

1337

WEST

LEVEL 100K

No. 3501

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No. 385 of 3/20 Ad.

No. 70 June 2/30/20 A.H.

- 1 Vista St - Helen to Dora
- 8 Santiago St. Isabella to Alice
- 39 Lois St (Lake Murray Blvd) North of Vista
- 46 Harbison Ave El Cajon to S Bdy La Mesa
- 53 Alice St. Extension N from Vista
- 55 Ramona St - Isabella to Alice

4-15-29 X-section Vista St. - Helen  
 J.C. Bliss to Dora - 60' wide  
 Drebert 10' cbs  
 Raver 10' 1/2 cbs

1

B.M. S.W. Nails Vista Helen

528.31

+11.08

H.I. 539.39

W.L. Helen - 60' wide - 10' cbs - 10' 1/2 cbs

|     |       |      |       |
|-----|-------|------|-------|
| N   | 539.4 | 8.5  | 530.9 |
| cb  |       | 9.3  | 530.1 |
| 1/4 |       | 9.7  | 529.7 |
| 1/2 |       | 10.5 | 528.9 |
| 3/4 |       | 11.2 | 528.2 |
| cb  |       | 11.8 | 527.6 |
| S   |       | 12.6 | 526.8 |

W cb Helen

|     |  |      |       |
|-----|--|------|-------|
| S   |  | 12.5 | 526.9 |
| cb  |  | 11.9 | 527.5 |
| 1/4 |  | 11.1 | 528.3 |
| 1/2 |  | 10.4 | 529.0 |
| 3/4 |  | 9.7  | 529.7 |
| cb  |  | 9.1  | 530.3 |
| N   |  | 8.7  | 530.7 |

E Helen

|     |  |      |       |
|-----|--|------|-------|
| N   |  | 8.3  | 531.1 |
| cb  |  | 9.3  | 530.1 |
| 1/4 |  | 9.8  | 529.6 |
| 1/2 |  | 10.4 | 529.0 |
| 3/4 |  | 11.1 | 528.3 |

Plotted 5-4-29 - G.M. Jan

H.I. 53939

|                   |      |       |
|-------------------|------|-------|
| cb                | 12.0 | 527.4 |
| S                 | 12.9 | 526.5 |
| E cb Helen        |      |       |
| S                 | 12.9 | 526.5 |
| cb                | 12.3 | 527.1 |
| 1/4               | 11.1 | 528.3 |
| ♀                 | 10.4 | 529.0 |
| 1/4               | 10.0 | 529.4 |
| cb                | 9.4  | 530.0 |
| N                 | 8.5  | 530.9 |
| E.L. Helen = 0+00 |      |       |
| N                 | 8.1  | 531.3 |
| cb                | 9.0  | 530.4 |
| 1/4               | 10.0 | 529.4 |
| ♀                 | 10.5 | 528.9 |
| 1/4               | 11.2 | 528.2 |
| cb                | 12.1 | 527.3 |
| S                 | 12.4 | 527.0 |

From ♀ Helen to 0+65 on North side there are a row of 4 Large Eucalyptus trees approximately 6.5' in the street

0+25

|     |      |       |
|-----|------|-------|
| S   | 12.1 | 527.3 |
| cb  | 12.2 | 527.2 |
| 1/4 | 11.2 | 528.2 |

H.I. 53939

2

|      |      |       |
|------|------|-------|
| ♀    | 10.6 | 528.8 |
| 1/4  | 10.1 | 529.3 |
| cb   | 9.0  | 530.4 |
| N    | 8.5  | 530.9 |
| 0+50 |      |       |
| N    | 8.0  | 531.4 |
| cb   | 9.0  | 530.4 |
| 1/4  | 9.9  | 529.5 |
| ♀    | 10.3 | 529.4 |
| 1/4  | 10.5 | 528.9 |
| cb   | 11.5 | 527.9 |
| S    | 12.2 | 527.2 |
| 0+75 |      |       |
| S    | 12.2 | 527.2 |
| cb   | 11.8 | 527.6 |
| 1/4  | 10.0 | 529.4 |
| ♀    | 9.9  | 529.5 |
| 1/4  | 9.6  | 529.8 |
| cb   | 9.0  | 530.4 |
| N    | 8.5  | 530.9 |

0+80

|                              |      |        |
|------------------------------|------|--------|
| ♀ Drive way 2' in st. from N | 8.63 | 530.76 |
|------------------------------|------|--------|

1+00

|   |     |       |
|---|-----|-------|
| N | 8.5 | 530.9 |
| C | 8.7 | 530.7 |

H.I. 539.39

|        |      |       |
|--------|------|-------|
| 1/4    | 9.5  | 5299  |
| ¢      | 9.6  | 5298  |
| 1/4    | 9.2  | 5302  |
| cb     | 11.0 | 5284  |
| S      | 12.2 | 5272  |
| out 10 | 12.2 | 5266  |
| out 10 | 12.8 | 5266  |
| 5      | 12.2 | 5272  |
| cb     | 9.6  | 5298  |
| 1/4    | 9.0  | 5304  |
| ¢      | 9.4  | 5300  |
| 1/4    | 9.3  | 5301  |
| cb     | 8.8  | 5306  |
| N      | 8.6  | 5308  |
|        | 1450 |       |
| N      | 8.6  | 5308  |
| cb     | 8.9  | 5305  |
| 1/4    | 8.7  | 5305  |
| ¢      | 9.0  | 5304  |
| 1/4    | 9.0  | 5304  |
| cb     | 10.8 | 528.6 |
| S      | 12.3 | 527.1 |
| out 10 | 12.6 | 5268  |
|        | 1475 |       |
| out 10 | 12.4 | 527.0 |
| S      | 11.6 | 5278  |

H.I. 539.39

3

|        |      |      |
|--------|------|------|
| cb     | 9.9  | 5295 |
| 1/4    | 8.3  | 31.1 |
| 1/4    | 8.6  | 30.8 |
| ¢      | 8.5  | 30.9 |
| 1/4    | 8.4  | 31.0 |
| cb     | 8.6  | 30.8 |
| N      | 8.5  | 30.9 |
|        | 2+00 |      |
| N      | 8.0  | 31.4 |
| cb     | 8.1  | 31.3 |
| 1/4    | 7.9  | 31.5 |
| ¢      | 8.0  | 31.4 |
| 1/4    | 7.9  | 31.5 |
| cb     | 8.2  | 31.2 |
| S      | 11.2 | 28.2 |
| out 10 | 11.5 | 27.9 |
|        | 2+25 |      |
| out 10 | 10.2 | 29.2 |
| S      | 10.2 | 29.2 |
| cb     | 9.7  | 29.7 |
| 1/4    | 7.0  | 32.4 |
| 1/4    | 7.5  | 31.9 |
| ¢      | 7.5  | 31.9 |
| 1/4    | 7.4  | 32.0 |
| cb     | 7.6  | 31.8 |

H.I. 539.39

|     |      |        |
|-----|------|--------|
| N   | 7.3  | 5 32.1 |
|     | 2+50 |        |
| N   | 6.5  | 32.9   |
| cb  | 6.8  | 32.6   |
| 1/4 | 6.7  | 32.7   |
| ¢   | 6.8  | 32.6   |
| 1/4 | 7.0  | 32.4   |
| cb  | 8.2  | 31.2   |
| S   | 8.9  | 30.5   |

2+75

|     |     |      |
|-----|-----|------|
| S   | 7.3 | 32.1 |
| cb  | 6.8 | 32.6 |
| 1/4 | 6.4 | 33.0 |
| ¢   | 6.0 | 33.4 |
| 1/4 | 5.8 | 32.6 |
| cb  | 5.7 | 33.7 |
| N   | 4.8 | 34.6 |

3+10

|     |     |      |
|-----|-----|------|
| N   | 4.2 | 35.2 |
| cb  | 4.8 | 34.6 |
| 1/4 | 5.0 | 34.4 |
| ¢   | 5.3 | 34.1 |
| 1/4 | 5.2 | 34.2 |
| cb  | 5.8 | 33.6 |
| S   | 6.1 | 33.3 |

H.I. 539.39

3+25

4

|     |     |        |
|-----|-----|--------|
| S   | 5.4 | 5 34.0 |
| cb  | 5.0 | 34.4   |
| 1/4 | 4.6 | 34.8   |
| ¢   | 4.4 | 35.0   |
| 1/4 | 4.2 | 35.2   |
| cb  | 4.1 | 35.3   |
| N   | 3.9 | 35.5   |

3+38 to 3+75 Concrete Boundary Wall  
of Croquet Court 4' in Street from N.E.

3+50

|     |     |      |
|-----|-----|------|
| N   | 3.4 | 36.0 |
| cb  | 3.4 | 36.0 |
| 1/4 | 3.8 | 35.6 |
| ¢   | 3.8 | 35.6 |
| 1/4 | 4.1 | 35.3 |
| cb  | 4.6 | 34.8 |
| S   | 4.9 | 34.5 |

3+75

|     |     |      |
|-----|-----|------|
| S   | 4.6 | 34.8 |
| cb  | 4.2 | 35.2 |
| 1/4 | 3.8 | 35.6 |
| ¢   | 3.5 | 35.9 |
| 1/4 | 3.4 | 36.0 |
| cb  | 3.3 | 36.1 |
| N   | 3.1 | 36.3 |

H.I. 539.39

3+80 to 4+30 - Tennis Court with  
can crate Boundary Wall - 16' in street from  
N.L.

4+00

|     |        |      |       |
|-----|--------|------|-------|
| N   | 539.39 | 3.1  | 536.3 |
| cb  |        | 3.1  | 536.3 |
| 1/4 |        | 3.5  | 35.9  |
| ¢   |        | 3.3  | 36.1  |
| 1/4 |        | 4.0  | 35.4  |
| cb  |        | 4.2  | 35.2  |
| S   |        | 4.7  | 34.7  |
|     |        | 4+25 |       |
| S   |        | 4.5  | 34.9  |
| cb  |        | 4.2  | 35.2  |
| 1/4 |        | 4.0  | 35.4  |
| ¢   |        | 3.2  | 36.2  |
| 1/4 |        | 3.7  | 35.7  |
| cb  |        | 3.1  | 36.3  |
| N   |        | 3.1  | 36.3  |

4+50

|     |  |     |      |
|-----|--|-----|------|
| N   |  | 3.7 | 35.7 |
| cb  |  | 2.8 | 36.6 |
| 1/4 |  | 3.3 | 36.1 |
| ¢   |  | 3.4 | 36.0 |
| 1/4 |  | 3.8 | 35.6 |

H.I. 539.39

5

|     |  |      |       |
|-----|--|------|-------|
| cb  |  | 4.4  | 535.0 |
| S   |  | 4.7  | 34.7  |
|     |  | 4+75 |       |
| S   |  | 4.6  | 34.8  |
| cb  |  | 4.5  | 34.9  |
| 1/4 |  | 4.2  | 35.2  |
| ¢   |  | 3.5  | 35.9  |
| 1/4 |  | 3.7  | 35.7  |
| cb  |  | 3.4  | 36.0  |
| N   |  | 3.1  | 36.3  |
|     |  | 5+00 |       |
| N   |  | 3.9  | 35.5  |
| cb  |  | 3.8  | 35.6  |
| 1/4 |  | 4.2  | 35.2  |
| ¢   |  | 3.9  | 35.5  |
| 1/4 |  | 4.3  | 35.1  |
| cb  |  | 4.6  | 34.8  |
| S   |  | 4.7  | 34.7  |
|     |  | 5+25 |       |
| S   |  | 5.3  | 34.1  |
| cb  |  | 5.1  | 34.3  |
| 1/4 |  | 4.8  | 34.6  |
| ¢   |  | 4.5  | 34.9  |
| 1/4 |  | 4.9  | 34.5  |
| cb  |  | 4.7  | 34.7  |



H.I. 539.39

|        |      |             |
|--------|------|-------------|
| N      | 5.1  | 534.3       |
|        | 5.50 |             |
| Out 10 | 8.5  | 30.9        |
| N      | 7.3  | 32.1        |
| cb     | 6.4  | 33.0        |
| 1/4    | 5.8  | 33.6        |
| £      | 5.5  | 33.9        |
| 1/4    | 5.6  | 33.8        |
| cb     | 5.8  | 33.6        |
| S      | 6.1  | 33.3        |
| T.P.   |      | -564 533.75 |

+1.84

H.I. 535.59

|        |       |       |
|--------|-------|-------|
|        | 5+75  |       |
| S      | 2.7   | 532.9 |
| cb     | 2.6   | 330   |
| 1/4    | 2.6   | 330   |
| £      | 2.9   | 32.7  |
| 1/4    | 3.0   | 32.6  |
| cb     | 5.5   | 30.1  |
| N      | 7.1   | 28.5  |
| Out 15 | 12.0  | 23.6  |
|        | 14.00 |       |
| Out 15 | 18.0  | 17.6  |
| N      | 13.7  | 21.9  |

H.I. 535.59

6

|        |      |       |
|--------|------|-------|
| cb     | 10.7 | 524.9 |
| 1/4    | 7.2  | 28.4  |
| £      | 5.3  | 30.3  |
| 1/4    | 3.9  | 31.7  |
| cb     | 3.5  | 32.1  |
| S      | 3.3  | 32.3  |
| S      | 4.2  | 31.4  |
| cb     | 4.5  | 31.1  |
| 1/4    | 6.1  | 29.5  |
| £      | 8.8  | 26.8  |
| 1/4    | 12.0 | 23.6  |
| cb     | 15.0 | 20.6  |
| N      | 18.4 | 17.2  |
| Out 15 | 22.2 | 13.4  |

6+20 = W.L. Data 60' Wide - 10 obs - 10' / 45

W cb Data

|        |      |      |
|--------|------|------|
| Out 15 | 23.5 | 12.1 |
| N      | 20.1 | 15.5 |
| cb     | 17.1 | 18.5 |
| 1/4    | 13.8 | 21.8 |
| £      | 10.2 | 25.4 |
| 1/4    | 7.3  | 28.3 |
| cb     | 5.4  | 30.2 |
| S      | 4.7  | 30.9 |

H.I. 535.59

Dora

|        |      |       |
|--------|------|-------|
| S      | 58   | 529.8 |
| cb     | 6.3  | 29.3  |
| 1/4    | 10.7 | 24.9  |
| ¢      | 13.0 | 22.6  |
| 1/4    | 17.3 | 18.3  |
| cb     | 20.7 | 14.9  |
| N      | 25.0 | 10.6  |
| Out 15 | 28.5 | 71    |

E cb Dora

|        |      |      |
|--------|------|------|
| Out 15 | 29.8 | 58   |
| N      | 24.5 | 11.1 |
| cb     | 21.2 | 14.4 |
| 1/4    | 18.1 | 17.5 |
| ¢      | 14.9 | 20.7 |
| 1/4    | 11.9 | 23.7 |
| cb     | 9.1  | 26.5 |
| S      | 7.0  | 28.6 |

E.L. Dora

|     |      |      |
|-----|------|------|
| S   | 8.4  | 27.2 |
| cb  | 10.5 | 25.1 |
| 1/4 | 13.3 | 22.3 |
| ¢   | 16.5 | 19.1 |
| 1/4 | 20.8 | 14.8 |
| cb  | 22.5 | 13.1 |
| N   | 25.6 | 10.0 |

H.I. 535.59

7

Out 15 37.0 503.6

|                         |                     |         |        |
|-------------------------|---------------------|---------|--------|
| B.M. Nails in Pole-Dora | E.L. 150'S of Vista | -11.09  | 524.50 |
|                         |                     | Correct | 524.53 |
|                         |                     | Error   | 0.03   |

4-16-29 X-section Santiago St - Isabella  
 J.C. Bliss to Alice - 60' wide - 11' cbs - 10' 1/4  
 Drebert  
 Rauner

B.M. S.W. BPI Isabella + E/Cajon 480.17  
 +12.95 493.12

T.P. Hl. 16 Hl. 501.99 -229 490.83  
 W.L. Isabella = 0+00

S (5020) 12.1 489.1

cb 12.5 89.5

1/4 12.1 89.9

+3 13.1 88.9

♀ 12.8 89.2

1/4 13.4 88.6

+5 12.8 89.2

cb 13.2 88.8

N 13.4 88.6

0+20

N 12.3 89.7

cb 11.8 90.2

1/4 11.7 90.3

♀ 11.2 90.8

1/4 10.7 90.3

cb 10.5 90.5

S 10.4 90.6

0+45

S 8.9 93.7

cb 8.5 93.5

1/4 9.0 93.0

Plotted 5-6-29-G.M.T.

Hl. 501.99

8

♀ 8.6 493.4

1/4 9.1 92.9

cb 9.0 93.0

N 9.5 92.5

0+70

N 6.8 95.2

cb 6.7 95.3

1/4 7.0 95.0

♀ 6.0 96.0

+8 6.6 95.4

1/4 5.9 96.1

cb 5.6 96.4

S 5.4 96.6

0+95

S 2.8 99.2

cb 2.6 99.4

1/4 2.8 99.2

+2 3.8 98.2

♀ 3.3 98.7

1/4 4.2 97.8

+2 3.6 98.4

cb 4.2 97.8

N 4.3 97.7

1+20

N 1.8 500.2

Note - 0700 to 1400 - South side - Row of  
small trees 9.5' in street.

H.I. 501.99

|     |       |             |
|-----|-------|-------------|
| cb  | 1.5   | 500.5       |
| 1/4 | 1.0   | 501.0       |
| +1  | 1.8   | 500.2       |
| ♀   | 0.9   | 501.1       |
| 1/4 | 1.7   | 500.3       |
| cb  | 1.1   | 500.9       |
| S   | 1.2   | 500.8       |
| T.P | 11.45 | 0.53 501.46 |

+12.86

H.I. 514.32

14.45

|     |         |      |       |
|-----|---------|------|-------|
| S   | (514.3) | 12.2 | 502.1 |
| cb  |         | 11.8 | 502.5 |
| 1/4 |         | 11.7 | 502.6 |
| ♀   |         | 11.2 | 503.1 |
| 1/4 |         | 12.1 | 502.2 |
| +1  |         | 11.5 | 502.8 |
| cb  |         | 12.0 | 502.3 |
| N   |         | 11.9 | 502.4 |

14.70

|     |      |       |
|-----|------|-------|
| N   | 9.6  | 504.7 |
| cb  | 9.6  | 504.7 |
| 1/4 | 10.4 | 503.9 |
| ♀   | 9.5  | 504.8 |
| 1/4 | 10.0 | 504.3 |

H.I. 514.32

9

|       |      |       |
|-------|------|-------|
| cb    | 10.6 | 503.7 |
| S     | 11.0 | 503.3 |
| 1+9.5 |      |       |
| S     | 9.8  | 504.5 |
| cb    | 9.3  | 505.0 |
| 1/4   | 8.3  | 506.0 |
| ♀     | 7.7  | 507.6 |
| 1/4   | 8.3  | 506.0 |
| cb    | 7.2  | 507.1 |
| N     | 7.1  | 507.2 |

2+20

|     |     |       |
|-----|-----|-------|
| N   | 4.7 | 509.6 |
| cb  | 5.1 | 509.2 |
| +8  | 5.4 | 508.9 |
| 1/4 | 6.8 | 507.5 |
| ♀   | 6.2 | 508.1 |
| 1/4 | 6.8 | 507.5 |
| cb  | 7.9 | 506.4 |
| S   | 8.5 | 505.8 |

2+4.5

|     |     |       |
|-----|-----|-------|
| S   | 8.3 | 506.0 |
| cb  | 7.4 | 506.9 |
| 1/4 | 5.5 | 508.8 |
| ♀   | 5.0 | 509.3 |
| 1/4 | 5.7 | 508.6 |

H.I. 514.32

|      |     |       |
|------|-----|-------|
| tv   | 4.0 | 510.3 |
| cb   | 3.4 | 510.9 |
| N    | 2.8 | 511.5 |
| 2+70 |     |       |
| N    | 1.6 | 512.7 |
| cb   | 2.5 | 511.8 |
| +8   | 3.2 | 511.1 |
| 1/4  | 5.0 | 509.3 |
| ¢    | 4.3 | 510.0 |
| 1/4  | 4.8 | 509.5 |
| cb   | 6.7 | 507.6 |
| S    | 7.7 | 506.6 |
| 2+95 |     |       |
| S    | 7.4 | 506.9 |
| cb   | 6.6 | 507.7 |
| 1/4  | 4.8 | 509.5 |
| ¢    | 4.3 | 510.0 |
| 1/4  | 5.0 | 509.3 |
| tv   | 3.2 | 511.1 |
| cb   | 2.4 | 511.9 |
| N    | 1.5 | 512.8 |
| 3+20 |     |       |
| N    | 1.5 | 512.8 |
| cb   | 2.8 | 511.5 |
| +8   | 3.6 | 510.7 |

H.I. 514.32

10

|      |     |       |
|------|-----|-------|
| 1/4  | 5.3 | 509.0 |
| ¢    | 4.4 | 509.9 |
| 1/4  | 4.8 | 509.5 |
| cb   | 6.1 | 508.2 |
| S    | 7.0 | 507.3 |
| 2+45 |     |       |
| S    | 7.0 | 507.3 |
| cb   | 6.5 | 507.8 |
| 1/4  | 5.0 | 509.3 |
| ¢    | 4.6 | 509.7 |
| 1/4  | 5.2 | 509.1 |
| tv   | 3.6 | 510.7 |
| cb   | 3.1 | 511.2 |
| N    | 2.1 | 512.2 |
| 3+70 |     |       |
| N    | 2.1 | 512.2 |
| cb   | 3.0 | 511.3 |
| +8   | 3.7 | 510.6 |
| 1/4  | 5.5 | 508.8 |
| ¢    | 4.7 | 509.6 |
| 1/4  | 4.9 | 509.4 |
| cb   | 6.6 | 507.7 |
| S    | 7.8 | 506.5 |
| 3+95 |     |       |
| S    | 8.2 | 506.1 |

H.I. 514.32

H.I. 514.32

11

|     |      |       |       |             |        |
|-----|------|-------|-------|-------------|--------|
| cb  | 7.3  | 507.0 | T.P   | -8.00       | 506.32 |
| 1/4 | 5.7  | 508.6 | +0.19 |             |        |
| ¢   | 5.2  | 509.1 |       | H.I. 507.11 |        |
| 1/4 | 5.6  | 508.7 |       | 4+70        |        |
| +2  | 3.7  | 510.6 | N     | 507.1       | 0.0    |
| cb  | 3.0  | 511.3 | cb    |             | 507.1  |
| N   | 2.2  | 512.1 | +8    |             | 0.3    |
|     | 4+20 |       | 1/4   |             | 506.8  |
| N   | 3.4  | 510.9 | ¢     |             | 0.9    |
| cb  | 4.1  | 510.2 | 1/4   |             | 2.1    |
| +8  | 4.8  | 509.5 | +4    |             | 505.0  |
| 1/4 | 6.5  | 507.8 | cb    |             | 1.4    |
| ¢   | 6.1  | 508.2 | 5     |             | 505.7  |
| 1/4 | 6.6  | 507.7 |       |             | 1.5    |
| cb  | 8.1  | 506.2 |       |             | 505.6  |
| 5   | 8.9  | 505.4 |       |             | 3.0    |
|     | 4+45 |       |       |             | 504.1  |
| 5   | 9.7  | 504.6 |       |             | 3.6    |
| cb  | 9.0  | 505.3 |       |             | 503.5  |
| 1/4 | 7.7  | 506.6 |       |             | 4.3    |
| ¢   | 7.4  | 506.9 |       |             | 502.8  |
| 1/4 | 8.1  | 506.2 |       |             | 4+75   |
| +2  | 6.4  | 507.9 |       |             | 6.0    |
| cb  | 6.0  | 508.3 |       |             | 501.1  |
| N   | 5.5  | 508.8 |       |             | 5.1    |
|     |      |       |       |             | 502.0  |
|     |      |       |       |             | 2.2    |
|     |      |       |       |             | 504.9  |
|     |      |       |       |             | 2.0    |
|     |      |       |       |             | 505.1  |
|     |      |       |       |             | 2.7    |
|     |      |       |       |             | 504.4  |
|     |      |       |       |             | 1.7    |
|     |      |       |       |             | 505.4  |
|     |      |       |       |             | 1.0    |
|     |      |       |       |             | 506.1  |
|     |      |       |       |             | 0.4    |
|     |      |       |       |             | 506.7  |
|     |      |       |       |             | 5+20   |
|     |      |       |       |             | 1.2    |
|     |      |       |       |             | 505.9  |
|     |      |       |       |             | 1.6    |
|     |      |       |       |             | 505.5  |

H.I. 507.11

|     |       |       |
|-----|-------|-------|
| +8  | 2.5   | 504.6 |
| 1/4 | 3.1   | 504.0 |
| ¢   | 2.5   | 504.6 |
| 1/4 | 2.6   | 504.5 |
| +4  | 4.2   | 502.9 |
| cb  | 5.3   | 501.8 |
| 5   | 6.2   | 500.9 |
|     | 5+4.5 |       |
| 5   | 5.5   | 501.6 |
| cb  | 4.8   | 502.3 |
| +6  | 4.3   | 502.8 |
| 1/4 | 3.1   | 504.0 |
| ¢   | 2.9   | 504.2 |
| 1/4 | 3.5   | 503.6 |
| +1  | 2.4   | 504.7 |
| cb  | 2.1   | 505.0 |
| 1   | 1.6   | 505.5 |
|     | 5+7.0 |       |
| 1   | 1.4   | 505.7 |
| cb  | 2.0   | 505.1 |
| +9  | 2.5   | 504.6 |
| 1/4 | 4.0   | 503.1 |
| ¢   | 3.4   | 503.7 |
| 1/4 | 3.5   | 503.6 |
| cb  | 4.4   | 502.7 |

H.I. 507.11

12

|     |                                      |       |
|-----|--------------------------------------|-------|
| 5   | 4.9                                  | 502.2 |
|     | 5+9.5                                | 0     |
| 5   | 5.2                                  | 501.9 |
| cb  | 4.5                                  | 502.6 |
| 1/4 | 3.9                                  | 503.2 |
| ¢   | 4.0                                  | 503.1 |
| 1/4 | 4.4                                  | 502.7 |
| +1  | 2.6                                  | 504.5 |
| cb  | 2.1                                  | 505.0 |
| 1   | 1.5                                  | 505.6 |
|     | 6+20 = E.L. Dora - 60' wide 10' x 45 |       |
| 1   | 2.5                                  | 504.6 |
| cb  | 3.1                                  | 504.0 |
| +9  | 3.4                                  | 503.7 |
| 1/4 | 5.3                                  | 501.8 |
| ¢   | 4.7                                  | 502.4 |
| 1/4 | 4.8                                  | 502.3 |
| cb  | 5.1                                  | 502.0 |
| 5   | 5.5                                  | 501.6 |
|     | E.L. cb Dora                         |       |
| 5   | 6.2                                  | 500.9 |
| cb  | 5.8                                  | 501.3 |
| 1/4 | 5.5                                  | 501.6 |
| ¢   | 5.3                                  | 501.8 |
| 1/4 | 6.0                                  | 501.1 |

H.I. 507.11

|     |     |       |
|-----|-----|-------|
| +2  | 3.8 | 503.3 |
| cb  | 3.6 | 503.5 |
| N   | 3.0 | 504.1 |
| A   | 4.1 | 503.0 |
| cb  | 4.9 | 502.2 |
| +9  | 5.7 | 501.4 |
| 1/4 | 6.8 | 500.3 |
| ¢   | 6.2 | 500.9 |
| 1/4 | 6.5 | 500.6 |
| cb  | 7.1 | 500.0 |
| S   | 7.7 | 499.4 |

W cb Dora

|     |     |       |
|-----|-----|-------|
| S   | 8.6 | 498.5 |
| cb  | 8.2 | 498.9 |
| 1/4 | 7.3 | 499.8 |
| ¢   | 7.0 | 500.1 |
| 1/4 | 7.6 | 499.5 |
| cb  | 5.8 | 501.3 |
| N   | 5.1 | 502.0 |

W.L. Dora = 0+20

|     |     |       |
|-----|-----|-------|
| N   | 5.8 | 501.3 |
| cb  | 6.3 | 500.8 |
| +8  | 6.8 | 500.3 |
| 1/4 | 7.8 | 499.3 |

H.I. 507.11

13

|     |     |       |
|-----|-----|-------|
| ¢   | 7.2 | 499.9 |
| 1/4 | 7.8 | 499.3 |
| cb  | 8.5 | 498.6 |
| S   | 9.0 | 498.1 |
| S   | 9.8 | 497.3 |
| cb  | 9.3 | 97.8  |
| 1/4 | 8.2 | 98.9  |
| ¢   | 7.9 | 99.2  |
| 1/4 | 8.3 | 98.8  |
| cb  | 7.4 | 99.7  |
| N   | 6.9 | 500.2 |

0+20

|     |     |       |
|-----|-----|-------|
| N   | 7.2 | 499.9 |
| cb  | 7.7 | 499.4 |
| 1/4 | 8.7 | 98.4  |
| ¢   | 8.0 | 99.1  |
| 1/4 | 8.5 | 98.6  |
| cb  | 9.6 | 97.5  |
| S   | 9.9 | 97.2  |

0+45

|     |      |       |
|-----|------|-------|
| S   | 10.2 | 496.9 |
| cb  | 9.7  | 97.4  |
| 1/4 | 8.6  | 98.5  |
| ¢   | 8.2  | 98.9  |



H.I. 507.11

|      |      |       |
|------|------|-------|
| 1/4  | 8.4  | 498.7 |
| cb   | 7.6  | 99.5  |
| N    | 7.2  | 99.9  |
| 1+95 |      |       |
| N    | 7.1  | 500.0 |
| cb   | 7.5  | 499.6 |
| 1/4  | 8.5  | 98.6  |
| ♀    | 8.2  | 98.9  |
| 1/4  | 8.6  | 98.5  |
| cb   | 9.6  | 97.5  |
| S    | 10.1 | 97.0  |
| 1+20 |      |       |
| S    | 10.0 | 97.1  |
| cb   | 9.8  | 97.3  |
| 1/4  | 8.7  | 98.4  |
| ♀    | 8.2  | 98.9  |
| 1/4  | 8.5  | 98.6  |
| +5   | 7.6  | 99.5  |
| cb   | 7.2  | 99.9  |
| N    | 6.8  | 500.3 |
| 1+45 |      |       |
| N    | 6.2  | 500.9 |
| cb   | 7.0  | 500.1 |
| +8   | 7.5  | 499.6 |
| 1/4  | 8.8  | 498.3 |

H.I. 507.11

14

|      |     |       |
|------|-----|-------|
| ♀    | 8.3 | 498.8 |
| 1/4  | 8.5 | 498.6 |
| cb   | 9.2 | 497.9 |
| S    | 9.6 | 497.5 |
| 1+70 |     |       |
| S    | 9.3 | 497.8 |
| cb   | 8.9 | 498.2 |
| 1/4  | 8.1 | 499.0 |
| ♀    | 7.9 | 499.2 |
| 1/4  | 8.4 | 498.7 |
| +2   | 7.0 | 500.1 |
| cb   | 6.6 | 500.5 |
| N    | 6.0 | 501.1 |
| 1+95 |     |       |
| N    | 5.2 | 501.9 |
| cb   | 5.8 | 501.3 |
| +6   | 6.5 | 500.6 |
| 1/4  | 7.2 | 499.9 |
| ♀    | 7.2 | 499.9 |
| 1/4  | 7.2 | 499.9 |
| cb   | 7.8 | 499.3 |
| S    | 8.3 | 498.8 |
| 2+20 |     |       |
| S    | 7.6 | 499.5 |
| cb   | 7.0 | 500.1 |

H.I. 507.11

|      |       |             |
|------|-------|-------------|
| 1/4  | 6.8   | 500.3       |
| ¢    | 6.6   | 500.5       |
| 1/4  | 7.0   | 500.1       |
| +v   | 5.2   | 501.9       |
| cb   | 4.6   | 502.5       |
| N    | 4.0   | 503.1       |
|      | 2+4.5 |             |
| N    | 2.8   | 504.3       |
| cb   | 3.6   | 503.5       |
| +8   | 4.4   | 502.7       |
| 1/4  | 6.3   | 500.8       |
| ¢    | 6.2   | 500.9       |
| 1/4  | 6.5   | 500.6       |
| cb   | 6.1   | 501.0       |
| S    | 6.6   | 500.5       |
| T.P. |       | -573 501.38 |

+279

H.I. 504.17

2470

|     |     |       |
|-----|-----|-------|
| S   | 3.5 | 500.7 |
| cb  | 3.2 | 501.0 |
| 1/4 | 3.6 | 500.6 |
| ¢   | 3.4 | 500.8 |
| 1/4 | 3.7 | 500.5 |
| +v  | 1.6 | 502.6 |

H.I. 504.17

15

|     |       |     |       |
|-----|-------|-----|-------|
| cb  | 504.8 | 0.8 | 503.4 |
| N   |       | 0.2 | 504.0 |
|     | 2+9.5 |     |       |
| N   |       | 0.8 | 503.4 |
| cb  |       | 1.8 | 502.4 |
| +8  |       | 2.7 | 501.5 |
| 1/4 |       | 4.7 | 499.5 |
| ¢   |       | 4.3 | 499.9 |
| 1/4 |       | 4.6 | 499.6 |
| cb  |       | 4.8 | 499.4 |
| S   |       | 4.9 | 499.3 |
|     | 3+20  |     |       |
| S   |       | 6.9 | 497.3 |
| cb  |       | 6.4 | 497.8 |
| 1/4 |       | 5.5 | 498.7 |
| ¢   |       | 5.4 | 498.7 |
| 1/4 |       | 5.9 | 498.3 |
| +v  |       | 3.9 | 500.3 |
| cb  |       | 3.2 | 501.0 |
| N   |       | 2.1 | 502.1 |
|     | 3+4.5 |     |       |
| N   |       | 3.2 | 501.0 |
| cb  |       | 4.7 | 499.5 |
| +8  |       | 5.6 | 498.6 |
| 1/4 |       | 7.3 | 496.9 |

504.2

H.I. 504.17

|     |      |      |       |
|-----|------|------|-------|
| ¢   | 5042 | 6.4  | 497.8 |
| 1/4 |      | 6.2  | 498.0 |
| cb  |      | 8.3  | 495.9 |
| S   |      | 9.1  | 495.1 |
|     | 3470 |      |       |
| S   |      | 10.6 | 493.6 |
| cb  |      | 9.2  | 495.0 |
| 1/4 |      | 7.5  | 496.7 |
| ¢   |      | 7.3  | 496.9 |
| 1/4 |      | 8.0  | 496.2 |
| +2  |      | 6.4  | 497.8 |
| cb  |      | 5.4  | 498.8 |
| N   |      | 4.3  | 499.9 |
|     | 3495 |      |       |
| N   |      | 4.7  | 499.5 |
| cb  |      | 5.7  | 498.5 |
| +8  |      | 7.1  | 497.1 |
| 1/4 |      | 8.9  | 495.3 |
| ¢   |      | 8.1  | 496.1 |
| 1/4 |      | 8.4  | 495.8 |
| cb  |      | 10.2 | 494.0 |
| S   |      | 11.1 | 493.1 |
|     | 4420 |      |       |
| S   |      | 12.0 | 492.2 |
| cb  |      | 11.3 | 492.9 |

H.I. 504.17

16

|     |      |      |       |
|-----|------|------|-------|
| +7  |      | 10.3 | 493.9 |
| 1/4 | 5042 | 9.3  | 494.9 |
| ¢   |      | 9.0  | 495.2 |
| 1/4 |      | 9.7  | 494.5 |
| +2  |      | 7.8  | 496.4 |
| cb  |      | 7.0  | 497.2 |
| N   |      | 5.6  | 498.6 |
|     | 4445 |      |       |
| N   |      | 6.9  | 497.3 |
| cb  |      | 8.1  | 496.1 |
| +8  |      | 9.4  | 494.8 |
| 1/4 |      | 10.6 | 493.6 |
| ¢   |      | 10.0 | 494.2 |
| 1/4 |      | 10.6 | 493.6 |
| +3  |      | 11.8 | 492.4 |
| cb  |      | 12.4 | 491.8 |
| S   |      | 13.2 | 491.0 |
|     | 4470 |      |       |
| S   |      | 14.0 | 490.2 |
| cb  |      | 12.8 | 501.4 |
| +6  |      | 12.3 | 491.9 |
| 1/4 |      | 11.3 | 492.9 |
| ¢   |      | 10.7 | 493.5 |
| 1/4 |      | 11.2 | 493.0 |
| +2  |      | 9.8  | 494.4 |

H.I. 504.17

|     |       |       |
|-----|-------|-------|
| cb  | 9.1   | 495.1 |
| N   | 7.9   | 496.3 |
|     | 4+9.5 |       |
| N   | 8.7   | 495.5 |
| cb  | 9.9   | 494.3 |
| +8  | 10.8  | 493.4 |
| +9  | 11.5  | 492.7 |
| 1/4 | 11.7  | 492.5 |
| ¢   | 11.3  | 492.9 |
| 1/4 | 11.9  | 492.3 |
| +3  | 12.9  | 491.3 |
| cb  | 13.4  | 490.8 |
| 5   | 14.2  | 490.0 |
|     | 5+20  |       |
| 5   | 14.8  | 489.4 |
| cb  | 13.9  | 490.3 |
| +7  | 13.3  | 490.9 |
| 1/4 | 12.4  | 491.8 |
| ¢   | 11.6  | 492.6 |
| 1/4 | 12.2  | 492.0 |
| +1  | 12.2  | 492.0 |
| +2  | 11.3  | 492.9 |
| cb  | 10.7  | 493.5 |
| N   | 9.9   | 494.3 |

H.I. 504.17

17

5+45

|     |      |       |
|-----|------|-------|
| N   | 10.7 | 493.5 |
| cb  | 11.4 | 492.8 |
| +8  | 11.8 | 492.4 |
| +9  | 12.5 | 491.7 |
| 1/4 | 12.5 | 491.7 |
| ¢   | 12.1 | 492.1 |
| 1/4 | 12.8 | 491.4 |
| +3  | 13.6 | 490.6 |
| cb  | 13.9 | 490.3 |
| 5   | 14.3 | 489.9 |
|     | 5+70 |       |
| 5   | 14.8 | 489.4 |
| cb  | 14.0 | 490.2 |
| +5  | 13.7 | 490.5 |
| +8  | 12.4 | 491.8 |
| 1/4 | 12.6 | 491.6 |
| ¢   | 12.4 | 491.8 |
| 1/4 | 12.5 | 491.7 |
| +1  | 12.5 | 491.7 |
| +2  | 11.5 | 492.7 |
| cb  | 10.9 | 493.3 |
| N   | 10.0 | 494.2 |
|     | 5+95 |       |
| N   | 9.1  | 495.1 |
| cb  | 10.0 | 494.2 |

H.I. 504.17

|   |      |              |     |
|---|------|--------------|-----|
| +8  | 10.9 | 492.3        | cb  |
| 1/4   | 12.0 | 492.2        | S   |
| ♀   | 11.7 | 492.5        |     |
| 1/4   | 12.4 | 491.8        | S   |
| cb  | 13.5 | 490.7        | cb  |
| S   | 13.6 | 490.6        | 1/4 |
| 6+20 = E. to Helen - 60' wide 10' cbs - 10' 1/4 |      |              |     |
| S   | 13.6 | 490.6        | 1/4 |
| +8  | 13.1 | 491.1        | cb  |
| cb  | 12.0 | 492.2        | N   |
| 1/4   | 11.3 | 492.9        |     |
| ♀   | 10.5 | 493.7        | N   |
| 1/4   | 10.6 | 493.6        | cb  |
| +2  | 9.5  | 494.7        | 1/4 |
| cb  | 8.9  | 495.3        | ♀   |
| N   | 8.6  | 495.6        | 1/4 |
| T.P.  |      | -7.56 496.61 | cb  |

+142

H.I. 498.03

|             |       |     |       |     |
|-------------|-------|-----|-------|-----|
| E. to Helen |       |     |       |     |
| N           | 498.0 | 2.6 | 495.4 | cb  |
| cb          |       | 2.9 | 495.1 | 1/4 |
| 1/4         |       | 3.7 | 494.3 | ♀   |
| ♀           |       | 4.2 | 493.8 | 1/4 |
| 1/4         |       | 4.9 | 493.1 | cb  |

H.I. 498.03

18

|             |     |       |  |
|-------------|-----|-------|--|
|             | 5.7 | 492.3 |  |
|             | 6.6 | 491.4 |  |
| ♀ Helen     |     |       |  |
|             | 5.9 | 492.1 |  |
|             | 5.3 | 492.7 |  |
|             | 4.7 | 493.3 |  |
|             | 4.1 | 493.9 |  |
|             | 3.6 | 494.4 |  |
|             | 3.0 | 495.0 |  |
|             | 2.4 | 495.6 |  |
| W. to Helen |     |       |  |
|             | 4.0 | 494.0 |  |
|             | 4.8 | 493.2 |  |
|             | 5.3 | 492.7 |  |
|             | 5.1 | 492.9 |  |
|             | 5.8 | 492.2 |  |
|             | 6.2 | 491.8 |  |
|             | 6.3 | 491.7 |  |

W. to Helen - 200

|  |     |       |  |
|--|-----|-------|--|
|  | 6.3 | 491.7 |  |
|  | 6.2 | 491.8 |  |
|  | 6.3 | 491.7 |  |
|  | 5.6 | 492.4 |  |
|  | 6.2 | 491.8 |  |
|  | 5.0 | 493.0 |  |

H. 498.03

|     |      |       |
|-----|------|-------|
| N   | 4.5  | 493.5 |
|     | 0+20 |       |
| N   | 5.0  | 493.0 |
| cb  | 5.9  | 492.1 |
| +7  | 6.4  | 491.6 |
| +8  | 7.7  | 490.3 |
| 1/4 | 7.7  | 490.3 |
| ♀   | 6.7  | 491.3 |
| 1/4 | 7.6  | 490.4 |
| cb  | 7.5  | 490.5 |
| S   | 7.6  | 490.4 |
|     | 0+45 |       |
| S   | 9.2  | 488.8 |
| cb  | 9.1  | 488.9 |
| 1/4 | 8.9  | 489.1 |
| ♀   | 8.0  | 490.0 |
| 1/4 | 8.6  | 489.4 |
| +2  | 8.6  | 489.4 |
| +3  | 7.4  | 490.6 |
| cb  | 7.0  | 491.0 |
| N   | 6.0  | 492.0 |
|     | 0+70 |       |
| N   | 7.0  | 491.0 |
| cb  | 8.0  | 490.0 |
| +6  | 8.5  | 489.5 |
| +8  | 9.8  | 488.2 |
| 1/4 | 9.8  | 488.2 |

H. 498.03

19

|     |       |      |       |
|-----|-------|------|-------|
| ♀   | 488.0 | 9.1  | 488.9 |
| 1/4 |       | 10.3 | 487.7 |
| cb  |       | 10.5 | 487.5 |
| S   |       | 10.8 | 487.2 |
|     | 0+95  |      |       |
| S   |       | 12.0 | 486.0 |
| cb  |       | 11.7 | 486.3 |
| 1/4 |       | 11.4 | 486.6 |
| ♀   |       | 10.3 | 487.7 |
| 1/4 |       | 10.6 | 487.4 |
| +2  |       | 10.7 | 487.3 |
| +4  |       | 9.7  | 488.3 |
| cb  |       | 9.3  | 488.7 |
| N   |       | 8.5  | 489.5 |
|     | 1+20  |      |       |
| N   |       | 9.6  | 488.4 |
| cb  |       | 10.3 | 487.7 |
| +6  |       | 10.7 | 487.3 |
| +7  |       | 11.4 | 486.6 |
| 1/4 |       | 11.4 | 486.6 |
| ♀   |       | 11.3 | 486.7 |
| 1/4 |       | 12.0 | 486.0 |
| cb  |       | 12.4 | 485.6 |
| S   |       | 13.2 | 484.8 |

H.L. 498.03

1+45

|      |      |       |
|------|------|-------|
| S    | 13.1 | 484.9 |
| cb   | 12.9 | 485.1 |
| 1/4  | 12.5 | 485.5 |
| ¢    | 11.8 | 486.2 |
| 1/4  | 12.0 | 486.0 |
| +2   | 12.0 | 486.0 |
| +3   | 11.1 | 486.9 |
| cb   | 10.7 | 487.3 |
| N    | 10.1 | 487.9 |
| 1+70 |      |       |
| N    | 10.2 | 487.8 |
| cb   | 10.7 | 487.3 |
| +8   | 11.2 | 486.8 |
| 1/4  | 12.0 | 486.0 |
| ¢    | 11.5 | 486.5 |
| 1/4  | 12.6 | 485.4 |
| cb   | 12.9 | 485.1 |
| S    | 13.3 | 484.7 |
| 1+95 |      |       |
| S    | 12.3 | 485.7 |
| cb   | 11.8 | 486.2 |
| 1/4  | 11.5 | 486.5 |
| ¢    | 10.6 | 487.4 |
| 1/4  | 11.3 | 486.7 |
| +2   | 11.3 | 486.7 |

H.L. 498.03

20

|      |      |       |
|------|------|-------|
| +3   | 10.4 | 487.6 |
| cb   | 10.0 | 880   |
| N    | 9.5  | 885   |
| 2+20 |      |       |
| N    | 8.5  | 89.5  |
| cb   | 8.9  | 89.1  |
| +7   | 9.0  | 89.0  |
| +8   | 10.1 | 87.9  |
| 1/4  | 10.1 | 87.9  |
| ¢    | 9.1  | 88.9  |
| 1/4  | 9.9  | 88.1  |
| cb   | 10.4 | 87.6  |
| S    | 10.9 | 87.1  |
| 2+45 |      |       |
| S    | 9.5  | 88.5  |
| cb   | 9.1  | 88.9  |
| 1/4  | 8.5  | 89.5  |
| ¢    | 7.6  | 90.4  |
| 1/4  | 8.3  | 89.7  |
| +2   | 8.3  | 89.7  |
| +3   | 7.0  | 91.0  |
| cb   | 6.7  | 91.3  |
| N    | 6.3  | 91.7  |

H.I. 498.03

2+70

|     |     |       |
|-----|-----|-------|
| N   | 5.1 | 892.9 |
| cb  | 6.0 | 892.0 |
| +7  | 6.7 | 91.3  |
| +8  | 8.0 | 90.0  |
| 1/4 | 8.0 | 90.0  |
| ♀   | 7.3 | 90.7  |
| 1/4 | 8.3 | 89.7  |
| cb  | 9.2 | 88.8  |
| S   | 9.5 | 88.5  |

2+95

|     |      |      |
|-----|------|------|
| S   | 10.0 | 88.0 |
| cb  | 9.5  | 88.5 |
| 1/4 | 9.0  | 89.0 |
| ♀   | 7.9  | 90.1 |
| 1/4 | 8.3  | 89.7 |
| +2  | 8.3  | 87.7 |
| +3  | 7.1  | 90.9 |
| cb  | 6.1  | 91.4 |
| N   | 6.2  | 91.8 |

3+70

|     |     |      |
|-----|-----|------|
| N   | 7.4 | 90.6 |
| cb  | 8.3 | 89.7 |
| +5  | 8.4 | 89.6 |
| +6  | 9.9 | 88.1 |
| 1/4 | 9.9 | 88.1 |

H.I. 498.03

21

|      |      |       |
|------|------|-------|
| ♀    | 9.2  | 888.8 |
| 1/4  | 10.5 | 87.5  |
| cb   | 10.6 | 87.4  |
| S    | 11.7 | 86.3  |
| 3+45 |      |       |
| S    | 12.4 | 85.6  |
| cb   | 11.9 | 86.1  |
| 1/4  | 11.7 | 86.3  |
| ♀    | 10.5 | 87.5  |
| 1/4  | 11.4 | 86.6  |
| +2   | 11.4 | 86.6  |
| +3   | 10.3 | 87.7  |
| cb   | 9.5  | 88.5  |
| N    | 8.9  | 89.1  |

3+70

|     |      |      |
|-----|------|------|
| N   | 10.0 | 88.0 |
| cb  | 11.0 | 87.0 |
| +5  | 11.5 | 86.5 |
| +7  | 12.8 | 85.2 |
| 1/4 | 12.8 | 85.2 |
| ♀   | 11.8 | 86.2 |
| 1/4 | 13.0 | 85.0 |
| cb  | 13.5 | 84.5 |
| S   | 13.6 | 84.4 |



H. 498.03

3495

|     |      |               |
|-----|------|---------------|
| S   | 14.6 | 483.4         |
| cb  | 14.2 | 83.8          |
| 1/4 | 13.9 | 84.1          |
| ¢   | 12.9 | 85.1          |
| 1/4 | 13.3 | 84.7          |
| cb  | 12.3 | 85.7          |
| N   | 11.6 | 86.9          |
| T.P |      | -13.00 485.03 |

+222

787.3

H. 487.25

4420

|     |     |       |
|-----|-----|-------|
| N   | 2.2 | 485.1 |
| cb  | 2.7 | 84.6  |
| 45  | 3.0 | 84.3  |
| 1/4 | 3.9 | 83.4  |
| ¢   | 3.3 | 84.0  |
| 1/4 | 4.2 | 83.1  |
| cb  | 4.5 | 82.8  |
| S   | 4.7 | 82.6  |

4445

|     |     |      |
|-----|-----|------|
| S   | 5.5 | 81.8 |
| cb  | 5.3 | 82.0 |
| 1/4 | 5.2 | 82.1 |
| ¢   | 4.5 | 82.8 |
| 1/4 | 5.0 | 82.3 |

H. 487.25

22

|     |      |       |
|-----|------|-------|
| 45  | 4.2  | 483.1 |
| cb  | 3.9  | 83.4  |
| N   | 3.1  | 84.2  |
|     | 4470 |       |
| N   | 4.3  | 83.0  |
| cb  | 4.9  | 82.4  |
| 1/4 | 6.0  | 81.3  |
| ¢   | 5.4  | 81.9  |
| 1/4 | 6.3  | 81.0  |
| cb  | 5.7  | 81.6  |
| S   | 6.6  | 80.7  |

4495

|     |     |      |
|-----|-----|------|
| S   | 7.6 | 79.7 |
| cb  | 6.4 | 80.9 |
| 1/4 | 7.3 | 80.0 |
| ¢   | 6.4 | 80.9 |
| 1/4 | 7.5 | 79.8 |
| 45  | 6.3 | 81.0 |
| cb  | 6.1 | 81.2 |
| N   | 5.9 | 81.4 |

5420

|     |     |      |
|-----|-----|------|
| N   | 7.4 | 79.9 |
| cb  | 7.8 | 79.5 |
| 1/4 | 8.4 | 78.9 |
| ¢   | 7.6 | 79.7 |

H.J. 487.25

|      |      |       |
|------|------|-------|
| 1/4  | 8.5  | 478.8 |
| cb   | 7.3  | 480.0 |
| S    | 8.0  | 79.3  |
| 5+45 |      |       |
| S    | 9.4  | 77.9  |
| cb   | 9.1  | 78.2  |
| 1/4  | 9.5  | 72.8  |
| ¢    | 8.6  | 78.7  |
| 1/4  | 9.3  | 78.0  |
| cb   | 8.7  | 78.6  |
| N    | 8.9  | 78.4  |
| 5+70 |      |       |
| N    | 9.8  | 77.5  |
| cb   | 9.7  | 77.6  |
| 1/4  | 9.9  | 77.4  |
| ¢    | 9.6  | 77.7  |
| 1/4  | 10.3 | 77.0  |
| cb   | 9.7  | 77.6  |
| S    | 10.1 | 77.2  |
| 5+95 |      |       |
| S    | 10.7 | 76.6  |
| cb   | 10.2 | 77.1  |
| 1/4  | 10.8 | 76.5  |
| 1/5  | 11.9 | 75.4  |
| 1/4  | 11.4 | 75.9  |

H.J. 487.25

23

|                          |      |               |
|--------------------------|------|---------------|
| ¢                        | 11.1 | 476.2         |
| 1/4                      | 11.4 | 75.9          |
| +3                       | 11.7 | 75.6          |
| +5                       | 10.2 | 76.1          |
| cb                       | 10.0 | 77.3          |
| N                        | 9.9  | 77.4          |
| 6+19                     |      |               |
| N                        | 9.9  | 77.4          |
| +9                       | 10.5 | 76.8          |
| cb                       | 12.6 | 74.7          |
| 1/4                      | 12.9 | 74.4          |
| ¢                        | 13.0 | 74.3          |
| 1/4                      | 13.5 | 78.8          |
| cb                       | 13.6 | 73.7          |
| +1                       | 10.8 | 76.5          |
| S                        | 11.1 | 76.2          |
| T.P.                     |      | -12.40 494.85 |
| 40.24                    |      |               |
| H.J. 475.16              |      |               |
| 6+20 = E.L. Loss - Paved |      |               |
| S                        | 1.2  | 474.0         |
| T.pob                    | 1.30 | 473.95        |
| ¢                        | 1.94 | 473.22        |
| 1/4                      | 1.34 | 473.82        |
| ¢                        | 1.03 | 474.13        |

H.I. 47516

|                                |         |           |
|--------------------------------|---------|-----------|
| 1/4                            | 0.82    | 474.34    |
| G                              | 0.96    | 474.20    |
| Top ob                         | 0.36    | 474.80    |
| N                              | 0.1     | 475.15    |
| B.M. S.W. B.P. Rais & El Cajon | -10.98  | 464.18    |
|                                | Correct | 464.12    |
|                                |         | Error .06 |
| Last T.P. Corrected            |         | 474.79    |
|                                | + 5.15  |           |

H.I. 47994

N.L. Lais = 0+00 - Paved

|        |       |      |        |
|--------|-------|------|--------|
| N      | 479.9 | 0.5  | 479.4  |
| +5     |       | 1.4  | 478.5  |
| +7     |       | 4.4  | 475.5  |
| Top ob |       | 5.23 | 474.61 |
| C      |       | 5.71 | 474.23 |
| 14     |       | 5.70 | 474.24 |
| ¢      |       | 5.82 | 474.12 |
| 14     |       | 6.21 | 473.73 |
| G      |       | 6.70 | 473.24 |
| Top ob |       | 6.11 | 473.83 |
| S      |       | 6.21 | 473.7  |
|        | at 04 |      |        |
| S      |       | 3.6  | 476.3  |
| cb     |       | 3.6  | 476.3  |

H.I. 47994

24

|                          |       |       |
|--------------------------|-------|-------|
| 73                       | 5.9   | 474.0 |
| 1/4                      | 5.7   | 74.2  |
| ¢                        | 5.5   | 74.4  |
| 1/4                      | 5.3   | 74.6  |
| +8                       | 5.2   | 74.7  |
| cb                       | 5.5   | 76.4  |
| +1                       | 1.4   | 78.5  |
| N                        | 0.4   | 79.5  |
|                          | at 25 |       |
| N                        | 0.4   | 79.5  |
| +8                       | 1.1   | 78.8  |
| cb                       | 2.3   | 77.6  |
| +1                       | 3.0   | 76.9  |
| 1/4                      | 3.3   | 76.6  |
| ¢                        | 3.5   | 76.4  |
| +9                       | 3.9   | 76.0  |
| 1/4                      | 3.2   | 76.7  |
| +1                       | 2.8   | 77.1  |
| cb                       | 2.8   | 77.1  |
| S                        | 3.2   | 76.7  |
|                          | at 32 |       |
| 3' Concrete Walk at N.L. | 0.08  | 79.86 |
|                          | at 50 |       |
| S                        | 3.2   | 76.7  |
| cb                       | 3.0   | 76.9  |

H. 479.94

|     |      |       |
|-----|------|-------|
| 1/4 | 2.5  | 477.4 |
| ¢   | 2.7  | 77.2  |
| 1/4 | 2.1  | 77.8  |
| cb  | 2.0  | 77.9  |
| +3  | 1.3  | 78.6  |
| N   | 1.0  | 78.9  |
|     | 0+75 |       |
| N   | 2.0  | 77.9  |
| cb  | 2.5  | 77.4  |
| 1/4 | 2.4  | 77.5  |
| ¢   | 3.0  | 76.9  |
| 1/4 | 3.1  | 76.8  |
| cb  | 3.4  | 76.5  |
| S   | 4.1  | 75.8  |
|     | 1+00 |       |
| S   | 5.0  | 74.9  |
| cb  | 4.7  | 75.2  |
| 1/4 | 4.0  | 75.9  |
| ¢   | 3.8  | 76.1  |
| 1/4 | 3.3  | 76.6  |
| cb  | 3.7  | 76.5  |
| N   | 2.8  | 77.1  |
|     | 1+75 |       |
| N   | 3.8  | 76.1  |
| cb  | 4.3  | 75.6  |

H. 479.94

25

|     |      |       |
|-----|------|-------|
| 1/4 | 4.2  | 475.7 |
| ¢   | 4.7  | 75.2  |
| 1/4 | 5.5  | 74.4  |
| cb  | 6.0  | 73.9  |
| S   | 6.2  | 73.7  |
|     | 1+50 |       |
| S   | 6.8  | 73.1  |
| cb  | 6.3  | 73.6  |
| 1/4 | 6.1  | 73.8  |
| ¢   | 5.4  | 74.5  |
| 1/4 | 4.8  | 75.1  |
| cb  | 4.9  | 75.0  |
| N   | 4.2  | 75.7  |
|     | 1+75 |       |
| N   | 4.3  | 75.6  |
| cb  | 5.2  | 74.7  |
| 1/4 | 5.1  | 74.8  |
| ¢   | 6.1  | 73.8  |
| 1/4 | 6.5  | 73.4  |
| cb  | 7.2  | 72.9  |
| S   | 7.7  | 72.2  |
|     | 2+00 |       |
| S   | 8.2  | 71.7  |
| cb  | 7.5  | 72.4  |
| 1/4 | 6.8  | 73.1  |

H.I. 479.94

H.I. 479.94

26

|     |     |       |
|-----|-----|-------|
| \$  | 6.1 | 473.8 |
| 1/4 | 5.2 | 74.7  |
| cb  | 5.1 | 74.8  |
| N   | 4.7 | 75.2  |

2425

|     |     |      |
|-----|-----|------|
| X   | 4.8 | 75.1 |
| cb  | 5.6 | 74.3 |
| 1/4 | 5.4 | 74.5 |
| \$  | 6.5 | 73.4 |
| 1/4 | 7.4 | 72.5 |
| cb  | 8.3 | 71.6 |
| S   | 8.9 | 71.0 |

2437

4' Concrete Walk 2' in St. from N.L. 4.76 475.18

2450

|     |     |       |
|-----|-----|-------|
| S   | 9.3 | 470.6 |
| cb  | 8.7 | 471.2 |
| 1/4 | 7.6 | 72.3  |
| \$  | 6.7 | 73.2  |
| 1/4 | 5.7 | 74.2  |
| cb  | 5.8 | 74.1  |
| +3  | 5.0 | 74.9  |
| N   | 4.9 | 75.0  |

2475

|   |     |      |
|---|-----|------|
| X | 5.4 | 74.5 |
|---|-----|------|

1/4

cb

1/4

\$

1/4

cb

S

4' Concrete Walk 2' in St. from N.L.

S

cb

1/4

\$

1/4

cb

+3

N

N

cb

1/4

\$

1/4

cb

S

3.6

c.1

5.9

6.8

7.7

8.7

9.4

2488

5.54

2400

9.3

8.5

7.8

7.0

6.4

6.8

6.1

6.0

2425

6.7

7.0

7.0

7.8

8.2

8.8

9.6

474.3

472.8

74.0

73.1

72.2

71.2

70.5

474.40

470.6

71.4

72.1

72.9

73.5

73.1

73.8

73.9

73.2

72.9

72.9

72.1

71.7

71.1

70.3

H.I. 479.94

3.450

|     |      |       |
|-----|------|-------|
| S   | 10.8 | 469.1 |
| cb  | 9.8  | 70.1  |
| 1/4 | 8.8  | 71.1  |
| ¢   | 8.1  | 71.8  |
| 1/4 | 7.6  | 72.3  |
| cb  | 7.7  | 72.2  |
| N   | 6.9  | 73.0  |

3.475

|     |      |       |
|-----|------|-------|
| N   | 7.1  | 72.8  |
| 4¢  | 7.4  | 72.5  |
| cb  | 8.3  | 71.6  |
| 1/4 | 8.1  | 71.8  |
| ¢   | 8.8  | 71.1  |
| 1/4 | 9.3  | 70.6  |
| cb  | 10.1 | 69.8  |
| S   | 10.8 | 469.1 |

4.167 -8.30 471.64

S 4.167

H.I. 473.31

473.3

4.400

|     |     |       |
|-----|-----|-------|
| S   | 4.4 | 468.9 |
| cb  | 3.0 | 70.3  |
| 1/4 | 3.3 | 70.0  |
| ¢   | 2.7 | 70.6  |
| 1/4 | 2.0 | 71.3  |

H.I. 473.31

27

|    |     |       |
|----|-----|-------|
| cb | 2.3 | 471.0 |
| 43 | 1.5 | 71.8  |
| N  | 1.1 | 72.2  |

4.425

|     |     |       |
|-----|-----|-------|
| d   | 1.7 | 471.6 |
| 48  | 2.1 | 71.2  |
| cb  | 2.9 | 70.4  |
| 1/4 | 2.4 | 70.9  |
| ¢   | 3.1 | 70.2  |
| 1/4 | 3.8 | 69.5  |
| cb  | 4.3 | 69.0  |
| S   | 5.0 | 68.3  |

4.450

|     |     |      |
|-----|-----|------|
| S   | 5.4 | 67.9 |
| cb  | 4.9 | 68.4 |
| 1/4 | 4.3 | 69.0 |
| ¢   | 3.8 | 69.5 |
| 1/4 | 3.0 | 70.3 |
| cb  | 3.4 | 69.9 |
| 43  | 2.3 | 71.0 |
| N   | 2.5 | 70.8 |

4.475

|     |     |      |
|-----|-----|------|
| N   | 3.3 | 70.0 |
| 48  | 3.8 | 69.5 |
| cb  | 4.1 | 69.2 |
| 1/4 | 3.8 | 69.5 |

H.I. 473.31

|      |    |       |
|------|----|-------|
| ¢    | 45 | 468.8 |
| 1/4  | 50 | 468.3 |
| cb   | 54 | 467.9 |
| S    | 57 | 67.6  |
| 5400 |    |       |
| S    | 63 | 67.0  |
| cb   | 60 | 67.3  |
| 1/4  | 56 | 67.7  |
| ¢    | 55 | 67.8  |
| 1/4  | 47 | 68.6  |
| +8   | 51 | 68.2  |
| cb   | 43 | 69.0  |
| N    | 43 | 69.0  |
| 5725 |    |       |
| N    | 52 | 68.1  |
| cb   | 49 | 68.4  |
| +2   | 57 | 67.6  |
| 1/4  | 54 | 67.9  |
| ¢    | 61 | 67.2  |
| 1/4  | 63 | 67.0  |
| cb   | 67 | 66.6  |
| S    | 72 | 66.1  |
| 5750 |    |       |
| S    | 80 | 65.3  |
| cb   | 75 | 65.8  |

H.I. 473.31

28

|      |    |       |
|------|----|-------|
| 1/4  | 69 | 466.7 |
| ¢    | 68 | 466.5 |
| 1/4  | 61 | 467.2 |
| +8   | 63 | 467.0 |
| cb   | 56 | 67.7  |
| N    | 58 | 67.5  |
| 5775 |    |       |
| N    | 69 | 66.4  |
| cb   | 67 | 66.6  |
| 1/4  | 68 | 66.5  |
| ¢    | 74 | 65.9  |
| 1/4  | 75 | 65.8  |
| cb   | 80 | 65.3  |
| S    | 84 | 64.9  |
| 6400 |    |       |
| S    | 90 | 64.3  |
| cb   | 86 | 64.7  |
| 1/4  | 84 | 64.9  |
| ¢    | 84 | 64.9  |
| 1/4  | 77 | 65.6  |
| +8   | 84 | 64.9  |
| cb   | 75 | 65.8  |
| N    | 77 | 65.6  |

H.I. 473.31

6420 = E.L. Victoria - 60' wide webs

|     |     |       |
|-----|-----|-------|
| N   | 8.0 | 465.3 |
| cb  | 8.1 | 65.2  |
| 1/4 | 8.4 | 64.9  |
| ¢   | 8.8 | 64.5  |
| 1/4 | 8.9 | 64.4  |
| cb  | 9.0 | 64.3  |
| S   | 9.4 | 63.9  |

E cb Victoria

|     |     |      |
|-----|-----|------|
| S   | 9.4 | 63.9 |
| cb  | 9.1 | 64.2 |
| 1/4 | 8.9 | 64.4 |
| ¢   | 9.0 | 64.3 |
| 1/4 | 8.6 | 64.7 |
| cb  | 8.7 | 64.6 |
| N   | 8.6 | 64.7 |

¢ Victoria

|     |     |       |
|-----|-----|-------|
| N   | 9.1 | 464.2 |
| cb  | 9.2 | 64.1  |
| 1/4 | 9.2 | 64.1  |
| ¢   | 9.4 | 63.9  |
| 1/4 | 9.4 | 63.9  |
| cb  | 9.6 | 63.7  |
| S   | 9.8 | 63.5  |

W cb Victoria

|   |      |      |
|---|------|------|
| S | 10.7 | 62.6 |
|---|------|------|

H.I. 473.31

29

|     |      |       |
|-----|------|-------|
| cb  | 10.7 | 463.1 |
| 1/4 | 10.0 | 63.3  |
| ¢   | 9.8  | 63.5  |
| 1/4 | 9.8  | 63.5  |
| cb  | 10.0 | 63.3  |
| N   | 10.4 | 62.9  |

W.L. Victoria - 400

|      |      |               |
|------|------|---------------|
| N    | 10.5 | 62.8          |
| cb   | 10.3 | 63.0          |
| 1/4  | 10.0 | 63.3          |
| ¢    | 9.9  | 63.4          |
| 1/4  | 10.4 | 62.9          |
| cb   | 10.7 | 62.6          |
| S    | 10.5 | 62.8          |
| T.P. |      | - 2.77 463.52 |

+ 2.17

H.I. 465.49

0+25

|     |       |     |        |
|-----|-------|-----|--------|
| S   | 465.5 | 2.9 | 462.6  |
| cb  |       | 3.1 | + 62.4 |
| 1/4 |       | 2.9 | + 62.6 |
| ¢   |       | 2.3 | 463.2  |
| 1/4 |       | 2.9 | 462.6  |
| cb  |       | 3.4 | 462.7  |
| N   |       | 3.2 | 462.3  |



H.I. 465.49

0+50

|     |     |       |
|-----|-----|-------|
| N   | 3.5 | 462.0 |
| cb  | 3.7 | 461.8 |
| 1/4 | 3.4 | 462.1 |
| ¢   | 2.7 | 62.8  |
| 1/4 | 3.4 | 62.1  |
| cb  | 3.5 | 62.0  |
| S   | 3.3 | 62.2  |

0+75

|     |     |      |
|-----|-----|------|
| S   | 3.8 | 61.7 |
| cb  | 4.0 | 61.5 |
| 1/4 | 3.9 | 61.6 |
| ¢   | 3.3 | 62.2 |
| 1/4 | 3.9 | 61.6 |
| cb  | 4.1 | 61.4 |
| X   | 3.9 | 61.6 |

1+00

|     |     |      |
|-----|-----|------|
| N   | 4.3 | 61.2 |
| cb  | 4.4 | 61.1 |
| 1/4 | 4.4 | 61.1 |
| ¢   | 3.8 | 61.7 |
| 1/4 | 4.6 | 60.9 |
| cb  | 4.7 | 60.8 |
| S   | 4.6 | 60.9 |

1+25

|   |     |      |
|---|-----|------|
| S | 4.7 | 60.8 |
|---|-----|------|

H.I. 465.49

30

|     |     |       |
|-----|-----|-------|
| cb  | 5.0 | 460.5 |
| 1/4 | 4.9 | 460.6 |
| ¢   | 4.2 | 461.3 |
| 1/4 | 4.9 | 60.6  |
| cb  | 4.9 | 60.6  |
| X   | 4.6 | 60.9  |

1+50

|     |     |      |
|-----|-----|------|
| X   | 5.0 | 60.5 |
| cb  | 5.2 | 60.3 |
| 1/4 | 5.4 | 60.1 |
| ¢   | 4.7 | 60.8 |
| 1/4 | 5.2 | 60.3 |
| cb  | 5.5 | 60.0 |
| S   | 5.3 | 60.2 |

1+75

|     |     |      |
|-----|-----|------|
| S   | 6.4 | 59.1 |
| cb  | 6.3 | 59.2 |
| 1/4 | 6.0 | 59.5 |
| ¢   | 5.4 | 60.1 |
| 1/4 | 6.0 | 59.5 |
| cb  | 5.7 | 59.8 |
| N   | 5.5 | 60.0 |

2+00

|    |     |      |
|----|-----|------|
| X  | 6.0 | 59.5 |
| cb | 6.3 | 59.2 |

H.I. 465.49

|      |      |       |
|------|------|-------|
| 1/4  | 68   | 458.7 |
| Q    | 60   | 59.5  |
| 1/4  | 67   | 58.8  |
| cb   | 68   | 58.7  |
| S    | 7.0  | 58.5  |
|      | 2+25 |       |
| S    | 7.4  | 58.1  |
| cb   | 7.3  | 58.2  |
| 1/4  | 7.5  | 58.0  |
| Q    | 6.9  | 58.6  |
| 1/4  | 7.7  | 57.8  |
| +2   | 6.2  | 59.3  |
| cb   | 6.8  | 58.7  |
| N    | 6.5  | 59.0  |
|      | 2+50 |       |
| N    | 6.8  | 58.7  |
| cb   | 7.0  | 58.5  |
| +5   | 7.1  | 58.4  |
| +1/4 | 9.0  | 56.5  |
| +5   | 7.9  | 57.6  |
| Q    | 7.7  | 57.8  |
| 1/4  | 8.4  | 57.1  |
| +3   | 7.7  | 57.8  |
| cb   | 7.6  | 57.9  |
| S    | 7.5  | 58.0  |

H.I. 465.49

31

2+75

|     |      |       |
|-----|------|-------|
| S   | 8.7  | 456.8 |
| cb  | 8.7  | 56.8  |
| +8  | 8.6  | 56.9  |
| 1/4 | 9.5  | 56.0  |
| Q   | 8.5  | 57.0  |
| +6  | 8.8  | 56.7  |
| +9  | 9.6  | 55.9  |
| 1/4 | 9.0  | 56.5  |
| +2  | 7.8  | 57.7  |
| cb  | 7.7  | 57.8  |
| N   | 7.5  | 58.0  |
|     | 3+00 |       |
| N   | 8.0  | 57.5  |
| cb  | 8.5  | 57.0  |
| +7  | 8.7  | 56.8  |
| 1/4 | 10.6 | 54.9  |
| +4  | 9.5  | 56.0  |
| Q   | 9.3  | 56.2  |
| 1/4 | 10.3 | 55.2  |
| +2  | 9.3  | 56.2  |
| cb  | 9.6  | 55.9  |
| S   | 9.2  | 56.3  |
|     | 3+25 |       |
| S   | 11.3 | 54.2  |
| cb  | 10.7 | 54.8  |

H.I. 465.49

|      |       |        |
|------|-------|--------|
| 1/4  | 11.4  | 454.1  |
| ¢    | 10.5  | 55.0   |
| +6   | 11.0  | 54.5   |
| 1/4  | 11.8  | 53.7   |
| +2   | 10.0  | 55.5   |
| cb   | 9.6   | 55.9   |
| N    | 9.5   | 56.0   |
| T.P. | -9.91 | 455.68 |

+0.79

456.5

H.I. 456.47

3+50

|     |      |        |
|-----|------|--------|
| N   | 2.3  | 454.22 |
| cb  | 2.7  | 53.8   |
| +8  | 2.7  | 53.8   |
| 1/4 | 4.3  | 52.2   |
| +2  | 4.3  | 52.2   |
| +4  | 3.2  | 53.3   |
| ¢   | 2.8  | 53.7   |
| #7  | 3.5  | 53.0   |
| 1/4 | 3.7  | 52.8   |
| +3  | 3.2  | 53.3   |
| cb  | 3.4  | 53.1   |
| 5   | 3.1  | 53.4   |
|     | 3+75 |        |
| 5   | 4.7  | 51.8   |

H.I. 456.47

32

|     |     |       |
|-----|-----|-------|
| cb  | 4.5 | 452.0 |
| 1/4 | 4.8 | 51.7  |
| ¢   | 4.3 | 52.2  |
| 1/4 | 5.0 | 51.5  |
| cb  | 4.4 | 52.1  |
| N   | 4.2 | 52.3  |

4+00

|     |     |      |
|-----|-----|------|
| N   | 5.5 | 51.0 |
| cb  | 5.5 | 51.0 |
| 1/4 | 5.6 | 50.9 |
| ¢   | 5.4 | 51.1 |
| 1/4 | 5.5 | 51.0 |
| cb  | 5.7 | 50.8 |
| 5   | 5.4 | 51.1 |

4+25

|     |     |      |
|-----|-----|------|
| 5   | 6.1 | 50.4 |
| cb  | 6.4 | 50.1 |
| 1/4 | 6.4 | 50.1 |
| ¢   | 6.3 | 50.2 |
| 1/4 | 6.2 | 50.3 |
| cb  | 6.5 | 50.0 |
| N   | 7.0 | 49.5 |

4+50

|    |     |      |
|----|-----|------|
| N  | 7.5 | 49.0 |
| cb | 7.2 | 49.3 |

H.I. 456.47

|      |     |      |
|------|-----|------|
| 1/4  | 6.8 | 49.7 |
| ♀    | 6.8 | 49.7 |
| 1/4  | 6.9 | 49.6 |
| cb   | 7.1 | 49.4 |
| S    | 6.9 | 49.6 |
| 4+75 |     |      |
| S    | 6.9 | 49.6 |
| cb   | 7.7 | 48.8 |
| 1/4  | 7.5 | 49.0 |
| ♀    | 7.2 | 49.3 |
| 1/4  | 7.3 | 49.2 |
| cb   | 8.2 | 48.3 |
| N    | 8.2 | 48.3 |
| 5+00 |     |      |
| N    | 8.4 | 48.1 |
| cb   | 8.2 | 48.3 |
| 1/4  | 7.8 | 48.7 |
| ♀    | 7.4 | 49.1 |
| 1/4  | 7.8 | 48.7 |
| cb   | 7.3 | 49.2 |
| S    | 7.3 | 49.2 |
| 5+25 |     |      |
| S    | 7.1 | 49.4 |
| cb   | 7.3 | 49.2 |
| 1/4  | 7.4 | 49.1 |

H.I. 456.47

33

|      |     |      |
|------|-----|------|
| ♀    | 7.2 | 49.3 |
| 1/4  | 7.2 | 48.8 |
| cb   | 7.2 | 49.3 |
| N    | 7.4 | 49.1 |
| 5+50 |     |      |
| N    | 7.2 | 49.3 |
| cb   | 7.1 | 49.4 |
| 1/4  | 7.2 | 49.3 |
| ♀    | 6.9 | 49.6 |
| 1/4  | 7.0 | 49.5 |
| cb   | 6.5 | 50.0 |
| S    | 6.0 | 50.5 |
| 5+75 |     |      |
| S    | 4.9 | 51.6 |
| cb   | 5.3 | 51.2 |
| 1/4  | 5.7 | 50.8 |
| 1/4  | 6.5 | 50.0 |
| ♀    | 5.8 | 50.7 |
| 1/4  | 6.5 | 50.0 |
| cb   | 6.6 | 49.9 |
| N    | 6.8 | 49.7 |
| 6+00 |     |      |
| N    | 5.7 | 50.8 |
| cb   | 5.5 | 51.0 |
| 1/4  | 5.5 | 51.0 |

H.I. 456.47

|                                      |     |      |
|--------------------------------------|-----|------|
| ¢                                    | 4.8 | 51.7 |
| 1/4                                  | 5.6 | 50.9 |
| +2                                   | 4.6 | 51.9 |
| cb                                   | 4.4 | 52.1 |
| S                                    | 4.3 | 52.2 |
| 6+20 = F.L. Olive - 60' wide 10' cbs |     |      |
| S                                    | 3.6 | 52.9 |
| cb                                   | 3.8 | 52.7 |
| #5                                   | 3.8 | 52.7 |
| 1/4                                  | 4.9 | 51.6 |
| ¢                                    | 4.2 | 52.3 |
| 1/4                                  | 5.1 | 51.4 |
| cb                                   | 4.6 | 51.9 |
| N                                    | 4.9 | 51.6 |
| E cb Olive                           |     |      |
| N                                    | 4.9 | 51.6 |
| cb                                   | 4.7 | 51.8 |
| +3                                   | 5.2 | 51.3 |
| 1/4                                  | 4.8 | 51.7 |
| ¢                                    | 4.0 | 52.5 |
| 1/4                                  | 4.5 | 52.0 |
| +8                                   | 4.8 | 51.7 |
| cb                                   | 3.6 | 52.9 |
| S                                    | 3.4 | 53.1 |

H.I. 456.47

34

¢ Olive

|                  |     |       |
|------------------|-----|-------|
| S                | 3.2 | 453.3 |
| cb               | 3.3 | 453.2 |
| 1/4              | 3.5 | 453.0 |
| ¢                | 3.9 | 452.6 |
| 1/4              | 4.0 | 452.5 |
| cb               | 4.2 | 452.3 |
| N                | 4.6 | 451.9 |
| W cb olive       |     |       |
| N                | 4.8 | 451.7 |
| cb               | 4.7 | 451.8 |
| 1/4              | 4.2 | 452.3 |
| ¢                | 4.1 | 452.4 |
| 1/4              | 3.8 | 452.7 |
| cb               | 3.5 | 453.0 |
| S                | 3.4 | 453.1 |
| W.L. Olive 20+00 |     |       |
| S                | 3.5 | 453.0 |
| cb               | 3.7 | 452.8 |
| 1/4              | 3.9 | 452.6 |
| ¢                | 4.1 | 452.4 |
| 1/4              | 4.4 | 452.1 |
| cb               | 4.7 | 451.8 |
| N                | 4.9 | 451.6 |
| 0+25             |     |       |
| N                | 5.0 | 451.5 |

H.I. 456.47

|     |     |       |
|-----|-----|-------|
| cb  | 4.4 | 452.1 |
| 1/4 | 3.9 | 452.6 |
| ¢   | 3.7 | 452.8 |
| 1/4 | 3.8 | 452.7 |
| cb  | 3.7 | 452.8 |
| S   | 3.5 | 452.0 |

0+50

|     |     |       |
|-----|-----|-------|
| S   | 3.6 | 452.9 |
| cb  | 3.9 | 452.6 |
| 1/4 | 4.0 | 52.5  |
| ¢   | 4.2 | 52.3  |
| 1/4 | 4.4 | 52.1  |
| cb  | 4.6 | 51.9  |
| N   | 5.1 | 51.4  |

0+75

|     |     |      |
|-----|-----|------|
| N   | 4.7 | 51.8 |
| cb  | 4.4 | 52.1 |
| 1/4 | 4.4 | 52.1 |
| ¢   | 4.0 | 52.5 |
| 1/4 | 4.0 | 52.5 |
| cb  | 3.8 | 52.7 |
| S   | 3.6 | 52.9 |

1+00

|    |     |      |
|----|-----|------|
| S  | 3.1 | 53.4 |
| cb | 3.2 | 53.3 |

H.I. 456.47

35

|     |     |       |
|-----|-----|-------|
| 1/4 | 3.3 | 453.2 |
| ¢   | 3.2 | 52.3  |
| 1/4 | 3.3 | 52.2  |
| cb  | 3.7 | 52.8  |
| N   | 4.4 | 52.1  |

1+25

|      |     |             |
|------|-----|-------------|
| N    | 4.0 | 52.5        |
| cb   | 3.8 | 52.7        |
| 1/4  | 3.1 | 53.4        |
| ¢    | 2.9 | 53.6        |
| 1/4  | 2.8 | 53.7        |
| cb   | 2.8 | 53.7        |
| S    | 2.7 | 53.8        |
| T.P. |     | -3.3 453.34 |

+8.44

|     |     |      |
|-----|-----|------|
| S   | 4.7 | 51.8 |
| cb  | 4.4 | 52.1 |
| 1/4 | 4.4 | 52.1 |
| ¢   | 4.0 | 52.5 |
| 1/4 | 4.0 | 52.5 |
| cb  | 3.8 | 52.7 |
| S   | 3.6 | 52.9 |

H.I. 461.78

1+50

|     |     |      |
|-----|-----|------|
| S   | 4.7 | 51.8 |
| cb  | 4.4 | 52.1 |
| 1/4 | 4.4 | 52.1 |
| ¢   | 4.0 | 52.5 |
| 1/4 | 4.0 | 52.5 |
| cb  | 3.8 | 52.7 |
| S   | 3.6 | 52.9 |

1+75

|     |     |      |
|-----|-----|------|
| N   | 4.7 | 51.8 |
| cb  | 4.4 | 52.1 |
| 1/4 | 4.4 | 52.1 |
| ¢   | 4.0 | 52.5 |
| 1/4 | 4.0 | 52.5 |
| cb  | 3.8 | 52.7 |
| S   | 3.6 | 52.9 |

H.J. 461.78

|     |       |     |       |
|-----|-------|-----|-------|
| cb  | 461.8 | 7.1 | 454.7 |
| 1/4 |       | 6.9 | 54.9  |
| ♀   |       | 6.8 | 55.0  |
| 1/4 |       | 6.7 | 55.1  |
| cb  |       | 6.6 | 55.2  |
| S   |       | 6.3 | 55.5  |
|     | 2+00  |     |       |
| S   |       | 5.5 | 56.3  |
| cb  |       | 5.8 | 56.0  |
| 1/4 |       | 5.9 | 55.9  |
| ♀   |       | 6.0 | 55.8  |
| 1/4 |       | 6.2 | 55.6  |
| cb  |       | 6.5 | 55.3  |
| N   |       | 6.4 | 55.4  |
|     | 2+25  |     |       |
| N   |       | 5.1 | 56.1  |
| cb  |       | 5.6 | 56.2  |
| 1/4 |       | 5.4 | 56.4  |
| ♀   |       | 5.4 | 56.4  |
| 1/4 |       | 5.3 | 56.5  |
| cb  |       | 5.1 | 56.7  |
| S   |       | 5.0 | 56.8  |
|     | 2+50  |     |       |
| S   |       | 4.7 | 57.1  |
| cb  |       | 5.2 | 56.6  |

H.J. 461.78

36

|     |      |     |      |
|-----|------|-----|------|
| 1/4 |      | 5.3 | 56.5 |
| ♀   |      | 5.5 | 56.3 |
| 1/4 |      | 5.7 | 56.1 |
| cb  |      | 5.5 | 56.3 |
| N   |      | 5.5 | 56.3 |
|     | 2+75 |     |      |
| N   |      | 5.2 | 56.6 |
| cb  |      | 5.2 | 56.6 |
| 1/4 |      | 5.3 | 56.5 |
| ♀   |      | 5.5 | 56.3 |
| 1/4 |      | 4.9 | 56.9 |
| cb  |      | 4.2 | 57.6 |
| S   |      | 4.0 | 57.8 |
|     | 3+00 |     |      |
| S   |      | 3.8 | 58.0 |
| cb  |      | 4.0 | 57.8 |
| 1/4 |      | 4.4 | 57.4 |
| ♀   |      | 5.4 | 56.4 |
| 1/4 |      | 4.9 | 56.9 |
| cb  |      | 4.8 | 57.0 |
| N   |      | 4.9 | 56.9 |
|     | 3+25 |     |      |
| N   |      | 5.0 | 56.8 |
| cb  |      | 5.1 | 56.7 |
| 1/4 |      | 4.9 | 56.9 |

H.I. 461.78

|      |     |      |
|------|-----|------|
| ♀    | 4.9 | 56.9 |
| 1/4  | 4.2 | 57.6 |
| cb   | 3.8 | 58.0 |
| S    | 3.6 | 58.2 |
| 3450 |     |      |
| S    | 3.4 | 58.4 |
| cb   | 4.3 | 57.5 |
| 1/4  | 4.3 | 57.5 |
| ♀    | 4.8 | 57.0 |
| 1/4  | 4.7 | 57.1 |
| cb   | 4.7 | 57.1 |
| N    | 4.6 | 57.2 |
| 3475 |     |      |
| N    | 5.0 | 56.8 |
| cb   | 5.1 | 56.7 |
| 1/4  | 5.1 | 56.7 |
| ♀    | 5.0 | 56.8 |
| 1/4  | 4.2 | 57.6 |
| cb   | 4.1 | 57.7 |
| S    | 3.9 | 57.9 |
| 4400 |     |      |
| S    | 5.0 | 56.8 |
| cb   | 5.1 | 56.7 |
| 1/4  | 5.8 | 56.0 |
| ♀    | 6.2 | 55.6 |

H.I. 461.78

37

|      |     |      |
|------|-----|------|
| 1/4  | 6.3 | 55.5 |
| cb   | 6.1 | 55.7 |
| N    | 6.0 | 55.8 |
| 4475 |     |      |
| N    | 7.3 | 54.5 |
| cb   | 7.3 | 54.5 |
| 1/4  | 7.4 | 54.4 |
| ♀    | 7.0 | 54.8 |
| 1/4  | 6.9 | 54.9 |
| cb   | 6.5 | 55.3 |
| S    | 6.3 | 55.5 |
| 4450 |     |      |
| S    | 7.1 | 54.7 |
| cb   | 7.5 | 54.3 |
| 1/4  | 7.9 | 53.9 |
| ♀    | 8.2 | 53.6 |
| 1/4  | 8.3 | 53.5 |
| cb   | 8.4 | 53.4 |
| N    | 8.7 | 53.1 |
| 4475 |     |      |
| N    | 9.8 | 52.0 |
| cb   | 9.4 | 52.4 |
| 1/4  | 9.3 | 52.5 |
| ♀    | 9.0 | 52.8 |
| 1/4  | 8.7 | 52.3 |



H.J. 461.78

|     |      |       |
|-----|------|-------|
| cb  | 8.7  | 453.1 |
| S   | 8.4  | 453.4 |
|     | 5+00 |       |
| S   | 9.2  | 52.6  |
| cb  | 9.4  | 52.4  |
| 1/4 | 9.6  | 52.2  |
| ¢   | 9.7  | 52.1  |
| 1/4 | 9.8  | 52.0  |
| cb  | 10.0 | 51.8  |
| N   | 10.4 | 51.4  |
|     | 5+25 |       |
| N   | 10.8 | 51.0  |
| cb  | 10.5 | 51.3  |
| 1/4 | 10.4 | 51.4  |
| ¢   | 10.4 | 51.4  |
| 1/4 | 10.3 | 51.5  |
| cb  | 10.0 | 51.8  |
| S   | 9.6  | 52.2  |
|     | 5+50 |       |
| S   | 9.9  | 51.9  |
| cb  | 10.4 | 51.4  |
| 1/4 | 10.7 | 51.1  |
| ¢   | 11.0 | 50.6  |
| 1/4 | 11.1 | 50.7  |
| cb  | 11.2 | 50.6  |

H.J. 461.78

38

|     |  |                |
|-----|--|----------------|
| N   | 11.3                                       | 450.5          |
|     | 5+75                                       |                |
| N   | 11.6                                       | 50.2           |
| cb  | 11.4                                       | 50.7           |
| 1/4 | 11.2                                       | 50.6           |
| ¢   | 11.5                                       | 50.3           |
| 1/4 | 11.3                                       | 50.5           |
| cb  | 11.1                                       | 50.7           |
| S   | 10.7                                       | 51.1           |
|     | 6+10 = E.L. Alice                          |                |
| S   | 11.7                                       | 50.1           |
| cb  | 11.4                                       | 50.4           |
| 1/4 | 11.5                                       | 50.3           |
| ¢   | 11.5                                       | 50.3           |
| 1/4 | 11.7                                       | 50.1           |
| cb  | 11.8                                       | 50.0           |
| N   | 11.9                                       | 49.9           |
|     | B.M. S.W. Nails in Pole - El Cajon x Alice | - 6.20 455.58  |
|     |  | Correct 455.63 |
|     |  | Error 0.05     |

4-22-29 X-section Murroy Lake Blvd. (Lois St)  
 J.O. Bliss North of Vista St. Including Vista &  
 Robert Lois Intersection - 30' wide with 20' strip of  
 Panner paving in center.

E.P. Denotes  
 Edge Paving

H.I. 462.07

39

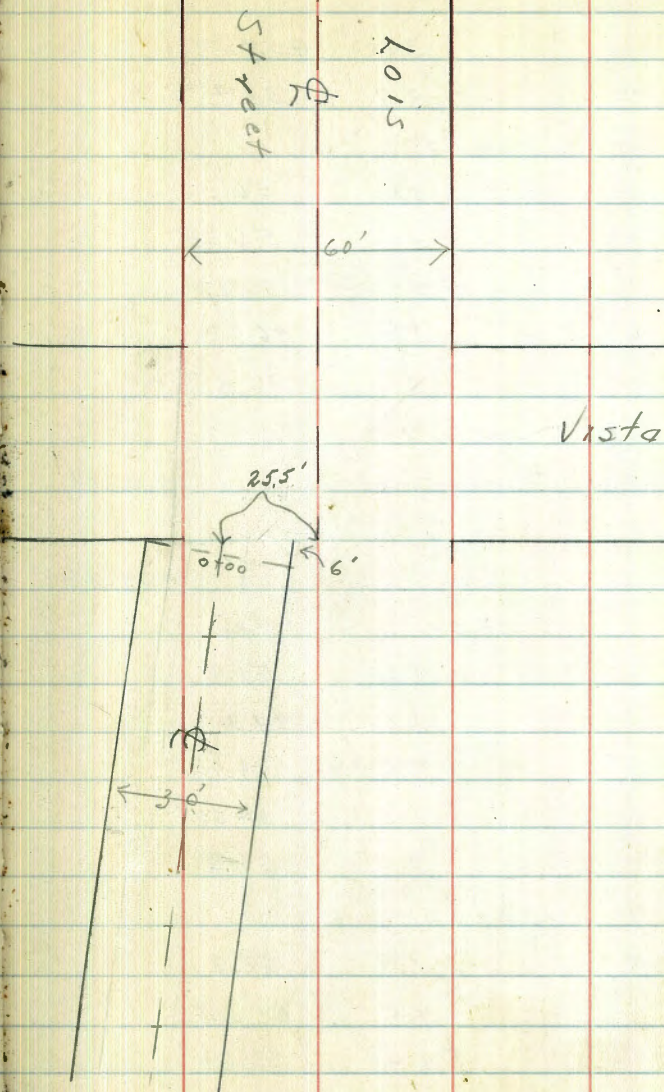
HI = 462.07

|   |        |                       |     |        |
|---|--------|-----------------------|-----|--------|
| B.M. S.W.B.P. Lois + Vista                        | 461.82 | cb                    | 132 | 460.75 |
| +0.25   |        | E                     | 140 | 460.67 |
| H.I. 462.07                                       |        | +1.8 = edge paving    | 145 | 460.62 |
| Intersection taken 60' wide as Lois Street South. |        |                       |     |        |
| of Vista  |        |                       |     |        |
| W   |        | Int 2.6 = edge paving | 199 | 460.08 |
| Top cb  | 462.07 | E                     | 187 | 60.20  |
| G   | 0.31   | cb                    | 182 | 60.25  |
| φ   | 0.81   | φ                     | 187 | 60.20  |
| G   | 0.35   | +13.5 = edge paving   | 197 | 60.10  |
| Top cb  | 0.78   | cb                    | 1.5 | 60.6   |
| E   | 0.33   | W                     | 0.7 | 61.4   |
|   |        |                       |     |        |
| 5' cb Vista                                       |        | W                     | 0.5 | 61.6   |
| E.L. Top cb                                       | 0.40   | cb                    | 1.3 | 60.8   |
| G   | 0.82   | +12 = edge paving     | 231 | 59.76  |
| cb  | 20.3   | φ                     | 224 | 59.83  |
| φ   | 0.87   | cb                    | 230 | 59.77  |
| cb  | 1.10   | E                     | 248 | 59.59  |
| W.L. Top cb                                       | 0.44   | +13.7 = edge paving   | 263 | 59.99  |
| G   | 0.88   |                       |     |        |
|   |        |                       |     |        |
| 5/4 Vista   |        | Int 38 = edge paving  | 265 | 59.92  |
| W   | 0.8    | E                     | 253 | 59.54  |
| +8 = edge paving                                  | 1.42   | cb                    | 244 | 59.63  |
| cb  | 1.41   | φ                     | 239 | 59.68  |
| φ   | 1.20   | +6.5 = edge paving    | 246 | 59.61  |

φ Vista + 9

1/4 Vista + 1

|                             |      |       |
|-----------------------------|------|-------|
| +16                         | 1.4  | 460.7 |
| +17                         | +1.3 | 63.4  |
| cb                          | +2.0 | 64.1  |
| W                           | +4.3 | 66.4  |
| Nob Vista                   |      |       |
| W                           | +3.5 | 65.6  |
| cb                          | +2.0 | 64.1  |
| +13                         | 22.4 | 59.7  |
| ¢                           | 2.8  | 59.3  |
| +1 = edge paving            | 30.4 | 59.03 |
| cb                          | 30.7 | 59.00 |
| E                           | 32.1 | 58.86 |
| +52 = edge paving           | 33.3 | 58.74 |
| N.L. Vista                  |      |       |
| 0+6 = edge paving           | 37.7 | 58.10 |
| E                           | 38.3 | 58.24 |
| cb                          | 37.3 | 58.34 |
| +89 = edge paving           | 37.9 | 58.28 |
| ¢                           | 2.9  | 59.2  |
| cb                          | +0.8 | 62.9  |
| W                           | +2.6 | 64.7  |
| 0+00 = See sketch next page |      |       |
| W                           | 4.3  | 57.8  |
| c.p.                        | 4.1  | 57.96 |
| ¢                           | 3.92 | 58.15 |



H.I. 462.07

e.p. 3.98 458.09

E 3.7 58.4

0+25

E 5.8 56.3

e.p. 5.74 56.33

E 5.70 56.37

e.p. 5.84 56.23

W 5.8 56.3

0+27

0.3' E of E.L. = Flowline 12" Corrugated Culvert 6.46 455.61

0+23

2' W of W.L. = Flowline 12" Culvert 8.04 454.03

0+50

W 7.63 54.4 = 7.1

e.p. 7.72 54.35

E 7.59 54.48

e.p. 7.57 54.50

E 7.8 54.3

0+75

E 9.9 52.2

e.p. 9.42 52.65

E 9.43 52.64

e.p. 9.54 52.53

W 9.6 52.5

H.I. 462.07

1+00

W 11.4 450.7

e.p. 11.41 450.66

E 11.32 450.75

e.p. 11.24 450.83

E 11.7 450.4

(1+25) 1+00

E 13.2 448.9

e.p. 13.08 48.99

E 13.13 48.94

e.p. 13.18 48.89

W 13.3 48.8

T.P. -13.08 448.99

+0.08

H.I. 449.07

(1+50) 1+25

W 449.07 1.9 447.2

e.p. 2.27 47.00

E 1.88 47.19

e.p. 1.87 47.20

E 2.1 47.0

(1+75) 1+50

E 4.1 445.0

e.p. 3.71 445.36

E 3.76 445.31

e.p. 3.95 445.12

41

?

?

H.I. 449.07

W 33 445.8

(2+00) 1+75

W 5.6 442.5

e.p. 5.91 443.16

♀ 5.67 443.40

e.p. 5.51 443.56

E 5.4 443.7

2+30 = B.C. 4 130' R: 500' end - 4 Parts

E 8.2 40.9

e.p. 7.72 41.35

♀ 7.83 41.24

e.p. 8.29 40.78

W 8.1 41.0

Section between Parts 1+2

W 10.1 439.0

e.p. 10.46 386.1

♀ 10.01 39.06

e.p. 9.77 39.30

E 10.0 39.1

Section between Parts 2+3

E 12.1 37.0

e.p. 11.85 37.22

♀ 12.00 37.1

e.p. 12.59 36.48

W 12.4 36.7

H.I. 449.07

42

T.P. -13.05 436.02

+0.00

H.I. 436.02

Section between Parts 3+4

W 436.02 0.9 435.1

e.p. 1.60 34.42

♀ 1.25 34.77

e.p. 0.82 35.20

E 1.0 35.0

E.C. = 0+00

E 3.0 33.0

e.p. 2.99 33.03

♀ 3.14 32.88

e.p. 3.56 32.46

W 2.9 33.1

0+25

W 5.1 30.9

e.p. 5.22 30.80

♀ 4.97 31.05

e.p. 4.89 31.13

E 4.9 31.1

0+50

E 2.3 28.7

e.p. 6.82 29.20

♀ 6.73 29.29

H.I. 436.02

|      |      |        |
|------|------|--------|
| e.p. | 2.04 | 428.98 |
| W    | 67   | 29.3   |

0775

|   |     |      |
|---|-----|------|
| W | 8.4 | 27.6 |
|---|-----|------|

|      |      |       |
|------|------|-------|
| e.p. | 8.85 | 27.17 |
|------|------|-------|

|        |      |       |
|--------|------|-------|
| 436.02 | 8.70 | 27.32 |
|--------|------|-------|

|      |      |       |
|------|------|-------|
| e.p. | 8.73 | 27.29 |
|------|------|-------|

|   |     |      |
|---|-----|------|
| E | 9.1 | 26.9 |
|---|-----|------|

1400

|   |      |      |
|---|------|------|
| E | 10.8 | 25.2 |
|---|------|------|

|      |       |       |
|------|-------|-------|
| e.p. | 10.62 | 25.40 |
|------|-------|-------|

|   |       |       |
|---|-------|-------|
| ♀ | 10.55 | 25.97 |
|---|-------|-------|

|      |       |       |
|------|-------|-------|
| e.p. | 10.73 | 25.29 |
|------|-------|-------|

|   |      |      |
|---|------|------|
| W | 10.5 | 25.5 |
|---|------|------|

1425

|   |      |       |
|---|------|-------|
| W | 12.3 | 423.7 |
|---|------|-------|

|      |       |        |
|------|-------|--------|
| e.p. | 12.63 | 423.39 |
|------|-------|--------|

|   |       |        |
|---|-------|--------|
| ♀ | 12.47 | 423.55 |
|---|-------|--------|

|      |       |        |
|------|-------|--------|
| e.p. | 12.53 | 423.49 |
|------|-------|--------|

|   |      |       |
|---|------|-------|
| E | 12.7 | 423.3 |
|---|------|-------|

|      |        |        |
|------|--------|--------|
| T.P. | -12.76 | 423.32 |
|------|--------|--------|

4001

H.I. 423.33

423.33

1450

|   |     |       |
|---|-----|-------|
| E | 1.9 | 421.4 |
|---|-----|-------|

H.I. 423.33

|      |      |        |
|------|------|--------|
| e.p. | 1.75 | 421.58 |
|------|------|--------|

|   |      |       |
|---|------|-------|
| ♀ | 1.66 | 21.67 |
|---|------|-------|

|      |      |       |
|------|------|-------|
| e.p. | 1.82 | 21.51 |
|------|------|-------|

|   |     |       |
|---|-----|-------|
| W | 1.6 | 21.73 |
|---|-----|-------|

1475

|   |     |      |
|---|-----|------|
| W | 3.6 | 19.7 |
|---|-----|------|

|      |      |       |
|------|------|-------|
| e.p. | 3.69 | 19.64 |
|------|------|-------|

|   |      |       |
|---|------|-------|
| ♀ | 3.62 | 19.71 |
|---|------|-------|

|      |      |       |
|------|------|-------|
| e.p. | 3.74 | 19.59 |
|------|------|-------|

|   |     |      |
|---|-----|------|
| E | 3.8 | 19.5 |
|---|-----|------|

1466

|  |      |       |
|--|------|-------|
| 0.5" in St. from E.L. - Flowline 12" Culvert | 5.10 | 18.23 |
|--|------|-------|

|  |          |         |
|--|----------|---------|
| 2401.78 = S.C. R <sub>3</sub> 400' ang | Δ 25°00' | 6 Parts |
|--|----------|---------|

|   |     |       |
|---|-----|-------|
| E | 6.4 | 416.9 |
|---|-----|-------|

|      |      |       |
|------|------|-------|
| e.p. | 6.08 | 17.25 |
|------|------|-------|

|   |      |       |
|---|------|-------|
| ♀ | 5.86 | 17.47 |
|---|------|-------|

|      |      |       |
|------|------|-------|
| e.p. | 5.69 | 17.64 |
|------|------|-------|

|   |     |      |
|---|-----|------|
| W | 5.6 | 17.7 |
|---|-----|------|

B.C. 43

|                                   |      |       |
|-----------------------------------|------|-------|
| 8' W of W.L. Flowline 12" Culvert | 7.79 | 15.54 |
|-----------------------------------|------|-------|

Section between Parts 142

|   |     |       |
|---|-----|-------|
| W | 7.6 | 415.7 |
|---|-----|-------|

|      |      |        |
|------|------|--------|
| e.p. | 8.05 | 415.28 |
|------|------|--------|

|   |      |        |
|---|------|--------|
| ♀ | 8.10 | 815.23 |
|---|------|--------|

H.I. 423.33

e.p. 8.49 414.84

E 8.7 414.6

Section between Parts 2+3

E 423.33 11.1 412.2

e.p. 10.87 412.46

f 10.55 412.78

e.p. 10.36 412.97

W 10.1 413.2

Section between Parts 3+4

W 12.3 411.0

e.p. 12.64 410.69

f 12.77 410.61

e.p. 13.08 410.25

E 13.7 409.6

T.P. -13.08 410.25

+0.16 423.17

H.I. 410.41

Section between Parts 4+5

E 410.41 2.7 407.71

e.p. 2.48 407.93

f 2.17 408.24

e.p. 2.03 408.38

W 1.6 408.8

Section between Parts 5+6

W 4.3 406.1

H.I. 410.41

44

e.p. 4.45 405.96

f 4.52 405.89

e.p. 4.82 405.59

E 5.3 405.1

E.C. = 0+00

E 7.4 403.0

e.p. 7.03 403.38

f 6.83 403.58

e.p. 6.86 403.55

W 6.6 403.8

0+25

W 8.7 401.7

e.p. 8.84 401.57

f 8.76 401.65

e.p. 8.89 401.52

E 9.2 401.2

0+50

E 11.1 399.3

e.p. 10.85 399.56

f 10.69 99.72

e.p. 10.84 99.57

W 10.8 99.6

0+75

W 12.4 98.0

H.I. 410.41

|      |        |        |
|------|--------|--------|
| e.p. | 12.69  | 397.72 |
| ♀    | 12.59  | 397.82 |
| e.p. | 12.80  | 397.61 |
| E    | 13.1   | 397.3  |
| T.P. | -13.01 | 397.41 |

0.36

H.I. 397.76

397.76

1400

|      |      |        |
|------|------|--------|
| E    | 24   | 395.4  |
| e.p. | 2.09 | 395.67 |
| ♀    | 1.90 | 395.86 |
| e.p. | 1.97 | 395.79 |
| W    | 2.1  | 395.7  |

1425

|      |      |        |
|------|------|--------|
| W    | 4.1  | 393.7  |
| e.p. | 4.01 | 393.75 |
| ♀    | 3.93 | 393.83 |
| e.p. | 4.10 | 393.66 |
| E    | 4.6  | 393.2  |

1450

|      |      |        |
|------|------|--------|
| E    | 6.5  | 391.3  |
| e.p. | 6.05 | 391.71 |
| ♀    | 5.92 | 391.84 |
| e.p. | 6.03 | 391.73 |
| W    | 6.0  | 391.8  |

H.I. 397.76

45

1485.6 = Angle Point

|      |        |        |
|------|--------|--------|
| W    | 9.2    | 388.6  |
| e.p. | 8.80   | 388.96 |
| ♀    | 8.68   | 389.08 |
| e.p. | 8.82   | 388.94 |
| E    | 9.3    | 388.5  |
| T.P. | -12.78 | 384.78 |

+263 387.61

B.M. - Nails in Eucalyptus tree - North side

Alvarado Road - 200 West of Luis -5.86 381.75

Elev. of B.M. 381.53

+5.74 387.49

T.P. -0.65 386.84

+12.77 399.61

T.P. -0.21 399.40

+12.65 412.05

T.P. -0.14 411.91

+12.63 424.56

T.P. -0.14 424.42

+12.79 437.21

T.P. -0.27 436.94

+12.82 449.76

T.P. 0.27 449.39

+12.83 462.42

B.M. S.W. B.P. Luis + Vista -0.58 461.84

Correct 461.82

Error 0.02



4-23-29 X-section: Harbison Ave  
 C. Bliss  
 Drebert El Cajon to South Boundary to Mesa  
 Rainier Colony - 50' wide with 20' strip

H.I. 479.07

Paving in center - 10' cbs

e.p. denotes edge paving

B.M. North Nails - El Cajon + Harbison 477.49

+1.58

H.I. 479.07

S.L. El Cajon = +10 - Pored

|                             |        |      |        |
|-----------------------------|--------|------|--------|
| E                           | 479.07 | 30   | 476.1  |
| Top                         |        | 3.14 | 475.93 |
| G                           |        | 3.16 | 475.31 |
| 4                           |        | 3.39 | 475.68 |
| ♀                           |        | 3.39 | 475.68 |
| 114                         |        | 3.51 | 475.56 |
| G                           |        | 3.80 | 475.27 |
| Top                         |        | 3.13 | 475.94 |
| W                           |        | 2.7  | 476.4  |
|                             | +2.5   |      |        |
| W                           |        | 3.4  | 475.7  |
| 49                          |        | 3.7  | 475.4  |
| cb                          |        | 4.3  | 474.8  |
| 42                          |        | 4.9  | 474.2  |
| e.p.                        |        | 4.85 | 474.22 |
| ♀                           |        | 4.51 | 74.56  |
| e.p.                        |        | 4.59 | 74.48  |
| cb - bottom concrete gutter |        | 5.30 | 73.77  |
| +5                          |        | 3.4  | 75.7   |

Plotted - 5-13-29 - G.M.J.

Sketch Page 47

|                             |      |        |
|-----------------------------|------|--------|
| E                           | 2.7  | 476.4  |
|                             | +50  |        |
| E                           | 6.0  | 478.07 |
| cb - bottom concrete gutter | 6.47 | 472.60 |
| e.p.                        | 5.74 | 473.33 |
| ♀                           | 5.23 | 473.34 |
| e.p.                        | 6.10 | 472.97 |
| cb                          | 6.2  | 472.87 |
| 45                          | 3.6  | 475.5  |
| W                           | 3.5  | 475.6  |
|                             | +7.5 |        |
| W                           | 4.9  | 474.2  |
| 45                          | 5.1  | 474.0  |
| cb                          | 2.3  | 471.8  |
| e.p.                        | 7.26 | 471.81 |
| ♀                           | 6.9  | 472.15 |
| e.p.                        | 6.99 | 472.08 |
| cb - bottom concrete gutter | 7.67 | 471.40 |
| E                           | 6.9  | 472.2  |
|                             | +100 |        |
| E                           | 8.2  | 469.9  |
| 45                          | 8.3  | 470.8  |
| cb in gutter                | 9.08 | 469.99 |
| e.p.                        | 8.27 | 470.80 |
| ♀                           | 8.15 | 470.12 |

H.I. 47907

|      |     |        |
|------|-----|--------|
| e.p. | 838 | 470.69 |
| cb   | 85  | 470.6  |
| +5   | 6.3 | 472.8  |
| w    | 6.2 | 472.9  |

1425

|                |       |        |
|----------------|-------|--------|
| w              | 84    | 470.7  |
| +5             | 82    | 470.5  |
| cb             | 10.0  | 469.1  |
| e.p.           | 9.53  | 469.54 |
| £              | 9.42  | 469.65 |
| e.p.           | 9.57  | 469.50 |
| cb - in gutter | 10.33 | 468.74 |
| +5             | 9.5   | 469.6  |
| E              | 10.4  | 468.7  |

1450

|                    |       |        |
|--------------------|-------|--------|
| E                  | 13.4  | 465.7  |
| +3                 | 12.0  | 467.1  |
| +7 - bottom gutter | 12.29 | 466.78 |
| cb                 | 11.1  | 468.0  |
| e.p.               | 10.75 | 468.32 |
| £                  | 10.60 | 468.47 |
| e.p.               | 10.70 | 468.37 |
| cb                 | 10.9  | 468.17 |
| w                  | 11.2  | 467.7  |

H.I. 47907

47

1460

|                                       |        |             |
|---------------------------------------|--------|-------------|
| E prop. line - end of concrete gutter | 14.14  |             |
| T.P.                                  | -10.62 | 468.45      |
|                                       | +0.75  | H.I. 469.20 |
|                                       | 469.20 | 1475        |
| w                                     | 4.6    | 464.6       |
| cb                                    | 1.8    | 467.4       |
| e.p.                                  | 1.82   | 467.38      |
| £                                     | 1.65   | 467.55      |
| e.p.                                  | 1.92   | 467.28      |
| cb                                    | 2.2    | 467.0       |
| E                                     | 5.3    | 463.9       |

E1

Cajon

S.L.

S.L.

Paving  
Hardside

Concrete Gutter

N

H.I. 469.70

2400

|    |      |        |
|----|------|--------|
| E  | 6.0  | 463.2  |
| cb | 3.3  | 462.9  |
| ep | 2.91 | 466.29 |
| ♀  | 2.76 | 466.44 |
| ep | 2.88 | 466.32 |
| cb | 3.4  | 465.8  |
| W  | 6.1  | 463.1  |

2425

|    |      |        |
|----|------|--------|
| w  | 7.2  | 462.0  |
| cb | 3.9  | 465.3  |
| ep | 3.88 | 465.32 |
| ♀  | 3.77 | 465.43 |
| ep | 4.02 | 465.18 |
| cb | 4.2  | 465.0  |
| E  | 5.6  | 463.6  |

2450

|    |      |        |
|----|------|--------|
| E  | 6.2  | 463.0  |
| cb | 5.6  | 463.6  |
| ep | 5.20 | 464.0  |
| ♀  | 4.87 | 464.33 |
| ep | 4.99 | 464.21 |
| cb | 5.3  | 463.9  |
| W  | 8.5  | 460.7  |

2491.96 = B.C. <sup>481.03</sup> R. 150' ♀ 3 parts

|   |     |       |
|---|-----|-------|
| W | 7.2 | 462.0 |
|---|-----|-------|

H.I. 469.70

48

|    |      |        |
|----|------|--------|
| cb | 7.1  | 462.1  |
| ep | 6.86 | 462.34 |
| ♀  | 6.69 | 462.51 |
| ep | 7.02 | 462.18 |
| cb | 7.5  | 461.7  |
| E  | 7.7  | 461.5  |

Section between Parts 1 &amp; 2

|    |      |        |
|----|------|--------|
| E  | 8.7  | 460.5  |
| cb | 8.3  | 460.9  |
| ep | 7.99 | 461.21 |
| ♀  | 7.91 | 461.29 |
| ep | 7.81 | 461.39 |
| cb | 8.0  | 461.2  |
| W  | 7.4  | 461.8  |

Section between Parts 2 &amp; 3

|    |      |        |
|----|------|--------|
| W  | 7.9  | 461.3  |
| cb | 8.8  | 460.4  |
| ep | 8.51 | 460.69 |
| ♀  | 8.44 | 460.76 |
| ep | 8.58 | 460.62 |
| cb | 8.8  | 460.4  |
| E  | 8.8  | 460.4  |

E.C. = 0+00

|    |     |       |
|----|-----|-------|
| E  | 9.5 | 459.7 |
| cb | 9.3 | 459.9 |

H.I. 469.20

|      |      |        |
|------|------|--------|
| e.p. | 9.10 | 460.10 |
| ♀    | 8.88 | 460.32 |
| e.p. | 9.12 | 460.08 |
| cb   | 9.2  | 460.0  |
| w    | 8.5  | 460.7  |

0+25

|      |      |        |
|------|------|--------|
| w    | 9.5  | 459.7  |
| cb   | 10.0 | 459.2  |
| e.p. | 9.74 | 459.6  |
| ♀    | 9.52 | 459.68 |
| e.p. | 9.82 | 459.38 |
| cb   | 10.1 | 459.1  |
| E    | 10.1 | 459.1  |

0+50

|      |       |        |
|------|-------|--------|
| E    | 10.3  | 458.9  |
| cb   | 10.5  | 458.7  |
| e.p. | 10.25 | 458.95 |
| ♀    | 10.06 | 459.14 |
| e.p. | 10.21 | 458.99 |
| cb   | 10.5  | 458.7  |
| w    | 9.5   | 459.7  |

0+75. IV = B.C. <sup>4 19011</sup> R. 300.00 ♀

|      |       |        |
|------|-------|--------|
| w    | 9.7   | 459.5  |
| cb   | 10.8  | 458.4  |
| e.p. | 10.71 | 458.49 |

H.I. 469.20

49

|      |       |        |
|------|-------|--------|
| ♀    | 10.60 | 458.60 |
| e.p. | 10.74 | 458.46 |
| cb   | 11.7  | 457.5  |
| E    | 13.2  | 456.0  |

Section between parts 14 &amp; 15

|      |         |        |
|------|---------|--------|
| E    | 12.4    | 456.8  |
| cb   | 12.0    | 457.2  |
| e.p. | 11.44   | 457.76 |
| ♀    | 11.33   | 457.87 |
| e.p. | 11.43   | 457.77 |
| cb   | 11.3    | 457.9  |
| w    | 10.2    | 459.0  |
| T.P. | - 11.16 | 458.04 |

+124

H.I. 459.28

Section between parts 24 &amp; 25

|      |        |      |        |
|------|--------|------|--------|
| N    | 459.28 | 0.0  | 459.3  |
| cb   |        | 1.9  | 457.4  |
| e.p. |        | 2.19 | 457.09 |
| ♀    |        | 1.95 | 457.33 |
| e.p. |        | 1.23 | 458.05 |
| cb   |        | 2.4  | 456.9  |
| E    |        | 2.4  | 456.9  |

E.C. = 0+00

|   |     |       |
|---|-----|-------|
| E | 2.7 | 457.2 |
|---|-----|-------|

H.I. 459.28

|     |      |        |
|-----|------|--------|
| cb  | 2.7  | 456.6  |
| e.p | 2.62 | 456.66 |
| ‡   | 2.63 | 456.65 |
| e.p | 2.86 | 456.92 |
| cb  | 2.7  | 456.6  |
| w   | 2.7  | 456.6  |
|     | 0+25 |        |
| w   | 2.8  | 456.5  |
| cb  | 3.1  | 456.2  |
| e.p | 3.40 | 455.9  |
| ‡   | 3.16 | 456.12 |
| e.p | 3.16 | 456.12 |
| cb  | 3.8  | 455.5  |
| E   | 4.7  | 454.6  |
|     | 0+50 |        |
| E   | 4.5  | 454.8  |
| cb  | 4.3  | 455.0  |
| e.p | 3.71 | 455.57 |
| ‡   | 3.75 | 455.53 |
| e.p | 3.95 | 455.33 |
| cb  | 4.7  | 455.1  |
| w   | 2.6  | 456.7  |
|     | 0+75 |        |
| w   | 2.1  | 457.2  |
| cb  | 4.4  | 454.9  |

H.I. 459.28

50

|     |  |                           |        |
|-----|--|---------------------------|--------|
| ep  | 4.44   | 454.84                    |        |
| ‡   | 4.24   | 455.04                    |        |
| e.p | 4.22   | 455.06                    |        |
| cb  | 4.6  | 454.7                     |        |
| E   | 4.7  | 455.1                     |        |
|     | 1+10.5 = BC = <sup>49016</sup> <sub>212004</sub> | 6 Parts                   |        |
| E   | 457.28   | 6.5                       | 452.8  |
| cb  |  | 5.4                       | 453.7  |
| e.p |  | 4.98                      | 454.30 |
| ‡   |  | 4.91                      | 454.37 |
| e.p |  | 5.25                      | 454.03 |
| cb  |  | 5.3                       | 454.0  |
| w   |  | 3.6                       | 455.7  |
|     |  | Section between Parts 1&2 |        |
| w   |  | 4.4                       | 454.9  |
| cb  |  | 6.4                       | 452.9  |
| e.p |  | 5.95                      | 453.33 |
| ‡   |  | 5.66                      | 453.62 |
| e.p |  | 5.71                      | 453.57 |
| cb  |  | 6.0                       | 453.3  |
| E   |  | 6.3                       | 453.0  |
|     |  | Section between Parts 2+3 |        |
| E   |  | 6.9                       | 452.4  |
| cb  |  | 6.7                       | 452.6  |
| e.p |  | 6.35                      | 452.93 |

H.I. 459.28

|      |        |      |        |
|------|--------|------|--------|
| ♀    | 459.20 | 6.35 | 452.93 |
| e.p. |        | 6.51 | 452.77 |
| cb   |        | 6.7  | 452.6  |
| W    |        | 51   | 454.2  |

Section between Parts 3+4

|      |                  |        |
|------|------------------|--------|
| W    | 5.4              | 453.9  |
| cb   | 7.3              | 452.0  |
| e.p. | 7.8              | 452.10 |
| ♀    | 7.0 <sup>1</sup> | 452.24 |
| e.p. | 7.10             | 452.18 |
| cb   | 7.7              | 451.6  |
| E    | 8.1              | 451.2  |

Section between Parts 4+5

|      |      |        |
|------|------|--------|
| E    | 8.0  | 451.3  |
| cb   | 8.0  | 451.3  |
| e.p. | 7.78 | 451.50 |
| ♀    | 7.73 | 451.55 |
| e.p. | 7.85 | 451.43 |
| cb   | 7.8  | 451.5  |
| W    | 6.8  | 452.5  |

Section between Parts 5+6

|              |      |        |
|--------------|------|--------|
| W            | 6.7  | 452.6  |
| <del>♀</del> | 7.8  | 451.5  |
| cb           | 8.4  | 450.9  |
| e.p.         | 8.52 | 450.76 |

H.I. 459.28

51

|      |      |        |
|------|------|--------|
| ♀    | 8.35 | 450.93 |
| e.p. | 8.47 | 450.81 |
| cb   | 9.0  | 450.3  |
| E    | 9.2  | 450.1  |

E.C. = 0+00

|      |      |              |
|------|------|--------------|
| E    | 10.0 | 449.3        |
| cb   | 9.4  | 449.9        |
| e.p. | 9.21 | 450.07       |
| ♀    | 9.05 | 450.23       |
| e.p. | 9.25 | 450.03       |
| cb   | 9.0  | 450.3        |
| W    | 7.9  | 451.7        |
| T.P  |      | -9.15 450.13 |

+2.79

452.92

0+25

|      |        |      |        |
|------|--------|------|--------|
| W    | 452.92 | 2.0  | 450.9  |
| cb   |        | 3.4  | 449.5  |
| e.p. |        | 3.37 | 449.55 |
| ♀    |        | 3.28 | 449.64 |
| e.p. |        | 3.22 | 449.50 |
| cb   |        | 3.8  | 449.1  |
| E    |        | 4.5  | 448.4  |

0+50

|   |     |       |
|---|-----|-------|
| E | 4.8 | 448.1 |
|---|-----|-------|

|      |      |        |
|------|------|--------|
| cb   | 43   | 448.6  |
| e.p. | 3.77 | 448.95 |
| ¢    | 3.81 | 449.11 |
| e.p. | 3.91 | 449.01 |
| cb   | 3.8  | 449.1  |
| W    | 2.4  | 450.5  |

0 + 9210 = 800 <sup>418° 51'</sup> R 225¢ - 2 Parts

|      |      |        |
|------|------|--------|
| W    | 3.2  | 449.7  |
| cb   | 5.0  | 447.9  |
| e.p. | 4.75 | 448.17 |
| ¢    | 4.62 | 448.30 |
| e.p. | 4.82 | 448.10 |
| cb   | 5.1  | 447.8  |
| E    | 5.1  | 447.8  |

Section between Parts 14 ✓

|      |      |        |
|------|------|--------|
| E    | 5.3  | 447.6  |
| cb   | 5.7  | 447.2  |
| e.p. | 5.62 | 447.30 |
| ¢    | 5.45 | 447.47 |
| e.p. | 5.57 | 447.35 |
| cb   | 5.6  | 447.3  |
| W    | 3.7  | 449.2  |

ES. = South Boundary La Mesa Colony

|    |     |       |
|----|-----|-------|
| W  | 5.9 | 447.0 |
| cb | 6.6 | 446.3 |

|      |      |        |
|------|------|--------|
| e.p. | 6.42 | 446.50 |
| ¢    | 6.18 | 446.74 |
| e.p. | 6.19 | 446.73 |
| cb   | 6.7  | 446.2  |
| E    | 6.0  | 446.9  |

County B.M. Nail in Eucalyptus Tree N.W. Corner - 548 447.44

T.P. -0.53 452.39

+ 8.02 460.41

T.P. -0.27 460.14

+ 12.63 472.77

- 1.85 470.92

+ 9.46 480.38

B.M. North Nail in Palo El Cajon - Horseshoe - 289 477.51

Correct 477.49

Error 0.02

4-23-29  
J.C. Bliss  
Drebert  
Rauver

X-section of extension of  
Alice North of Vista - 40' wide  
5' obs - 7/2/45

B.M. S.W. nails in Pole - Vista Alice 447.20  
+565

H.I. 452.85

dir Vista = 0+00

(452.9)

|      |     |       |
|------|-----|-------|
| W    | 7.4 | +45.5 |
| cb   | 7.5 | 45.4  |
| ♀    | 7.3 | 45.6  |
| cb   | 7.0 | 45.9  |
| F    | 6.5 | 46.4  |
| 0+25 |     |       |
| F    | 6.0 | 46.9  |
| cb   | 6.8 | 46.1  |
| ♀    | 7.2 | 45.7  |
| cb   | 7.5 | 45.4  |
| W    | 7.7 | 45.2  |
| 0+50 |     |       |
| W    | 7.8 | 45.1  |
| cb   | 7.5 | 45.4  |
| ♀    | 6.9 | 46.0  |
| cb   | 6.7 | 46.2  |
| F    | 6.0 | 46.9  |
| 0+75 |     |       |
| E    | 5.3 | 47.6  |
| cb   | 6.2 | 46.7  |
| F    | 6.4 | 46.5  |

Plotted 5-13-29

H.I. 452.85

53

|      |     |       |
|------|-----|-------|
| cb   | 7.2 | 445.7 |
| W    | 7.5 | 45.4  |
| 1200 |     |       |
| W    | 7.2 | 45.7  |
| cb   | 6.8 | 46.1  |
| ♀    | 5.9 | 47.0  |
| cb   | 6.2 | 46.7  |
| E    | 5.4 | 47.5  |
| 1+25 |     |       |
| E    | 5.3 | 47.6  |
| cb   | 5.9 | 47.0  |
| ♀    | 5.5 | 47.4  |
| cb   | 6.2 | 46.7  |
| W    | 6.4 | 46.5  |
| 1+50 |     |       |
| W    | 6.0 | 46.9  |
| cb   | 5.7 | 47.2  |
| ♀    | 5.3 | 47.6  |
| cb   | 5.6 | 47.3  |
| E    | 4.8 | 48.1  |
| 1+75 |     |       |
| E    | 4.5 | 48.4  |
| cb   | 5.2 | 47.7  |
| ♀    | 4.9 | 48.0  |
| cb   | 5.2 | 47.7  |



H.I. 452.85

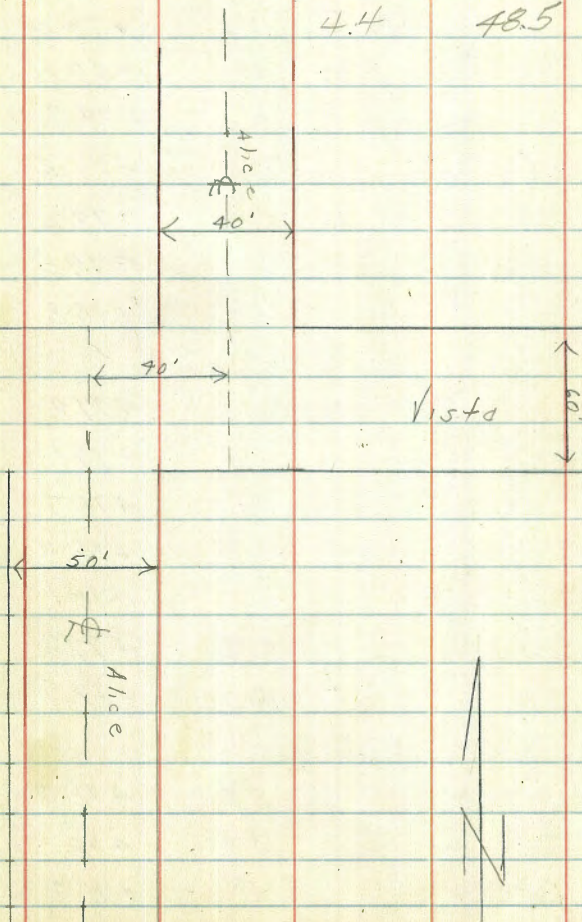
|    |      |       |
|----|------|-------|
| W  | 53   | 447.6 |
|    | 2+00 |       |
| W  | 52   | 47.7  |
| cb | 53   | 47.6  |
| ⊕  | 4.9  | 48.0  |
| cb | 4.9  | 48.0  |
| E  | 4.4  | 48.5  |
|    | 2+25 |       |
| E  | 4.3  | 48.6  |
| cb | 4.8  | 48.1  |
| ⊕  | 4.6  | 48.3  |
| cb | 4.8  | 48.1  |
| W  | 50   | 47.9  |
|    | 2+50 |       |
| W  | 47   | 48.2  |
| cb | 4.5  | 48.4  |
| ⊕  | 4.3  | 48.6  |
| cb | 4.7  | 48.2  |
| E  | 4.4  | 48.5  |
|    | 2+75 |       |
| E  | 4.4  | 48.5  |
| cb | 4.5  | 48.4  |
| ⊕  | 4.7  | 48.7  |
| cb | 4.5  | 48.4  |
| W  | 4.6  | 48.3  |

H.I. 452.85

54

3+00

|    |     |       |
|----|-----|-------|
| W  | 4.6 | 448.3 |
| cb | 4.6 | 48.3  |
| ⊕  | 4.4 | 48.5  |
| cb | 4.6 | 48.3  |
| E  | 4.4 | 48.5  |



4-24-29 X-section - Ramona Street - Isabella.  
 J.C. Bliss  
 Drebert  
 Pauner  
 to Alice - 60' wide - 10' cbs 10' 1/4s

H.I. 481.53

55

B.M. S.W.B.P. El Cajon & Isabella 480.17  
 + 1.36

cb 2.6 478.9  
 N 2.6 478.9

H.I. 481.53

w cb Isabella

E.L. Isabella - 60' wide 10' cbs 10' 1/4s

481.5 2.5 479.0  
 S 2.5 478.8  
 cb 2.7 479.0  
 1/4 2.3 479.2  
 E 2.3 479.2  
 1/4 2.0 479.5  
 cb 1.7 479.8  
 N

N 4.2 477.8  
 cb 3.9 477.6  
 1/4 3.8 477.7  
 E 3.9 477.6  
 1/4 3.8 477.7  
 cb 4.1 477.4  
 S 4.4 477.1

w. Isabella + 100

E cb Isabella

N 2.5 479.0  
 cb 2.4 479.1  
 1/4 2.8 478.7  
 E 3.2 478.3  
 1/4 3.2 478.1  
 cb 3.7 477.8  
 S 4.0 477.5

S 4.7 476.8  
 cb 4.6 476.9  
 1/4 4.5 477.0  
 E 4.5 477.0  
 1/4 4.4 477.1  
 cb 4.7 476.8  
 N 5.0 476.5

+ 2.5

E Isabella

S 3.5 478.0  
 cb 3.3 478.2  
 1/4 3.1 478.4  
 E 2.9 478.6  
 1/4 2.7 478.8

N 6.3 475.2  
 cb 6.1 475.4  
 1/4 6.0 475.5  
 E 5.9 475.6  
 1/4 6.0 475.5  
 cb 6.4 475.1

Plotted - 5-7-29 - G.M.J.  
 Rechecked - 10/27/41

H.I. 481.53

|      |     |       |     |        |
|------|-----|-------|-----|--------|
| S    | 57. | 4758  | 1/4 |        |
| T.P. |     | -6.59 | cb  | 474.94 |

+0.56

H.I. 475.50

0+50

|     |       |     |       |
|-----|-------|-----|-------|
| S   | 475.5 | 1.5 | 474.0 |
| cb  |       | 1.7 | 473.8 |
| 1/4 |       | 1.6 | 473.9 |
| ¢   |       | 1.2 | 474.3 |
| 1/4 |       | 2.2 | 473.3 |
| cb  |       | 2.7 | 472.8 |
| N   |       | 3.8 | 471.7 |

+2.5

|     |     |       |
|-----|-----|-------|
| N   | 7.0 | 4685  |
| cb  | 6.1 | 4694  |
| 1/4 | 5.7 | 469.8 |
| ¢   | 4.8 | 470.7 |
| 1/4 | 4.1 | 471.4 |
| cb  | 4.2 | 471.3 |
| S   | 3.6 | 471.9 |

+1.00

|     |     |       |
|-----|-----|-------|
| S   | 8.4 | 467.1 |
| cb  | 8.5 | 467.0 |
| 1/4 | 7.8 | 467.7 |
| ¢   | 8.6 | 466.9 |

H.I. 47550

56

|     |       |
|-----|-------|
| 8.1 | 467.4 |
| 9.5 | 466.0 |
| 9.8 | 465.7 |

+2.5

|     |      |       |
|-----|------|-------|
| N   | 12.6 | 462.9 |
| cb  | 12.3 | 463.2 |
| 1/4 | 12.3 | 463.2 |
| ¢   | 12.1 | 463.4 |
| 1/4 | 11.4 | 464.1 |
| cb  | 12.0 | 463.5 |
| S   | 11.3 | 464.2 |

T.P.

-12.66 462.84

+4.01

H.I. 466.85

+4.50

|       |     |       |
|-------|-----|-------|
| 466.9 | 5.0 | 461.9 |
| cb    | 5.4 | 61.5  |
| 1/4   | 4.6 | 62.3  |
| ¢     | 5.1 | 61.8  |
| 1/4   | 5.3 | 61.6  |
| cb    | 5.4 | 61.5  |
| N     | 6.0 | 60.9  |

+2.5

|    |     |      |
|----|-----|------|
| N  | 6.9 | 60.0 |
| cb | 7.0 | 59.9 |

1

H.I. 466.85

|     |     |       |
|-----|-----|-------|
| 1/4 | 7.3 | 459.6 |
| ¢   | 7.4 | 59.5  |
| 1/4 | 6.9 | 60.0  |
| cb  | 7.2 | 59.7  |
| S   | 7.1 | 59.8  |

2+00

|     |     |      |
|-----|-----|------|
| S   | 8.7 | 58.2 |
| cb  | 8.5 | 58.4 |
| 1/4 | 8.5 | 58.4 |
| ¢   | 8.5 | 58.4 |
| 1/4 | 8.2 | 58.7 |
| cb  | 7.8 | 59.1 |
| N   | 7.4 | 59.5 |

2+25

|     |     |      |
|-----|-----|------|
| N   | 8.1 | 58.8 |
| cb  | 9.0 | 57.9 |
| 1/4 | 8.7 | 58.2 |
| ¢   | 8.0 | 58.9 |
| 1/4 | 8.1 | 58.8 |
| cb  | 9.6 | 57.3 |
| S   | 9.4 | 57.5 |

2+50

|     |     |      |
|-----|-----|------|
| S   | 7.6 | 59.3 |
| cb  | 6.5 | 60.4 |
| 1/4 | 6.0 | 60.9 |

H.I. 466.85

|     |     |       |
|-----|-----|-------|
| ¢   | 6.1 | 460.8 |
| 1/4 | 6.0 | 460.9 |
| cb  | 5.8 | 461.1 |
| N   | 5.6 | 461.3 |

Note - 2' E of E.L. Paving on Harbison

yardage this sec is 23 - 2 + 75

Look Out

|                          |      |        |
|--------------------------|------|--------|
| N                        | 5.5  | 461.7  |
| cb                       | 5.6  | 461.3  |
| +5' edge Harbison Paving | 5.7  | 461.14 |
| 1/4 - Paving             | 5.76 | 461.09 |
| ¢                        | 6.05 | 460.80 |
| 1/4                      | 6.27 | 460.58 |
| cb                       | 6.51 | 460.31 |
| S                        | 6.71 | 460.14 |

3+00

|                             |     |       |
|-----------------------------|-----|-------|
| S                           | 7.3 | 459.6 |
| cb                          | 6.5 | 460.4 |
| 1/4                         | 5.7 | 461.2 |
| ¢                           | 6.4 | 460.5 |
| 1/4                         | 6.2 | 60.7  |
| cb                          | 5.9 | 61.0  |
| ¢ 7' exposed 18" Water Main | 6.5 | 60.4  |
| N                           | 6.1 | 60.8  |

3+25

|   |     |      |
|---|-----|------|
| N | 2.6 | 69.3 |
|---|-----|------|

Note - for Harbison  
+ Ramona Intersection  
See Page 69 This book

57

H.I. 466.85

|                  |        |       |        |
|------------------|--------|-------|--------|
| cb               | 2.9    | 467.0 |        |
| → Top Water Main | 41     | 62.8  |        |
| 1/4              | 31     | 63.8  |        |
| ϕ                | 43     | 62.6  |        |
| 1/4              | 53     | 61.6  |        |
| cb               | 7.2    | 59.7  |        |
| S                | 6.4    | 60.5  |        |
|                  | 3+50   |       |        |
| S                | 39     | 63.0  |        |
| cb               | 43     | 62.6  |        |
| 1/4              | 2.9    | 64.0  |        |
| ϕ                | 1.8    | 65.1  |        |
| 1/4              | 0.8    | 66.1  |        |
| cb               | 0.7    | 66.2  |        |
| → Top Water Main | 1.8    | 65.1  |        |
| N                | 0.2    | 66.7  |        |
| T.P.             |        | -0.18 | 466.67 |
|                  | +11.92 |       |        |

H.I. 478.59

|                      |      |      |       |
|----------------------|------|------|-------|
|                      | 3+75 |      |       |
| N                    | 4786 | 8.0  | 470.6 |
| cb                   |      | 9.3  | 69.3  |
| 1/4 = Top Water Main |      | 10.0 | 68.0  |
| 1/4                  |      | 9.5  | 69.1  |
| ϕ                    |      | 11.0 | 67.6  |

H.I. 478.59

58

|                      |      |       |
|----------------------|------|-------|
| 1/4                  | 12.2 | 466.4 |
| cb                   | 12.7 | 65.9  |
| S                    | 12.9 | 65.7  |
|                      | 4+00 |       |
| S                    | 10.8 | 67.8  |
| cb                   | 10.1 | 68.5  |
| 1/4                  | 9.8  | 68.8  |
| ϕ                    | 8.1  | 70.5  |
| 1/4                  | 6.9  | 71.7  |
| 1/4 = Top Water Main | 8.0  | 70.6  |
| cb                   | 6.1  | 72.5  |
| N                    | 5.6  | 73.0  |
|                      | 4+25 |       |
| N                    | 3.8  | 74.8  |
| cb                   | 4.0  | 74.6  |
| 1/4 = Top Main       | 6.5  | 72.1  |
| 1/4                  | 4.1  | 74.5  |
| ϕ                    | 4.9  | 73.7  |
| 1/4                  | 7.2  | 71.4  |
| cb                   | 7.3  | 71.3  |
| S                    | 8.0  | 70.6  |
|                      | 4+50 |       |
| S                    | 6.1  | 72.5  |
| cb                   | 5.1  | 73.5  |
| 1/4                  | 4.4  | 74.2  |

H.I. 478.59

|                    |      |              |
|--------------------|------|--------------|
| ¢                  | 3.1  | 475.5        |
| 14                 | 3.0  | 75.6         |
| +4= Top Water Main | 4.8  | 73.8         |
| cb                 | 3.0  | 75.6         |
| N                  | 2.8  | 75.8         |
| T.P.               |      | -2.35 476.24 |
|                    | 4738 |              |

H.I. 483.62

4+75

|                    |      |      |
|--------------------|------|------|
| N                  | 7.3  | 76.3 |
| cb                 | 7.3  | 76.3 |
| +2= Top Water Main | 8.6  | 75.0 |
| 14                 | 7.4  | 76.2 |
| ¢                  | 7.4  | 76.2 |
| 14                 | 8.4  | 75.2 |
| cb                 | 9.1  | 74.5 |
| 5                  | 9.3  | 74.3 |
|                    | 5+00 |      |

|                    |     |      |
|--------------------|-----|------|
| 5                  | 8.3 | 75.3 |
| cb                 | 8.1 | 75.5 |
| 14                 | 7.7 | 75.9 |
| ¢                  | 6.9 | 76.7 |
| 14                 | 7.0 | 76.6 |
| +2= Top Water Main | 7.7 | 75.9 |
| cb                 | 6.2 | 76.4 |

H.I. 483.62

59

|                    |      |       |
|--------------------|------|-------|
| N                  | 6.7  | 476.9 |
|                    | 5+25 |       |
| N                  | 6.2  | 477.4 |
| cb                 | 6.4  | 477.2 |
| 114                | 6.1  | 77.5  |
| Top water main     | 7.2  | 76.4  |
| ¢                  | 6.2  | 77.4  |
| 114                | 6.9  | 76.7  |
| cb                 | 7.6  | 76.0  |
| 5                  | 7.8  | 75.8  |
|                    | 5+50 |       |
| 5                  | 2.1  | 76.5  |
| cb                 | 6.7  | 76.9  |
| 14                 | 6.4  | 77.2  |
| ¢                  | 5.2  | 78.4  |
| 114                | 6.3  | 77.3  |
| Top water main     | 6.9  | 76.7  |
| cb                 | 5.3  | 78.3  |
| N                  | 5.8  | 77.8  |
|                    | 5+75 |       |
| N                  | 5.2  | 78.4  |
| cb                 | 5.1  | 78.5  |
| 14                 | 4.8  | 78.8  |
| +2= Top water main | 6.0  | 77.6  |
| ¢                  | 4.6  | 79.0  |

H.I. 48362

|  |     |       |
|--|-----|-------|
| 1/4  | 51  | 478.5 |
| cb   | 58  | 77.8  |
| S  | 5.9 | 77.7  |
| 6+00   |     |       |
| S  | 5.4 | 78.2  |
| cb   | 5.2 | 78.4  |
| 1/4  | 4.8 | 78.8  |
| £  | 4.8 | 78.8  |
| +7 = Top water main                                    | 5.7 | 77.9  |
| 1/4  | 4.6 | 79.0  |
| cb   | 4.9 | 78.7  |
| N  | 50  | 78.6  |
| 6+20 = E.L. Dora <sup>60' wide</sup> <sub>ri'ces</sub> |     |       |
| N  | 48  | 78.8  |
| cb   | 4.5 | 79.1  |
| 1/4  | 4.0 | 79.6  |
| +4 = Top water main                                    | 5.2 | 78.4  |
| £  | 3.8 | 79.8  |
| 1/4  | 3.9 | 79.7  |
| cb   | 4.4 | 79.2  |
| S  | 4.8 | 78.8  |
| E cb Dora (72 <sup>nd</sup> )                          |     |       |
| S  | 4.3 | 79.3  |
| cb   | 4.1 | 79.5  |
| 1/4  | 4.0 | 79.6  |

H.I. 48362

60

|                     |     |       |
|---------------------|-----|-------|
| d                   | 38  | 479.8 |
| +5 = Top water main | 50  | 478.6 |
| 1/4                 | 3.2 | 80.4  |
| cb                  | 4.1 | 79.5  |
| N                   | 4.6 | 79.0  |
| £ Dora              |     |       |
| N                   | 4.8 | 78.8  |
| cb                  | 4.4 | 79.2  |
| 1/4                 | 3.6 | 80.0  |
| £                   | 3.6 | 80.0  |
| 1/4                 | 3.6 | 80.0  |
| cb                  | 3.8 | 79.8  |
| S                   | 3.9 | 79.7  |
| W cb Dora           |     |       |
| S                   | 3.7 | 79.9  |
| cb                  | 3.9 | 79.7  |
| 1/4                 | 3.6 | 80.0  |
| d                   | 3.6 | 80.0  |
| 1/4                 | 4.0 | 79.6  |
| cb                  | 4.6 | 79.0  |
| N                   | 4.9 | 78.7  |
| W.L. Dora = 0+00    |     |       |
| N                   | 4.7 | 78.9  |
| cb                  | 4.4 | 79.2  |
| 1/4                 | 4.1 | 79.5  |

H.I. 4836 ✓

|                                     |      |        |
|-------------------------------------|------|--------|
| ♀                                   | 3.9  | 479.7  |
| 1/4                                 | 3.7  | 79.9   |
| cb                                  | 3.7  | 79.9   |
| S                                   | 3.5  | 80.1   |
| T.P. - Eucalyptus Tree - South side | 1.51 | 482.11 |
| + 2.78                              |      |        |

H.I. 48489

0+25

|     |    |       |
|-----|----|-------|
| S   | 45 | 480.4 |
| cb  | 50 | 79.7  |
| 1/4 | 46 | 80.3  |
| ♀   | 54 | 79.5  |
| 1/4 | 59 | 79.0  |
| cb  | 55 | 79.4  |
| N   | 58 | 79.1  |

0+50

|     |    |      |
|-----|----|------|
| N   | 52 | 79.7 |
| cb  | 53 | 79.6 |
| 1/4 | 58 | 79.1 |
| ♀   | 48 | 80.1 |
| 1/4 | 51 | 79.8 |
| cb  | 54 | 79.5 |
| S   | 45 | 80.4 |

0+75

|   |    |      |
|---|----|------|
| S | 41 | 80.8 |
|---|----|------|

H.I. 48489

61

|     |    |       |
|-----|----|-------|
| cb  | 49 | 480.0 |
| 1/4 | 47 | 80.2  |
| ♀   | 49 | 80.0  |
| 1/4 | 57 | 79.2  |
| cb  | 54 | 79.5  |
| N   | 57 | 79.2  |

1400

|     |    |      |
|-----|----|------|
| N   | 60 | 78.9 |
| cb  | 59 | 79.0 |
| 1/4 | 58 | 79.1 |
| ♀   | 51 | 79.8 |
| 1/4 | 47 | 80.2 |
| cb  | 48 | 80.1 |
| S   | 37 | 81.2 |

1425

|     |    |      |
|-----|----|------|
| S   | 45 | 80.4 |
| cb  | 46 | 80.3 |
| 1/4 | 49 | 80.0 |
| ♀   | 59 | 79.0 |
| 1/4 | 60 | 78.9 |
| cb  | 61 | 78.8 |
| N   | 64 | 78.5 |

1435

3' Concrete Walk at N.L. 663 478.26



H.I. 48489

1750

|     |     |       |
|-----|-----|-------|
| N   | 7.0 | 477.9 |
| cb  | 6.4 | 78.5  |
| 1/4 | 6.2 | 78.7  |
| ¢   | 5.9 | 79.0  |
| 1/4 | 5.0 | 79.9  |
| cb  | 4.9 | 80.0  |
| S   | 4.7 | 80.2  |

1775

|     |     |      |
|-----|-----|------|
| S   | 5.7 | 79.2 |
| cb  | 5.7 | 79.2 |
| 1/4 | 6.2 | 78.7 |
| ¢   | 6.5 | 78.4 |
| 1/4 | 6.8 | 78.1 |
| cb  | 7.3 | 77.6 |
| N   | 7.4 | 77.5 |

2+00

|     |     |      |
|-----|-----|------|
| N   | 8.7 | 76.2 |
| cb  | 8.1 | 76.8 |
| 1/4 | 7.5 | 77.4 |
| ¢   | 7.3 | 77.6 |
| 1/4 | 6.7 | 78.2 |
| cb  | 6.7 | 78.2 |
| S   | 6.6 | 78.3 |

2+25

|   |     |      |
|---|-----|------|
| S | 7.3 | 77.6 |
|---|-----|------|

H.I. 48489

62

|     |     |       |
|-----|-----|-------|
| cb  | 7.4 | 477.5 |
| 1/4 | 7.5 | 477.4 |
| ¢   | 8.2 | 76.7  |
| 1/4 | 8.7 | 76.2  |
| cb  | 8.9 | 76.0  |
| N   | 9.5 | 75.4  |

2+30

¢ Concrete walk at N.L. 9.93 74.76

2+50

|     |      |       |
|-----|------|-------|
| N   | 10.5 | 474.4 |
| cb  | 10.0 | 74.9  |
| 1/4 | 9.5  | 75.4  |
| ¢   | 8.9  | 76.0  |
| 1/4 | 8.2  | 76.7  |
| cb  | 8.3  | 76.6  |
| S   | 8.1  | 76.8  |

2+75

|     |      |      |
|-----|------|------|
| S   | 8.7  | 76.2 |
| cb  | 8.8  | 76.1 |
| 1/4 | 9.4  | 75.5 |
| ¢   | 9.9  | 75.0 |
| 1/4 | 10.3 | 74.6 |
| cb  | 10.8 | 74.1 |
| N   | 11.1 | 73.8 |

H.I. 484.89

3100

K.P. -12.29 472.60

+3.98

c.b

S

H.I. 476.58

3400

N 476.6 3.3 473.3

c.b 3.0 73.6

1/4 2.5 74.1

f 2.2 74.4

1/4 1.1 75.5

c.b 1.0 75.6

S 1.5 75.1

3425

S 2.0 74.6

c.b 1.9 74.7

1/4 2.2 74.4

f 2.8 73.8

1/4 3.2 73.4

c.b 3.4 73.2

N 4.1 72.5

3450

N 4.6 72.0

c.b 4.0 72.6

1/4 3.7 72.9

f 3.4 73.2

1/4 2.8 73.8

H.I. 476.58

63

2.3 474.3

2.5 474.1

3475

3.5 473.1

3.3 73.3

3.5 73.1

4.0 72.6

4.5 72.1

4.9 71.7

5.6 71.0

4400

6.4 70.2

5.5 71.1

5.0 71.6

4.6 72.0

4.7 71.9

4.3 72.3

4.8 71.8

4425

4.7 71.9

4.5 72.1

5.1 71.5

5.2 71.4

5.7 70.9

6.4 70.2

H.I. 476.58

|     |      |       |
|-----|------|-------|
| N   | 6.4  | 470.2 |
|     | 4+50 |       |
| N   | 7.3  | 469.3 |
| cb  | 6.7  | 69.9  |
| 1/4 | 6.5  | 70.1  |
| ¢   | 6.2  | 70.4  |
| 1/4 | 5.7  | 70.9  |
| cb  | 5.1  | 71.5  |
| S   | 5.0  | 71.6  |
|     | 4+75 |       |
| S   | 6.0  | 70.6  |
| cb  | 6.1  | 70.5  |
| 1/4 | 6.5  | 70.1  |
| ¢   | 6.4  | 70.2  |
| 1/4 | 6.7  | 69.9  |
| cb  | 6.9  | 69.7  |
| N   | 7.0  | 69.6  |
|     | 5+00 |       |
| N   | 7.3  | 69.3  |
| cb  | 6.8  | 69.8  |
| 1/4 | 6.7  | 69.9  |
| ¢   | 6.6  | 70.0  |
| 1/4 | 6.2  | 70.4  |
| cb  | 5.7  | 70.9  |
| S   | 5.9  | 70.9  |

H.I. 476.58

64

5+25

|                            |      |       |
|----------------------------|------|-------|
| S                          | 5.7  | 470.9 |
| cb                         | 5.7  | 470.9 |
| 1/4                        | 6.6  | 470.0 |
| ¢                          | 7.0  | 469.6 |
| 1/4                        | 7.2  | 469.4 |
| cb                         | 7.2  | 469.4 |
| N                          | 7.5  | 469.1 |
|                            | 5+50 |       |
| N                          | 7.4  | 469.2 |
| cb                         | 7.8  | 469.8 |
| 1/4                        | 7.8  | 469.8 |
| ¢                          | 7.4  | 469.2 |
| 1/4                        | 7.1  | 469.5 |
| cb                         | 6.5  | 470.1 |
| S                          | 6.2  | 70.4  |
|                            | 5+75 |       |
| S                          | 6.5  | 70.1  |
| cb                         | 6.9  | 69.7  |
| 1/4                        | 7.7  | 68.9  |
| ¢                          | 7.9  | 68.7  |
| 1/4                        | 8.2  | 68.4  |
| cb                         | 8.2  | 68.4  |
| N                          | 7.8  | 68.8  |
|                            | 5+80 |       |
| ¢ 3' Concrete Walk at N.L. | 7.23 | 69.35 |

H.J. 476.58

6+00

|     |     |       |
|-----|-----|-------|
| N   | 8.2 | 468.4 |
| cb  | 8.2 | 468.4 |
| 1/4 | 8.6 | 468.0 |
| ¢   | 8.2 | 68.4  |
| 1/4 | 8.1 | 68.5  |
| cb  | 7.9 | 68.7  |
| S   | 7.7 | 68.9  |

6+20 = E. L. Helen - 60' wide 10' p6s

|     |     |      |
|-----|-----|------|
| S   | 7.7 | 68.9 |
| cb  | 8.3 | 68.3 |
| 1/4 | 8.3 | 68.3 |
| ¢   | 8.4 | 68.2 |
| 1/4 | 8.8 | 67.8 |
| cb  | 8.5 | 68.1 |
| N   | 8.1 | 68.5 |

E cb Helen

|     |     |      |
|-----|-----|------|
| N   | 8.4 | 68.2 |
| cb  | 8.5 | 68.1 |
| 1/4 | 9.0 | 67.6 |
| ¢   | 8.4 | 68.2 |
| 1/4 | 8.4 | 68.2 |
| cb  | 8.7 | 67.9 |
| S   | 8.2 | 68.4 |

¢ Helen

|   |     |      |
|---|-----|------|
| S | 8.5 | 68.1 |
|---|-----|------|

H.J. 476.58

65

|     |     |       |
|-----|-----|-------|
| cb  | 8.8 | 467.8 |
| 1/4 | 8.7 | 467.9 |
| ¢   | 8.6 | 468.0 |
| 1/4 | 8.6 | 68.0  |
| cb  | 8.5 | 68.1  |
| N   | 8.4 | 68.2  |

W cb Helen

|     |     |      |
|-----|-----|------|
| N   | 8.6 | 68.0 |
| cb  | 8.7 | 67.9 |
| 1/4 | 8.6 | 68.0 |
| ¢   | 8.8 | 67.8 |
| 1/4 | 8.9 | 67.7 |
| cb  | 9.0 | 67.6 |
| S   | 8.4 | 68.2 |

W.L. Helen - 0+00

|     |     |      |
|-----|-----|------|
| S   | 8.4 | 68.2 |
| cb  | 9.0 | 67.6 |
| 1/4 | 9.1 | 67.5 |
| ¢   | 8.9 | 67.7 |
| 1/4 | 9.3 | 67.3 |
| cb  | 8.9 | 67.7 |
| N   | 8.1 | 68.5 |

T.P. N.W. Top Iron Pin on Prop. Coy

-7.45

469.13

+2.20 471.33

H.I. 471.33

0+25

|     |         |     |       |
|-----|---------|-----|-------|
| N   | (471.3) | 32  | 468.1 |
| cb  |         | 4.0 | 67.3  |
| 1/4 |         | 4.3 | 67.0  |
| ¢   |         | 3.9 | 67.4  |
| 1/4 |         | 4.0 | 67.3  |
| cb  |         | 4.0 | 67.3  |
| 5   |         | 3.2 | 68.1  |

0+50

|      |  |     |      |
|------|--|-----|------|
| 5    |  | 3.5 | 67.8 |
| cb   |  | 4.4 | 66.9 |
| 1/4  |  | 4.1 | 67.2 |
| ¢    |  | 4.2 | 67.1 |
| 1/4  |  | 4.4 | 66.9 |
| ¢ b. |  | 4.1 | 67.2 |
| N    |  | 3.7 | 67.6 |

0+75

|     |       |     |      |
|-----|-------|-----|------|
| N   |       | 4.3 | 67.0 |
| cb  |       | 4.3 | 67.0 |
| 1/4 |       | 4.6 | 66.7 |
| ¢   |       | 4.2 | 67.1 |
| 1/4 |       | 4.2 | 67.1 |
| cb  |       | 3.9 | 67.4 |
| 5   |       | 3.5 | 67.8 |
|     | 1+00. |     |      |
| 5   |       | 2.9 | 68.4 |

H.I. 471.33

66

|       |     |       |
|-------|-----|-------|
| 471.3 | 4.1 | 467.2 |
|       | 4.1 | 67.2  |
|       | 4.3 | 67.0  |
|       | 4.9 | 66.4  |
|       | 5.1 | 66.2  |
|       | 4.7 | 66.6  |

1+25

|     |  |     |      |
|-----|--|-----|------|
| N   |  | 5.7 | 65.6 |
| cb  |  | 5.2 | 66.1 |
| 1/4 |  | 5.0 | 66.3 |
| ¢   |  | 4.1 | 67.2 |
| 1/4 |  | 3.9 | 67.4 |
| cb  |  | 4.5 | 66.8 |
| 5   |  | 2.5 | 68.8 |

1+50

|     |  |     |      |
|-----|--|-----|------|
| 5   |  | 2.1 | 69.2 |
| +5  |  | 2.7 | 68.6 |
| +8  |  | 4.4 | 66.9 |
| cb  |  | 4.4 | 66.9 |
| 1/4 |  | 3.8 | 67.5 |
| ¢   |  | 4.1 | 67.2 |
| 1/4 |  | 5.2 | 66.1 |
| cb  |  | 5.1 | 66.2 |
| N   |  | 5.5 | 65.8 |

H.I. 471.33

1+75

|     |     |       |
|-----|-----|-------|
| d   | 5.7 | 465.6 |
| cb. | 5.2 | 66.1  |
| 1/4 | 5.2 | 66.1  |
| ¢   | 4.3 | 67.0  |
| 1/4 | 4.1 | 67.2  |
| cb  | 4.7 | 66.6  |
| +v  | 4.2 | 66.6  |
| +5  | 2.9 | 68.4  |
| s   | 2.6 | 68.7  |

2+00

|     |     |      |
|-----|-----|------|
| s   | 3.5 | 67.8 |
| cb  | 4.2 | 67.1 |
| 1/4 | 4.4 | 66.9 |
| ¢   | 4.8 | 66.5 |
| 1/4 | 5.7 | 65.6 |
| cb  | 5.6 | 65.7 |
| N   | 5.9 | 65.4 |

2+25

|     |     |      |
|-----|-----|------|
| N   | 6.8 | 64.5 |
| cb  | 6.5 | 64.8 |
| 1/4 | 6.0 | 65.3 |
| ¢   | 5.3 | 66.0 |
| 1/4 | 4.8 | 66.5 |
| cb  | 4.8 | 66.5 |
| s   | 3.3 | 68.0 |

H.I. 471.33

2+50

67

|     |     |       |
|-----|-----|-------|
| s   | 3.7 | 467.6 |
| cb  | 5.7 | 465.6 |
| 1/4 | 5.1 | 466.2 |
| ¢   | 5.4 | 465.9 |
| 1/4 | 6.2 | 465.1 |
| cb  | 6.8 | 464.5 |
| N   | 7.3 | 464.0 |

2+75

|     |     |       |
|-----|-----|-------|
| N   | 7.8 | 463.5 |
| cb  | 7.4 | 463.9 |
| 1/4 | 6.3 | 65.0  |
| ¢   | 5.6 | 65.7  |
| 1/4 | 5.5 | 65.8  |
| cb  | 6.2 | 65.1  |
| s   | 4.4 | 66.9  |

3+00

|     |     |       |
|-----|-----|-------|
| s   | 5.3 | 466.0 |
| +6  | 6.1 | 65.2  |
| cb  | 7.1 | 64.2  |
| 1/4 | 6.3 | 65.0  |
| ¢   | 6.3 | 65.0  |
| 1/4 | 6.5 | 64.8  |
| cb  | 7.9 | 63.4  |
| N   | 8.6 | 62.7  |

H.I. 471.33

3+25

|     |     |      |
|-----|-----|------|
| N   | 9.0 | 62.3 |
| cb  | 8.3 | 63.0 |
| 1/4 | 7.3 | 64.0 |
| ϕ   | 7.0 | 64.3 |
| 1/4 | 6.9 | 64.4 |
| cb  | 7.8 | 63.5 |
| +3  | 6.5 | 64.8 |
| 5   | 5.7 | 65.6 |

3+50

|     |     |      |
|-----|-----|------|
| 5   | 6.4 | 64.9 |
| +7  | 7.4 | 63.9 |
| cb  | 8.5 | 62.8 |
| 1/4 | 7.5 | 63.8 |
| ϕ   | 7.6 | 62.7 |
| 1/4 | 8.1 | 63.2 |
| cb  | 9.0 | 62.3 |
| N   | 9.6 | 61.7 |

3+75

|     |     |      |
|-----|-----|------|
| N   | 7.8 | 61.5 |
| cb  | 9.6 | 61.7 |
| 1/4 | 8.7 | 62.6 |
| ϕ   | 8.2 | 63.1 |
| 1/4 | 8.2 | 63.1 |
| cb  | 9.0 | 62.3 |
| +3  | 7.8 | 63.5 |

H.I. 471.33

68

|     |      |      |
|-----|------|------|
| 5   | 6.7  | 64.6 |
|     | 4+00 |      |
| 5   | 7.5  | 63.8 |
| +6  | 8.3  | 63.0 |
| cb  | 9.4  | 61.9 |
| 1/4 | 8.7  | 62.6 |
| ϕ   | 8.7  | 62.6 |
| 1/4 | 9.2  | 62.1 |
| cb  | 10.0 | 61.3 |
| N   | 10.1 | 61.2 |

4+25

|     |      |      |
|-----|------|------|
| N   | 10.5 | 60.8 |
| cb  | 9.6  | 61.7 |
| 1/4 | 9.4  | 61.9 |
| ϕ   | 9.1  | 62.2 |
| 1/4 | 9.0  | 62.3 |
| cb  | 9.6  | 61.7 |
| +5  | 8.2  | 63.1 |
| 5   | 7.7  | 63.6 |

4+50

|     |      |      |
|-----|------|------|
| 5   | 7.8  | 63.5 |
| +5  | 8.3  | 63.0 |
| cb  | 10.0 | 61.3 |
| 1/4 | 9.2  | 62.1 |
| ϕ   | 9.4  | 61.9 |

H.J. 471.33

69

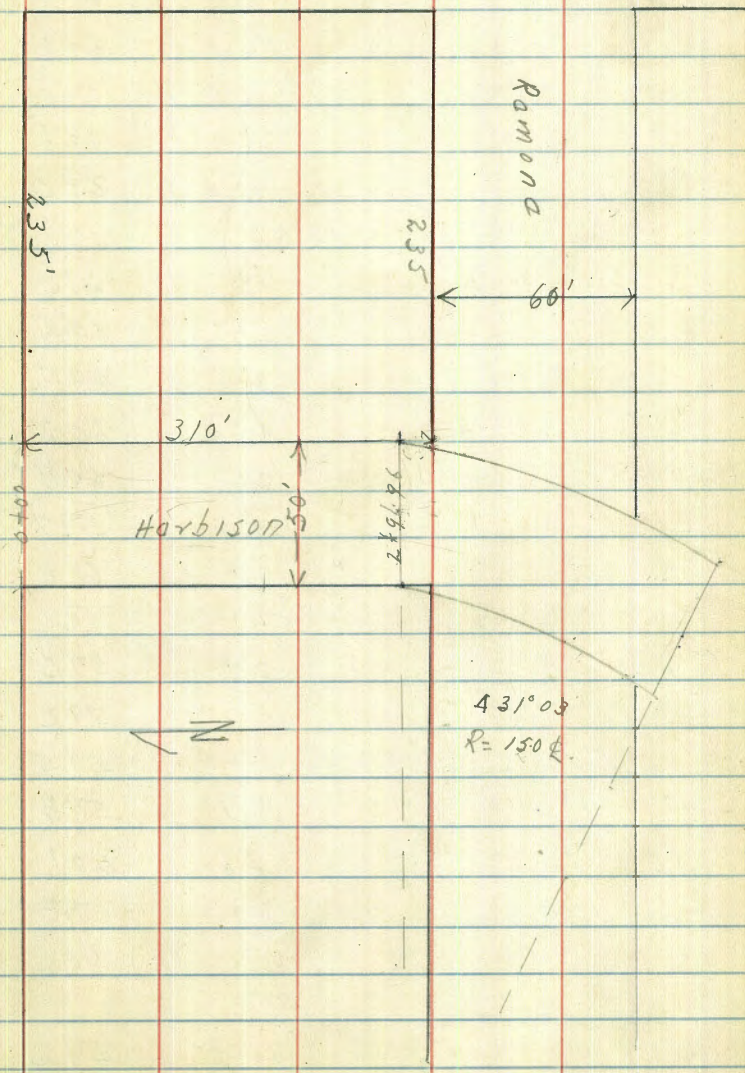
Sketch of Harbison &amp; Ramona Intersection

|     |        |               |
|-----|--------|---------------|
| 1/4 | 9.5    | 461.8         |
| cb  | 10.2   | 61.1          |
| N   | 11.0   | 60.3          |
|     | 4775   |               |
| N   | 11.0   | 60.3          |
| cb  | 10.4   | 59.9          |
| 1/4 | 9.9    | 61.4          |
| 2:  | 9.7    | 61.6          |
| 1/4 | 9.5    | 61.8          |
| cb  | 10.2   | 61.1          |
| 1/4 | 8.5    | 62.8          |
| 5   | 7.8    | 63.5          |
|     | 5400   |               |
| 5   | 8.8    | 62.5          |
| 15  | 9.4    | 61.9          |
| cb  | 10.5   | 60.8          |
| 1/4 | 10.0   | 61.3          |
| 5   | 10.2   | 61.1          |
| 1/4 | 10.7   | 60.6          |
| cb  | 10.8   | 60.5          |
| N   | 10.8   | 60.5          |
| T.P |        | -10.67 460.66 |
|     | + 2725 | H.I. 462.91   |
|     | 5725   |               |
| N   | 7.7    | 460.2         |

C

Isabella

El Cajon





H.I. 46291

|     |        |     |       |
|-----|--------|-----|-------|
| cb  | 462.91 | 2.9 | 460.0 |
| 1/4 |        | 2.5 | 60.4  |
| £   |        | 2.3 | 60.6  |
| 1/4 |        | 2.0 | 60.9  |
| cb  |        | 2.3 | 60.6  |
| S   |        | 0.9 | 62.0  |

5750

|     |  |     |      |
|-----|--|-----|------|
| S   |  | 1.7 | 61.2 |
| cb  |  | 2.4 | 60.5 |
| 1/4 |  | 2.4 | 60.5 |
| £   |  | 2.7 | 60.2 |
| 1/4 |  | 2.1 | 60.8 |
| cb  |  | 3.2 | 59.7 |
| N   |  | 2.8 | 60.1 |

5775

|     |  |     |      |
|-----|--|-----|------|
| N   |  | 3.1 | 59.2 |
| cb  |  | 3.7 | 59.2 |
| 1/4 |  | 3.4 | 59.5 |
| £   |  | 3.1 | 59.8 |
| 1/4 |  | 2.8 | 60.1 |
| cb  |  | 3.1 | 59.8 |
| S   |  | 2.1 | 60.8 |

6+00

|    |  |     |      |
|----|--|-----|------|
| S  |  | 2.7 | 59.2 |
| cb |  | 2.6 | 60.3 |

H.I. 462.91

70

|     |     |       |
|-----|-----|-------|
| 1/4 | 3.0 | 459.9 |
| £   | 3.3 | 59.6  |
| 1/4 | 3.6 | 59.3  |
| cb  | 3.7 | 59.2  |
| N   | 3.7 | 59.2  |

6+20 = E.L. Loiss - 60' wide 10' cbs

|     |     |      |
|-----|-----|------|
| N   | 3.8 | 59.1 |
| cb  | 3.7 | 59.2 |
| 1/4 | 3.4 | 59.5 |
| £   | 3.3 | 59.6 |
| 1/4 | 3.2 | 59.7 |
| cb  | 3.2 | 59.7 |
| S   | 3.1 | 59.8 |

E cb Loiss

|     |     |      |
|-----|-----|------|
| S   | 3.4 | 59.3 |
| cb  | 3.5 | 59.4 |
| 1/4 | 3.4 | 59.5 |
| £   | 3.6 | 59.3 |
| 1/4 | 3.4 | 59.5 |
| cb  | 3.3 | 59.6 |
| N   | 3.5 | 59.4 |

£ Loiss

|     |     |      |
|-----|-----|------|
| N   | 3.5 | 59.4 |
| cb  | 3.5 | 59.4 |
| 1/4 | 3.6 | 59.3 |

H.I. 462.91

|                                |      |       |
|--------------------------------|------|-------|
| ♀                              | 3.8  | 459.1 |
| 1/4                            | 4.4  | 58.5  |
| cb                             | 4.3  | 58.6  |
| S                              | 3.8  | 59.1  |
| w cb                           | Lois |       |
| S                              | 4.4  | 58.5  |
| cb                             | 4.8  | 58.1  |
| 1/4                            | 4.6  | 58.3  |
| ♀                              | 4.0  | 58.9  |
| 1/4                            | 4.1  | 58.8  |
| cb                             | 4.4  | 58.7  |
| N                              | 4.3  | 58.6  |
| (70 <sup>th</sup> ) w. L. Lois | 0+00 |       |
| N                              | 4.4  | 58.5  |
| cb                             | 4.8  | 58.1  |
| 1/4                            | 4.5  | 58.4  |
| ♀                              | 4.0  | 58.9  |
| 1/4                            | 4.6  | 58.3  |
| cb                             | 5.0  | 59.9  |
| S                              | 4.7  | 58.2  |
|                                | 0+25 |       |
| S                              | 5.2  | 57.7  |
| cb                             | 5.0  | 57.9  |
| 1/4                            | 4.7  | 58.2  |
| ♀                              | 4.4  | 58.7  |

H.I. 462.91

71

|     |      |      |
|-----|------|------|
| 1/4 | 5.2  | 57.7 |
| cb  | 5.0  | 57.9 |
| N   | 4.7  | 58.2 |
|     | 0+50 |      |
| N   | 4.8  | 58.1 |
| cb  | 5.2  | 57.7 |
| 1/4 | 5.3  | 57.6 |
| ♀   | 4.4  | 58.2 |
| 1/4 | 4.9  | 58.0 |
| cb  | 5.2  | 57.7 |
| S   | 5.3  | 57.6 |
|     | 0+75 |      |
| S   | 5.4  | 57.5 |
| cb  | 5.5  | 57.4 |
| 1/4 | 5.0  | 57.9 |
| ♀   | 4.5  | 58.4 |
| 1/4 | 5.5  | 57.4 |
| cb  | 5.5  | 57.4 |
| N   | 4.8  | 58.1 |
|     | 1+00 |      |
| N   | 4.9  | 58.0 |
| cb  | 5.3  | 57.6 |
| 1/4 | 5.3  | 57.6 |
| ♀   | 4.7  | 58.2 |
| 1/4 | 5.2  | 57.7 |

H.I. 462.91

|                |     |       |
|----------------|-----|-------|
| cb             | 54  | 457.5 |
| A <sup>9</sup> | 55  | 57.4  |
| 1425           |     |       |
| A <sup>5</sup> | 54  | 57.5  |
| cb             | 52  | 57.7  |
| 1/4            | 53  | 57.6  |
| ¢              | 4.9 | 58.0  |
| 1/4            | 58  | 57.1  |
| cb             | 54  | 57.5  |
| N              | 51  | 57.8  |

1450

|     |     |      |
|-----|-----|------|
| A   | 52  | 57.7 |
| cb  | 56  | 57.3 |
| 1/4 | 59  | 57.0 |
| ¢   | 51  | 57.8 |
| 1/4 | 55  | 57.4 |
| cb  | 6.0 | 56.9 |
| S   | 59  | 57.0 |

1475

|     |     |      |
|-----|-----|------|
| S   | 6.4 | 56.5 |
| cb  | 6.0 | 56.9 |
| 1/4 | 56  | 57.3 |
| ¢   | 53  | 57.6 |
| 1/4 | 6.0 | 56.9 |
| cb  | 5.5 | 57.4 |

H.I. 462.91

72

|                             |      |        |
|-----------------------------|------|--------|
| N                           | 51   | 457.8  |
| 2+20                        |      |        |
| 11-3' Concrete Walk at N.L. | 4.89 | 458.02 |
| N                           | 51   | 457.8  |
| cb                          | 5.6  | 57.3   |
| 1/4                         | 6.2  | 56.7   |
| ¢                           | 5.5  | 57.4   |
| 1/4                         | 59   | 57.0   |
| cb                          | 6.4  | 56.5   |
| S                           | 6.4  | 56.5   |

2+25

|      |      |        |
|------|------|--------|
| S    | 6.7  | 56.2   |
| cb   | 6.7  | 56.2   |
| 1/4  | 6.0  | 56.9   |
| ¢    | 5.7  | 57.2   |
| 1/4  | 6.2  | 56.7   |
| cb   | 6.1  | 56.8   |
| N    | 53   | 57.6   |
| T.P. | -636 | 456.55 |

+403

H.I. 460.58

2+30

|     |     |       |
|-----|-----|-------|
| N   | 3.5 | 457.1 |
| cb  | 4.0 | 56.6  |
| 1/4 | 3.8 | 56.8  |
| ¢   | 3.5 | 57.1  |

H. 460.58

|     |      |       |
|-----|------|-------|
| 1/4 | 38   | 456.8 |
| cb  | 3.8  | 456.8 |
| 5   | 3.9  | 456.1 |
|     | 2+75 |       |
| 5   | 3.9  | 56.7  |
| cb  | 3.8  | 56.8  |
| 45  | 4.5  | 56.1  |
| 1/4 | 3.9  | 56.7  |
| ¢   | 3.6  | 57.0  |
| 1/4 | 4.0  | 56.6  |
| cb  | 4.2  | 56.4  |
| x   | 3.2  | 57.4  |
|     | 3+00 |       |
| x   | 3.4  | 57.2  |
| cb  | 4.2  | 56.4  |
| 1/4 | 4.0  | 56.6  |
| ¢   | 3.7  | 56.9  |
| 1/4 | 4.1  | 56.5  |
| 45  | 4.6  | 56.0  |
| cb  | 4.0  | 56.6  |
| 5   | 4.2  | 56.4  |
|     | 3+25 |       |
| 5   | 4.4  | 56.2  |
| cb  | 4.4  | 56.2  |
| 1/4 | 4.0  | 56.6  |

H. 460.58

73

|                          |      |       |
|--------------------------|------|-------|
| ¢                        | 3.6  | 457.0 |
| 1/4                      | 4.0  | 56.6  |
| cb                       | 3.8  | 56.8  |
| N                        | 3.0  | 57.6  |
|                          | 3+40 |       |
| 3' Concrete Walk at N.L. | 2.86 | 457.2 |
|                          | 3+50 |       |
| N                        | 3.1  | 457.5 |
| cb                       | 4.2  | 56.4  |
| 1/4                      | 4.2  | 56.4  |
| ¢                        | 3.8  | 56.8  |
| 1/4                      | 4.1  | 56.5  |
| cb                       | 4.4  | 56.2  |
| 5                        | 4.6  | 56.0  |
|                          | 3+75 |       |
| 5                        | 5.0  | 55.6  |
| cb                       | 4.8  | 55.8  |
| 1/4                      | 4.2  | 56.4  |
| ¢                        | 3.8  | 56.8  |
| 1/4                      | 4.1  | 56.5  |
| cb                       | 4.5  | 56.1  |
| x                        | 3.7  | 56.9  |
|                          | 4+00 |       |
| N                        | 3.8  | 56.8  |
| cb                       | 4.5  | 56.1  |

H.I. 460.58

|     |     |       |
|-----|-----|-------|
| 1/4 | 4.5 | 456.1 |
| ♀   | 4.0 | 556.6 |
| 1/4 | 4.3 | 56.3  |
| cb  | 4.7 | 55.9  |
| S   | 5.2 | 55.4  |

4+25

|     |     |      |
|-----|-----|------|
| S   | 4.7 | 55.9 |
| cb  | 4.6 | 56.0 |
| 1/4 | 4.2 | 56.4 |
| ♀   | 4.0 | 56.6 |
| 1/4 | 4.3 | 56.3 |
| cb  | 4.6 | 56.0 |
| +3  | 3.9 | 56.7 |
| N   | 4.0 | 56.6 |

4+50

|     |     |      |
|-----|-----|------|
| N   | 4.2 | 56.4 |
| cb  | 4.8 | 55.8 |
| 1/4 | 4.8 | 55.8 |
| ♀   | 4.1 | 56.5 |
| 1/4 | 4.3 | 56.3 |
| cb  | 5.1 | 55.5 |
| S   | 5.0 | 55.6 |

4+53

♀ 4 Concrete Mat. 2' Bact S.C. 4.89 455.69

H.I. 460.58

74

4+75

|     |     |       |
|-----|-----|-------|
| S   | 5.2 | 455.4 |
| cb  | 5.2 | 55.4  |
| 1/4 | 4.6 | 56.0  |
| ♀   | 4.4 | 56.2  |
| 1/4 | 4.7 | 55.9  |

|    |     |      |
|----|-----|------|
| cb | 5.0 | 55.6 |
| +3 | 3.8 | 56.8 |
| N  | 3.8 | 56.8 |

5+00

|     |     |      |
|-----|-----|------|
| N   | 4.6 | 56.0 |
| cb  | 5.2 | 55.4 |
| 1/4 | 5.1 | 55.5 |
| ♀   | 4.6 | 56.0 |
| 1/4 | 4.9 | 55.7 |
| cb  | 5.1 | 55.5 |
| S   | 4.8 | 55.8 |

5+25

|     |     |       |
|-----|-----|-------|
| S   | 5.2 | 455.4 |
| cb  | 5.5 | 55.1  |
| 1/4 | 5.1 | 55.5  |
| ♀   | 4.8 | 55.8  |
| 1/4 | 5.4 | 55.2  |
| cb  | 5.4 | 55.2  |
| +5  | 4.7 | 55.9  |
| N   | 4.7 | 55.9  |

H.I. 460.58

5+50

|     |    |       |
|-----|----|-------|
| N   | 47 | 455.9 |
| +5  | 45 | 56.1  |
| cb  | 58 | 54.8  |
| 1/4 | 55 | 55.1  |
| ⊕   | 50 | 55.6  |
| 1/4 | 52 | 55.4  |
| cb  | 53 | 55.3  |
| s   | 54 | 55.2  |

5+75

|     |    |      |
|-----|----|------|
| S   | 54 | 55.2 |
| cb  | 57 | 54.9 |
| 1/4 | 54 | 55.2 |
| ⊕   | 51 | 55.5 |
| 1/4 | 55 | 55.1 |
| cb  | 54 | 55.2 |
| N   | 51 | 55.5 |

6+00

|     |    |      |
|-----|----|------|
| N   | 48 | 55.8 |
| +5  | 47 | 55.9 |
| cb  | 60 | 54.6 |
| 1/4 | 56 | 55.0 |
| ⊕   | 53 | 55.3 |
| 1/4 | 58 | 54.8 |
| cb  | 64 | 54.1 |
| +5  | 53 | 55.3 |

H.I. 460.58

75

S

54 455.2

(69+4)

6+20=EL. Victoria = 60' wide 10' cbs

|     |    |      |
|-----|----|------|
| S   | 56 | 55.0 |
| cb  | 64 | 54.2 |
| 1/4 | 59 | 54.7 |
| ⊕   | 54 | 55.2 |
| 1/4 | 62 | 54.4 |
| cb  | 65 | 54.1 |
| +5  | 53 | 55.3 |
| N   | 53 | 55.3 |

E cb Victoria

|     |    |      |
|-----|----|------|
| N   | 61 | 54.5 |
| cb  | 65 | 54.1 |
| 1/4 | 59 | 54.7 |
| ⊕   | 55 | 55.1 |
| 1/4 | 60 | 54.6 |
| cb  | 67 | 53.9 |
| S   | 56 | 55.0 |

⊕ Victoria

|     |    |      |
|-----|----|------|
| S   | 59 | 54.7 |
| cb  | 66 | 54.0 |
| 1/4 | 64 | 54.2 |
| ⊕   | 59 | 54.7 |
| 1/4 | 59 | 54.7 |
| cb  | 60 | 54.6 |

H.I. 460.58

|       |          |       |
|-------|----------|-------|
| N     | 6.2      | 454.4 |
| W c b | Victoria |       |
| N     | 6.7      | 53.9  |
| c b   | 6.4      | 54.2  |
| 1/4   | 6.2      | 54.4  |
| ♀     | 6.2      | 54.4  |
| 1/4   | 6.7      | 53.9  |
| c b   | 7.2      | 53.4  |
| S     | 6.4      | 54.2  |

W.L. Victoria = 0400

|     |     |      |
|-----|-----|------|
| S   | 6.9 | 53.7 |
| c b | 7.3 | 53.3 |
| 1/4 | 6.9 | 53.7 |
| ♀   | 6.4 | 54.2 |
| 1/4 | 6.1 | 54.5 |
| c b | 6.7 | 53.9 |
| N   | 6.7 | 53.9 |

T.P. Rock - West end Iron Pipe - 6.83 453.75

+3.70

H.I. 457.45

0425

|     |     |       |
|-----|-----|-------|
| N   | 4.6 | 452.9 |
| c b | 4.4 | 53.1  |
| 1/4 | 3.6 | 53.9  |
| ♀   | 3.8 | 53.7  |
| 1/4 | 3.9 | 53.6  |

H.I. 457.45

76

|     |       |     |       |
|-----|-------|-----|-------|
| c b | 457.5 | 4.5 | 453.0 |
| S   |       | 4.5 | 53.0  |
|     | 0450  |     |       |
| S.  |       | 4.6 | 52.9  |
| c b |       | 4.4 | 53.1  |
| 1/4 |       | 4.1 | 53.4  |
| ♀   |       | 4.1 | 53.4  |
| 1/4 |       | 3.5 | 54.0  |
| c b |       | 4.7 | 52.8  |
| N.  |       | 5.1 | 52.4  |

0475

|     |     |      |
|-----|-----|------|
| N   | 4.8 | 52.7 |
| c b | 4.6 | 52.9 |
| 1/4 | 4.1 | 53.4 |
| ♀   | 4.4 | 53.1 |
| 1/4 | 4.4 | 53.1 |
| c b | 5.0 | 52.5 |
| S   | 4.9 | 52.6 |

1400

|     |     |      |
|-----|-----|------|
| S   | 5.8 | 51.7 |
| c b | 5.0 | 52.5 |
| 1/4 | 4.7 | 52.8 |
| ♀   | 4.6 | 52.9 |
| 1/4 | 4.3 | 53.2 |
| c b | 4.8 | 52.7 |

41.457.45

|     |      |       |
|-----|------|-------|
| N   | 44   | 453.1 |
|     | 1+25 |       |
| N   | 43   | 53.2  |
| cb  | 46   | 52.9  |
| 1/4 | 46   | 52.9  |
| ¢   | 48   | 52.7  |
| 1/4 | 48   | 52.7  |
| cb  | 51   | 52.4  |
| S   | 56   | 51.9  |
|     | 1+50 |       |
| S   | 57   | 51.8  |
| cb  | 54   | 52.1  |
| 1/4 | 48   | 52.7  |
| ¢   | 49   | 52.6  |
| 1/4 | 48   | 52.7  |
| cb  | 49   | 52.6  |
| N   | 45   | 53.0  |
|     | 1+75 |       |
| N   | 49   | 52.6  |
| cb  | 53   | 52.2  |
| 1/4 | 49   | 52.6  |
| ¢   | 49   | 52.6  |
| 1/4 | 49   | 52.6  |
| cb  | 53   | 52.2  |
| S   | 60   | 51.5  |

41.457.45

77

2+00

|                       |      |       |
|-----------------------|------|-------|
| S                     | 57   | 51.8  |
| cb                    | 55   | 52.0  |
| 1/4                   | 48   | 52.7  |
| ¢                     | 48   | 52.7  |
| 1/4                   | 49   | 52.6  |
| cb                    | 52   | 52.3  |
| N                     | 49   | 52.6  |
|                       | 2+25 |       |
| N                     | 48   | 52.7  |
| cb                    | 50   | 52.5  |
| 1/4                   | 49   | 52.6  |
| ¢                     | 48   | 52.7  |
| 1/4                   | 48   | 52.7  |
| cb                    | 57   | 51.8  |
| S                     | 59   | 51.6  |
|                       | 2+50 |       |
| S                     | 55   | 52.0  |
| cb                    | 56   | 51.9  |
| 1/4                   | 48   | 52.7  |
| ¢                     | 48   | 52.7  |
| 1/4                   | 51   | 52.4  |
| cb                    | 50   | 52.5  |
| N                     | 45   | 53.0  |
|                       | 2+40 |       |
| ¢ Concrete walk at Nk | 44   | 53.04 |



H.I. 457.45

2+75

N-~~4'~~ Concrete work 1' in st. from N.L. 4.53 452.92

cb 50 452.5

1/4 5.2 52.3

¢ 5.0 52.5

1/4 4.9 52.6

cb 5.7 51.8

S 5.2 52.3

3+00

S 5.7 51.8

cb 5.4 52.1

1/4 4.9 52.6

¢ 5.0 52.5

1/4 5.2 52.3

cb 5.0 52.5

N 4.8 52.7

3+25

N 4.8 52.7

cb 5.2 52.3

1/4 5.1 52.4

¢ 5.2 52.3

1/4 5.0 52.5

cb 5.6 51.9

S 5.8 51.7

3+50

S 5.3 52.2

H.I. 457.45

78

cb 5.7 451.8

1/4 5.1 52.4

¢ 5.2 52.3

1/4 5.2 52.3

cb 5.3 52.2

N 4.7 52.8

3+75

N 4.6 52.9

cb 5.5 52.0

1/4 5.3 52.2

¢ 5.2 52.3

1/4 5.0 52.5

cb 5.7 51.8

S 5.7 51.8

4+00

S 5.9 51.6

cb 5.8 51.7

1/4 5.1 52.4

¢ 5.2 52.3

1/4 5.4 52.1

cb 5.5 52.0

N 4.6 52.9

4+25

N 4.9 52.6

cb 5.6 51.9

H. 1. 457.45

|     |      |       |
|-----|------|-------|
| 1/4 | 54   | 452.1 |
| ♀   | 55   | 520   |
| 1/4 | 5.4  | 52.1  |
| cb  | 6.1  | 51.4  |
| S   | 6.1  | 51.4  |
|     | 4+50 |       |
| S   | 6.0  | 51.5  |
| cb  | 6.0  | 51.5  |
| 1/4 | 5.5  | 52.0  |
| ♀   | 5.5  | 52.0  |
| 1/4 | 5.6  | 51.9  |
| cb  | 5.7  | 51.8  |
| N   | 4.7  | 52.8  |
|     | 4+75 |       |
| N   | 4.9  | 52.6  |
| cb  | 5.6  | 51.9  |
| 1/4 | 5.8  | 51.7  |
| ♀   | 5.8  | 51.7  |
| 1/4 | 5.6  | 51.9  |
| cb  | 6.0  | 51.5  |
| S   | 6.2  | 51.3  |
|     | 5+00 |       |
| S   | 6.7  | 50.8  |
| cb  | 6.2  | 50.3  |
| 1/4 | 5.9  | 51.6  |

H. 1. 457.45

79

|     |      |       |
|-----|------|-------|
| ♀   | 6.0  | 451.5 |
| 1/4 | 5.9  | 51.6  |
| cb  | 6.1  | 51.4  |
| N   | 5.8  | 51.7  |
|     | 5+25 |       |
| N   | 5.9  | 51.6  |
| cb  | 6.7  | 50.8  |
| 1/4 | 6.2  | 51.3  |
| ♀   | 6.2  | 51.3  |
| 1/4 | 6.1  | 51.4  |
| cb  | 6.8  | 50.7  |
| S   | 7.4  | 50.1  |
|     | 5+50 |       |
| S   | 6.6  | 50.9  |
| cb  | 6.5  | 51.0  |
| 1/4 | 6.3  | 51.2  |
| ♀   | 6.5  | 51.0  |
| 1/4 | 6.3  | 51.2  |
| cb  | 6.7  | 50.8  |
| N   | 6.2  | 51.3  |
|     | 5+75 |       |
| N   | 6.2  | 51.3  |
| cb  | 6.2  | 51.3  |
| 1/4 | 5.5  | 52.0  |
| ♀   | 6.2  | 51.3  |

H.A. 457.45

|                                 |                   |             |
|---------------------------------|-------------------|-------------|
| 1/4                             | 6.4               | 451.1       |
| cb                              | 7.0               | 50.5        |
| S                               | 7.5               | 50.0        |
|                                 | 6+00              |             |
| S                               | 7.4               | 50.1        |
| cb                              | 7.4               | 50.1        |
| 1/4                             | 6.4               | 51.1        |
| ¢                               | 6.1               | 51.4        |
| 1/4                             | 6.5               | 51.0        |
| cb                              | 6.5               | 51.0        |
| N                               | 6.2               | 51.3        |
|                                 | 6+20 = E.L. Olive |             |
| N                               | 5.6               | 51.9        |
| cb                              | 6.5               | 51.0        |
| 1/4                             | 6.4               | 51.1        |
| ¢                               | 6.1               | 51.4        |
| 1/4                             | 6.4               | 51.1        |
| cb                              | 7.2               | 50.3        |
| S                               | 7.4               | 50.1        |
| T.P                             |                   | -588 451.57 |
|                                 | +7.64             | 459.21      |
| B. M. S.W.B.P. El Cajon + Olive | -1.88             | 457.33      |
|                                 | Correct           | 457.36      |
|                                 | Error             | 0.03        |

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

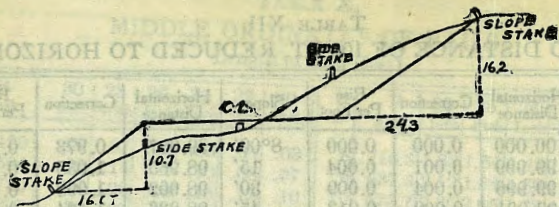
Distance of slope stake from side or shoulder stake for any width roadway, slope 1/2 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body

of table in same row and column gives distance from side stake to slope stake. If ground is not the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point and line of sight should cut target. necessary.

**IMPROVED TABLES  
AND  
INFORMATION**

TABLE No. 2.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external). The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

SLOPE 1 1/4 TO 1. ROADWAY OF ANY WIDTH.

|    | 0     | .1    | .2    | .3    | .4    | .5    | .6    | .7    | .8    | .9    |    |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| 0  | 0.00  | 0.15  | 0.30  | 0.45  | 0.60  | 0.75  | 0.90  | 1.05  | 1.20  | 1.35  | 0  |
| 1  | 1.50  | 1.65  | 1.80  | 1.95  | 2.10  | 2.25  | 2.40  | 2.55  | 2.70  | 2.85  | 1  |
| 2  | 3.00  | 3.15  | 3.30  | 3.45  | 3.60  | 3.75  | 3.90  | 4.05  | 4.20  | 4.35  | 2  |
| 3  | 4.50  | 4.65  | 4.80  | 4.95  | 5.10  | 5.25  | 5.40  | 5.55  | 5.70  | 5.85  | 3  |
| 4  | 6.00  | 6.15  | 6.30  | 6.45  | 6.60  | 6.75  | 6.90  | 7.05  | 7.20  | 7.35  | 4  |
| 5  | 7.50  | 7.65  | 7.80  | 7.95  | 8.10  | 8.25  | 8.40  | 8.55  | 8.70  | 8.85  | 5  |
| 6  | 9.00  | 9.15  | 9.30  | 9.45  | 9.60  | 9.75  | 9.90  | 10.05 | 10.20 | 10.35 | 6  |
| 7  | 10.50 | 10.65 | 10.80 | 10.95 | 11.10 | 11.25 | 11.40 | 11.55 | 11.70 | 11.85 | 7  |
| 8  | 12.00 | 12.15 | 12.30 | 12.45 | 12.60 | 12.75 | 12.90 | 13.05 | 13.20 | 13.35 | 8  |
| 9  | 13.50 | 13.65 | 13.80 | 13.95 | 14.10 | 14.25 | 14.40 | 14.55 | 14.70 | 14.85 | 9  |
| 10 | 15.00 | 15.15 | 15.30 | 15.45 | 15.60 | 15.75 | 15.90 | 16.05 | 16.20 | 16.35 | 10 |
| 11 | 16.50 | 16.65 | 16.80 | 16.95 | 17.10 | 17.25 | 17.40 | 17.55 | 17.70 | 17.85 | 11 |
| 12 | 18.00 | 18.15 | 18.30 | 18.45 | 18.60 | 18.75 | 18.90 | 19.05 | 19.20 | 19.35 | 12 |
| 13 | 19.50 | 19.65 | 19.80 | 19.95 | 20.10 | 20.25 | 20.40 | 20.55 | 20.70 | 20.85 | 13 |
| 14 | 21.00 | 21.15 | 21.30 | 21.45 | 21.60 | 21.75 | 21.90 | 22.05 | 22.20 | 22.35 | 14 |
| 15 | 22.50 | 22.65 | 22.80 | 22.95 | 23.10 | 23.25 | 23.40 | 23.55 | 23.70 | 23.85 | 15 |
| 16 | 24.00 | 24.15 | 24.30 | 24.45 | 24.60 | 24.75 | 24.90 | 25.05 | 25.20 | 25.35 | 16 |
| 17 | 25.50 | 25.65 | 25.80 | 25.95 | 26.10 | 26.25 | 26.40 | 26.55 | 26.70 | 26.85 | 17 |
| 18 | 27.00 | 27.15 | 27.30 | 27.45 | 27.60 | 27.75 | 27.90 | 28.05 | 28.20 | 28.35 | 18 |
| 19 | 28.50 | 28.65 | 28.80 | 28.95 | 29.10 | 29.25 | 29.40 | 29.55 | 29.70 | 29.85 | 19 |
| 20 | 30.00 | 30.15 | 30.30 | 30.45 | 30.60 | 30.75 | 30.90 | 31.05 | 31.20 | 31.35 | 20 |
| 21 | 31.50 | 31.65 | 31.80 | 31.95 | 32.10 | 32.25 | 32.40 | 32.55 | 32.70 | 32.85 | 21 |
| 22 | 33.00 | 33.15 | 33.30 | 33.45 | 33.60 | 33.75 | 33.90 | 34.05 | 34.20 | 34.35 | 22 |
| 23 | 34.50 | 34.65 | 34.80 | 34.95 | 35.10 | 35.25 | 35.40 | 35.55 | 35.70 | 35.85 | 23 |
| 24 | 36.00 | 36.15 | 36.30 | 36.45 | 36.60 | 36.75 | 36.90 | 37.05 | 37.20 | 37.35 | 24 |
| 25 | 37.50 | 37.65 | 37.80 | 37.95 | 38.10 | 38.25 | 38.40 | 38.55 | 38.70 | 38.85 | 25 |
| 26 | 39.00 | 39.15 | 39.30 | 39.45 | 39.60 | 39.75 | 39.90 | 40.05 | 40.20 | 40.35 | 26 |
| 27 | 40.50 | 40.65 | 40.80 | 40.95 | 41.10 | 41.25 | 41.40 | 41.55 | 41.70 | 41.85 | 27 |
| 28 | 42.00 | 42.15 | 42.30 | 42.45 | 42.60 | 42.75 | 42.90 | 43.05 | 43.20 | 43.35 | 28 |
| 29 | 43.50 | 43.65 | 43.80 | 43.95 | 44.10 | 44.25 | 44.40 | 44.55 | 44.70 | 44.85 | 29 |
| 30 | 45.00 | 45.15 | 45.30 | 45.45 | 45.60 | 45.75 | 45.90 | 46.05 | 46.20 | 46.35 | 30 |
| 31 | 46.50 | 46.65 | 46.80 | 46.95 | 47.10 | 47.25 | 47.40 | 47.55 | 47.70 | 47.85 | 31 |
| 32 | 48.00 | 48.15 | 48.30 | 48.45 | 48.60 | 48.75 | 48.90 | 49.05 | 49.20 | 49.35 | 32 |
| 33 | 49.50 | 49.65 | 49.80 | 49.95 | 50.10 | 50.25 | 50.40 | 50.55 | 50.70 | 50.85 | 33 |
| 34 | 51.00 | 51.15 | 51.30 | 51.45 | 51.60 | 51.75 | 51.90 | 52.05 | 52.20 | 52.35 | 34 |
| 35 | 52.50 | 52.65 | 52.80 | 52.95 | 53.10 | 53.25 | 53.40 | 53.55 | 53.70 | 53.85 | 35 |
| 36 | 54.00 | 54.15 | 54.30 | 54.45 | 54.60 | 54.75 | 54.90 | 55.05 | 55.20 | 55.35 | 36 |
| 37 | 55.50 | 55.65 | 55.80 | 55.95 | 56.10 | 56.25 | 56.40 | 56.55 | 56.70 | 56.85 | 37 |
| 38 | 57.00 | 57.15 | 57.30 | 57.45 | 57.60 | 57.75 | 57.90 | 58.05 | 58.20 | 58.35 | 38 |
| 39 | 58.50 | 58.65 | 58.80 | 58.95 | 59.10 | 59.25 | 59.40 | 59.55 | 59.70 | 59.85 | 39 |
| 40 | 60.00 | 60.15 | 60.30 | 60.45 | 60.60 | 60.75 | 60.90 | 61.05 | 61.20 | 61.35 | 40 |
| 41 | 61.50 | 61.65 | 61.80 | 61.95 | 62.10 | 62.25 | 62.40 | 62.55 | 62.70 | 62.85 | 41 |
| 42 | 63.00 | 63.15 | 63.30 | 63.45 | 63.60 | 63.75 | 63.90 | 64.05 | 64.20 | 64.35 | 42 |
| 43 | 64.50 | 64.65 | 64.80 | 64.95 | 65.10 | 65.25 | 65.40 | 65.55 | 65.70 | 65.85 | 43 |
| 44 | 66.00 | 66.15 | 66.30 | 66.45 | 66.60 | 66.75 | 66.90 | 67.05 | 67.20 | 67.35 | 44 |
| 45 | 67.50 | 67.65 | 67.80 | 67.95 | 68.10 | 68.25 | 68.40 | 68.55 | 68.70 | 68.85 | 45 |
| 46 | 69.00 | 69.15 | 69.30 | 69.45 | 69.60 | 69.75 | 69.90 | 70.05 | 70.20 | 70.35 | 46 |
| 47 | 70.50 | 70.65 | 70.80 | 70.95 | 71.10 | 71.25 | 71.40 | 71.55 | 71.70 | 71.85 | 47 |
| 48 | 72.00 | 72.15 | 72.30 | 72.45 | 72.60 | 72.75 | 72.90 | 73.05 | 73.20 | 73.35 | 48 |
| 49 | 73.50 | 73.65 | 73.80 | 73.95 | 74.10 | 74.25 | 74.40 | 74.55 | 74.70 | 74.85 | 49 |
| 50 | 75.00 | 75.15 | 75.30 | 75.45 | 75.60 | 75.75 | 75.90 | 76.05 | 76.20 | 76.35 | 50 |

Computed by L. Leland Locke.

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ENGINEERING DEPARTMENT,  
CITY OF SAN DIEGO,  
CALIFORNIA.

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238.89  
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P=238.89

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