8}$   $\frac{1.9}{8}$   $\frac{5.2}{18}$   $\frac{6.0}{21}$   $\frac{5.1}{22}$   $\frac{5.6}{31}$   $\frac{4.9}{31}$   $\frac{4.3}{33}$

53.9 53.4 52.9 50.4 51.4 51.3 51.2 50.7 51.0 50.7 50.9 51.8

$\frac{1.6}{33}$   $\frac{2.1}{29}$   $\frac{2.6}{24}$   $\frac{5.1}{16}$   $\frac{1.1}{8}$   $\frac{1.2}{19}$   $\frac{1.3}{22}$   $\frac{1.8}{22}$   $\frac{1.5}{23}$   $\frac{1.8}{24}$   $\frac{1.6}{29}$   $\frac{3.7}{33}$

51.2 51.0 51.2 50.7 50.7 49.9 50.0 49.6 50.4 50.5 50.6

$\frac{1.3}{32}$   $\frac{1.5}{19}$   $\frac{1.3}{9}$   $\frac{1.8}{7}$   $\frac{1.8}{20}$   $\frac{5.6}{22}$   $\frac{5.5}{22}$   $\frac{5.9}{28}$   $\frac{5.1}{30}$   $\frac{5.0}{33}$   $\frac{1.9}{33}$  Top Hub

As below

50.9 50.9 50.3 50.1 49.9 49.5 49.9 49.7 49.6 49.2 48.9 48.9 48.9

$\frac{1.1}{33}$   $\frac{1.1}{28}$   $\frac{1.7}{25}$   $\frac{1.9}{22}$   $\frac{5.1}{11}$   $\frac{5.5}{9}$   $\frac{5.1}{7}$   $\frac{5.3}{4}$   $\frac{5.4}{20}$   $\frac{5.8}{23}$   $\frac{6.1}{28}$   $\frac{6.1}{34}$

Spike in T.P. Snub Pole R. Sta. 0+30-A

# Project 88-C Prelim. X Sect.

| Sta. | B.S. | H.I.    | F.S.  | Elev.   |
|------|------|---------|-------|---------|
| T.P. | 5.54 | 2529.11 | 11.67 | 2523.57 |

6-A

+10 Priv. Road

5-A

+20 Iron fence ends

4.55 2530.69

A-A

|      |      |         |       |         |
|------|------|---------|-------|---------|
| T.P. | 0.68 | 2535.24 | 11.09 | 2534.56 |
|------|------|---------|-------|---------|

3-A

4.54 2541.11

|      |      |         |       |         |
|------|------|---------|-------|---------|
| T.P. | 0.64 | 2545.65 | 10.51 | 2545.01 |
|------|------|---------|-------|---------|

2+00-A

2555.52

Nail in F.P.R. Sta. 6+05

|           |           |           |           |           |            |            |            |            |            |            |
|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| 268       | 262       | 262       | 2578      | 2578      | 2416       | 228        | 227        | 221        | 231        | 231        |
| <u>84</u> | <u>90</u> | <u>90</u> | <u>91</u> | <u>91</u> | <u>106</u> | <u>124</u> | <u>125</u> | <u>131</u> | <u>121</u> | <u>121</u> |
| 32        | 29        | 12        |           | 10        | 12         | 18         | 25         | 28         | 31         | 33         |

|           |           |           |           |           |           |           |           |           |            |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| 302       | 287       | 276       | 279       | 283       | 281       | 278       | 271       | 260       | 244        |
| <u>50</u> | <u>65</u> | <u>76</u> | <u>73</u> | <u>69</u> | <u>71</u> | <u>74</u> | <u>81</u> | <u>92</u> | <u>108</u> |
| 33        | 28        | 24        | 14        | 12        |           | 6         | 13        | 16        | 33         |

Nail in F.P.R. Sta. 3+88

|           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 346       | 340       | 332       | 323       | 317       | 315       | 312       | 316       | 315       | 316       | 314       | 310       | 311       | 299       | 296       | 292       | 289       |
| <u>06</u> | <u>12</u> | <u>20</u> | <u>29</u> | <u>35</u> | <u>37</u> | <u>40</u> | <u>36</u> | <u>37</u> | <u>36</u> | <u>38</u> | <u>42</u> | <u>41</u> | <u>53</u> | <u>56</u> | <u>60</u> | <u>63</u> |
| 33        | 29        | 26        | 25        | 22        | 11        | 9         | 7         |           | 4         | 8         | 14        | 16        | 19        | 23        | 32        | 33        |

Nail in F.P.R. Sta. 3+15

|           |           |
|-----------|-----------|
| 423       | 418       |
| <u>34</u> | <u>39</u> |
| 33        | 28        |

|           |           |           |           |           |           |           |           |           |           |            |            |            |            |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| 413       | 393       | 367       | 373       | 368       | 367       | 375       | 370       | 367       | 363       | 350        | 354        | 353        | 356        |
| <u>14</u> | <u>64</u> | <u>90</u> | <u>84</u> | <u>89</u> | <u>90</u> | <u>82</u> | <u>87</u> | <u>90</u> | <u>94</u> | <u>107</u> | <u>103</u> | <u>104</u> | <u>101</u> |
| 24        | 22        | 17        | 9         | 8         | 6         | 5         |           | 12        | 18        | 22         | 22         | 31         | 33         |

Nail in F.P.R. Sta. 2+25

Nail in F.P.R. Sta. 1+95

|            |            |
|------------|------------|
| 443        | 443        |
| <u>112</u> | <u>112</u> |
| 32         | 33         |

|           |           |           |            |            |            |            |            |            |            |            |            |            |
|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 449       | 445       | 473       | 451        | 449        | 443        | 441        | 441        | 435        | 424        | 425        | 422        | 421        |
| <u>56</u> | <u>60</u> | <u>82</u> | <u>104</u> | <u>106</u> | <u>112</u> | <u>114</u> | <u>114</u> | <u>120</u> | <u>131</u> | <u>130</u> | <u>133</u> | <u>129</u> |
| 33        | 26        | 21        | 16         | 7          | 6          |            | 11         | 18         | 21         | 26         | 28         | 31         |

# Project 88-C Prelim. X- Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

9-A

+70-A

4.30 2524.81

8-A

Y---Y 18"X18' Corr. Iron Pipe

+25-A

7-A

+80-A

6+40-A

2529.11

# Project 88-C Prelim. X- Sect.

4

24.8 23.5 21.7 21.4 22.2 24.5 24.2 24.0 22.5 22.0 21.5 22.1 22.3

$\frac{4.3}{33} \frac{5.6}{30} \frac{7.4}{28} \frac{7.7}{26} \frac{6.9}{20} \frac{4.6}{15} 4.9 \frac{5.1}{11} \frac{6.6}{15} \frac{7.1}{22} \frac{7.6}{29} \frac{7.0}{31} \frac{6.8}{33}$

24.7 24.7 21.6 21.1 21.7 22.1 24.2 24.1 24.1 23.8 23.1 22.5 21.4 24.7 21.7 22.4 22.3  
 $\frac{4.4}{34} \frac{4.4}{32} \frac{7.5}{29} \frac{8.0}{26} \frac{7.4}{24} \frac{7.0}{20} \frac{4.9}{15} \frac{5.0}{8} 5.0 \frac{5.3}{10} \frac{6.0}{12} \frac{6.6}{15} \frac{7.7}{18} \frac{8.4}{24} \frac{7.4}{29} \frac{6.7}{32} \frac{6.8}{33}$

Nail in T.P. # 3128

L. Sta. 8+10

23.8 23.0

$\frac{5.3}{18} \frac{6.1}{12}$

24.7 23.9 22.5 22.3 24.1 24.1 24.0 22.6 21.2 20.3 19.7 20.9 22.0 22.3

$\frac{4.4}{34} \frac{5.2}{31} \frac{6.6}{28} \frac{6.8}{21} \frac{5.0}{14} \frac{5.0}{6} 5.1 \frac{6.5}{14} \frac{7.9}{17} \frac{8.8}{20} \frac{9.4}{28} \frac{8.2}{30} \frac{7.1}{31} \frac{6.8}{33}$

25.3 24.1 23.3 23.4 24.1 23.8 24.6 24.2 24.0 22.7 21.0 20.4 20.3 20.9 22.1 22.2

$\frac{3.8}{32} \frac{4.7}{30} \frac{5.9}{28} \frac{5.7}{22} \frac{5.0}{21} \frac{5.3}{16} \frac{4.5}{13} 4.9 \frac{5.1}{10} \frac{6.4}{13} \frac{8.1}{18} \frac{8.7}{21} \frac{8.8}{29} \frac{8.2}{32} \frac{7.0}{32} \frac{6.9}{33}$

25.6 24.6 24.4 24.5 25.0 24.7 24.4 24.4 23.3 21.2 20.6 20.7 20.9 22.4 22.4

$\frac{3.5}{32} \frac{4.5}{30} \frac{4.7}{23} \frac{4.6}{14} \frac{4.1}{12} \frac{4.4}{11} 4.7 \frac{4.7}{9} \frac{5.8}{12} \frac{7.9}{18} \frac{8.5}{22} \frac{8.4}{28} \frac{8.2}{30} \frac{6.7}{32} \frac{6.7}{33}$

26.1 25.1 24.6 24.0 23.6 25.0 24.7 24.6 23.0 22.1 21.3 22.7 22.8

$\frac{3.0}{32} \frac{4.0}{30} \frac{4.5}{16} \frac{5.1}{15} \frac{5.5}{11} \frac{4.1}{10} 4.4 \frac{4.5}{6} \frac{6.1}{8} \frac{7.0}{18} \frac{7.8}{27} \frac{6.4}{32} \frac{6.3}{33}$

26.1 25.3 25.5 25.5 25.2 25.1 23.5 21.5 21.1 21.3 22.6

$\frac{3.0}{32} \frac{3.8}{29} \frac{3.6}{22} \frac{3.6}{11} 3.9 \frac{4.0}{9} \frac{5.6}{14} \frac{7.6}{19} \frac{8.0}{23} \frac{7.8}{31} \frac{6.5}{33}$

# Project 88-C Prelim. X- Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

+55-A

+35-A

T.P.# 3120

33.2'

4.10

2528.44

+03

37.1'

2"x2" Hub

13-A

32.8'

F.P. Bl.

+26



100'  
House

12-A

T.P.

8.38

2532.54

4.95

2524.16

+85

Trees  
end



11-A

+100



Trees

10-A

# Project 88-C Prelim. X-Sect.

5

2815 285 288 2816 2912 2910 2910 2816 2618 2514 2415 2616 2619

$\frac{4.0}{32}$   $\frac{4.0}{23}$   $\frac{3.7}{19}$   $\frac{3.9}{12}$   $\frac{3.3}{9}$  3.5  $\frac{2.5}{6}$   $\frac{3.9}{8}$   $\frac{5.7}{14}$   $\frac{7.1}{17}$   $\frac{8.0}{27}$   $\frac{5.9}{28}$   $\frac{5.6}{31}$

2818 2814 2813 2719 2810 2815 2716 2711 2713 2712 2515

$\frac{3.7}{34}$   $\frac{4.1}{17}$   $\frac{4.2}{11}$  4.6  $\frac{4.5}{6}$   $\frac{4.0}{8}$   $\frac{4.9}{11}$   $\frac{5.4}{19}$   $\frac{5.2}{28}$   $\frac{5.3}{34}$   $\frac{7.0}{39}$

Nail in F.P. L. Sta. 13+06

2719 2714 2715 2715 2711 2712 2712 2711 2710 2712 2619 2617 2616

$\frac{4.6}{33}$   $\frac{5.1}{28}$   $\frac{5.0}{23}$   $\frac{5.0}{17}$   $\frac{5.4}{9}$   $\frac{5.2}{6}$  5.3  $\frac{5.4}{3}$   $\frac{5.5}{7}$   $\frac{5.3}{10}$   $\frac{5.6}{15}$   $\frac{5.8}{22}$   $\frac{5.9}{33}$

2618 2617 2710 2615 2613 2610 2514 2516 2513

$\frac{5.7}{33}$   $\frac{5.8}{22}$   $\frac{5.5}{16}$   $\frac{6.0}{11}$  6.2  $\frac{6.5}{12}$   $\frac{7.1}{16}$   $\frac{6.9}{16}$   $\frac{7.2}{33}$

Nail in F.P. R. Sta. 10+95

261 257 239 235 241 251 259 257 253 244 240 24.0

$\frac{3.0}{33}$   $\frac{3.4}{32}$   $\frac{5.2}{29}$   $\frac{5.6}{24}$   $\frac{5.0}{19}$   $\frac{4.0}{17}$   $\frac{3.2}{14}$  3.4  $\frac{3.8}{12}$   $\frac{4.7}{15}$   $\frac{5.1}{31}$   $\frac{5.1}{33}$

2514 2419 228 225 2514 2510 2418 2511 2315 2219 2312 2218

$\frac{3.7}{34}$   $\frac{4.2}{32}$   $\frac{6.3}{29}$   $\frac{6.6}{25}$   $\frac{3.7}{16}$  4.1  $\frac{4.3}{10}$   $\frac{4.0}{11}$   $\frac{5.6}{15}$   $\frac{6.2}{18}$   $\frac{5.9}{29}$   $\frac{6.3}{33}$



# Project 88-C Prelim. X- Sect.

Stn.

B.S.

H.I.

F.S.

Elev.

16-A

15-A

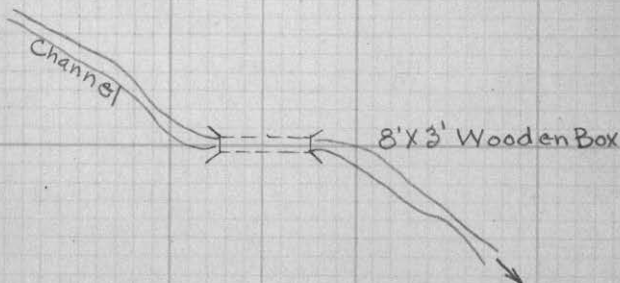
+40-A

14-A

+80-A

+63-A

13+60-A





# Project 88-C Prelim. X-Sect.

267 263 257 263 257 264 264 267 267 267 262 244 253 249 259 252 6  
 $\frac{518}{24} \frac{62}{29} \frac{68}{24} \frac{62}{20} \frac{68}{18} \frac{61}{16} \frac{61}{8} \frac{518}{6} 518 \frac{518}{9} \frac{63}{13} \frac{81}{17} \frac{72}{21} \frac{76}{26} \frac{66}{31} \frac{73}{33}$

272 268 271 269 275 273 273 269 272 256 264 264 256  
 $\frac{53}{33} \frac{57}{23} \frac{54}{20} \frac{56}{16} \frac{50}{13} \frac{52}{12} 512 \frac{516}{11} \frac{53}{14} \frac{69}{17} \frac{61}{21} \frac{61}{30} \frac{69}{33}$

285 284 278 278 273 280 276 273 273 264 262 254 251  
 $\frac{40}{33} \frac{41}{30} \frac{47}{27} \frac{47}{15} \frac{52}{14} \frac{45}{11} \frac{49}{10} 512 \frac{512}{12} \frac{61}{17} \frac{63}{27} \frac{71}{30} \frac{74}{33}$

289 290 280 280 280 277 275 274 275 272 276 272 265  
 $\frac{316}{32} \frac{35}{29} \frac{45}{25} \frac{45}{19} \frac{45}{11} \frac{48}{9} \frac{50}{4} 511 \frac{510}{11} \frac{53}{13} \frac{49}{14} \frac{53}{29} \frac{60}{33}$

289 293 292 285 290 282 280 284 275 270 264 265 255  
 $\frac{316}{34} \frac{32}{21} \frac{33}{27} \frac{40}{18} \frac{35}{14} \frac{43}{9} 4.5 \frac{41}{9} \frac{50}{13} \frac{55}{18} \frac{61}{21} \frac{60}{25} \frac{70}{33}$

272 278 270 271 268 254 267 285 290 290 288 271 264 272 270 259  
 $\frac{513}{32} \frac{47}{28} \frac{55}{26} \frac{54}{20} \frac{57}{14} \frac{71}{12} \frac{58}{10} \frac{70}{7} 3.5 \frac{35}{9} \frac{37}{12} \frac{54}{14} \frac{61}{22} \frac{53}{26} \frac{55}{32} \frac{66}{32}$

281 271 272 265 252 251 291 291 292 255 270 272 270 257  
 $\frac{44}{32} \frac{54}{27} \frac{53}{20} \frac{60}{13} \frac{73}{10} \frac{74}{7} \frac{34}{7} \frac{34}{7} \frac{33}{9} \frac{70}{9} \frac{55}{11} \frac{53}{17} \frac{55}{29} \frac{68}{33}$

# Project 88-C Prelim. X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 6.60 | 2531.29 | 5.27 | 2524.69 |

|      |     |         |                           |  |
|------|-----|---------|---------------------------|--|
| 21-A | +25 | )-----( | 18"X18' Corn<br>Iron Pipe |  |
|------|-----|---------|---------------------------|--|

20-A

19-A

4.28

2525.68

18-A

17-A

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 3.07 | 2529.96 | 5.65 | 2526.89 |
|------|------|---------|------|---------|

2532.54

Nail in T.P. # 3119 L. Sta. 21+25

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 241 | 230 | 228 | 233 | 227 | 243 | 242 | 245 | 242 | 222 | 227 | 219 | 225 | 227 | 237 | 237 |
| 59  | 70  | 72  | 67  | 73  | 57  | 58  | 55  | 58  | 78  | 73  | 81  | 75  | 78  | 63  | 63  |
| 35  | 31  | 26  | 19  | 18  | 15  | 12  |     | 13  | 17  | 18  | 21  | 22  | 27  | 32  | 33  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 246 | 244 | 236 | 245 | 244 | 244 | 245 | 241 | 223 | 232 | 227 | 236 | 234 |
| 54  | 56  | 64  | 55  | 56  | 56  | 55  | 59  | 77  | 68  | 73  | 64  | 66  |
| 34  | 26  | 19  | 15  | 12  | 6   |     | 14  | 17  | 19  | 26  | 30  | 33  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 254 | 250 | 236 | 246 | 241 | 248 | 246 | 248 | 248 | 246 | 228 | 235 | 235 | 230 | 240 | 240 |
| 46  | 50  | 64  | 54  | 59  | 52  | 54  | 52  | 52  | 54  | 72  | 65  | 65  | 70  | 60  | 60  |
| 35  | 31  | 26  | 22  | 20  | 16  | 13  | 6   |     | 12  | 17  | 19  | 23  | 27  | 31  | 33  |

Nail in T.P. # 3121 L. Sta. 18+70

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 258 | 254 | 246 | 253 | 246 | 253 | 251 | 252 | 252 | 250 | 234 | 241 | 240 | 235 | 247 | 245 |
| 42  | 46  | 54  | 47  | 54  | 47  | 49  | 48  | 48  | 50  | 66  | 59  | 60  | 65  | 53  | 55  |
| 34  | 30  | 25  | 20  | 17  | 15  | 13  | 6   |     | 13  | 17  | 19  | 22  | 26  | 31  | 33  |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 262 | 258 | 253 | 257 | 251 | 256 | 257 | 256 | 256 | 256 | 236 | 247 | 244 | 251 | 248 |
| 38  | 42  | 47  | 43  | 49  | 44  | 43  | 44  | 44  | 44  | 64  | 53  | 56  | 49  | 52  |
| 33  | 28  | 24  | 21  | 19  | 16  | 14  | 5   |     | 13  | 17  | 19  | 24  | 31  | 33  |

Nail in T.P. # 3123 L. Sta. 16+05

# Project 88-C Prelim. X- Sect.

| Sta.                                                                                                     | B.S.                                                                              | H.I.    | F.S.                                                                                                                                                                                                                                                                                                                                                              | Elev.   |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Equation $26+18=26+00$  |                                                                                   |         |                                                                                                                                                                                                                                                                                                                                                                   |         |
|                                                                                                          |  |         | <br><br><br> + 25 Trees begin |         |
| 26-A                                                                                                     |                                                                                   |         |                                                                                                                                                                                                                                                                                                                                                                   |         |
| T.P.                                                                                                     | 8.90                                                                              | 2537.33 | 2.86                                                                                                                                                                                                                                                                                                                                                              | 2528.43 |
| 25-A                                                                                                     |                                                                                   |         |                                                                                                                                                                                                                                                                                                                                                                   |         |
| 24-A                                                                                                     |                                                                                   |         |                                                                                                                                                                                                                                                                                                                                                                   |         |
| 23-A                                                                                                     |                                                                                   |         |                                                                                                                                                                                                                                                                                                                                                                   |         |
|                                                                                                          |                                                                                   |         | 5.87                                                                                                                                                                                                                                                                                                                                                              | 2525.42 |
| 22-A                                                                                                     |                                                                                   |         |                                                                                                                                                                                                                                                                                                                                                                   |         |
|                                                                                                          |                                                                                   | 2531.29 |                                                                                                                                                                                                                                                                                                                                                                   |         |

2531.29

# Project 88-C Prelim. X- Sect.

29.6 29.0 29.4 29.1 29.3 29.7 29.5 29.3 29.2 28.7 29.6 29.3 29.4  
 7.7 8.3 7.9 8.2 8.0 7.6 7.8 8.0 8.1 8.6 7.7 8.0 7.9  
 32 29 20 17 9 5 7 12 20 23 30 33

8

29.1 28.7 29.0 29.2 28.8 29.1 29.3 29.3 28.8 29.0 28.8 28.2 29.4 29.5  
 8.2 8.6 8.3 8.1 8.5 8.2 8.0 8.0 8.5 8.3 8.5 9.1 7.9 7.8  
 34 31 25 19 15 9 4 8 10 14 22 26 33

Nail in T.P. # 3116 L. Sta. 25+15

29.3 29.6 29.0 29.5 29.7 29.3 29.9 29.5 29.6 29.7 29.2 29.8 29.3 29.5  
 4.0 3.7 4.3 3.8 3.6 4.0 3.4 3.8 3.7 3.6 5.1 5.5 5.0 5.8  
 34 31 29 28 22 21 16 13 11 15 25 31 33

26.3 25.9 26.3 26.5 25.8 26.4 26.6 26.5 26.3 26.2 24.6 24.7 23.7  
 5.0 5.4 5.0 4.8 5.5 4.9 4.7 4.8 5.0 5.1 6.7 6.6 7.6  
 34 31 28 22 20 16 11 7 11 15 29 33

24.9 24.8 24.4 24.7 25.2 24.4 25.4 25.3 25.1 24.8 24.4 23.6 23.1 23.6 23.2  
 6.1 6.5 6.9 6.6 6.1 6.9 5.9 6.0 6.2 6.5 6.9 7.7 8.2 7.7 8.1  
 34 31 29 28 21 18 15 12 10 13 15 22 31 33

Nail in T.P. # 3118 L. Sta. 22+60

24.2 24.4 23.8 24.4 23.6 24.5 24.5 23.8 24.7 22.1 24.7 24.5 24.8 22.4 22.6  
 7.1 6.9 7.5 6.9 7.7 6.8 6.8 7.5 9.6 9.2 9.6 9.8 9.5 8.9 8.7  
 34 31 29 19 18 14 13 18 19 23 21 31 32 33

# Proj. 88-C Prelim. X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

+80-A

28-A

B.M.

4.71

2541.12

2536.41

(O) (O) (O) Trees  
 +50 Pri. Road  
 (O) (O) (O) (O)  
 (O) Trees end

28+00-A

T.P.

10.09

2546.50

0.92

2536.41

July 28, 1922 Weather: Rain, Cloudy, Cool

A.L. Oglesby

E.P. Clements, Rod

F.E. Corrick, Chain

27+50-A

27-A

2537.33

# Project 88-C Prelim. X-Sect.

9

36.6 36.5 37.0 37.3 37.6 37.7 37.9 37.9

$\frac{4.5}{3.3}$   $\frac{4.6}{1.9}$   $\frac{4.1}{.9}$  3.8  $\frac{3.5}{.8}$   $\frac{3.4}{1.3}$   $\frac{3.2}{.28}$   $\frac{3.2}{.36}$

32.6 31.8

$\frac{8.5}{20}$   $\frac{9.3}{.33}$

As below

35.2 35.6

$\frac{11.3}{33}$   $\frac{10.9}{31}$

34.1 34.6 34.9 34.4 34.5 33.6 34.3 33.9 34.7 34.7 34.3

$\frac{12.4}{26}$   $\frac{11.9}{24}$   $\frac{11.6}{21}$   $\frac{12.1}{17}$   $\frac{12.0}{16}$   $\frac{12.9}{12}$   $\frac{12.2}{12}$   $\frac{12.6}{3}$   $\frac{11.8}{1}$   $\frac{11.8}{1}$   $\frac{12.2}{3}$

Spike in T.P. # 3113 L. Sta. 28+10

33.1 32.3 32.6 32.6 32.3 32.7 32.7 33.5 33.6 32.7 32.1 31.5 31.2 31.0 30.4

$\frac{4.2}{33}$   $\frac{5.0}{24}$   $\frac{5.0}{12}$   $\frac{4.7}{8}$   $\frac{5.0}{7}$   $\frac{4.6}{5}$   $\frac{4.6}{2}$   $\frac{3.8}{1}$   $\frac{3.7}{4}$   $\frac{4.6}{12}$   $\frac{5.2}{18}$   $\frac{5.8}{27}$   $\frac{6.1}{29}$   $\frac{6.3}{33}$   $\frac{6.9}{33}$

31.7 31.0 31.5 31.2 31.6 31.3 31.5 31.5 32.0 31.3 30.5 30.2 29.5

$\frac{5.6}{33}$   $\frac{6.3}{27}$   $\frac{5.8}{16}$   $\frac{6.1}{11}$   $\frac{5.7}{6}$   $\frac{6.0}{3}$   $\frac{5.8}{3}$   $\frac{5.3}{5}$   $\frac{6.0}{11}$   $\frac{6.8}{20}$   $\frac{7.1}{29}$   $\frac{7.8}{33}$



# Project 88-C Prelim. X- Sect.

| Sta. | B.S.  | H.I.    | F.S. | Elev.   |
|------|-------|---------|------|---------|
| T.P. | 12.29 | 2556.55 | 8.54 | 2544.26 |

30-A

29+50-A

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 8.54 | 2552.80 | 1.97 | 2544.26 |
|------|------|---------|------|---------|

< 100' >  Hs.  
+30

29-A

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 9.82 | 2546.23 | 4.71 | 2536.41 |
|------|------|---------|------|---------|

29-A

2541.12



Nail in T.P. # 3112 L. Sta. 29+40

|           |            |            |            |            |            |            |
|-----------|------------|------------|------------|------------|------------|------------|
| 48.1      | 48.8       | 49.8       | 50.7       | 51.7       | 52.6       | 52.6       |
| <u>47</u> | <u>4.0</u> | <u>3.0</u> | <u>2.1</u> | <u>1.1</u> | <u>0.2</u> | <u>0.2</u> |
| 33        | 22         | 11         |            | 7          | 22         | 33         |

|            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 44.0       | 44.7       | 45.8       | 46.5       | 47.2       | 47.1       | 46.5       | 48.4       | 48.6       |
| <u>8.8</u> | <u>8.1</u> | <u>7.0</u> | <u>6.3</u> | <u>5.6</u> | <u>5.7</u> | <u>6.3</u> | <u>4.4</u> | <u>4.2</u> |
| 33         | 25         | 12         |            | 7          | 14         | 23         | 31         | 33         |

Nail in T.P. # 3112 L. Sta. 29+40

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 40.7       | 40.7       | 41.2       | 41.6       | 41.3       |
| <u>5.5</u> | <u>5.5</u> | <u>5.0</u> | <u>4.6</u> | <u>4.9</u> |
| 6          | 13         | 18         | 28         | 33         |

As below

|            |            |            |            |
|------------|------------|------------|------------|
| 38.4       | 39.3       | 40.0       | 40.5       |
| <u>2.7</u> | <u>1.8</u> | <u>1.1</u> | <u>0.6</u> |
| 33         | 18         | 10         |            |

# Project 88-C Prelim. X- Sect.

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 33-A |      |         |      |         |
| T.P. | 5.37 | 2562.89 | 5.36 | 2557.52 |

32-A

31+50-A

31-A

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 8.34 | 2562.88 | 2.01 | 2554.54 |
|------|------|---------|------|---------|

30+50-A

2556.55

# Project 88-C Prelim X-Sect.

11

59.0 59.3 59.5 59.9 59.8 59.8 59.0 58.1

$\frac{3.9}{33}$   $\frac{3.6}{33}$   $\frac{3.4}{12}$   $\frac{3.0}{1}$   $3.1$   $\frac{3.1}{3}$   $\frac{3.9}{15}$   $\frac{4.8}{33}$

Nail Top Hub L. Sta. 32

58.2 58.8 59.5 60.0 60.1 60.4 60.6 60.6

$\frac{4.7}{33}$   $\frac{4.1}{20}$   $\frac{3.4}{11}$   $\frac{2.9}{5}$   $2.8$   $\frac{2.5}{7}$   $\frac{2.3}{13}$   $\frac{2.3}{33}$

56.8 57.3 57.8 58.4 58.5 59.3 59.4 59.6

$\frac{6.1}{33}$   $\frac{5.6}{22}$   $\frac{5.1}{11}$   $\frac{4.5}{4}$   $4.4$   $\frac{3.6}{9}$   $\frac{3.5}{19}$   $\frac{3.3}{33}$

54.7 55.7 57.0 57.4 58.1 58.4 52.4 58.1

$\frac{8.2}{33}$   $\frac{7.2}{17}$   $\frac{5.9}{5}$   $\frac{5.5}{5}$   $\frac{4.8}{7}$   $\frac{4.5}{16}$   $\frac{4.5}{28}$   $\frac{4.8}{33}$

Nail in T.P. # 3111 L. Sta. 30+80

51.7 52.8 53.8 54.4 54.8 55.9 57.4 57.4

$\frac{4.9}{33}$   $\frac{3.8}{21}$   $\frac{2.8}{9}$   $2.2$   $\frac{1.8}{5}$   $\frac{0.7}{8}$   $\frac{-0.8}{22}$   $\frac{-0.8}{33}$

Negative Rod.

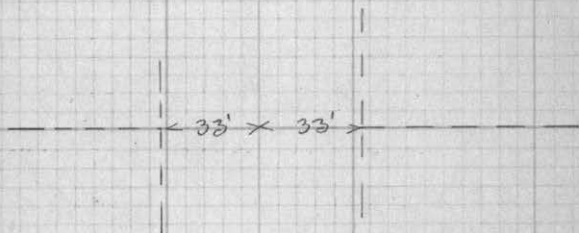
Negative Rod

# Project 88-C Prelim. X-Section.

| Sta. | B.S. | H.I.    | F.S.  | Elev.   |
|------|------|---------|-------|---------|
| 36-A |      |         |       |         |
| T.P. | 0.98 | 2541.64 | 11.94 | 2540.66 |

+50-A

35-A



|      |      |         |       |         |
|------|------|---------|-------|---------|
| T.P. | 1.51 | 2552.60 | 11.80 | 2551.09 |
|------|------|---------|-------|---------|

+50-A

34-A

2562.89

# Project 88-C Prelim. X - Sect.

12

35.0 35.0 34.5 34.5 33.1 31.9 32.3 31.9 32.2 31.1 31.0

$\frac{6.6}{33}$   $\frac{6.6}{24}$   $\frac{7.1}{13}$   $\frac{7.1}{2}$  8.5  $\frac{9.7}{4}$   $\frac{9.3}{8}$   $\frac{9.7}{10}$   $\frac{9.4}{14}$   $\frac{10.5}{26}$   $\frac{10.6}{23}$

Nail Top Hub L. Sta. 35+75

43.7 43.7 43.5 44.4 44.6 43.6 42.3 42.4 42.0 42.0

$\frac{8.9}{34}$   $\frac{8.9}{33}$   $\frac{9.1}{21}$   $\frac{8.2}{8}$   $\frac{8.0}{3}$  9.0  $\frac{10.3}{4}$   $\frac{10.2}{18}$   $\frac{10.6}{26}$   $\frac{10.6}{33}$

50.8 50.8 50.5 51.1 51.6 50.7 50.0 49.6 49.5 48.8 49.0

$\frac{1.8}{35}$   $\frac{1.8}{33}$   $\frac{2.1}{20}$   $\frac{1.5}{11}$   $\frac{1.0}{4}$  1.9  $\frac{2.6}{2}$   $\frac{3.0}{6}$   $\frac{3.1}{14}$   $\frac{3.8}{25}$   $\frac{3.6}{33}$

Nail Top Hub L. Sta. 35

55.8 55.6 55.2 55.9 55.9 55.0 54.2 53.2 52.7

$\frac{7.1}{36}$   $\frac{7.3}{33}$   $\frac{7.7}{20}$   $\frac{7.0}{4}$  7.0  $\frac{7.9}{1}$   $\frac{8.7}{8}$   $\frac{9.7}{20}$   $\frac{10.2}{33}$

57.7 57.6 57.5 58.0 57.5 56.8 55.5 55.2

$\frac{5.2}{37}$   $\frac{5.3}{33}$   $\frac{5.4}{17}$  4.9  $\frac{5.4}{1}$   $\frac{6.1}{10}$   $\frac{7.4}{23}$   $\frac{7.7}{33}$

## Project 88-C Prelim. X-Sect.

Stol.

B.S.

H.I.

F.S.

Elev.

38-A

37+70-A

37+25-A

T.P.

4.28

2523.87

11.15

2519.59

37-A

36+50-A

T.P.

0.74

2530.74

11.64

2530.00

2541.64

# Project 88-C Prelim. X- Sect.

13

18.5 18.6 19.2 19.1 19.3 18.9 18.9

$\frac{5.1}{3.3}$   $\frac{5.3}{1.8}$  1.7  $\frac{4.8}{9}$   $\frac{4.6}{1.3}$   $\frac{5.0}{2.3}$   $\frac{5.0}{2.3}$

19.1 18.9 19.0 19.3 19.0 19.3 18.9 18.8

$\frac{4.8}{3.3}$   $\frac{5.0}{2.5}$   $\frac{4.9}{1.2}$  4.6  $\frac{4.9}{9}$   $\frac{4.6}{1.7}$   $\frac{5.0}{2.3}$   $\frac{5.1}{3.3}$

17.5 17.6 17.7 18.1 18.6 18.1 18.9 18.8 19.1

$\frac{6.4}{3.3}$   $\frac{6.3}{2.5}$   $\frac{6.2}{1.2}$   $\frac{5.8}{3}$  5.3  $\frac{5.5}{8}$   $\frac{5.0}{1.4}$   $\frac{5.1}{2.1}$   $\frac{4.8}{3.3}$

Nail Top Hub L. Sta. 36+90

18.6 18.2 18.3 18.9 19.4 19.7 19.7 19.6 19.9

$\frac{12.1}{3.3}$   $\frac{12.5}{2.0}$   $\frac{12.4}{1.2}$   $\frac{11.8}{4}$  11.3  $\frac{11.0}{1}$   $\frac{11.0}{1.3}$   $\frac{11.1}{2.5}$   $\frac{10.8}{3.3}$

25.0 24.7 24.7 24.4 23.8 23.6 23.4 23.5 23.7

$\frac{5.7}{3.3}$   $\frac{6.0}{2.2}$   $\frac{6.0}{1.0}$  6.3  $\frac{6.9}{1}$   $\frac{7.1}{8}$   $\frac{7.3}{2.3}$   $\frac{7.2}{3.3}$   $\frac{7.0}{3.4}$

Nail Top Hub L. Sta. 36+30



# Project 88-C Prelim X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 44-A |      |         |      |         |
| 43-A |      |         |      |         |
| 42-A |      |         |      |         |
| 41-A |      |         |      |         |
| T.P. | 3.04 | 2522.24 | 4.67 | 2519.20 |
| 40-A |      |         |      |         |
| 39-A |      |         |      |         |
|      |      | 2523.87 |      |         |



# Project 88-C Prelim. X- Sect

14

17.1 16.8 16.3 16.2 15.7 15.8 16.0

$\frac{5.1}{33}$   $\frac{5.4}{19}$  5.9  $\frac{6.0}{7}$   $\frac{6.5}{15}$   $\frac{6.4}{23}$   $\frac{6.2}{33}$

17.6 17.6 17.5 17.3 17.1 17.0

$\frac{4.6}{33}$   $\frac{4.6}{14}$  4.7 4.9  $\frac{5.1}{24}$   $\frac{5.2}{33}$

18.2 18.2 18.0 18.2 18.1 18.0 17.8 17.8 17.5

$\frac{4.0}{33}$   $\frac{4.0}{18}$   $\frac{4.2}{13}$   $\frac{4.0}{6}$  4.1  $\frac{4.2}{6}$   $\frac{4.4}{17}$   $\frac{4.4}{23}$   $\frac{4.7}{33}$

18.8 18.7 18.5 18.5 18.0 17.6 17.4

$\frac{3.4}{33}$   $\frac{3.5}{27}$   $\frac{3.7}{17}$  3.7  $\frac{4.2}{16}$   $\frac{4.6}{26}$   $\frac{4.8}{33}$

Nail Top Hub L. Sta. 40+80

19.1 18.9 19.2 19.4 19.6 19.3 19.0

$\frac{4.8}{33}$   $\frac{5.0}{22}$   $\frac{4.7}{14}$  4.5 4.3  $\frac{4.6}{27}$   $\frac{4.9}{33}$

18.8 19.1 19.4 19.7 19.4 19.2 19.6

$\frac{5.1}{33}$   $\frac{4.8}{19}$   $\frac{4.5}{5}$  4.2 4.5  $\frac{4.7}{19}$   $\frac{4.3}{33}$

## Project 88-C Prelim. X-Sect.

| Sta.                 | B.S.  | H.I.    | F.S. | Elev.   |
|----------------------|-------|---------|------|---------|
| 16-A                 |       |         |      |         |
| 45+55-A              |       |         |      |         |
| T.P.                 | 10.50 | 2533.56 | 4.73 | 2523.06 |
| 45+55-A              |       |         |      |         |
| 45-A                 |       |         |      |         |
| 44+40-A              |       |         |      |         |
| T.P.                 | 10.63 | 2527.79 | 5.08 | 2517.16 |
| July 31, 1922        |       |         |      |         |
| Weather: Bright, Hot |       |         |      |         |
| A. L. Ogile, T.      |       |         |      |         |
| E. P. Clements, Rod  |       |         |      |         |
| F. E. Corrick, Chain |       |         |      |         |
| 2522.64              |       |         |      |         |

# Project 88-C Prelim. X- Sect.

15

32.5 29.7 27.8 25.8 24.1

$\frac{11}{15}$  3.9  $\frac{5.8}{9}$   $\frac{7.8}{21}$   $\frac{9.5}{33}$

31.0 29.1 27.0

$\frac{2.6}{33}$   $\frac{4.5}{23}$   $\frac{6.6}{11}$

Nail Top Hub L. Sta. 44+80

25.1 22.7 21.4 20.6

2.7  $\frac{5.1}{15}$   $\frac{6.4}{21}$   $\frac{7.2}{33}$

21.8 20.2 18.4 16.9 15.9

$\frac{6.0}{33}$   $\frac{7.6}{16}$   $\frac{9.4}{20}$   $\frac{10.9}{20}$   $\frac{11.9}{33}$

17.9 17.5 17.8 16.2 16.0 15.7

$\frac{9.9}{33}$   $\frac{10.3}{23}$   $\frac{10.0}{20}$   $\frac{11.6}{7}$   $\frac{11.8}{7}$   $\frac{12.1}{9}$  (Water)

Nail in T.P. # 3001 L. Sta. 43+85

## Project 88-C Prelim. X-Sect.

| Sta.    | B.S.  | H.I.    | F.S.  | Elev.   |
|---------|-------|---------|-------|---------|
| 48-A    |       |         |       |         |
| 47+60-A |       |         |       |         |
|         |       |         | 7.67  | 2543.54 |
| T.P.    | 9.32  | 2551.21 | 2.35  | 2541.89 |
|         |       |         | 11.74 | 2532.50 |
| 47-A    |       |         |       |         |
| 46+50-A |       |         |       |         |
| 46-A    |       |         |       |         |
| T.P.    | 11.02 | 2544.24 | 0.34  | 2533.22 |
|         |       | 2533.56 |       |         |

# Project 88-C Prelim. X-Sect.

16

47.7 45.3 43.4 42.1 40.5

$\frac{3.5}{33}$   $\frac{5.9}{20}$   $\frac{7.8}{17}$   $\frac{9.1}{9}$   $\frac{10.7}{9}$

47.5 45.1 42.7 41.2 40.0

$\frac{3.7}{33}$   $\frac{6.1}{19}$   $\frac{8.5}{8}$   $\frac{10.0}{6}$   $\frac{11.2}{6}$

Nail in root of tree L. Sta. 45+95

Nail in root of tree L. Sta. 46

Nail Top Hub "A"

41.3 39.4 37.4 36.0 33.8

$\frac{2.9}{33}$   $\frac{4.8}{21}$   $\frac{6.8}{17}$   $\frac{8.2}{10}$   $\frac{10.4}{10}$

39.2 38.0 34.2 32.5

$\frac{5.0}{33}$   $\frac{6.2}{27}$   $\frac{10.0}{11}$   $\frac{11.7}{11}$

36.6 34.7

$\frac{7.6}{33}$   $\frac{9.5}{26}$

Nail Top Hub L. Sta. 45+50

# Project 88-C Prelim. X- Sect.

| Sta.    | B.S. | H.I.    | F.S. | Elev.   |
|---------|------|---------|------|---------|
| 47+60-A |      |         |      |         |
| 47-A    |      |         |      |         |
| 46+50-A |      |         |      |         |
| B.M.    | 6.67 | 2539.17 |      | 2532.50 |
|         |      |         | 2.00 | 2549.21 |
| 49-A    |      |         |      |         |
| +75-A   |      |         |      |         |
| 48+30-A |      |         |      |         |
|         |      | 2551.21 |      |         |

37.3 34.4

$$\begin{array}{r} 1.9 \\ 37.3 \\ \hline 39.2 \end{array} \quad \begin{array}{r} 4.8 \\ 34.4 \\ \hline 39.2 \end{array}$$

33.1 31.7 30.0

$$\begin{array}{r} 6.1 \\ 33.1 \\ \hline 39.2 \end{array} \quad \begin{array}{r} 7.5 \\ 31.7 \\ \hline 39.2 \end{array} \quad \begin{array}{r} 9.2 \\ 30.0 \\ \hline 39.2 \end{array}$$

30.9 29.4 27.3

$$\begin{array}{r} 8.3 \\ 30.9 \\ \hline 39.2 \end{array} \quad \begin{array}{r} 9.8 \\ 29.4 \\ \hline 39.2 \end{array} \quad \begin{array}{r} 11.9 \\ 27.3 \\ \hline 39.2 \end{array}$$

Nail Top Hub "A"

Nail in Tree L. Sta. 48+25

458 43.1 40.9 41.8 42.0 42.0 42.8

$$\begin{array}{r} 5.4 \\ 458 \\ \hline 463.4 \end{array} \quad \begin{array}{r} 8.1 \\ 43.1 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 10.3 \\ 40.9 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 9.4 \\ 41.8 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 9.2 \\ 42.0 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 9.2 \\ 42.0 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 8.4 \\ 42.8 \\ \hline 51.2 \end{array}$$

458 44.1 42.0 40.4

$$\begin{array}{r} 5.4 \\ 458 \\ \hline 463.4 \end{array} \quad \begin{array}{r} 7.1 \\ 44.1 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 9.2 \\ 42.0 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 10.8 \\ 40.4 \\ \hline 51.2 \end{array}$$

46.8 45.0 42.1 40.3

$$\begin{array}{r} 4.4 \\ 46.8 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 6.2 \\ 45.0 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 9.1 \\ 42.1 \\ \hline 51.2 \end{array} \quad \begin{array}{r} 10.9 \\ 40.3 \\ \hline 51.2 \end{array}$$

# Project 88-C Prelim. X-Sect.

| Sta.    | B.S.  | H.I.    | F.S. | Elev.   |
|---------|-------|---------|------|---------|
| 49+25-A |       |         | 6.39 | 2549.17 |
| T.P.    | 10.35 | 2555.56 | 0.25 | 2545.21 |
| 48+75-A |       |         |      |         |
| 48+30-A |       |         |      |         |
| 48-A    |       |         |      |         |
| 47+60-A |       |         |      |         |
| T.P.    | 7.43  | 2545.46 | 1.14 | 2538.03 |
|         |       | 2539.17 |      |         |



Project 88-C Prelim. X- Sect.

18

458 44.5 450 450 457 461

$\frac{9.8}{33}$   $\frac{11.1}{22}$   $\frac{10.6}{6}$   $10.6$   $\frac{9.9}{18}$   $\frac{9.5}{33}$

Nail in Tree L. Sta. 48+25

Nail Top tree stump Sta. 48+25

38.1 36.5 37.9

$\frac{7.1}{11}$   $\frac{9.0}{19}$   $\frac{7.6}{33}$

39.6 37.0 35.9

$\frac{5.9}{13}$   $\frac{8.5}{28}$   $\frac{9.6}{33}$

36.4 35.7

$\frac{9.1}{27}$   $\frac{9.8}{33}$

38.9

$\frac{6.6}{11}$

Nail in root of tree Sta. 47+70

# Project 88-C Prelim. X- Sect.

| Sta. | B.S.          | H.I.    | F.S.    | Elev.             |
|------|---------------|---------|---------|-------------------|
| T.P. | 4.30          | 2559.94 | 3.90    | 2555.64           |
|      | ⑥             |         | ⑥ ⑥     |                   |
|      | ⑥             |         | ⑥ ⑥     |                   |
| 52-A | Trees Begin ⑥ | +20     | +10 ⑥ ⑥ | TWO Rows of Trees |

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 5.10 | 2559.54 | 4.38 | 2554.44 |
|------|------|---------|------|---------|

51-A

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 4.73 | 2558.82 | 1.47 | 2554.09 |
|------|------|---------|------|---------|

50-A

49+50-A

2555.56

Spike in root of stump L. Sta. 52+50

|                  |                  |      |                  |                  |
|------------------|------------------|------|------------------|------------------|
| 54.4             | 54.3             | 54.0 | 53.5             | 53.1             |
| $\frac{5.1}{33}$ | $\frac{5.2}{19}$ | 5.5  | $\frac{6.0}{17}$ | $\frac{6.4}{33}$ |

Nail Top Hub L. Sta. 52

|                  |                  |      |                  |                  |
|------------------|------------------|------|------------------|------------------|
| 53.9             | 53.5             | 53.8 | 54.0             | 53.9             |
| $\frac{4.9}{33}$ | $\frac{5.3}{15}$ | 5.0  | $\frac{4.8}{13}$ | $\frac{4.9}{33}$ |

Nail Top Hub L. Sta. 51

|                  |                  |                  |      |                  |                  |
|------------------|------------------|------------------|------|------------------|------------------|
| 51.5             | 51.0             | 51.7             | 51.6 | 51.7             | 51.9             |
| $\frac{4.1}{33}$ | $\frac{4.6}{30}$ | $\frac{3.9}{15}$ | 4.0  | $\frac{3.9}{14}$ | $\frac{3.7}{33}$ |

|                  |                  |      |                 |                  |                  |
|------------------|------------------|------|-----------------|------------------|------------------|
| 47.0             | 47.5             | 48.0 | 48.5            | 49.0             | 49.2             |
| $\frac{8.6}{33}$ | $\frac{8.1}{29}$ | 7.6  | $\frac{7.1}{5}$ | $\frac{6.6}{19}$ | $\frac{6.4}{33}$ |

# Project 88-C Prelim. X-Sect.

| Sta.    | B.S. | H.I.    | F.S.                                           | Elev.   |
|---------|------|---------|------------------------------------------------|---------|
| 57-A    |      |         | ① +85 Trees end<br>②<br>③<br>④                 |         |
| 56-A    |      |         | ⑤<br>⑥ ⑦ +75 End of<br>back row.<br>⑧ ⑨<br>⑩ ⑪ |         |
| 55-A    |      |         |                                                |         |
| 54-A    |      |         |                                                |         |
| TIP.    | 4.17 | 2558.03 | 6.08                                           | 2553.86 |
| 53-A    |      |         |                                                |         |
| 52+50-A |      |         |                                                |         |
|         |      | 2559.94 |                                                |         |

## Project 88-C Prelim. X- Sect.

20

47.8 47.0 46.1

$$\begin{array}{r} 10.2 \\ 33 \end{array} \quad \begin{array}{r} 11.0 \\ 19 \end{array} \quad \begin{array}{r} 11.9 \\ 8 \end{array}$$

50.3 49.7 49.3 48.7 48.1 48.0 47.2

$$\begin{array}{r} 7.7 \\ 33 \end{array} \quad \begin{array}{r} 8.3 \\ 22 \end{array} \quad \begin{array}{r} 8.7 \\ 10 \end{array} \quad \begin{array}{r} 9.3 \\ 10 \end{array} \quad \begin{array}{r} 9.9 \\ 10 \end{array} \quad \begin{array}{r} 10.0 \\ 22 \end{array} \quad \begin{array}{r} 10.8 \\ 33 \end{array}$$

53.8 53.3 53.0 52.6 52.0 51.0 50.3 49.1

$$\begin{array}{r} 4.2 \\ 33 \end{array} \quad \begin{array}{r} 4.7 \\ 20 \end{array} \quad \begin{array}{r} 5.0 \\ 11 \end{array} \quad \begin{array}{r} 5.4 \\ 5 \end{array} \quad \begin{array}{r} 6.0 \\ 5 \end{array} \quad \begin{array}{r} 7.0 \\ 8 \end{array} \quad \begin{array}{r} 7.7 \\ 20 \end{array} \quad \begin{array}{r} 8.9 \\ 33 \end{array}$$

53.7 53.3 53.1 52.4 51.8 51.4 50.4

$$\begin{array}{r} 4.3 \\ 33 \end{array} \quad \begin{array}{r} 4.7 \\ 17 \end{array} \quad \begin{array}{r} 4.9 \\ 10 \end{array} \quad \begin{array}{r} 5.6 \\ 10 \end{array} \quad \begin{array}{r} 6.2 \\ 11 \end{array} \quad \begin{array}{r} 6.6 \\ 20 \end{array} \quad \begin{array}{r} 7.6 \\ 33 \end{array}$$

Nail Top Hub L. Sta. 54

55.0 54.3 53.1 52.3 51.9 51.1

$$\begin{array}{r} 4.9 \\ 33 \end{array} \quad \begin{array}{r} 5.6 \\ 18 \end{array} \quad \begin{array}{r} 6.8 \\ 12 \end{array} \quad \begin{array}{r} 7.6 \\ 12 \end{array} \quad \begin{array}{r} 8.0 \\ 23 \end{array} \quad \begin{array}{r} 8.8 \\ 33 \end{array}$$

55.3 55.1 53.8 53.1 52.4 51.7

$$\begin{array}{r} 4.6 \\ 33 \end{array} \quad \begin{array}{r} 4.8 \\ 21 \end{array} \quad \begin{array}{r} 6.1 \\ 14 \end{array} \quad \begin{array}{r} 6.8 \\ 14 \end{array} \quad \begin{array}{r} 7.5 \\ 23 \end{array} \quad \begin{array}{r} 8.2 \\ 33 \end{array}$$

## Project 88-C Prelim. X- Sect

| Sta.    | B.S. | H.I.    | F.S. | Elev.   |
|---------|------|---------|------|---------|
| 58+50-A |      |         |      |         |
| 58+35-A |      |         |      |         |
| T.P.    | 7.93 | 2558.99 | 3.03 | 2551.06 |

58-A

57+30-A

57-A

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 3.03 | 2554.09 | 6.97 | 2551.06 |
|------|------|---------|------|---------|

2558.03

# Project 88-C Prelim. X- Sect.

21

504 500 494 499 485 475 463 461 456

$\frac{8.6}{33}$   $\frac{9.0}{23}$   $\frac{9.6}{14}$   $\frac{10.1}{7}$   $10.5$   $\frac{11.5}{11}$   $\frac{12.7}{21}$   $\frac{12.9}{27}$   $\frac{13.4}{33}$

505 500 496 489 498 465 455

$\frac{8.5}{33}$   $\frac{9.0}{22}$   $\frac{9.4}{11}$   $10.1$   $\frac{11.2}{10}$   $\frac{12.5}{21}$   $\frac{13.5}{33}$

Nail Top Hub L. on fence line Sta. 58+15

49.0 49.8 49.7 49.6 48.9 48.5 47.5 46.0

$\frac{4.1}{33}$   $\frac{4.3}{25}$   $\frac{4.4}{15}$   $\frac{4.5}{9}$   $5.2$   $\frac{5.6}{9}$   $\frac{6.6}{20}$   $\frac{8.1}{33}$

48.1 47.6 46.7 46.6 46.3 45.7 45.3 44.3

$\frac{6.0}{33}$   $\frac{6.5}{24}$   $\frac{7.4}{12}$   $\frac{7.5}{4}$   $7.8$   $\frac{8.4}{11}$   $\frac{8.8}{20}$   $\frac{9.8}{33}$

45.4 44.6 43.3 42.2 42.1

$\frac{8.7}{10}$   $\frac{9.5}{10}$   $\frac{10.8}{24}$   $\frac{11.9}{30}$   $\frac{12.0}{33}$

Nail Top Hub L. on fence line Sta. 58+15



# Project 88-C Prelim. X-Sect.

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 0.07 | 2553.37 | 5.69 | 2553.30 |

37

+00 Pri. Road

36

Equation  $60 + 20.7A = 35 + 39.8$

↓

60-A

+30-A

59-A

+30 Trees  
end

⊙

⊙

⊙

2558.99



Nail in F.P. L. Sta. 36+50

51.3 50.8 41.1 47.8 48.3 48.7 48.2 47.9 47.3 47.9 48.2 47.7 47.2 46.7  
 $\frac{7.7}{33} \frac{8.2}{31} \frac{9.9}{27} \frac{11.2}{21} \frac{10.7}{16} \frac{10.3}{7} \frac{10.8}{7} \frac{11.1}{10} \frac{11.7}{12} \frac{11.1}{16} \frac{10.8}{16} \frac{11.3}{17} \frac{11.8}{26} \frac{12.3}{33}$

54.7 54.4 52.3 50.8 51.3 51.6 51.2 51.0 52.3 53.8 51.0 49.7 47.5  
 $\frac{4.3}{33} \frac{4.6}{29} \frac{6.7}{25} \frac{8.2}{22} \frac{7.7}{15} \frac{7.4}{7} \frac{7.8}{8} \frac{8.0}{10} \frac{6.7}{13} \frac{6.2}{13} \frac{8.0}{18} \frac{9.3}{22} \frac{11.5}{33}$

56.0 54.9 52.8 53.5 53.4 53.8 53.7 53.1 54.7 52.7 51.2 49.8 48.8  
 $\frac{3.0}{33} \frac{4.1}{31} \frac{6.2}{29} \frac{5.5}{26} \frac{5.6}{23} \frac{5.2}{12} \frac{5.3}{7} \frac{5.9}{5} \frac{4.3}{13} \frac{6.3}{18} \frac{7.8}{22} \frac{9.2}{28} \frac{10.2}{33}$

53.1 53.8 54.0 54.3 54.0 53.7 53.8 55.0 53.3 52.7 50.7 49.5  
 $\frac{5.9}{33} \frac{5.2}{30} \frac{5.0}{22} \frac{4.7}{15} \frac{5.0}{3} \frac{5.3}{7} \frac{5.2}{7} \frac{4.0}{12} \frac{5.7}{17} \frac{6.3}{20} \frac{8.3}{27} \frac{9.5}{33}$

53.2 52.9 53.5 53.0 52.7 53.3 53.2 52.5 52.0 51.5 51.3 50.4  
 $\frac{5.8}{33} \frac{6.1}{26} \frac{6.5}{23} \frac{6.0}{19} \frac{6.3}{15} \frac{5.7}{11} \frac{5.8}{11} \frac{6.5}{8} \frac{7.0}{8} \frac{7.5}{19} \frac{7.7}{25} \frac{8.6}{33}$

51.6 51.8 52.1 51.4 50.8 50.4 50.0 49.6 49.5 49.7  
 $\frac{7.4}{33} \frac{7.2}{25} \frac{6.9}{16} \frac{7.6}{15} \frac{8.2}{7} \frac{8.6}{7} \frac{9.0}{9} \frac{9.4}{17} \frac{9.5}{25} \frac{9.3}{33}$

# Project 88-C Prelim. X- Sect.

Sta. B.S. H.I. F.S. Elev.

+40

40

⊙ +00 Trees end  
⊙

39

T.P. 5.19 2547.64 10.92 2542.45

August 3, 1922

Weather: Bright, Very hot

A.W. Ogle, T

E.P. Clements, Rod

F.E. Corrick, Chain

⊙

⊙

⊙ +80

100'

+30



House

38

+70

37+55

2553.37

# Project 88-C Prelim X- Sect

23

42.6 39.7 39.1 37.8 39.0 39.4 39.3 38.9 37.9 38.1 38.6 39.5 38.8 37.5

$\frac{50}{33}$   $\frac{7.9}{30}$   $\frac{8.5}{23}$   $\frac{9.8}{21}$   $\frac{8.6}{18}$   $\frac{8.2}{17}$  8.3  $\frac{8.7}{6}$   $\frac{9.7}{9}$   $\frac{9.5}{11}$   $\frac{9.0}{11}$   $\frac{8.1}{15}$   $\frac{8.8}{19}$   $\frac{10.1}{33}$

43.8 41.5 39.7 39.4 39.6 39.3 40.1 41.7 40.5 40.0 39.0 39.3 40.0 40.0 40.8 40.1 38.7

$\frac{3.8}{33}$   $\frac{6.1}{30}$   $\frac{7.9}{28}$   $\frac{8.2}{27}$   $\frac{8.0}{22}$   $\frac{8.3}{21}$   $\frac{7.5}{20}$   $\frac{6.9}{17}$  7.1  $\frac{7.6}{17}$   $\frac{8.6}{9}$   $\frac{8.3}{11}$   $\frac{7.6}{11}$   $\frac{7.6}{14}$   $\frac{6.8}{15}$   $\frac{7.5}{21}$   $\frac{8.9}{33}$

42.2

$\frac{5.4}{33}$

46.1 45.6 42.8 42.3 42.3 42.8 43.8 43.4 43.0 41.9 41.9 42.6 42.7 43.3 43.4 42.7

$\frac{1.5}{33}$   $\frac{2.0}{29}$   $\frac{4.8}{25}$   $\frac{5.3}{23}$   $\frac{5.3}{19}$   $\frac{4.8}{18}$   $\frac{3.8}{5}$  4.2  $\frac{4.6}{17}$   $\frac{5.7}{10}$   $\frac{5.7}{13}$   $\frac{5.0}{13}$   $\frac{4.9}{15}$   $\frac{4.3}{15}$   $\frac{4.2}{19}$   $\frac{4.9}{30}$

Spikes in X-Fence post L. Sta. 40+75

45.6

$\frac{7.8}{33}$

40.3 48.7 46.4 45.3 45.1 45.5 45.9 45.6 45.1 44.1 44.0 45.1 45.2 46.2 46.5

$\frac{4.1}{33}$   $\frac{4.7}{32}$   $\frac{7.0}{28}$   $\frac{8.1}{25}$   $\frac{8.3}{17}$   $\frac{7.9}{14}$   $\frac{7.5}{6}$  7.8  $\frac{8.3}{6}$   $\frac{9.3}{8}$   $\frac{9.4}{12}$   $\frac{8.3}{13}$   $\frac{8.2}{14}$   $\frac{7.2}{16}$   $\frac{6.9}{19}$

48.1 47.3 46.0 46.8 46.5 46.1 45.6 44.9

$\frac{5.2}{33}$   $\frac{6.1}{25}$   $\frac{7.4}{17}$   $\frac{6.6}{6}$  6.9  $\frac{7.3}{11}$   $\frac{7.8}{22}$   $\frac{8.5}{33}$

50.4 49.8 48.3 47.1 46.4 46.9 47.2 46.9 46.6 46.1 47.7 47.4 46.4

$\frac{3.0}{33}$   $\frac{3.6}{28}$   $\frac{5.1}{25}$   $\frac{6.3}{24}$   $\frac{7.0}{22}$   $\frac{6.5}{19}$   $\frac{6.2}{17}$  6.5  $\frac{6.8}{5}$   $\frac{7.3}{11}$   $\frac{5.7}{16}$   $\frac{6.0}{22}$   $\frac{7.0}{33}$

# Project 88-C Prelim. X-Section

| Sta.  | B.S. | H.I.    | F.S. | Elev.   |
|-------|------|---------|------|---------|
| 43    |      |         |      |         |
| +50   |      |         |      |         |
| 42    |      |         |      |         |
| 41+50 |      |         |      |         |
| T.P.  | 0.27 | 2542.72 | 5.19 | 2542.45 |

41

40+50

Tel. Line  
crosses over

2547.64

# Project 88-C Prelim X-Sect.

24

33.3 32.5 32.5 32.1 32.9 32.9 32.9 32.8 31.8 31.8 31.2 30.7 30.1 29.8 28.8 28.1

$\frac{9.4}{33} \frac{10.2}{28} \frac{10.2}{22} \frac{9.6}{20} \frac{9.8}{19} \frac{9.8}{6} \frac{9.8}{4} \frac{9.9}{8} \frac{10.9}{14} \frac{10.9}{16} \frac{11.5}{19} \frac{12.0}{19} \frac{12.6}{19} \frac{12.9}{22} \frac{13.9}{28} \frac{14.3}{33}$

34.8 33.5 33.2 33.7 34.1 34.0 33.9 32.7 32.6 33.0 32.5 31.4 30.4

$\frac{7.9}{33} \frac{9.2}{28} \frac{9.5}{24} \frac{9.0}{21} \frac{8.6}{4} \frac{8.7}{6} \frac{8.8}{6} \frac{10.0}{9} \frac{10.1}{11} \frac{9.7}{12} \frac{10.2}{8} \frac{11.3}{21} \frac{12.3}{33}$

37.4 34.8 33.5 34.7 35.1 35.0 34.7 34.0 34.4 34.1 34.8 34.0 32.0 32.7

$\frac{5.3}{33} \frac{7.9}{29} \frac{9.2}{23} \frac{8.0}{20} \frac{7.6}{3} \frac{7.7}{5} \frac{8.0}{9} \frac{8.7}{9} \frac{8.3}{11} \frac{8.6}{13} \frac{7.9}{14} \frac{8.7}{20} \frac{9.8}{25} \frac{10.0}{33}$

40.4 36.3 36.0 34.5 34.5 36.0 36.3 36.1 35.8 35.2 35.1 35.7 35.6 34.5 34.8 35.8 35.4

$\frac{2.3}{33} \frac{6.4}{28} \frac{6.7}{25} \frac{8.2}{25} \frac{8.2}{22} \frac{6.7}{19} \frac{6.4}{4} \frac{6.5}{6} \frac{6.9}{9} \frac{7.5}{9} \frac{7.6}{12} \frac{7.0}{12} \frac{7.1}{14} \frac{5.2}{17} \frac{4.9}{19} \frac{6.9}{25} \frac{7.6}{34}$

Spika in X-Fence post L. Sta. 40+75

41.8 41.4 39.7 37.3 35.1 35.9 37.2 37.6 37.5 37.0 35.9 36.8 36.6 39.1 38.6 37.2 36.8

$\frac{5.8}{33} \frac{6.2}{30} \frac{7.9}{30} \frac{10.3}{24} \frac{12.5}{23} \frac{11.7}{21} \frac{10.4}{19} \frac{10.0}{2} \frac{10.6}{6} \frac{11.7}{9} \frac{10.8}{11} \frac{11.0}{13} \frac{8.5}{16} \frac{9.0}{19} \frac{10.4}{27} \frac{10.8}{33}$

40.9 39.5 38.9 37.2 37.1 38.7 39.1 38.9 38.7 37.7 38.1 39.4 38.4 37.5

$\frac{6.7}{33} \frac{8.1}{29} \frac{8.7}{25} \frac{10.4}{24} \frac{10.5}{21} \frac{8.9}{18} \frac{8.5}{6} \frac{8.7}{6} \frac{8.9}{6} \frac{9.9}{9} \frac{9.5}{11} \frac{8.2}{15} \frac{9.2}{23} \frac{10.1}{33}$

# Project 88-C Prelim. X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|     |  |  |  |  |
|-----|--|--|--|--|
| +55 |  |  |  |  |
|-----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 45 |  |  |  |  |
|----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 44 |  |  |  |  |
|----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +60 |  |  |  |  |
|-----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +50 |  |  |  |  |
|-----|--|--|--|--|

┌-----┐ 18"X18" Corr. Iron Pipe

|       |  |  |  |  |
|-------|--|--|--|--|
| 43+45 |  |  |  |  |
|-------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| T.P. |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1.55 |  |  |  |  |
|------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| 2538.59 |  |  |  |  |
|---------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 8.68 |  |  |  |  |
|------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| 2534.04 |  |  |  |  |
|---------|--|--|--|--|

2542.72

# Project 88-C Prelim. X-Sect.

35.3 32.6 31.8 32.9 32.4 32.9 34.1 33.8 33.7 32.6 32.2 32.8 33.6 34.3 34.8 35.2 34.9 34.5

$\frac{3.3}{33}$   $\frac{6.0}{39}$   $\frac{6.8}{27}$   $\frac{5.1}{23}$   $\frac{6.2}{21}$   $\frac{5.1}{20}$   $\frac{4.5}{5}$  4.8  $\frac{4.9}{5}$   $\frac{6.0}{8}$   $\frac{6.4}{12}$   $\frac{5.8}{16}$   $\frac{5.0}{16}$   $\frac{4.3}{18}$   $\frac{3.8}{19}$   $\frac{3.4}{21}$   $\frac{3.7}{26}$   $\frac{4.1}{33}$

34.0 33.9 31.8 31.7 32.5 31.8 32.3 33.0 32.7 32.6 31.5 32.5 32.4 34.2 34.2 33.4

$\frac{4.6}{33}$   $\frac{4.7}{32}$   $\frac{6.8}{29}$   $\frac{6.9}{27}$   $\frac{6.1}{25}$   $\frac{6.8}{23}$   $\frac{6.3}{20}$   $\frac{5.6}{6}$  5.9  $\frac{6.0}{5}$   $\frac{7.1}{10}$   $\frac{6.1}{10}$   $\frac{6.2}{16}$   $\frac{4.4}{19}$   $\frac{4.4}{24}$   $\frac{5.2}{33}$

32.9 32.1 32.5 32.5 31.5 32.0 32.1 32.1 31.1 32.1 31.7 31.1 30.4

$\frac{5.7}{33}$   $\frac{6.5}{31}$   $\frac{6.1}{26}$   $\frac{6.1}{24}$   $\frac{7.1}{21}$   $\frac{6.6}{17}$   $\frac{6.5}{17}$   $\frac{6.5}{4}$   $\frac{7.5}{7}$   $\frac{6.5}{11}$   $\frac{6.9}{18}$   $\frac{7.5}{20}$   $\frac{8.2}{33}$

32.8 31.5 29.7 31.1 32.3 32.4 32.2 30.4 30.9 30.8 30.1 29.6 28.1

$\frac{5.8}{32}$   $\frac{7.1}{27}$   $\frac{8.9}{25}$   $\frac{7.5}{22}$   $\frac{6.3}{18}$   $\frac{6.2}{18}$   $\frac{6.4}{4}$   $\frac{8.2}{9}$   $\frac{7.7}{14}$   $\frac{7.8}{20}$   $\frac{8.5}{21}$   $\frac{9.0}{24}$   $\frac{10.5}{33}$

32.9 32.3 31.0 29.5 28.6 32.4 32.4 32.4 28.6 29.1 28.3 28.8 27.2 27.1 28.2 28.5

$\frac{5.7}{33}$   $\frac{6.3}{27}$   $\frac{7.6}{24}$   $\frac{9.1}{23}$   $\frac{10.0}{18}$   $\frac{6.2}{16}$   $\frac{6.2}{16}$   $\frac{6.2}{2}$   $\frac{10.0}{2}$   $\frac{9.5}{8}$   $\frac{10.3}{12}$   $\frac{9.8}{19}$   $\frac{11.4}{22}$   $\frac{11.5}{28}$   $\frac{10.4}{28}$   $\frac{10.1}{33}$

33.0 32.4 31.5 31.8 32.6 32.5 32.4 30.0 30.6 29.8 28.3 28.0 27.3

$\frac{5.6}{33}$   $\frac{6.2}{30}$   $\frac{7.1}{24}$   $\frac{6.8}{20}$   $\frac{6.0}{17}$   $\frac{6.1}{17}$   $\frac{6.2}{2}$   $\frac{8.6}{9}$   $\frac{8.0}{12}$   $\frac{8.8}{19}$   $\frac{10.3}{22}$   $\frac{10.6}{29}$   $\frac{11.3}{33}$

Nail in F.R. L. Sta. 42+95



# Project 88-C Prelim. X-Sect.

| Sta.  | B.S. | H.I.    | F.S. | Elev.   |
|-------|------|---------|------|---------|
| 48    |      |         |      |         |
| T.P.  | 0.43 | 2535.59 | 3.43 | 2535.16 |
| 47    |      |         |      |         |
| +25   |      |         |      |         |
| 46    |      |         |      |         |
| 45+90 |      |         |      |         |
| 45+65 |      |         |      |         |
|       |      | 2538.59 |      |         |



# Project 88-C Prelim. X- Sect.

31.8 31.6 30.0 28.5 29.0 30.0 31.3 31.1 30.2 28.8 28.5 29.6 30.5 30.6 30.4 30.2 <sup>26</sup>

$\frac{3.8}{33} \frac{1.0}{32} \frac{5.6}{29} \frac{7.1}{26} \frac{6.6}{22} \frac{5.6}{19} \frac{4.3}{5} 4.5 \frac{5.4}{10} \frac{6.8}{13} \frac{7.1}{17} \frac{6.0}{18} \frac{5.1}{21} \frac{5.0}{24} \frac{5.2}{29} \frac{5.4}{32}$

Nail in F.P.W. Sta. 45+98

33.2 32.1 29.3 29.3 31.3 32.3 32.4 32.0 31.7 30.0 29.6 30.6 32.2 36.3 32.1 32.1

$\frac{5.4}{33} \frac{5.5}{32} \frac{9.3}{28} \frac{9.3}{25} \frac{7.3}{20} \frac{6.3}{12} \frac{6.2}{5} 6.6 \frac{6.9}{7} \frac{8.6}{11} \frac{9.0}{15} \frac{8.0}{18} \frac{6.4}{19} \frac{5.6}{23} \frac{6.5}{25} \frac{6.5}{33}$

33.7 31.9 30.7 30.9 32.5 33.5 33.2 32.6 32.1 31.3 31.9 33.1 34.3 33.6 33.3

$\frac{4.9}{33} \frac{6.7}{29} \frac{7.9}{29} \frac{7.7}{21} \frac{6.1}{17} \frac{5.1}{6} 5.4 \frac{6.0}{7} \frac{6.5}{10} \frac{7.3}{11} \frac{6.7}{16} \frac{5.5}{18} \frac{4.3}{21} \frac{5.0}{26} \frac{5.3}{33}$

34.2 33.7 34.0 33.8 33.6 33.2 32.9

$\frac{4.4}{33} \frac{4.9}{17} \frac{4.6}{5} 4.8 \frac{5.0}{12} \frac{5.4}{25} \frac{5.7}{33}$

35.2 34.7 31.9 33.1 33.5 33.0 33.4 34.1 33.9 33.3 33.8 34.9 34.1 33.7

$\frac{3.4}{33} \frac{3.9}{31} \frac{6.7}{29} \frac{5.5}{25} \frac{5.1}{23} \frac{5.6}{21} \frac{5.2}{17} \frac{4.5}{5} 4.7 \frac{5.3}{10} \frac{4.8}{14} \frac{3.7}{20} \frac{4.5}{24} \frac{4.9}{36}$

35.2 32.8 31.6 32.5 32.4 33.7 34.1 33.9 33.6 32.9 34.2 34.4 35.3 34.5

$\frac{3.4}{33} \frac{5.8}{30} \frac{7.0}{28} \frac{6.1}{25} \frac{6.2}{23} \frac{4.9}{12} \frac{4.5}{6} 4.7 \frac{5.0}{4} \frac{5.7}{9} \frac{4.4}{12} \frac{4.2}{16} \frac{3.3}{21} \frac{4.1}{33}$

# Project 88-C Prelim. X- Sect.

| Sta.  | B.S. | H.I.    | F.S. | Elev.   |
|-------|------|---------|------|---------|
| 53+95 |      |         |      |         |
| 53    |      |         |      |         |
| 52    |      |         |      |         |
| 51    |      |         |      |         |
| T.P.  | 3.97 | 2535.63 | 3.93 | 2531.66 |

50

49

2535.59

# Project 88-C Prelim X-Section

27

32.0 32.0 29.2 28.3 29.3 30.4 31.5 31.1 29.5 29.1 30.2 31.9 32.3 32.1

$\frac{3.6}{3.3}$   $\frac{3.6}{3.0}$   $\frac{6.4}{2.8}$   $\frac{7.2}{2.4}$   $\frac{6.3}{2.1}$   $\frac{5.2}{1.6}$  4.1  $\frac{4.5}{1.0}$   $\frac{6.1}{1.4}$   $\frac{6.5}{1.8}$   $\frac{5.4}{2.1}$   $\frac{7.7}{2.2}$   $\frac{3.2}{2.6}$   $\frac{3.5}{3.3}$

31.7 31.3 27.8 27.1 27.9 30.3 30.9 30.3 28.8 27.7 28.8 29.9 30.3 30.6 30.1 30.4

$\frac{3.9}{3.3}$   $\frac{4.3}{3.2}$   $\frac{7.8}{3.0}$   $\frac{8.5}{2.7}$   $\frac{7.7}{2.2}$   $\frac{5.3}{1.7}$  4.7  $\frac{5.3}{1.0}$   $\frac{6.8}{1.5}$   $\frac{7.9}{2.0}$   $\frac{6.8}{2.2}$   $\frac{5.7}{2.3}$   $\frac{5.3}{2.4}$   $\frac{5.0}{2.7}$   $\frac{5.5}{2.9}$   $\frac{5.2}{3.3}$

31.8 31.5 28.9 27.6 28.2 30.4 30.9 30.8 28.2 27.4 28.9 30.1 30.4 30.0 30.1

$\frac{3.8}{3.3}$   $\frac{4.1}{3.0}$   $\frac{6.7}{3.0}$   $\frac{8.0}{2.6}$   $\frac{7.4}{2.2}$   $\frac{5.2}{1.6}$  4.7  $\frac{4.8}{1.0}$   $\frac{7.4}{1.5}$   $\frac{8.2}{1.8}$   $\frac{5.7}{2.1}$   $\frac{5.5}{2.2}$   $\frac{5.2}{2.6}$   $\frac{5.6}{2.7}$   $\frac{5.5}{3.3}$

31.4 30.9 28.6 27.4 28.1 29.5 30.9 30.5 28.2 27.6 28.6 29.9 30.4 30.0 30.2

$\frac{4.2}{3.3}$   $\frac{4.7}{3.1}$   $\frac{7.0}{3.0}$   $\frac{8.2}{2.8}$   $\frac{7.5}{2.4}$   $\frac{6.1}{1.9}$  4.7  $\frac{5.1}{1.0}$   $\frac{7.4}{1.5}$   $\frac{8.0}{1.8}$   $\frac{7.0}{2.1}$   $\frac{5.7}{2.2}$   $\frac{5.2}{2.4}$   $\frac{5.6}{2.4}$   $\frac{5.4}{3.3}$

Nail in F.P. L. Sta. 50+15

31.2 30.9 28.2 27.5 28.1 29.8 30.4 30.2 29.5 28.1 27.8 30.0 29.4 29.2 29.4

$\frac{1.4}{3.3}$   $\frac{4.7}{3.2}$   $\frac{7.4}{3.1}$   $\frac{8.1}{2.7}$   $\frac{7.5}{2.4}$   $\frac{5.8}{1.9}$   $\frac{5.2}{1.6}$  5.4  $\frac{6.1}{1.1}$   $\frac{7.5}{1.5}$   $\frac{7.8}{1.7}$   $\frac{5.6}{2.1}$   $\frac{6.2}{2.5}$   $\frac{6.4}{2.7}$   $\frac{6.2}{3.3}$

29.3 29.4

$\frac{6.3}{2.9}$   $\frac{6.2}{3.3}$

31.6 31.2 31.0 29.4 27.8 30.8 31.0 30.7 30.3 28.6 27.4 28.1 28.6 30.9 30.0 29.3

$\frac{4.0}{3.3}$   $\frac{4.4}{3.2}$   $\frac{4.6}{3.1}$   $\frac{6.2}{3.0}$   $\frac{7.8}{2.7}$   $\frac{5.7}{2.1}$   $\frac{4.6}{1.9}$  4.9  $\frac{5.3}{1.0}$   $\frac{7.0}{1.4}$   $\frac{8.2}{1.6}$   $\frac{7.5}{1.9}$   $\frac{7.0}{1.9}$   $\frac{5.7}{2.0}$   $\frac{5.6}{2.4}$   $\frac{6.3}{2.5}$

# Project 88-C Prelim. X- Sect.

| Sta. | P.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 0.36 | 2528.77 | 8.37 | 2528.41 |

56

+50

55

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 3.73 | 2536.78 | 2.58 | 2533.05 |
|------|------|---------|------|---------|

August 5, 1922

Weather: Hot

A.L. Ogle,  $\pi$

E.P. Clements, Rod

54+20 F.E. Corrick, Chain

54

Row of  
Trees  
begin

①  
①  
①

+02

Nail in T.P. # 3070 R.

|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 32.8             | 32.7             | 30.5             | 29.0             | 30.0             | 29.7             | 29.7             | 29.2             | 27.9             | 29.2             | 28.9             | 30.5             | 29.3             | 29.5             | 28.9             |
| $\frac{4.0}{31}$ | $\frac{4.1}{28}$ | $\frac{6.3}{22}$ | $\frac{7.8}{20}$ | $\frac{6.8}{16}$ | $\frac{7.1}{11}$ | $\frac{7.1}{11}$ | $\frac{7.6}{12}$ | $\frac{8.9}{16}$ | $\frac{7.6}{17}$ | $\frac{7.9}{20}$ | $\frac{6.3}{24}$ | $\frac{7.5}{27}$ | $\frac{7.3}{30}$ | $\frac{7.9}{33}$ |

|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 34.8             | 34.8             | 32.6             | 30.8             | 31.6             | 32.1             | 31.6             | 30.4             | 31.8             | 31.9             | 33.4             | 32.5             | 32.1             |
| $\frac{2.0}{32}$ | $\frac{2.0}{28}$ | $\frac{4.2}{25}$ | $\frac{6.0}{21}$ | $\frac{5.2}{18}$ | $\frac{4.7}{17}$ | $\frac{5.2}{12}$ | $\frac{6.4}{15}$ | $\frac{5.0}{16}$ | $\frac{4.9}{20}$ | $\frac{3.4}{24}$ | $\frac{4.3}{27}$ | $\frac{4.7}{33}$ |

|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 34.7             | 34.4             | 34.5             | 31.1             | 31.5             | 32.9             | 33.3             | 33.4             | 32.6             | 33.7             | 33.3             | 35.1             | 34.1             | 34.1             |
| $\frac{2.1}{32}$ | $\frac{2.4}{29}$ | $\frac{2.3}{26}$ | $\frac{5.7}{21}$ | $\frac{5.3}{18}$ | $\frac{3.9}{16}$ | $\frac{3.5}{11}$ | $\frac{3.4}{11}$ | $\frac{4.2}{14}$ | $\frac{3.1}{17}$ | $\frac{3.5}{20}$ | $\frac{1.7}{25}$ | $\frac{2.7}{28}$ | $\frac{2.7}{33}$ |

Spike in F.P. L. Sta. 54+30

|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 32.6             | 32.3             | 30.1             | 30.5             | 31.8             | 31.4             | 30.8             | 32.6             | 32.4             | 32.6             |
| $\frac{3.0}{30}$ | $\frac{3.3}{27}$ | $\frac{5.5}{26}$ | $\frac{5.1}{19}$ | $\frac{3.8}{11}$ | $\frac{4.2}{11}$ | $\frac{4.8}{15}$ | $\frac{3.0}{23}$ | $\frac{3.2}{29}$ | $\frac{3.0}{33}$ |

|                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 32.0             | 32.0             | 28.8             | 28.4             | 29.5             | 30.3             | 31.6             | 31.3             | 29.4             | 29.2             | 30.3             | 32.0             | 32.3             | 32.3             |
| $\frac{3.6}{33}$ | $\frac{3.6}{28}$ | $\frac{6.8}{27}$ | $\frac{7.2}{24}$ | $\frac{6.1}{21}$ | $\frac{5.3}{16}$ | $\frac{4.0}{10}$ | $\frac{4.3}{10}$ | $\frac{6.2}{15}$ | $\frac{6.4}{19}$ | $\frac{5.3}{21}$ | $\frac{3.6}{23}$ | $\frac{3.3}{27}$ | $\frac{3.3}{33}$ |

# Project 88-C Prelim. X-Section.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|    |  |  |  |  |
|----|--|--|--|--|
| 59 |  |  |  |  |
|----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +95 |  |  |  |  |
|-----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +88 |  |  |  |  |
|-----|--|--|--|--|



24" X 18' Corr Iron Pipe

|     |  |  |  |  |
|-----|--|--|--|--|
| +85 |  |  |  |  |
|-----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +55 |  |  |  |  |
|-----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 58 |  |  |  |  |
|----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 57 |  |  |  |  |
|----|--|--|--|--|

# Project 88-C Prelim. X-Sect.

29

2216 214 214 23.1 23.0 228 211 207 214 212 203 19.9 19.6

$\frac{6.2}{2.7} \frac{7.4}{2.0} \frac{7.4}{1.4} \frac{5.7}{9} \frac{5.8}{11} \frac{6.0}{1.4} \frac{7.8}{2.1} \frac{7.1}{2.3} \frac{7.6}{2.6} \frac{8.5}{2.7} \frac{8.9}{2.9} \frac{9.2}{3.3}$

226 221 215 216 214 23.2 23.1 229 210 207 211 204 19.9 19.5 19.3

$\frac{6.2}{2.8} \frac{6.7}{2.4} \frac{7.3}{2.1} \frac{7.2}{1.7} \frac{7.4}{1.4} \frac{5.6}{9} \frac{5.7}{11} \frac{5.9}{1.3} \frac{7.8}{2.1} \frac{8.1}{2.5} \frac{8.4}{2.6} \frac{8.9}{2.8} \frac{9.3}{2.9} \frac{9.5}{3.3}$

2211 217 212 215 211 213 23.5 23.2 227 204 204 201 19.6 19.5 19.0

$\frac{6.7}{2.8} \frac{7.1}{2.4} \frac{7.6}{1.9} \frac{7.3}{1.6} \frac{7.7}{1.5} \frac{7.5}{9} \frac{5.3}{9} \frac{5.6}{10} \frac{6.1}{11} \frac{8.4}{1.9} \frac{8.4}{2.4} \frac{8.7}{2.5} \frac{9.2}{2.9} \frac{9.3}{3.3} \frac{9.8}{3.3}$

223 223 215 217 211 23.7 23.2 23.0 21.2 20.8 21.3 19.7 19.4

$\frac{6.5}{2.7} \frac{6.5}{2.4} \frac{7.3}{2.1} \frac{7.1}{1.7} \frac{7.7}{1.5} \frac{5.1}{10} \frac{5.6}{10} \frac{5.8}{1.4} \frac{7.6}{2.3} \frac{8.0}{2.5} \frac{7.5}{2.9} \frac{9.1}{3.3} \frac{9.4}{3.3}$

224 214 214 213 23.1 23.1 22.8 20.9 20.5 20.4 21.0 20.0 19.3

$\frac{6.4}{2.8} \frac{7.4}{2.3} \frac{7.4}{1.9} \frac{7.5}{1.5} \frac{5.7}{7} \frac{5.7}{10} \frac{6.0}{1.4} \frac{7.9}{1.8} \frac{8.3}{2.3} \frac{8.4}{2.5} \frac{7.8}{2.7} \frac{8.8}{3.3} \frac{9.5}{3.3}$

23.7 23.1 22.0 22.0 22.9 23.2 23.2 22.6 21.5 20.7 21.6 20.7 20.8

$\frac{5.1}{3.3} \frac{5.7}{2.9} \frac{6.8}{2.6} \frac{6.8}{1.9} \frac{5.9}{11} \frac{5.6}{4} \frac{5.6}{11} \frac{6.2}{1.4} \frac{7.3}{2.2} \frac{8.1}{2.5} \frac{7.2}{2.8} \frac{8.1}{3.3} \frac{8.0}{3.3}$

26.6 26.3 24.4 24.1 24.8 25.2 24.8 24.1 23.7 24.0 23.0 24.4 23.6 23.7

$\frac{2.2}{3.0} \frac{2.5}{2.8} \frac{1.4}{2.3} \frac{1.7}{1.8} \frac{1.0}{1.6} \frac{3.6}{1.3} \frac{1.0}{1.4} \frac{1.7}{1.7} \frac{5.1}{1.7} \frac{4.8}{2.2} \frac{5.8}{2.5} \frac{4.1}{2.7} \frac{5.2}{3.3} \frac{5.1}{3.3}$



# Project 88-C Prelim. X-Sect.

| Sta.  | B.S.                                                                                                               | H.I.    | F.S. | Elev.   |
|-------|--------------------------------------------------------------------------------------------------------------------|---------|------|---------|
| 63+50 |                                                                                                                    |         |      |         |
| T.P.  | 10.22<br>August 5, 1922<br>Weather: Partly cloudy<br>A.L. Ogle, $\pi$<br>E.P. Clements, Rod<br>F.E. Corrick, Chain | 2539.93 | 3.24 | 2529.71 |
| 63    |                                                                                                                    |         |      |         |
| 62    |                                                                                                                    |         |      |         |
| 61    |                                                                                                                    |         |      |         |
| T.P.  | 8.75                                                                                                               | 2532.95 | 4.57 | 2524.20 |
| 60    |                                                                                                                    |         |      |         |



# Project 88-C Prelim X-Sept.

306 308 305 296 295 299 303 302 299 287 299 306 300 312 321 313 318 <sup>30</sup>  
9.3 9.1 9.4 10.3 10.4 10.0 9.6 9.7 10.0 11.2 10.0 9.3 9.9 8.7 7.8 8.1 8.1  
 27 25 20 19 17 14 2 11 13 15 18 20 21 26 28 33

Spike in T.P. # 3065 R. Sta. 62+95

286 284 276 281 284 285 278 267 271 29.0 29.1 28.9  
1.4 1.6 5.4 4.9 4.6 4.5 5.2 6.3 5.9 4.0 3.9 4.1  
 23 21 18 15 8 11 14 19 25 28 33

256 255 245 256 257 253 245 245 259 252 256  
7.4 7.5 8.5 7.4 7.3 7.7 8.5 8.5 7.1 7.8 7.4  
 23 20 18 14 12 14 20 25 28 33

252 242 237 230 23.7 24.1 23.8 22.8 22.9 23.4 24.3 23.6 23.8  
8.8 8.8 9.3 10.0 9.3 8.9 9.2 10.2 10.1 9.6 8.7 9.4 9.2  
 24 21 18 18 13 12 14 19 23 26 28 33

Nail in T.P. # 3067 R. Sta. 60+30

23.8 23.4 22.5 21.5 22.6 23.0 22.8 21.8 21.8 23.1 22.6 22.4  
5.0 5.4 6.3 7.3 6.2 5.8 6.0 7.0 7.0 5.7 6.2 6.4  
 26 21 19 17 14 13 16 22 26 27 33

# Project 88-C Prelim. X-Sect.

| Stn. | B.S. | I.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

67

+50

66

+50

65

T.P.

4.67

2542.73

1.87

2538.06

+50 Row of  
Trees  
end

①  
②  
③

64

2539.93

# Project 88-C Prelim X-Sect.

31

37.5 36.9 37.3 38.0 37.8 37.6 36.2 35.7 36.4 35.3 35.4

$\frac{5.2}{2.8} \frac{5.8}{2.2} \frac{5.4}{1.7} \frac{4.7}{1.5} \frac{4.9}{1.9} \frac{5.1}{1.2} \frac{6.5}{1.5} \frac{7.0}{2.3} \frac{6.3}{2.7} \frac{7.4}{3.0} \frac{7.3}{3.3}$

38.8 38.0 37.1 37.9 37.7 37.4 36.7 35.7 36.8 36.9 36.2 36.5

$\frac{3.9}{3.0} \frac{4.7}{2.5} \frac{5.6}{1.9} \frac{4.8}{1.5} \frac{5.0}{1.2} \frac{5.3}{1.3} \frac{6.0}{2.3} \frac{7.0}{2.7} \frac{5.9}{2.8} \frac{5.8}{2.9} \frac{6.5}{3.3} \frac{6.2}{3.3}$

38.0

$\frac{4.7}{3.3}$

41.0 40.2 39.0 37.8 38.4 38.5 38.2 37.4 38.1 37.4 37.9 37.0 38.7 38.6 38.0

$\frac{1.7}{3.2} \frac{2.5}{2.5} \frac{3.7}{1.9} \frac{4.9}{1.8} \frac{4.3}{1.5} \frac{4.2}{1.2} \frac{4.5}{1.1} \frac{5.3}{1.3} \frac{4.6}{1.6} \frac{5.3}{1.7} \frac{4.8}{1.8} \frac{5.2}{2.1} \frac{4.0}{2.7} \frac{4.1}{2.8} \frac{4.7}{2.9}$

40.9 41.2 40.7 39.4 39.0 39.2 39.4 38.8 38.2 39.0 38.6 39.2 39.3 40.4 39.7 39.9

$\frac{1.8}{2.8} \frac{1.5}{2.3} \frac{2.0}{1.8} \frac{3.3}{1.8} \frac{3.7}{1.6} \frac{3.5}{1.4} \frac{3.3}{1.4} \frac{3.9}{1.1} \frac{4.5}{1.4} \frac{3.7}{1.4} \frac{4.1}{1.7} \frac{3.5}{1.8} \frac{3.4}{2.2} \frac{2.3}{2.6} \frac{3.0}{3.0} \frac{2.8}{3.3}$

39.7

$\frac{3.0}{3.3}$

39.8 40.5 39.7 38.1 38.2 38.2 38.4 38.0 36.8 37.2 36.8 37.5 38.6 39.7 40.0 39.7

$\frac{2.9}{2.8} \frac{2.2}{2.0} \frac{3.0}{1.9} \frac{4.6}{1.7} \frac{4.5}{1.4} \frac{4.5}{1.8} \frac{4.3}{1.4} \frac{4.7}{1.1} \frac{5.9}{1.4} \frac{5.5}{1.6} \frac{5.9}{1.9} \frac{5.2}{2.1} \frac{4.1}{2.2} \frac{3.0}{2.2} \frac{2.7}{2.6} \frac{3.0}{2.9}$

Nail in T.P. # 3064 R. Sta. 64+20

35.3 35.3

$\frac{4.6}{3.0} \frac{4.6}{3.3}$

33.9 33.7 33.5 32.1 32.3 32.5 32.6 31.7 31.7 33.1 33.9 33.7 35.3 35.6

$\frac{6.0}{2.7} \frac{6.2}{2.3} \frac{6.4}{1.9} \frac{7.8}{1.7} \frac{7.6}{1.4} \frac{7.4}{1.4} \frac{7.3}{1.2} \frac{8.2}{1.3} \frac{8.2}{1.5} \frac{6.8}{1.5} \frac{6.0}{2.1} \frac{6.2}{2.3} \frac{4.6}{2.5} \frac{4.3}{2.7}$

# Project 88-C Prelim. X-Section.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|    |  |  |  |  |
|----|--|--|--|--|
| 71 |  |  |  |  |
|----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 70 |  |  |  |  |
|----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +60 |  |  |  |  |
|-----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +25 |  |  |  |  |
|-----|--|--|--|--|

Lane

|    |  |  |  |  |
|----|--|--|--|--|
| 69 |  |  |  |  |
|----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 68 |  |  |  |  |
|----|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| T.P. |  |  |  |  |
|------|--|--|--|--|

6.62

2547.70

1.65

2541.08

2542.73

# Project 88-C Prelim. X- Sect.

32

41.0 40.5 39.7 39.7 40.4 40.5 40.6 39.3 38.7 39.5 39.3 38.9

$\frac{6.7}{3.3}$   $\frac{7.2}{2.5}$   $\frac{8.0}{2.1}$   $\frac{8.0}{1.8}$   $\frac{7.3}{1.6}$   $\frac{7.2}{1.2}$   $\frac{7.1}{1.6}$   $\frac{8.4}{2.2}$   $\frac{9.0}{2.2}$   $\frac{8.2}{2.5}$   $\frac{8.4}{3.0}$   $\frac{8.8}{3.3}$

41.2 44.3 43.5 42.3 42.1 42.4 42.0 41.7 40.9 42.1 42.3 41.4

$\frac{3.5}{3.3}$   $\frac{3.4}{2.6}$   $\frac{4.2}{2.0}$   $\frac{5.4}{1.8}$   $\frac{5.6}{1.7}$   $\frac{5.3}{1.5}$   $\frac{5.7}{1.3}$   $\frac{6.0}{1.6}$   $\frac{6.8}{2.1}$   $\frac{5.6}{2.7}$   $\frac{5.4}{3.3}$   $\frac{6.3}{3.3}$

45.4 45.4 44.8 43.3 43.4 42.4 42.7 43.4 43.2 42.6

$\frac{2.3}{3.3}$   $\frac{2.3}{2.8}$   $\frac{2.9}{2.1}$   $\frac{4.4}{1.7}$   $\frac{4.3}{1.4}$   $\frac{5.3}{1.8}$   $\frac{5.0}{2.2}$   $\frac{4.3}{2.7}$   $\frac{4.5}{3.3}$   $\frac{5.1}{3.3}$

45.4 46.3 46.5 45.8 44.5 44.0 44.0 43.8 44.5 44.1 43.4 43.3

$\frac{2.3}{3.3}$   $\frac{1.4}{3.1}$   $\frac{1.2}{2.7}$   $\frac{1.9}{2.5}$   $\frac{3.2}{2.0}$   $\frac{3.7}{1.5}$   $\frac{3.7}{1.4}$   $\frac{3.9}{2.5}$   $\frac{3.2}{2.8}$   $\frac{3.6}{2.9}$   $\frac{4.3}{2.9}$   $\frac{4.4}{3.3}$

44.8 44.0 43.9 42.8 43.5 43.5 42.9 43.4 44.4 43.9 43.6

$\frac{2.9}{3.3}$   $\frac{3.7}{3.0}$   $\frac{3.8}{2.0}$   $\frac{4.9}{1.7}$   $\frac{4.2}{1.2}$   $\frac{4.2}{1.6}$   $\frac{4.8}{2.3}$   $\frac{4.3}{2.6}$   $\frac{3.3}{2.9}$   $\frac{3.8}{2.9}$   $\frac{4.1}{3.3}$

39.3 38.9 39.2 38.8 39.6 39.0 38.6 38.4 39.6 40.8 40.5

$\frac{3.4}{2.9}$   $\frac{8.8}{2.4}$   $\frac{8.5}{2.0}$   $\frac{8.9}{1.7}$   $\frac{8.1}{1.3}$   $\frac{8.7}{1.4}$   $\frac{9.1}{2.1}$   $\frac{9.3}{2.4}$   $\frac{8.1}{2.4}$   $\frac{6.9}{2.5}$   $\frac{7.2}{3.3}$

Nail in X- Fence post R. Sta. 67+90

# Project 88-C Prelim. X- Sect.

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| +50  |      |         |      |         |
| +25  |      |         |      |         |
| 75   |      |         |      |         |
| 74   |      |         |      |         |
| 73   |      |         |      |         |
| T.P. | 4.58 | 2546.35 | 5.93 | 2541.77 |
| 72   |      |         |      |         |
|      |      | 2547.70 |      |         |

# Project 88-C Prelim X- Sect.

33

42.2 42.1 42.2 40.5 40.5 39.6 39.7 40.5 40.3 39.4 40.3 41.2 41.4 43.1 42.7 42.8

$\frac{4.2}{3.3} \frac{1.3}{2.8} \frac{4.2}{2.3} \frac{5.9}{2.0} \frac{5.9}{1.8} \frac{6.9}{1.6} \frac{6.7}{1.5} 5.9 \frac{6.1}{1.3} \frac{7.0}{1.6} \frac{6.1}{1.8} \frac{5.2}{1.9} \frac{5.0}{2.2} \frac{3.3}{2.8} \frac{3.7}{3.1} \frac{2.6}{3.3}$

41.9 42.2 42.6 42.1 41.0 40.7 41.0 41.5 41.5 40.8 41.8 41.6 43.9 43.8

$\frac{4.5}{3.5} \frac{4.2}{2.8} \frac{3.8}{2.4} \frac{4.3}{1.8} \frac{5.4}{1.8} \frac{5.7}{1.7} \frac{5.4}{1.4} \frac{5.4}{1.8} 4.9 \frac{4.9}{1.2} \frac{5.6}{1.6} \frac{4.6}{1.8} \frac{4.8}{2.3} \frac{2.5}{2.8} \frac{2.6}{3.3}$

41.8 41.8 42.1 41.4 40.7 41.2 41.7 41.5 41.0 42.3 41.7 42.9 44.2 44.3

$\frac{4.6}{3.3} \frac{4.6}{2.8} \frac{4.3}{2.5} \frac{5.0}{1.9} \frac{5.7}{1.7} \frac{5.2}{1.5} 4.7 \frac{4.9}{1.3} \frac{5.4}{1.6} \frac{4.1}{1.8} \frac{4.7}{2.3} \frac{3.5}{2.6} \frac{2.2}{2.8} \frac{2.1}{3.3}$

39.7 39.6 39.9 39.4 38.6 39.7 40.0 40.0 39.1 38.6 39.2 40.0 41.3 41.8

$\frac{6.7}{3.2} \frac{6.8}{2.7} \frac{6.5}{2.4} \frac{7.0}{1.9} \frac{7.8}{1.8} \frac{6.7}{1.6} 6.4 \frac{6.4}{1.1} \frac{7.3}{1.4} \frac{7.8}{2.2} \frac{7.2}{2.4} \frac{6.4}{2.6} \frac{5.1}{2.9} \frac{4.6}{3.3}$

40.6 40.4 40.5 39.6 38.9 39.7 40.0 39.9 38.7 39.4 38.2 38.8 39.8 40.1 40.5

$\frac{5.8}{3.3} \frac{6.0}{3.0} \frac{5.9}{2.5} \frac{6.8}{2.0} \frac{7.5}{1.9} \frac{6.7}{1.7} 6.4 \frac{6.5}{1.1} \frac{7.7}{1.5} \frac{7.0}{1.6} \frac{8.2}{2.2} \frac{7.6}{2.4} \frac{6.6}{2.6} \frac{6.0}{2.9} \frac{5.9}{3.3}$

Spikes in T.P. # 3058 R. Sta. 72+10

42.6 43.0 40.3 42.2 41.3 40.3 40.6 40.9 40.5 39.9 40.8 40.1 41.0 41.0 40.9

$\frac{5.1}{3.3} \frac{4.7}{3.0} \frac{5.4}{2.7} \frac{5.5}{2.3} \frac{6.4}{2.0} \frac{7.4}{2.0} \frac{7.1}{1.7} 6.8 \frac{7.2}{1.2} \frac{7.8}{1.5} \frac{6.9}{1.8} \frac{7.6}{2.2} \frac{6.7}{2.5} \frac{6.7}{2.9} \frac{6.8}{3.3}$



# Project 88-C Prelim X- Sect.

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 3.23 | 2535.37 | 8.11 | 2532.14 |

< 90'

+60



School

79

+61

78

77

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 0.73 | 2540.25 | 6.83 | 2539.52 |
|------|------|---------|------|---------|

+50

76

2543.35

Nail in T.P. # 3053 R. Sta. 79+15

|     |      |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|------|
| 30A | 29A  | 29.7 | 29.0 | 30.1 | 29.9 | 30.1 | 30.0 | 28.7 | 29.3 | 30.0 | 29.5 |
| 9.9 | 10.9 | 10.6 | 11.3 | 10.2 | 10.4 | 10.2 | 10.3 | 11.6 | 11.0 | 10.3 | 10.8 |
| 31  | 23   | 20   | 18   | 13   | 11   |      | 14   | 18   | 21   | 29   | 33   |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 31.5 | 31.4 | 30.7 | 30.4 | 30.7 | 31.0 | 30.7 | 29.7 | 29.3 | 30.0 | 29.9 |
| 8.8  | 8.9  | 9.6  | 9.9  | 9.6  | 9.3  | 9.6  | 10.6 | 11.0 | 10.3 | 10.4 |
| 32   | 26   | 20   | 16   | 13   |      | 14   | 17   | 22   | 24   | 33   |

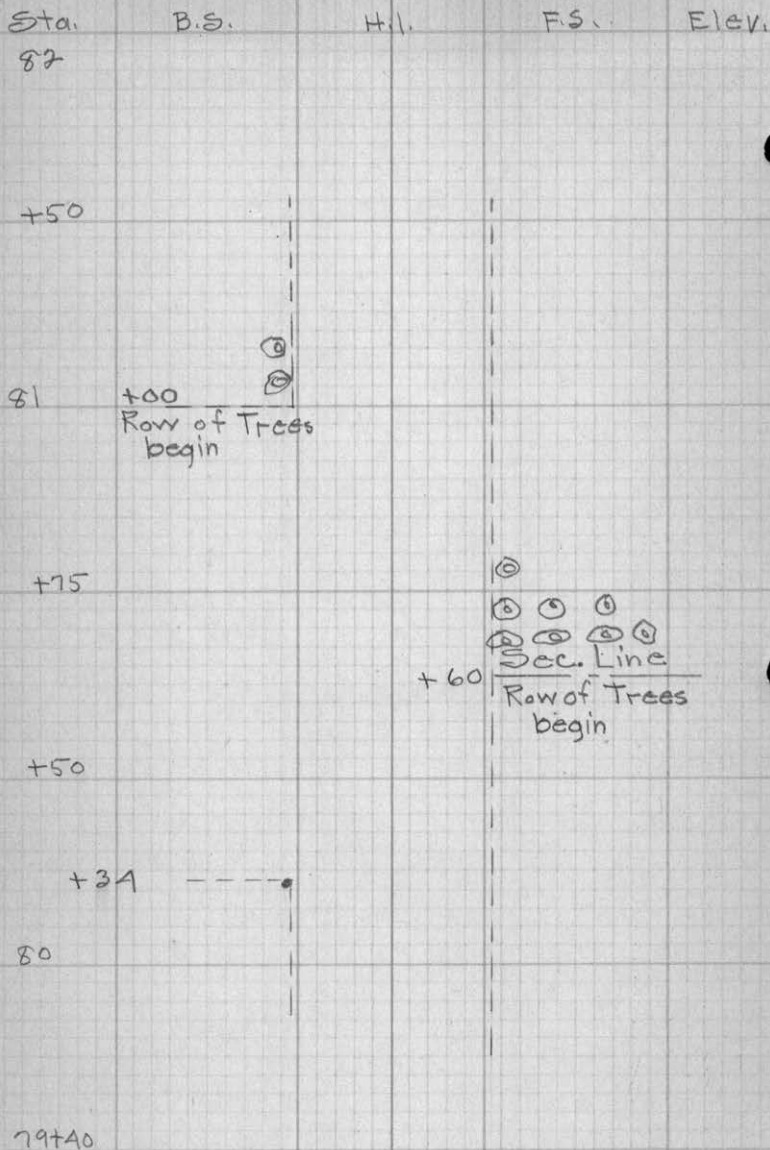
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 34.5 | 34.5 | 33.4 | 33.4 | 32.8 | 32.8 | 33.3 | 33.6 | 32.9 | 32.0 | 32.0 | 33.1 | 32.8 | 33.0 |
| 5.8  | 5.8  | 6.9  | 6.9  | 7.5  | 7.5  | 7.0  | 6.7  | 7.4  | 8.3  | 8.3  | 7.2  | 7.5  | 7.3  |
| 33   | 26   | 21   | 18   | 18   | 15   | 13   |      | 13   | 16   | 24   | 26   | 30   | 33   |

Nail in T.P. # 3055 R. Sta. 76+10

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 37.1 | 37.0 | 37.2 | 36.0 | 35.7 | 34.3 | 34.8 | 35.2 | 34.8 | 33.6 | 34.1 | 36.6 | 35.9 | 35.9 |
| 9.3  | 9.4  | 9.2  | 10.4 | 10.7 | 12.1 | 11.6 | 11.2 | 11.6 | 12.8 | 12.3 | 9.8  | 10.5 | 10.5 |
| 33   | 30   | 29   | 22   | 18   | 18   | 15   |      | 7    | 17   | 21   | 28   | 30   | 33   |

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 40.3 | 40.0 | 39.0 | 38.5 | 36.6 | 37.3 | 37.8 | 36.9 | 35.9 | 36.8 | 37.6 | 38.2 | 40.2 | 39.7 |
| 6.1  | 6.4  | 7.4  | 7.9  | 9.8  | 9.1  | 8.6  | 9.5  | 11.0 | 9.6  | 8.8  | 8.2  | 6.2  | 6.7  |
| 33   | 25   | 22   | 18   | 17   | 14   |      | 13   | 17   | 18   | 20   | 23   | 28   | 33   |

# Project 88-C Prelim. X-Sect.



# Project 88-C Prelim. X-Sect.

35

31.1 31.3 29.7 28.7 30.4 31.4 32.1 31.4 31.5 31.6 31.5 30.1 29.1 30.1 30.2

$\frac{4.2}{31}$   $\frac{4.1}{28}$   $\frac{5.7}{25}$   $\frac{6.7}{23}$   $\frac{5.4}{20}$   $\frac{4.0}{17}$   $\frac{3.3}{9}$   $\frac{4.0}{7}$   $3.9$   $\frac{3.8}{9}$   $\frac{3.9}{13}$   $\frac{5.3}{14}$   $\frac{6.3}{23}$   $\frac{5.2}{30}$   $\frac{5.2}{33}$

30.7 30.1 28.9 30.5 30.9 30.1 31.0 31.3 31.1 30.9 28.9 30.5 31.1

$\frac{4.7}{28}$   $\frac{5.3}{24}$   $\frac{6.5}{22}$   $\frac{4.9}{19}$   $\frac{4.5}{15}$   $\frac{5.3}{13}$   $\frac{4.4}{8}$   $4.1$   $\frac{4.3}{10}$   $\frac{4.5}{16}$   $\frac{6.5}{25}$   $\frac{4.9}{30}$   $\frac{4.3}{33}$

31.2 30.8 29.1 29.7 30.2 29.6 30.2 30.7 30.7 30.3 29.8 30.7 30.1 29.2 30.0 30.6

$\frac{4.2}{33}$   $\frac{4.6}{28}$   $\frac{6.3}{24}$   $\frac{5.7}{21}$   $\frac{5.2}{17}$   $\frac{5.8}{14}$   $\frac{5.2}{13}$   $4.7$   $\frac{4.7}{4}$   $\frac{5.1}{13}$   $\frac{5.6}{14}$   $\frac{4.7}{19}$   $\frac{5.3}{23}$   $\frac{6.2}{27}$   $\frac{5.4}{29}$   $\frac{4.8}{33}$

30.7 30.6 30.2 30.4 30.4 29.3 29.9 29.1 30.2 30.4

$\frac{4.7}{34}$   $\frac{4.8}{17}$   $\frac{5.2}{9}$   $5.0$   $\frac{5.0}{14}$   $\frac{6.1}{17}$   $\frac{5.5}{20}$   $\frac{6.3}{26}$   $\frac{5.2}{29}$   $\frac{5.1}{33}$

29.5 29.7 29.4 29.8 30.2 30.1 28.6 29.6 29.7 30.1 30.1

$\frac{5.9}{33}$   $\frac{5.7}{27}$   $\frac{6.0}{20}$   $\frac{5.6}{10}$   $5.2$   $\frac{5.2}{14}$   $\frac{6.8}{18}$   $\frac{5.8}{20}$   $\frac{5.7}{28}$   $\frac{5.3}{29}$   $\frac{5.3}{33}$

30.7 30.5 28.4 28.4 29.7 29.9 29.9 28.6 29.5 30.1 29.8

$\frac{4.7}{32}$   $\frac{4.4}{26}$   $\frac{7.0}{25}$   $\frac{7.0}{17}$   $\frac{5.7}{9}$   $5.5$   $\frac{5.5}{14}$   $\frac{6.8}{19}$   $\frac{5.9}{28}$   $\frac{5.3}{29}$   $\frac{5.6}{33}$

30.5 30.4 29.0 28.0 29.0 29.8 29.9 29.7 29.1 29.5 29.8 29.8

$\frac{4.4}{33}$   $\frac{5.0}{30}$   $\frac{6.4}{25}$   $\frac{7.4}{20}$   $\frac{6.4}{17}$   $\frac{5.6}{13}$   $5.5$   $\frac{5.7}{13}$   $\frac{6.3}{18}$   $\frac{5.9}{20}$   $\frac{5.6}{26}$   $\frac{5.6}{33}$

# Project 88-C Prelim. X- Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
| +65  |      |      |      |       |

83+50

83

+75

82+50

+ 47 Br.  
ends

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 3.64 | 2535.79 | 3.22 | 2532.15 |
|------|------|---------|------|---------|

Steel I-Beam Br.  
24' span 16' Rwy.

Flow

82+23 Br. begins

Row of  
Trees  
end

Row of Trees  
end

2535.37

# Project 88-C Prelim. X- Sect.

36

29.8 28.7 29.1 28.4 29.2 29.1 28.8 28.1 28.5 27.1 25.5 26.4 26.4

$\frac{6.0}{32}$   $\frac{7.1}{28}$   $\frac{6.7}{21}$   $\frac{7.4}{19}$   $\frac{6.6}{21}$   $\frac{6.7}{17}$   $\frac{7.0}{10}$   $\frac{7.7}{12}$   $\frac{7.2}{18}$   $\frac{8.7}{24}$   $\frac{10.3}{24}$   $\frac{9.4}{29}$   $\frac{9.4}{33}$

29.9 29.6 28.5 27.4 29.1 28.7 29.1 29.3 29.1 29.0 27.8 28.4 26.2 25.3 26.2 26.1

$\frac{5.9}{33}$   $\frac{6.2}{29}$   $\frac{7.3}{28}$   $\frac{8.4}{24}$   $\frac{6.7}{18}$   $\frac{7.1}{17}$   $\frac{6.7}{15}$   $\frac{6.5}{5}$   $\frac{6.7}{7}$   $\frac{6.8}{10}$   $\frac{8.0}{12}$   $\frac{7.4}{12}$   $\frac{9.6}{19}$   $\frac{10.5}{25}$   $\frac{9.6}{30}$   $\frac{9.7}{33}$

30.1 30.0 28.5 26.6 27.9 30.1 30.2 29.6 28.9 27.7 26.4 25.8 26.2

$\frac{5.7}{32}$   $\frac{5.8}{28}$   $\frac{7.3}{28}$   $\frac{9.2}{22}$   $\frac{7.9}{16}$   $\frac{5.7}{15}$   $\frac{5.6}{5}$   $\frac{6.2}{8}$   $\frac{6.9}{12}$   $\frac{8.1}{12}$   $\frac{9.4}{19}$   $\frac{10.0}{28}$   $\frac{9.6}{33}$

30.6 30.9 28.2 28.1 29.6 30.7 31.2 31.3 30.7 27.7 26.3 26.1 26.5

$\frac{5.2}{33}$   $\frac{4.9}{29}$   $\frac{7.6}{23}$   $\frac{7.7}{20}$   $\frac{6.2}{14}$   $\frac{5.1}{11}$   $\frac{4.6}{7}$   $\frac{4.5}{7}$   $\frac{5.1}{8}$   $\frac{8.1}{14}$   $\frac{9.5}{21}$   $\frac{9.7}{27}$   $\frac{9.3}{32}$

30.3 31.0 31.4 30.9 32.3 32.2 32.2 28.8 27.3 27.4 27.5

$\frac{5.5}{31}$   $\frac{4.8}{27}$   $\frac{4.4}{23}$   $\frac{4.9}{14}$   $\frac{3.5}{8}$   $\frac{3.6}{8}$   $\frac{3.6}{8}$   $\frac{7.0}{9}$   $\frac{8.5}{17}$   $\frac{8.4}{26}$   $\frac{8.2}{33}$

Bridge Floor Sta. 82+25 on N.W. Cor.

28.3 28.1 26.5 27.9 29.3 28.7 32.2 32.0 32.1 28.7 28.0 27.5 26.5

$\frac{7.1}{33}$   $\frac{7.3}{28}$   $\frac{8.9}{23}$   $\frac{7.5}{21}$   $\frac{6.1}{13}$   $\frac{6.7}{8}$   $\frac{3.2}{7}$   $\frac{3.4}{9}$   $\frac{3.3}{9}$   $\frac{6.7}{9}$   $\frac{7.4}{16}$   $\frac{7.9}{22}$   $\frac{8.9}{29}$

# Project 88-C Prelim. X- Sect.

| Sta. | B.S.                    | H.I.    | F.S.                | Elev.   |
|------|-------------------------|---------|---------------------|---------|
| 87   |                         |         |                     |         |
| +60  |                         |         |                     |         |
| 86   |                         |         | +00                 |         |
| +60  |                         |         |                     |         |
| 85   |                         |         | Plum Thicket<br>+00 |         |
| T.P. | 2163<br>August 12, 1922 | 2532.05 | 6.37                | 2529.42 |
|      | Weather: Bright, Warm   |         |                     |         |
|      | A.W. Ogle, *            |         |                     |         |
|      | E.P. Clements, Rod      |         |                     |         |
| 84   | F.E. Corrick, Chain     |         |                     |         |



# Project 88-C Prelim. X- Sect.

37

29.2 284 271 210 267 257 254 258 263 261 257 24.5 253 257 252 243 23.5 243 256 257 261  
 2.9 3.7 5.0 5.1 5.4 6.4 6.7 6.3 5.8 6.0 6.4 7.6 6.8 6.4 6.9 7.8 8.6 7.8 6.5 6.1 5.7  
 33 30 27 25 22 21 18 17 4 10 13 14 15 21 22 25 27 29 30 33

304 292 283

265 26.9 267

1.7 2.9 3.8  
 33 30 27

5.6 5.2 5.4  
 29 32 33

27.3 266 263 260 260 257 266 266 26.9 266 262 256 246 255 261 262 247 238 247  
 4.8 5.5 5.8 6.1 6.1 6.4 5.5 5.5 5.2 5.5 5.9 6.5 7.5 6.6 6.0 5.9 7.4 8.3 7.4  
 25 24 21 21 19 18 16 10 3 9 12 14 14 16 20 24 25 27

32.3 311

253 288 254 261 269 270 265

Neg. Rods - 0.2 1.0  
 35 33

6.8 7.2 6.7 6.0 5.2 5.1 5.6  
 21 25 26 28 30 32 33

29.6 283 268 263 264 259 264 267 267 266 267 265 261 258 259 259 266 266  
 2.5 3.8 5.3 5.8 5.7 6.2 5.7 5.4 5.4 5.5 5.4 5.6 6.0 6.3 6.2 6.2 5.5 5.5  
 30 29 27 23 21 19 18 16 6 1 10 12 14 14 15 16 17

26.1 266

6.9 5.5  
 27 31

29.0 289 279 274 264 266 257 265 26.6 26.8 26.9 25.9 25.5 25.8 25.8 265 260 25.2  
 3.1 3.2 4.2 4.7 5.7 5.5 6.4 5.6 5.5 5.3 5.2 6.2 6.6 6.3 6.3 5.6 6.1 6.9  
 33 31 28 25 23 20 18 16 10 10 13 14 15 16 18 20 24

264

5.7  
 33

26.8 267 266 26.9 267 271 26.9 26.8 27.0 26.4 25.9 26.2 26.2 26.4 25.0 25.4 26.0  
 5.3 5.4 5.5 5.2 5.4 5.0 5.2 5.3 5.1 5.7 6.2 5.9 5.9 5.7 7.1 6.7 6.1  
 33 29 25 22 20 16 14 9 11 13 13 15 16 24 27 29

Nail in T.P. # 3048 L. Sta. 83+85

284 291 283 284 276 286 284 281 275 282 268 257 271 271  
 7.4 6.7 7.5 7.4 8.2 7.2 7.4 7.7 8.3 7.6 9.0 10.1 8.7 8.7  
 32 31 27 21 20 14 6 11 12 18 26 28 33

# Project 88-C Prelim. X- Sect.

| Sta  | B.S.  | H.I.    | F.S. | Elev.   |
|------|-------|---------|------|---------|
| T.P. | 10.78 | 2537.93 | 4.28 | 2527.15 |

92

91

90

+47

T.P.

6.17

2531.43

6.79

2525.26

89

+70

=====

18" X 24' CORR. IRON  
PIPE

88

2532.05

## 38

27A 292 258 261 262 269 27A 270 266 266 259 259 249 24A 250 255 264  
 $\frac{4.0}{33}$   $\frac{4.2}{31}$   $\frac{5.6}{27}$   $\frac{5.2}{22}$   $\frac{5.2}{19}$   $\frac{4.5}{18}$   $\frac{4.0}{4}$   $\frac{4.4}{1}$   $\frac{4.8}{5}$   $\frac{4.8}{10}$   $\frac{5.5}{13}$   $\frac{5.5}{17}$   $\frac{6.5}{24}$   $\frac{7.0}{25}$   $\frac{6.4}{27}$   $\frac{5.9}{29}$   $\frac{5.0}{33}$

25.2 25.2 24.8 23.4 23.1 23.9 24.5 24.8 25.1 24.8 24.3 23.3 23.3 23.3 22.8 22.2 22.1 22.6 23.7  
6.2 6.2 6.6 8.0 7.7 7.5 6.9 6.6 6.3 6.6 7.1 8.1 8.1 8.1 8.6 9.2 9.3 8.8 7.7  
33 31 28 25 22 20 17 15 4 11 13 15 16 18 27 29 31 33

23.8 23.4

$\frac{7.6}{32}$   $\frac{8.0}{33}$   
 25.0 24.5 24.1 23.5 23.2 22.7 22.6 23.9 23.7 23.4 22.3 21.8 22.0 22.1 21.9 21.3 21.7 23.4  
 $\frac{6.4}{32}$   $\frac{6.9}{30}$   $\frac{7.3}{27}$   $\frac{7.9}{25}$   $\frac{8.2}{22}$   $\frac{8.7}{20}$   $\frac{8.8}{19}$   $\frac{7.5}{16}$   $\frac{7.7}{16}$   $\frac{8.0}{10}$   $\frac{9.1}{12}$   $\frac{9.6}{14}$   $\frac{9.4}{15}$   $\frac{9.3}{17}$   $\frac{9.5}{19}$   $\frac{10.1}{25}$   $\frac{9.7}{29}$   $\frac{8.0}{30}$

Nail in T.P. # 304A L. Sta. 89+15

21.6  
 $\frac{7.5}{3.3}$   
 21.8 21.4 23.9 23.4 23.2 22.9 22.6 24.4 24.1 23.7 23.7 23.4 22.7 22.1 22.1 22.4 21.9 21.6  
 $\frac{10.8}{2.5}$   $\frac{9.9}{2.1}$   $\frac{8.8}{3.0}$   $\frac{8.1}{3.2}$   $\frac{8.5}{3.3}$   
 7.3 7.7 8.2 8.7 8.9 9.2 9.5 7.7 8.0 8.4 8.4 8.7 9.4 10.0 10.0 9.7 10.2 10.5  
 $\frac{1.2}{2.2}$   $\frac{2.7}{2.5}$   $\frac{2.2}{2.1}$   $\frac{1.8}{1.4}$   $\frac{1.2}{1.2}$   $\frac{8.4}{8.4}$   $\frac{8.7}{10.1}$   $\frac{9.4}{13}$   $\frac{10.0}{14}$   $\frac{10.0}{15}$   $\frac{9.7}{16}$   $\frac{10.2}{19}$   $\frac{10.5}{2}$

24.1 23.8

$\begin{array}{cccccccccccccccccccc} & & & & & & & & & & \frac{8.0}{31} & \frac{8.3}{33} & & & & & & \\ 26.0 & 26.0 & 25.5 & 24.9 & 24.4 & 23.7 & 24.0 & 24.5 & 24.6 & 24.3 & 24.1 & 23.6 & 23.1 & 23.2 & 23.9 & 23.5 & 23.1 & 23.8 \\ \hline \frac{6.1}{34} & \frac{6.1}{31} & \frac{6.6}{28} & \frac{7.2}{25} & \frac{7.7}{21} & \frac{8.4}{20} & \frac{8.1}{17} & \frac{7.6}{16} & \frac{7.5}{13} & 7.8 & \frac{8.0}{10} & \frac{8.5}{12} & \frac{9.0}{13} & \frac{8.9}{14} & \frac{8.2}{16} & \frac{8.6}{22} & \frac{9.0}{28} & \frac{8.3}{29} \end{array}$

# Project 88-C Prelim. X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 6.41 | 2551.07 | 3.29 | 2544.66 |

96

95

94

|      |       |         |      |         |
|------|-------|---------|------|---------|
| T.P. | 10.73 | 2547.95 | 0.71 | 2537.22 |
|------|-------|---------|------|---------|

+30 Drive

94

93

+00 Driveway

2537.93

Nail in T.P. #3039 L. Sta. 95+75

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 45.5 | 45.2 | 44.5 | 43.6 | 43.9 | 43.4 | 44.2 | 44.1 | 44.6 | 44.4 | 43.7 | 43.5 | 43.1 | 43.1 | 40.9 | 41.7 | 41.0 | 41.6 | 42.2 | 42.4 |
| 2.5  | 2.8  | 3.5  | 4.4  | 4.1  | 4.6  | 3.8  | 3.9  | 3.4  | 3.6  | 4.3  | 4.5  | 4.9  | 4.9  | 7.1  | 6.3  | 7.0  | 6.4  | 5.8  | 5.6  |
| 33   | 31   | 28   | 25   | 21   | 20   | 19   | 10   | 4    |      | 5    | 10   | 11   | 13   | 16   | 18   | 25   | 28   | 29   | 33   |

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| 43.1 | 42.8 | 41.2 | 39.4 | 39.8 | 40.5 | 40.0 | 40.3 | 40.0 | 39.4 | 39.2 | 37.3 | 37.3 | 37.8 | 37.8 | 38.4 | 38.1 | 38.2 |  |  |
| 4.9  | 5.2  | 6.8  | 8.6  | 8.2  | 7.5  | 8.0  | 7.7  | 8.0  | 8.6  | 8.5  | 10.7 | 10.7 | 10.2 | 10.2 | 9.6  | 9.9  | 9.8  |  |  |
| 33   | 31   | 28   | 24   | 19   | 16   | 13   | 5    |      | 11   | 12   | 15   | 16   | 17   | 24   | 28   | 32   | 33   |  |  |

38.1 38.0 37.9

|     |      |      |
|-----|------|------|
| 9.9 | 10.0 | 10.1 |
| 33  | 32   | 30   |

Nail in Stub post L. Sta. 94+20

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 36.2 | 34.8 | 34.5 | 34.0 | 34.3 | 34.1 | 34.6 | 33.7 | 35.0 | 34.5 | 34.4 | 32.9 | 33.0 | 33.6 | 33.2 | 34.0 | 34.1 | 34.0 | 34.0 |  |
| 1.7  | 3.1  | 3.4  | 3.9  | 3.6  | 3.8  | 3.3  | 2.7  | 2.9  | 3.4  | 3.5  | 5.0  | 4.9  | 4.3  | 4.7  | 3.9  | 3.5  | 3.9  | 3.9  |  |
| 27   | 25   | 23   | 22   | 18   | 16   | 13   | 3    |      | 6    | 12   | 15   | 17   | 18   | 21   | 25   | 27   | 30   | 33   |  |

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|
| 31.6 | 31.5 | 30.7 | 31.0 | 30.0 | 30.0 | 30.8 | 30.5 | 30.9 | 30.6 | 29.9 | 29.4 | 29.7 | 29.5 | 29.7 | 30.2 | 30.4 |  |  |  |
| 6.3  | 6.4  | 7.2  | 6.9  | 7.9  | 7.9  | 7.1  | 7.4  | 7.0  | 7.3  | 8.0  | 8.5  | 8.2  | 8.4  | 8.2  | 7.7  | 7.5  |  |  |  |
| 33   | 31   | 28   | 24   | 22   | 19   | 17   | 16   | 5    |      | 11   | 16   | 21   | 22   | 28   | 29   | 33   |  |  |  |

# Project 88-C Prelim. X-Section.

| Sta. | B.S.                | H.I.    | F.S. | Elev    |
|------|---------------------|---------|------|---------|
| 101  |                     |         |      |         |
| 100  |                     |         |      |         |
| +85  |                     |         |      |         |
| T.P. | 5165                | 2547.17 | 9.55 | 2541.52 |
| 99   | +10 plum<br>Thicket |         |      |         |
| 98   |                     |         |      |         |
| +60  |                     |         |      |         |
| 97   |                     |         |      |         |
|      |                     | 2551.07 |      |         |

# Project 88 - C Prelim X- Sect.

40

39.2 38.7 37.8 37.9 37.1 38.5 38.4 39.0 39.8 39.3 37.8 38.1 38.7 38.7 39.7 40.4 40.2  
8.0 8.5 9.4 9.3 8.1 8.7 8.8 8.2 7.9 7.9 9.4 9.1 8.5 8.5 7.5 6.8 7.0  
 33 29 26 22 18 17 16 11 16 20 21 23 27 29 32 33

40.0 40.1 38.7 38.7 38.4 38.4 39.8 39.5 40.1 39.5 38.4 38.5 38.9 38.7 39.3  
7.2 7.1 8.5 8.5 8.8 8.8 7.4 7.7 7.1 7.7 8.8 8.7 8.3 8.5 7.9  
 32 28 24 20 20 18 14 9 13 17 19 20 28 33

Nail in T.P. # 3036 L. Sta. 99+70

42.6 42.3 42.2 41.3 40.7 41.3 41.8 40.7 39.5 39.5 40.2 39.4 39.5 40.4  
8.5 8.8 8.9 9.8 10.4 9.8 9.3 10.4 11.6 11.6 10.9 11.7 11.6 10.7  
 33 30 24 21 18 7 14 18 19 20 24 29 33

46.8 46.7 46.0 46.5 45.3 43.5 43.8 43.5 45.1 44.7 45.0 43.8 43.5 41.9 42.3 41.9 42.1 42.5 42.7  
4.3 4.4 5.1 4.8 5.8 7.6 7.3 7.6 6.0 6.4 6.1 7.3 7.6 9.2 8.8 9.2 9.0 8.6 8.4  
 33 31 29 27 26 22 19 18 14 7 9 16 19 22 25 28 30 33

47.9 47.7 47.1 46.1 44.8 44.9 46.3 46.1 46.4 45.6 45.5 43.9 44.4 43.7 44.4 44.4  
3.2 3.4 4.0 5.0 6.3 6.2 4.8 5.0 4.7 5.5 5.6 7.2 6.7 7.4 6.7 6.7  
 33 31 28 26 24 18 15 8 8 15 15 19 21 28 30 33

48.0

3.1  
3.2

47.4 46.2 45.8 46.3 45.8 45.9 46.5 46.7 47.1 47.0 46.3 46.4 45.9 44.4 45.3 44.5 44.2 45.1 45.9  
3.7 4.9 5.3 4.8 5.3 5.2 4.6 4.4 4.0 4.1 4.8 4.7 5.2 6.7 5.8 6.6 6.9 5.7 5.2  
 28 26 23 20 19 18 16 9 2 8 12 15 19 19 23 28 31 33



# Project 88-C Prelim. X-Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

B.M.

2.51

2544.66

104

103

102+90

102

2547.17

Spike in T.P. # 3033 L. sta. 103+62

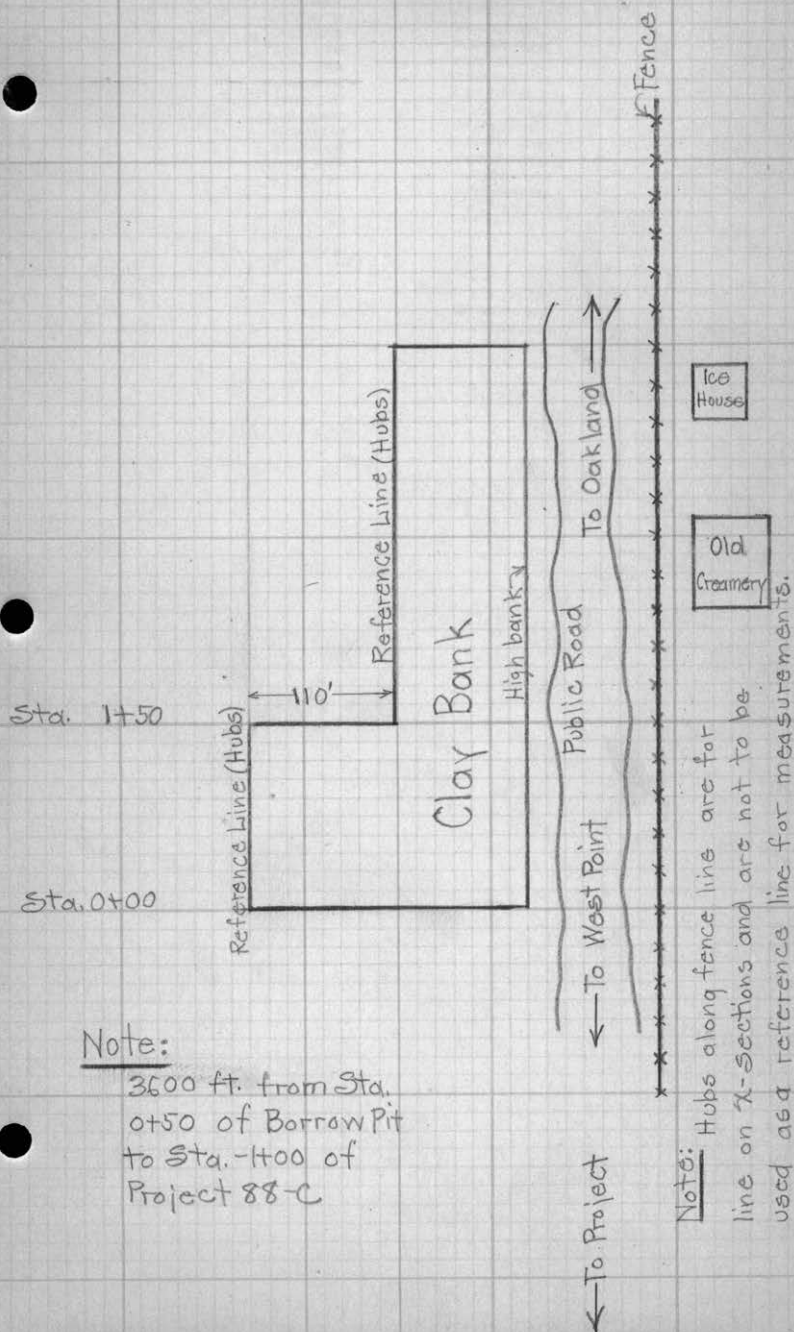
41.7  
5.541.9  
5.3

|                  |                  |                  |                  |                  |                  |                 |      |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 41.1             | 41.3             | 40.9             | 39.9             | 40.1             | 41.1             | 41.7            | 41.7 | 41.2             | 40.2             | 40.7             | 41.9             | 42.2             | 41.8             | 43.3             | 43.3             |
| $\frac{6.1}{33}$ | $\frac{5.9}{32}$ | $\frac{6.3}{25}$ | $\frac{7.3}{23}$ | $\frac{7.1}{19}$ | $\frac{6.1}{15}$ | $\frac{5.5}{4}$ | 5.5  | $\frac{6.0}{13}$ | $\frac{7.0}{15}$ | $\frac{6.5}{19}$ | $\frac{5.3}{21}$ | $\frac{5.0}{22}$ | $\frac{5.4}{27}$ | $\frac{3.9}{30}$ | $\frac{3.9}{33}$ |

|                  |                  |                  |                  |                  |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 39.3             | 39.1             | 38.2             | 38.7             | 38.7             | 39.4            | 40.0            | 40.1             | 40.2             | 39.0             | 39.0             | 39.6             | 39.5             | 40.4             | 40.4             | 40.2             |
| $\frac{7.9}{32}$ | $\frac{8.1}{26}$ | $\frac{9.0}{24}$ | $\frac{8.5}{20}$ | $\frac{8.5}{17}$ | $\frac{7.8}{8}$ | $\frac{7.2}{3}$ | $\frac{7.1}{17}$ | $\frac{7.0}{19}$ | $\frac{8.2}{22}$ | $\frac{8.2}{23}$ | $\frac{7.6}{27}$ | $\frac{7.7}{30}$ | $\frac{6.8}{32}$ | $\frac{6.8}{32}$ | $\frac{7.0}{33}$ |

Project 88C Prelim. X-Sect.

Prelim.  
Borrow Pits



# Project 88-C Prelim. X-Section for Clay Pit

| Sta.                         | B.S.  | H.I.   | F.S. | Elev.  |
|------------------------------|-------|--------|------|--------|
| 1+00                         |       |        |      |        |
| 0+75                         |       |        |      |        |
| 0+50                         |       |        |      |        |
| T.P.                         | 11.29 | 118.68 | 1.72 | 107.39 |
| 0+25                         |       |        |      |        |
| 0+00                         |       |        |      |        |
| B.M.                         | 9.11  | 109.11 |      | 100.00 |
| November 3, 1922             |       |        |      |        |
| Weather: Bright, Warm, Muddy |       |        |      |        |
| A.L. Ogle, $\pi$             |       |        |      |        |
| E. P. Clements, Rod          |       |        |      |        |
| G. S. Callahan, Chain        |       |        |      |        |

# Project 88-C Prelim. X- Sect. for Clay Pit

11.3 17.5 15.7 16.5 16.4 17.9 17.0 14.6 12.7 12.8 10.3 09.0

$\frac{7.4}{0} \quad \frac{1.2}{14} \quad \frac{3.0}{18} \quad \frac{2.2}{35} \quad \frac{2.3}{46} \quad \frac{0.8}{60} \quad \frac{1.7}{73} \quad \frac{4.1}{100} \quad \frac{6.0}{115} \quad \frac{5.9}{120} \quad \frac{8.4}{140} \quad \frac{9.7}{150}$

10.7 15.6 15.1 15.7 16.1 13.0 09.8 08.2 08.6 07.0

$\frac{8.0}{0} \quad \frac{3.1}{22} \quad \frac{3.6}{36} \quad \frac{3.0}{47} \quad \frac{2.6}{73} \quad \frac{5.7}{100} \quad \frac{8.9}{118} \quad \frac{10.5}{135} \quad \frac{10.1}{139} \quad \frac{11.7}{151}$

06.3 11.0 11.8 13.1 13.0 11.8 09.7 06.7 04.8 05.6

$\frac{12.4}{0} \quad \frac{7.7}{29} \quad \frac{6.9}{46} \quad \frac{5.6}{49} \quad \frac{5.7}{73} \quad \frac{6.9}{88} \quad \frac{9.0}{100} \quad \frac{12.0}{115} \quad \frac{13.9}{126} \quad \frac{13.1}{137}$

Nail in Top Hub 73' R. Sta. 0+25

00.6 05.2 01.3 01.3 07.0 04.8 01.7 91.7

$\frac{8.5}{0} \quad \frac{3.9}{23} \quad \frac{1.8}{50} \quad \frac{1.8}{73} \quad \frac{2.1}{97} \quad \frac{1.3}{115} \quad \frac{7.4}{127} \quad \frac{9.4}{138}$

95.5 98.5 01.3 03.4 01.9 98.8 96.1 96.2 94.0

$\frac{13.6}{0} \quad \frac{10.6}{29} \quad \frac{7.8}{52} \quad \frac{5.7}{73} \quad \frac{7.2}{104} \quad \frac{10.3}{121} \quad \frac{13.0}{145} \quad \frac{12.9}{146} \quad \frac{15.1}{154}$

Spike in root of large tree 100' R. Sta. 0+00

Note:

Reference line along E. side of Pit



| Stn. | B.S.  | H.I.  | I.S. | Elev. |
|------|-------|-------|------|-------|
| 1    | 1.25  | 4.25  |      | 3.00  |
| 2    | 1.50  | 4.50  |      | 3.00  |
| 3    | 1.75  | 4.75  |      | 3.00  |
| 4    | 2.00  | 5.00  |      | 3.00  |
| 5    | 2.25  | 5.25  |      | 3.00  |
| 6    | 2.50  | 5.50  |      | 3.00  |
| 7    | 2.75  | 5.75  |      | 3.00  |
| 8    | 3.00  | 6.00  |      | 3.00  |
| 9    | 3.25  | 6.25  |      | 3.00  |
| 10   | 3.50  | 6.50  |      | 3.00  |
| 11   | 3.75  | 6.75  |      | 3.00  |
| 12   | 4.00  | 7.00  |      | 3.00  |
| 13   | 4.25  | 7.25  |      | 3.00  |
| 14   | 4.50  | 7.50  |      | 3.00  |
| 15   | 4.75  | 7.75  |      | 3.00  |
| 16   | 5.00  | 8.00  |      | 3.00  |
| 17   | 5.25  | 8.25  |      | 3.00  |
| 18   | 5.50  | 8.50  |      | 3.00  |
| 19   | 5.75  | 8.75  |      | 3.00  |
| 20   | 6.00  | 9.00  |      | 3.00  |
| 21   | 6.25  | 9.25  |      | 3.00  |
| 22   | 6.50  | 9.50  |      | 3.00  |
| 23   | 6.75  | 9.75  |      | 3.00  |
| 24   | 7.00  | 10.00 |      | 3.00  |
| 25   | 7.25  | 10.25 |      | 3.00  |
| 26   | 7.50  | 10.50 |      | 3.00  |
| 27   | 7.75  | 10.75 |      | 3.00  |
| 28   | 8.00  | 11.00 |      | 3.00  |
| 29   | 8.25  | 11.25 |      | 3.00  |
| 30   | 8.50  | 11.50 |      | 3.00  |
| 31   | 8.75  | 11.75 |      | 3.00  |
| 32   | 9.00  | 12.00 |      | 3.00  |
| 33   | 9.25  | 12.25 |      | 3.00  |
| 34   | 9.50  | 12.50 |      | 3.00  |
| 35   | 9.75  | 12.75 |      | 3.00  |
| 36   | 10.00 | 13.00 |      | 3.00  |
| 37   | 10.25 | 13.25 |      | 3.00  |
| 38   | 10.50 | 13.50 |      | 3.00  |
| 39   | 10.75 | 13.75 |      | 3.00  |
| 40   | 11.00 | 14.00 |      | 3.00  |
| 41   | 11.25 | 14.25 |      | 3.00  |
| 42   | 11.50 | 14.50 |      | 3.00  |
| 43   | 11.75 | 14.75 |      | 3.00  |
| 44   | 12.00 | 15.00 |      | 3.00  |
| 45   | 12.25 | 15.25 |      | 3.00  |
| 46   | 12.50 | 15.50 |      | 3.00  |
| 47   | 12.75 | 15.75 |      | 3.00  |
| 48   | 13.00 | 16.00 |      | 3.00  |
| 49   | 13.25 | 16.25 |      | 3.00  |
| 50   | 13.50 | 16.50 |      | 3.00  |
| 51   | 13.75 | 16.75 |      | 3.00  |
| 52   | 14.00 | 17.00 |      | 3.00  |
| 53   | 14.25 | 17.25 |      | 3.00  |
| 54   | 14.50 | 17.50 |      | 3.00  |
| 55   | 14.75 | 17.75 |      | 3.00  |
| 56   | 15.00 | 18.00 |      | 3.00  |
| 57   | 15.25 | 18.25 |      | 3.00  |
| 58   | 15.50 | 18.50 |      | 3.00  |
| 59   | 15.75 | 18.75 |      | 3.00  |
| 60   | 16.00 | 19.00 |      | 3.00  |
| 61   | 16.25 | 19.25 |      | 3.00  |
| 62   | 16.50 | 19.50 |      | 3.00  |
| 63   | 16.75 | 19.75 |      | 3.00  |
| 64   | 17.00 | 20.00 |      | 3.00  |
| 65   | 17.25 | 20.25 |      | 3.00  |
| 66   | 17.50 | 20.50 |      | 3.00  |
| 67   | 17.75 | 20.75 |      | 3.00  |
| 68   | 18.00 | 21.00 |      | 3.00  |
| 69   | 18.25 | 21.25 |      | 3.00  |
| 70   | 18.50 | 21.50 |      | 3.00  |
| 71   | 18.75 | 21.75 |      | 3.00  |
| 72   | 19.00 | 22.00 |      | 3.00  |
| 73   | 19.25 | 22.25 |      | 3.00  |
| 74   | 19.50 | 22.50 |      | 3.00  |
| 75   | 19.75 | 22.75 |      | 3.00  |
| 76   | 20.00 | 23.00 |      | 3.00  |
| 77   | 20.25 | 23.25 |      | 3.00  |
| 78   | 20.50 | 23.50 |      | 3.00  |
| 79   | 20.75 | 23.75 |      | 3.00  |

2100

1+75

1450

1+40

1+35

T.P.

9.15

126.30

1.53

117.15

118.68

# Project 88-C Prelim. X-Sect. for Clay Pit

3

23.6 20.5 18.0 14.6 13.7

$\frac{2.1}{0} \quad \frac{5.8}{10} \quad \frac{8.3}{21} \quad \frac{11.7}{37} \quad \frac{12.6}{47}$

24.3 20.0 17.9 14.2 13.5

$\frac{2.0}{0} \quad \frac{6.3}{15} \quad \frac{8.4}{29} \quad \frac{12.1}{38} \quad \frac{12.8}{43}$

23.8 19.9 17.2 14.3 12.6

$\frac{2.5}{0} \quad \frac{6.4}{13} \quad \frac{9.1}{24} \quad \frac{12.0}{32} \quad \frac{13.7}{44}$

22.8 20.6 16.0 14.5 13.1

$\frac{3.5}{0} \quad \frac{5.7}{7} \quad \frac{10.3}{11} \quad \frac{11.8}{18} \quad \frac{13.2}{38}$

Note: Hub for Sta. 1+50 is 110' R. of reference line at Sta. 1+40

21.8 20.4 16.0 14.7 12.6 11.8

$\frac{4.5}{110} \quad \frac{5.9}{115} \quad \frac{10.3}{117} \quad \frac{11.6}{123} \quad \frac{13.7}{146} \quad \frac{14.5}{150}$

17.7 14.6 12.7 11.6

$\frac{8.6}{110} \quad \frac{11.7}{118} \quad \frac{13.6}{140} \quad \frac{14.7}{149}$

Nail Top Hub 73' R. Sta. 2+00

# Project 88-C Prelim. X-Section for Clay Pit

| Sta. | B.S. | H.I.   | F.S. | Elev.  |
|------|------|--------|------|--------|
| 3+75 |      |        |      |        |
| 3+50 |      |        |      |        |
| 3+25 |      |        |      |        |
| 3+00 |      |        |      |        |
| 2+75 |      |        |      |        |
| T.P. | 1.38 | 124.18 | 3.50 | 122.80 |
| 2+50 |      |        |      |        |

3+50

3+25

3+00

2+75

T.P.

1.38

124.18

3.50

122.80

2+50

126.30

# Project 88-C Prelim. X-Sect. for Clay Pit

4

19.9 16.0 13.1 10.7 10.5

$\frac{1.3}{0} \quad \frac{8.2}{17} \quad \frac{11.1}{30} \quad \frac{13.5}{44} \quad \frac{13.7}{51}$

20.2 17.2 13.8 11.4 10.7

$\frac{1.0}{0} \quad \frac{7.0}{12} \quad \frac{10.4}{29} \quad \frac{12.8}{41} \quad \frac{13.5}{52}$

20.2 17.0 14.9 12.8 11.4

$\frac{1.0}{0} \quad \frac{7.2}{15} \quad \frac{9.3}{25} \quad \frac{11.4}{35} \quad \frac{12.8}{49}$

20.7 16.6 12.6 12.0 10.5

$\frac{3.5}{0} \quad \frac{7.6}{19} \quad \frac{11.6}{39} \quad \frac{12.2}{50} \quad \frac{13.7}{57}$

21.7 18.8 15.7 12.9 12.2 09.6

$\frac{2.5}{0} \quad \frac{5.4}{13} \quad \frac{8.5}{27} \quad \frac{11.3}{41} \quad \frac{12.0}{51} \quad \frac{14.6}{58}$

Nail Top Hub Sta. 2+50

22.6 17.4 16.3 13.5 13.2 11.6

$\frac{3.7}{0} \quad \frac{8.9}{22} \quad \frac{10.0}{29} \quad \frac{12.8}{40} \quad \frac{13.1}{49} \quad \frac{14.7}{56}$

# Project 88-C Prelim. X- Sect. for Clay Pit

| Sta. | B.S.  | H.I.   | F.S.  | Elev.  |
|------|-------|--------|-------|--------|
| 0+75 |       |        |       |        |
| 0+50 |       |        |       |        |
| 0+25 |       |        |       |        |
| T.P. | 4.54  | 100.15 | 10.20 | 95.61  |
| B.M. |       |        | 5.84  | 99.97  |
| T.P. | 10.20 | 105.81 | 5.78  | 95.61  |
| T.P. | 0.64  | 101.39 | 6.17  | 100.75 |
| T.P. | 0.45  | 106.92 | 9.20  | 106.47 |
| T.P. | 1.20  | 115.67 | 9.71  | 114.47 |
| B.M. |       |        | 0.78  | 123.40 |
| 4+25 |       |        |       |        |
| 4+00 |       |        |       |        |
|      |       | 124.18 |       |        |

# Project 88-C Prelim. X-Sect. for Clay Pit

5

95.0

5.2

166

94.3

5.9

152

95.0

5.2

143

Nail in F.P.R. Sta. 1+00

Nail in Tree 100' R. Sta. 0+00

Nail in F.P. R. Sta. 1+50

Nail in fallen tree R. of Road

Nail in T.P. # 182

Nail in Top of F.P. R. Sta. 3+50

Nail in Tree L. Sta. 3+40

20.3 18.9 17.2 14.2 09.9 09.5

3.9 5.3 7.0 10.0 14.3 14.7  
0 7 12 23 45 55

20.0 17.7 16.3 11.8 10.3 09.9

1.2 6.5 7.9 12.4 13.9 14.3  
0 9 16 36 46 53

# Project 88-C Prelim. X- Sect. for Clay Pit

| Sta. | B.S. | H.I.   | F.S. | Elev. |
|------|------|--------|------|-------|
| T.P. | 7.39 | 105.04 | 2.50 | 97.65 |
| 3+50 |      |        |      |       |
| 3+25 |      |        |      |       |
| 3+00 |      |        |      |       |
| 2+75 |      |        |      |       |
| 2+50 |      |        |      |       |
| 2+25 |      |        |      |       |
| 2+00 |      |        |      |       |
| 1+75 |      |        |      |       |
| 1+50 |      |        |      |       |
| 1+40 |      |        |      |       |
| 1+35 |      |        |      |       |
| 1+00 |      |        |      |       |

100.15



# Project 88-C Prelim. X-Sect. for Clay Pit

6

Nail in F.P.R.

99.0

$\frac{1.2}{6.7}$

96A

$\frac{3.8}{7.0}$

96.9

$\frac{3.3}{7.1}$

95.2

$\frac{5.0}{7.4}$

95.9

$\frac{4.3}{7.1}$

95.8

$\frac{4.1}{6.4}$

95.8

$\frac{4.4}{6.2}$

95.6

$\frac{4.6}{6.2}$

95.3

$\frac{4.9}{6.1}$

95.5

$\frac{4.7}{16.9}$

95.5

$\frac{4.7}{16.8}$

94.6

$\frac{5.6}{16.9}$

# Project 88-C Prelim. X-Section for Clay Pit

| Sta. | B.S.  | H.I.   | F.S. | Elev.  |
|------|-------|--------|------|--------|
| 1+15 |       |        |      |        |
| 0+55 |       |        |      |        |
| T.P. | 7.00  | 119.00 | 0.72 | 112.00 |
| 0+45 |       |        |      |        |
| 0+31 |       |        |      |        |
| 0+10 |       |        |      |        |
| B.M. | 12.00 | 112.72 | 4.32 | 100.72 |
| 4+25 |       |        |      |        |
| 4+00 |       |        |      |        |
| 3+75 |       |        |      |        |

# Project 88-C Prelim. X- Sect. for Clay Pit

7

17.0 16.6 15.0 13.5 09.5

2.0 2.4 4.0 5.5 9.5  
85 95 115 127 136

13.9 13.2 12.3 07.2 05.0 91.2 91.3

5.1 5.8 6.7 12.0 14.0 19.8 21.7  
60 95 110 135 139 150 166

Nail in base of tree

11.6 11.6 10.5 09.8 06.4 94.3

1.1 1.1 2.2 2.9 6.3 18.4  
60 68 100 120 134 163

08.4 08.7 08.5 06.8 99.3

4.3 4.0 4.2 5.9 13.4  
65 77 105 130 148

04.6 04.0

8.1 8.7  
76 99

Nail in Tree L. Sta. 4+25

00.1

4.9  
68

99.5

5.5  
66

99.7

5.3  
65

Project 88-C Prelim. X-Sect. for Clay Pit

1+25

119.00

|            |            |            |            |            |             |
|------------|------------|------------|------------|------------|-------------|
| 17.2       | 16.0       | 16.0       | 16.0       | 14.8       | 08.5        |
| <u>1.8</u> | <u>3.0</u> | <u>3.0</u> | <u>3.0</u> | <u>4.2</u> | <u>10.5</u> |
| 9.2        | 10.3       | 11.0       | 12.5       | 14.0       | 15.0        |

Proj. 88-C Prelim. X-Sect. for Clay Pit.

Project 88-C Prelim. X-Sect. for Borrow Pit #2 1

Note:

This pit from Sta. 10-A To Sta. 13-A  
is an extension of the regular side  
borrow and was used for sub-grade only

Project 88-C

To West Point  
←



Borrow Pit #2

13-A

10-A



Project 88-C Prelim. X-Section, for Borrow Pit #2

Sta. B.S. H.I. F.S. Elev.

B.M.

13-A

12-A

11-A

10-A

B.M.

4.81

2528.97

2524.16

October 30, 1922

Weather: Partly cloudy, Cool

A. L. Ogle, A

F. P. Clements, Rod

G. S. Callahan, Chain

Nail in F.P. L. Sta. 13+06

|            |           |           |
|------------|-----------|-----------|
| 262        | 253       | 257       |
| <u>218</u> | <u>37</u> | <u>33</u> |
| 39         | 66        | 83        |

|           |           |           |
|-----------|-----------|-----------|
| 234       | 240       | 233       |
| <u>56</u> | <u>50</u> | <u>57</u> |
| 38        | 51        | 83        |

|           |           |           |
|-----------|-----------|-----------|
| 236       | 233       | 229       |
| <u>54</u> | <u>57</u> | <u>61</u> |
| 49        | 65        | 83        |

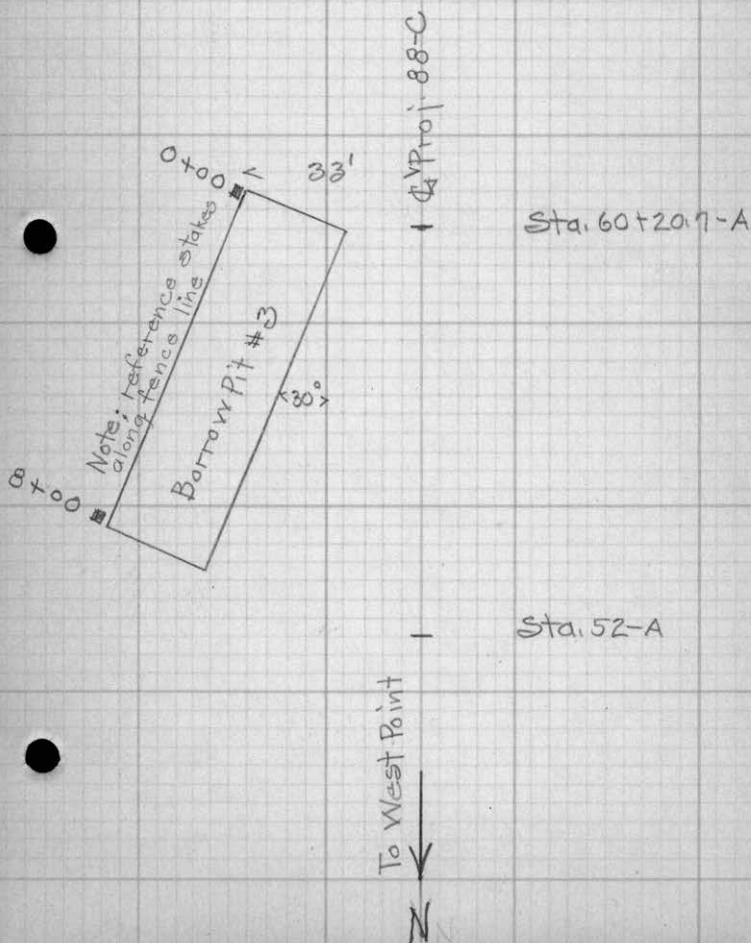
|           |           |           |
|-----------|-----------|-----------|
| 225       | 224       | 222       |
| <u>65</u> | <u>66</u> | <u>68</u> |
| 39        | 60        | 83        |

Nail in F.P. R. Sta. 10+95

Project 88-C Prelim. X-Sect. Borrow Pit #2

Note:

Excavation from Borrow Pit # 3 was not used as surfacing, but as fill from Sta. 52-A To Sta. 60+20.7-A  
No overhaul from this pit.



# Project 88-C Prelim. X- Sect. Borrow Pit #3

Sta. B.S. H.I. F.S. Elev.

4

3

T.P. 622 2560.60 3.17 2554.38

2

1

0+00

B.M. 649 2557.55 2551.06

June 16, 1983

Weather: Bright, Hot.

A.L. Ogle, T

L.M. Wedner, Rod

J.C. Broady, Chain

# Project 88-C Prelim. X-Sect. Borrow Pit # 3

|      |      |      |      |      |      |      |      |      |      |      |      |   |
|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 56.7 | 54.7 | 53.7 | 53.9 | 54.6 | 56.3 | 56.7 | 56.3 | 55.5 | 58.0 | 58.2 | 58.5 | 2 |
| 3.9  | 5.9  | 6.9  | 6.7  | 6.0  | 4.3  | 3.9  | 4.3  | 5.1  | 2.6  | 2.4  | 2.1  |   |
| 55   | 52   | 50   | 47   | 43   | 37   | 23   | 12   | 7    | 5    | 2    | 0    |   |

|      |      |      |      |      |      |      |      |      |      |  |  |  |
|------|------|------|------|------|------|------|------|------|------|--|--|--|
| 51.8 | 52.6 | 54.0 | 55.2 | 55.1 | 54.7 | 54.0 | 56.3 | 56.3 | 56.5 |  |  |  |
| 8.8  | 8.0  | 6.6  | 5.4  | 5.5  | 5.9  | 6.6  | 4.3  | 4.3  | 4.1  |  |  |  |
| 48   | 45   | 40   | 35   | 19   | 10   | 5    | 3    | 1    | 0    |  |  |  |

## Nail Top Hub Sta. 2400

|      |      |      |      |      |      |      |      |      |      |  |  |  |
|------|------|------|------|------|------|------|------|------|------|--|--|--|
| 50.8 | 50.7 | 52.3 | 53.0 | 53.6 | 53.3 | 52.2 | 54.1 | 54.2 | 54.4 |  |  |  |
| 6.8  | 6.9  | 5.3  | 4.6  | 4.0  | 4.3  | 5.4  | 3.5  | 3.4  | 3.2  |  |  |  |
| 44   | 42   | 37   | 35   | 25   | 12   | 4    | 3    | 1    | 0    |  |  |  |

|      |      |      |      |      |      |      |      |      |      |  |  |  |
|------|------|------|------|------|------|------|------|------|------|--|--|--|
| 51.5 | 51.8 | 52.5 | 52.8 | 52.8 | 52.2 | 51.7 | 53.3 | 53.7 | 53.8 |  |  |  |
| 6.1  | 5.8  | 5.1  | 4.8  | 4.8  | 5.4  | 5.9  | 4.3  | 3.9  | 3.8  |  |  |  |
| 41   | 38   | 37   | 35   | 20   | 7    | 4    | 3    | 1    | 0    |  |  |  |

|      |      |      |      |      |      |      |  |  |  |  |  |  |
|------|------|------|------|------|------|------|--|--|--|--|--|--|
| 50.0 | 51.3 | 52.2 | 53.5 | 52.8 | 55.4 | 53.9 |  |  |  |  |  |  |
| 7.6  | 6.3  | 5.4  | 4.1  | 4.8  | 2.2  | 1.7  |  |  |  |  |  |  |
| 27   | 24   | 19   | 10   | 6    | 3    | 0    |  |  |  |  |  |  |

## Nail Top Hub L. on fence line Sta. 58+15

Project 88-C Prelim. X-Sept. Borrow Pit # 3

Sta.

B.S.

Hali

F.S.

Elev.

B. M.

3.55

2559.30

8

7

B. M.

5.70

2562.85

3.45

2557.15

6

5

2560.60



Nail in Cor. F.P.R. Sta. 7+75

|           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 572       | 575       | 568       | 577       | 578       | 578       | 574       | 580       | 587       |
| <u>57</u> | <u>54</u> | <u>61</u> | <u>52</u> | <u>51</u> | <u>51</u> | <u>55</u> | <u>19</u> | <u>42</u> |
| 51        | 46        | 42        | 39        | 29        | 14        | 11        | 5         | 0         |

|           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 555       | 574       | 578       | 589       | 591       | 591       | 578       | 575       | 575       | 600       |
| <u>71</u> | <u>55</u> | <u>51</u> | <u>40</u> | <u>38</u> | <u>38</u> | <u>51</u> | <u>34</u> | <u>34</u> | <u>21</u> |
| 45        | 42        | 39        | 35        | 25        | 13        | 7         | 6         | 4         | 0         |

Nail Top Hub Sta. 6+00

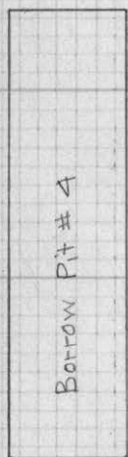
|           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 548       | 548       | 560       | 568       | 572       | 563       | 554       | 563       | 566       | 571       |
| <u>58</u> | <u>58</u> | <u>46</u> | <u>38</u> | <u>34</u> | <u>43</u> | <u>52</u> | <u>43</u> | <u>40</u> | <u>35</u> |
| 49        | 45        | 39        | 36        | 25        | 13        | 7         | 5         | 3         | 0         |

|           |           |           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 540       | 541       | 542       | 555       | 558       | 570       | 572       | 567       | 556       | 567       | 567       | 568       |
| <u>66</u> | <u>65</u> | <u>64</u> | <u>51</u> | <u>48</u> | <u>36</u> | <u>34</u> | <u>39</u> | <u>50</u> | <u>39</u> | <u>39</u> | <u>38</u> |
| 53        | 50        | 45        | 42        | 38        | 35        | 24        | 10        | 5         | 4         | 1         | 0         |

Project 88-C Prelim. X-Sect. Borrow Pit # 3

Note:

A part of this pit was used for Subgrade only. See semi-final X-Sect. This pit is an extension - lies parallel and adjoining to the project.



Borrow Pit #4

Proj. 88-C

To West Point



Sta. 52

Sta. 41

Project 88-C Prelim. X- Sect. Borrow Pit # 4

Sta. B.S. H.I. F.S. Elev.

43

T.P. 4.38 2538.44 9.43 2534.06

+50

42

+50

41

B.M. 1.04 2543.49 2542.45

October 17, 1922

Weather:

A.L. Ogle, T

E.P. Clements, Rod

G.S. Callahan, Chain

Project 88-C Prelim. X-Sect. for Borrow Pit #4

2

342 339

42 45  
63 47

Nail in F.P. L. Sta. 42+95

343 349

82 86  
63 48

380 371 378

55 64 57  
63 50 34

412 402

23 33  
63 48

427 425 423

08 10 12  
63 47 36

Nail in Corner X-Fence Post L. Sta. 40+75

## Project 88-C Prelim. X-Sept. for Borrow Pit #4.

| Sta.  | B.S. | I.I. | F.S. | Elev. |
|-------|------|------|------|-------|
| 45+65 |      |      |      |       |

45+65

+55

45

44

+60

+50

43+45

2538.44

# Project 88-C Prelim X-Sect. for Borrow Pit #4

3

350 347 348 354

$\frac{3.4}{63}$   $\frac{3.7}{51}$   $\frac{3.6}{39}$   $\frac{3.0}{33}$

348 344 346 352

$\frac{3.6}{63}$   $\frac{4.0}{49}$   $\frac{3.8}{39}$   $\frac{3.2}{33}$

33.8 33.5 33.5

$\frac{4.6}{63}$   $\frac{4.9}{53}$   $\frac{4.9}{40}$

33.1 32.7

$\frac{5.3}{63}$   $\frac{5.7}{49}$

33.0 33.0

$\frac{5.1}{63}$   $\frac{5.4}{45}$

33.3 33.1

$\frac{5.1}{63}$   $\frac{5.3}{45}$

33.4 33.3

$\frac{5.0}{63}$   $\frac{5.1}{50}$



Project 88-C Prelim. X-Section for Borrow Pit #4

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

49

48

47

46+25

T.P.

1.43

2536.57

3.30

2535.14

46

45+90

2538.44

# Project 88-C Prelim X-Sect. for Borrow Pit #4

4

31.3 31.2 31.3

$\frac{5.3}{6.3}$   $\frac{5.4}{5.3}$   $\frac{5.3}{3.9}$

32.0 32.0 31.8

$\frac{1.6}{6.3}$   $\frac{1.6}{5.2}$   $\frac{1.8}{4.0}$

33.3 33.0 33.0

$\frac{3.3}{6.3}$   $\frac{3.6}{5.3}$   $\frac{3.6}{4.0}$

34.7 34.4 34.7

$\frac{1.9}{6.3}$   $\frac{2.2}{5.0}$   $\frac{1.9}{3.3}$

Nail in F.P. L. Sta. 45+98

34.9 34.7 34.5

$\frac{3.5}{6.3}$   $\frac{3.7}{5.3}$   $\frac{3.9}{4.0}$

35.0 34.9 34.7

$\frac{3.4}{6.3}$   $\frac{3.4}{4.8}$   $\frac{3.7}{3.9}$

## Project 88-C Prelim. X-Section for Borrow Pit #4

| Sta. | B.S. | H.I. | F.S. | Elev.   |
|------|------|------|------|---------|
| B.M. |      |      | 2.80 | 2533.04 |

54

53

52

51

T.P.

4.20

2535.84

4.93

2531.64

50

2536.57

Project 88-C Prelim. X-Sect. for Borrow Pit #4

5

Spike in F.P. L. Sta. 54+30

31.4 31.3 31.7

$\frac{44}{63}$   $\frac{45}{53}$   $\frac{41}{39}$

31.1 31.1 31.0

$\frac{47}{63}$   $\frac{47}{51}$   $\frac{46}{39}$

31.3 31.3 31.5

$\frac{45}{63}$   $\frac{45}{51}$   $\frac{43}{40}$

31.3 31.2 31.3

$\frac{45}{63}$   $\frac{46}{54}$   $\frac{45}{39}$

Nail in F.P. L. Sta. 50+15

31.1 30.9 31.1

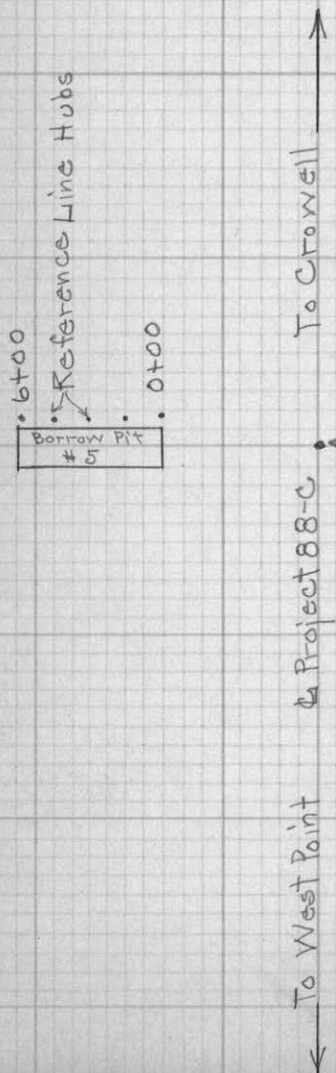
$\frac{55}{63}$   $\frac{57}{53}$   $\frac{55}{39}$

Project 88-C Prelim. X- Sect. for Borrow Pit #4

Note:

This borrow pit is East of School house at Sta. 80+60

Not used as surfacing



Note:

930 Feet from  
Sta. 0+00 of  
Borrow Pit To Sta.  
80+60 of Project  
88-C

# Project 88-C Prelim. X-Sect. Borrow Pit # 5

3

2+35

2

T.P.

9.22

115.50

1.05

106.28

1+00

0+00

B.M.

7.33

107.33

100.00

May 17, 1923

Weather: Partly cloudy, Cool, Windy

A.L. Ogle, Jr

E.P. Clements, Rod



# Project 88-C Prelim. X-Section Barrow Pit # 5

11.8 10.1 09.1 09.5 10.5 10.5 10.1 08.7 08.4 09.3 10.8 10.8

3.7 5.4 6.4 6.0 5.0 5.0 5.4 6.8 7.1 6.2 4.7 4.7  
56.5 56 52 43 38 30 21 12 6 2.5 2 0

13.6 11.6 10.8 10.8 11.5 11.5 11.3 10.2 09.7 10.8 12.5 12.5

1.9 3.9 4.7 4.7 4.0 4.0 4.2 5.3 5.8 4.7 3.0 3.0  
56.5 56 52 46 40 31 22 14 7 3.5 2.5 0

12.2 10.5 09.3 09.2 10.4 10.5 10.3 09.7 09.3 09.1 10.1 11.7 12.0

3.3 5.0 6.2 6.3 5.1 5.0 5.2 5.8 6.2 6.4 5.4 3.8 3.5  
57 56 55 47 39 31 22 17.5 13 8 4 3.5 0

Nail in T.P. R. Sta. 1+10

05.5 03.7 02.4 03.2 04.3 04.3 04.1 02.9 02.1 02.7 03.3 05.1 05.5

1.8 3.6 4.9 4.1 3.0 3.0 3.2 4.4 5.2 4.6 4.0 2.2 1.8  
55 54 39.5 45 37.5 29 18.5 13 10.5 6.5 4 3 0

97.5 96.2 95.4 95.7 96.3 97.7 97.9 98.0 96.6 96.4 97.3 98.1

9.8 11.1 11.9 11.6 11.0 9.6 9.4 9.3 10.7 10.9 10.0 9.2  
54.5 53.5 51 47 44 34 26 16 8.5 3 2 0

Spike in F.P. R. Sta. 0+25

Project 88-C Prelim, X-Sect. Borrow Pit # 5

Sta.

B.S.

H.I.

F.S.

Elev.

B.M.

11.08

103.10

6

5+50

5

TIP.

3.53

114.18

4.85

110.65

4

115.50

Nail in F.P. R. Sta. 6+00

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 99.2 | 00.6 | 02.7 | 02.8 | 02.9 | 02.2 | 01.9 | 02.3 | 02.5 | 04.6 |
| 15.0 | 13.6 | 11.5 | 11.4 | 11.3 | 12.0 | 12.3 | 11.9 | 10.7 | 9.6  |
| 54   | 45   | 37   | 30   | 19   | 13   | 9    | 5    | 4    | 0    |

|      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 07.3 | 04.9 | 04.4 | 05.3 | 05.5 | 07.4 | 07.0 | 06.8 | 04.2 | 05.3 | 04.9 | 10.7 | 10.4 |
| 6.9  | 9.2  | 9.8  | 8.9  | 8.7  | 6.8  | 7.2  | 7.4  | 8.0  | 8.9  | 9.3  | 4.0  | 3.8  |
| 58   | 57.5 | 53   | 51   | 48   | 37   | 30   | 15   | 10.5 | 8.5  | 6.5  | 1    | 0    |

|      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.3 | 09.2 | 07.1 | 08.5 | 09.1 | 09.7 | 09.4 | 09.0 | 08.1 | 07.5 | 08.2 | 11.4 | 11.4 |
| 1.9  | 5.0  | 7.1  | 5.7  | 5.1  | 4.5  | 4.8  | 5.2  | 6.1  | 6.7  | 6.0  | 2.8  | 2.8  |
| 58   | 57   | 53   | 50   | 41   | 37   | 30   | 21   | 10   | 8    | 4.5  | 2.5  | 0    |

Nail in F.P. R. Sta. 3+95

|      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11.5 | 09.6 | 08.8 | 08.5 | 08.7 | 09.4 | 09.4 | 09.2 | 08.2 | 07.8 | 08.7 | 09.9 | 10.0 |
| 4.0  | 5.9  | 6.7  | 7.0  | 6.8  | 6.1  | 6.1  | 6.3  | 7.3  | 7.7  | 5.8  | 5.6  | 5.5  |
| 57.5 | 57   | 52   | 47   | 44   | 37   | 29   | 20.5 | 12   | 6    | 2.5  | 2    | 0    |

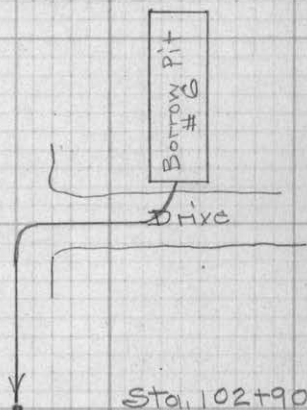
Project 88-C Prelim. X-Sect. Borrow Pit # 5

Project 88-C Prelim. X-Sect. Borrow Pit  
for Clay # 6

1

Note:

This pit at South end of Proj. 88-C.



Note:

1390 Feet from  
Sta. 0+00 of Pit to  
Sta. 102+90 of Proj.

↓  
N

↓  
To West Point & of Proj.

Project 88-C Prelim, X-Sect, Borrow Pit #6

| Sta. | B.S. | (Clay) H.I. | F.S. | Elev. |
|------|------|-------------|------|-------|
|------|------|-------------|------|-------|

5

4

3

2

1+00

0+00

|      |      |        |  |        |
|------|------|--------|--|--------|
| B.M. | 4.00 | 104.00 |  | 100.00 |
|------|------|--------|--|--------|

May 16, 1923

Weather: Partly cloudy

A.W. Ogilvie, Jr.

E.P. Clements, Rod

# Project 88-C Prelim. X-Section, Borrow Pit #6

99.0 98.9 99.0 99.0 99.9

$\frac{5.0}{70}$   $\frac{5.1}{45}$   $\frac{5.0}{30}$   $\frac{5.0}{15}$   $\frac{5.1}{0}$

99.3 99.3 99.2 99.2 99.0

$\frac{4.7}{70}$   $\frac{4.7}{45}$   $\frac{4.8}{30}$   $\frac{4.8}{15}$   $\frac{5.0}{0}$

99.6 99.4 99.4 99.4 99.3

$\frac{4.4}{70}$   $\frac{4.6}{45}$   $\frac{4.6}{30}$   $\frac{4.6}{15}$   $\frac{4.7}{0}$

99.3 99.3 99.3 99.2 99.1

$\frac{4.7}{70}$   $\frac{4.7}{45}$   $\frac{4.7}{30}$   $\frac{4.8}{15}$   $\frac{4.9}{0}$

99.2 99.3 99.5 99.4 99.2 99.2

$\frac{4.8}{70}$   $\frac{4.7}{52}$   $\frac{4.5}{41}$   $\frac{4.6}{30}$   $\frac{4.8}{15}$   $\frac{4.8}{0}$

99.1 99.2 99.2 99.2 99.1 99.2

$\frac{4.9}{60}$   $\frac{4.8}{50}$   $\frac{4.8}{30}$   $\frac{4.8}{20}$   $\frac{4.9}{10}$   $\frac{4.8}{0}$

Spike in F.P. R. Sta. 0-50 (Gate Post)



Project 88-C Prelim. X-Section Borrow Pit # 6  
Sta. B.S. (clay) H.L. F.S. Elev.

B.M.

5.27

98.73

6

104.00

Project 88-C Prelim. X-Sect. Borrow Pit # 6

5

Spike in F.P.R. Sta. 5+75

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 98.6       | 98.3       | 98.3       | 98.2       | 98.3       | 97.6       | 98.0       |
| <u>5.4</u> | <u>5.7</u> | <u>5.7</u> | <u>5.8</u> | <u>5.7</u> | <u>6.4</u> | <u>6.0</u> |
| 70         | 45         | 30         | 16         | 7          | 2          | 0          |

Project 88-C Prelim. X-Sect. Borrow Pit # 6

Slope  
Stakes

Project 88-C Slope Stakes

7

# Project 88-C Slope Stakes

| Sta.                  | B.S. | H.I.    | F.S.  | Elev.   |
|-----------------------|------|---------|-------|---------|
| B.M.                  |      |         | 12.21 | 2523.55 |
| 6-A                   |      |         |       |         |
| 5-A                   |      |         |       |         |
| 4-A                   |      |         |       |         |
| T.P.                  |      |         |       |         |
| 3-A                   |      |         |       |         |
| T.P.                  | 0.54 | 2545.54 | 10.64 | 2545.00 |
| 2-A                   |      |         |       |         |
| 1-A                   |      |         |       |         |
| 0+00-A                |      |         |       |         |
| -1+00-A               |      |         |       |         |
| B.M.                  | 4.27 | 2555.64 |       | 2551.37 |
| August 2, 1922        |      |         |       |         |
| Weather: Cloudy, Warm |      |         |       |         |
| A.W. Ogle, *          |      |         |       |         |
| E.P. Clements, Rod    |      |         |       |         |
| F.E. Corrick, Chain   |      |         |       |         |

# Project 88-C Slope Stakes

Grade Center G.R. W. C. R.

2  
Hub

Nail in F.P.R. Sta. 6+05

27.5 83  $\frac{+0.6}{20.9}$  -11.7  $\frac{-1.4}{25.2}$

-4.3

31.2 41.6  $\frac{-3.0}{21.0}$  -3.1  $\frac{-5.5}{28.5}$

35.2 0.6  $\frac{-3.0}{21.0}$  -3.7  $\frac{-5.4}{28.2}$

-6.2

Nail in F.P.R. Sta. 3+15

39.1 6.4  $\frac{-2.0}{18.0}$  -1.4  $\frac{-3.3}{21.9}$

-3.6

Nail in F.P.R. Sta. 1+95

43.0 12.6  $\frac{+8.9}{32.9}$  +1.1  $\frac{+1.8}{22.2}$

+1.3

47.0 8.6  $\frac{+9.4}{33.6}$  +3.6  $\frac{+1.2}{26.6}$

+4.7

49.4 6.2  $\frac{+3.7}{25.1}$  +1.2  $\frac{+2.6}{23.4}$

49.6 6.0  $\frac{+2.4}{23.1}$  +0.0  $\frac{+1.3}{21.5}$

Spike in T.P. Snub Post R. Sta. 0+30



# Project 88-C Slope Stakes

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 15-A |      |         |      |         |
| 14-A |      |         |      |         |
| T.P. | 4.22 | 2532.63 | 3.90 | 2528.41 |
| 13-A |      |         |      |         |
| 12-A |      |         |      |         |
| 11-A |      |         |      |         |
| T.P. | 8.18 | 2532.31 | 5.05 | 2524.13 |
| 10-A |      |         |      |         |
| 9-A  |      |         |      |         |
| 8-A  |      |         |      |         |
| 7-A  |      |         |      |         |
| B.M. | 4.37 | 2529.18 |      | 2524.81 |

September 27, 1922

Weather: Bright, Warm, Windy

A.L. Ogle,  $\pi$

E.P. Clements, Rod

G.S. Callahan, Chain

Project 88-C Slope Stakes  
 Grade Center G.R. L. C. R. 3  
Hub

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 28.8 | 3.8 | -1.4                |      |                     | -3.1 |
| 30.2 | 2.4 | $\frac{+0.1}{19.7}$ | -2.9 | $\frac{-2.4}{19.2}$ | -3.6 |

Nail in F.P. L. Sta. 13+06

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 30.0 | 2.3 | $\frac{2.0}{18.0}$  | -3.0 | $\frac{-2.6}{19.6}$ | -3.3 |
| 28.5 | 3.8 | $\frac{+1.5}{16.5}$ | -2.3 | $\frac{-2.4}{19.2}$ | -3.1 |
| 26.9 | 5.4 | $\frac{-0.6}{13.8}$ | -1.2 | $\frac{-2.5}{19.5}$ | -2.9 |

Nail in F.P. R. Sta. 10+95

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 25.3 | 3.9 | $\frac{+0.6}{20.4}$ | -0.2 | $\frac{-1.8}{17.4}$ | -2.4 |
| 25.3 | 3.9 | $\frac{-0.4}{13.2}$ | -1.1 | $\frac{-2.6}{20.4}$ | -2.7 |
| 25.3 | 3.9 | $\frac{-1.6}{16.8}$ | -1.3 | $\frac{-4.3}{24.9}$ | -2.9 |
| 25.5 | 3.7 | $\frac{+1.0}{21.0}$ | -1.0 | $\frac{-4.1}{24.3}$ | -3.1 |

Nail in T.P. # 3128 L. Sta. 8+10

# Project 88-C Slope Stakes

| Sta.                        | B.S.                | H.I.    | F.S. | Elev.   |
|-----------------------------|---------------------|---------|------|---------|
| 23-A                        |                     |         |      |         |
| 22-A                        |                     |         |      |         |
| 21-A                        |                     |         |      |         |
| 20-A                        |                     |         |      |         |
| 19-A                        |                     |         |      |         |
| TIP.                        | 3.72                | 2529.38 | 5.77 | 2525.66 |
| 18-A                        |                     |         |      |         |
| 17-A                        |                     |         |      |         |
| 16-A                        |                     |         |      |         |
| 15-A                        |                     |         |      |         |
| B.M.                        | 4.54                | 2531.43 |      | 2526.89 |
| August 3, 1922              |                     |         |      |         |
| Weather: Partly cloudy, Hot |                     |         |      |         |
| A.L. Ogile, R               |                     |         |      |         |
| E.P. Clements, Rod          |                     |         |      |         |
| B.M.                        | F.E. Corrick, Chain |         | 5.79 | 2526.84 |

# Project 88-C Slope Stakes

| Grade | Center<br>G.R. |                     |      |                     | Hub  |
|-------|----------------|---------------------|------|---------------------|------|
| 26.0  | 3.4            | $\frac{+1.2}{21.3}$ | -1.0 | $\frac{-2.1}{18.3}$ | -2.6 |
| 26.0  | 3.4            | $\frac{+0.3}{20.0}$ | -1.5 | $\frac{-3.7}{20.1}$ | -3.4 |
| 26.0  | 3.4            | $\frac{+2.3}{18.9}$ | -1.6 | $\frac{-3.0}{21.0}$ | -2.2 |
| 26.0  | 3.4            | $\frac{-2.0}{18.0}$ | -1.6 | $\frac{-2.9}{20.9}$ | -2.6 |
| 26.0  | 3.4            | $\frac{+0.4}{20.1}$ | -1.2 | $\frac{-2.2}{18.6}$ | -2.0 |

Nail in T.P. #3121 L. Sta. 18+70

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 26.0 | 5.4 | $\frac{+1.2}{21.3}$ | -0.8 | $\frac{-1.8}{17.4}$ | -1.5 |
| 26.0 | 5.4 | $\frac{+1.7}{22.1}$ | -0.3 | $\frac{+0.6}{20.4}$ | -1.3 |
| 37.2 | 4.2 | $\frac{+1.0}{21.0}$ | -0.4 | $\frac{-1.4}{16.2}$ | -1.7 |

Nail in T.P. #3123 L. Sta. 16+05

## Project 88-C Slope Stakes

| Sta. | B.S.                                                                                                     | H.I.    | F.S. | Elev.   |
|------|----------------------------------------------------------------------------------------------------------|---------|------|---------|
| 30-A |                                                                                                          |         |      |         |
| T.P. | 10.89                                                                                                    | 2555.14 | 2.60 | 2544.25 |
| 29-A |                                                                                                          |         |      |         |
| T.P. | 10.45                                                                                                    | 2546.85 | 4.68 | 2536.40 |
| 28-A | August 8, 1922<br>Weather: Bright, Warm<br>A.L. Ogle, $\pi$<br>E.P. Clements, Rod<br>F.E. Corrick, Chain |         |      |         |
| 27-A |                                                                                                          |         |      |         |
| T.P. | 10.91                                                                                                    | 2541.08 | 3.11 | 2530.17 |
| 26-A |                                                                                                          |         |      |         |
| 25-A |                                                                                                          |         |      |         |
| 24-A |                                                                                                          |         |      |         |
| T.P. | 7.88                                                                                                     | 2533.28 | 3.98 | 2525.40 |

2529.38

49.2 5.9  $\frac{+1.7}{22.1}$  +1.4  $\frac{+5.1}{27.2}$

Nail in T.P. # 3112 L. Sta. 29+40

44.2 2.7  $\frac{-4.5}{18.8}$  -3.5  $\frac{-2.7}{16.1}$

Spike T.P. # 3113 L. Sta. 28+10

39.2 1.9  $\frac{-4.1}{18.2}$  -1.5  $\frac{-6.0}{21.0}$

34.2 6.9  $\frac{-2.5}{15.8}$  -2.8  $\frac{-2.9}{16.4}$

Fill sections change here to 1 1/2 - 1 slope

Nail in T.P. # 3115 L. Sta. 26

29.7 3.6  $\frac{+1.4}{21.6}$  -0.7  $\frac{+0.6}{20.4}$  -0.2

28.0 5.3  $\frac{+1.4}{21.6}$  -0.4  $\frac{+0.0}{19.5}$  -2.5

27.0 6.3  $\frac{+1.5}{21.8}$  -0.6  $\frac{+0.0}{19.5}$  -3.1

Nail in T.P. # 3118 L. Sta. 22+60

## Project 88-C Slope Stakes

| Sta. | B.S.  | H.I.    | F.S.  | Elev.   |
|------|-------|---------|-------|---------|
| 37-A |       |         |       |         |
| T.P. | 0.49  | 2530.47 | 11.35 | 2529.98 |
| 36-A |       |         |       |         |
| T.P. | 0.68  | 2541.33 | 11.05 | 2540.65 |
| T.P. | 0.61  | 2551.70 | 11.71 | 2551.09 |
| 35-A |       |         |       |         |
| 34-A |       |         |       |         |
| 33-A |       |         |       |         |
| T.P. | 5.29  | 2562.80 | 7.48  | 2557.51 |
| 32-A |       |         |       |         |
| 31-A |       |         |       |         |
| B.M. | 10.46 | 2564.99 |       | 2554.53 |

August 9, 1922

Weather: Bright, Hot

A.L. Ogilvie, A

E.R. Clements, Rod

F.E. Corrick, Chain



$$31.7 - 0.7 - 12.5 - \frac{12.1}{36.2} - 11.4 - \frac{10.8}{33.6}$$

Nail Top Hub L. Sta. 36+30

$$36.8 4.5 - 1.6 - \frac{1.9}{15.8} - 4.0 - \frac{4.7}{21.4}$$

Fill Changes 2-1 slope

Nail Top Hub L. Sta. 35+75

Nail Top Hub L. Sta. 35

$$42.4 20.4 + 8.7 + \frac{10.5}{35.3} + 8.4 + \frac{8.6}{32.4}$$

$$48.0 14.8 + 9.6 + \frac{11.6}{36.9} + 9.9 + \frac{9.1}{33.2}$$

$$53.2 9.6 + 5.8 + \frac{8.0}{31.5} + 6.5 + \frac{6.9}{29.9}$$

Nail Top Hub L. Sta. 32

$$55.2 9.8 + 3.0 + \frac{5.2}{27.3} + 4.8 + \frac{7.3}{30.5}$$

$$53.8 11.2 + 1.0 + \frac{3.4}{24.6} + 3.1 + \frac{16.5}{29.3}$$

Nail in T.P. # 3111 L. Sta. 30+80

# Project 88-C Slope Stakes

| Sta. | B.S.  | H.I.    | F.S.  | Elev.   |
|------|-------|---------|-------|---------|
| B.M. | 3.25  | 2526.30 |       | 2523.05 |
| 46-A |       |         |       |         |
|      |       |         | 1.29  | 2523.21 |
| T.P. | 11.45 | 2534.50 | 0.21  | 2523.05 |
| 44-A |       |         |       |         |
| 43-A |       |         |       |         |
| 42-A |       |         |       |         |
| T.P. | 4.10  | 2523.26 | 4.87  | 2519.16 |
| 41-A |       |         |       |         |
| 40-A |       |         |       |         |
| 39-A |       |         |       |         |
| 38-A |       |         |       |         |
| T.P. | 4.47  | 2524.03 | 10.91 |         |

August 10, 1922

Weather: Bright, Hot

A.L. Ogile,  $\pi$

E.P. Clements, Rod

F.E. Corrick, Chain

2530.47

Project 88-C Slope Stakes  
 Center  
 Grade E.R. L. C. R.  
 Nail Top Hub L. Sta. 44+80

7

28.8 5.7

+0.8  $\frac{-1.5}{15.0}$

Nail Top Hub L. Sta. 45+50

Nail Top Hub L. Sta. 44+80

22.7 0.6 -5.4  $\frac{-5.3}{22.6}$  -6.3  $\frac{-6.2}{24.4}$

21.6 1.7 -3.7  $\frac{-3.5}{19.0}$  -4.0  $\frac{-3.9}{19.8}$

21.8 1.5 -3.3  $\frac{-3.1}{18.2}$  -3.7  $\frac{-3.5}{19.0}$

Nail Top Hub L. Sta. 40+80

22.5 1.5 -3.7  $\frac{-3.5}{19.0}$  -4.0  $\frac{-4.3}{20.6}$

23.1 0.9 -3.9  $\frac{-3.6}{19.2}$  -3.7  $\frac{-3.2}{18.4}$

23.8 +0.2 -4.9  $\frac{-4.3}{20.6}$  -4.2  $\frac{-4.0}{20.0}$

26.3 -2.3 -7.8  $\frac{-7.3}{26.6}$  -7.0  $\frac{-7.0}{26.0}$

Nail Top Hub L. Sta. 36+90

## Project 88-C Slope Stakes

| Sta. | B.S. | H.I.    | F.S.  | Elev.   |
|------|------|---------|-------|---------|
| 49-A |      |         |       |         |
| T.P. | 4.48 | 2553.67 | 1.89  | 2549.19 |
| 48-A |      |         |       |         |
| 47-A |      |         |       |         |
| B.M. | 8.57 | 2551.08 |       | 2542.51 |
| B.M. | 1.74 | 2534.23 |       | 2532.49 |
|      |      |         | 0.18  | 2542.51 |
|      |      |         | 10.20 | 2532.49 |
| 48-A |      |         |       |         |
| 47-A |      |         |       |         |
| 46-A |      |         |       |         |
| B.M. | 9.48 | 2542.69 |       | 2533.21 |
| 45-A |      |         |       |         |

2526.30

Project 88-C Slope Stakes  
 Grade Center G.R. Hub L. C. R.

8

43.2 10.5 +2.8  $\frac{+3.8}{25.2}$  -1.2  $\frac{+0.8}{20.7}$

Nail in Tree L. Sta. 48+25

38.4 12.7 +11.1  $\frac{+12.2}{87.8}$  +3.6

33.6 17.5 +9.1

Nail in root of tree L. Sta. 45+95

Nail Top Hub A

Nail in root of tree L. Sta. 45+95

Nail Top Hub A

38.4 4.3  $\frac{+1.9}{21.6}$

33.6 9.1  $\frac{+9.9}{34.4}$  +2.7  $\frac{+0.5}{20.3}$

28.8 13.9 +9.8  $\frac{+10.3}{35.0}$

Nail Top Hub L. Sta. 44+80

25.1 1.2 -3.2  $\frac{-4.0}{20.0}$  -6.6  $\frac{+8.5}{29.0}$

# Project 88-C Slope Stakes

| Sta.                          | B.S.                 | H.I.    | F.S. | Elev.   |
|-------------------------------|----------------------|---------|------|---------|
| T.P.                          | 7.04                 | 2558.11 | 5.57 | 2551.07 |
| 58-A                          |                      |         |      |         |
| 57-A                          |                      |         |      |         |
| 56-A                          |                      |         |      |         |
| 55-A                          |                      |         |      |         |
| T.P.                          | 2.77                 | 2556.64 | 5.39 | 2553.87 |
| 54-A                          |                      |         |      |         |
| 53-A                          |                      |         |      |         |
| 52-A                          |                      |         |      |         |
| 51-A                          |                      |         |      |         |
| B.M.                          | 5.17                 | 2559.26 |      | 2554.09 |
| October 17, 1922              |                      |         |      |         |
| Weather: Partly cloudy, Cool. |                      |         |      |         |
| A.L. Ogle, A                  |                      |         |      |         |
| E.P. Clements, Rod            |                      |         |      |         |
| 50-A                          | G.S. Callahan, Chain |         |      |         |

# Project 88-C Slope Stakes

9

Grade Center Hub L. C. R.

Hub along fence line L. Sta. 58+15

$$51.3 \quad -1.3 \quad \frac{+0.4}{20.1} \quad -2.5 \quad \frac{-3.4}{18.8}$$

$$51.7 \quad 4.9 \quad -3.8 \quad \frac{-1.0}{20.0} \quad -6.5 \quad \frac{-8.2}{28.4}$$

$$52.1 \quad 4.5 \quad -1.7 \quad \frac{-2.1}{16.8} \quad -3.4 \quad \frac{-3.7}{19.4}$$

$$52.5 \quad 4.1 \quad +1.4 \quad \frac{+2.7}{23.6} \quad -0.4 \quad \frac{-1.4}{14.8}$$

Fill on 2-1 slope

Nail Top Hub L. Sta. 54

$$52.9 \quad 6.4 \quad +1.0 \quad \frac{+2.6}{23.4} \quad -0.4 \quad \frac{+0.6}{20.4}$$

$$53.3 \quad 6.0 \quad +1.8 \quad \frac{+3.2}{24.3} \quad -0.3 \quad \frac{+0.8}{20.7}$$

$$53.6 \quad 5.7 \quad +0.8 \quad \frac{+2.6}{23.4} \quad +0.2 \quad \frac{+1.8}{22.2}$$

$$52.1 \quad 7.2 \quad +2.0 \quad \frac{+3.6}{24.9} \quad +1.7 \quad \frac{+4.0}{25.5}$$

Nail Top Hub L. Sta. 51

$$48.0 \quad 5.7 \quad +3.6 \quad \frac{+5.2}{27.3} \quad +3.8 \quad \frac{+5.0}{27.0}$$



# Project 88-C Slope Stakes

| Sta.                         | B.S.                 | H.I.    | F.S. | Elev.   |
|------------------------------|----------------------|---------|------|---------|
| 42                           |                      |         |      |         |
| 41                           |                      |         |      |         |
| B.M.                         | 0.82                 | 2543.27 |      | 2542.45 |
| October 11, 1922             |                      |         |      |         |
| Weather: Bright, Windy, Cold |                      |         |      |         |
| A.L. Ogle, A                 |                      |         |      |         |
| E.P. Clements, Rod           |                      |         |      |         |
| 40                           | G.S. Callahan, Chain |         |      |         |

Equation in levels

2542.45 ↑

|      |      |         |       |           |
|------|------|---------|-------|-----------|
| T.P. | 1.04 | 2543.49 | 11.15 | 2542.52 ↓ |
|------|------|---------|-------|-----------|

39

38

37

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 0.34 | 2553.67 | 4.78 | 2553.33 |
|------|------|---------|------|---------|

36

Equation Sta. 60 + 20.7 - A = Sta. 35 + 39.8 ↑

60-A ↓

59-A

2558.11

# Project 88-C Slope Stakes

Grade Center G.R. Hub L. C. R.

Hub 10

36.8 6.5 +0.8  $\frac{+0.0}{19.5}$  -1.8  $\frac{-1.6}{16.8}$

39.1 4.2 +2.9  $\frac{+0.1}{17.1}$  -1.6  $\frac{+1.0}{21.0}$

Spike in X-fence post L. Sta. 40+75

41.5 2.0  $\frac{+0.2}{19.8}$  -1.0  $\frac{+0.2}{20.6}$

Nail in Cor. Post X-Fence L. Sta. 40+75

43.9 9.8 +2.5  $\frac{+0.6}{20.4}$  -0.4  $\frac{+1.4}{21.6}$

46.3 7.4 +3.1  $\frac{+0.5}{20.3}$  -0.7  $\frac{+2.0}{22.5}$

48.6 5.1 +2.8  $\frac{+1.2}{21.3}$  -0.2  $\frac{+1.1}{21.2}$

Nail in F.P. L. Sta. 36+50

50.0 8.1 +4.8  $\frac{+3.5}{24.8}$  +1.3  $\frac{+1.6}{21.9}$

50.5 7.6  $\frac{+5.3}{27.5}$  +3.1  $\frac{+2.9}{23.9}$  -1.0

50.9 7.2  $\frac{+2.8}{23.7}$  -0.5  $\frac{+0.4}{20.1}$  -1.0

# Project 88-C Slope Stakes

| Sta.                         | B.S. | H.I.    | F.S. | Elev.   |
|------------------------------|------|---------|------|---------|
| 50                           |      |         |      |         |
| 49                           |      |         |      |         |
| 48                           |      |         |      |         |
| 47                           |      |         |      |         |
| T.P.                         | 1.24 | 2536.38 | 3.02 | 2535.14 |
| 46                           |      |         |      |         |
| 45                           |      |         |      |         |
| 44                           |      |         |      |         |
| B.M.                         | 4.12 | 2538.16 |      | 2534.04 |
| September 27, 1922           |      |         |      |         |
| Weather: Bright, Warm, Windy |      |         |      |         |
| A.W. Oglesby                 |      |         |      |         |
| E.P. Clements, Rod           |      |         |      |         |
| G.S. Callahan, Chain         |      |         |      |         |
| T.P.                         |      |         | 9.19 | 2534.08 |
| 43                           |      |         |      |         |
| 2543.27                      |      |         |      |         |

# Project 88-C Slope Stakes

| Grade | Center<br>G.R. | Hub  | L. C.               | R.   | Hub                 |
|-------|----------------|------|---------------------|------|---------------------|
| 33.4  | 3.0            | -2.1 | $\frac{-5.1}{28.2}$ | -3.2 | $\frac{-2.9}{20.7}$ |

|      |     |      |                     |      |                     |
|------|-----|------|---------------------|------|---------------------|
| 33.7 | 2.7 | -2.0 | $\frac{-5.0}{27.0}$ | -3.0 | $\frac{-3.3}{21.9}$ |
|------|-----|------|---------------------|------|---------------------|

|      |     |      |                     |      |                     |
|------|-----|------|---------------------|------|---------------------|
| 34.0 | 2.4 | -2.1 | $\frac{-4.9}{26.7}$ | -3.0 | $\frac{-3.0}{21.0}$ |
|------|-----|------|---------------------|------|---------------------|

|      |     |      |                     |      |                     |
|------|-----|------|---------------------|------|---------------------|
| 34.2 | 2.2 | -0.9 | $\frac{-2.2}{18.6}$ | -2.2 | $\frac{+0.3}{20.0}$ |
|------|-----|------|---------------------|------|---------------------|

Nail in F.P. L. Sta. 45+98

|      |     |      |  |      |  |
|------|-----|------|--|------|--|
| 34.5 | 3.7 | -0.2 |  | -0.7 |  |
|------|-----|------|--|------|--|

|      |     |      |                     |  |                     |
|------|-----|------|---------------------|--|---------------------|
| 34.8 | 3.4 | -0.8 | $\frac{-1.7}{17.1}$ |  | $\frac{+1.2}{21.3}$ |
|------|-----|------|---------------------|--|---------------------|

|      |     |      |                     |  |                     |
|------|-----|------|---------------------|--|---------------------|
| 35.1 | 3.1 | -2.2 | $\frac{-2.9}{20.7}$ |  | $\frac{-3.5}{22.5}$ |
|------|-----|------|---------------------|--|---------------------|

Fill 3-1 Slope

Nail in F.P. L. Sta. 42+95

Nail in F.P. L. Sta. 42+95

|      |     |  |                     |      |                     |      |
|------|-----|--|---------------------|------|---------------------|------|
| 35.5 | 7.8 |  | $\frac{-2.0}{18.0}$ | -2.5 | $\frac{-6.7}{32.1}$ | -7.2 |
|------|-----|--|---------------------|------|---------------------|------|

## Project 88-C Slope Stakes

| Sta. | B.S.                         | H.I.    | F.S. | Elev.   |
|------|------------------------------|---------|------|---------|
| 59   |                              |         |      |         |
| 58   |                              |         |      |         |
| 57   |                              |         |      |         |
| T.P. | 0.93                         | 2529.31 | 8.90 | 2528.38 |
| 56   |                              |         |      |         |
| 55   |                              |         |      |         |
| T.P. | 4.25                         | 2537.28 | 2.72 | 2533.03 |
|      | October 11, 1922             |         |      |         |
|      | Weather: Bright, Windy, Cold |         |      |         |
|      | A. L. Oglet, R.              |         |      |         |
|      | E. P. Clements, Rod          |         |      |         |
| 54   | G. S. Callahan, Chain        |         |      |         |
| 53   |                              |         |      |         |
| 52   |                              |         |      |         |
| 51   |                              |         |      |         |
| T.P. | 4.13                         | 2535.75 | 4.76 | 2531.62 |

2536.36

# Project 88-C Slope Stakes

12

| Grade | G.R. | Hub                 | L.   | C.                  | R.   | Hulp |
|-------|------|---------------------|------|---------------------|------|------|
| 23.9  | 5.4  | $\frac{-2.1}{18.3}$ | -1.0 | $\frac{-2.6}{19.8}$ | -4.3 |      |
| 25.1  | 4.2  | $\frac{-2.9}{20.7}$ | -2.0 | $\frac{-3.6}{22.8}$ | -4.3 |      |
| 27.1  | 2.2  | $\frac{-2.7}{20.1}$ | -1.9 | $\frac{-3.6}{22.8}$ | -3.4 |      |

Nail in T.P. # 3070 R. Sta. 56+

|      |     |              |      |              |      |
|------|-----|--------------|------|--------------|------|
| 29.1 | 8.2 | +5.6<br>27.9 | +0.4 | +3.1<br>24.2 | -0.1 |
| 31.1 | 6.2 | +5.2<br>27.5 | +2.1 | +5.0<br>27.0 | +3.0 |

Nail in F.P. L. Sta. 54+30

|      |     |              |              |      |              |
|------|-----|--------------|--------------|------|--------------|
| 32.3 | 3.5 | -1.9<br>15.9 | -1.3<br>15.9 | -0.8 | -2.3<br>18.9 |
| 32.6 | 3.2 | -0.8<br>26.4 | -1.8<br>26.4 | -1.7 | -3.3<br>21.9 |
| 32.8 | 3.0 | -0.9<br>25.5 | -1.5<br>25.5 | -1.9 | -3.2<br>21.6 |
| 33.1 | 2.7 | -1.6<br>27.3 | -5.1<br>27.3 | -2.2 | -3.2<br>21.6 |

Nail in F.P. L. Sta. 50+15

# Project 88-C Slope Stakes

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 68   |      |         |      |         |
| T.P. | 7.62 | 2548.73 | 2.58 | 2541.11 |
| 67   |      |         |      |         |
| 66   |      |         |      |         |
| 65   |      |         |      |         |
| T.P. | 5.70 | 2543.69 | 0.80 | 2537.99 |
| 64   |      |         |      |         |
| T.P. | 9.13 | 2538.79 | 2.20 | 2529.66 |
| 63   |      |         |      |         |
| 62   |      |         |      |         |
| 61   |      |         |      |         |
| 60   |      |         |      |         |
| T.P. | 7.67 | 2531.86 | 5.12 | 2524.19 |

April 30, 1923

Weather: Bright, Warm, Very windy

A.L. Ogilvie, A

E.P. Clemente, Rod

2529.31



Project 88-C Slope Stakes  
 Center  
 Grade G.R. Hub L. C. R.

13

|      |     |                     |      |                     |             |
|------|-----|---------------------|------|---------------------|-------------|
| 41.6 | 7.1 | $\frac{-2.2}{18.6}$ | -2.2 | $\frac{-2.7}{20.1}$ | Hub<br>-1.3 |
|------|-----|---------------------|------|---------------------|-------------|

Nail in X-Fence Post R. Sta. 67+90

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 39.4 | 4.3 | $\frac{-0.8}{11.4}$ | -1.6 | $\frac{-3.0}{21.0}$ | -3.9 |
|------|-----|---------------------|------|---------------------|------|

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 37.1 | 6.6 | $\frac{+5.0}{21.0}$ | +1.4 | $\frac{+2.5}{23.7}$ | +1.0 |
|------|-----|---------------------|------|---------------------|------|

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 34.8 | 8.9 | $\frac{+1.5}{30.8}$ | +3.5 | $\frac{+6.8}{29.7}$ | +5.0 |
|------|-----|---------------------|------|---------------------|------|

Nail in T.P. # 3064 L. Sta. 64+20

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 32.5 | 6.3 | $\frac{+3.3}{24.5}$ | +0.0 | $\frac{+5.2}{21.3}$ | +2.8 |
|------|-----|---------------------|------|---------------------|------|

Spike in T.P. # 3065 R. Sta. 62+95

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 30.2 | 1.7 | $\frac{-2.0}{18.0}$ | -1.8 | $\frac{-2.6}{19.8}$ | -1.3 |
|------|-----|---------------------|------|---------------------|------|

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 27.9 | 4.0 | $\frac{-2.4}{19.2}$ | -2.3 | $\frac{-2.9}{20.7}$ | -2.3 |
|------|-----|---------------------|------|---------------------|------|

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 25.6 | 6.3 | $\frac{+0.6}{20.4}$ | -1.6 | $\frac{-2.0}{18.0}$ | -1.8 |
|------|-----|---------------------|------|---------------------|------|

|      |     |                     |      |                     |      |
|------|-----|---------------------|------|---------------------|------|
| 24.0 | 7.9 | $\frac{+1.5}{21.8}$ | -1.1 | $\frac{-1.7}{17.1}$ | -1.6 |
|------|-----|---------------------|------|---------------------|------|

Nail in T.P. # 3067 R. Sta. 60+30

# Project 88-C Slope Stakes

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 78   |      |         |      |         |
| 77   |      |         |      |         |
| T.P. | 0.38 | 2539.88 | 5.90 | 2539.50 |

May 4, 1923

Weather: Bright, Cool, Very windy

A.L. Ogle, Jr

E.P. Clements, Rod

76

75

74

73

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 3.67 | 2545.40 | 7.00 | 2541.73 |
|------|------|---------|------|---------|

72

71

70

69

2548.73

# Project 88-C Slope Stakes

14

| Grade | Center<br>G.R. | Hub | L.                  | C.   | R.                  | Hub  |
|-------|----------------|-----|---------------------|------|---------------------|------|
| 32.4  | 7.5            |     | $\frac{-0.2}{19.8}$ | -1.3 | $\frac{-2.3}{18.9}$ | -2.5 |
| 34.3  | 5.6            |     | $\frac{+1.0}{21.0}$ | -0.8 | $\frac{-1.7}{17.1}$ | -1.2 |

Nail in T.P. # 3055 R. Sta. 76+10

|      |     |      |                     |      |                     |  |
|------|-----|------|---------------------|------|---------------------|--|
| 36.2 | 9.2 | +1.0 | $\frac{+5.7}{28.1}$ | +1.5 | $\frac{+1.6}{26.4}$ |  |
|------|-----|------|---------------------|------|---------------------|--|

|      |     |      |                     |      |                     |  |
|------|-----|------|---------------------|------|---------------------|--|
| 38.1 | 7.3 | +3.8 | $\frac{+5.7}{28.1}$ | +3.4 | $\frac{+8.1}{31.7}$ |  |
|------|-----|------|---------------------|------|---------------------|--|

|      |     |      |                     |      |                     |  |
|------|-----|------|---------------------|------|---------------------|--|
| 40.0 | 5.4 | -0.3 | $\frac{+1.7}{22.1}$ | -0.2 | $\frac{+0.4}{20.1}$ |  |
|------|-----|------|---------------------|------|---------------------|--|

|      |     |      |                     |      |                     |  |
|------|-----|------|---------------------|------|---------------------|--|
| 40.7 | 4.7 | +0.0 | $\frac{+0.9}{20.9}$ | -1.0 | $\frac{-1.3}{15.9}$ |  |
|------|-----|------|---------------------|------|---------------------|--|

Spike in T.P. # 3058 R. Sta. 72+10

|      |     |  |                     |      |                     |      |
|------|-----|--|---------------------|------|---------------------|------|
| 41.3 | 7.4 |  | $\frac{+3.0}{24.0}$ | -0.6 | $\frac{+0.8}{20.7}$ | -0.4 |
|------|-----|--|---------------------|------|---------------------|------|

|      |     |  |                     |      |                     |      |
|------|-----|--|---------------------|------|---------------------|------|
| 41.9 | 6.8 |  | $\frac{+0.0}{19.5}$ | -1.8 | $\frac{-2.2}{18.6}$ | -1.0 |
|------|-----|--|---------------------|------|---------------------|------|

|      |     |  |                     |      |                     |      |
|------|-----|--|---------------------|------|---------------------|------|
| 42.6 | 6.1 |  | $\frac{+3.5}{24.8}$ | -0.7 | $\frac{+1.0}{21.0}$ | -1.2 |
|------|-----|--|---------------------|------|---------------------|------|

|      |     |  |                     |      |                     |      |
|------|-----|--|---------------------|------|---------------------|------|
| 42.8 | 5.9 |  | $\frac{+3.0}{24.0}$ | +0.6 | $\frac{+3.2}{24.3}$ | +0.8 |
|------|-----|--|---------------------|------|---------------------|------|

# Project 88-C Slope Stakes

| Sta. | B.S. | I.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 2.93 | 2530.05 | 7.61 | 2527.12 |

85

84

83

|      |      |         |  |         |
|------|------|---------|--|---------|
| B.M. | 2.58 | 2534.73 |  | 2532.15 |
|------|------|---------|--|---------|

April 19, 1923

Weather: Bright, Windy

A.L. Ogle, ~~AK~~

E.P. Clements, Rod

|      |  |  |      |  |
|------|--|--|------|--|
| B.M. |  |  | 2.50 |  |
|------|--|--|------|--|

2532.22

82

81

80

T.P.

79

Project 88-C Slope Stakes  
Grade Center Hub L. C. R.

Hub 15

Nail in T.P. # 3047 L. Sta. 85+20

|      |     |             |      |             |
|------|-----|-------------|------|-------------|
| 28.9 | 5.8 | -1.3        | -2.1 | -3.0        |
|      |     | <u>15.9</u> |      | <u>21.0</u> |

|      |     |             |      |             |
|------|-----|-------------|------|-------------|
| 30.3 | 4.1 | -1.9        | -1.9 | -4.2        |
|      |     | <u>17.7</u> |      | <u>24.6</u> |

|      |     |             |      |             |
|------|-----|-------------|------|-------------|
| 31.7 | 3.0 | -4.0        | -1.8 | -5.4        |
|      |     | <u>24.0</u> |      | <u>28.2</u> |

Bridge floor Sta. 82+25 on N.W. Cor.

Bridge floor Sta. 82+25 on N.W. Cor.

|      |     |             |      |             |      |
|------|-----|-------------|------|-------------|------|
| 32.4 | 2.3 | +0.0        | -1.0 | -1.1        | -2.1 |
|      |     | <u>19.5</u> |      | <u>15.3</u> |      |

|      |     |             |      |             |      |
|------|-----|-------------|------|-------------|------|
| 32.4 | 2.3 | -1.8        | -1.8 | +0.3        | -1.7 |
|      |     | <u>17.4</u> |      | <u>20.0</u> |      |

|      |     |             |      |             |      |
|------|-----|-------------|------|-------------|------|
| 32.4 | 2.3 | -3.8        | -2.6 | -2.8        | -2.5 |
|      |     | <u>23.4</u> |      | <u>20.4</u> |      |

Nail in T.P. # 3053 R. Sta. 79+15 (New)

|      |     |             |      |             |      |
|------|-----|-------------|------|-------------|------|
| 32.4 | 7.5 | -2.5        | -2.3 | -2.5        | -2.9 |
|      |     | <u>19.5</u> |      | <u>19.5</u> |      |

32.4 7.5

## Project 88-C Slope Stakes

| Sta. | B.S.  | H.I.    | F.S. | Elev.   |
|------|-------|---------|------|---------|
| 95   |       |         |      |         |
| T.P. | 11.92 | 2549.07 | 0.34 | 2537.15 |
| 94   |       |         |      |         |
| 93   |       |         |      |         |
| T.P. | 10.38 | 2537.49 | 2.17 | 2527.11 |
| 92   |       |         |      |         |
| 91   |       |         |      |         |
| 90   |       |         |      |         |
| T.P. | 4.03  | 2529.28 | 4.80 | 2525.25 |
| 89   |       |         |      |         |
| 88   |       |         |      |         |
| 87   |       |         |      |         |
| 86   |       |         |      |         |

2530.05

# Project 88-C Slope Stakes

Grade Center Hub L. C. R.

Hub 16

37.6 11.5  $\frac{+1.5}{26.3}$  +2.1  $\frac{+2.2}{22.8}$

Nail in Stub post L. Sta. 94+20

34.6 2.9  $\frac{+1.5}{21.8}$  +0.4  $\frac{+0.8}{20.7}$

31.5 6.0  $\frac{+0.5}{20.3}$  -1.0  $\frac{+0.0}{19.5}$

Nail in T.P. # 3042 L. Sta. 91+75

28.5 0.8  $\frac{-0.9}{14.7}$  -1.5  $\frac{-2.1}{18.3}$

26.2 3.1  $\frac{-0.9}{14.7}$  -1.4  $\frac{-3.0}{21.0}$

25.4 3.9  $\frac{-2.4}{19.2}$  -1.8  $\frac{-3.6}{22.8}$

Nail in T.P. # 3044 L. Sta. 89+15

25.4 4.6  $\frac{-2.3}{18.9}$  -1.8  $\frac{-3.6}{22.8}$

25.4 4.6  $\frac{+1.0}{21.0}$  -1.1  $\frac{+0.1}{19.7}$

26.1 3.9  $\frac{+2.6}{23.4}$  -0.2  $\frac{+1.0}{21.0}$

27.5 2.5  $\frac{+0.6}{20.4}$  -1.1  $\frac{+0.2}{19.8}$



# Project 88-C Slope Stakes

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| B.M. |      |         | 1.17 | 2544.66 |
| 103  |      |         |      |         |
| 102  |      |         |      |         |
| T.P. | 6.25 | 2545.83 | 6.05 | 2539.58 |
| 101  |      |         |      |         |
| 100  |      |         |      |         |
| 99   |      |         |      |         |
| T.P. | 0.36 | 2545.63 | 3.80 | 2545.27 |
| 98   |      |         |      |         |
| 97   |      |         |      |         |
| 96   |      |         |      |         |

2549.07

Nail in T.P. # 3033 L. Sta. 103+62

|      |     |                     |      |                     |
|------|-----|---------------------|------|---------------------|
| 41.6 | 4.2 | $\frac{+0.2}{19.8}$ | -0.2 | $\frac{+2.5}{23.3}$ |
|------|-----|---------------------|------|---------------------|

|      |     |                     |      |                     |
|------|-----|---------------------|------|---------------------|
| 42.0 | 3.8 | $\frac{-3.2}{21.6}$ | -2.3 | $\frac{-2.7}{20.1}$ |
|------|-----|---------------------|------|---------------------|

Nail in T.P. # 3035 L. Sta. 101

|      |     |                     |      |                     |
|------|-----|---------------------|------|---------------------|
| 42.3 | 3.3 | $\frac{-4.0}{24.0}$ | -2.7 | $\frac{-3.3}{21.9}$ |
|------|-----|---------------------|------|---------------------|

|      |     |                     |      |                     |
|------|-----|---------------------|------|---------------------|
| 42.7 | 2.9 | $\frac{-3.7}{23.1}$ | -2.9 | $\frac{-3.6}{22.8}$ |
|------|-----|---------------------|------|---------------------|

|      |     |                     |      |                     |
|------|-----|---------------------|------|---------------------|
| 43.0 | 2.6 | $\frac{-1.7}{17.1}$ | -1.4 | $\frac{-2.6}{19.8}$ |
|------|-----|---------------------|------|---------------------|

Nail in T.P. # 3037

|      |     |                     |      |                     |
|------|-----|---------------------|------|---------------------|
| 43.4 | 5.7 | $\frac{+2.1}{22.7}$ | +1.4 | $\frac{+0.7}{20.6}$ |
|------|-----|---------------------|------|---------------------|

|      |     |                     |      |                     |
|------|-----|---------------------|------|---------------------|
| 43.1 | 6.0 | $\frac{+6.0}{28.5}$ | +3.7 | $\frac{+3.2}{24.3}$ |
|------|-----|---------------------|------|---------------------|

|      |     |                     |      |                     |
|------|-----|---------------------|------|---------------------|
| 40.7 | 8.4 | $\frac{+4.9}{26.9}$ | +3.3 | $\frac{+2.3}{23.0}$ |
|------|-----|---------------------|------|---------------------|

Project 88-C Slope Stakes

Culverts

Project 88-C Culvert Location

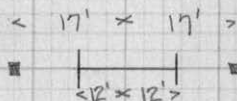
1

# Project 88-C Culvert Location

Sta. B.S. H.I. F.S. Elev.

6' X 3' X 24' Conc. Box Culv.

13+60-A



B.M.

5.37

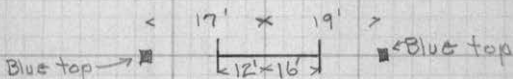
2533.81

2528.44

Sta. 8-A

18" X 28' Conc. Pipe  
(No posts)

8+00-A



B.M.

4.41

2529.22

2524.81

September 12, 1922

Weather: Bright, Warm

A.L. Ogle, Jr.

E.P. Clements, Rod

G.S. Callahan, Chain

# Project 88-C Culvert Location

Grade

G.R.

L.

R.

2

26.0 25.8 8.3 8.5+0.5 +11.5

Nail in F.P. L. Sta. 13+06

Sta. 8-A

22.5 20.7 6.7 8.5+11.0 +10.0

Nail in T.P. # 3128 L. Sta. 8+10

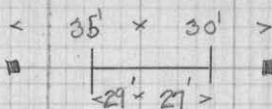


# Project 88-C Culvert Location

Sta. B.S. H.L. F.S. Elev.

30" X 56' Conc. Pipe

37+25-A

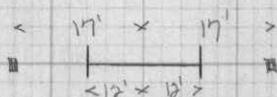


B.M.

4.47 2524.06  
August 11, 1922  
Weather; Bright, Hot  
A.L. Ogle,  $\pi$   
E.P. Clements, Rod  
F.E. Corrick, Chain

2519.59

24" X 24' Conc. Pipe



21+25

B.M.

5.37 2530.06  
September 20, 1922  
Weather:  
A.L. Ogle,  $\pi$   
E.P. Clements, Rod  
G.S. Callahan, Chain

2524.69

# Project 88-C Culvert Location

3

Grade G.R. H. R.

18.5 18.1 5.6 6.0 -1.0 +0.5

Nail Top Hub Sta. 36+90

22.4 22.1 7.7 8.0 +1.5 +1.0

23.9 22.7 22.6 23.1 24.9 25.1 24.3 22.4 21.4 21.6  
 6.2 7.4 7.5 7.0 5.2 5.0 5.8 7.7 8.7 8.5  
 32 31 27 19 12 12 18 27 33

Nail in T.P. # 31194 Sta. 24+25

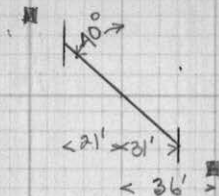
# Project 88-C Culvert Location

Sta. B.S. H.I. F.S. Elev.

24" X 52' Conc. Pipe on Skew

< 26' >

No posts



49-A

B.M. 1.04 2550.25 2549.21

September 5, 1922

Weather:

A.W. Ogile, A

E.P. Clements, Rod

G.S. Callahan, Chain

4' X 5' X 29' Conc. Box Culv.

44+00-A



B.M. 1.75 2524.81 2522.06

August 14, 1922

Weather: Hot, Bright

A.W. Ogile, A

E.P. Clements, Rod

F.E. Corrick, Chain

# Project 88-C Culvert Location

Grade G.R. L. R.

4

41.8 35.4 8.5 14.9 +0.0 +1.5

41.9 43.4 41.6 42.0 41.2 39.9 38.9 38.7 37.0 36.6 36.2 33.9 33.0

$\frac{4.6}{50}$   $\frac{6.1}{31}$   $\frac{7.9}{30}$   $\frac{7.5}{24}$   $\frac{8.3}{9}$   $\frac{9.6}{10.6}$   $\frac{10.8}{2}$   $\frac{12.5}{20}$   $\frac{12.9}{21}$   $\frac{13.3}{31}$   $\frac{15.6}{35}$   $\frac{16.5}{44}$

Nail in Tree L. Sta. 48+25

16.7 16.0 8.1 8.8 +0.5 +0.0

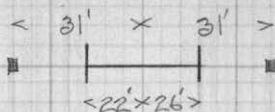
Nail Top Hub L. Sta. 44+80

# Project 88-C Culvert Location

Sta. B.S. H.I. F.S. Elev.

24" X 48' Conc. Pipe No posts

43+51

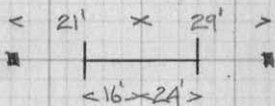


43+51

B.M. 3.22 2537.26 2534.04

24" X 40' Conc. Pipe No posts

57-A



B.M. 2.95 2554.01 2551.06

# Project 88-C Culvert Location

Grade G.R.

L. R.

5

29.0 27.5 8.3 9.8 +4.5 +1.5

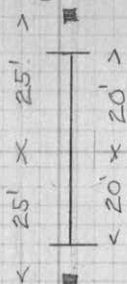
|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 32.8 | 32.0 | 29.4 | 28.7 | 32.5 | 32.4 | 32.2 | 28.6 | 29.0 | 28.3 | 28.7 | 27.5 | 26.8 | 27.4 | 27.5 |
| 4.5  | 5.3  | 7.9  | 8.6  | 4.8  | 4.9  | 5.1  | 8.7  | 8.3  | 9.0  | 8.6  | 9.8  | 10.5 | 9.9  | 9.8  |
| 33   | 27   | 24   | 18   | 18   |      | 1    | 1    | 9    | 11   | 18   | 19   | 26   | 30   | 33   |

Nail in F.P.H. Sta. 42+95

46.7 42.9 7.3 11.1 +0.5 +0.0

Nail in Hub L. on Fence line Sta. 58+15

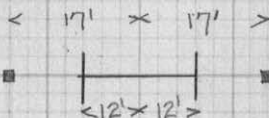
Project 88-C Culvert Location  
 Sta. B.S. H.I. F.S. Elev.  
 18" X 40' Conc. Pipe Ditch X-ing



81

B.M. 3.25 2535.40 2532.15

30" X 24' Conc. Pipe



58+88

58+88

B.M. 0.01 2528.42 2528.41

September 12, 1922

Weather: Bright, Warm

A.L. Ogle,  $\pi$

E.P. Clements, Rod

B.S. Callahan, Chain



# Project 88-C Culvert Location

Grade G.R.

L. R.

6

28.9 28.2 6.5 7.2 +1.5 +1.0

29.2 30.6 29.5 29.7 30.7 30.1 30.0 28.8 29.1  
 6.2 4.8 5.9 5.7 4.7 5.3 5.4 6.6 6.3  
 2.6 2.3 2.0 1.4 1.3 2.1 2.1 2.8

Bridge floor on N.W. Corner

21.0 20.0 7.4 8.4 +1.0 +0.5

21.7 21.1 21.6 21.1 21.7 23.1 23.1 22.7 20.3 20.4 20.3 19.6 19.0  
 6.7 7.3 6.8 7.3 6.7 5.3 5.3 5.7 8.1 8.0 8.1 8.8 9.4  
 2.7 2.3 1.6 1.4 1.0 1.0 1.1 1.1 1.7 2.2 2.5 2.9

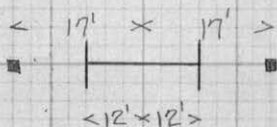
Nail in T.P. # 3070 R. Sta.

# Project 88-C Culvert Location

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

18" x 24' Conc. Pipe

88+70



88+70

B.M.

3.67

2528.93

2525.26

# Project 88-C Culvert Location

Grade G.R. L. R.

7

22.7 22.5 6.2 6A +0.5 +0.5

24.6 23.3 22.9 22.5 22.4 21.0 23.9 23.9 22.3 22.3 23.0 22.9 21.9 21.7  
 4.3 5.6 6.0 6.4 6.5 4.9 5.0 5.0 6.6 6.6 5.9 6.0 7.0 7.2  
 31 25 21 18 14 14 10 10 12 12 17 21 25 32

Nail in T.P. #3044 L. Sta. 89+15

Project 88-C Culvert Location

Finishing  
Stakes



# Project 88-C Finishing Stakes

| Sta. | B.S. | H.I.    | F.S.  | Elev.   |
|------|------|---------|-------|---------|
| 46   |      |         |       |         |
| 45   |      |         |       |         |
| 44   |      |         |       |         |
| 43   |      |         |       |         |
| 42   |      |         |       |         |
| 41   |      |         |       |         |
| 40   |      |         |       |         |
| T.P. | 1.14 | 2543.66 | 11.38 | 2542.51 |
| 39   |      |         |       |         |
| 38   |      |         |       |         |
| 37   |      |         |       |         |
| 36   |      |         |       |         |
| B.M. | 0.59 | 2553.89 |       | 2553.30 |

May 22, 1923

Weather:

A.L. Ogle, Jr.

E.P. Clements, Rod



# Project 88-C Finishing Stakes

2

| Grade | Center<br>G.R. | Shoulder<br>L.    | R.                |
|-------|----------------|-------------------|-------------------|
| 34.5  | 9.2            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 34.8  | 8.9            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 35.1  | 8.6            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 35.5  | 8.2            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 36.8  | 6.9            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 39.1  | 4.6            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 41.5  | 2.2            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |

Nail in X-F.P. L. Sta. 40+75

|      |      |                   |                   |
|------|------|-------------------|-------------------|
| 43.9 | 10.0 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 46.3 | 7.6  | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 48.6 | 5.3  | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 50.0 | 3.9  | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |

Nail in F.P. L. Sta. 36+50

# Project 88-C Finishing Stakes

| Sta. | B.S. | H.I.    | F.S.  | Elev.   |
|------|------|---------|-------|---------|
| 56   |      |         |       |         |
| 55   |      |         |       |         |
| T.P. | 5.85 | 2536.87 | 6.03  | 2531.02 |
| 54   |      |         |       |         |
| 53   |      |         |       |         |
| 52   |      |         |       |         |
| 51   |      |         |       |         |
| T.P. | 6.78 | 2537.05 | 8.07  | 2530.27 |
| 50   |      |         |       |         |
| 49   |      |         |       |         |
| 48   |      |         |       |         |
| 47   |      |         |       |         |
| T.P. | 6.74 | 2538.34 | 12.06 | 2531.60 |

Project 88-C Finishing Stakes  
 Center L. R. Shoulder R.

3

|       |     |                   |                   |
|-------|-----|-------------------|-------------------|
| Grade |     |                   |                   |
| 29.1  | 7.8 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 31.1  | 5.8 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |

Nail in T.P. # 3072 R. Sta. 52+90

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 32.3 | 4.8 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 32.6 | 4.5 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 32.8 | 4.3 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 33.1 | 4.0 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |

Nail in T.P. # 3075 R. Sta. 49+60

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 33.4 | 4.9 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 33.7 | 4.6 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 34.0 | 4.3 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 34.2 | 4.1 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |

☐ on West Headwall of Culvert

# Project 88-C Finishing Stakes

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

69

68

|      |      |         |  |         |
|------|------|---------|--|---------|
| B.M. | 5.50 | 2546.58 |  | 2541.08 |
|------|------|---------|--|---------|

May 2, 1923

Weather: Cloudy, Chilly

A.L. Ogle,  $\pi$

E.P. Clements, Rod

|      |  |  |      |         |
|------|--|--|------|---------|
| B.M. |  |  | 5.92 | 2525.23 |
|------|--|--|------|---------|

62

61

60

59

58

57

|      |      |         |      |         |
|------|------|---------|------|---------|
| B.M. | 1.74 | 2530.15 | 8.46 | 2528.41 |
|------|------|---------|------|---------|

May 21, 1923

Weather: Cloudy, Cool

A.L. Ogle,  $\pi$

E.P. Clements, Rod

Project 88-C Finishing Stakes  
Center Shoulder  
Grade G.R. L. R.

4

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 42.8 | 3.8 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 41.6 | 5.0 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |

Nail in X-fence post R. Sta. 67+90

Nail in T.P. # 3067

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 27.9 | 2.3 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 25.6 | 4.6 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 24.0 | 6.2 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 23.9 | 6.3 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 25.1 | 5.1 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 27.1 | 3.1 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

Nail in T.P. # 3070

# Project 88-C Finishing Stakes

| Sta.                         | B.S. | H.I.    | F.S. | Elev.   |
|------------------------------|------|---------|------|---------|
| 78                           |      |         |      |         |
| 77                           |      |         |      |         |
| T.P.                         | 1.20 | 2540.72 | 4.02 | 2539.52 |
| 76                           |      |         |      |         |
| 75                           |      |         |      |         |
| 74                           |      |         |      |         |
| B.M.                         | 4.02 | 2543.54 |      | 2539.52 |
| May 16, 1923                 |      |         |      |         |
| Weather: Partly cloudy, Cool |      |         |      |         |
| A.L. Ogle, $\pi$             |      |         |      |         |
| E.P. Clements, Rod           |      |         |      |         |
| B.M.                         |      |         | 4.84 | 2541.74 |
| 73                           |      |         |      |         |
| 72                           |      |         |      |         |
| 71                           |      |         |      |         |
| 70                           |      |         |      |         |

# Project 88-C Finishing Stakes

5

| Grade | Center<br>G.R. | Shoulder<br>L.    | R.                |
|-------|----------------|-------------------|-------------------|
| 32.4  | 8.3            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 34.3  | 6.4            | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |

Nail in T.P. # 3055 R. Sta. 76+10

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 36.2 | 7.3 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 38.1 | 5.4 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 40.0 | 3.5 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |

Nail in T.P. # 3055 R. Sta. 76+10

Nail in T.P. # 3058

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 40.7 | 5.9 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 41.3 | 5.3 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 41.9 | 4.7 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
| 42.6 | 4.0 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |



## Project 88-C Finishing Stakes

| Sta.                  | B.S. | H.I.    | F.S. | Elev.   |
|-----------------------|------|---------|------|---------|
| 85                    |      |         |      |         |
| T.P.                  | 2.55 | 2531.96 | 4.40 | 2529.41 |
| 84                    |      |         |      |         |
| 83                    |      |         |      |         |
| B.M.                  | 1.66 | 2533.81 |      | 2532.15 |
| May 24, 1923          |      |         |      |         |
| Weather: Bright, Cool |      |         |      |         |
| A. L. Ogle, $\pi$     |      |         |      |         |
| E. P. Clemente, Rod   |      |         |      |         |
| B.M.                  |      |         | 4.09 | 2532.15 |
| 82                    |      |         |      |         |
| 81                    |      |         |      |         |
| 80                    |      |         |      |         |
| T.P.                  | 5.47 | 2536.24 | 9.95 | 2530.77 |
| 79                    |      |         |      |         |

## Project 88-C Finishing Stakes

Grade

Center  
G.R.

L. Shoulder R.

6

28.9

3.1

 $\frac{+0.0}{12}$  $\frac{+0.0}{12}$ 

Nail in T.P. # 3048

30.3

3.5

 $\frac{+0.0}{12}$  $\frac{+0.0}{12}$ 

31.7

2.1

 $\frac{+0.0}{12}$  $\frac{+0.0}{12}$ 

Bridge floor Sta. 82+25 on N.W. Cor.

Br. floor Sta. 82+25 on N.W. Cor.

32.4

3.8

 $\frac{+0.0}{12}$  $\frac{+0.0}{12}$ 

32.4

3.8

 $\frac{+0.0}{12}$  $\frac{+0.0}{12}$ 

32.4

3.8

 $\frac{+0.0}{12}$  $\frac{+0.0}{12}$ 

Nail in T.P. # 3053 R. Sta. 79+15

32.4

8.3

 $\frac{+0.0}{12}$  $\frac{+0.0}{12}$

# Project 88-C Finishing Stakes

| Sta. | B.S.  | H.I.    | F.S. | Elev    |
|------|-------|---------|------|---------|
| 95   |       |         |      |         |
| T.P. | 11.45 | 2547.56 | 0.20 | 2536.11 |
| 94   |       |         |      |         |
| 93   |       |         |      |         |
| T.P. | 9.20  | 2536.31 | 3.34 | 2527.11 |
| 92   |       |         |      |         |
| 91   |       |         |      |         |
| 90   |       |         |      |         |
| 89   |       |         |      |         |
| T.P. | 5.20  | 2530.45 | 6.71 | 2525.25 |
| 88   |       |         |      |         |
| 87   |       |         |      |         |
| 86   |       |         |      |         |
|      |       | 2533.81 |      |         |

# Project 88-C Finishing Stakes

7

Grade

Center  
G.R.

Shoulder  
L. R.

37.6

10.0

+0.0

+0.0

12

12

Nail in F.P.R. Sta. 93+07

34.6

1.7

+0.0

+0.0

12

12

31.5

4.8

+0.0

+0.0

12

12

Nail in F.P.R. Sta. 92+50

28.5

2.0

+0.0

+0.0

12

12

26.2

4.3

+0.0

+0.0

12

12

25.4 5.1

+0.0

+0.0

12

12

25.4

5.1

+0.0

+0.0

12

12

Nail in T.P. # 3044

25.4

6.6

+0.0

+0.0

12

12

26.1

5.9

+0.0

+0.0

12

12

27.5

4.5

+0.0

+0.0

12

12

# Project 88-C Finishing Stakes

| Sta.                         | B.S. | H.I.    | F.S. | Elev.   |
|------------------------------|------|---------|------|---------|
| B.M.                         |      |         | 2.28 | 2544.66 |
| 103                          |      |         |      |         |
| 102                          |      |         |      |         |
| 101                          |      |         |      |         |
| 100                          |      |         |      |         |
| 99                           |      |         |      |         |
| B.M.                         | 1.65 | 2546.94 |      | 2545.29 |
| May 16, 1923                 |      |         |      |         |
| Weather: Partly cloudy, Cool |      |         |      |         |
| A.L. Ogle, Jr.               |      |         |      |         |
| E.P. Clements, Rod           |      |         |      |         |
| B.M.                         |      |         | 3.27 | 2545.29 |
| 98                           |      |         |      |         |
| 97                           |      |         |      |         |
| 96                           |      |         |      |         |
| T.P.                         | 7.95 | 2548.56 | 6.95 | 2540.61 |

2547.56

Project 88-C Finishing Stakes  
 Grade Center G.R. L. Shoulder R.

8

Nail in T.P. # 3033 L. Sta. 103+62

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 41.6 | 5.3 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 42.0 | 4.9 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 42.3 | 4.6 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 42.7 | 4.2 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 43.0 | 3.9 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

Nail in T.P. # 3037

Nail in T.P. # 3037

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 43.4 | 5.2 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 43.1 | 5.5 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

|      |     |                   |                   |
|------|-----|-------------------|-------------------|
| 40.7 | 7.9 | $\frac{+0.0}{12}$ | $\frac{+0.0}{12}$ |
|------|-----|-------------------|-------------------|

Nail in X-fence post R. Sta. 93+07 (new)

Project 88-C Finishing Stakes



PROJ. 88-C

BOOK-2

Semi-Final  
X-Section

Project 88-c Semi-Final X-Sect.

1

## Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|        |  |  |  |  |
|--------|--|--|--|--|
| 1+00-A |  |  |  |  |
|--------|--|--|--|--|

|        |  |  |  |  |
|--------|--|--|--|--|
| 0+50-A |  |  |  |  |
|--------|--|--|--|--|

|        |  |  |  |  |
|--------|--|--|--|--|
| 0+00-A |  |  |  |  |
|--------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| -1+00-A |  |  |  |  |
|---------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| -1+50-A |  |  |  |  |
|---------|--|--|--|--|

|      |      |         |  |         |
|------|------|---------|--|---------|
| B.M. | 9.74 | 2554.75 |  | 2545.01 |
|------|------|---------|--|---------|

November 22, 1922

Weather: Bright, Warm

A. L. Ogle, A

E. P. Clements, Rod

G. S. Callahan, Chain

# Project 88-C Semi-Final X-Sect.

2

59.3 46.2 46.3 41.5 41.5 47.1 45.7 45.3 49.8 50.0

$\frac{0.5}{32.5}$   $\frac{8.6}{22}$   $\frac{8.5}{18}$   $\frac{7.3}{13}$  7.3 7.7  $\frac{9.1}{18}$   $\frac{9.5}{22}$   $\frac{5.0}{28}$   $\frac{4.8}{30}$

53.5 47.4 47.3 48.6 48.7 48.2 47.1 46.9 51.0

$\frac{1.3}{31}$   $\frac{7.1}{24}$   $\frac{7.5}{20}$   $\frac{6.2}{13}$  6.1  $\frac{6.6}{13}$   $\frac{7.7}{19}$   $\frac{7.9}{21}$   $\frac{3.8}{26.5}$

51.4 51.2 50.4 50.0 49.5 49.3 48.1 48.0 49.8 49.8

$\frac{3.1}{33}$   $\frac{3.6}{24}$   $\frac{1.4}{21}$   $\frac{1.8}{11}$  5.3  $\frac{5.5}{15}$   $\frac{6.7}{20}$   $\frac{6.8}{24}$   $\frac{5.0}{27}$   $\frac{5.0}{28}$

50.0 48.7 48.7 49.7 49.9 49.1 47.8 47.4 48.8 48.7

$\frac{4.8}{22}$   $\frac{6.1}{20}$   $\frac{6.1}{17}$   $\frac{5.1}{12}$  4.9 5.7  $\frac{7.0}{13}$   $\frac{7.4}{18}$   $\frac{6.0}{21}$   $\frac{6.1}{22}$   $\frac{6.1}{26}$

49.8 49.0 49.7 49.9 49.3 48.1 48.1

$\frac{5.1}{21}$   $\frac{5.8}{20}$   $\frac{5.1}{13}$  4.9  $\frac{5.5}{12}$   $\frac{6.7}{19}$   $\frac{6.7}{25}$

Nail in F.P.R. Sta. 1+95

Project 88-C Semi-Final X-Sect.

Sta.

5-A

4-A

T.P.

3-A

T.P.

2-A

1+50-A

# Project 88-C Semi-Final X-Sept.

3

30.8 29.6 27.3 27.5 30.6 30.5 30.2 25.1 21.5

$\frac{12}{33}$   $\frac{5.4}{31}$   $\frac{2.7}{27}$   $\frac{7.5}{22}$   $\frac{4.4}{12}$   $\frac{4.5}{15}$   $\frac{4.8}{14}$   $\frac{9.9}{29}$   $\frac{10.5}{32}$

34.2 31.5 31.6 34.5 34.3 33.6 29.6 29.3

$\frac{0.8}{30.5}$   $\frac{3.5}{27}$   $\frac{3.4}{23}$   $\frac{0.5}{13}$   $\frac{0.7}{15}$   $\frac{1.4}{15}$   $\frac{5.4}{25}$   $\frac{5.7}{28}$

B.S.

H.I.

F.S.

Elev.

0.45

2535.01

11.55

2534.56

Nail in F.P.R. Sta. 3+15

41.9 36.5 36.9 39.3 38.8 38.2 35.7 35.3

$\frac{4.2}{30}$   $\frac{9.6}{24}$   $\frac{9.2}{19}$   $\frac{6.8}{12}$   $\frac{7.3}{13}$   $\frac{7.9}{16}$   $\frac{10.4}{23}$   $\frac{10.8}{31}$

B.S.

H.I.

F.S.

Elev.

1.10

2546.11

4.74

2545.01

Nail in F.P.R. Sta. 1+95

49.8 42.2 42.4 43.9 43.5 43.2 41.7 41.2 41.9 42.2

$\frac{5.0}{32}$   $\frac{12.6}{23}$   $\frac{12.4}{19}$   $\frac{10.9}{13}$   $\frac{11.3}{13}$   $\frac{11.6}{13}$   $\frac{13.1}{19}$   $\frac{13.6}{23}$   $\frac{12.9}{26}$   $\frac{12.6}{28}$

53.2 44.1 44.3 45.6 45.7 45.1 43.8 43.3 46.2

$\frac{1.6}{32}$   $\frac{10.7}{22}$   $\frac{10.5}{18}$   $\frac{9.2}{12}$   $\frac{9.1}{13}$   $\frac{9.7}{13}$   $\frac{11.0}{18}$   $\frac{11.5}{23}$   $\frac{8.6}{26}$

Project 88-C Sem-Final X-Sect.

Sta.

8-A

+25-A

7-A

+80-A

6+40-A

T.P.

6-A



# Project 88-C Semi-Final X-Section.

4

22.5 21.3 21.5 25.0 25.0 24.7 20.9 20.9

$\frac{8.0}{2.8}$   $\frac{9.2}{2.7}$   $\frac{9.0}{2.2}$   $\frac{5.5}{11.5}$   $\frac{5.5}{11}$   $\frac{5.8}{1.9}$   $\frac{9.6}{1.9}$   $\frac{10.1}{2.1}$

23.8 22.4 21.9 23.1 25.8 25.7 25.0 20.5 20.2

$\frac{6.7}{2.9}$   $\frac{8.1}{2.8}$   $\frac{8.6}{2.4}$   $\frac{7.4}{1.9}$   $\frac{4.7}{1.1}$   $\frac{4.8}{1.3}$   $\frac{5.5}{2.1}$   $\frac{10.0}{2.1}$   $\frac{10.3}{2.3}$

24.3 22.9 22.4 22.9 26.0 26.0 25.5 22.2 20.8

$\frac{6.2}{29.5}$   $\frac{7.6}{2.8}$   $\frac{8.1}{2.6}$   $\frac{7.6}{2.0}$   $\frac{4.5}{1.7}$   $\frac{4.5}{1.4}$   $\frac{5.0}{2.1}$   $\frac{8.3}{2.1}$   $\frac{9.7}{2.6}$

25.2 23.0 23.3 26.1 26.5 25.8 21.4

$\frac{5.3}{3.0}$   $\frac{7.5}{2.7}$   $\frac{7.2}{2.2}$   $\frac{4.4}{1.2}$   $\frac{4.0}{1.3}$   $\frac{4.7}{2.5}$   $\frac{9.1}{2.5}$

25.5 23.6 21.0 21.1 21.0 26.2 21.3 21.2

$\frac{5.0}{29.5}$   $\frac{6.9}{2.7}$   $\frac{6.5}{2.2}$   $\frac{3.4}{1.2}$   $\frac{3.5}{1.3}$   $\frac{4.3}{2.5}$   $\frac{9.2}{2.5}$   $\frac{9.3}{2.7}$

B.S.

6.93

H.I.

2530.45

F.S.

11.49

Elev.

2523.52

26.8 26.4 24.1 24.4 27.8 27.6 27.1 22.5 22.3

$\frac{8.2}{3.2}$   $\frac{8.6}{3.1}$   $\frac{10.9}{2.8}$   $\frac{10.6}{2.3}$   $\frac{7.2}{1.3}$   $\frac{7.4}{1.3}$   $\frac{7.9}{2.5}$   $\frac{12.5}{2.5}$   $\frac{12.7}{2.8}$

Project 88-C Semi-Final X-Section.

Sta.  
T.P.

11-A

+27-A

+12-A

10-A

9-A

8+70-A

# Project 88-C Semi-Final X-Section:

B.S.

H.I.

F.S.

Elev.

5

8.48

2534.94

4.35

2526.10

Nail in T.P. # 3127 L.

243 230 231 261 265 260 244 219 222 221 218 222 228 225 230

$\frac{6.2}{30}$   $\frac{7.5}{27}$   $\frac{7.9}{23}$   $\frac{9.4}{13}$   $\frac{4.0}{12}$   $\frac{4.5}{20}$   $\frac{6.1}{27}$   $\frac{8.6}{35}$   $\frac{8.3}{41}$   $\frac{8.4}{50}$   $\frac{8.7}{51}$   $\frac{8.3}{59}$   $\frac{7.7}{74}$   $\frac{8.0}{75}$

249 227 222 230 261 263 255 221 216 219 220 220 224

$\frac{5.6}{31}$   $\frac{7.8}{29}$   $\frac{8.3}{27}$   $\frac{7.5}{23}$   $\frac{4.4}{18}$   $\frac{4.2}{13}$   $\frac{5.0}{23}$   $\frac{8.4}{32}$   $\frac{8.9}{45}$   $\frac{8.6}{58}$   $\frac{8.5}{75}$   $\frac{8.1}{76}$

239 226 222 223 259 261 253 220 217 228

$\frac{6.6}{30}$   $\frac{7.9}{29}$   $\frac{8.3}{27}$   $\frac{8.2}{25}$   $\frac{4.6}{13}$   $\frac{4.4}{13}$   $\frac{5.2}{23}$   $\frac{8.5}{23}$   $\frac{8.8}{27}$   $\frac{7.7}{36}$

248 225 220 227 256 260 253 220 213 222 230

$\frac{5.7}{32}$   $\frac{8.0}{29}$   $\frac{8.5}{27}$   $\frac{7.8}{22}$   $\frac{4.9}{13}$   $\frac{4.5}{13}$   $\frac{5.2}{22}$   $\frac{8.5}{26}$   $\frac{9.2}{31}$   $\frac{8.3}{32}$   $\frac{7.5}{32}$

226 209 215 246 249 242 221

$\frac{6.9}{30}$   $\frac{9.6}{21.5}$   $\frac{9.0}{22}$   $\frac{5.9}{13}$   $\frac{5.6}{15}$   $\frac{6.2}{15}$   $\frac{8.4}{23}$

246 208 217 247 248 240 208

$\frac{5.9}{34}$   $\frac{9.7}{29}$   $\frac{8.8}{23}$   $\frac{5.8}{13}$   $\frac{5.7}{13}$   $\frac{6.5}{13}$   $\frac{9.7}{22}$

Project 88-C Semi-Final X-Section

Sta.

12+85-A

+75-A

+30-A

+08-A

12-A

11+95-A

11+50-A

# Project 88-C Semi-Final X- Sect.

6

280 246 23.9 261 29.5 29.5 29.1 23.4 25.1 26.1 24.9 24.5

$\frac{6.9}{33}$   $\frac{10.3}{29}$   $\frac{11.0}{25}$   $\frac{8.8}{17}$   $\frac{5.4}{10}$   $\frac{5.4}{10}$   $\frac{5.8}{10}$   $\frac{10.6}{23}$   $\frac{9.8}{30}$   $\frac{8.8}{33}$   $\frac{10.0}{45}$   $\frac{10.4}{66}$

27.6 25.6 24.6 24.0 24.4 28.9 29.2 28.8 24.1 24.6 24.4 23.3 23.9 23.7 24.2

$\frac{7.3}{32}$   $\frac{9.3}{30}$   $\frac{10.3}{29}$   $\frac{10.9}{27}$   $\frac{10.5}{21}$   $\frac{6.0}{10}$   $\frac{5.7}{10}$   $\frac{6.1}{24}$   $\frac{10.8}{33}$   $\frac{10.3}{42}$   $\frac{10.5}{58}$   $\frac{11.6}{60}$   $\frac{11.0}{65}$   $\frac{11.2}{66}$   $\frac{10.7}{66}$

27.2 24.3 23.8 24.3 28.1 28.2 27.8 23.0 23.3 22.8 22.9 22.5 23.2 22.9 23.5

$\frac{7.7}{31}$   $\frac{10.6}{28}$   $\frac{11.1}{24}$   $\frac{10.6}{21}$   $\frac{6.8}{10}$   $\frac{6.7}{12}$   $\frac{7.1}{27}$   $\frac{11.9}{36}$   $\frac{11.6}{47}$   $\frac{12.1}{54}$   $\frac{12.0}{62}$   $\frac{12.4}{63}$   $\frac{11.7}{67}$   $\frac{12.0}{67}$   $\frac{11.4}{68}$

26.7 26.3 26.5 27.6 27.6 27.1 24.9 24.6 22.9 22.8 22.2 23.0 22.9 23.4

$\frac{8.2}{33}$   $\frac{8.6}{25}$   $\frac{8.4}{15}$   $\frac{7.3}{10}$   $\frac{7.3}{12}$   $\frac{7.8}{19}$   $\frac{10.0}{22}$   $\frac{10.3}{28}$   $\frac{12.0}{45}$   $\frac{12.1}{62}$   $\frac{12.7}{63}$   $\frac{11.9}{67}$   $\frac{12.0}{67}$   $\frac{11.5}{68}$

26.7 26.3 26.5 27.6 27.6 27.1 24.9 24.6 22.9 22.8 22.2 23.0 22.9 23.4

$\frac{8.2}{33}$   $\frac{8.6}{25}$   $\frac{8.4}{15}$   $\frac{7.3}{10}$   $\frac{7.3}{12}$   $\frac{7.8}{19}$   $\frac{10.0}{22}$   $\frac{10.3}{28}$   $\frac{12.0}{45}$   $\frac{12.1}{62}$   $\frac{12.7}{63}$   $\frac{11.9}{67}$   $\frac{12.0}{67}$   $\frac{11.5}{68}$

26.6 26.3 26.5 27.4 27.5 27.1 24.9 24.6 22.9 22.8 22.2 23.0 22.9 23.4

$\frac{8.3}{33}$   $\frac{8.6}{25}$   $\frac{8.4}{15}$   $\frac{7.5}{11}$   $\frac{7.4}{12}$   $\frac{7.8}{19}$   $\frac{10.0}{23}$   $\frac{10.3}{28}$   $\frac{12.0}{45}$   $\frac{12.1}{62}$   $\frac{12.7}{63}$   $\frac{11.9}{67}$   $\frac{12.0}{67}$   $\frac{11.5}{68}$

22.9

$\frac{12.0}{69}$

26.4 24.3 24.0 26.2 26.8 26.9 26.3 22.1 22.2 21.9 22.4 22.0 22.7 22.6

$\frac{8.5}{31}$   $\frac{10.6}{29}$   $\frac{10.9}{22}$   $\frac{8.7}{14}$   $\frac{8.1}{9}$   $\frac{8.0}{13}$   $\frac{8.6}{28}$   $\frac{12.8}{37}$   $\frac{12.7}{50}$   $\frac{13.0}{51}$   $\frac{12.5}{63}$   $\frac{12.9}{64}$   $\frac{12.2}{67}$   $\frac{12.3}{67}$

Project 88-C Sem.-Final X-Sect.

Sta.

14-A

+80-A

+63-A

+55-A

+35-A

13+25-A

13-A

# Project 88-C Semi Final X-Sect.

7

29.1 26.7 26.8 29.6 29.9 29.9 25.3 25.4 26.7 27.1

$\frac{5.8}{30}$   $\frac{8.2}{26}$   $\frac{8.1}{19}$   $\frac{5.3}{12}$  5.0  $\frac{5.0}{11.5}$   $\frac{9.6}{21}$   $\frac{9.5}{26}$   $\frac{8.2}{28}$   $\frac{7.8}{30}$

29.3 28.3 28.0 29.9 30.1 29.7 26.7 26.1

$\frac{5.6}{2.7}$   $\frac{6.6}{24}$   $\frac{6.9}{18}$   $\frac{5.0}{12}$  4.5  $\frac{5.2}{11}$   $\frac{8.2}{19}$   $\frac{8.8}{27}$

26.6 30.2 30.5 30.2 28.0

$\frac{8.3}{14}$   $\frac{4.7}{11}$  4.4  $\frac{4.7}{12}$   $\frac{6.9}{13}$

28.4 28.2 27.7 30.2 30.5 29.9 27.1

$\frac{6.5}{27}$   $\frac{6.7}{21}$   $\frac{7.2}{16}$   $\frac{4.7}{10}$  4.4  $\frac{5.0}{11}$   $\frac{7.8}{13}$

28.8 26.3 26.7 30.1 30.3 29.9 27.1 27.3

$\frac{6.1}{31}$   $\frac{8.6}{28}$   $\frac{8.2}{24}$   $\frac{4.8}{12}$  4.6  $\frac{5.0}{11}$   $\frac{7.8}{19}$   $\frac{7.6}{22}$

28.3 25.0 24.8 25.9 30.1 30.1 29.9 26.5 25.9 25.7 26.9

$\frac{6.6}{31}$   $\frac{9.9}{28}$   $\frac{10.1}{25}$   $\frac{9.0}{21}$   $\frac{4.8}{11}$  4.8  $\frac{5.0}{11}$   $\frac{8.4}{19}$   $\frac{9.0}{23}$   $\frac{9.2}{29}$   $\frac{8.0}{30}$

27.7 24.6 24.2 25.4 29.3 29.9 29.2 25.5 24.9 24.8 26.4

$\frac{7.2}{33}$   $\frac{10.3}{29}$   $\frac{10.7}{24}$   $\frac{9.5}{19}$   $\frac{5.6}{11}$  5.0  $\frac{5.7}{12}$   $\frac{9.4}{21}$   $\frac{10.0}{24}$   $\frac{10.1}{30}$   $\frac{8.5}{32}$



Project 88-C Semi-Final X-Sect.

Sta.

19-A

18-A

17-A

T.P.

16-A

15-A

14+40-A



# Project 88-C Semi-Final X-Sect.

8

24.8 22.6 22.8 25.4 25.6 25.1 21.9 21.3 23.8

$\frac{5.9}{31} \quad \frac{2.1}{26} \quad \frac{7.9}{22} \quad \frac{5.3}{12} \quad 5.1 \quad \frac{5.6}{12} \quad \frac{8.8}{22} \quad \frac{9.4}{27} \quad \frac{6.3}{30.5}$

25.7 25.2 22.9 23.0 26.2 26.1 25.5 22.2 21.9 24.6

$\frac{5.0}{32} \quad \frac{5.5}{31} \quad \frac{7.8}{27} \quad \frac{7.7}{22} \quad \frac{4.5}{12} \quad 4.6 \quad \frac{5.2}{12} \quad \frac{8.5}{22} \quad \frac{8.8}{26} \quad \frac{6.1}{30}$

26.1 25.6 24.3 23.6 23.5 26.4 26.5 25.9 22.6 22.4 24.7

$\frac{7.6}{31} \quad \frac{5.1}{30} \quad \frac{6.4}{29} \quad \frac{7.1}{26} \quad \frac{7.2}{21} \quad \frac{4.3}{12} \quad 4.2 \quad \frac{4.8}{12} \quad \frac{8.1}{21} \quad \frac{8.3}{25} \quad \frac{6.0}{30}$

B.S.

H.I.

F.S.

Elev.

3.84

2530.71

8.07

2526.87

Nail in T.P. #3123 L. Sta. 16+05

26.5 25.9 24.5 24.2 24.4 27.6 27.4 26.8 23.7 23.5 25.6

$\frac{8.4}{31} \quad \frac{9.0}{30} \quad \frac{10.4}{28} \quad \frac{10.7}{24} \quad \frac{10.5}{21} \quad \frac{7.3}{11} \quad 7.5 \quad \frac{8.1}{12} \quad \frac{11.2}{22} \quad \frac{11.4}{27} \quad \frac{9.3}{30}$

27.3 24.3 24.6 28.3 28.5 27.5 23.9 23.8 25.9

$\frac{7.6}{33} \quad \frac{10.6}{29} \quad \frac{10.3}{23} \quad \frac{6.6}{13} \quad 6.6 \quad \frac{7.4}{12} \quad \frac{11.0}{24} \quad \frac{11.1}{28} \quad \frac{9.0}{31}$

28.4 25.4 25.1 28.9 29.0 28.7 24.2 24.1 25.3 25.3

$\frac{6.5}{32} \quad \frac{9.5}{27} \quad \frac{9.8}{22} \quad \frac{6.0}{11.5} \quad 5.9 \quad \frac{6.2}{11} \quad \frac{10.7}{23} \quad \frac{10.8}{28} \quad \frac{9.6}{30} \quad \frac{9.6}{32}$

Project 88-C Semi-Final X-Section.

Stor.

25-A

24-A

23-A

22-A

T.P.

21-A

20-A

# Project 88-C Sem-Final X-Sect.

9

27.4 25.0 25.6 28.5 28.5 28.2 24.5 24.1 24.6 25.9

$\frac{1.2}{33} \frac{6.6}{28.5} \frac{6.0}{27} \frac{3.1}{13} \frac{3.1}{11} \frac{2.4}{23} \frac{7.1}{27} \frac{7.5}{27} \frac{7.0}{29} \frac{5.7}{32}$

26.0 25.5 23.8 23.8 24.1 27.5 27.4 26.9 22.6 22.2 24.1

$\frac{5.6}{31} \frac{6.1}{30} \frac{7.8}{27} \frac{7.8}{24} \frac{7.5}{22} \frac{4.1}{14} \frac{4.2}{10} \frac{4.7}{10} \frac{9.0}{23} \frac{9.4}{27} \frac{7.5}{31.5}$

24.7 22.6 22.7 26.0 26.2 25.8 21.6 21.1 21.4 23.2

$\frac{6.9}{32} \frac{9.0}{28} \frac{8.9}{23} \frac{5.6}{13} \frac{5.4}{9} \frac{5.8}{9} \frac{10.0}{22} \frac{10.5}{27} \frac{10.2}{29} \frac{8.4}{31.5}$

24.2 22.0 21.8 21.9 22.7 25.7 26.1 26.0 22.3 20.8 20.6 21.8

$\frac{7.4}{31.5} \frac{9.6}{29} \frac{9.8}{27} \frac{9.7}{23} \frac{8.9}{20} \frac{5.9}{12} \frac{5.5}{9} \frac{5.6}{18} \frac{9.3}{24} \frac{10.8}{28} \frac{11.0}{30} \frac{9.8}{30}$

B.S.

H.I.

F.S.

Elev.

6.94

2531.62

6.03

2524.68

23.9 22.1 24.5 22.2 23.3 25.7 25.8 25.3 22.3 24.5 24.5 23.4

$\frac{6.8}{34} \frac{8.6}{29} \frac{9.2}{27} \frac{8.5}{22} \frac{7.4}{17} \frac{5.0}{11} \frac{4.9}{10} \frac{5.4}{18} \frac{8.4}{25} \frac{10.2}{27} \frac{10.2}{27} \frac{7.3}{31}$

24.5 21.8 21.7 22.2 25.2 25.5 24.9 21.9 20.8 23.5

$\frac{6.2}{32} \frac{8.9}{28} \frac{9.0}{25} \frac{8.5}{22} \frac{5.5}{12} \frac{5.2}{12} \frac{5.8}{20} \frac{8.8}{27} \frac{9.9}{27} \frac{7.2}{32}$

# Project 88-C Semi-Final X-Sect.

Sta.

28-A

27+50-A

27-A

T.P.

Equation

$$\downarrow \underline{26+18-A = 26+00-A} \uparrow$$

26-A

T.P.

# Project 88-C Semi-Final X-Section

10

34.9 39.0 39.3 39.5 38.9 37.9 32.7

$\frac{8.5}{19}$   $\frac{4.4}{12}$   $\frac{4.1}{10}$   $\frac{4.1}{12}$   $\frac{1.5}{12}$   $\frac{5.5}{14}$   $\frac{10.7}{22}$

32.8 35.6 36.5 36.5 36.4 31.5 31.2

$\frac{10.6}{21}$   $\frac{7.8}{14.5}$   $\frac{6.9}{11}$   $\frac{6.9}{9}$   $\frac{7.0}{9}$   $\frac{11.9}{18}$   $\frac{12.2}{25}$

32.0 30.4 31.1 33.3 34.3 34.4 34.2 33.2 30.4

$\frac{11.4}{34}$   $\frac{13.0}{30}$   $\frac{12.3}{25}$   $\frac{10.1}{18}$   $\frac{9.1}{6}$   $\frac{9.0}{8}$   $\frac{9.2}{8}$   $\frac{10.2}{12}$   $\frac{13.0}{17}$

B.S.

H.I.

F.S.

Elev.

6.97

2543.36

2.75

2536.39

Spike in T.P. # 3113 L. Sta. 28+10

29.6 28.0 27.1 27.4 28.1 31.2 31.4 31.2 28.0 27.4 27.4

$\frac{10.5}{32}$   $\frac{11.1}{31}$   $\frac{12.0}{28}$   $\frac{11.7}{23}$   $\frac{11.0}{20}$   $\frac{7.9}{12}$   $\frac{7.7}{10}$   $\frac{7.9}{10}$   $\frac{11.1}{17}$   $\frac{11.7}{25}$   $\frac{9.7}{24}$

28.7 27.8 26.6 26.9 30.7 30.8 30.3 27.5 26.6 26.8 27.6

$\frac{10.4}{31}$   $\frac{11.3}{31}$   $\frac{12.5}{29}$   $\frac{12.2}{22}$   $\frac{8.1}{18}$   $\frac{8.3}{18}$   $\frac{8.8}{10}$   $\frac{11.6}{17}$   $\frac{12.5}{22}$   $\frac{12.3}{27}$   $\frac{9.5}{29}$

B.S.

H.I.

F.S.

Elev.

10.74

2539.14

3.22

2528.40

Nail in T.P. # 3116 L. Sta. 25+15

# Project 88-C Semi-Final X-Sect.

Sta.  
+50-A

30-A

|      |       |         |      |         |
|------|-------|---------|------|---------|
| T.P. | 12.00 | 2556.24 | 3.74 | 2544.24 |
|------|-------|---------|------|---------|

29+50-A

29-A

|      |       |         |      |         |
|------|-------|---------|------|---------|
| T.P. | 11.59 | 2547.98 | 6.97 | 2536.39 |
|------|-------|---------|------|---------|

29-A

28+80-A

# Project 88-C Semi-Final X-Sect.

//

52.7 52.0 49.7 50.4 51.2 51.5 51.2 52.6 52.3 51.1

$\frac{3.5}{24}$   $\frac{6.2}{20}$   $\frac{6.5}{19}$   $\frac{5.8}{14.5}$   $\frac{5.0}{12}$  4.7  $\frac{5.0}{12.5}$   $\frac{5.6}{14}$   $\frac{5.9}{18}$   $\frac{2.1}{25}$

48.9 47.4 47.3 47.9 48.7 48.8 48.9 48.1 47.6 48.2 52.2 52.6

$\frac{7.3}{22}$   $\frac{8.8}{20}$   $\frac{8.9}{18}$   $\frac{8.3}{15}$   $\frac{7.5}{12}$  7.4  $\frac{7.3}{13}$   $\frac{8.1}{15}$   $\frac{8.6}{19}$   $\frac{8.0}{21}$   $\frac{4.0}{28}$   $\frac{3.6}{29}$

Nail in T.P. # 3112

45.1 44.8 45.0 46.3 46.4 46.2 45.7 45.5 46.6 48.0

$\frac{2.9}{21}$   $\frac{3.2}{19}$   $\frac{3.0}{16.5}$   $\frac{1.7}{11}$  1.6  $\frac{1.8}{12}$   $\frac{2.3}{16}$   $\frac{2.5}{20.5}$   $\frac{1.4}{24}$   $\frac{0.0}{30}$

43.7

4.3

Spike in T.P. # 3113 L. Sta. 28+10

39.3 40.0 43.1 43.4 41.7 41.5 41.3

$\frac{4.1}{21}$   $\frac{3.4}{18.5}$   $\frac{0.3}{12}$   $\frac{0.0}{11}$   $\frac{1.7}{17}$   $\frac{1.9}{22}$   $\frac{2.1}{30}$

36.8 41.2 42.3 42.5 42.4 41.1 39.8 37.9

$\frac{6.6}{23}$   $\frac{2.2}{14}$   $\frac{1.1}{11}$  0.9  $\frac{1.0}{12}$   $\frac{2.3}{21}$   $\frac{3.6}{34}$   $\frac{5.5}{36}$

## Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I.    | I.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 3.51 | 2560.99 | 6.15 | 2557.48 |

April 30, 1923

Weather: Bright, Warm, Windy

A.L. Ogle,  $\pi$ 

33-A E.P. Clements, Rod

32-A

31+50-A

31-A

30+50-A

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 9.13 | 2563.63 | 1.74 | 2554.50 |
|------|------|---------|------|---------|

2556.29



Nail Top Hub L. Sta. 32

|             |             |           |           |           |           |      |             |           |             |           |             |
|-------------|-------------|-----------|-----------|-----------|-----------|------|-------------|-----------|-------------|-----------|-------------|
| 59.1        | 55.6        | 54.7      | 53.6      | 51.8      | 51.9      | 52.1 | 52.0        | 52.6      | 53.3        | 55.8      | 58.0        |
| 4.5         | 8.0         | 8.9       | 10.0      | 11.8      | 11.7      | 11.5 | 11.6        | 11.0      | 10.3        | 7.8       | 5.6         |
| <u>31.5</u> | <u>28.5</u> | <u>26</u> | <u>25</u> | <u>21</u> | <u>13</u> |      | <u>16.5</u> | <u>19</u> | <u>23.5</u> | <u>27</u> | <u>30.5</u> |

|             |           |           |           |      |             |           |           |           |           |
|-------------|-----------|-----------|-----------|------|-------------|-----------|-----------|-----------|-----------|
| 54.8        | 53.8      | 53.5      | 54.6      | 54.9 | 55.1        | 54.1      | 53.6      | 60.3      | 60.7      |
| 5.2         | 9.8       | 10.1      | 9.0       | 8.7  | 8.5         | 9.5       | 10.0      | 3.3       | 2.9       |
| <u>28.5</u> | <u>22</u> | <u>20</u> | <u>13</u> |      | <u>13.5</u> | <u>16</u> | <u>20</u> | <u>30</u> | <u>31</u> |

|           |           |           |           |      |             |           |             |           |             |
|-----------|-----------|-----------|-----------|------|-------------|-----------|-------------|-----------|-------------|
| 54.1      | 53.6      | 53.7      | 54.6      | 54.6 | 54.5        | 53.7      | 53.0        | 53.5      | 59.3        |
| 6.5       | 10.0      | 9.9       | 9.0       | 9.0  | 9.1         | 9.9       | 10.6        | 10.1      | 4.3         |
| <u>26</u> | <u>21</u> | <u>18</u> | <u>14</u> |      | <u>13.5</u> | <u>15</u> | <u>19.5</u> | <u>21</u> | <u>30.5</u> |

|           |           |           |           |             |      |           |           |           |             |           |
|-----------|-----------|-----------|-----------|-------------|------|-----------|-----------|-----------|-------------|-----------|
| 55.1      | 53.2      | 51.9      | 51.9      | 53.1        | 53.2 | 53.2      | 52.4      | 52.1      | 56.2        | 58.1      |
| 8.5       | 10.4      | 11.7      | 11.7      | 10.5        | 10.4 | 10.4      | 11.2      | 11.5      | 7.4         | 5.5       |
| <u>25</u> | <u>22</u> | <u>20</u> | <u>18</u> | <u>12.5</u> |      | <u>13</u> | <u>15</u> | <u>20</u> | <u>27.5</u> | <u>30</u> |

|           |             |
|-----------|-------------|
| 56.5      | 59.1        |
| 7.1       | 6.5         |
| <u>29</u> | <u>31.5</u> |

Nail in T.P. # 2111 L. Sta. 30+80

## Project 88-C Semi-Final X-Section

Sta.

B.S.

H.I.

F.S.

Elev.

35-A

34+50-A

34-A

T.P.

0.57

2551.60

9.96

2551.03

35-A

34+50-A

34-A

2560.99

# Project 88-C Semi-Final X-Section

13

452 440 410 412 425 426 424 410 408

$\frac{6.4}{31}$   $\frac{7.6}{29}$   $\frac{10.6}{22}$   $\frac{10.4}{18}$   $\frac{9.1}{15}$  9.0  $\frac{9.2}{12}$   $\frac{10.6}{17}$   $\frac{10.8}{20}$

47.8 43.8 43.8 45.4 45.5 45.3 41.1 41.0 44.9

$\frac{3.8}{29}$   $\frac{2.8}{23}$   $\frac{2.8}{19}$   $\frac{6.2}{14}$  6.1  $\frac{6.3}{12}$   $\frac{7.5}{16}$   $\frac{7.6}{19}$   $\frac{6.7}{22}$

46.7 46.6 41.6 41.9 41.5 46.1 46.1

$\frac{4.9}{23}$   $\frac{5.0}{18}$   $\frac{4.0}{14}$  3.7  $\frac{4.1}{12}$   $\frac{5.5}{16}$   $\frac{5.5}{19}$

Nail Top Hulo L. Sta. 35-A

50.9

48.8

$\frac{10.1}{35}$

$\frac{12.2}{33}$

55.6 48.9

52.7

$\frac{5.4}{26}$   $\frac{12.1}{32}$

$\frac{8.3}{33}$

57.6 54.5 50.9

55.1

$\frac{3.4}{27}$   $\frac{6.5}{33}$   $\frac{10.1}{29}$

$\frac{5.9}{33}$

## Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I.    | F.S.  | Elev.   |
|------|------|---------|-------|---------|
| T.P. | 0.33 | 2520.30 | 11.33 | 2529.97 |

37+25-A

37-A

36+50-A

36-A

|      |      |         |       |         |
|------|------|---------|-------|---------|
| T.P. | 1.27 | 2541.30 | 11.57 | 2540.03 |
|------|------|---------|-------|---------|

May 5, 1923

Weather: Partly cloudy, Windy

A.W. Ogles, Jr.

E.P. Clements, Rod

35+50-A

2551.60

Nail Top Hub L. Sta. 36+30-A

$$\begin{array}{r} 29.8 \quad 34.0 \quad 29.1 \\ 11.5 \quad 11.3 \quad 12.2 \\ \hline 12 \quad \quad \quad 14 \end{array}$$

$$\begin{array}{r} 31.0 \quad 31.2 \quad 30.3 \quad 29.2 \\ 10.3 \quad 10.1 \quad 11.0 \quad 14.1 \\ \hline 12 \quad \quad \quad 14 \quad \quad 21 \end{array}$$

$$\begin{array}{r} 30.1 \quad 33.7 \quad 33.9 \quad 33.1 \quad 30.0 \\ 11.2 \quad 7.6 \quad 7.4 \quad 8.2 \quad 11.3 \\ \hline 28 \quad 11 \quad \quad \quad 13 \quad \quad 21 \end{array}$$

$$\begin{array}{r} 35.0 \quad 34.6 \quad 34.9 \quad 36.5 \quad 36.8 \quad 36.2 \quad 31.4 \quad 31.2 \\ 6.3 \quad 6.7 \quad 6.4 \quad 4.8 \quad 4.5 \quad 5.1 \quad 9.9 \quad 10.1 \\ \hline 28 \quad 23 \quad 20 \quad 13 \quad \quad \quad 18 \quad 24 \quad 30 \end{array}$$

Nail in F.P. R. Sta. Sta. 35+60-A

$$\begin{array}{r} 43.6 \quad 40.3 \quad 38.1 \quad 39.6 \quad 39.7 \quad 39.3 \quad 37.9 \quad 37.9 \quad 42.0 \\ 8.0 \quad 11.3 \quad 13.5 \quad 12.0 \quad 11.9 \quad 12.3 \quad 13.7 \quad 13.7 \quad 9.6 \\ \hline 34 \quad 30 \quad 23 \quad 16 \quad \quad \quad 13 \quad 17 \quad 21 \quad 27 \end{array}$$

## Project 88-C Semi-Final X-Section

| Sta.    | B.S. | H.I. | F.S. | Elev. |
|---------|------|------|------|-------|
| 40-A    |      |      |      |       |
| 39-A    |      |      |      |       |
| 38-A    |      |      |      |       |
| 37+70-A |      |      |      |       |
| 37+25-A |      |      |      |       |
| 37-A    |      |      |      |       |
| 36+50-A |      |      |      |       |

# Project 88-C Semi-Final X-Sect.

15

19.2 20.1 22.9 23.3 22.7 20.1 19.5 19.2

$\frac{11.1}{19}$   $\frac{10.2}{16}$   $\frac{7.4}{11}$  7.0  $\frac{7.6}{12}$   $\frac{10.2}{17}$   $\frac{10.8}{20}$   $\frac{11.1}{27}$

19.1 19.4 22.3 24.4 24.9 24.0 20.1 19.5 19.4

$\frac{11.2}{25}$   $\frac{10.9}{21.5}$   $\frac{8.0}{16}$   $\frac{5.9}{11}$  5.4  $\frac{6.3}{12}$   $\frac{10.2}{19}$   $\frac{10.8}{22}$   $\frac{10.9}{27}$

18.6 19.6 23.6 27.3 27.3 26.6 20.1 19.1 18.9

$\frac{11.7}{31}$   $\frac{10.7}{27}$   $\frac{6.7}{18}$   $\frac{3.0}{9}$  3.0  $\frac{3.7}{13}$   $\frac{10.2}{24}$   $\frac{11.2}{27}$   $\frac{11.4}{30}$

19.1 21.0 25.7 28.2 28.3 27.7 23.4 19.0 18.8

$\frac{11.2}{35}$   $\frac{9.3}{27}$   $\frac{4.6}{18}$   $\frac{2.1}{10}$  2.0  $\frac{2.6}{14}$   $\frac{6.9}{22.5}$   $\frac{11.3}{30}$   $\frac{11.5}{33}$

19.3 18.5 22.8 21.1

27.6 20.7 18.9

$\frac{13.0}{40}$   $\frac{11.8}{34}$   $\frac{7.5}{28}$   $\frac{3.2}{19}$

$\frac{2.7}{18}$   $\frac{9.6}{25}$   $\frac{11.4}{31}$

18.9 19.5 28.5

26.1 21.1 20.3

$\frac{11.4}{40}$   $\frac{10.8}{37}$   $\frac{1.8}{19}$

$\frac{4.2}{25}$   $\frac{9.2}{32}$   $\frac{10.0}{33}$

25.1 25.3

24.3 22.7

$\frac{5.2}{33}$   $\frac{5.0}{31}$

$\frac{6.0}{31}$   $\frac{6.6}{33}$

## Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

45-A

44+40-A

10.44

2517.15

44-A

43-A

42-A

41-A

T.P.

7.77

2527.59

10.48

2519.82

2530.30



# Project 88-C Semi-Final X-Sect.

16

21.3 21.2 21.3 25.7 25.6 25.0 22.5 17.0 16.2

$\frac{6.3}{2.5}$   $\frac{5.4}{2.0}$   $\frac{3.3}{1.5}$   $\frac{1.9}{1.1}$  2.0  $\frac{2.6}{1.3}$   $\frac{5.1}{1.9}$   $\frac{10.6}{2.8}$   $\frac{11.4}{3.1}$

17.7 18.0 22.7 24.0 21.3 23.7 21.1 16.2 15.5

$\frac{9.9}{2.7}$   $\frac{9.6}{2.2}$   $\frac{4.9}{1.5}$   $\frac{3.6}{1.1}$  3.3  $\frac{3.9}{1.4}$   $\frac{6.5}{2.0}$   $\frac{11.4}{2.7}$   $\frac{12.1}{3.1}$

Nail in T.P. # 3101 L. Sta. 43+85

17.0 17.2 23.3 23.5 22.8 17.2 16.3 15.8

$\frac{10.6}{2.5}$   $\frac{10.4}{1.9}$   $\frac{4.3}{1.1}$  4.1  $\frac{4.8}{1.3}$   $\frac{10.4}{2.1}$   $\frac{11.3}{2.3}$   $\frac{11.8}{2.4}$

17.6 18.2 22.2 22.3 21.8 17.7 17.2

$\frac{10.0}{2.1}$   $\frac{9.4}{1.9}$   $\frac{5.4}{1.2}$  5.3  $\frac{5.8}{12.5}$   $\frac{9.9}{1.9}$   $\frac{10.4}{2.1}$

18.3 18.4 19.1 21.4 22.0 21.1 18.5 18.0

$\frac{9.3}{2.7}$   $\frac{9.2}{2.2}$   $\frac{8.5}{1.9}$   $\frac{6.2}{1.2}$  5.6  $\frac{6.5}{1.2}$   $\frac{9.1}{1.9}$   $\frac{9.6}{2.1}$

18.7 19.1 22.2 22.1 21.7 18.8 17.8

$\frac{8.9}{2.1}$   $\frac{8.5}{1.7}$   $\frac{5.4}{1.1}$  5.5  $\frac{5.9}{1.2}$   $\frac{8.8}{1.9}$   $\frac{9.8}{2.1}$

Nail in T.P. # 3133

# Project 88-C Semi-Final X-Section

Sta.

B.S.

Hgt.

F.S.

Elev.

47-A

46+50-A

46-A

T.P.

10.63

2544.09

0.46

2533.46

46+50-A

46-A

45+55-A

T.P.

10.88

2533.92

4.55

2523.04

# Project 88-C Semi-Final X- Sect.

17

41.5 34.2 33.1 33.1 34.2 34.0 33.4 32.0 32.3 31.1

$\frac{2.6}{3.5}$   $\frac{9.9}{2.5}$   $\frac{11.0}{2.3}$   $\frac{11.0}{1.9}$   $\frac{9.9}{1.4}$  10.1  $\frac{10.7}{1.1}$   $\frac{12.1}{1.8}$   $\frac{11.8}{2.0}$   $\frac{13.0}{2.6}$

40.9 39.8

$\frac{3.2}{4.0}$   $\frac{4.3}{3.5}$

37.1

$\frac{7.0}{3.5}$

Nail in F.P. R. Sta. 46+15-A

31.5 30.4 30.3 30.5 31.6 31.5 31.1 30.2 28.6

$\frac{2.4}{2.55}$   $\frac{3.5}{2.5}$   $\frac{3.6}{2.2}$   $\frac{3.4}{1.9}$   $\frac{2.3}{1.4}$  2.4  $\frac{2.8}{1.1}$   $\frac{3.7}{1.5}$   $\frac{5.3}{2.4}$

27.4 28.1 28.2 27.6 27.2 28.6 26.7 25.3

$\frac{4.5}{2.5}$   $\frac{5.8}{2.5}$   $\frac{5.7}{1.8}$   $\frac{4.3}{1.3}$  4.7  $\frac{5.3}{1.0}$   $\frac{7.2}{1.5}$   $\frac{9.6}{2.3}$

30.8 27.9 26.1 25.6 26.1 27.7 27.6 26.6 22.5 21.7

$\frac{3.1}{3.2}$   $\frac{6.0}{3.0}$   $\frac{7.8}{2.6}$   $\frac{8.3}{2.1}$   $\frac{7.8}{1.8}$   $\frac{6.2}{11.5}$  6.3  $\frac{7.3}{1.2}$   $\frac{11.4}{2.0}$   $\frac{12.2}{2.5}$

Nail Top Hub L. Sta. 44+80-A

# Project 88-C Semi-Final X-Section

| Sta.    | B.S.  | H.I.    | F.S. | Elev.   |
|---------|-------|---------|------|---------|
| 47+60-A |       |         |      |         |
| B.M.    | 10.95 | 2550.27 | 4.77 | 2539.32 |
| 49-A    |       |         |      |         |
| 48+75-A |       |         |      |         |
| 48+30-A |       |         |      |         |
| 48-A    |       |         |      |         |
| 47+60-A |       |         |      |         |

# Project 88-C Semi-Final X- Sect.

18

41.9 44.9

$\frac{2.4}{36}$   $\frac{5.1}{34}$

Top Culv. Hdwl. N.W. Cor.

43.9 43.8 43.7 43.0 41.9 41.7 42.3  
 $\frac{0.2}{17}$   $\frac{0.3}{15}$   $\frac{0.4}{13}$   $\frac{1.1}{13}$   $\frac{2.2}{17}$   $\frac{2.4}{20}$   $\frac{1.8}{21}$

42.3 41.5 41.4 42.6 42.3 41.6 37.9 37.9  
 $\frac{1.8}{25}$   $\frac{2.6}{23}$   $\frac{2.7}{18}$   $\frac{1.5}{13}$   $\frac{1.8}{13}$   $\frac{2.5}{11}$   $\frac{4.7}{16.5}$   $\frac{6.2}{18}$

41.3 39.2 39.1 40.2 40.0 39.3 37.9 37.5 38.4 38.0  
 $\frac{2.8}{28}$   $\frac{4.9}{23}$   $\frac{5.0}{19}$   $\frac{3.9}{14}$   $\frac{4.1}{11}$   $\frac{4.8}{18}$   $\frac{6.2}{14}$   $\frac{6.6}{18}$   $\frac{5.7}{20}$   $\frac{6.1}{23}$

38.9 37.8 37.7 37.0 38.6 38.1 36.8 36.4 37.9 36.4  
 $\frac{5.2}{24}$   $\frac{6.3}{22}$   $\frac{6.4}{18}$   $\frac{5.1}{13.5}$   $\frac{5.5}{10.5}$   $\frac{6.0}{15}$   $\frac{7.3}{15}$   $\frac{7.7}{20}$   $\frac{6.2}{22}$   $\frac{7.7}{28}$

39.2 36.3 35.9 37.1 36.8 36.2 35.6 35.5 37.3 36.1  
 $\frac{1.9}{26}$   $\frac{7.8}{22}$   $\frac{8.2}{17}$   $\frac{7.0}{12}$   $\frac{7.3}{13}$   $\frac{7.9}{16}$   $\frac{8.5}{20.5}$   $\frac{8.6}{23}$   $\frac{6.8}{23}$   $\frac{8.0}{27}$

# Project 88-C Semi-Final X-Section

| Sta.    | B.S. | H.I. | F.S. | Elev. |
|---------|------|------|------|-------|
| 50-A    |      |      |      |       |
| 49+50-A |      |      |      |       |
| 49+25-A |      |      |      |       |
| 49-A    |      |      |      |       |
| 48+75-A |      |      |      |       |
| 48+30-A |      |      |      |       |
| 48-A    |      |      |      |       |

# Project 88C Sem1-Final X-Sect.

19

47.2 46.8 47.1 48.0 47.6 47.5 46.0 46.0 46.9

$\frac{3.1}{2.2}$   $\frac{2.5}{2.0}$   $\frac{3.2}{1.7}$   $\frac{2.3}{1.3}$  2.7  $\frac{2.8}{1.0}$   $\frac{4.3}{1.6}$   $\frac{4.3}{1.8}$   $\frac{3.4}{2.1}$

47.6 45.3 44.3 44.8 45.8 45.9 45.4 44.8 44.4 45.0 49.1

$\frac{2.7}{2.6}$   $\frac{5.0}{2.3}$   $\frac{6.0}{2.1}$   $\frac{5.5}{1.5}$   $\frac{4.5}{1.5}$  4.4  $\frac{4.9}{1.2}$   $\frac{5.5}{1.4}$   $\frac{5.9}{1.5}$   $\frac{5.3}{2.5}$   $\frac{1.2}{2.8}$

44.9 43.9 42.9 43.6 44.4 44.8 44.8 44.4 43.4 43.2 43.6 45.8 46.2

$\frac{5.4}{2.5}$   $\frac{6.4}{2.4}$   $\frac{7.4}{2.5}$   $\frac{6.7}{1.7}$   $\frac{5.9}{1.6}$   $\frac{5.5}{1.5}$  5.5  $\frac{5.9}{1.2}$   $\frac{6.9}{1.5}$   $\frac{7.1}{2.0}$   $\frac{6.7}{2.2}$   $\frac{4.5}{2.7}$   $\frac{4.1}{3.3}$

45.7

$\frac{4.6}{3.1}$

45.9 45.6

$\frac{4.4}{3.3}$   $\frac{4.7}{3.1}$

47.5 47.1 44.8

$\frac{2.8}{3.7}$   $\frac{3.2}{3.6}$   $\frac{5.5}{3.5}$

48.5

$\frac{1.8}{3.8}$

# Project 88-C Semi-Final X-Section

Sta.

B.S.

H.I.

F.S.

Elev.

53-A

52+50-A

B.M.

3.58

2558.06

2.69

2554.48

52-A

51-A

50-A

T.P.

8.02

2557.17

1.12

2549.15

2550.27



# Project 88-C Semi-Final X-Sept.

20

547 535 528 521 536 538 539 531 519 516 521  
 $\frac{3.1}{25} \frac{4.6}{25} \frac{5.3}{23} \frac{5.1}{16} \frac{4.5}{11} 4.3 \frac{4.2}{4} \frac{5.0}{12} \frac{6.2}{17} \frac{6.5}{19} \frac{6.0}{21}$

551 532 530 510 541 535 520 518 527  
 $\frac{3.0}{23} \frac{4.9}{21} \frac{5.1}{16} \frac{4.1}{12} 4.0 \frac{4.6}{11} \frac{6.1}{16} \frac{6.3}{20} \frac{5.4}{21}$

Nail Top Hub L. Sta. 52

544 523 526 540 538 537 524 518 536  
 $\frac{2.8}{23} \frac{4.9}{20} \frac{4.6}{15} \frac{3.2}{12} 3.4 \frac{3.5}{10} \frac{4.8}{14.5} \frac{5.4}{19} \frac{3.6}{23}$

539 519 499 503 517 517 512 505 499 510 540  
 $\frac{3.3}{26} \frac{5.3}{23} \frac{7.3}{20} \frac{6.9}{15} \frac{5.5}{11} 5.5 \frac{6.0}{12} \frac{6.7}{13} \frac{7.3}{17} \frac{6.2}{20} \frac{3.2}{25}$

511  
 $\frac{6.1}{27}$

517  
 $\frac{5.5}{28}$

Nail in Tree L. Sta. 48+25

## Project 88-C Semi-Final X-Section

Sta.  
58-A

B.S.

H.I.

F.S.

Elev.

57+30-A

57-A

56-A

55-A

B.M.

51.42

2556.48

2551.06

June 16, 1923

Weather: Partly cloudy, Cool

A.L. Ogle, T

L.M. Wedner, Rod

54-A

J.C. Broadly, Chain

2558.06

# Project 88-C Semi-Final X-Sept.

21

498 488 493 510 510 504 485 495

$\frac{6.7}{25}$   $\frac{7.7}{23}$   $\frac{7.2}{18}$   $\frac{5.5}{13}$   $\frac{5.5}{12}$   $\frac{6.1}{12}$   $\frac{8.0}{18}$   $\frac{9.0}{21}$

497 493 482 513 513 511 481 450

$\frac{8.8}{26}$   $\frac{9.2}{24}$   $\frac{8.3}{18}$   $\frac{5.2}{11}$   $\frac{5.2}{12}$   $\frac{5.4}{12}$   $\frac{8.4}{19}$   $\frac{11.5}{26}$

495 466 466 515 517 512 432 422

$\frac{9.0}{27}$   $\frac{9.9}{25}$   $\frac{9.9}{22}$   $\frac{5.0}{11}$   $\frac{4.8}{11}$   $\frac{5.3}{11}$   $\frac{13.3}{28}$   $\frac{14.3}{30}$

501 493 486 501 519 518 515 495 480

$\frac{6.4}{29}$   $\frac{7.2}{28}$   $\frac{7.9}{22}$   $\frac{6.4}{15}$   $\frac{4.6}{12}$   $\frac{4.7}{12}$   $\frac{5.0}{12}$   $\frac{7.0}{17}$   $\frac{8.5}{22}$

536 510 523 508 527 525 524 507

$\frac{2.9}{29}$   $\frac{5.5}{26}$   $\frac{6.2}{24}$   $\frac{5.7}{18}$   $\frac{3.8}{12}$   $\frac{4.0}{12}$   $\frac{4.1}{12}$   $\frac{5.5}{15}$

Nail Top Hub L. on Fence Line Sta. 58+15

536 505 507 518 532 525 513 511 515

$\frac{4.5}{29}$   $\frac{7.6}{25}$   $\frac{7.4}{22}$   $\frac{5.3}{11}$   $\frac{4.9}{11}$   $\frac{5.6}{13}$   $\frac{6.8}{17}$   $\frac{7.0}{20}$   $\frac{6.6}{21}$

# Project 88-C Semi-Final X-Section

| Sta.<br>B.M. | B.S. | H.I. | F.S. | Elev.   |
|--------------|------|------|------|---------|
|              |      |      | 4.11 | 2551.06 |

60-A

59+30-A

59-A

T.P.

4.11

2555.17

5.42

2551.06

58+50-A

58+35-A

2556.48

Nail Top Hub on Fence line L. Sta. 58+15

|            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 53.8       | 50.7       | 52.0       | 51.6       | 51.1       | 50.8       | 51.2       | 51.3       | 51.1       | 50.6       | 49.1       | 41.3       | 51.2       | 49.7       |
| <u>1.9</u> | <u>2.5</u> | <u>3.2</u> | <u>3.6</u> | <u>4.1</u> | <u>4.4</u> | <u>4.0</u> | <u>3.9</u> | <u>4.1</u> | <u>4.6</u> | <u>6.1</u> | <u>5.9</u> | <u>4.0</u> | <u>5.5</u> |
| 30         | 26         | 24         | 20         | 19         | 14         | 10         |            | 11         | 13         | 18         | 21         | 24         | 30         |

|            |            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 51.8       | 51.4       | 50.1       | 50.2       | 50.4       | 51.0       | 50.8       | 50.5       | 50.1       | 49.3       | 49.2       | 51.4       |
| <u>3.4</u> | <u>3.8</u> | <u>5.1</u> | <u>5.0</u> | <u>4.8</u> | <u>4.2</u> | <u>4.4</u> | <u>4.7</u> | <u>5.1</u> | <u>5.9</u> | <u>6.0</u> | <u>2.8</u> |
| 27         | 23         | 20         | 17         | 16         | 12         |            | 10         | 15         | 18         | 22         | 25         |

|            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 51.9       | 49.7       | 49.6       | 50.7       | 50.6       | 50.4       | 49.3       | 48.9       | 49.5       |
| <u>3.3</u> | <u>5.5</u> | <u>5.6</u> | <u>4.5</u> | <u>4.6</u> | <u>4.8</u> | <u>5.9</u> | <u>6.3</u> | <u>5.7</u> |
| 24         | 21         | 18         | 14         |            | 13         | 15         | 19         | 21         |

Nail Top Hub L. on Fence Line Sta. 58+15

|            |            |            |            |            |            |            |            |             |
|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| 49.9       | 49.0       | 49.8       | 50.7       | 50.6       | 50.3       | 49.4       | 46.8       | 46.2        |
| <u>6.6</u> | <u>7.5</u> | <u>6.7</u> | <u>5.8</u> | <u>5.9</u> | <u>6.2</u> | <u>9.1</u> | <u>9.7</u> | <u>10.3</u> |
| 24         | 22         | 14         | 11         |            | 13         | 18         | 20         | 21          |

|            |            |            |            |            |            |            |            |            |             |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| 50.2       | 49.1       | 49.6       | 50.8       | 50.6       | 50.3       | 49.6       | 49.8       | 46.9       | 46.5        |
| <u>6.3</u> | <u>7.4</u> | <u>6.9</u> | <u>5.7</u> | <u>5.9</u> | <u>6.2</u> | <u>6.9</u> | <u>8.7</u> | <u>9.6</u> | <u>10.0</u> |
| 25         | 22         | 17         | 12         |            | 12         | 15         | 18         | 21         | 22          |

# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

38

+70

37+55

37

36

Equation

$$60 + 20.7 - A = 35 + 39.8$$

B.M.

1.15

2554.45

2553.30

May 28, 1923

Weather: Partly cloudy, Cool

A. L. Ogle, Jr.

F. P. Clements, Rod

# Project 88-C Semi-Final X-Sept.

23

451 446 446 457 462 456 443 442 461

$\frac{9.4}{21}$   $\frac{9.9}{19}$   $\frac{9.9}{17}$   $\frac{8.8}{13}$   $\frac{8.3}{13}$   $\frac{8.9}{13}$   $\frac{10.2}{17}$   $\frac{10.3}{20}$   $\frac{8.4}{23}$

469 454 454 463 468 471 464 454 454 452

$\frac{7.6}{21.5}$   $\frac{9.4}{19}$   $\frac{9.1}{18}$   $\frac{8.2}{14}$   $\frac{7.7}{11.5}$   $\frac{7.4}{13}$   $\frac{8.1}{17}$   $\frac{9.1}{20}$   $\frac{9.3}{26}$

464 459 462 471 475 469 457 456 472

$\frac{8.1}{21}$   $\frac{8.6}{19.5}$   $\frac{8.3}{16}$   $\frac{7.4}{13}$   $\frac{7.0}{13}$   $\frac{7.6}{13.5}$   $\frac{8.8}{16.5}$   $\frac{8.9}{19.5}$   $\frac{7.3}{23}$

479 472 474 483 487 480 467 466 475

$\frac{6.6}{22}$   $\frac{7.3}{19}$   $\frac{7.1}{16.5}$   $\frac{6.2}{14}$   $\frac{5.8}{14}$   $\frac{6.5}{13.5}$   $\frac{7.8}{17.5}$   $\frac{7.9}{20.5}$   $\frac{7.0}{23}$

517 479 487 490 495 500 494 481 480 483 495 490

$\frac{2.8}{24}$   $\frac{4.6}{21}$   $\frac{5.8}{19.5}$   $\frac{5.5}{16}$   $\frac{5.0}{14}$   $\frac{4.5}{15}$   $\frac{5.1}{13}$   $\frac{6.4}{16.5}$   $\frac{6.5}{20}$   $\frac{6.2}{21}$   $\frac{5.0}{23.5}$   $\frac{5.5}{26}$

534 505 501 505 509 506 489 487 507 500

$\frac{1.1}{26}$   $\frac{4.0}{21}$   $\frac{4.4}{18}$   $\frac{4.0}{14}$   $\frac{3.6}{14}$   $\frac{3.9}{12}$   $\frac{5.6}{15.5}$   $\frac{5.8}{20.5}$   $\frac{3.8}{23.5}$   $\frac{4.5}{27}$

Nail in F.P.L. Sta. 36+50

# Project 88-C Semi-Final X-Section

Sta.      B.S.      H.I.      F.S.      Elev.

B.M.

6.81

2542.50

+50

+40

40

39

T.P.

3.70

2549.31

8.84

2545.61

2554.45



Spike in X-Fence Post L. Sta. 40+75

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 37.9 | 37.8 | 39.5 | 39.8 | 39.5 | 38.1 | 37.6 | 38.6 |
| 11.4 | 11.5 | 9.8  | 9.5  | 9.8  | 11.2 | 11.7 | 10.7 |
| 19.5 | 17.5 | 13   |      | 12.5 | 17   | 18.5 | 21.5 |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 38.2 | 35.8 | 38.0 | 38.3 | 39.6 | 40.2 | 39.8 | 38.3 | 37.7 | 38.1 |
| 11.1 | 10.8 | 11.3 | 11.0 | 9.7  | 9.1  | 9.5  | 11.0 | 11.6 | 10.6 |
| 22   | 19.5 | 19   | 16   | 12.5 |      | 12   | 15.5 | 18.5 | 21   |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 39.8 | 39.3 | 39.2 | 39.7 | 40.9 | 41.2 | 40.8 | 39.7 | 38.9 | 39.0 | 40.0 |
| 9.5  | 10.0 | 10.1 | 9.6  | 8.4  | 8.1  | 8.5  | 9.6  | 10.4 | 10.3 | 9.3  |
| 20.5 | 19   | 18   | 15.5 | 12.5 |      | 12.5 | 16   | 17.5 | 19.5 | 21.5 |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 42.4 | 42.3 | 42.7 | 42.7 | 43.8 | 43.3 | 41.9 | 41.9 | 43.2 |
| 6.9  | 7.0  | 6.6  | 5.6  | 5.5  | 6.0  | 7.4  | 7.4  | 6.1  |
| 20   | 19   | 17   | 14   |      | 13.5 | 18   | 19.5 | 22   |

Top Hub R. Sta. 38

## Project 88-C Semi-Final X-Section

Sta.

B.S.

H.I.

F.S.

Elev.

+50

+33

41

B.M.

1.32

2543.77

2542.45

May 25, 1923

Weather:

A.L. Oglesby

E.P. Clements, Rod

# Project 88-C Semi Final X-Sept.

25

41.5 41.2 41.5 41.6

$\frac{2.3}{150}$   $\frac{2.6}{130}$   $\frac{2.3}{100}$   $\frac{2.2}{87}$

41.5 41.0 39.8 39.2 38.9 35.5 35.0 36.3 37.3 37.8 37.2 35.6 35.6 36.1  
 $\frac{2.3}{72}$   $\frac{2.8}{66}$   $\frac{4.0}{63}$   $\frac{4.6}{39}$   $\frac{4.9}{35}$   $\frac{8.3}{27}$   $\frac{8.8}{24}$   $\frac{7.5}{17}$   $\frac{6.5}{14}$   $6.0$   $\frac{6.6}{12}$   $\frac{8.2}{17}$   $\frac{8.2}{20}$   $\frac{7.7}{24}$

41.8 41.6 41.6 41.9

$\frac{2.0}{150}$   $\frac{2.2}{130}$   $\frac{2.2}{100}$   $\frac{1.9}{86}$

Omit this section

41.9 41.3 41.1 40.8 39.8 36.0 35.3 36.2 37.6 38.2 37.7 35.9 36.3 36.1 36.7  
 $\frac{1.9}{67}$   $\frac{2.5}{62}$   $\frac{2.7}{53}$   $\frac{3.0}{40}$   $\frac{4.0}{34}$   $\frac{7.8}{27}$   $\frac{8.5}{24}$   $\frac{7.6}{19}$   $\frac{6.2}{14}$   $5.6$   $\frac{6.1}{12}$   $\frac{8.1}{17}$   $\frac{7.5}{19}$   $\frac{7.7}{21}$   $\frac{7.1}{22}$

Omit  
this sect.

42.1 42.1 42.1 42.3

$\frac{0.7}{150}$   $\frac{0.7}{130}$   $\frac{0.7}{100}$   $\frac{0.5}{90}$

42.9 42.5 42.1 41.4 39.6 37.4 36.2 36.6 38.4 38.9 38.6 36.5 36.4 37.2 37.3 37.9  
 $\frac{0.9}{66}$   $\frac{1.3}{50}$   $\frac{1.7}{37}$   $\frac{2.4}{33}$   $\frac{4.2}{29}$   $\frac{6.4}{25}$   $\frac{7.6}{23}$   $\frac{7.2}{19}$   $\frac{5.1}{13}$   $4.9$   $\frac{5.2}{12}$   $\frac{7.3}{16}$   $\frac{7.4}{18}$   $\frac{6.6}{19}$   $\frac{6.5}{20}$   $\frac{5.9}{22}$

Spike in X-Fence Post W. Sta. 40+75

# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I.    | I.S.  | Elev.   |
|------|------|---------|-------|---------|
| T.P. | 7.01 | 2538.52 | 12.26 | 2531.51 |

43

+ 50

42

2543.77

Top W. Hdwl. Colv.

36.3 35.5 35.0 34.6 34.4 33.6 32.1 32.1

|     |     |     |     |     |      |      |      |
|-----|-----|-----|-----|-----|------|------|------|
| 7.5 | 8.3 | 8.8 | 9.2 | 9.4 | 10.2 | 11.7 | 11.7 |
| 150 | 134 | 115 | 100 | 71  | 64   | 60   | 58   |

32.1 32.3 31.8 31.1 31.7 32.5

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 11.7 | 11.5 | 12.0 | 12.1 | 12.1 | 11.3 |
| 52   | 42   | 30   | 25   | 24   | 23   |

5.5 31.9 31.2 28.6 28.1

|     |     |      |      |      |
|-----|-----|------|------|------|
| 8.3 | 8.9 | 12.6 | 15.2 | 15.4 |
| 13  | 23  | 29   | 32   |      |

38.0 37.8 37.0 36.5 35.6 36.1 36.5 36.3 35.6

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 5.8 | 6.0 | 6.8 | 7.3 | 8.2 | 7.7 | 7.3 | 7.5 | 8.2 |
| 150 | 145 | 133 | 122 | 116 | 111 | 100 | 89  | 73  |

35.0 33.0 32.1 33.3 32.8 32.5 33.3 33.9 35.6 36.0 35.3 33.1 31.1 30.7

|     |      |      |      |      |      |      |     |     |     |     |      |      |      |
|-----|------|------|------|------|------|------|-----|-----|-----|-----|------|------|------|
| 8.8 | 10.8 | 11.7 | 10.5 | 11.0 | 11.3 | 10.5 | 9.9 | 8.2 | 7.8 | 8.5 | 10.7 | 12.7 | 13.1 |
| 65  | 60   | 53   | 43   | 34   | 24   | 23   | 19  | 13  |     | 13  | 19   | 22   | 27   |

40.1 39.7 39.6 38.8 38.2 37.4 35.3

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| 3.7 | 4.1 | 4.2 | 5.0 | 5.6 | 6.4 | 8.5 |
| 150 | 130 | 100 | 77  | 68  | 64  | 60  |

35.1 35.2 35.1 35.4 35.0 34.2 34.7 36.5 36.6 36.2 34.8 33.6

|     |     |     |     |     |     |     |     |     |     |     |      |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 8.7 | 8.6 | 8.7 | 8.4 | 8.8 | 9.6 | 9.1 | 7.3 | 7.2 | 7.6 | 9.0 | 10.2 |
| 56  | 50  | 46  | 42  | 30  | 23  | 19  | 13  |     | 13  | 17  | 21   |

# Project 88-C Sem1 - Final X- Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|    |  |  |  |  |
|----|--|--|--|--|
| 44 |  |  |  |  |
|----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +60 |  |  |  |  |
|-----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +50 |  |  |  |  |
|-----|--|--|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 43+45 |  |  |  |  |
|-------|--|--|--|--|

2538.52

# Project 88-C Semi-Final X-Section

27

30.3 30.1 28.9 28.5 29.1 29.2 32.2 33.0 34.1 34.9 34.4 31.9 31.0

$\frac{8.2}{4.3} \frac{8.4}{3.7} \frac{9.6}{3.1} \frac{10.0}{2.8} \frac{9.4}{2.7} \frac{9.3}{2.6} \frac{6.3}{2.1} \frac{5.5}{1.7} \frac{4.4}{1.3} \frac{3.6}{1.2} \frac{4.1}{1.2} \frac{6.6}{1.9} \frac{7.5}{2.2}$

34.9 34.2 33.7 33.3 32.4

$\frac{3.6}{1.50} \frac{4.3}{1.20} \frac{4.8}{1.00} \frac{5.2}{.69} \frac{6.1}{.61}$

31.0 31.3 31.1 29.8 29.2 29.4 31.7 32.7 34.4 35.1 34.5 33.4 32.8 31.5 28.6 29.9

$\frac{7.5}{5.7} \frac{7.2}{5.0} \frac{7.4}{3.8} \frac{8.7}{3.2} \frac{9.3}{2.9} \frac{9.1}{2.6} \frac{6.8}{2.2} \frac{5.8}{1.9} \frac{4.1}{1.8} \frac{3.4}{1.3} \frac{4.0}{1.3} \frac{5.1}{1.6} \frac{5.7}{1.9} \frac{7.0}{2.3} \frac{7.9}{2.9} \frac{10.6}{3.3}$

34.9 34.4 33.8 33.4

$\frac{3.6}{1.50} \frac{4.1}{1.30} \frac{4.7}{1.00} \frac{5.1}{.69}$

32.5 31.2 31.4 31.3 31.6 29.5 29.8 31.9 34.3 35.1 34.5 32.7 30.8 28.2

$\frac{6.0}{6.2} \frac{7.3}{5.8} \frac{7.1}{3.9} \frac{7.2}{3.6} \frac{6.9}{3.2} \frac{9.0}{2.9} \frac{9.2}{2.5} \frac{6.6}{2.1} \frac{4.2}{1.8} \frac{3.4}{1.3} \frac{4.0}{1.3} \frac{5.8}{1.8} \frac{7.7}{2.5} \frac{10.3}{3.1}$

35.5 34.8 34.2 33.8 33.2 31.7

$\frac{3.0}{1.50} \frac{3.7}{1.30} \frac{4.3}{1.00} \frac{4.7}{.68} \frac{5.3}{.63} \frac{6.8}{.58}$

31.7 32.1 31.9 30.9 30.6 31.8 32.5 32.7 34.8 35.4 34.5 29.6 28.1

$\frac{6.8}{5.2} \frac{6.4}{4.4} \frac{6.6}{3.7} \frac{7.6}{3.1} \frac{7.9}{2.6} \frac{6.7}{2.5} \frac{6.0}{2.2} \frac{5.8}{1.9} \frac{3.7}{1.3} \frac{3.1}{1.3} \frac{4.0}{1.3} \frac{8.9}{2.7} \frac{10.4}{3.0}$



# Project 88-C Semi Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

45+65

+55

45

2538.50



# Project 88-C Semi-Final X-Section

28

35.9 35.6 35.4 35.0 34.1 29.7 29.7

$\frac{2.6}{150} \frac{2.9}{130} \frac{3.1}{100} \frac{3.5}{70} \frac{4.4}{61} \frac{8.8}{55} \frac{8.8}{50}$

30.4 29.9 29.0 29.0 28.0 29.1 29.0 32.4 33.9 34.3 33.6 32.6 32.2 33.0 32.9 33.1 34.5

$\frac{8.1}{40} \frac{8.6}{36} \frac{9.5}{34} \frac{9.5}{31} \frac{10.5}{28} \frac{9.4}{26} \frac{9.5}{24} \frac{5.5}{19} \frac{4.6}{11} \frac{4.2}{11} \frac{4.9}{14} \frac{5.9}{17} \frac{6.3}{22} \frac{5.5}{23} \frac{5.6}{27} \frac{5.1}{29} \frac{4.0}{30}$

35.8 35.4 35.2 34.9 34.0 32.3

$\frac{2.7}{150} \frac{3.1}{130} \frac{3.3}{100} \frac{3.6}{71} \frac{4.5}{61} \frac{6.2}{60}$

29.7 29.8 30.2 29.4 29.2 28.1 29.4 29.0 33.0 33.8 34.3 33.8 32.8 32.4 33.4 33.0 34.4

$\frac{8.8}{56} \frac{8.7}{49} \frac{8.3}{39} \frac{9.1}{35} \frac{9.3}{31} \frac{10.4}{28} \frac{9.1}{26} \frac{9.5}{24} \frac{5.5}{18} \frac{4.7}{13} \frac{4.7}{14} \frac{5.7}{16} \frac{6.1}{20} \frac{5.1}{22} \frac{5.5}{27} \frac{4.1}{31}$

35.0 34.5 34.0 34.0 33.1 30.5 29.4 29.4 29.6

$\frac{3.5}{150} \frac{4.0}{130} \frac{4.5}{100} \frac{4.5}{71} \frac{5.4}{61} \frac{8.0}{57} \frac{9.1}{56} \frac{9.1}{51.5} \frac{8.9}{51}$

30.0 29.0 28.9 28.1 29.1 28.8 32.4 32.3 33.9 34.4 34.1 32.0 32.6 32.0 32.9 33.5

$\frac{8.5}{40} \frac{9.5}{34} \frac{9.6}{31} \frac{10.4}{28} \frac{9.4}{27} \frac{9.7}{25} \frac{6.1}{19} \frac{5.6}{16} \frac{4.6}{14} \frac{4.1}{14} \frac{4.4}{12} \frac{6.5}{19} \frac{5.9}{21} \frac{6.5}{27} \frac{5.6}{30} \frac{5.0}{31}$

34.0 33.3 33.0 31.9 29.7 29.7

$\frac{4.5}{150} \frac{5.2}{100} \frac{5.5}{69} \frac{6.6}{61} \frac{8.8}{56} \frac{8.8}{51}$

# Project 88-C Semi-Final X- Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

47

+25

46

45+90

2528.52

# Project 88-C Semi-Final X-Sect.

29

33.2 32.1 29.9 30.2 30.0 28.7 28.8 30.5 33.3 33.9 33.6 30.1 29.9 32.0

$\frac{5.3}{6.9} \frac{6.4}{5.9} \frac{8.6}{5.5} \frac{8.3}{4.5} \frac{8.5}{3.5} \frac{9.8}{3.1} \frac{9.7}{2.7} \frac{8.0}{2.2} \frac{5.2}{1.2} \frac{4.6}{1.2} \frac{4.9}{2.4} \frac{8.4}{2.4} \frac{8.6}{2.9} \frac{6.5}{3.3}$

35.6 35.2 34.9 34.6 33.6

$\frac{2.9}{1.50} \frac{3.3}{1.30} \frac{3.6}{1.00} \frac{3.9}{.71} \frac{4.9}{.62}$

29.8 29.5 30.2 30.2 29.1 28.6 28.8 31.5 30.7 34.1 33.7 33.0 31.4 31.6 33.3

$\frac{8.7}{5.6} \frac{9.0}{5.0} \frac{8.3}{4.8} \frac{8.3}{3.6} \frac{9.4}{3.3} \frac{9.9}{2.9} \frac{9.7}{2.4} \frac{6.9}{2.1} \frac{4.8}{1.2} \frac{4.4}{1.1} \frac{4.8}{1.1} \frac{5.5}{1.7} \frac{7.1}{2.4} \frac{6.9}{2.9} \frac{5.2}{3.3}$

36.0 35.8 35.6 35.1 34.1

$\frac{2.5}{1.50} \frac{2.7}{1.30} \frac{2.9}{1.00} \frac{3.4}{.71} \frac{4.4}{.62}$

30.0 29.8 30.4 29.0 28.3 29.1 28.8 33.5 34.1 33.8 33.4 32.4 33.2 33.1

$\frac{8.5}{5.6} \frac{8.7}{5.0} \frac{8.1}{4.2} \frac{9.5}{3.1} \frac{10.2}{2.1} \frac{9.4}{2.6} \frac{9.7}{2.4} \frac{5.0}{1.8} \frac{4.4}{1.2} \frac{4.7}{1.2} \frac{5.1}{1.5} \frac{6.1}{1.9} \frac{5.3}{2.3} \frac{5.4}{3.2}$

35.8 35.6 35.3 35.0 34.0 30.0

$\frac{2.7}{1.50} \frac{2.9}{1.30} \frac{3.2}{1.00} \frac{3.5}{.70} \frac{4.5}{.62} \frac{8.5}{.56}$

29.7 30.2 30.3 29.3 29.2 28.1 29.1 28.9 33.1 34.2 34.0 33.4 32.7 32.4 33.2 33.3 34.1

$\frac{8.8}{5.1} \frac{8.3}{4.9} \frac{8.2}{3.7} \frac{9.2}{3.4} \frac{9.3}{3.1} \frac{10.4}{2.9} \frac{9.4}{2.6} \frac{9.6}{2.4} \frac{5.4}{1.9} \frac{4.3}{1.0} \frac{5.1}{1.4} \frac{5.8}{1.7} \frac{6.1}{2.0} \frac{5.3}{2.3} \frac{5.2}{2.8} \frac{4.4}{3.0}$

# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
| 50   |      |      |      |       |

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 7.22 | 2537.47 | 8.27 | 2530.25 |
|------|------|---------|------|---------|

49

48

47

2538.52

# Project 88-C Semi-Final X-Sect.

30

29.0 29.0 29.5 29.1 28.9 29.9 31.8 32.7 33.1 32.7 28.0 29.5 28.2 29.4

$\frac{8.5}{56}$   $\frac{8.5}{52}$   $\frac{8.0}{41}$   $\frac{8.4}{31}$   $\frac{8.6}{26}$   $\frac{7.6}{21}$   $\frac{5.7}{14}$   $\frac{4.8}{12}$  1.4  $\frac{4.8}{12}$   $\frac{9.5}{25}$   $\frac{10.0}{30}$   $\frac{9.3}{31}$   $\frac{8.1}{33}$

Nail in T.P. # 3075  $\frac{1}{2}$

32.3 32.0 31.5 31.1

$\frac{6.2}{150}$   $\frac{6.5}{130}$   $\frac{7.0}{100}$   $\frac{7.4}{66}$

30.0 29.0 29.5 29.8 28.5 29.9 30.0 32.8 33.4 32.8 29.7 29.3 29.1

$\frac{8.5}{57}$   $\frac{9.5}{55}$   $\frac{9.0}{43}$   $\frac{8.7}{31}$   $\frac{10.0}{28}$   $\frac{8.6}{25}$   $\frac{8.5}{20}$   $\frac{5.7}{12}$  5.1  $\frac{5.7}{12}$   $\frac{10.8}{24}$   $\frac{11.2}{30}$   $\frac{9.4}{33}$

32.7 32.5 32.2 31.9 31.3

$\frac{5.8}{150}$   $\frac{6.0}{130}$   $\frac{6.3}{100}$   $\frac{6.6}{72}$   $\frac{7.2}{62}$

29.6 29.9 29.8 28.9 28.2 30.1 30.3 33.2 33.6 33.4 28.5 28.1 30.2

$\frac{8.9}{57}$   $\frac{8.6}{53}$   $\frac{8.7}{37}$   $\frac{9.6}{33}$   $\frac{10.3}{26}$   $\frac{8.4}{24}$   $\frac{8.2}{20}$   $\frac{5.3}{12}$  4.9  $\frac{5.1}{12}$   $\frac{10.0}{29}$   $\frac{10.4}{30}$   $\frac{8.3}{33}$

34.4 34.1 33.6

$\frac{4.1}{150}$   $\frac{4.4}{130}$   $\frac{4.9}{100}$

# Project 88-C Semi-Final X-Section.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

53

52

51

50

2537.47

# Project 88-C Semi-Final X-Section

31

31.6 31.5 31.4 31.1 30.2

$\frac{59}{150}$   $\frac{60}{130}$   $\frac{61}{100}$   $\frac{64}{64}$   $\frac{73}{58}$

29.0 29.0 29.6 29.8 29.2 29.3 29.6 32.1 32.4 32.0 28.0 27.6 28.5 30.3

$\frac{8.5}{56}$   $\frac{8.5}{52}$   $\frac{7.9}{49}$   $\frac{7.7}{36}$   $\frac{8.3}{32}$   $\frac{8.2}{25}$   $\frac{7.9}{20}$   $\frac{5.4}{11}$   $\frac{5.1}{12}$   $\frac{5.5}{25}$   $\frac{9.5}{29}$   $\frac{9.9}{31}$   $\frac{9.0}{31}$   $\frac{7.2}{33}$

32.1 31.5 31.7 31.6 31.3 29.4 29.4 28.6

$\frac{5.4}{150}$   $\frac{5.5}{130}$   $\frac{5.8}{100}$   $\frac{5.9}{89}$   $\frac{6.2}{65}$   $\frac{8.1}{61}$   $\frac{8.1}{59}$   $\frac{8.9}{57}$

28.8 29.5 30.1 28.9 28.9 29.7 30.7 31.9 32.7 32.3 27.9 27.4 30.1

$\frac{8.7}{54}$   $\frac{8.0}{52}$   $\frac{7.4}{40}$   $\frac{8.6}{37}$   $\frac{8.6}{30}$   $\frac{7.8}{20}$   $\frac{6.8}{15}$   $\frac{5.6}{12}$   $\frac{4.8}{12}$   $\frac{5.2}{24}$   $\frac{9.6}{24}$   $\frac{10.1}{29}$   $\frac{7.4}{33}$

32.5 32.3 32.0 31.7 31.4

$\frac{5.0}{150}$   $\frac{5.2}{130}$   $\frac{5.5}{100}$   $\frac{5.8}{70}$   $\frac{6.1}{65}$

30.2 29.1 29.6 28.7 29.7 30.1 31.1 32.5 32.8 32.4 31.5 29.9 27.5 28.5 30.3

$\frac{7.3}{58}$   $\frac{8.1}{56}$   $\frac{7.9}{36}$   $\frac{8.8}{31}$   $\frac{7.8}{25}$   $\frac{7.4}{20}$   $\frac{6.4}{15}$   $\frac{5.0}{11}$   $\frac{4.7}{11}$   $\frac{5.1}{15}$   $\frac{6.0}{15}$   $\frac{9.6}{24}$   $\frac{10.0}{29}$   $\frac{9.0}{31}$   $\frac{7.2}{33}$

32.0 31.9 31.5 31.3 31.0 29.9

$\frac{5.5}{150}$   $\frac{5.6}{130}$   $\frac{6.0}{100}$   $\frac{6.2}{80}$   $\frac{6.5}{66}$   $\frac{7.6}{57}$



# Project 88-C Semi-Final x-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

56

+50

55

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 3.17 | 2536.37 | 4.27 | 2533.20 |
|------|------|---------|------|---------|

54+20

54

53+95

2537.47



# Project 88-C Semi-Final X-Section

32

32.7 31.2 28.2 27.5 29.0 28.9 28.3 27.4 27.4 30.5

$\frac{2.7}{28} \frac{5.2}{24} \frac{9.2}{20} \frac{8.9}{16} \frac{7.4}{11} 7.5 \frac{8.1}{12} \frac{9.0}{15} \frac{9.0}{19} \frac{5.9}{24}$

34.9 32.6 30.4 28.3 28.7 30.1 30.6 29.8 28.5 28.1 31.2 33.3

$\frac{1.5}{27} \frac{3.8}{25} \frac{6.0}{21} \frac{8.1}{18} \frac{7.7}{15} \frac{6.3}{12} \frac{6.2}{12} \frac{6.6}{12} \frac{7.9}{15} \frac{8.3}{18} \frac{5.2}{22} \frac{3.1}{26}$

34.6 29.4 29.0 30.6 30.9 30.7 29.8 29.3 33.2 34.6

$\frac{1.8}{28} \frac{7.0}{20} \frac{7.4}{15} \frac{5.8}{12} 5.5 \frac{5.1}{12} \frac{6.6}{15} \frac{7.1}{19} \frac{3.2}{23} \frac{1.8}{26}$

Nail in T.P. # 3071  $\frac{1}{2}$

32.5 30.8 29.9 29.9 31.6 32.1 31.5 30.1 29.6 32.8

$\frac{5.0}{27} \frac{6.7}{25} \frac{7.6}{23} \frac{7.6}{17} \frac{5.9}{11} 5.4 \frac{6.0}{12} \frac{7.4}{18} \frac{7.9}{22} \frac{4.7}{26}$

32.1 29.4 28.7 29.5 31.8 32.1 32.0 30.1 29.3 29.4 30.5 32.6

$\frac{5.4}{30} \frac{8.1}{27} \frac{8.8}{25} \frac{8.0}{20} \frac{5.7}{12} 5.4 \frac{5.5}{12} \frac{7.4}{20} \frac{8.2}{25} \frac{8.1}{27} \frac{7.0}{29} \frac{4.9}{31}$

31.3 31.3 31.3 31.9 28.8 28.8 30.9 31.8 32.1 32.0 31.0 29.9 29.1 32.1

$\frac{6.2}{150} \frac{6.2}{100} \frac{6.2}{61} \frac{5.6}{30} \frac{8.7}{27} \frac{8.7}{22} \frac{6.6}{14} \frac{5.7}{11} 5.4 \frac{5.5}{12} \frac{6.5}{16} \frac{7.6}{22} \frac{8.4}{27} \frac{5.4}{32}$

# Project 88-C Semi-Final X- Sect.

| Sta.  | B.S. | H.I.    | F.S. | Elev.   |
|-------|------|---------|------|---------|
| 58+95 |      |         |      |         |
| +88   |      |         |      |         |
| +85   |      |         |      |         |
| +55   |      |         |      |         |
| 58    |      |         |      |         |
| 57    |      |         |      |         |
| T.P.  | 2.04 | 2530.36 | 8.05 | 2528.32 |

2536.37

21.9 21.6 23.7 24.0 23.6 21.1 21.1

$$\frac{8.5}{23} \frac{8.8}{18} \frac{6.7}{13} 6.4 \frac{6.8}{12} \frac{9.3}{15} \frac{9.3}{23}$$

21.4 21.4 23.8 24.0 23.6 20.3 20.2

$$\frac{9.0}{24} \frac{9.0}{19} \frac{6.6}{12} 6.4 \frac{6.8}{12} \frac{10.1}{17} \frac{10.2}{24}$$

21.8 21.5 23.8 24.0 23.5 20.8 20.9

$$\frac{8.6}{23} \frac{8.9}{18} \frac{6.6}{12} 6.4 \frac{6.9}{12} \frac{9.6}{17} \frac{9.5}{23}$$

21.3 21.7 24.3 24.2 23.9 20.7 20.4

$$\frac{9.1}{22} \frac{8.7}{19} \frac{6.1}{13} 6.2 \frac{6.5}{12} \frac{9.7}{18} \frac{10.0}{23}$$

21.8 22.0 24.5 24.8 24.5 23.0 21.9 21.0

$$\frac{8.6}{24} \frac{8.4}{22} \frac{5.9}{12} 5.6 \frac{5.9}{12} \frac{7.4}{16} \frac{8.5}{19} \frac{9.4}{23}$$

24.4 24.6 26.4 26.7 26.2 23.4 23.2

$$\frac{6.0}{21} \frac{5.8}{19} \frac{4.0}{13} 3.7 \frac{4.2}{15} \frac{7.0}{21} \frac{7.2}{23}$$

Nail in T.P. # 3070

# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 9.19 | 2538.88 | 3.26 | 2529.69 |

63

62

61

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 8.73 | 2532.95 | 6.14 | 2524.22 |
|------|------|---------|------|---------|

60

59

2530.36

Nail in T.P. # 3065

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 28.8 | 28.5 | 21.5 | 21.3 | 29.2 | 29.7 | 29.0 | 27.4 | 27.0 | 27.8 | 28.8 |
| 4.2  | 4.5  | 5.5  | 5.7  | 3.8  | 3.3  | 4.0  | 5.6  | 6.0  | 5.2  | 4.2  |
| 25   | 23   | 22   | 19   | 13   |      | 12   | 16   | 20   | 21   | 24   |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 25.3 | 25.2 | 25.8 | 21.0 | 21.7 | 21.3 | 25.4 | 21.6 |
| 7.7  | 7.8  | 7.2  | 6.0  | 5.3  | 5.7  | 7.6  | 8.4  |
| 20   | 17.5 | 15   | 12   |      | 12   | 16   | 20   |

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 23.7 | 24.0 | 25.0 | 25.4 | 25.0 | 23.5 | 22.9 |
| 9.3  | 9.0  | 8.0  | 7.6  | 8.0  | 9.5  | 10.1 |
| 19   | 15.5 | 12.5 |      | 12   | 15.5 | 19   |

Nail in T.P. # 3067 R. Sta. 60+30

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 22.5 | 22.3 | 23.7 | 21.2 | 23.4 | 22.3 | 21.6 | 21.8 |
| 7.9  | 8.1  | 6.7  | 6.2  | 7.0  | 8.1  | 8.8  | 8.6  |
| 19   | 18   | 13   |      | 12   | 16   | 19   | 23   |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 22.0 | 21.4 | 22.0 | 23.9 | 23.9 | 23.4 | 21.1 | 20.8 |
| 8.4  | 9.0  | 8.4  | 6.5  | 6.5  | 7.0  | 9.3  | 9.6  |
| 24   | 20   | 18   | 13   |      | 12   | 18   | 22   |

# Project 88-C Semi-Final X- Sect.

| Sta.  | B.S. | H.I.    | F.S. | Elev.   |
|-------|------|---------|------|---------|
| +50   |      |         |      |         |
| 66    |      |         |      |         |
| 65+50 |      |         |      |         |
| T.P.  | 5.12 | 2543.11 | 0.89 | 2537.99 |
| 65    |      |         |      |         |
| 64    |      |         |      |         |
| 63+50 |      |         |      |         |
|       |      |         |      | 2538.88 |

# Project 88-C Semi-Final X- Sect.

35

31.5 36.7 36.8 31.4 38.1 38.2 31.7 36.2 31.4 35.9

$\frac{5.6}{2.1} \frac{6.4}{19.5} \frac{6.3}{16.5} \frac{5.7}{13} \frac{5.0}{12} 4.9 \frac{5.4}{12} \frac{6.9}{16} \frac{5.7}{17.5} \frac{7.2}{2.1}$

40.5 39.8 35.6 36.0 37.1 37.2 36.7 35.6 35.1 37.2 37.8

$\frac{2.6}{2.1} \frac{3.3}{2.6} \frac{7.5}{19} \frac{7.1}{13.5} \frac{6.0}{11} 5.9 \frac{6.4}{12} \frac{7.5}{15} \frac{8.0}{18} \frac{5.9}{22} \frac{5.3}{23}$

41.0 36.4 34.5 35.0 36.0 36.5 35.6 31.5 34.0 35.4 37.5 40.3

$\frac{2.1}{28.5} \frac{6.7}{23} \frac{8.6}{19} \frac{8.1}{14} \frac{7.1}{12} 6.6 \frac{7.5}{13} \frac{8.6}{16} \frac{9.1}{19.5} \frac{7.7}{22} \frac{5.6}{24.5} \frac{2.8}{27}$

Nail in T.P. # 3064

40.2 37.3 35.8 35.0 34.0 34.3 35.0 35.2 34.9 33.5 33.3 33.9 34.7 37.1 38.0 39.9

$\frac{-1.3}{13.0} \frac{1.6}{27} \frac{3.1}{24} \frac{2.9}{21} \frac{1.9}{19.5} \frac{4.6}{14} \frac{3.9}{11} 3.7 \frac{4.0}{12} \frac{5.4}{17} \frac{5.6}{20} \frac{5.0}{21} \frac{4.7}{24.5} \frac{1.8}{27} \frac{0.9}{29} \frac{-1.0}{31}$

Neg. Rod

Neg. Rod

33.8 31.3 30.7 30.7 32.1 32.5 32.4 31.0 31.3 33.2 35.7

$\frac{5.1}{24} \frac{7.6}{21} \frac{8.2}{19} \frac{8.2}{16} \frac{6.8}{11} 6.4 \frac{6.5}{16.5} \frac{7.9}{17} \frac{7.6}{20} \frac{5.7}{23.5} \frac{3.2}{26.5}$

30.7 28.8 28.8 30.7 31.1 30.6 29.0 29.0 29.9 31.4 31.8

$\frac{8.2}{21.5} \frac{10.1}{19.5} \frac{10.1}{18} \frac{8.2}{13.5} \frac{7.8}{12} 8.3 \frac{9.9}{16.5} \frac{9.9}{20.5} \frac{9.0}{22} \frac{7.5}{23.5} \frac{7.1}{24}$



# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 70   |      |         |      |         |
| +60  |      |         |      |         |
| +25  |      |         |      |         |
| 69   |      |         |      |         |
| 68   |      |         |      |         |
| T.P. | 6.21 | 2547.31 | 2.01 | 2541.10 |
| 67   |      |         |      |         |

2543.11



# Project 88C Semi-Final X-Sect.

36

11.1 13.2 12.5 10.5 11.1 11.6 12.3 12.6 11.9 11.0 10.5 12.0 12.3

$\frac{3.2}{25} \frac{4.1}{24.5} \frac{4.8}{23} \frac{6.8}{20.5} \frac{6.2}{16} \frac{5.7}{13} \frac{5.0}{11} 1.7 \frac{5.4}{12} \frac{6.3}{15} \frac{6.8}{19} \frac{5.3}{22} \frac{5.0}{23}$

15.3 13.2 10.5 11.2 12.1 12.8 12.0 10.9 10.8 13.3

$\frac{2.0}{25.5} \frac{4.1}{23} \frac{6.8}{19.5} \frac{6.1}{15} \frac{5.2}{11.5} 1.5 \frac{5.3}{12.5} \frac{6.4}{16} \frac{6.5}{19.5} \frac{4.0}{24}$

16.3 12.8 10.5 10.9 11.6 12.0 12.5 11.7 10.7 10.5 12.4 11.4

$\frac{1.0}{27} \frac{4.5}{23} \frac{6.8}{19} \frac{6.4}{15} \frac{5.7}{13} \frac{5.2}{11} 4.8 \frac{5.6}{12} \frac{6.6}{15} \frac{6.8}{19} \frac{4.9}{23} \frac{2.9}{25.5}$

13.8 11.1 10.0 10.9 12.0 12.4 11.9 10.5 10.4 11.9 11.2 11.3

$\frac{3.5}{24} \frac{6.2}{20} \frac{7.3}{18} \frac{6.4}{15} \frac{5.3}{12} 4.9 \frac{5.4}{12} \frac{6.8}{15} \frac{6.9}{19} \frac{5.4}{21.5} \frac{3.1}{25} \frac{3.0}{26}$

38.8 39.0 39.5 41.0 41.1 40.6 38.7 38.3

$\frac{8.5}{19} \frac{8.3}{16} \frac{7.8}{13.5} \frac{6.3}{12} 6.2 \frac{6.7}{12} \frac{8.1}{16} \frac{9.0}{19}$

Nail in X-fence post R. Sta. 67+90

36.9 37.0 38.6 38.9 38.5 36.2 35.8 36.0

$\frac{6.2}{22} \frac{6.1}{19} \frac{4.5}{13} 4.2 \frac{4.6}{13} \frac{6.9}{20} \frac{7.2}{22} \frac{7.1}{25}$

# Project 88-C Semi-Final X-Section

Sta.

B.S.

H.I.

F.S.

Elev.

+25

75

74

73

T.P.

2.79

2544.50

5160

2541.71

72

71

2547.31

# Project 88-C Semi-Final X-Sept.

42.3 42.0 37.8 35.7 35.8 37.0 37.5 37.1 35.9 35.7 37.8 38.3 43.7

37

$\frac{2.2}{2.9} \frac{2.5}{2.8} \frac{6.7}{23.5} \frac{8.8}{20} \frac{8.7}{16.5} \frac{7.5}{12.5} 7.0 \frac{7.4}{12.5} \frac{8.6}{16} \frac{8.8}{18.5} \frac{6.7}{23} \frac{6.2}{25.5} \frac{0.8}{31}$

41.7 37.9 36.0 36.1 37.3 37.7 37.3 36.5 36.3 37.3 39.0 42.5 44.1

$\frac{2.8}{27.5} \frac{6.6}{23} \frac{8.5}{19.5} \frac{8.4}{16} \frac{7.2}{12} \frac{6.8}{12} \frac{7.2}{15.5} \frac{8.0}{19} \frac{8.2}{21.5} \frac{7.2}{25} \frac{5.5}{29} \frac{2.0}{30} \frac{0.4}{30}$

39.6 38.2 38.4 39.2 39.5 39.0 38.1 37.7 37.6 38.4 38.7

$\frac{4.9}{21.5} \frac{6.3}{19.5} \frac{6.1}{16} \frac{5.3}{12} 5.0 \frac{5.5}{12} \frac{6.4}{15} \frac{6.8}{17} \frac{6.9}{19.5} \frac{6.1}{21} \frac{5.8}{22}$

39.5 38.4 38.8 40.1 40.7 40.2 39.2 39.1 38.1

$\frac{5.0}{21} \frac{6.1}{19} \frac{5.7}{16} \frac{4.4}{12} \frac{3.8}{12} \frac{4.3}{12} \frac{5.3}{13.5} \frac{5.4}{17.5} \frac{6.4}{21}$

Nail in T.P. # 3058

42.3 40.7 39.6 39.6 40.7 41.1 40.7 39.7 39.7 40.2

$\frac{5.0}{24.5} \frac{6.4}{24} \frac{7.7}{20.5} \frac{7.7}{18} \frac{6.5}{13} \frac{6.2}{13} \frac{6.6}{13} \frac{7.6}{17.5} \frac{7.6}{19.5} \frac{7.1}{20.5}$

39.7 40.0 41.4 41.7 41.2 39.3 39.0

$\frac{7.6}{21} \frac{7.3}{17.5} \frac{5.9}{13} \frac{5.6}{12} \frac{6.1}{12} \frac{8.0}{18.5} \frac{8.3}{20}$

# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 5.85 | 2536.60 | 9.73 | 2530.75 |

78

77

76+50

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 1.02 | 2540.48 | 5.04 | 2539.46 |
|------|------|---------|------|---------|

76

75+50

2544.50

Nail in T.P. # 3053 (New)

|      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|
| 30.6 | 31.4 | 32.4 | 32.9 | 32.3 | 29.7 | 29.3 |
| 9.9  | 9.1  | 8.1  | 7.6  | 8.2  | 10.8 | 11.2 |
| 20   | 15.5 | 12   |      | 13.5 | 17.5 | 21   |

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 33.8 | 33.2 | 33.1 | 32.2 | 32.5 | 32.7 | 33.8 | 33.4 | 32.3 | 32.0 | 32.1 | 33.0 |
| 6.7  | 7.3  | 7.4  | 8.3  | 8.0  | 7.3  | 6.7  | 7.1  | 8.2  | 8.5  | 8.4  | 7.5  |
| 23   | 22   | 20.5 | 19   | 16   | 13   |      | 12   | 16   | 19   | 21.5 | 26   |

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 37.0 | 34.9 | 34.8 | 33.6 | 32.9 | 33.2 | 34.2 | 34.7 | 34.1 | 33.0 | 32.8 | 33.7 | 33.9 | 36.0 |
| 3.5  | 5.6  | 5.7  | 6.9  | 7.6  | 7.3  | 6.3  | 5.8  | 6.4  | 7.5  | 7.7  | 6.8  | 6.6  | 4.5  |
| 26   | 24.5 | 22   | 21   | 18.5 | 15.5 | 12.5 |      | 11.5 | 16   | 19.5 | 22   | 23.5 | 26   |

Nail in T.P. # 3055

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 39.8 | 38.7 | 36.5 | 35.5 | 34.3 | 34.4 | 35.5 | 35.7 | 35.3 | 34.1 | 33.8 | 34.9 | 35.4 | 36.4 | 37.3 | 39.844 |
| 4.7  | 5.8  | 8.0  | 9.0  | 10.2 | 10.1 | 9.0  | 8.8  | 9.2  | 10.4 | 10.7 | 9.6  | 9.1  | 8.1  | 7.2  | 4.713  |
| 28   | 27.5 | 24   | 21   | 18.5 | 15.5 | 12   |      | 12   | 16   | 19   | 20   | 22.5 | 24   | 26   | 28.29  |

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 41.9 | 40.6 | 38.1 | 35.2 | 35.4 | 36.5 | 36.9 | 36.4 | 35.4 | 35.1 | 36.0 | 37.8 | 40.3 | 42.7 |
| 2.6  | 3.9  | 6.4  | 9.3  | 9.1  | 8.0  | 7.6  | 8.1  | 9.1  | 9.4  | 8.5  | 6.7  | 4.2  | 1.8  |
| 29   | 28   | 25   | 20   | 16.5 | 13   |      | 12   | 16   | 20   | 21   | 25.5 | 29   | 30.5 |

# Project 88-C Semi-Final X-Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|     |  |  |  |  |
|-----|--|--|--|--|
| +50 |  |  |  |  |
|-----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 81 |  |  |  |  |
|----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +75 |  |  |  |  |
|-----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +50 |  |  |  |  |
|-----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 80 |  |  |  |  |
|----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +40 |  |  |  |  |
|-----|--|--|--|--|

|    |  |  |  |  |
|----|--|--|--|--|
| 79 |  |  |  |  |
|----|--|--|--|--|

# Project 88-C Semi-Final X- Sect.

39

30.0 29.3 28.5 31.3 32.3 31.7 29.6 28.8 28.8

$\frac{6.6}{25.5} \frac{8.3}{24} \frac{8.1}{20.5} \frac{5.3}{15} \frac{4.3}{13.5} \frac{4.9}{20} \frac{7.8}{24} \frac{7.8}{25}$

29.8 29.1 28.0 28.1 29.2 31.6 31.5 32.4 31.9 30.1 30.1 30.5

$\frac{6.8}{26} \frac{7.5}{24.5} \frac{8.6}{23} \frac{8.5}{21.5} \frac{7.4}{19} \frac{5.0}{15} \frac{5.1}{12} \frac{4.2}{12} \frac{4.7}{18} \frac{6.5}{19} \frac{6.5}{19} \frac{6.1}{20}$

30.8 31.5 31.8 32.4 31.8 29.8 29.2

$\frac{5.8}{34} \frac{5.1}{26} \frac{4.8}{13} \frac{4.2}{13} \frac{4.8}{19} \frac{6.8}{19} \frac{7.4}{23}$

29.2 29.6 31.6 32.5 31.8 29.6 29.2 29.6

$\frac{7.4}{21.5} \frac{7.0}{19} \frac{5.0}{12.5} \frac{4.1}{12.5} \frac{4.8}{18} \frac{7.0}{22.5} \frac{7.4}{23} \frac{7.0}{23}$

28.0 29.1 31.9 32.4 31.9 29.5 29.0

$\frac{8.6}{24} \frac{7.5}{19.5} \frac{4.7}{12} \frac{4.2}{13.5} \frac{4.7}{18} \frac{7.1}{20.5} \frac{7.6}{20.5}$

28.5 29.0 31.6 32.2 31.8 29.6 29.5

$\frac{8.1}{23} \frac{7.6}{18} \frac{5.0}{12} \frac{4.4}{14} \frac{4.8}{17.5} \frac{7.1}{22} \frac{7.1}{22}$

29.3 29.9 31.7 32.3 31.9 29.8 29.2

$\frac{7.3}{22.5} \frac{6.7}{17.5} \frac{4.9}{12} \frac{4.3}{14} \frac{4.7}{17.5} \frac{6.8}{20} \frac{7.4}{20}$



# Project 88-C Semi-Final X-Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

+50

83

+75

82+50

|      |      |         |      |         |
|------|------|---------|------|---------|
| B.M. | 1.77 | 2533.91 | 4.46 | 2532.14 |
|------|------|---------|------|---------|

May 28, 1923

Weather: Partly cloudy, Warm

A.L. Ogilby, Jr.

E.P. Clements, Rod

+23

82

2536.60



# Project 88-C Semi-Final X- Sect.

40

294 280 273 276 301 307 300 274 254

$\frac{4.5}{29} \frac{5.9}{27} \frac{6.6}{235} \frac{6.3}{215} \frac{3.8}{15} 3.2 \frac{3.9}{13} \frac{6.5}{20} \frac{8.5}{27}$

303 298 276 287 309 315 309 291 270 258

$\frac{3.6}{29} \frac{6.1}{265} \frac{6.3}{235} \frac{5.7}{21} \frac{3.0}{135} 2.4 \frac{3.0}{12} \frac{4.8}{17} \frac{6.9}{23} \frac{8.1}{28}$

287 303 314 316 317 299 270 260

$\frac{5.2}{25} \frac{3.6}{18} \frac{2.5}{14} 2.3 \frac{2.7}{12} \frac{4.0}{17} \frac{6.9}{22} \frac{7.9}{27}$

308 306 314 322 321 321 284

$\frac{3.1}{14} \frac{3.3}{13} \frac{2.5}{11} \frac{1.7}{8} 1.8 \frac{1.8}{8.5} \frac{5.5}{9}$

Top N.W. Cor. Br floor Sta. 82+25

2873 3211 3211 321 288

$\frac{8.3}{8.5} \frac{4.5}{8} 4.5 \frac{4.5}{8} \frac{7.8}{8.5}$

3014 2873 283 2918 3117 322 318 303 293

$\frac{6.2}{26.5} \frac{8.3}{23.5} \frac{8.3}{22.5} \frac{6.8}{20.5} \frac{4.9}{15.5} 4.4 \frac{4.8}{12} \frac{6.3}{16.5} \frac{7.3}{22}$

# Project 88-C Semi-Final X-Section

| Station | B.S. | H.I.    | F.S. | Elev.   |
|---------|------|---------|------|---------|
| T.P.    | 3.23 | 2530.33 | 6.81 | 2527.10 |

+60

86

+60

85

84

83+65

2533.91

# Project 88-C Semi-Final X- Sect.

41

Nail in T.P. # 30A7

|            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 288        | 280        | 259        | 256        | 259        | 265        | 266        | 260        | 251        | 248        | 254        |
| <u>5.1</u> | <u>5.9</u> | <u>8.0</u> | <u>8.3</u> | <u>8.0</u> | <u>7.4</u> | <u>7.3</u> | <u>7.9</u> | <u>8.8</u> | <u>9.1</u> | <u>8.5</u> |
| 29         | 28         | 26         | 21         | 16.5       | 13.5       |            | 13         | 16         | 21         | 22         |

|            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 266        | 258        | 257        | 263        | 270        | 272        | 266        | 259        | 255        |
| <u>7.3</u> | <u>8.1</u> | <u>8.2</u> | <u>7.6</u> | <u>6.9</u> | <u>6.7</u> | <u>7.3</u> | <u>8.0</u> | <u>8.4</u> |
| 27         | 26         | 19         | 17         | 14         | 14         | 16         | 21         |            |

|            |            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 280        | 270        | 262        | 257        | 257        | 262        | 266        | 276        | 278        | 270        | 264        | 259        |
| <u>5.9</u> | <u>6.9</u> | <u>7.7</u> | <u>8.2</u> | <u>8.2</u> | <u>7.7</u> | <u>7.3</u> | <u>6.3</u> | <u>6.1</u> | <u>6.9</u> | <u>7.5</u> | <u>8.0</u> |
| 28         | 27         | 26         | 25         | 22         | 20         | 16         | 13         |            | 14.5       | 17         | 20         |

|            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 267        | 261        | 260        | 266        | 272        | 284        | 286        | 280        | 272        | 266        | 252        |
| <u>7.2</u> | <u>7.8</u> | <u>7.9</u> | <u>7.3</u> | <u>6.7</u> | <u>5.5</u> | <u>5.3</u> | <u>5.9</u> | <u>6.7</u> | <u>7.3</u> | <u>8.7</u> |
| 28         | 27         | 23         | 20.5       | 15.5       | 12.5       |            | 13         | 15         | 18         | 21         |

|            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 289        | 282        | 275        | 275        | 280        | 295        | 302        | 292        | 273        | 256        |
| <u>5.5</u> | <u>5.7</u> | <u>6.4</u> | <u>6.4</u> | <u>5.9</u> | <u>4.4</u> | <u>3.7</u> | <u>4.7</u> | <u>6.6</u> | <u>8.3</u> |
| 27         | 26.5       | 25         | 21         | 17         | 13         |            | 12.5       | 18         | 26         |

|            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 286        | 278        | 287        | 288        | 295        | 301        | 307        | 301        | 289        | 258        | 260        |
| <u>5.3</u> | <u>6.1</u> | <u>5.2</u> | <u>5.1</u> | <u>4.4</u> | <u>3.8</u> | <u>3.2</u> | <u>3.8</u> | <u>5.5</u> | <u>8.1</u> | <u>7.9</u> |
| 25         | 24         | 21         | 18         | 15         | 12.5       |            | 13         | 17         | 24         | 27         |

# Project 88-C Semi-Final X-Seat.

| Sta. | B.S. | H.I. | I.S. | Elev. |
|------|------|------|------|-------|
| 92   |      |      |      |       |

91

90

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 5.94 | 2531.20 | 5.07 | 2525.26 |
|------|------|---------|------|---------|

89

88

87

# Project 88-C Semi-Final X- Sect.

42

261 262 272 281 283 279 268 258 249  
 $\frac{5.1}{23} \frac{5.0}{19} \frac{4.0}{15} \frac{3.1}{11.5} 29 \frac{3.2}{12.5} \frac{4.4}{16} \frac{5.4}{19} \frac{6.3}{23}$

234 238 255 261 256 228 226  
 $\frac{7.8}{24} \frac{7.4}{19} \frac{5.7}{14} 5.1 \frac{5.6}{12.5} \frac{8.4}{19.5} \frac{8.6}{24}$

231 226 219 253 251 220 215  
 $\frac{8.1}{21} \frac{8.6}{19} \frac{6.3}{13} 5.9 \frac{6.1}{12} \frac{9.2}{19} \frac{9.7}{23}$

Nail in T.P. # 3044

226 225 238 247 253 248 224 215 214  
 $\frac{7.7}{19.5} \frac{7.8}{18.5} \frac{6.5}{16} \frac{5.6}{13.5} 5.0 \frac{5.5}{15} \frac{7.9}{19.5} \frac{8.8}{22.5} \frac{8.9}{25}$

252 239 238 241 250 253 246 235 234  
 $\frac{5.1}{27} \frac{6.4}{26.5} \frac{6.5}{19} \frac{6.2}{16.5} \frac{5.3}{14} 5.0 \frac{5.7}{13} \frac{6.8}{16} \frac{6.9}{20}$

274 256 251 253 258 262 255 249 242 250 240 233  
 $\frac{2.9}{27} \frac{1.7}{26} \frac{5.2}{20} \frac{5.0}{16.5} \frac{4.5}{14.5} 4.1 \frac{4.8}{13} \frac{5.4}{15} \frac{6.1}{20.5} \frac{5.3}{21.5} \frac{6.3}{23} \frac{7.0}{25}$

# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

65

96

95

94

B.M.

8.77

2544.88

2526.11

May 24, 1923

Weather: Bright, Cool

A.W. Ogle, Jr.

E.P. Clements, Rod

B.M.

4.07

2527.13

93

2531.20

# Project 88-C Semi-Final X-Sect.

73

41.6 40.3 40.5 41.7 42.1 41.6 40.5 40.3 42.9

$\frac{0.3}{2.7} \frac{4.6}{1.9} \frac{4.4}{1.6} \frac{3.2}{1.2} 2.8 \frac{3.2}{1.2} \frac{4.4}{1.6} \frac{4.6}{1.9} \frac{2.0}{2.3}$

41.7 43.8 43.3 38.7 38.4 38.6 40.1 40.3 37.6 38.1 38.3 40.8 41.2

$\frac{0.2}{2.9} \frac{1.1}{2.8} \frac{1.6}{2.7} \frac{6.2}{2.0} \frac{6.5}{1.9} \frac{6.3}{1.5} \frac{4.8}{1.2} \frac{4.6}{1.2} \frac{5.3}{1.2} \frac{6.5}{1.6} \frac{6.6}{1.9} \frac{4.1}{2.2} \frac{3.7}{2.3}$

41.7 40.0 38.8 36.4 35.7 36.1 37.1 37.7 36.8 35.5 35.2 37.6

$\frac{3.2}{2.9} \frac{4.9}{2.7} \frac{6.1}{2.5} \frac{8.5}{2.1} \frac{9.2}{1.9} \frac{8.8}{1.6} \frac{7.8}{1.2} \frac{7.2}{1.2} \frac{8.1}{1.2} \frac{9.4}{1.6} \frac{9.7}{1.9} \frac{7.3}{2.4}$

37.8 34.5 34.2 32.9 33.2 33.5 34.4 34.5 34.0 32.7 32.4 33.1 33.9

$\frac{7.1}{2.0} \frac{10.4}{2.4} \frac{10.7}{2.1} \frac{12.0}{1.9} \frac{11.7}{1.6} \frac{11.4}{1.4} \frac{10.5}{1.0} \frac{10.4}{1.0} \frac{10.9}{1.3} \frac{12.2}{1.7} \frac{12.5}{2.0} \frac{11.7}{2.2} \frac{11.0}{2.5}$

Nail in F.P.R. Sta. 93+07

Nail in T.P.# 30A2

30.0 29.7 30.0 31.2 31.2 30.8 29.4 29.2 29.6

$\frac{1.2}{2.2} \frac{1.5}{2.1} \frac{1.2}{1.5} \frac{0.0}{1.2} \frac{0.0}{1.2} \frac{0.4}{1.2} \frac{4.8}{1.6} \frac{2.0}{1.9} \frac{1.6}{2.0}$



# Project 88-C Semi-Final X-Section

Station

B.S.

H.I.

F.S.

Elev.

97

96+80

96+65

T.P.

8.83

2551.21

2.50

2542.38

+60

97

96+80

2544.88



# Project 88-C Semi-Final X-Section

44

11.7 11.2

3.5 4.0  
30 29

16.9

4.3  
29

16.9

4.3  
29

Top Hub Sta. 96

41.6 43.9 43.1 41.8 41.8 43.8 43.3 43.0 41.7 41.4 42.7 44.2

0.3 1.0 1.8 3.1 3.1 2.1 1.6 1.9 3.2 3.5 2.2 0.7  
26 25 22 20 16 12 10 14 18 20 23

41.6 40.9 41.1 42.3 42.7 42.0 41.0 40.8 41.0

3.3 4.0 3.8 2.6 2.2 2.9 3.9 4.1 0.9  
21 19 16 13 11 15 18 24

41.3 44.6 41.6 40.8 41.1 42.2 42.6 42.1 40.8 40.8 43.5

2.5 0.3 3.3 4.1 3.8 2.7 2.3 2.8 4.1 4.1 1.4  
29 27 21 19 16 12 12 15 19 24

Neg. Rod

# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
| +45  |      |      |      |       |

99

|      |      |         |  |         |
|------|------|---------|--|---------|
| B.M. | 1.80 | 2547.09 |  | 2545.29 |
|------|------|---------|--|---------|

|      |  |  |      |         |
|------|--|--|------|---------|
| B.M. |  |  | 5.92 | 2545.29 |
|------|--|--|------|---------|

+35

98

97+60

2551.21

# Project 88-C Semi-Final X-Section.

45

41.4 41.0 41.7 42.4 42.8 41.9 39.6 39.3 38.8  
 $\frac{57}{19} \quad \frac{61}{17} \quad \frac{54}{14} \quad \frac{47}{13} \quad 41.3 \quad \frac{52}{12.5} \quad \frac{7.5}{18} \quad \frac{7.8}{21} \quad \frac{8.3}{22.5}$

41.0 41.5 42.4 42.9 42.3 40.1 39.6 40.0  
 $\frac{61}{18} \quad \frac{56}{15} \quad \frac{47}{13} \quad 41.2 \quad \frac{48}{12.5} \quad \frac{7.0}{17} \quad \frac{7.5}{20} \quad \frac{7.1}{21}$

Nail in T.P. # 3037

Nail in T.P. # 3037

44.5 42.7 42.2 41.5 41.2 42.7 43.2 42.8 40.5 40.4 40.5 40.6 41.3  
 $\frac{67}{27} \quad \frac{8.5}{24} \quad \frac{9.0}{22} \quad \frac{9.7}{21} \quad \frac{10.0}{18} \quad \frac{8.5}{15} \quad \frac{8.0}{11} \quad \frac{8.4}{17} \quad \frac{10.7}{20} \quad \frac{10.8}{24} \quad \frac{10.7}{28} \quad \frac{10.6}{30} \quad \frac{9.9}{30}$

45.0 44.0 43.4 41.9 41.7 42.8 43.4 42.9 41.4 41.3 41.9  
 $\frac{62}{27} \quad \frac{7.2}{26} \quad \frac{7.8}{23} \quad \frac{9.3}{20} \quad \frac{9.5}{16} \quad \frac{8.4}{15} \quad \frac{7.8}{11} \quad \frac{8.3}{16} \quad \frac{9.8}{21} \quad \frac{9.9}{21} \quad \frac{9.3}{24}$

47.1 44.8  
 $\frac{4.1}{24} \quad \frac{6.4}{27}$

# Project 88-C Semi-Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev.   |
|------|------|------|------|---------|
| B.M. |      |      | 2.50 | 2544.59 |

103+20

102+90

102

101

100

99+55

2547.09

Nail in T.P. # 3033 W. Sta. 103+62

## 0.0 Section

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 39.6 | 40.2 | 41.4 | 41.7 | 41.2 | 40.9 | 40.4 | 41.8 |
| 7.5  | 6.9  | 5.7  | 5.4  | 5.9  | 6.2  | 6.7  | 5.3  |
| 22.5 | 18   | 14.5 |      | 11   | 15   | 22   | 22   |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 38.2 | 39.0 | 40.3 | 41.2 | 41.9 | 41.4 | 39.3 | 38.9 |
| 8.9  | 8.1  | 6.8  | 5.9  | 5.2  | 5.7  | 7.8  | 8.2  |
| 23   | 20   | 15   | 13.5 |      | 13   | 19   | 21.5 |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 37.8 | 40.4 | 40.5 | 41.6 | 42.3 | 41.6 | 39.4 | 38.6 |
| 9.3  | 8.7  | 6.6  | 5.5  | 4.8  | 5.5  | 7.7  | 8.5  |
| 26   | 22   | 15.5 | 13.5 |      | 13   | 19   | 22.5 |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 38.9 | 38.6 | 40.6 | 41.9 | 42.5 | 42.0 | 39.4 | 38.7 |
| 8.2  | 8.5  | 6.5  | 5.2  | 4.6  | 5.1  | 7.7  | 8.4  |
| 25   | 23   | 16.5 | 13.5 |      | 13   | 19   | 22   |

|      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|
| 41.2 | 41.0 | 41.6 | 42.3 | 42.7 | 41.9 | 39.5 | 39.1 |
| 5.8  | 6.1  | 5.5  | 4.8  | 4.4  | 5.2  | 7.6  | 8.0  |
| 20   | 17.5 | 13.5 | 13   |      | 12   | 18   | 19   |

## Project 88-C Semi-Final X-Section

Sta.

B.S.

H.I.

F.S.

Elev.

Final's  
Borrow Pts

Note:

This part of Borrow Pit #1 was used  
for surfacing Project from the  
beginning to Sta. 28-A



## Project 88-C Final X- Sect. Borrow Pit #1

Sta.

B.S.

H.I.

F.S.

Elev.

0+31

0+25

0+10

0+00

B.M.

10.64

110.64

100.00

June 7, 1923

Weather: Partly cloudy, Showers

A.L. Ogle,  $\Delta$ 

L.M. Wedner, Rod

J.C. Broady, Chain

# Project 88-C Final X-Sect. Borrow Pit #1

06.4 99.8 99.3 94.1

4.2 10.8 11.3 16.5  
127 135 143 160

08.4 08.7 07.8 07.6 05.4 04.4 02.8 01.8 01.2 00.3 00.0 05.6 06.5 06.9  
2.2 1.9 2.8 3.0 5.2 6.2 7.8 8.8 9.4 10.3 10.6 5.0 4.1 3.7  
60 67 69 70 72 74 77 83 86 89 97 104 110 125

98.9 95.4 94.5  
11.7 15.2 16.1  
143 157 161

07.5 07.4 06.9 06.8 03.9 03.5 02.3 01.7 00.6 00.4 05.6 06.1 05.9 04.3 99.2  
3.1 3.2 3.7 3.8 6.7 7.1 8.3 8.9 10.0 10.2 5.0 4.5 4.7 6.3 11.4  
60 68 70 72 74 76 79 84 89 96 104 109 120 128 139

04.3 04.6 02.6 02.1 01.7 04.1 04.0 01.7 98.3 98.9 98.4 94.8 93.8  
6.3 6.0 8.0 8.5 8.7 6.5 6.6 8.9 12.3 11.7 12.2 15.8 16.8  
60 76 81 86 92 99 105 119 131 137 142 152 160

02.1 03.3 03.3 02.7 02.0 00.3 98.9 97.8  
8.5 7.3 7.3 7.9 8.6 10.2 11.9 12.8  
60 71 80 89 100 113 123 135

Nail in root of tree 100'R. Sta. 0+00

# Project 88-C Final X-Section Borrow Pit #1

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
| 1+15 |      |      |      |       |
| 1+00 |      |      |      |       |
| 0+75 |      |      |      |       |
| 0+55 |      |      |      |       |
| 0+50 |      |      |      |       |
| 0+45 |      |      |      |       |

# Project 88-C Final X-Sect. Borrow Pit #1

3

06.6 06.6 07.2 07.6 08.5

$\frac{1.0}{108}$   $\frac{1.0}{112}$   $\frac{1.4}{127}$   $\frac{1.0}{136}$   $\frac{2.1}{139}$

04.5 03.4 03.5 03.1 04.1 04.3 05.6 06.5 08.4 09.3

$\frac{6.1}{97}$   $\frac{7.2}{102}$   $\frac{7.1}{104}$   $\frac{7.5}{107}$   $\frac{6.5}{114}$   $\frac{6.3}{124}$   $\frac{5.0}{128}$   $\frac{4.1}{133}$   $\frac{2.2}{139}$   $\frac{1.3}{147}$

03.1 01.6 01.1 00.6 99.4 00.5 02.0 01.9 07.4 08.4 07.7 07.0

$\frac{7.5}{86}$   $\frac{9.0}{92}$   $\frac{9.5}{94}$   $\frac{10.0}{97}$   $\frac{11.2}{105}$   $\frac{10.1}{112}$   $\frac{8.6}{123}$   $\frac{5.7}{133}$   $\frac{3.2}{140}$   $\frac{2.2}{142}$   $\frac{2.9}{145}$   $\frac{3.6}{151}$

02.5 01.7 00.8 00.3 01.0 07.6 06.8 07.1 07.0 95.3 95.1 94.3 97.3 93.1

$\frac{8.1}{78}$   $\frac{8.9}{82}$   $\frac{9.8}{84}$   $\frac{10.2}{104}$   $\frac{9.6}{107}$   $\frac{3.0}{117}$   $\frac{3.8}{122}$   $\frac{3.5}{126}$   $\frac{3.6}{135}$   $\frac{15.3}{151}$   $\frac{15.5}{160}$   $\frac{16.3}{163}$   $\frac{13.3}{166}$   $\frac{17.5}{181}$

03.0 02.2 02.1 00.8 00.2 00.8 03.3 02.9 02.5 07.2 06.9 99.1 95.1 94.1 93.2

$\frac{7.6}{77}$   $\frac{8.4}{79}$   $\frac{8.5}{81}$   $\frac{9.8}{84}$   $\frac{10.4}{101}$   $\frac{9.8}{103}$   $\frac{7.3}{109}$   $\frac{7.7}{111}$   $\frac{8.1}{117}$   $\frac{3.4}{128}$   $\frac{3.7}{137}$   $\frac{11.5}{147}$   $\frac{15.5}{157}$   $\frac{16.5}{165}$   $\frac{17.4}{170}$

95.1 94.3  
 $\frac{15.5}{153}$   $\frac{16.3}{163}$

02.9 02.3 01.2 00.8 00.5 00.0 00.6 06.6 07.0 05.6 01.4 01.1 06.4

$\frac{7.7}{76}$   $\frac{8.3}{79}$   $\frac{9.4}{82}$   $\frac{9.8}{83}$   $\frac{10.1}{89}$   $\frac{10.6}{101}$   $\frac{10.0}{102}$   $\frac{4.0}{107}$   $\frac{3.6}{110}$   $\frac{5.0}{115}$   $\frac{9.2}{119}$   $\frac{9.5}{123}$   $\frac{4.2}{124}$

# Project 88-C Final X-Section Borrow Pit #1

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|      |  |  |  |  |
|------|--|--|--|--|
| 0+75 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 0+55 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 0+50 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 0+45 |  |  |  |  |
|------|--|--|--|--|

|      |       |        |      |        |
|------|-------|--------|------|--------|
| T.P. | 10.78 | 121.32 | 0.10 | 110.54 |
|------|-------|--------|------|--------|

|      |  |  |       |       |
|------|--|--|-------|-------|
| B.M. |  |  | 11.38 | 99.26 |
|------|--|--|-------|-------|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+25 |  |  |  |  |
|------|--|--|--|--|

110.69

# Project 88-C Final X-Section, Borrow Pit #1

7

15.9 16.0 15.5 15.1 14.4

5.1 5.3 5.8 6.2 6.9  
60 63 65 67 72

13.9 13.6 12.5

7.1 7.7 8.8  
60 67 69

12.9

8.4  
67

11.6 11.7

9.7 9.6  
60 68

Nail Top Hub 40' R. Sta. 0+40

Nail in T.P. R. Sta. 0+00

09.0 08.9 09.6 10.1 09.5 08.6

1.6 1.7 1.0 0.5 1.1 2.0  
114 118 128 138 146 150

Project 88-C Final X-Section Borrow Pit #1

Sta. B.S. H.I. F.S. Elev.

1+35

1+25

1+15

1+00

12132

# Project 88-C Final X-Section Borrow Pit #1

5

|            |            |            |            |             |            |
|------------|------------|------------|------------|-------------|------------|
| 17.0       | 16.1       | 12.5       | 11.7       | 10.6        | 13.3       |
| <u>4.3</u> | <u>5.2</u> | <u>7.8</u> | <u>9.6</u> | <u>10.7</u> | <u>8.0</u> |
| 11.2       | 11.3       | 11.7       | 12.0       | 12.8        | 13.3       |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 18.0       | 18.1       | 17.4       | 16.0       | 14.6       |
| <u>3.3</u> | <u>3.2</u> | <u>3.9</u> | <u>5.3</u> | <u>6.7</u> |
| 7.3        | 8.0        | 9.2        | 10.3       | 10.6       |

|            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|
| 18.1       | 17.7       | 16.8       | 16.8       | 17.4       | 16.5       | 12.0       |
| <u>3.2</u> | <u>3.6</u> | <u>4.5</u> | <u>4.5</u> | <u>3.9</u> | <u>4.8</u> | <u>9.3</u> |
| 6.0        | 6.7        | 6.9        | 7.2        | 7.6        | 9.5        | 9.9        |

|            |            |            |             |
|------------|------------|------------|-------------|
| 11.8       | 11.6       | 15.6       | 11.0        |
| <u>3.5</u> | <u>3.7</u> | <u>5.7</u> | <u>10.3</u> |
| 6.0        | 6.5        | 8.4        | 8.7         |



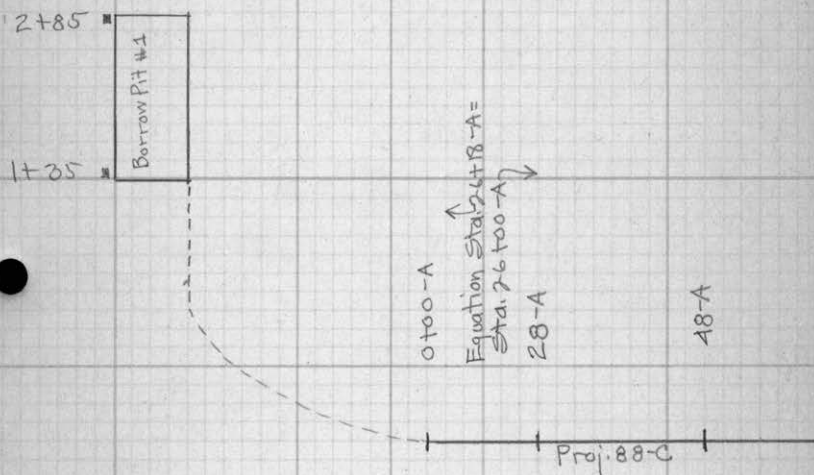
Project 88-C Final X- Sect. Borrow Pit #1

Project 88-C Final X-Sect. Borrow Pit #1  
Second Section

1

Note:

This part of Borrow Pit #1 was used for Surfacing Project 88-C from Sta. 28-A To Sta. 48-A



Note:

6553 ft from Sta. 1+35 of Borrow Pit to Sta. 28-A of Project.

## Project 88-C Final X-Section. Borrow Pit #1 Second Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+25 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+00 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+75 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+50 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+40 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+35 |  |  |  |  |
|------|--|--|--|--|

|      |      |        |  |        |
|------|------|--------|--|--------|
| B.M. | 4.28 | 127.78 |  | 123.40 |
|------|------|--------|--|--------|

July 30, 1923

Weather: Bright, Hot, Muddy

A.L. Ogle,  $\pi$ 

L.M. Wedner, Rod

J.C. Broady, Chain

# Project 88-C Final X-Sect. Borrow Pit # 1

## Second Section

2

22.6 16.1 14.8 12.9

$$\begin{array}{r} 4.2 \\ 0 \end{array} \quad \begin{array}{r} 11.7 \\ 8 \end{array} \quad \begin{array}{r} 13.0 \\ 11 \end{array} \quad \begin{array}{r} 14.9 \\ 13 \end{array}$$

21.2 21.3 11.0 13.5

$$\begin{array}{r} 3.6 \\ 0 \end{array} \quad \begin{array}{r} 6.5 \\ 2 \end{array} \quad \begin{array}{r} 13.8 \\ 11 \end{array} \quad \begin{array}{r} 14.3 \\ 13 \end{array}$$

24.2 21.9 12.1

$$\begin{array}{r} 3.6 \\ 0 \end{array} \quad \begin{array}{r} 5.9 \\ 1 \end{array} \quad \begin{array}{r} 5.7 \\ 14 \end{array}$$

22.9 20.4

$$\begin{array}{r} 4.9 \\ 0 \end{array} \quad \begin{array}{r} 7.4 \\ 2 \end{array}$$

21.9 17.8 18.1

$$\begin{array}{r} 5.9 \\ 0 \end{array} \quad \begin{array}{r} 10.0 \\ 1 \end{array} \quad \begin{array}{r} 9.7 \\ 4 \end{array}$$

17.7 17.0

$$\begin{array}{r} 10.1 \\ 0 \end{array} \quad \begin{array}{r} 10.8 \\ 2 \end{array}$$

Nail in Tree L. Sta. 3+40

## Project 88-C Final X-Section Borrow Pit #1 Second Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+50 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+40 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+35 |  |  |  |  |
|------|--|--|--|--|

|      |      |        |       |        |
|------|------|--------|-------|--------|
| T.P. | 1.11 | 116.73 | 12.16 | 115.62 |
|------|------|--------|-------|--------|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+85 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+75 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+50 |  |  |  |  |
|------|--|--|--|--|

|  |  |        |  |  |
|--|--|--------|--|--|
|  |  | 127.78 |  |  |
|--|--|--------|--|--|

# Project 88-C Final X-Section Borrow Pit #1

3

09.2 08.4 07.5 06.4 Second Section  
05.5 05.2 04.2 03.2

$\frac{7.4}{15}$   $\frac{8.3}{18}$   $\frac{9.2}{20}$   $\frac{10.3}{27}$   $\frac{11.2}{32}$   $\frac{11.5}{38}$   $\frac{12.5}{47}$   $\frac{13.5}{51}$

11.7 09.0 07.8 06.6 04.9 04.6 03.7

$\frac{5.0}{14}$   $\frac{7.7}{15}$   $\frac{8.9}{21}$   $\frac{10.1}{33}$   $\frac{11.8}{45}$   $\frac{12.1}{51}$   $\frac{13.0}{53}$

10.8 08.7 07.8 07.2 06.1 05.5 05.2

$\frac{5.9}{11}$   $\frac{8.0}{17}$   $\frac{8.9}{21}$   $\frac{9.5}{30}$   $\frac{10.6}{37}$   $\frac{11.2}{41}$   $\frac{11.5}{48}$

Nail Top Hub end of Pit

0.0 Section

21.8 20.7 16.8 15.9 15.3 14.0 12.8 13.0 12.8

$\frac{6.0}{0}$   $\frac{7.6}{6}$   $\frac{11.0}{13}$   $\frac{11.9}{14}$   $\frac{12.5}{16}$   $\frac{13.8}{21}$   $\frac{15.0}{34}$   $\frac{14.8}{38}$   $\frac{15.0}{41}$

22.7 20.6 15.6 14.1 12.8

$\frac{5.1}{0}$   $\frac{7.2}{2}$   $\frac{12.2}{8}$   $\frac{13.7}{13}$   $\frac{15.0}{14}$

# Project 88-C Final X-Section, Borrow Pit #1 Second Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+40 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+35 |  |  |  |  |
|------|--|--|--|--|

|      |      |        |       |        |
|------|------|--------|-------|--------|
| T.P. | 3.68 | 108.57 | 11.84 | 104.89 |
|------|------|--------|-------|--------|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+50 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+25 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+00 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+75 |  |  |  |  |
|------|--|--|--|--|

116.73

# Project 88-C Final X-Section Borrow Pit #1

## Second Section

4

951

13.5  
61

91.9 91.8  
13.7 13.8  
61 70

Nail Top Hub near center of Pit

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 12.3 | 11.4 | 10.9 | 10.1 | 09.8 | 09.4 | 10.3 | 10.3 | 11.0 | 12.2 | 11.7 |
| 4.4  | 5.3  | 5.8  | 6.6  | 6.9  | 7.3  | 6.4  | 6.4  | 5.7  | 4.5  | 5.0  |
| 17   | 22   | 24   | 24   | 40   | 44   | 45   | 47   | 48   | 52   | 55   |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 12.2 | 10.2 | 09.3 | 08.3 | 06.9 | 06.3 | 05.8 | 06.2 | 05.5 | 03.7 |
| 4.5  | 6.5  | 7.4  | 8.4  | 9.8  | 10.4 | 10.9 | 10.7 | 11.2 | 13.0 |
| 15   | 22   | 24   | 29   | 32   | 41   | 49   | 50   | 53   | 56   |

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 11.4 | 10.5 | 09.6 | 08.8 | 07.8 | 07.1 | 06.2 | 04.9 | 04.3 | 03.8 | 02.9 |
| 5.3  | 6.2  | 7.1  | 7.9  | 8.9  | 9.6  | 10.5 | 11.8 | 12.4 | 12.9 | 13.8 |
| 15   | 19   | 22   | 24   | 30   | 33   | 38   | 41   | 50   | 55   | 58   |

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 10.2 | 09.1 | 08.1 | 07.1 | 06.2 | 05.9 | 04.2 | 03.8 | 02.9 |
| 6.5  | 7.6  | 8.6  | 9.6  | 10.5 | 10.8 | 12.5 | 12.9 | 13.8 |
| 15   | 21   | 22   | 29   | 33   | 36   | 41   | 47   | 58   |



## Project 88-C Final X-Section Borrow Pit #1 Second Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|      |  |  |  |  |
|------|--|--|--|--|
| B.M. |  |  |  |  |
|------|--|--|--|--|

|  |  |  |      |  |
|--|--|--|------|--|
|  |  |  | 8.54 |  |
|--|--|--|------|--|

|  |  |  |  |        |
|--|--|--|--|--------|
|  |  |  |  | 100.03 |
|--|--|--|--|--------|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+50 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+25 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+00 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+75 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+50 |  |  |  |  |
|------|--|--|--|--|

|  |  |  |  |        |
|--|--|--|--|--------|
|  |  |  |  | 108.57 |
|--|--|--|--|--------|

Project 88-C Final X-Section, Borrow Pit #1  
Second Section

5

Nail in root of Tree 100' R. Sta. 0+00

|      |      |
|------|------|
| 978  | 965  |
| 10.8 | 12.1 |
| 61   | 67   |

|      |
|------|
| 968  |
| 11.8 |
| 60   |

|      |      |
|------|------|
| 970  | 954  |
| 11.6 | 13.2 |
| 61   | 65   |

Project 88-C Final X-Section Borrow Pit #1 Second Section

Sta.

B.S.

H.I.

F.S.

Elev.

Project 88-C Final X-Sect. Stripping Borrow Pit #1

1

## Project 88-C Final X-Section Stripping Borrow Pit #1

| Sta. | B.S. | I.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+75 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+50 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+25 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 2+00 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+75 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+50 |  |  |  |  |
|------|--|--|--|--|

|      |      |        |  |        |
|------|------|--------|--|--------|
| B.M. | 1.80 | 124.60 |  | 122.80 |
|------|------|--------|--|--------|

May 8, 1923

Weather: Bright, Very windy, Very cold

A.L. Ogle, \*

E.P. Clements, Rod

# Project 88-C Final X-Section Stripping Borrow Pit #1

2

|            |            |            |             |
|------------|------------|------------|-------------|
| 18.6       | 18.0       | 15.0       | 13.4        |
| <u>6.0</u> | <u>6.6</u> | <u>9.6</u> | <u>11.2</u> |
| 14         | 15         | 30         | 38          |

|            |            |            |             |             |
|------------|------------|------------|-------------|-------------|
| 20.5       | 19.5       | 15.3       | 11.5        | 13.4        |
| <u>4.1</u> | <u>5.1</u> | <u>9.3</u> | <u>10.1</u> | <u>11.2</u> |
| 9          | 11         | 27         | 35          | 42          |

|            |            |            |            |
|------------|------------|------------|------------|
| 21.3       | 20.5       | 15.7       | 14.9       |
| <u>3.3</u> | <u>4.1</u> | <u>8.9</u> | <u>9.7</u> |
| 7          | 9          | 29         | 35         |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| 22.7       | 22.2       | 21.5       | 18.4       | 16.3       | 15.4       |
| <u>1.9</u> | <u>2.4</u> | <u>3.1</u> | <u>6.2</u> | <u>8.3</u> | <u>9.2</u> |
| 6          | 7          | 8          | 20         | 29         | 35         |

|            |            |            |            |             |             |
|------------|------------|------------|------------|-------------|-------------|
| 22.5       | 21.4       | 18.3       | 16.0       | 13.7        | 13.8        |
| <u>2.1</u> | <u>3.2</u> | <u>6.3</u> | <u>8.6</u> | <u>10.9</u> | <u>10.8</u> |
| 4          | 6          | 18         | 27         | 35          | 36          |

|            |            |            |             |             |
|------------|------------|------------|-------------|-------------|
| 20.5       | 17.6       | 15.2       | 13.8        | 13.1        |
| <u>1.1</u> | <u>7.0</u> | <u>9.4</u> | <u>10.8</u> | <u>11.5</u> |
| 7          | 9          | 13         | 26          | 36          |

Nail Top Hub L. Sta. 2+50

Project 88-C Final X-Section Stripping Borrow Pit # 1

Note:

This waste was the Sod removed from Stripping Pit #1 and was placed on first section of Borrow Pit #1 It is fill - not excavation



## Project 88-C Final X-Section Waste Borrow Pit #1

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+25 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+15 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 1+00 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 0+90 |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 0+85 |  |  |  |  |
|------|--|--|--|--|

|      |       |        |  |        |
|------|-------|--------|--|--------|
| B.M. | 10.70 | 113.33 |  | 102.63 |
|------|-------|--------|--|--------|

May 8, 1923

Weather: Bright, Very windy, Very cold

A. W. Ogle, A

E. P. Clements, Rod

## 0.0 Section

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| 061        | 066        | 080        | 085        | 05         | 114        |
| <u>7.2</u> | <u>6.7</u> | <u>5.3</u> | <u>4.8</u> | <u>2.8</u> | <u>1.9</u> |
| 107        | 113        | 120        | 127        | 131        | 135        |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| 042        | 043        | 060        | 067        | 065        | 017        |
| <u>9.1</u> | <u>9.0</u> | <u>7.3</u> | <u>7.1</u> | <u>6.8</u> | <u>5.6</u> |
| 100        | 106        | 111        | 121        | 128        | 135        |

|             |             |            |            |            |
|-------------|-------------|------------|------------|------------|
| 022         | 019         | 059        | 054        | 075        |
| <u>11.1</u> | <u>11.4</u> | <u>7.6</u> | <u>7.9</u> | <u>5.8</u> |
| 100         | 104         | 115        | 129        | 138        |

|             |             |            |            |
|-------------|-------------|------------|------------|
| 015         | 023         | 028        | 06.0       |
| <u>11.8</u> | <u>11.0</u> | <u>9.5</u> | <u>7.3</u> |
| 100         | 118         | 125        | 132        |

Nail Top Hub "B"

Project 88-C Final X-Sect. Waste Borrow Pit #1

Project 88-C Final X-Section Borrow Pit #3

1

## Project 88-C Final X-Sect. Borrow Pit #3

| Sta. | B.S. | H.I. | I.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

4

3

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 6.16 | 2560.54 | 3.18 | 2554.38 |
|------|------|---------|------|---------|

2

1+00

0+00

|      |      |         |  |         |
|------|------|---------|--|---------|
| B.M. | 6.50 | 2557.56 |  | 2551.06 |
|------|------|---------|--|---------|

June 20, 1923

Weather: Bright, Windy, Cool

A.L. Ogle,  $\pi$ 

L.M. Wedner, Rod

J.C. Broady, Chain

# Project 88-C Final X-Section Borrow Pit #3

51.4 51.1 51.3 51.2 51.7 51.9 51.3 51.7 51.2 51.5 51.9 51.7 51.8 51.8 51.3 51.4 51.5 51.3 51.7  
41 48 62 63 68 66 72 68 63 60 56 58 67 67 62 61 40 22 18  
 55 53 52 51 50 47 45 43 41 39 32 17 13 11 10 7 4 2 0

51.8 51.8 51.5 51.2 51.6 51.1 51.6 51.1 51.0 51.2 51.8 51.6 51.4 51.8 51.4  
81 87 80 83 79 74 69 64 65 73 77 69 71 57 41  
 50 47 45 44 43 41 38 28 14 11 9 7 4 3 1

Nail Top Hole Sta. 2+00

51.8 51.1 51.7 51.0 51.3 51.9 51.5 51.1 51.4 51.9 51.8 51.7 51.9 51.7 51.1 51.4  
68 65 69 56 53 57 51 45 52 57 58 59 57 49 35 32  
 48 44 42 38 37 36 33 32 13 11 6 4 3 2 1 0

51.6 51.9 51.5 51.0 51.3 51.6 51.3 51.9 51.9 51.5 51.6 51.2 51.3 51.6 51.9  
60 57 51 56 53 50 53 57 57 61 60 54 53 40 37  
 41 38 37 36 35 34 13 10 7 5 4 3 2 1 0

51.3 51.5 51.1 51.6 51.0 51.5 51.9  
63 51 45 40 46 21 17  
 24 19 14 10 6 3 0

Nail Top Hole L. on fence line Sta. 58+15

# Project 88-C Final X-Section Borrow Pit #3

Sta.      B.S.      H.I.      F.S.      Elev.

B.M.      3.55      2559.30

8

7

B.M.      5.70      2562.85      3.39      2557.15

6

5+00

2560.54

Nail in Cor. F.P.R. Sta. 7+75

|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 574 | 574 | 570 | 569 | 577 | 579 | 579 | 576 | 576 | 582 | 584 |
| 578 | 555 | 579 | 60  | 572 | 50  | 50  | 53  | 53  | 47  | 45  |
| 51  | 47  | 44  | 42  | 39  | 39  | 15  | 12  | 9   | 4   | 0   |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 554 | 562 | 574 | 570 | 573 | 578 | 582 | 579 | 572 | 570 | 575 | 575 | 575 | 601 |
| 75  | 67  | 55  | 59  | 56  | 51  | 47  | 50  | 57  | 59  | 54  | 54  | 34  | 28  |
| 45  | 44  | 42  | 41  | 38  | 36  | 29  | 17  | 13  | 9   | 7   | 6   | 4   | 0   |

Nail Top Hole Sta. 6

|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 547 | 548 | 557 | 561 | 558 | 551 | 550 | 554 | 552 | 567 | 572 |
| 58  | 57  | 48  | 44  | 47  | 54  | 55  | 51  | 53  | 38  | 33  |
| 49  | 45  | 37  | 26  | 16  | 12  | 8   | 7   | 5   | 3   | 0   |

|     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 540 | 543 | 541 | 542 | 553 | 556 | 555 | 549 | 543 | 547 | 555 | 567 | 569 |
| 65  | 62  | 64  | 63  | 52  | 49  | 50  | 56  | 62  | 58  | 50  | 38  | 36  |
| 53  | 50  | 48  | 43  | 35  | 26  | 14  | 12  | 8   | 7   | 3   | 1   | 0   |

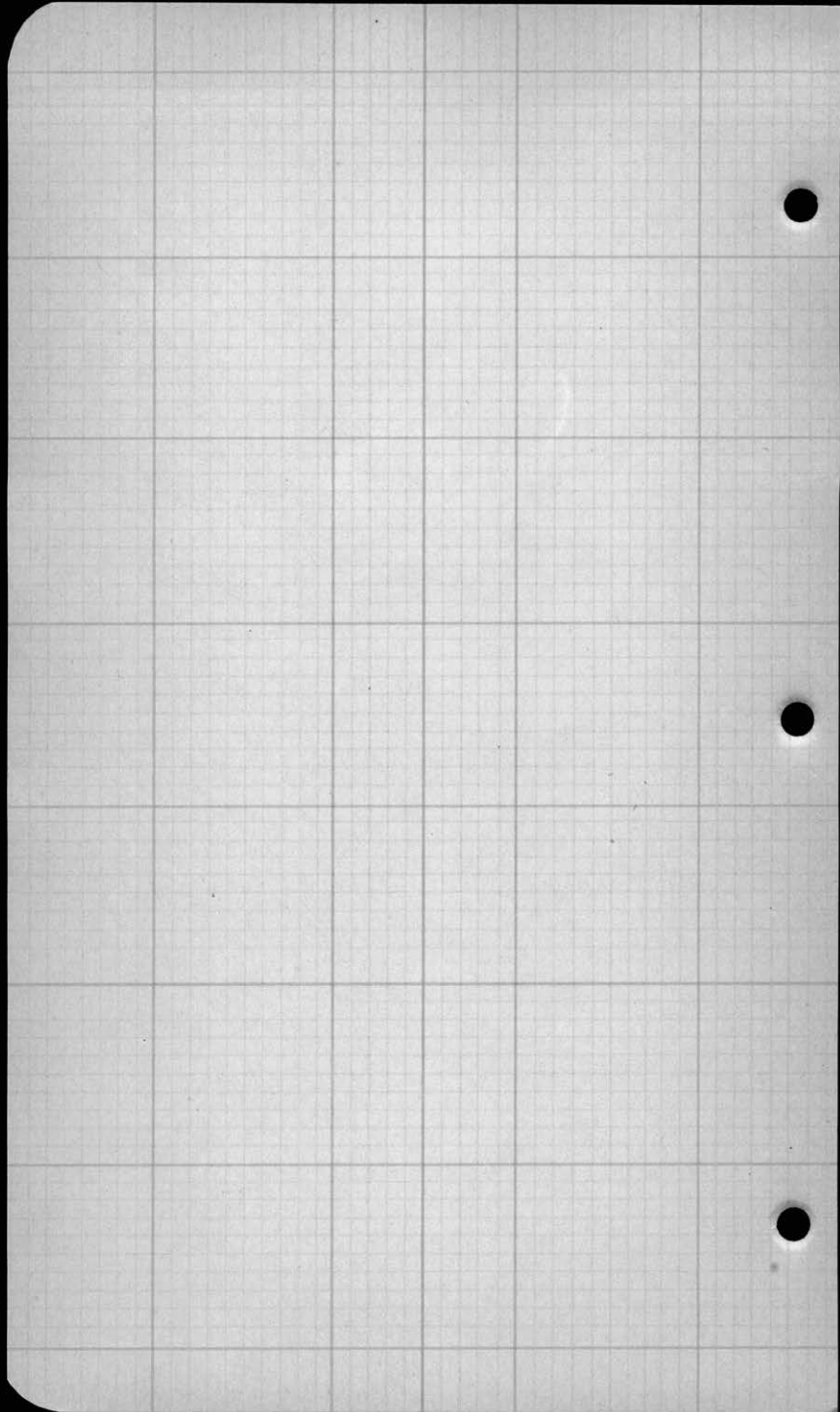


Project 88-C Final X-Sect. Borrow Pit #3

# Project 88-C Final X-Sect. Borrow Pit #4

Note:

Final X-Sect. on Borrow Pit #4 will be found in notes for regular final X-Sect. for Project 88-C.



Project 88-C Final X-Sect. Borrow Pit #5

1

Project 88-C Final X-Section, Barroxx Pit #5

Sta. B.S. H.I. F.S. Elev.

3

+35

2

| Sta. | B.S. | H.I.   | F.S. | Elev.  |
|------|------|--------|------|--------|
| T.P. | 8.90 | 115.18 | 1.83 | 106.28 |

+100

0+50

|      |      |        |        |
|------|------|--------|--------|
| B.M. | 1.83 | 108.11 | 106.28 |
|------|------|--------|--------|

May 28, 1923

Weather: Partly cloudy, Warm

A.L. Oglesby

E.P. Clements, Rod

# Project 88-C Final X-Section Barrow Pit #5

|            |            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 09.5       | 08.9       | 08.7       | 09.3       | 09.4       | 08.9       | 08.3       | 08.2       | 08.6       | 08.4       | 09.2       | 10.8       |
| <u>5.7</u> | <u>6.3</u> | <u>6.5</u> | <u>5.9</u> | <u>5.8</u> | <u>6.3</u> | <u>6.9</u> | <u>7.0</u> | <u>6.6</u> | <u>6.8</u> | <u>6.0</u> | <u>1.4</u> |
| 54         | 51.5       | 46         | 43         | 31         | 19         | 15         | 10         | 9          | 5.5        | 2.5        | 2          |

|            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 13.6       | 11.5       | 11.2       | 08.8       | 07.1       | 07.6       | 08.0       | 07.6       | 06.7       | 06.1       | 08.3       | 10.2       | 10.8       | 12.4       |
| <u>1.6</u> | <u>3.7</u> | <u>4.0</u> | <u>6.4</u> | <u>8.1</u> | <u>7.6</u> | <u>7.2</u> | <u>7.6</u> | <u>8.5</u> | <u>9.1</u> | <u>6.9</u> | <u>5.0</u> | <u>4.4</u> | <u>2.8</u> |
| 56.5       | 56         | 55         | 51.5       | 49.5       | 40         | 30         | 23         | 18         | 10.5       | 8.5        | 5          | 3.5        | 2.5        |

|            |            |            |            |            |            |            |            |            |             |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|
| 12.1       | 10.2       | 07.4       | 07.6       | 07.1       | 05.6       | 06.0       | 06.9       | 06.2       | 05.0        | 08.3       | 10.1       | 11.7       |
| <u>3.1</u> | <u>5.0</u> | <u>5.8</u> | <u>7.6</u> | <u>8.1</u> | <u>9.6</u> | <u>9.2</u> | <u>8.3</u> | <u>9.0</u> | <u>10.2</u> | <u>6.9</u> | <u>5.1</u> | <u>3.5</u> |
| 57         | 56         | 54.5       | 52         | 51         | 49         | 41         | 30.5       | 20.5       | 10          | 7          | 4          | 3.5        |

Nail in T.P.R. Sta. 1+10

|            |            |            |            |            |            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 03.7       | 02.6       | 02.7       | 01.8       | 02.4       | 03.0       | 02.6       | 02.1       | 02.1       | 02.6       | 02.8       | 03.4       | 05.1       |
| <u>4.4</u> | <u>5.5</u> | <u>5.4</u> | <u>6.3</u> | <u>5.7</u> | <u>5.1</u> | <u>5.5</u> | <u>6.0</u> | <u>6.0</u> | <u>5.5</u> | <u>5.3</u> | <u>4.7</u> | <u>3.0</u> |
| 54         | 50         | 48.5       | 47         | 40         | 29         | 18         | 14         | 8          | 7.5        | 5          | 4          | 3          |

0.0 Section

Nail in T.P.R. Sta. 1+10

Project 88-C Final X-Section, Borrow Pit #5

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

B.M.

4.52

110.66

3+25

115.18

Project 88-C Final X-Section Borrow Pit #5

3

Nail in F.P.R. Sta. 3+95

0.0 Section



Finals  
PetersonCont

Project 88-C Final X-Section, Peterson Contract

1

# Project 88-C Final X- Sect. Peterson Contract

| Sta.  | B.S. | H.I.    | F.S. | Elev.   |
|-------|------|---------|------|---------|
| +90   |      |         |      |         |
| +65   |      |         |      |         |
| +55   |      |         |      |         |
| 45    |      |         |      |         |
| 44+15 |      |         |      |         |
| T.P.  | 3.12 | 2537.47 | 8.31 | 2534.35 |
| B.M.  | 0.21 | 2542.66 |      | 2542.45 |

May 5, 1923

Weather: Partly cloudy, Windy

A.L. Ogle, A

E.P. Clements, Rod

# Project 88-C Final X-Section, Peterson Contract

2

351 322 328 329 335 338 337 332 330 338

$\frac{2.4}{3.3}$   $\frac{5.3}{28}$   $\frac{4.7}{25}$   $\frac{4.6}{22}$   $\frac{4.0}{17}$   $3.7$   $\frac{3.8}{18}$   $\frac{4.3}{20}$   $\frac{4.5}{29}$   $\frac{3.7}{30}$

352 316 318 334 340 340 330 332 344

$\frac{2.3}{34}$   $\frac{5.9}{28}$   $\frac{5.7}{24}$   $\frac{4.1}{19}$   $\frac{3.5}{18.5}$   $\frac{3.5}{23}$   $\frac{4.5}{29}$   $\frac{4.3}{29}$   $\frac{3.1}{30}$

352 326 317 321 334 338 340 340 332 331 335 345

$\frac{2.3}{33}$   $\frac{4.9}{30}$   $\frac{5.8}{28}$   $\frac{5.4}{23}$   $\frac{4.1}{20}$   $3.7$   $3.5$   $\frac{3.5}{18}$   $\frac{4.3}{24}$   $\frac{4.4}{27}$   $\frac{4.0}{29}$   $\frac{3.0}{30.5}$

340 316 319 328 329 336 333 325 322 328 329 336

$\frac{3.5}{33}$   $\frac{5.9}{30}$   $\frac{5.6}{29}$   $\frac{4.7}{19}$   $4.6$   $\frac{3.9}{8}$   $4.2$   $\frac{5.0}{20}$   $\frac{5.3}{23}$   $\frac{4.7}{28}$   $\frac{4.6}{29}$   $\frac{3.9}{30.5}$   $3.1$

335 335 334 327 321 318 320 324 322 322 311 313 313

$\frac{4.0}{70}$   $\frac{4.0}{62}$   $\frac{4.1}{49}$   $\frac{4.8}{31}$   $\frac{5.4}{30}$   $\frac{5.7}{27}$   $\frac{5.5}{27}$   $\frac{5.1}{18}$   $5.3$   $5.3$   $\frac{6.4}{18}$   $\frac{6.2}{27}$   $\frac{6.2}{28}$   $\frac{6.2}{32}$

Nail in T.P. # 3080

Spike in X-Fence Post W. Sta. 40+75

# Project 88-C Final X-Section Peterson Contract

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

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| 50 |  |  |  |  |
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| 49 |  |  |  |  |
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| 48 |  |  |  |  |
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| 47 |  |  |  |  |
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|------|--|--|--|--|
| T.P. |  |  |  |  |
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|--|------|--|--|--|
|  | 2.28 |  |  |  |
|--|------|--|--|--|

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|  |  | 2535.60 |  |  |
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|  |  |  | 4.15 |  |
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|  |  |  |  | 2533.32 |
|--|--|--|--|---------|

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| +25 |  |  |  |  |
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|----|--|--|--|--|
| 46 |  |  |  |  |
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|  |  |  |  | 2537.47 |
|--|--|--|--|---------|

# Project 88-C Final X-Sect. Peterson Contract.

3

310 288 216 282 217 301 219 281 214 281 213

$\frac{46}{32}$   $\frac{68}{31}$   $\frac{80}{28}$   $\frac{74}{24}$   $\frac{59}{20}$   $\frac{55}{20}$   $\frac{57}{25}$   $\frac{75}{29}$   $\frac{82}{31}$   $\frac{75}{31}$   $\frac{63}{33}$

209 215 284 281 219 308 301 215 213 212

$\frac{47}{31}$   $\frac{61}{30}$   $\frac{72}{28}$   $\frac{75}{25}$   $\frac{57}{20}$   $\frac{48}{18}$   $\frac{55}{25}$   $\frac{81}{30}$   $\frac{83}{30}$   $\frac{64}{33}$

327 320 307 300 286 290 301 311 307 286 280 287 302

$\frac{29}{35}$   $\frac{36}{34}$   $\frac{49}{31}$   $\frac{56}{29}$   $\frac{70}{25}$   $\frac{66}{22}$   $\frac{55}{20}$   $\frac{45}{19}$   $\frac{49}{24}$   $\frac{70}{28}$   $\frac{76}{30}$   $\frac{69}{30}$   $\frac{54}{33}$

332 213 214 312 319 321 324 321 301 300 309 319

$\frac{24}{335}$   $\frac{63}{27}$   $\frac{62}{23}$   $\frac{44}{20}$   $\frac{37}{16}$   $\frac{35}{17}$   $\frac{32}{17}$   $\frac{35}{24}$   $\frac{55}{24}$   $\frac{56}{285}$   $\frac{47}{31}$   $\frac{37}{33}$

Nail in TIR # 3077 R. Sta. 46+40

317 305 311 326 334 333 314 314 332

$\frac{58}{29}$   $\frac{70}{27}$   $\frac{64}{21}$   $\frac{49}{18}$   $\frac{41}{18}$   $\frac{42}{24}$   $\frac{61}{24}$   $\frac{61}{29}$   $\frac{43}{33}$

310 339 332

$\frac{35}{30}$   $\frac{36}{30}$   $\frac{43}{30}$

## Project 88-C Final X- Sect. Peterson Contract

Sta.      B.S.      H.I.      F.S.      Elev.

54

53+95

T.P.

5160

2536.53

5.07

2530.93

53

52

51

T.P.

5183

2536.00

5.43

2530.17

2535.60

# Project 88-C Final X-Sept. Peterson Contract

29.3 28.7 29.0 31.0 31.5 31.5 30.7 29.6 29.3 30.6 32.3

$\frac{72}{27} \frac{78}{25} \frac{75}{21} \frac{55}{14} 50 \frac{50}{14} \frac{58}{18} \frac{6.9}{22} \frac{7.2}{26} \frac{5.9}{28.5} \frac{4.2}{31}$

31.8 29.7 28.5 28.7 30.9 31.5 31.6 29.5 29.0 30.1 32.0

$\frac{4.7}{30} \frac{6.8}{28} \frac{8.0}{26} \frac{7.8}{23} \frac{5.6}{14} 50 \frac{4.9}{12} \frac{7.0}{23} \frac{7.5}{27} \frac{6.1}{29} \frac{4.5}{32}$

Nail in T.P. #3072 R.Sta. 52+90

31.5 29.0 29.6 28.3 30.3 30.8 30.5 28.0 27.5 28.6 30.1

$\frac{4.5}{23} \frac{7.0}{31} \frac{8.4}{28} \frac{7.7}{22} \frac{5.7}{17} 57 \frac{5.5}{17} \frac{8.0}{24} \frac{8.5}{29} \frac{7.4}{30.5} \frac{5.6}{33}$

31.6 29.1 27.9 28.4 30.5 31.1 30.8 27.9 27.5 28.3 30.4

$\frac{4.4}{31} \frac{6.9}{30} \frac{8.1}{28} \frac{7.6}{21} \frac{5.5}{16} 4.9 \frac{5.2}{16} \frac{8.1}{24} \frac{8.5}{28.5} \frac{7.7}{30} \frac{5.6}{33}$

31.0 28.9 29.5 28.0 29.6 30.1 31.0 30.8 29.2 27.8 27.5 28.5 30.3

$\frac{5.0}{31} \frac{7.1}{30} \frac{8.5}{27} \frac{8.0}{23.5} \frac{6.4}{20} \frac{5.9}{16} 50 \frac{5.2}{14} \frac{6.8}{20} \frac{8.2}{23} \frac{8.5}{28} \frac{7.5}{30} \frac{5.7}{33}$

Nail in T.P. # 3075 R.Sta. 49+60



## Project 88-C Final X-Section Peterson Contract

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

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| 58 |  |  |  |  |
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| 57 |  |  |  |  |
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|------|--|--|--|--|
| T.P. |  |  |  |  |
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|--|------|--|--|--|
|  | 0.42 |  |  |  |
|--|------|--|--|--|

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|--|--|---------|--|--|
|  |  | 2528.72 |  |  |
|--|--|---------|--|--|

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|  |  |  | 8.23 |  |
|--|--|--|------|--|

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|  |  |  |  | 2528.30 |
|--|--|--|--|---------|

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|----|--|--|--|--|
| 56 |  |  |  |  |
|----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| +50 |  |  |  |  |
|-----|--|--|--|--|

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| 55 |  |  |  |  |
|----|--|--|--|--|

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|-------|--|--|--|--|
| 54+20 |  |  |  |  |
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|--|--|---------|--|--|
|  |  | 2536.53 |  |  |
|--|--|---------|--|--|

# Project 88-C Final X-Section, Peterson Contract

5

218 231 238 237 231 210 209

$\frac{6.9}{21} \frac{5.6}{16} \frac{4.9}{13} \frac{5.0}{15} \frac{5.6}{15} \frac{7.7}{22} \frac{7.8}{23}$

218 243 247 256 261 257 237 233

$\frac{3.9}{25} \frac{4.4}{21} \frac{4.0}{19} \frac{3.1}{15} \frac{2.6}{14} \frac{3.0}{14} \frac{5.5}{16} \frac{5.4}{23}$

Nail in T.P. # 3070

311 281 285 293 295 289 279 287 288 303

$\frac{5.4}{24} \frac{8.4}{20} \frac{8.0}{16} \frac{7.2}{13} \frac{7.0}{12} \frac{7.6}{12} \frac{8.6}{15} \frac{8.3}{20} \frac{7.7}{21.5} \frac{6.2}{24}$

316 313 298 296 30.9 310 305 29.9 300 307 332

$\frac{1.9}{28} \frac{5.2}{23} \frac{6.7}{20} \frac{6.9}{18} \frac{5.6}{13} \frac{5.5}{12} \frac{6.0}{12} \frac{6.6}{16} \frac{6.5}{19} \frac{5.8}{21} \frac{3.3}{25}$

345 312 302 303 315 315 314 307 309 316 325 346

$\frac{2.0}{27} \frac{5.3}{22} \frac{6.3}{20} \frac{6.2}{17} \frac{5.0}{13} \frac{5.0}{12} \frac{5.1}{12} \frac{5.8}{15} \frac{5.6}{17.5} \frac{4.9}{20.5} \frac{3.0}{22} \frac{1.9}{26}$

325 307 297 300 310 316 313 302 308 327

$\frac{4.0}{27.5} \frac{5.8}{26} \frac{6.8}{23} \frac{6.5}{19} \frac{5.5}{14} \frac{4.9}{12} \frac{5.2}{12} \frac{6.3}{18} \frac{5.7}{23} \frac{3.8}{25}$

## Project 88-C Final X-Section Peterson Contract

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

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|------|--|--|--|--|
| B.M. |  |  |  |  |
|------|--|--|--|--|

4.59

2524.13

|       |  |  |  |  |
|-------|--|--|--|--|
| 58+85 |  |  |  |  |
|-------|--|--|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 58+55 |  |  |  |  |
|-------|--|--|--|--|

2528.72

Nail in T.P. # 3067 R. Sta. 60+30

|            |            |            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 21.5       | 21.3       | 21.5       | 23.3       | 23.2       | 22.0       | 20.8       | 20.8       |
| <u>7.2</u> | <u>7.4</u> | <u>7.2</u> | <u>5.4</u> | <u>5.5</u> | <u>5.7</u> | <u>7.9</u> | <u>7.9</u> |
| 21         | 20         | 15         | 11         |            | 13         | 16         | 24         |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 21.3       | 23.6       | 23.1       | 23.1       | 20.2       |
| <u>7.4</u> | <u>5.1</u> | <u>5.6</u> | <u>5.6</u> | <u>8.5</u> |
| 19.5       | 13         |            | 13         | 19         |

Project 88-C Final X-Section Peterson Contract

Sta.

B.S.

H.I.

F.S.

Elev.

Project 88-C Final X-Sect. Peterson Contract

7

Project 88-C Final X-Section Peterson Contract

Sta. B.S. H.I. F.S. Elev.

+35

98

+60

97

96+80

96+65

B.M.

5135

2550.62

2545.27

May 4, 1973

Weather: Bright, Cool, Very windy

A.L. Ogle, Jr.

E.P. Clements, Rod

# Project 88-C Final X-Section Peterson Contract

8

41.6 44.4 42.6 42.1 41.6 42.0 42.7 43.3 42.6 40.4 40.1 40.9 40.7 41.2  
6.0 6.2 8.0 8.5 9.0 8.6 7.9 7.3 8.0 10.2 10.5 9.7 9.9 9.4  
 30 26 23 20 19 10 5 8 16 20 23 28 30

45.3 43.7 43.1 42.1 42.2 42.8 42.5 42.3 41.1 41.1 41.9 41.7 42.1  
5.3 6.9 7.5 8.5 8.4 7.8 8.1 8.3 9.5 9.5 8.7 8.9 8.5  
 26 25 22 20 16 13 11 16 21 23 25 26

45.2 44.1 43.5 43.9 43.8 42.8 43.5 44.0 43.5  
5.4 6.5 7.4 6.7 6.8 7.8 7.1 6.6 7.1  
 25 22 18 7 19 22 23 28

44.7 45.0 44.3 44.3 44.5 43.6 44.7 44.0 44.5 45.1 45.7  
3.4 5.6 6.3 6.3 6.1 7.0 6.4 6.6 6.1 5.5 4.9  
 28 25 19 12 23 24 28 29.5 31 32

44.7 44.0 45.1 45.1 44.7 44.7 44.4 44.7 43.8 43.5 43.5 44.6  
2.9 3.6 4.9 5.5 5.9 5.9 6.2 5.9 6.8 7.1 7.1 6.0  
 31 28 25 23 18 8 15 20 24 28 30

44.0 45.1 44.4 44.9 45.2 45.9 46.2 45.5 45.5 43.7 43.5 43.1 42.7 44.4  
3.6 5.5 6.2 5.7 5.4 4.7 4.4 5.1 5.1 6.9 7.1 7.5 7.9 6.2  
 29 27 23 21 18 6 9 13 18 20 21 26 30

Nail in T.P.# 3037



# Project 88-C Final X-Section Peterson Contract

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

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|-----|--|--|--|--|
| 102 |  |  |  |  |
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| 101 |  |  |  |  |
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| 100 |  |  |  |  |
|-----|--|--|--|--|

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| +55 |  |  |  |  |
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| 99+45 |  |  |  |  |
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| T.P. |  |  |  |  |
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| 1.26 |  |  |  |  |
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| 2546.55 |  |  |  |  |
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| 5.33 |  |  |  |  |
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|---------|--|--|--|--|
| 2545.29 |  |  |  |  |
|---------|--|--|--|--|

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|----|--|--|--|--|
| 99 |  |  |  |  |
|----|--|--|--|--|

2550.62

# Project 88-C Final X-Sect. Peterson Contract

9

382 388 389 395 40.9 41.6 41.5 390 390

$\frac{8.4}{2.4} \frac{7.8}{2.0} \frac{7.7}{1.3} \frac{7.1}{.7} \frac{5.7}{.7} \frac{5.1}{1.4} \frac{7.6}{1.9} \frac{7.6}{2.2}$

398 399 389 385 387 40.9 41.5 41.4 387 387 385

$\frac{8.8}{2.6} \frac{8.7}{2.2} \frac{7.7}{1.9} \frac{8.1}{1.7} \frac{7.9}{1.4} \frac{5.7}{.5} \frac{5.1}{1.3} \frac{5.2}{2.0} \frac{7.9}{2.3} \frac{7.9}{2.3} \frac{8.1}{2.5}$

387 384 392 395 40.5 42.0 41.9 387 385

$\frac{7.9}{2.3} \frac{8.2}{1.9} \frac{7.4}{1.4} \frac{7.1}{.5} \frac{6.1}{.7} \frac{4.6}{1.3} \frac{4.7}{2.2} \frac{7.9}{2.2} \frac{8.1}{2.8}$

40.9 41.3 397 401 40.6 41.6 41.2 388 391 387

$\frac{5.7}{3.8} \frac{5.3}{1.8} \frac{6.9}{1.6} \frac{6.5}{1.6} \frac{6.0}{.5} \frac{5.0}{1.3} \frac{5.4}{1.9} \frac{7.8}{2.1} \frac{7.5}{2.1} \frac{7.9}{2.9}$

411 413 398 402 401 40.7 40.5 390 390 395 389 388

$\frac{5.5}{2.7} \frac{5.3}{1.9} \frac{6.8}{1.7} \frac{6.4}{1.4} \frac{6.5}{.8} \frac{5.7}{1.3} \frac{6.1}{1.7} \frac{7.6}{1.9} \frac{7.6}{2.0} \frac{7.1}{2.2} \frac{7.7}{2.9} \frac{7.8}{2.9}$

Nail in T.P. # 3037

42.3 42.0 40.9 40.7 41.7 41.5 384 395 40.0 397 392

$\frac{8.3}{2.5} \frac{8.6}{2.4} \frac{9.7}{2.1} \frac{9.9}{1.7} \frac{8.9}{1.2} \frac{9.1}{1.8} \frac{12.2}{1.8} \frac{11.1}{2.0} \frac{10.6}{2.2} \frac{10.9}{2.2} \frac{11.4}{2.6}$

# Project 88-C Final X-Section Peterson Contract

Sta.

B.S.

H.I.

F.S.

Elev.

B.M.

1.82

2544.72

102+90

2546.55

Spike in T.P. # 30334, Sta. 103+62

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 398 | 401 | 410 | 415 | 411 | 403 | 407 | 421 | 418 |
| 68  | 65  | 516 | 511 | 515 | 63  | 59  | 45  | 48  |
| 23  | 18  | 16  |     | 12  | 16  | 19  | 22  | 27  |

Project 88-C Final X-Section, Peterson Contract

Sta.

B.S.

H.I.

F.S.

Elev.

Project 88-C Final X-sect. Peterson Contract

//

Project 88-C Final X-Section Peterson Contract

Final  
X-Sect.



Project 88-C Final X-Section

1

# Project 88-C Final X-Section

| Sta.    | B.S. | H.I. | F.S. | Elev. |
|---------|------|------|------|-------|
| 2-A     |      |      |      |       |
| 1+50-A  |      |      |      |       |
| 1+00-A  |      |      |      |       |
| 0+50-A  |      |      |      |       |
| 0+00-A  |      |      |      |       |
| -1+00-A |      |      |      |       |

B.M. 8.22 2553.23 2545.01

May 9, 1923

Weather: Bright, Very cool.

A.W. Ogle, Jr.

E.P. Clements, Rod

# Project 88-C Final X-Section.

43.7 44.0 44.2 43.8 43.0

$\frac{9.5}{12}$   $\frac{9.2}{12}$  9.0  $\frac{9.4}{12.5}$   $\frac{12.2}{14}$

45.6 46.0 46.2 45.9 45.2

$\frac{7.6}{12}$   $\frac{7.2}{11}$  7.0  $\frac{7.3}{12.5}$   $\frac{8.0}{13.5}$

47.0 48.0 48.1 47.6 46.9

$\frac{5.8}{13}$   $\frac{5.2}{12}$  5.1  $\frac{5.6}{12}$   $\frac{6.2}{14}$

48.6 49.0 49.2 48.7 48.0

$\frac{4.6}{12}$   $\frac{4.2}{11}$  4.0  $\frac{4.5}{12}$   $\frac{5.2}{14}$

50.0 50.2 50.1 49.8 49.2

$\frac{3.2}{11}$   $\frac{3.0}{9}$  3.1  $\frac{3.4}{13.5}$   $\frac{4.0}{16}$

0.0 Section

Nail in F.P.R. Sta. 1+95-A

## Project 88-C Final X-Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

|        |  |  |  |  |
|--------|--|--|--|--|
| 6+40-A |  |  |  |  |
|--------|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| 6-A |  |  |  |  |
|-----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| 5-A |  |  |  |  |
|-----|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| T.P. |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 0.12 |  |  |  |  |
|------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| 2534.67 |  |  |  |  |
|---------|--|--|--|--|

|       |  |  |  |  |
|-------|--|--|--|--|
| 11.13 |  |  |  |  |
|-------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| 2534.55 |  |  |  |  |
|---------|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| 4-A |  |  |  |  |
|-----|--|--|--|--|

|     |  |  |  |  |
|-----|--|--|--|--|
| 3-A |  |  |  |  |
|-----|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| T.P. |  |  |  |  |
|------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 0.67 |  |  |  |  |
|------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| 2545.68 |  |  |  |  |
|---------|--|--|--|--|

|      |  |  |  |  |
|------|--|--|--|--|
| 8.22 |  |  |  |  |
|------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| 2545.01 |  |  |  |  |
|---------|--|--|--|--|

|         |  |  |  |  |
|---------|--|--|--|--|
| 2553.23 |  |  |  |  |
|---------|--|--|--|--|

# Project 88-C Final X- Sect.

3

270 277 278 267 259

$\frac{77}{13}$   $\frac{70}{12}$  6.9  $\frac{80}{12}$   $\frac{88}{14}$

278 282 286 277 271

$\frac{69}{13}$   $\frac{65}{11}$  6.1  $\frac{70}{12}$   $\frac{76}{13}$

300 312 314 317 303 299

$\frac{47}{14}$   $\frac{35}{12}$  3.3  $\frac{25}{6}$   $\frac{44}{13}$   $\frac{48}{14.5}$

Nail in F.P. R. Sta. 3+15

343 348 348 340 335

$\frac{11.4}{13.5}$   $\frac{10.9}{11}$  10.9  $\frac{11.7}{14}$   $\frac{2.2}{15.5}$

387 392 394 385 380

$\frac{7.0}{13.5}$   $\frac{6.5}{11}$  6.3  $\frac{7.2}{14.5}$   $\frac{7.7}{17}$

Nail in F.P. R. Sta. 1+95-A

# Project 88-C Final X-Section.

| Sta.   | B.S. | H.I.    | F.S.  | Elev.   |
|--------|------|---------|-------|---------|
| 9-A    |      |         |       |         |
| 8+70-A |      |         |       |         |
| 8-A    |      |         |       |         |
| 7+25-A |      |         |       |         |
| T.P.   | 6.67 | 2530.28 | 11.06 | 2523.61 |
| 7-A    |      |         |       |         |
| 6+80-A |      |         |       |         |

# Project 88-C Final X-Section

7

23.8 21.8 25.5 25.9 25.2 21.2

$\frac{6.5}{15}$   $\frac{5.5}{14}$   $\frac{4.8}{13}$   $4.4$   $\frac{5.1}{12}$   $\frac{6.1}{15}$

21.6 25.2 25.6 25.0 21.3 22.2

$\frac{5.7}{13}$   $\frac{5.1}{12}$   $4.7$   $\frac{5.3}{13.5}$   $\frac{6.0}{15}$   $\frac{8.1}{18}$

21.7 25.5 25.8 25.1 21.3

$\frac{5.6}{13}$   $\frac{4.8}{10}$   $4.5$   $\frac{5.2}{11}$   $\frac{6.0}{12}$

25.6 26.3 26.6 25.8 25.1

$\frac{4.7}{12}$   $\frac{4.0}{11.5}$   $3.7$   $\frac{4.5}{12}$   $\frac{5.2}{13}$

Nail in F.P.R. Sta. 6+05-A

25.5 26.4 26.9 26.1 25.3

$\frac{8.2}{13}$   $\frac{8.3}{12}$   $7.8$   $\frac{8.6}{12}$   $\frac{9.1}{14}$

26.1 26.8 27.3 26.5 25.8

$\frac{8.6}{13.1}$   $\frac{7.9}{12}$   $7.4$   $\frac{8.2}{12}$   $\frac{8.9}{12.5}$

## Project 88-C Final X-Sect.

| Sta.    | B.S. | H.I.    | F.S. | Elev.   |
|---------|------|---------|------|---------|
| 14-A    |      |         |      |         |
| 13+60-A |      |         |      |         |
| 13-A    |      |         |      |         |
| 12-A    |      |         |      |         |
| 11-A    |      |         |      |         |
| 10-A    |      |         |      |         |
| T.P.    | 9.29 | 2533.86 | 5.71 | 2524.57 |

May 21, 1923

Weather: Cloudy, Cool

A.L. Ogle, ~~W~~

E.P. Clements, Rod

2530.28



# Project 88-C Final K-Sect.

29.2 30.5 30.8 30.3 29.3

$\frac{4.7}{13}$   $\frac{3.4}{12}$  3.1  $\frac{3.6}{11}$   $\frac{4.6}{12.5}$

30.3 31.1 31.1 30.9 30.3

$\frac{3.6}{13}$   $\frac{2.9}{11.5}$  2.8  $\frac{3.0}{11.5}$   $\frac{3.6}{12.5}$

29.0 30.1 30.5 30.1 28.9

$\frac{4.9}{11.5}$   $\frac{3.8}{11}$  3.4  $\frac{3.8}{12}$   $\frac{5.0}{12.5}$

26.5 27.6 28.0 28.3 28.5 27.9 26.8

$\frac{7.1}{15}$  6.3  $\frac{5.9}{11.5}$   $\frac{5.6}{10}$  5.4 6.0  $\frac{7.1}{14}$

26.2 26.9 27.3 26.8 25.6

$\frac{7.7}{13.5}$   $\frac{7.0}{12.5}$  6.6  $\frac{7.1}{13}$   $\frac{8.3}{15}$

25.3 26.4 26.7 26.2 25.3

$\frac{8.6}{14}$   $\frac{7.5}{12.5}$  7.2  $\frac{7.7}{10.5}$   $\frac{8.6}{13}$

Nail in T.P. # 3127 (New)

# Project 88-C Final X- Sect.

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 20-A |      |         |      |         |
| 19-A |      |         |      |         |
| 18-A |      |         |      |         |
| 17-A |      |         |      |         |
| T.P. | 4.42 | 2531.35 | 6.93 | 2526.93 |
| 16-A |      |         |      |         |
| 15-A |      |         |      |         |

2533.86

# Project 88-C Final X-Sect.

6

213 249 261 260 256 245 237

$\frac{7.1}{15}$   $\frac{6.5}{14}$   $\frac{5.3}{12.5}$  5.4  $\frac{5.8}{12}$   $\frac{6.9}{14}$   $\frac{7.7}{15}$

244 252 260 264 257 249 238

$\frac{7.0}{16}$   $\frac{6.2}{15}$   $\frac{5.4}{13}$  5.0  $\frac{5.7}{13}$   $\frac{6.5}{15}$   $\frac{7.6}{16}$

257 266 269 263 254 234

$\frac{5.7}{14}$   $\frac{4.8}{12.5}$   $\frac{4.5}{12.5}$   $\frac{5.1}{12.5}$   $\frac{6.0}{14}$   $\frac{8.0}{15}$

261 270 272 267 255

$\frac{5.3}{13.5}$   $\frac{4.4}{12}$   $\frac{4.2}{12}$   $\frac{4.7}{11.5}$   $\frac{5.9}{13.5}$

Nail in T.P. # 3123 L. Sta. 16+05-A

270 277 283 275 264

$\frac{6.9}{12.5}$   $\frac{6.2}{10.5}$  5.6  $\frac{6.4}{11.5}$   $\frac{7.5}{14}$

282 289 290 282 272

$\frac{5.7}{13.5}$   $\frac{5.0}{12}$   $\frac{4.9}{12}$   $\frac{5.7}{13}$   $\frac{6.7}{14}$

# Project 88-C Final X-Section.

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 26-A |      |         |      |         |
| 25-A |      |         |      |         |
| 24-A |      |         |      |         |
| 23-A |      |         |      |         |
| 22-A |      |         |      |         |
| 21-A |      |         |      |         |
| T.P. | 7.19 | 2521.87 | 6.67 | 2524.68 |

2531.35

# Project 88-C Final X- Sect

7

302 313 314 309 298 289

$\frac{1.7}{12.1}$   $\frac{0.6}{12}$   $0.5$   $\frac{1.0}{10.5}$   $\frac{2.1}{13}$   $\frac{3.1}{14}$

279 290 291 286 298

$\frac{4.0}{15.5}$   $\frac{2.9}{13.5}$   $\frac{2.8}{11}$   $\frac{3.3}{12}$   $\frac{4.1}{12}$

274 280 281 274 262

$\frac{4.5}{14}$   $\frac{3.9}{13}$   $3.8$   $\frac{4.5}{11}$   $\frac{5.7}{13}$

261 266 269 265 253 243

$\frac{5.8}{13}$   $\frac{5.3}{12.5}$   $5.0$   $\frac{5.4}{11}$   $\frac{6.6}{12.5}$   $\frac{7.6}{13}$

253 262 267 261 250

$\frac{6.6}{13}$   $\frac{5.7}{12.5}$   $5.2$   $\frac{5.8}{10}$   $\frac{6.9}{11}$

248 260 262 256 244

$\frac{7.1}{13}$   $\frac{5.9}{12}$   $5.7$   $\frac{6.3}{11}$   $\frac{7.5}{12}$

Nail in T.P. # 3119 L. Sta. 21+25

# Project 88-C Final X-Section

| Sta. | B.S.  | H.I.    | F.S. | Elev.   |
|------|-------|---------|------|---------|
| 30-A |       |         |      |         |
| T.P. | 9.57  | 2553.83 | 3.60 | 2544.26 |
| 29-A |       |         |      |         |
| T.P. | 11.45 | 2547.86 | 4.82 | 2536.41 |
| 28-A |       |         |      |         |
| 27-A |       |         |      |         |
| T.P. | 11.05 | 2541.23 | 1.69 | 2530.18 |
|      |       | 2531.87 |      |         |

# Project 88-C Final X- Sect.

185 41.4 50.0 49.9 18.8

$\frac{5.3}{12.5}$   $\frac{4.4}{11.5}$   $\frac{3.8}{11.5}$   $\frac{3.9}{11.5}$   $\frac{5.0}{13}$

8

Nail in T.P. # 3112 L. Sta. 29+40 -A

43.0 44.1 44.8 44.5 43.0

$\frac{4.9}{12.5}$   $\frac{3.8}{11}$   $\frac{3.1}{10}$   $\frac{3.4}{10}$   $\frac{4.9}{12}$

Spike in T.P. # 3113 L. Sta. 28+10 -A

28.7 29.8 29.9 29.4 28.8

$\frac{2.5}{12.5}$   $\frac{1.4}{11}$   $\frac{1.3}{11.5}$   $\frac{1.8}{11.5}$   $\frac{2.4}{13.5}$

23.6 24.6 24.8 24.6 23.1 22.2

$\frac{7.6}{14}$   $\frac{6.6}{12}$   $\frac{6.4}{9.5}$   $\frac{6.6}{12}$   $\frac{8.1}{12}$   $\frac{9.0}{13}$

Nail in T.P. # 3115 L. Sta. 26 -A

# Project 88-C Final X-Section

| Sta. | B.S.  | H.I.    | F.S.  | Elev.   |
|------|-------|---------|-------|---------|
| 34-A |       |         |       |         |
| T.P. | 1121  | 2550.70 | 10.61 | 2549.49 |
| 33-A |       |         |       |         |
| 32-A |       |         |       |         |
| 31-A |       |         |       |         |
| T.P. | 5159  | 2560.10 | 0.83  | 2554.51 |
| B.M. | 11108 | 2555.34 |       | 2544.26 |

July 3, 1923

Weather: Partly cloudy, Warm

A. W. Ogle, Jr.

L. M. Wedner, Rod

J. C. Broady, Chain



# Project 88-C Final X-Section.

9

47.1 48.5 48.6 48.6 46.6

$\frac{3.6}{16} \frac{2.2}{13} \frac{2.1}{11} \frac{2.1}{11} \frac{4.1}{15}$

Nail Top Hub in bank R. Sta. 33+50-A

52.0 53.3 53.4 53.0 52.2

$\frac{8.1}{14} \frac{6.8}{11} \frac{6.7}{11} \frac{7.1}{11} \frac{7.9}{13}$

54.3 55.5 55.7 55.6 54.5

$\frac{5.8}{15} \frac{4.6}{11} \frac{4.4}{11} \frac{4.5}{11} \frac{5.6}{15}$

53.0 53.8 54.1 54.0 52.6

$\frac{7.1}{14} \frac{6.3}{12} \frac{6.0}{11} \frac{6.1}{11} \frac{7.5}{15}$

Nail in T.P. # 3111 (New)

Nail in T.P. # 3112

## Project 88-C Final X-Section

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

39-A

38-A

|      |      |         |       |         |
|------|------|---------|-------|---------|
| T.P. | 1.13 | 2530.17 | 11.75 | 2529.04 |
|------|------|---------|-------|---------|

37-A

36-A

|      |      |         |       |         |
|------|------|---------|-------|---------|
| T.P. | 0.75 | 2540.79 | 10.66 | 2540.04 |
|------|------|---------|-------|---------|

35-A

2550.70

# Project 88-C Final X-Sect.

10

$$\begin{array}{r} 23.4 \ 25.1 \ 25.5 \ 25.0 \ 22.8 \\ 6.8 \ 4.8 \ 4.7 \ 5.2 \ 7.4 \\ \hline 13 \ 10 \ 11 \ 11 \ 15 \end{array}$$

$$\begin{array}{r} 24.8 \ 25.6 \ 27.6 \ 27.9 \ 27.2 \ 25.1 \\ 5.1 \ 4.6 \ 2.6 \ 2.3 \ 3.0 \ 5.1 \\ \hline 15 \ 14 \ 11 \ 12 \ 12 \ 15.5 \end{array}$$

Nail in F.P.R. Sta. 37+10

$$\begin{array}{r} 30.2 \ 31.7 \ 31.9 \ 31.5 \ 28.9 \\ 10.6 \ 9.1 \ 8.9 \ 9.3 \ 11.9 \\ \hline 14 \ 11 \ 13 \ 11 \ 17 \end{array}$$

$$\begin{array}{r} 36.3 \ 37.2 \ 37.4 \ 37.0 \ 35.2 \\ 4.5 \ 3.6 \ 3.4 \ 3.8 \ 5.6 \\ \hline 13 \ 11 \ 12 \ 12 \ 15 \end{array}$$

Nail in F.P.R. Sta. 36+00

$$\begin{array}{r} 42.6 \ 43.3 \ 43.3 \ 42.9 \ 41.8 \\ 8.1 \ 7.4 \ 7.4 \ 7.8 \ 8.9 \\ \hline 15 \ 13 \ 12 \ 14 \ 14 \end{array}$$

# Project 88-C Final X-Section

| Sta. | B.S. | H.I.    | F.S.  | Elev.   |
|------|------|---------|-------|---------|
| 45-A |      |         |       |         |
| 44-A |      |         |       |         |
| 43-A |      |         |       |         |
| 42-A |      |         |       |         |
| T.P. | 8.56 | 2528.40 | 10.33 | 2519.84 |
| 41-A |      |         |       |         |
| 40-A |      |         |       |         |

2530.17

# Project 88-C Final X-Sept.

2571 261 263 256 239

$\frac{3.3}{13}$   $\frac{2.3}{11}$  21  $\frac{2.8}{13}$   $\frac{1.5}{16}$

203 221 241 244 236 219 208

$\frac{8.1}{15}$   $\frac{6.3}{14}$   $\frac{1.3}{11}$  4.0  $\frac{4.8}{13}$   $\frac{6.5}{15}$   $\frac{7.6}{16}$

215 227 221 225 203

$\frac{6.9}{14}$   $\frac{5.7}{12}$  5.3  $\frac{5.9}{11}$   $\frac{8.1}{15}$

204 222 225 220 198 193

$\frac{8.0}{15}$   $\frac{6.2}{12}$  5.9  $\frac{6.4}{12}$   $\frac{8.6}{16}$   $\frac{9.1}{17}$

Nail in Tip #3103

216 229 230 223 210 200

$\frac{8.6}{12}$   $\frac{7.3}{10}$  7.2  $\frac{7.9}{12}$   $\frac{9.2}{15}$   $\frac{10.7}{16}$

217 237 240 235 218

$\frac{8.5}{13}$   $\frac{6.5}{9}$  6.2  $\frac{6.7}{12}$   $\frac{8.4}{15}$

## Project 88-C Final X-Section.

| Sta.                                                                                                        | B.S.  | I.I.    | F.S.  | Elev.   |
|-------------------------------------------------------------------------------------------------------------|-------|---------|-------|---------|
| 48-A                                                                                                        |       |         |       |         |
| B.M.                                                                                                        | 1.03  | 2550.20 |       | 2549.17 |
| June 27, 1923<br>Weather: Cloudy, Damp, Cool<br>A.L. Ogles, T<br>L.M. Wedner, Rod<br>J.C. Broady, Chain     |       |         |       |         |
| B.M.                                                                                                        |       |         | 2.31  | 2533.19 |
| 47-A                                                                                                        |       |         |       |         |
| 46-A                                                                                                        |       |         |       |         |
| T.P.                                                                                                        | 10.91 | 2535.50 | 4.30  | 2524.59 |
| T.P.                                                                                                        | 11.78 | 2528.89 | 11.29 | 2517.11 |
| July 10, 1923<br>Weather: Bright, Hot<br>A.L. Ogles, T<br>L.M. Wedner, Rod<br>J.C. Broady, Chain<br>2528.40 |       |         |       |         |

# Project 88-C Final X-Section

12

38.1 39.2 39.7 38.8 36.7

$\frac{11.8}{16}$   $\frac{11.0}{13}$  10.5  $\frac{11.4}{11}$   $\frac{13.5}{16}$

Nail in Tree L. Sta. 48+25-A

Nail Top Hub L. Sta. 45+50

33.9 34.8 34.5 34.1 32.7

$\frac{11.6}{16}$   $\frac{0.7}{13}$  1.0  $\frac{1.4}{11}$   $\frac{2.8}{14}$

29.4 30.3 30.1 29.6 29.7

$\frac{6.1}{14}$   $\frac{5.2}{11}$  5.4  $\frac{5.9}{10}$   $\frac{7.8}{13}$

Nail in T.P. # 3100

Nail in T.P. # 3101

# Project 88 -C Final X-Section

| Sta. | B.S. | H.I.    | I.F.S. | Elev.   |
|------|------|---------|--------|---------|
| TIP. | 3.62 | 2558.03 | 4.29   | 2554.41 |

53-A

52-A

51-A

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 9.53 | 2558.70 | 1.03 | 2549.17 |
|------|------|---------|------|---------|

50-A

49-A

2550.20



Nail Top Hub L. Sta. 52-A

|            |            |      |            |            |
|------------|------------|------|------------|------------|
| 52.6       | 54.1       | 54.7 | 53.8       | 52.0       |
| <u>6.1</u> | <u>4.6</u> | 4.0  | <u>4.9</u> | <u>6.7</u> |
| 15         | 13         |      | 12         | 16         |

|            |            |      |            |            |
|------------|------------|------|------------|------------|
| 52.5       | 54.3       | 54.6 | 52.8       | 52.4       |
| <u>6.2</u> | <u>4.4</u> | 4.1  | <u>4.9</u> | <u>6.2</u> |
| 15         | 12         |      | 12         | 15         |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| 50.3       | 50.8       | 52.1       | 52.5       | 51.8       | 50.1       |
| <u>8.1</u> | <u>7.9</u> | <u>6.6</u> | <u>6.2</u> | <u>6.9</u> | <u>8.6</u> |
| 16         | 15         | 12         |            | 11         | 15         |

Nail in Tree L. Sta. 48+25-A

|            |            |      |            |            |
|------------|------------|------|------------|------------|
| 47.1       | 48.5       | 48.6 | 48.0       | 46.3       |
| <u>3.1</u> | <u>1.7</u> | 1.6  | <u>2.2</u> | <u>3.9</u> |
| 17         | 13         |      | 11         | 15         |

|            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 43.9       | 44.6       | 44.6       | 43.9       | 42.1       |
| <u>6.3</u> | <u>5.6</u> | <u>5.6</u> | <u>6.3</u> | <u>8.1</u> |
| 14         | 12         |            | 12         | 16         |

# Project 88-C Final X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 59-A |      |         |      |         |
| T.P. | 4.32 | 2555.35 | 7.00 | 2551.03 |
| 58-A |      |         |      |         |
| 57-A |      |         |      |         |
| 56-A |      |         |      |         |
| 55-A |      |         |      |         |
| 54-A |      |         |      |         |
|      |      | 2558.03 |      |         |

# Project 88-C Final X-Section.

14

50.9 51.4 51.7 51.1 49.5

$\frac{4.5}{14}$   $\frac{4.0}{11}$  3.7  $\frac{4.3}{12}$   $\frac{5.9}{15}$

Nail Top Hub L. Sta. 58+15

50.2 51.2 51.8 51.0 48.4

$\frac{7.8}{15}$   $\frac{6.8}{13}$  6.2  $\frac{7.0}{13}$   $\frac{9.6}{17}$

48.3 49.4 51.8 52.3 51.7 48.3

$\frac{9.7}{18}$   $\frac{8.6}{17}$  6.2 5.7  $\frac{6.2}{11}$   $\frac{9.7}{17}$

47.9 51.4 52.1 52.3 48.8

$\frac{8.1}{16}$   $\frac{5.6}{12}$  5.3 5.7  $\frac{9.2}{14}$

51.8 51.9 53.4 52.6 50.7

$\frac{6.2}{15}$   $\frac{5.1}{12}$  4.6 5.4  $\frac{7.3}{16}$

52.0 53.3 53.1 52.9 51.7

$\frac{6.0}{15}$   $\frac{4.7}{12}$  4.3 5.1  $\frac{6.3}{16}$

# Project 88-C Final X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 39   |      |         |      |         |
| 38   |      |         |      |         |
| 37   |      |         |      |         |
| T.P. | 1.13 | 2554.28 | 2.10 | 2553.25 |

36

Equation

$$60 + 20.7 - A = 35 + 39.8$$

60-A

2555.35

# Project 88-C Final X-Sect.

15

12.4 11.3 11.3 12.6 12.5

$\frac{11.0}{15}$   $\frac{10.1}{11}$  10.1  $\frac{10.8}{13}$   $\frac{11.9}{16}$

11.8 16.4 16.9 15.8 11.8 11.3

$\frac{9.6}{15}$   $\frac{8.0}{12}$  7.5  $\frac{8.6}{13}$   $\frac{9.6}{16}$  10.1

12.1 11.0 11.3 12.7 11.3

$\frac{6.0}{14}$   $\frac{5.4}{12}$  5.1  $\frac{5.7}{13}$   $\frac{7.1}{16}$

Nail in F.P. L. Sta. 26+50

11.6 50.4 50.8 50.1 12.3

$\frac{5.8}{14}$   $\frac{5.0}{11}$  1.6  $\frac{5.2}{12}$   $\frac{7.1}{16}$

50.3 50.8 51.2 51.5 50.6 11.5 11.0

$\frac{5.1}{14}$   $\frac{4.6}{13}$   $\frac{4.2}{11}$  3.9  $\frac{4.8}{13}$   $\frac{5.9}{15}$   $\frac{6.1}{16}$

50.9 51.4 51.7 51.0 11.8

$\frac{4.5}{14}$   $\frac{4.0}{11}$  3.7  $\frac{4.4}{13}$   $\frac{5.6}{16}$

# Project 88-C Final X-Section

| Sta. | B.S. | H.I.    | F.S.  | Elev.   |
|------|------|---------|-------|---------|
| 43   |      |         |       |         |
| +50  |      |         |       |         |
| 42   |      |         |       |         |
| +50  |      |         |       |         |
| 41   |      |         |       |         |
| T.P. | 0.28 | 2542.75 | 11.91 | 2542.47 |
| 40   |      |         |       |         |
|      |      | 2554.38 |       |         |

# Project 88-C Final X-Sept.

16

34.2 33.9 32.4 32.1 31.4 30.9 31.8 31.0 35.7 35.9 35.3 33.0 32.2

$\frac{8.6}{81}$   $\frac{8.9}{69}$   $\frac{10.4}{55}$   $\frac{10.7}{38}$   $\frac{11.4}{30}$   $\frac{11.9}{25}$   $\frac{11.0}{24}$   $\frac{8.8}{16}$   $\frac{7.1}{12}$   $\frac{6.9}{12}$   $\frac{7.5}{12}$   $\frac{9.8}{18}$   $\frac{10.6}{19}$

34.6 36.4 36.6 35.8 33.2

$\frac{8.2}{17}$   $\frac{6.4}{12}$   $\frac{6.2}{12}$   $\frac{7.0}{12}$   $\frac{9.6}{19}$

35.9 37.3 37.5 36.8 35.5

$\frac{6.9}{15}$   $\frac{5.5}{11}$   $\frac{5.3}{12}$   $\frac{6.0}{12}$   $\frac{7.2}{17}$

35.4 36.5 38.2 38.3 37.8 35.7

$\frac{7.4}{22}$   $\frac{6.2}{17}$   $\frac{4.6}{12}$   $\frac{4.5}{11}$   $\frac{5.0}{11}$   $\frac{7.1}{17}$

36.9 37.5 37.2 39.5 38.8 36.7

$\frac{5.7}{18}$   $\frac{5.3}{17}$   $\frac{3.6}{12}$   $\frac{3.3}{12}$   $\frac{4.0}{12}$   $\frac{6.1}{17}$

Spike in Cor. F.P. L. Sta. 40+75

39.9 41.4 41.9 41.0 39.4 38.8

$\frac{14.5}{15}$   $\frac{13.0}{11}$   $\frac{12.5}{12}$   $\frac{13.4}{12}$   $\frac{15.0}{17}$   $\frac{15.6}{18}$

# Project 88-C Final X- Sect.

Stal.

B.S.

H.I.

F.S.

Elev.

+50

+45

43

2542.75



# Project 88-C Final X- Sect.

17

367 355

$\frac{61}{200} \quad \frac{73}{194}$

341 315 338 335 330 320 323 321  
 $\frac{8.1}{182} \quad \frac{8.3}{160} \quad \frac{9.0}{155} \quad \frac{9.3}{133} \quad \frac{9.8}{128} \quad \frac{10.8}{117} \quad \frac{10.5}{100} \quad \frac{10.7}{91}$

325 323 316 314 298 289 322 336 354 356 351 332 325  
 $\frac{10.3}{82} \quad \frac{10.5}{65} \quad \frac{11.2}{56} \quad \frac{11.4}{40} \quad \frac{13.0}{31} \quad \frac{13.9}{26} \quad \frac{10.6}{21} \quad \frac{9.2}{16} \quad \frac{7.4}{11} \quad \frac{7.2}{12} \quad \frac{7.7}{12} \quad \frac{9.6}{17} \quad \frac{12.3}{18}$

370 358 350

$\frac{5.8}{200} \quad \frac{7.0}{193} \quad \frac{7.8}{181}$

318 338 334 330 327 324 323 328  
 $\frac{8.0}{167} \quad \frac{9.0}{150} \quad \frac{9.4}{134} \quad \frac{9.8}{121} \quad \frac{10.6}{121} \quad \frac{10.4}{100} \quad \frac{10.5}{88} \quad \frac{10.0}{81}$

326 318 317 313 300 296 325 338 354 356 351 327  
 $\frac{10.2}{65} \quad \frac{11.0}{56} \quad \frac{11.1}{43} \quad \frac{11.5}{35} \quad \frac{12.8}{30} \quad \frac{13.2}{26} \quad \frac{10.3}{20} \quad \frac{9.0}{15} \quad \frac{7.4}{11} \quad \frac{7.2}{12} \quad \frac{7.7}{13} \quad \frac{10.1}{18}$

378 379 360 350 344 343

$\frac{5.0}{186} \quad \frac{5.9}{171} \quad \frac{6.8}{149} \quad \frac{7.8}{125} \quad \frac{8.4}{100} \quad \frac{8.5}{90}$

# Project 88-C Final X-Section.

Sta.

B.S.

H.I.

F.S.

Elev.

+15

44

43760

2542.75

# Project 88-C Final X-Sect.

18

302 299 296 287 288 318 330 349 352 345 3216

$\frac{12.6}{57} \frac{12.9}{40} \frac{13.2}{35} \frac{14.1}{31} \frac{14.0}{28} \frac{11.0}{21} \frac{9.8}{16} \frac{7.9}{12} \frac{7.6}{12} \frac{8.3}{12} \frac{10.2}{17}$

354 338 328 313

$\frac{7.4}{199} \frac{9.0}{186} \frac{9.0}{175} \frac{9.5}{155}$

328 326 325 319 316 321 319 312 309

$\frac{10.0}{151} \frac{10.2}{138} \frac{10.3}{125} \frac{10.9}{118} \frac{11.2}{93} \frac{10.7}{88} \frac{10.9}{79} \frac{11.6}{66} \frac{11.9}{59}$

303 304 294 286 286 314 327 352 354 347 322 316

$\frac{12.5}{58} \frac{12.4}{40} \frac{13.4}{34} \frac{14.2}{31} \frac{14.2}{29} \frac{11.4}{22} \frac{10.1}{17} \frac{7.6}{11} \frac{7.4}{11} \frac{8.1}{12} \frac{10.6}{19} \frac{11.2}{20}$

363 348 343 343

$\frac{6.5}{200} \frac{8.0}{188} \frac{8.5}{179} \frac{8.5}{165}$

338 331 330 326 317 320 313 322

$\frac{9.0}{158} \frac{9.7}{152} \frac{9.8}{133} \frac{10.2}{125} \frac{11.1}{117} \frac{10.8}{94} \frac{10.5}{81} \frac{10.6}{75}$

317 311 311 297 285 285 325 340 354 356 350 331

$\frac{11.1}{60} \frac{11.7}{54} \frac{11.7}{40} \frac{13.1}{32} \frac{14.3}{30} \frac{14.3}{28} \frac{10.3}{21} \frac{8.8}{15} \frac{7.4}{11} \frac{7.2}{11} \frac{7.8}{13} \frac{9.7}{17}$

# Project 88-C Final X-Section

Sta.

B.S.

H.I.

F.S.

Elev.

+55

+55

45

T.P.

4.90

2538.25

9.40

2533.35

44+15

2542.75

# Project 88-C Final X- Sect.

19

36.7 33.9 33.9 34.2

$\frac{116}{197}$   $\frac{44}{179}$   $\frac{44}{168}$   $\frac{41}{165}$

33.6 33.5 33.2 32.9 32.4 32.5 32.7 32.6

$\frac{4.7}{159}$   $\frac{4.8}{150}$   $\frac{5.1}{144}$   $\frac{5.4}{129}$   $\frac{5.7}{121}$   $\frac{5.8}{99}$   $\frac{5.6}{95}$   $\frac{5.7}{82}$

31.6 30.1 29.9 29.4 28.5 28.5 31.0 32.7 34.0 34.6 33.7 33.4

$\frac{6.7}{60}$   $\frac{8.2}{52}$   $\frac{8.4}{39}$   $\frac{8.9}{34}$   $\frac{9.8}{32}$   $\frac{9.8}{29}$   $\frac{7.3}{23}$   $\frac{5.6}{17}$   $\frac{4.3}{12}$   $\frac{3.7}{15}$   $\frac{4.6}{15}$   $\frac{4.9}{16}$

36.1 33.3 33.1 33.2 32.9 32.0 32.4 32.1 32.2

$\frac{7.2}{198}$   $\frac{5.0}{191}$   $\frac{5.2}{169}$   $\frac{5.1}{149}$   $\frac{5.4}{146}$   $\frac{6.3}{123}$   $\frac{5.9}{121}$   $\frac{6.2}{112}$   $\frac{6.1}{91}$

32.1 30.9 30.0 29.8 28.5 28.3 31.4 33.0 34.6 34.9 34.4 33.1 32.7

$\frac{6.2}{79}$   $\frac{7.4}{58}$   $\frac{8.3}{56}$   $\frac{8.5}{38}$   $\frac{9.8}{32}$   $\frac{10.0}{30}$   $\frac{6.9}{21}$   $\frac{5.3}{16}$   $\frac{3.7}{11}$   $\frac{3.4}{12}$   $\frac{3.9}{12}$   $\frac{5.2}{16}$   $\frac{5.6}{17}$

Nail in T.P. # 3077

33.5 32.4

$\frac{93}{70}$   $\frac{10.4}{61}$

## Project 88-C Final X-Section

Sta.  
+25

B.S.

H.I.

F.S.

Elev.

46

45+90

45+65

2538.25

# Project 88-C Final X-Sept.

20

31.2 30.2 29.1 28.8 28.8 28.8 30.2 32.8 33.7 34.1 33.5 32.6

$\frac{6.1}{7.6} \frac{7.1}{6.2} \frac{8.2}{5.0} \frac{8.5}{3.4} \frac{9.5}{3.2} \frac{9.5}{2.7} \frac{7.1}{2.2} \frac{5.5}{1.3} \frac{4.6}{1.3} 4.2 \frac{4.8}{1.2} \frac{5.7}{1.9}$

36.4

33.9 33.8 33.0 32.6 32.8 32.5 32.9 32.8

$\frac{11.7}{1.96} \frac{4.4}{1.78} \frac{4.5}{1.50} \frac{5.3}{1.25} \frac{5.7}{1.29} \frac{5.5}{1.20} \frac{5.8}{1.07} \frac{5.4}{1.03} \frac{5.5}{.81}$

32.4 32.8 29.5 29.8 28.8 28.7 31.1 32.9 33.5 34.2 33.4 33.2

$\frac{5.9}{6.7} \frac{2.5}{5.7} \frac{8.8}{4.9} \frac{8.5}{3.1} \frac{9.5}{2.9} \frac{9.6}{2.7} \frac{7.2}{2.3} \frac{5.4}{1.5} \frac{4.8}{1.2} 4.1 \frac{4.9}{1.3} \frac{5.1}{1.6}$

36.6 34.0 34.0 33.8 32.7 32.6 32.7 33.0

$\frac{1.7}{1.96} \frac{4.3}{1.78} \frac{4.3}{1.64} \frac{4.5}{1.46} \frac{5.6}{1.20} \frac{5.7}{1.10} \frac{5.6}{1.00} \frac{5.3}{.91}$

33.0 31.4 29.9 29.9 28.2 28.4 30.7 32.9 33.7 34.3 33.8 33.0

$\frac{5.3}{8.3} \frac{6.9}{6.2} \frac{8.4}{4.8} \frac{8.4}{3.5} \frac{10.1}{2.4} \frac{9.9}{2.8} \frac{7.6}{2.3} \frac{5.4}{1.6} \frac{4.6}{1.2} 4.0 \frac{4.5}{1.1} \frac{5.3}{1.5}$

36.7 34.0 34.0 34.3 33.8 32.6 32.9 32.4 32.7

$\frac{1.6}{1.97} \frac{4.3}{1.79} \frac{4.3}{1.69} \frac{4.0}{1.64} \frac{4.5}{1.54} \frac{5.7}{1.22} \frac{5.5}{1.20} \frac{5.9}{1.13} \frac{5.6}{.91}$

32.7 31.6 30.0 29.8 28.5 28.4 31.5 33.0 33.8 34.5 33.7 33.3

$\frac{5.6}{8.3} \frac{6.7}{5.9} \frac{8.3}{5.1} \frac{8.5}{3.6} \frac{9.8}{3.2} \frac{9.9}{2.9} \frac{6.8}{2.1} \frac{5.3}{1.6} \frac{4.5}{1.3} 3.8 \frac{4.6}{1.2} \frac{5.0}{1.5}$



## Project 88-C Final X-Sect.

Sta.

B.S.

H.I.

F.S.

Elev.

49

48

47

46+25

2538.25



# Project 88-C Final X-Sect.

21

33.0 31.6 31.5 31.1 30.6 30.4 30.4

$\frac{5.3}{192} \frac{6.7}{180} \frac{6.8}{162} \frac{7.2}{146} \frac{7.7}{144} \frac{7.9}{131} \frac{7.9}{120}$

29.8

29.9 30.1 29.5 29.4 29.0 28.4 27.8 30.5 33.0

$\frac{8.5}{112} \frac{8.4}{92} \frac{8.2}{75} \frac{8.8}{59} \frac{8.9}{36} \frac{9.3}{32} \frac{9.9}{28} \frac{8.5}{25} \frac{7.8}{21} \frac{5.3}{12}$

33.6 32.3 32.3 33.1 31.1 30.9 30.7

$\frac{4.7}{193} \frac{6.0}{178} \frac{6.0}{163} \frac{6.5}{147} \frac{7.2}{144} \frac{7.4}{128} \frac{7.6}{115}$

30.3 30.8 30.6 30.1 29.9 29.4 28.3 28.2 32.2 32.7

$\frac{8.0}{108} \frac{7.5}{88} \frac{7.7}{72} \frac{8.2}{60} \frac{8.4}{43} \frac{8.9}{36} \frac{10.0}{33} \frac{10.1}{30} \frac{6.1}{17} \frac{5.6}{14}$

35.4 32.8 32.7 32.6 32.1 31.7 31.6 31.3

$\frac{2.9}{194} \frac{5.5}{177} \frac{5.6}{163} \frac{5.7}{149} \frac{6.2}{138} \frac{6.6}{131} \frac{6.7}{118} \frac{7.0}{109}$

31.5 31.2 31.5 30.9 30.6 30.2 29.8 28.9 28.4 31.8 33.1

$\frac{6.8}{104} \frac{7.1}{100} \frac{6.8}{87} \frac{7.4}{76} \frac{7.7}{55} \frac{8.1}{39} \frac{8.5}{35} \frac{9.6}{33} \frac{9.9}{30} \frac{6.5}{18} \frac{5.2}{13}$

36.7 33.9 33.8 33.6 32.9 32.3 32.5 32.1 31.4

$\frac{1.6}{195} \frac{4.4}{177} \frac{4.5}{166} \frac{4.7}{150} \frac{5.4}{144} \frac{6.0}{125} \frac{5.8}{119} \frac{6.2}{112} \frac{5.9}{86}$

# Project 88-C Final X- Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

52

51

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 7.24 | 2537.50 | 8.09 | 2530.16 |
|------|------|---------|------|---------|

50

2538.25

# Project 88-C Final X-Sect.

22

32.5 31.3 31.4 31.1 30.3 30.2

5.0 6.2 6.1 6.4 7.2 7.3  
185 177 159 146 127 117

29.4

30.2 29.5 29.1 29.4 29.1 28.6 28.7 30.6 32.1

8.1 7.3 8.0 8.4 8.1 8.4 8.9 8.8 6.9 5.4  
100 76 60 57 42 37 32 24 18 12

32.9 31.5 31.4 31.2 30.7 30.4 30.0

4.6 6.0 6.1 6.3 6.8 7.1 7.5  
187 177 159 146 142 129 117

29.6 30.1 30.1 29.4 29.3 28.3 28.4 27.6 32.5

7.9 7.4 7.4 8.1 8.2 9.2 9.1 7.9 5.0  
107 81 71 54 40 32 28 23 11

Nail in T.P. # 3075

32.5 31.2 31.3 31.2 30.8 30.1 30.1 30.3 29.7

5.8 7.1 7.0 7.1 7.5 8.2 8.2 8.0 8.6  
190 179 168 157 144 139 130 119 112

29.9 29.9 29.4 29.4 28.9 28.1 28.2 31.0 32.6

8.4 8.4 8.9 8.9 9.4 10.2 10.1 7.3 5.7  
88 74 63 50 35 29 27 19 12

# Project 88-C Final X-Section.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
| 54   |      |      |      |       |

|      |      |         |  |         |
|------|------|---------|--|---------|
| B.M. | 1.27 | 2535.78 |  | 2528.41 |
|------|------|---------|--|---------|

June 20, 1923

Weather: Bright, Windy, Cool

A.W. Ogle, Jr.

L.M. Wednor, Rod

|      |                    |      |         |
|------|--------------------|------|---------|
| B.M. | J.C. Broady, Chain | 6.56 | 2530.94 |
|------|--------------------|------|---------|

53+95

+80

53

2537.50

# Project 88-C Final X- Sect.

23

304 325 330 323 310

54 3.3 2.8 2.5 4.8  
17 10 12 16

Nail in T.P. # 3070

Nail in T.P. # 3072 R. Sta. 52+90

31.9 286 284 295 312 31.9

56 89 91 810 63 56  
30 27 23 20 14 11

0.0 Section of Pit

31.9 307 308 312 31.1 303 298 30.1

56 68 67 63 6.4 7.2 7.7 7.4  
186 174 161 159 154 131 117 116

29.9 30.1 30.0 30.0 29.8 29.4 28.6 28.8 30.9 31.7

7.6 7.4 7.5 7.5 7.7 8.1 8.9 8.7 6.6 5.8  
104 100 78 61 47 35 27 23 15 12

# Project 88-C Final X-Section.

Sta.

B.S.

H.I.

F.S.

Elev.

60

59

58

T.P.

2.05

2530.46

1.37

2528.41

57

56

55

2535.78

# Project 88-C Final X-Section.

24

23.1 244 252 245 242 22.5 21.9

$\frac{7.4}{15}$   $\frac{6.1}{11}$  5.3  $\frac{6.0}{11}$   $\frac{6.3}{12}$   $\frac{8.0}{17}$   $\frac{8.6}{18}$

22.7 244 250 246 242 21.8

$\frac{7.8}{16}$   $\frac{6.1}{11}$  5.5  $\frac{5.9}{9}$   $\frac{6.3}{11}$   $\frac{8.7}{16}$

22.8 23.6 254 259 254 243 22.9

$\frac{7.7}{17}$   $\frac{6.9}{16}$   $\frac{5.1}{12}$  4.6  $\frac{5.1}{10}$   $\frac{6.2}{14}$   $\frac{7.6}{17}$

Nail in T.P.# 3070

258 273 279 276 247

$\frac{10.0}{16}$   $\frac{8.5}{12}$  7.9  $\frac{8.2}{11}$   $\frac{11.1}{19}$

215 277 304 278 276

$\frac{8.3}{16}$   $\frac{6.1}{11}$  5.4  $\frac{6.0}{10}$   $\frac{8.2}{16}$

29.1 294 31.9 32.1 31.9 30.1 29.6

$\frac{6.7}{16}$   $\frac{6.4}{15}$   $\frac{3.9}{11}$  3.7  $\frac{3.9}{11}$   $\frac{5.7}{15}$   $\frac{6.2}{16}$

# Project 88-C Final X-Section

| Sta. | B.S.  | H.I.    | F.S. | Elev.   |
|------|-------|---------|------|---------|
| 65   |       |         |      |         |
| 64   |       |         |      |         |
| T.P. | 10.40 | 2540.14 | 3.83 | 2529.74 |
| 63   |       |         |      |         |
| 62   |       |         |      |         |
| 61   |       |         |      |         |
| T.P. | 9.28  | 2533.57 | 6.17 | 2524.29 |

2520.46



# Project 88-C Final X-Section

25

|            |            |      |            |            |            |            |
|------------|------------|------|------------|------------|------------|------------|
| 34.1       | 35.6       | 36.1 | 35.7       | 35.4       | 34.0       | 33.5       |
| <u>6.0</u> | <u>4.5</u> | 4.0  | <u>4.4</u> | <u>4.7</u> | <u>6.1</u> | <u>6.6</u> |
| 15         | 11         |      | 11         | 12         | 16         | 17         |

|            |            |      |            |            |            |
|------------|------------|------|------------|------------|------------|
| 30.9       | 32.7       | 33.4 | 33.3       | 32.9       | 31.2       |
| <u>9.2</u> | <u>7.4</u> | 6.7  | <u>6.8</u> | <u>7.2</u> | <u>8.9</u> |
| 16         | 12         |      | 10         | 12         | 16         |

Spike in T.P. # 3065

|            |            |      |            |            |            |
|------------|------------|------|------------|------------|------------|
| 27.8       | 30.1       | 30.5 | 30.2       | 29.6       | 29.6       |
| <u>5.8</u> | <u>3.5</u> | 3.1  | <u>3.4</u> | <u>4.0</u> | <u>6.0</u> |
| 17         | 12         |      | 10         | 12         | 16         |

|            |            |            |            |            |            |
|------------|------------|------------|------------|------------|------------|
| 25.5       | 29.9       | 28.3       | 28.0       | 27.8       | 25.6       |
| <u>8.1</u> | <u>5.7</u> | <u>5.3</u> | <u>5.6</u> | <u>5.8</u> | <u>8.0</u> |
| 17         | 12         |            | 10         | 12         | 17         |

|            |            |            |            |            |             |             |
|------------|------------|------------|------------|------------|-------------|-------------|
| 24.1       | 25.8       | 26.3       | 25.8       | 25.4       | 23.5        | 23.2        |
| <u>9.5</u> | <u>7.8</u> | <u>7.3</u> | <u>7.8</u> | <u>8.2</u> | <u>10.1</u> | <u>10.4</u> |
| 16         | 11         |            | 10         | 12         | 16          | 17          |

Nail in T.P. # 3067

# Project 88-C Final X-Section.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
| 70   |      |      |      |       |

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 6.80 | 2547.96 | 4.17 | 2541.16 |
|------|------|---------|------|---------|

69

68

67

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 7.35 | 2545.33 | 2.16 | 2537.98 |
|------|------|---------|------|---------|

66

2540.14

# Project 88-C Final X- Sect.

26

10.7 12.7 13.3 13.4 12.6 11.0

$\frac{7.3}{17} \frac{5.3}{12} \frac{4.7}{7} 4.6 \frac{5.4}{13} \frac{7.0}{16}$

Spike in X-fence post R. Sta. 67+90

10.2 11.0 12.7 13.3 13.3 13.7 12.5 10.7

$\frac{5.1}{17} \frac{4.3}{16} \frac{2.6}{12} \frac{2.0}{7} 2.0 \frac{2.1}{5} \frac{2.8}{11} \frac{4.6}{15}$

39.0 10.9 11.7 11.9 11.5 10.6 39.0

$\frac{6.3}{16} \frac{4.4}{12} \frac{3.6}{8} 3.4 \frac{3.8}{10} \frac{4.7}{13} \frac{6.3}{15}$

37.9 39.2 39.8 39.1 37.7

$\frac{7.4}{15} \frac{6.1}{12} 5.5 \frac{6.2}{13} \frac{7.6}{15}$

Spikes in T.P. # 2064

35.8 37.4 38.4 37.5 35.7

$\frac{4.3}{16} \frac{2.7}{12} 1.7 \frac{2.6}{12} \frac{4.4}{15}$

# Project 88-C Final X-Section.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

76

75

74

73

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 3.53 | 2545.29 | 6.20 | 2541.76 |
|------|------|---------|------|---------|

72

71

2547.96

# Project 88-C Final X-Sect.

27

34.7 36.1 36.6 36.1 34.5 34.0  
 $\frac{10.6}{15} \frac{9.2}{12} 8.7 \frac{9.2}{12} \frac{10.8}{15} \frac{11.3}{16}$

36.4 38.1 38.7 38.1 36.7  
 $\frac{8.9}{15} \frac{7.2}{11} 6.6 \frac{7.2}{11} \frac{8.6}{15}$

38.9 40.0 40.4 40.0 38.0 3  
 $\frac{6.4}{15} \frac{5.3}{12} 4.9 \frac{5.3}{10} \frac{7.3}{16}$

37.2 41.0 41.6 41.5 41.3 40.8 39.5 39.0  
 $\frac{6.1}{16} \frac{4.3}{12} \frac{3.7}{6} 3.8 \frac{4.0}{11} \frac{4.5}{11} \frac{5.8}{16} \frac{6.3}{17}$

Nail in T.P. # 3058

40.1 41.7 42.1 42.1 42.0 41.4 40.7 40.2  
 $\frac{7.9}{15} \frac{6.3}{12} \frac{5.9}{6} 5.9 \frac{6.0}{6} \frac{6.6}{11} \frac{7.3}{14} \frac{7.8}{15}$

40.8 42.1 42.8 42.7 42.6 42.0 40.6 39.7  
 $\frac{7.2}{15} \frac{5.9}{12} \frac{5.2}{11} 5.3 \frac{5.4}{6} \frac{6.0}{12} \frac{7.4}{16} \frac{8.3}{17}$

# Project 88-C Final X-Section.

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 81   |      |         |      |         |
| 80   |      |         |      |         |
| T.P. | 7.13 | 2537.98 | 9.77 | 2530.85 |
| 79   |      |         |      |         |
| 78   |      |         |      |         |
| 77   |      |         |      |         |
| T.P. | 0.28 | 2540.62 | 4.95 | 2540.34 |

2545.29

# Project 88-C Final X- Sect.

28

292 323 332 325 304 300

$\frac{2.8}{20} \frac{5.7}{13} 4.8 \frac{5.5}{13} \frac{7.6}{18} \frac{8.0}{19}$

301 327 332 328 301

$\frac{7.9}{17} \frac{5.3}{12} 4.8 \frac{5.2}{12} \frac{7.9}{17}$

Nail in T.P.# 3053

303 326 332 327 308

$\frac{10.3}{16} \frac{8.0}{12} 7.4 \frac{7.9}{12} \frac{9.8}{16}$

316 332 340 330 308

$\frac{9.0}{15} \frac{7.4}{12} 6.6 \frac{7.6}{12} \frac{9.8}{16}$

327 312 318 312 328

$\frac{7.9}{16} \frac{6.4}{12} 5.8 \frac{6.4}{11} \frac{7.8}{14}$

Nail in T.P.# 3055 (New)

# Project 88-C Final X-Section.

| Sta.                         | B.S.               | H.I.    | F.S. | Elev.   |
|------------------------------|--------------------|---------|------|---------|
| 81                           |                    |         |      |         |
| 83                           |                    |         |      |         |
| 82+50                        |                    |         |      |         |
| B.M.                         | 3163               | 2535.78 |      | 2532.15 |
| June 19, 1983                |                    |         |      |         |
| Weather: Partly cloudy, Cool |                    |         |      |         |
| A.W. Oglesby, Jr.            |                    |         |      |         |
| L.M. Vedner, Rod             |                    |         |      |         |
| B.M.                         | J.C. Broady, Chain |         | 5.75 | 2532.23 |

+23

82

2537.98



# Project 88-C. Final X-Sept.

29

280 281 301 301 301 192

$\frac{7.8}{17}$   $\frac{7.1}{16}$   $\frac{5.1}{11}$  19  $\frac{5.4}{11}$   $\frac{7.6}{16}$

297 318 319 317 190

$\frac{6.1}{17}$   $\frac{4.0}{12}$  39  $\frac{4.1}{11}$   $\frac{6.8}{17}$

311 316 323 326 324

$\frac{4.7}{17}$   $\frac{4.2}{15}$   $\frac{3.5}{8}$  3.2  $\frac{3.4}{8}$

Top Br. Floor on N.W. Cor. Sta. 82+25

Top Br. Floor on N.W. Cor.

322 327 327 326 321

$\frac{5.8}{8}$   $\frac{5.3}{11}$  5.3  $\frac{5.4}{5}$   $\frac{5.9}{8}$

287 298 315 327 328 323 307

$\frac{7.3}{22}$   $\frac{8.2}{21}$   $\frac{6.5}{11}$   $\frac{5.3}{12}$  5.2  $\frac{5.7}{12}$   $\frac{7.3}{16}$

## Project 88-C Final X-Sect.

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| T.P. | 9.22 | 2534.48 | 7.66 | 2535.26 |

89

88

87

86

85

|      |      |         |      |         |
|------|------|---------|------|---------|
| T.P. | 3.51 | 2532.92 | 6.37 | 2529.41 |
|------|------|---------|------|---------|

2535.78

Nail in T.P. # 3044 L. Sta. 89+15

|     |     |     |     |      |
|-----|-----|-----|-----|------|
| 241 | 255 | 259 | 254 | 239  |
| 88  | 7.4 | 7.0 | 7.5 | 9.0  |
| 15  | 12  |     | 12  | 15.5 |

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 241 | 246 | 259 | 261 | 256 | 235 |
| 88  | 8.3 | 7.0 | 6.8 | 7.3 | 9.4 |
| 18  | 15  | 12  |     | 12  | 16  |

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 252 | 252 | 267 | 271 | 265 | 251 |
| 7.7 | 7.7 | 6.2 | 5.8 | 6.4 | 7.8 |
| 18  | 16  | 12  |     | 11  | 14  |

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| 260 | 264 | 277 | 282 | 274 | 260 |
| 6.9 | 6.5 | 5.2 | 4.7 | 5.5 | 6.9 |
| 18  | 16  | 12  |     | 12  | 15  |

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| 269 | 270 | 275 | 289 | 269 |
| 6.0 | 3.9 | 3.6 | 4.0 | 6.0 |
| 17  | 12  |     | 12  | 17  |

Nail in T.P. # 3048

Project 88-C Final X-Section.

95

94

T.P.

11.05

2541.94

3.59

2530.89

93

92

91

90

2534.48

# Project 88-C Final X-Section.

31

36.0 316 380 314 355

$\frac{5.9}{16}$   $\frac{1.3}{12}$  3.9  $\frac{4.5}{12}$   $\frac{6.4}{16}$

332 349 351 346 328

$\frac{8.7}{16}$   $\frac{7.0}{12}$  6.8  $\frac{7.3}{12}$   $\frac{9.1}{16}$

Nail in base of F.R. Sta. 93+07 (new)

302 317 320 316 295

$\frac{4.2}{16}$   $\frac{2.8}{12}$  2.5  $\frac{2.9}{12}$   $\frac{5.0}{17}$

264 270 286 288 286 264

$\frac{8.1}{18}$   $\frac{7.5}{17}$   $\frac{5.9}{12}$  5.7  $\frac{5.9}{12}$   $\frac{8.1}{17}$

240 247 264 269 264 241 228

$\frac{10.5}{19}$   $\frac{9.8}{16}$   $\frac{8.1}{12}$  7.6  $\frac{8.1}{12}$   $\frac{10.4}{18}$   $\frac{11.7}{19.5}$

23.0 23.8 256 260 256 234

$\frac{11.5}{18}$   $\frac{10.7}{17}$   $\frac{8.9}{12}$  8.5  $\frac{8.9}{12}$   $\frac{11.1}{16}$

# Project 88-C Final X-Section

| Sta. | B.S. | H.I.    | F.S. | Elev.   |
|------|------|---------|------|---------|
| 100  |      |         |      |         |
| T.P. | 2.05 | 2547.29 | 3.32 | 2545.24 |
| 99   |      |         |      |         |
| 98   |      |         |      |         |
| 97   |      |         |      |         |
| 96   |      |         |      |         |
| T.P. | 7.95 | 2548.56 | 1.33 | 2540.61 |
|      |      | 2541.94 |      |         |

# Project 88-C Final X-Sect.

32

39.8 42.6 43.0 42.5 39.8

$\frac{7.5}{19}$   $\frac{4.7}{12}$  4.3  $\frac{4.8}{12}$   $\frac{7.5}{18}$

Nail in T.P. # 3037

41.4 43.2 43.5 42.9 40.2

$\frac{7.2}{15}$   $\frac{5.4}{12}$  5.1  $\frac{5.7}{12}$   $\frac{8.4}{17}$

41.8 43.4 43.9 43.5 42.5

$\frac{6.8}{16}$   $\frac{5.2}{12}$  4.7  $\frac{5.1}{12}$   $\frac{6.1}{14}$

41.1 43.2 43.4 42.7 41.1

$\frac{7.5}{16}$   $\frac{5.4}{12}$  5.2  $\frac{5.9}{12}$   $\frac{7.5}{15}$

38.5 40.7 41.0 40.3 38.6

$\frac{10.1}{16}$   $\frac{7.9}{12}$  7.6  $\frac{8.3}{12}$   $\frac{10.0}{15}$

Nail in X-fence post R. Sta. 95+20

# Project 88-C Final X- Sect.

| Sta. | B.S. | H.I. | F.S. | Elev. |
|------|------|------|------|-------|
|------|------|------|------|-------|

B.M

2.72

2544.57

103+74

102+90

102

101

2547.29



Spike in T.P. # 3033

$$\begin{array}{r} 41.8 \\ 5.5 \end{array}$$

$$\begin{array}{r} 107 \quad 119 \quad 122 \quad 117 \quad 110 \\ 66 \quad 54 \quad 51 \quad 56 \quad 63 \\ \hline 17 \quad 13 \quad 11 \quad 14 \end{array}$$

$$\begin{array}{r} 373 \quad 419 \quad 424 \quad 420 \quad 404 \quad 397 \\ 80 \quad 54 \quad 49 \quad 53 \quad 69 \quad 76 \\ \hline 18 \quad 12 \quad 12 \quad 16 \quad 18 \end{array}$$

$$\begin{array}{r} 373 \quad 423 \quad 428 \quad 423 \quad 399 \\ 80 \quad 50 \quad 45 \quad 50 \quad 74 \\ \hline 19 \quad 13 \quad 12 \quad 19 \end{array}$$

Project 88-C Final X-Sect.