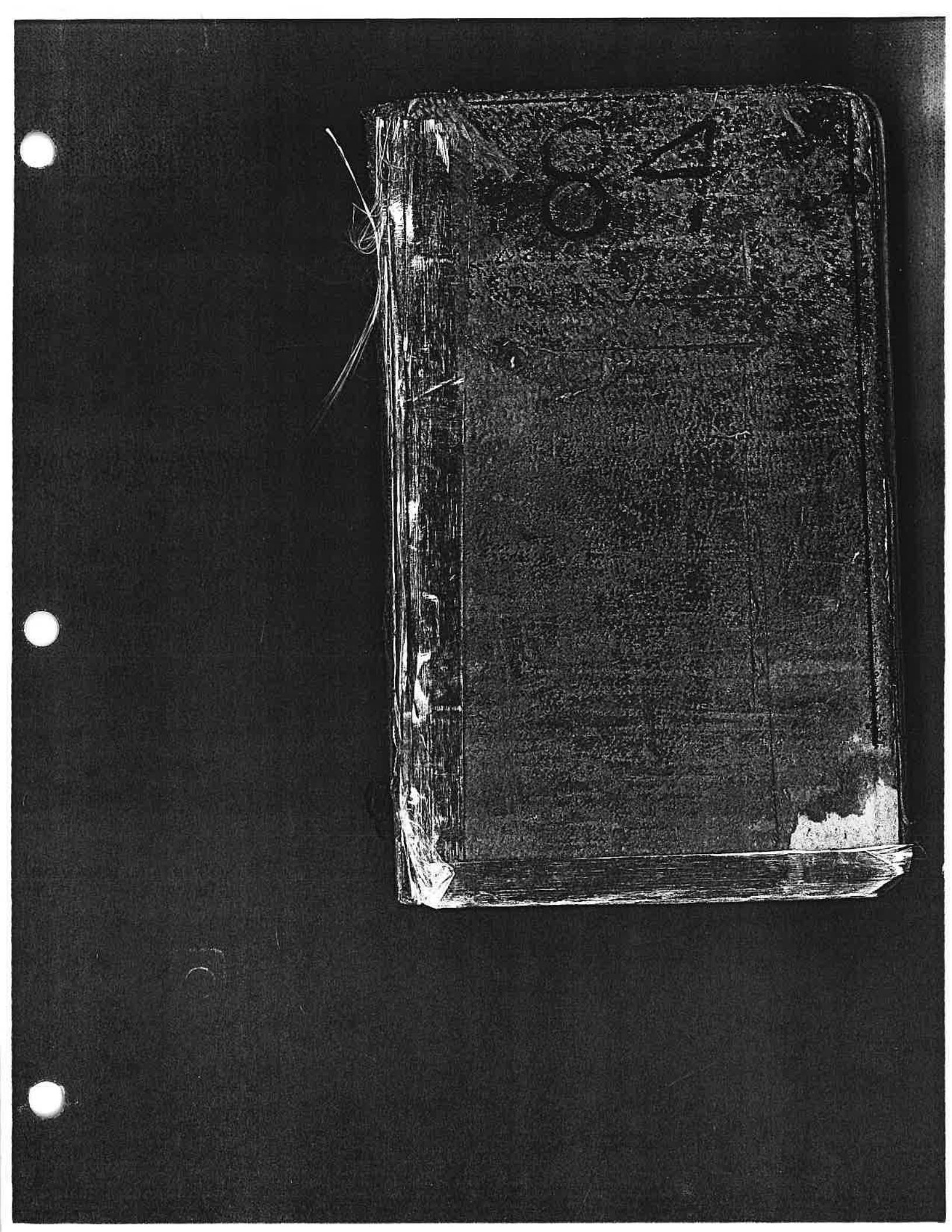
# Field Book #84



Brings
Cornet Bull Gang
McGrath

Page

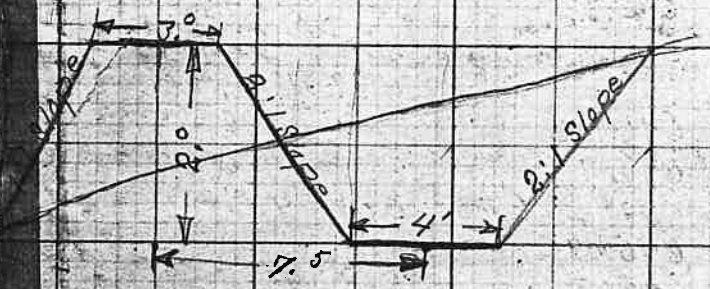

High Line Canal Location
from Sta 220+50 to Sta. 410+50 1—5

High Line Canal Profile
from Sta 140+00 to Sta 376+25,10—41

Profile of
Flume Line Blk 7 Plat I— 62

Profile of
Flume Line West Bdry Plat I-63

Location of High Line
Canal by Lot Lines 64-64-3




## High Line Canal

Grade .08 to 100

Flumes .125 to 100 for flumes over 100' long

Flumes under 100 ft long given .2 drop

Falling Contour run on 1.2 cut at center

# High Line Canal Location

Contd from Book 3 Page 59

| Sta. | Grade | BS | HI | FS | Elev |
|---|---|---|---|---|---|
| 220+50 | 646.79 | | | 4.13 | |
| 227+75 | 646.21 | | | 4.71 | |
| T.P. | | 1.74 | 649.74 | 9.12 | 648.00 |
| 228+00 | 646.19 | | | 8.36 | |
| 229+00 | 646.11 | | | 2.43 | |
| T.P. | | 2.45 | 650.59 | 1.60 | 648.14 |
| 229+25 | 646.09 | | | 3.30 | |
| 235+00 | 645.63 | | | 3.76 | |
| T.P. | | 3.95 | 651.49 | 3.05 | 647.54 |
| 235+25 | 645.61 | | | 4.68 | |
| 241+75 | 645.09 | | | 5.20 | |
| T.P. | | 2.23 | 651.10 | 2.62 | 648.87 |
| 242+00 | 645.07 | | | 4.83 | |
| 245+25 | 649.81 | | | 5.09 | |
| T.P. | | 7.53 | 654.49 | 4.14 | 646.96 |
| 246+50 | 644.79 | | | 8.50 | |
| 249+50 | 644.47 | | | 8.82 | |
| T.P. | | 7.88 | 654.20 | 8.17 | 646.32 |
| 249+75 | 649.46 | | | 8.50 | |
| 251+25 | 644.33 | | | 8.67 | |
| BM | | 4.72 | 648.34 | | 643.62 |
| 251+50 | 644.31 | | | 2.83 | |
| 257+00 | 643.87 | | | 3.27 | |
| T.P. | | 4.28 | 650.08 | 2.54 | 645.80 |
| 257+25 | 643.85 | | | 5.03 | |
| 264+00 | 643.31 | | | 2.57 | |
| T.P. | | 3.24 | 648.32 | 5.00 | 645.08 |
| 264+25 | 643.29 | Cut of 1.3 | | 3.73 | |
| 265+50 | 643.17 | | | 3.85 | |
| T.P. | | 3.77 | 648.82 | 3.20 | 645.12 |
| 265+75 | 643.15 | | | 4.44 | |

Billings
Cornet
Mc Grath

B.M. East of Sta. 228+25 Marked 647.10
Notch on Oak Tree

1

| Sta | Grade | B.S. | HI | FS | Flev |
|---|---|---|---|---|---|
| 271+25 | 642.71 | | 648.89 | 4.88 | |
| T.P. | | 7.10 | 651.79 | 4.20 | 644.69 |
| 271+50 | 642.69 | | | 7.80 | |
| 274+00 | 642.49 | | | 8.00 | |
| T.P | | 6.60 | 651.06 | 7.33 | 644.46 |
| 274+25 | 642.47 | | | 7.29 | |
| 282+00 | 641.85 | | | 7.91 | |
| T.P | | 2.67 | 646.44 | 7.29 | 643.77 |
| 282+25 | 641.83 | Cut of | 1.2 | 3.41 | |
| 288+00 | 641.37 | | | 3.87 | |
| T.P | | 2.63 | 646.03 | 3.04 | 643.40 |
| 288+25 | 641.35 | | | 3.48 | |
| 293+25 | 640.95 | | | 3.88 | |
| T.P | | 3.54 | 646.41 | 3.16 | 642.87 |
| 293+50 | 640.93 | | | 4.28 | |
| 294+75 | 640.83 | | | 4.38 | |
| T.P | | 2.65 | 647.67 | 1.39 | 645.02 |
| 295+00 | 640.81 | | | 5.66 | |
| 296+75 | 640.67 | | | 5.80 | |
| T.P | | 6.76 | 649.52 | 4.91 | 642.76 |
| 297+00 | 640.65 | | | 7.67 | |
| 298+50 | 640.53 | | | 7.79 | |
| 300+25 | 640.25 | | | 8.07 | |
| T.P. | | 4.41 | 646.61 | 7.32 | 642.20 |
| 301+00 | 640.22 | | | 5.19 | |
| 301+50 | 640.16 | | | 5.25 | |
| T.P | | 3.95 | 644.86 | 5.70 | 640.91 |
| 301+75 | 640.13 | | | 3.53 | |
| 302+50 | 640.04 | | | 3.62 | |
| T.P | | 5.89 | 647.73 | 3.02 | 641.84 |
| 302+75 | 640.00 | | | 6.63 | |

649.52 − 640.65 = 8.87 − 1.2 = 7.67

7.79 − 1.2 = 6.59

649.52 − 640.53 = 8.99

649.52 − 649.52 = 0.00

B.M. West of 292+00 Marked 637.80 (Hub)

Enter brush and small Fir trees

B.M. on Fir Tree at W. End of Flume Marked 644.95

East End of Flume } Bridge Work

West End of Flume }

Box Flume Starts Grade .125 ; 100

| Sta. | Grade | B.S. | H.I. | F.S. | Elev. |
|---|---|---|---|---|---|
| 308+75 | 639.88 | | 647.73 | 6.65 | |
| T.P. | | 4.82 | 646.59 | 5.96 | 641.77 |
| 304+00 | 639.85 | | | 5.54 | |
| 305+15 | 639.71 | | | 5.68 | |
| T.P. | | 2.71 | 644.82 | 4.48 | 642.11 |
| 305+50 | 639.67 | | | 3.95 | |
| +75 | 639.64 | | | 3.98 | |
| 306+60 | 639.44 | | | 4.18 | |
| 307+00 | 639.41 | | | 4.21 | |
| 308+00 | 639.33 | | | 4.29 | |
| T.P. | | 6.06 | 647.08 | 3.80 | 641.02 |
| 308+25 | 639.31 | | | 6.55 | |
| 309+00 | 639.25 | | | 6.61 | |
| T.P. | | 1.25 | 643.38 | 4.95 | 642.13 |
| 309+25 | 639.23 | | | 2.95 | |
| 310+75 | 639.11 | | | 3.07 | |
| T.P. | | 6.05 | 647.11 | 2.30 | 641.06 |
| 311+00 | 639.09 | | | 6.82 | |
| 313+25 | 638.91 | | | 7.00 | |
| T.P. | | 3.22 | 644.28 | 6.05 | 641.06 |
| 313+50 | 638.89 | | | 4.19 | |
| 313+50 | 638.73 | | | 4.36 | |
| T.P. | | 3.96 | 644.80 | 3.44 | 640.84 |
| 315+75 | 638.71 | | | 4.89 | |
| 321+00 | 638.29 | | | 5.31 | |
| T.P. | | 6.05 | 646.38 | 4.47 | 640.33 |
| 321+25 | 638.27 | | | 6.91 | |
| 329+25 | 637.63 | | | 7.55 | |
| T.P. | | 3.88 | 643.51 | 6.75 | 639.63 |
| 329+50 | 637.61 | | | 4.70 | |
| 330+50 | 637.05 | | | 5.26 | |
| T.P. | | 2.77 | 641.68 | 4.60 | 638.91 |

643.59 644.82 644.72
639.85 639.71 3.14
3.74 5.11 641.68
1.2 1.2
3.9 1
6.54

B.M. Fir Stump 641.68. to Right of line

Beginning of Bridge Flume.
End of Bridge Flume, Beginning of Earthwork

B.M. Left of Line on Tree 443.17

B.M. Marked 636.20 North of Sta 305+75

| Sta. | Grade | B.S. | H.I. | F.S. | Elev. |
|---|---|---|---|---|---|
| 336+75 | 637.03 | | 641.68 | 3.45 | |
| 339+00 | 636.85 | | | 3.63 | |
| T.P. | | 6.82 | 641.97 | 6.53 | 635.16 |
| 339+25 | 636.83 | | | 3.94 | |
| 343+75 | 636.47 | | | 4.30 | |
| T.P. | | 1.35 | 639.72 | 3.60 | 638.37 |
| 344+00 | 636.45 | | | 2.87 | |
| 354+50 | 635.61 | | | 2.91 | |
| T.P. | | 3.85 | 641.60 | 1.97 | 637.75 |
| +75 | 635.59 | | | 4.81 | |
| 357+00 | 635.41 | | | 4.99 | |
| T.P. | | 5.42 | 642.82 | 4.20 | 637.40 |
| +25 | 635.39 | | | 6.23 | |
| 365+00 | 634.77 | | | 6.85 | |
| T.P. | | 0.05 | 636.74 | 6.13 | 636.69 |
| +25 | 634.75 | | | 0.79 | |
| 366+25 | 634.67 | | | 0.87 | |
| T.P. | | 4.38 | 640.11 | 1.01 | 635.73 |
| +50 | 634.36 | | | 4.26 | |
| 373+25 | 634.11 | | | 4.80 | |
| T.P. | | 2.50 | 638.62 | 3.99 | 636.12 |
| +50 | 634.09 | | | 3.33 | |
| 376+25 | 633.87 | | | 3.56 | |
| B.M. | | 3.61 | 639.38 | | 635.77 |
| +50 | 633.85 | | | 4.33 | |
| 381+50 | 633.45 | | | 4.73 | |
| B.M. | | 1.14 | 636.91 | | 635.77 |
| 381+50 | 633.45 | | | 2.26 | |
| 388+00 | 632.93 | | | 2.78 | |
| T.P. | | 0.86 | 635.84 | 1.93 | 634.98 |
| +25 | 632.91 | | | 1.73 | |
| 392+25 | 632.59 | | | 2.08 | |

B.M. Top of Cedar Post - East side road & south of Canal. Marked 639.73

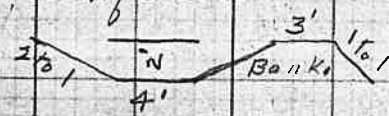
Road crossing - 40' box needed.

B.M. 641.38 on North side O. Post - 3rd post from Cor. - South of Sta 344.

B.M. East of Sta 349+25 Marked 634.62 Hub.

B.M. North of Sta. 355+75 Marked 630.64

B.M. 642.03 on Hub. 4 ft 358+75




366+30 - Draw - 24' Flume

B.M North Sta. 373+25 Marked 635.74 Oak Tree

376+50 West bdry. Platt

387+25

381+30 Draw - 16' Flume. change size of canal.

| Sta. | Grade | B.S. | HI | F.S. | Elev. |
|---|---|---|---|---|---|
| T.P. | | 1.68 | 636.32 | 1.20 | 634.64 |
| | | | | 2.55 | |
| 392+50 | 632.57 | | | 2.85 | |
| 396+25 | 632.27 | | | | |
| T.P. | | 0.26 | 634.55 | 2.03 | 634.29 |
| +50 | 632.25 | | | 1.10 | |
| 399+00 | 632.05 | | | 1.30 | |
| T.P. | | 3.12 | 637.22 | 0.46 | 634.10 |
| +25 | 632.03 | | | 3.99 | |
| 401+00 | 631.89 | | | 4.13 | |
| T.P. | | 3.72 | 637.60 | 3.34 | 633.88 |
| +25 | 631.87 | | | 4.53 | |
| 404+00 | 631.65 | | | 4.75 | |
| T.P. | | 4.84 | 638.58 | 3.86 | 633.74 |
| +25 | 631.63 | | | 5.75 | |
| 406+00 | 631.49 | | | 5.89 | |
| T.P. | | 4.13 | 637.52 | 5.09 | 633.49 |
| +25 | 631.47 | | | 4.85 | |
| 408+00 | 631.33 | | | 4.99 | |
| T.P. | | 3.57 | 636.70 | 4.39 | 633.13 |
| +25 | 631.31 | | | 4.19 | |
| 410+50 | 631.13 | | | 4.37 | |
| B.M. | | | | 6.59 | 630.11 |
| 415+00 | 630.77 | | | | |
| 420+00 | 630.37 | | | | |
| 424+50 | 630.01 | | | | |
| 427+00 | 629.81 | | | | |
| 430+00 | 629.57 | | | | |
| 435+00 | 629.17 | | | | |
| 440+00 | 628.77 | | | | |
| 445+00 | 628.37 | | | | |
| 447+50 | 628.17 | | | | |

394 Change in Vat. Antelope on upper side. change to 1½ to 1 upper side

B.M. on Hub Rt. 4. 397+35 - 639.69

415 - 630.77

426 629.89

441 - 628.45

B.M. on Hub 4-403+25 -642.11

458 - 627.33

B.M. on Hub 4. 406+50 - 641.93

466 - 626.69

B.M. on Top Cedar Post 4 ft Rt 410+50 - 635.68
west Bdry Plan I.

B.M. on Hub left 416+25 639.38

426+60 - Evans west Bdry.

" " to left B.M. on Hub 637.55

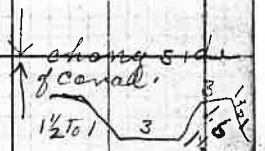
447+35 Division between Arahamboa C.S.

447+35 to left B.M. on Hub 637.84

| | |
|---|---|
| 450 | 627.97 |
| 454 | 627.65 |
| 456 | 627.49 |
| 458 | 627.33 |
| 460 | 627.17 |
| 466+25 | 626.67 / 623.56 |
| 472 | 623.20 |
| 477+25 | 622.78 |
| ~~483+75~~ | ~~622.26~~ |
| B.M. | |
| " " | |
| 480+00 | |
| 483+75 | 622.26 |
| 485 | 622.16 |

East Bdry. Plot N. = Plank. at top.
467+50 Flume on ground 78 ft long.
469+25 " overdraw. 26" "
470+75 " " " 105" "
479+50 " " " 16" "

629.80 Top of brace @ anchor post to left 469+25.
630.35 on Brace @ west brace post to left 479+50




change side slopes to 1 to 1

Pipe Line

June 18th 1912

| | |
|---|---|
| 490+60 | beginning of pipe - end of open ditch |
| 492+00 | cross the fence |
| 495+33 | cross fence to inside of field |
| 504+40 | cross fence to " " road. |
| 506+25 | cross fence to " " " |
| 528+56 | S.W. Cor. Blk. 2 - N. |

# Profile of High Line Canal

| Sta | B.S. | HI | F.S. | Elev. | T.P Elev. |
|---|---|---|---|---|---|
| B.M. | 4.95 | 660.36 | | | 655.41 |
| 140+00 | | | 5.58 | 654.8 | |
| +25 | | | 5.50 | 654.9 | |
| +50 | | | 5.63 | 654.7 | |
| +75 | | | 5.65 | 654.7 | |
| 141+00 | | | 5.15 | 655.20 | |
| +25 | | | 5.58 | 654.8 | |
| +50 | | | 5.55 | 654.8 | |
| +75 | | | 5.52 | 654.91 | |
| T.P. | 4.61 | 660.13 | 4.84 | | 655.52 |
| 142+00 | | | 5.46 | 654.7 | |
| +25 | | | 6.25 | 653.9 | |
| +50 | | | 6.20 | 653.9 | |
| +75 | | | 5.37 | 654.8 | |
| 143+00 | | | 5.73 | 654.4 | |
| +25 | | | 5.53 | 654.6 | |
| +50 | | | 5.77 | 654.4 | |
| +75 | | | 5.85 | 654.3 | |
| 144+00 | | | 5.61 | 654.5 | |
| +25 | | | 5.45 | 654.7 | |
| T.P. | 4.17 | 659.38 | 4.92 | | 655.21 |
| +50 | | | 4.69 | 654.7 | |
| +75 | | | 4.82 | 654.6 | |
| 145+00 | | | 4.74 | 654.6 | |
| +25 | | | 4.78 | 654.6 | |
| +50 | | | 4.75 | 654.6 | |
| +75 | | | 4.80 | 654.6 | |
| 146+00 | | | 4.92 | 654.5 | |
| +25 | | | 5.01 | 654.4 | |
| +50 | | | 5.00 | 654.4 | |
| T.P. | 5.08 | 660.60 | 3.86 | | 655.52 |
| +75 | | | 6.39 | 654.2 | |

5.08

Billings (T)
Cornet Rd

| Sta. | B.S. | H.I | F.S. | Elev. | T.P Elev. |
|---|---|---|---|---|---|
| 147+00 | | 660.60 | 6.30 | 654.3 | |
| +25 | | | 6.16 | 654.4 | |
| +50 | | | 6.36 | 654.2 | |
| +75 | | | 6.35 | 654.2 | |
| 148+00 | | | 6.40 | 654.2 | |
| +25 | | | 6.45 | 654.1 | |
| +50 | | | 6.50 | 654.1 | |
| +75 | | | 6.70 | 653.9 | |
| 149+00 | | | 6.40 | 654.2 | |
| +25 | | | 6.16 | 654.3 | |
| +50 | | | 6.65 | 653.9 | |
| +75 | | | 6.40 | 654.20 | |
| T.P. | 2.25 | 659.20 | 3.65 | | 656.95 |
| 150+00 | | | 5.09 | 654.1 | |
| +25 | | | 5.20 | 654.0 | |
| +50 | | | 5.24 | 654.0 | |
| +75 | | | 5.24 | 654.0 | |
| 151+00 | | | 5.31 | 6539 | |
| +25 | | | 5.20 | 654.0 | |
| +50 | | | 5.28 | 653.9 | |
| +75 | | | 5.33 | 653.9 | |
| 152+00 | | | 5.32 | 653.9 | |
| +25 | | | 5.37 | 653.8 | |
| T.P | 1.28 | 659.99 | 0.49 | | 658.71 |
| +50 | | | 6.07 | 653.9 | |
| +75 | | | 6.20 | 653.8 | |
| 153+00 | | | 6.23 | 653.8 | |
| +25 | | | 6.17 | 653.8 | |
| +50 | | | 6.21 | 653.8 | |
| +75 | | | 6.20 | 653.8 | |
| 154+00 | | | 6.26 | 653.7 | |
| 154+25 | | | 6.25 | 653.7 | |

| Sta. | BS. | HI. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| T.P. | 3.07 | 657.67 | 5.39 | | 654.60 |
| 154+50 | | | 3.95 | 653.7 | |
| +75 | | | 4.05 | 653.6 | |
| 155+00 | | | 4.08 | 653.6 | |
| +25 | | | 4.08 | 653.6 | |
| +50 | | | 4.07 | 653.6 | |
| +75 | | | 4.06 | 653.6 | |
| 156+00 | | | 4.10 | 653.6 | |
| +25 | | | 4.15 | 653.5 | |
| +50 | | | 4.17 | 653.5 | |
| +75 | | | 4.23 | 653.4 | |
| 157+00 | | | 4.13 | 653.5 | |
| +25 | | | 4.30 | 653.4 | |
| +50 | | | 4.33 | 653.3 | |
| 157+75 | | | 3.60 | 654.1 | |
| +85 | | | 5.90 | 652.8 | |
| +90 | | | 3.72 | 653.9 | |
| 158+00 | | | 4.30 | 653.4 | |
| +25 | | | 4.66 | 653.0 | |
| +50 | | | 4.40 | 653.3 | |
| +75 | | | 4.32 | 653.3 | |
| 159+00 | | | 4.50 | 653.2 | |
| +25 | | | 4.51 | 653.2 | |
| +50 | | | 4.46 | 653.2 | |
| +75 | | | 4.50 | 653.2 | |
| 160+00 | | | 4.54 | 653.1 | |
| T.P. | 2.86 | 657.07 | 3.46 | | 654.21 |
| +25 | | | 3.88 | 653.2 | |
| +50 | | | 3.90 | 653.2 | |
| +75 | | | 3.93 | 653.1 | |
| 161+00 | | | 3.85 | 653.2 | |
| +25 | | | 3.90 | 653.2 | |

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| + 50 | | 657.07 | 3.84 | 653.2 | |
| + 75 | | | 3.95 | 653.1 | |
| 162+00 | | | 4.16 | 652.9 | |
| +25 | | | 3.78 | 653.3 | |
| +50 | | | 4.00 | 653.1 | |
| +75 | | | 4.09 | 653.0 | |
| 163+00 | | | 3.99 | 653.1 | |
| B.M. | 4.18 | 657.12 | | | 652.94 |
| +25 | | | 4.20 | 652.9 | |
| +50 | | | 4.09 | 653.0 | |
| +75 | | | 4.20 | 652.9 | |
| 164+00 | | | 4.30 | 652.8 | |
| +25 | | | 4.35 | 652.8 | |
| +50 | | | 4.80 | 652.3 | |
| +75 | | | 5.00 | 652.1 | |
| 165+00 | | | 4.20 | 652.9 | |
| +25 | | | 4.38 | 652.7 | |
| +50 | | | 4.45 | 652.7 | |
| +75 | | | 4.55 | 652.6 | |
| 166+00 | | | 4.53 | 652.6 | |
| +25 | | | 4.49 | 652.6 | |
| +50 | | | 4.20 | 652.9 | |
| +75 | | | 4.75 | 652.4 | |
| 167+00 | | | 4.75 | 652.4 | |
| +25 | | | 4.81 | 652.3 | |
| +50 | | | 4.72 | 652.4 | |
| +75 | | | 4.48 | 652.6 | |
| 168+00 | | | 4.13 | 653.0 | |
| +25 | | | 4.40 | 652.7 | |
| +50 | | | 4.31 | 652.8 | |
| +75 | | | 5.25 | 652.9 | |
| +90 | | | 4.36 | 652.8 | |

| Sta | B.S. | H I | F.S. | Elev | T.P. Elev. |
|---|---|---|---|---|---|
| 169+00 | | 657.12 | 4.49 | 652.6 | |
| +15 | | | 11.65 | 645.5 | |
| +35 | | | 4.61 | 652.5 | |
| +75 | | | 4.90 | 652.2 | |
| 170+00 | | | 4.90 | 652.2 | |
| +26 | | | 5.04 | 652.1 | |
| +50 | | | 4.81 | 652.3 | |
| +75 | | | 4.65 | 652.5 | |
| 171+00 | | | 4.10 | 653.0 | |
| +25 | | | 4.83 | 652.3 | |
| +50 | | | 4.65 | 652.5 | |
| +75 | | | 5.07 | 652.1 | |
| 172+00 | | | 4.94 | 652.2 | |
| +25 | | | 4.96 | 652.2 | |
| +50 | | | 4.87 | 652.3 | |
| +76 | | | 5.20 | 651.9 | |
| 173+00 | | | 5.20 | 651.9 | |
| +25 | | | 5.26 | 651.9 | |
| +50 | | | 5.18 | 652.0 | |
| +75 | | | 5.38 | 652.7 | |
| 174+00 | | | 5.45 | 651.7 | |
| +25 | | | 4.95 | 652.2 | |
| +50 | | | 5.16 | 652.0 | |
| +75 | | | 5.43 | 651.71 | |
| T.P. | 2.72 | 655.53 | 4.31 | | 652.81 |
| 175+00 | | | 3.88 | 651.6 | |
| +25 | | | 3.55 | 652.0 | |
| +50 | | | 3.45 | 652.1 | |
| +75 | | | 3.80 | 652.7 | |
| 176+00 | | | 3.35 | 652.2 | |
| +25 | | | 4.20 | 651.3 | |
| +50 | | | 3.61 | 651.9 | |

North Bank
Centerline
South Bank

Creek

| Sta. | B.S. | HI | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| | | 655.53 | | | |
| 175 | | | 3.26 | 652.3 | |
| 177+00 | | | 3.55 | 652.0 | |
| +25 | | | 3.57 | 652.0 | |
| +50 | | | 4.40 | 651.1 | |
| +75 | | | 3.80 | 651.7 | |
| 178+00 | | | 3.76 | 651.8 | |
| +25 | | | 3.62 | 651.9 | |
| +50 | | | 4.11 | 651.4 | |
| +75 | | | 4.07 | 651.5 | |
| 179+00 | | | 4.09 | 651.4 | |
| +25 | | | 4.10 | 651.4 | |
| +50 | | | 4.12 | 651.4 | |
| +75 | | | 4.10 | 651.4 | |
| 180+00 | | | 3.95 | 651.6 | |
| +25 | | | 4.15 | 651.4 | |
| +50 | | | 4.05 | 651.5 | |
| +75 | | | 3.60 | 651.93 | |
| T.P. | 2.89 | 655.47 | 2.95 | | 652.58 |
| 181+00 | | | 4.16 | 651.3 | |
| +05 | | | 7.44 | 648.0 | |
| +15 | | | 3.50 | 652.0 | |
| +25 | | | 3.60 | 651.9 | |
| +50 | | | 3.71 | 651.8 | |
| +75 | | | 3.66 | 651.8 | |
| 182+00 | | | 3.60 | 651.9 | |
| +25 | | | 4.11 | 651.4 | |
| +50 | | | 4.30 | 651.2 | |
| +75 | | | 4.20 | 651.3 | |
| 183+00 | | | 4.30 | 651.2 | |
| +25 | | | 4.30 | 651.2 | |
| +50 | | | 4.38 | 651.2 | |
| +75 | | | 4.35 | 651.1 | |

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| 184+00 | | 655.47 | 4.21 | 651.3 | |
| +25 | | | 4.35 | 651.1 | |
| +50 | | | 4.40 | 651.1 | |
| +75 | | | 4.45 | 651.0 | |
| 185+00 | | | 4.45 | 651.0 | |
| +25 | | | 4.20 | 651.3 | |
| +50 | | | 4.52 | 650.9 | |
| +75 | | | 4.50 | 650.97 | |
| 186+00 | | | 4.64 | 650.7 | |
| +25 | | | 4.71 | 650.8 | |
| +50 | | | 4.85 | 650.62 | |
| T.P. | 4.72 | 656.19 | 4.00 | | 651.47 |
| +75 | | | 5.36 | 650.8 | |
| 187+00 | | | 5.38 | 650.8 | |
| +25 | | | 5.68 | 650.5 | |
| +50 | | | 5.46 | 650.7 | |
| +75 | | | 5.38 | 650.8 | |
| 188+00 | | | 5.52 | 650.7 | |
| +25 | | | 5.52 | 650.7 | |
| +50 | | | 5.46 | 650.7 | |
| +75 | | | 4.92 | 651.3 | |
| 189+00 | | | 4.65 | 651.5 | |
| +25 | | | 4.15 | 652.0 | |
| +50 | | | 3.90 | 652.3 | |
| +75 | | | 3.80 | 652.4 | |
| 190+00 | | | 4.10 | 652.1 | |
| +25 | | | 4.68 | 651.6 | |
| +50 | | | 4.76 | 651.4 | |
| +75 | | | 5.55 | 650.6 | |
| 191+00 | | | 5.75 | 650.4 | |
| +25 | | | 5.40 | 650.7 | |
| +50 | | | 5.58 | 650.6 | |

| Sta. | BS. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| | | 656.19 | | | |
| +75 | | | 6.00 | 650.2 | |
| 192+00 | | | 5.70 | 650.5 | |
| +25 | | | 5.96 | 650.2 | |
| +50 | | | 5.30 | 650.8 | |
| +75 | | | 5.22 | 651.0 | |
| 193+00 | | | 4.95 | 651.2 | |
| +25 | | | 5.40 | 650.8 | |
| +50 | | | 5.46 | 650.7 | |
| +75 | | | 5.86 | 650.3 | |
| 194+00 | | | 5.85 | 650.3 | |
| +25 | | | 6.17 | 650.0 | |
| +50 | | | 5.85 | 650.3 | |
| +75 | | | 6.07 | 650.5 | |
| 195+00 | | | 5.87 | 650.3 | |
| +25 | | | 5.90 | 650.3 | |
| T.P. | 2.99 | 653.22 | 5.96 | | 650.23 |
| +50 | | | 2.96 | 650.3 | |
| +75 | | | 2.88 | 650.3 | |
| 196+00 | | | 2.75 | 650.5 | |
| +15 | | | 6.02 | 647.2 | |
| +25 | | | 4.35 | 648.9 | |
| +50 | | | 3.80 | 649.4 | |
| +75 | | | 3.26 | 650.0 | |
| 197+00 | | | 3.57 | 649.6 | |
| +25 | | | 3.85 | 649.9 | |
| +50 | | | 3.46 | 649.9 | |
| +75 | | | 3.59 | 649.6 | |
| 198+00 | | | 3.35 | 649.9 | |
| +25 | | | 3.20 | 650.0 | |
| +50 | | | 3.06 | 650.2 | |
| +75 | | | 3.30 | 649.9 | |
| 199+00 | | | 2.98 | 650.2 | |

← Creek

| Sta. | B.S. | H.I | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| 1+25 | | 653.82 | 3.01 | 650.2 | |
| +50 | | | 3.24 | 650.0 | |
| +75 | | | 3.35 | 649.9 | |
| 200+00 | | | 3.44 | 649.8 | |
| +25 | | | | 630.2 | |
| +35 | | | | 630.2 | |
| B.M. | 4.92 | 653.67 | | | 648.75 |
| 200+60 | | | 4.18 | 649.5 | |
| 201+00 | | | 3.98 | 649.7 | |
| +25 | | | 4.20 | 649.5 | |
| +50 | | | 4.35 | 649.3 | |
| +75 | | | 4.40 | 649.3 | |
| 202+00 | | | 4.52 | 649.2 | |
| +25 | | | 4.35 | 649.3 | |
| +50 | | | 3.75 | 649.9 | |
| +75 | | | 3.71 | 650.0 | |
| 203+00 | | | 3.91 | 649.8 | |
| +25 | | | 3.92 | 649.8 | |
| +50 | | | 4.50 | 649.2 | |
| +75 | | | 4.37 | 649.3 | |
| 204+00 | | | 4.15 | 649.5 | |
| +25 | | | 3.86 | 649.8 | |
| +50 | | | 4.05 | 649.6 | |
| +75 | | | 3.91 | 649.8 | |
| 205+00 = ROG+00 | | | 4.95 | 649.7 | |
| 206+5 | | | 5.70 | 648.0 | |
| +10 | | | 5.03 | 648.6 | |
| +25 | | | 4.80 | 649.1 | |
| +50 | | | 4.33 | 649.3 | |
| +75 | | | 4.57 | 649.1 | |
| 207+00 | | | 4.55 | 649.1 | |

Beginning of Flume

Creek

End of Flume

Line shortened 100.° when straightened

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P Elev. |
|---|---|---|---|---|---|
| 207+25 | " | 653.67 | 4.61 | 649.1 | |
| +50 | | | 4.45 | 649.2 | |
| +75 | | | 4.75 | 648.9 | |
| 208+00 | | | 4.85 | 648.8 | |
| +25 | | | 4.58 | 649.1 | |
| +50 | | | 4.66 | 649.0 | |
| +75 | | | 4.71 | 649.0 | |
| 209+00 | | | 4.75 | 648.9 | |
| +25 | | | 4.80 | 648.9 | |
| +50 | | | 4.90 | 648.8 | |
| +75 | | | 4.45 | 649.2 | |
| 210+00 | | | 4.41 | 649.26 | |
| T.P | 3.26 | 653.38 | 3.55 | | 650.12 |
| +25 | | | 4.15 | 649.2 | |
| +50 | | | 4.65 | 648.7 | |
| +75 | | | 4.75 | 648.6 | |
| 211+00 | | | 4.68 | 648.7 | |
| +25 | | | 4.70 | 648.7 | |
| +50 | | | 4.68 | 648.7 | |
| +75 | | | 4.55 | 648.8 | |
| 212+00 | | | 4.75 | 648.6 | |
| +25 | | | 4.65 | 648.7 | |
| +50 | | | 4.55 | 648.8 | |
| +75 | | | 4.81 | 648.6 | |
| 213+00 | | | 4.77 | 648.6 | |
| +25 | | | 4.80 | 648.6 | |
| +50 | | | 4.64 | 648.7 | |
| +75 | | | 4.65 | 648.7 | |
| 214+00 | | | 4.85 | 648.5 | |
| +25 | | | 5.05 | 648.3 | |
| +50 | | | 4.95 | 648.4 | |
| +75 | | | 4.75 | 648.6 | |

| Sta. | BS | H.I | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| 215+00 | | 653.38 | 4.31 | 648.0 | |
| +25 | | | 4.05 | 649.3 | |
| +50 | | | 4.80 | 648.6 | |
| +75 | | | 4.95 | 648.4 | |
| 216+00 | | | 4.95 | 648.4 | |
| +25 | | | 4.90 | 648.5 | |
| +50 | | | 4.95 | 648.4 | |
| +75 | | | 5.15 | 648.2 | |
| 217+00 | | | 5.10 | 648.3 | |
| 217+25 | | | 4.57 | 648.8 | |
| +50 | | | 3.85 | 649.5 | |
| +75 | | | 4.85 | 648.5 | |
| 218+00 | | | 4.65 | 648.7 | |
| +25 | | | 4.85 | 648.5 | |
| +40 | | | 12.50 | 640.9 | |
| +50 | | | 4.00 | 649.4 | |
| +75 | | | 4.05 | 649.3 | |
| T.P. 218+50 | 2.76 | 652.84 | 3.30 | | 650.08 |
| 219+25 = | | | 4.45 | 648.4 | |
| 218+75 | | | 4.60 | 648.3 | |
| 219+00 | | | 4.80 | 648.0 | |
| +25 | | | 4.80 | 648.0 | |
| +50 | | | 4.49 | 648.4 | |
| +75 | | | 4.80 | 648.0 | |
| 220+00 | | | 4.80 | 648.0 | |
| +25 | | | 4.26 | 648.6 | |
| +50 | | | 4.84 | 648.0 | |
| +75 | | | 4.85 | 648.0 | |
| 221+00 | | | 4.95 | 647.9 | |
| +25 | | | 4.90 | 647.9 | |
| +50 | | | 4.90 | 647.9 | |
| +75 | | | 4.68 | 648.2 | |

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| 222+00 | | 652.84 | 5.05 | 647.8 | |
| +25 | | | 5.10 | 647.7 | |
| +50 | | | 4.89 | 648.0 | |
| +75 | | | 5.05 | 647.8 | |
| 223+00 | | | 5.07 | 647.8 | |
| +25 | | | 5.08 | 647.8 | |
| +50 | | | 5.10 | 647.7 | |
| +75 | | | 5.05 | 647.8 | |
| 224+00 | | | 5.10 | 647.7 | |
| +25 | | | 5.00 | 647.8 | |
| +50 | | | 4.96 | 647.9 | |
| +75 | | | 5.08 | 647.8 | |
| 225+00 | | | 5.20 | 647.6 | |
| +25 | | | 5.45 | 647.4 | |
| +50 | | | 5.15 | 647.7 | |
| +75 | | | 5.50 | 647.3 | |
| 226+00 | | | 5.80 | 647.0 | |
| +25 | | | 5.23 | 647.6 | |
| +50 | | | 4.96 | 647.9 | |
| +75 | | | 5.10 | 647.8 | |
| 227+00 | | | 5.30 | 647.5 | |
| +25 | | | 5.20 | 647.6 | |
| +50 | | | 5.28 | 647.6 | |
| B.M. | 5.60 | 652.70 | | | 647.10 |
| 227+65 | | | 4.30 | 648.4 | |
| 228+00 | | | 5.05 | 647.7 | |
| +25 | | | 4.87 | 647.9 | |
| +50 | | | 4.40 | 648.3 | |
| +75 | | | 4.40 | 648.3 | |
| 229+00 | | | 5.00 | 647.7 | |
| +25 | | | 4.75 | 648.0 | |
| +50 | | | 21.61 | 648.1 | |

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| 229+75 | | 652.70 | 4.43 | 648.3 | |
| 230+00 | | | 5.20 | 647.5 | |
| +5 | | | 9.32 | 643.4 | |
| +10 | | | 5.05 | 647.7 | |
| +25 | | | 4.80 | 647.9 | |
| +50 | | | 4.98 | 647.7 | |
| +75 | | | 5.18 | 647.5 | |
| 231+00 | | | 5.36 | 647.3 | |
| +25 | | | 5.37 | 647.3 | |
| +50 | | | 5.60 | 647.1 | |
| +75 | | | 5.96 | 646.7 | |
| 232+00 | | | 5.46 | 647.2 | |
| +25 | | | 5.25 | 647.5 | |
| +50 | | | 5.67 | 647.0 | |
| +75 | | | 5.45 | 647.3 | |
| 233+00 | | | 5.65 | 647.1 | |
| +25 | | | 5.20 | 647.5 | |
| +50 | | | 5.36 | 647.3 | |
| +75 | | | 6.05 | 646.7 | |
| 234+00 | | | 5.72 | 647.0 | |
| +25 | | | 5.07 | 647.6 | |
| +50 | | | 5.38 | 647.3 | |
| +75 | | | 5.55 | 647.1 | |
| 235+00 | | | 5.85 | 647.9 | |
| T.P. | 4.06 | 651.69 | 5.07 | | 647.63 |
| 235+25 | | | 5.10 | 646.5 | |
| +50 | | | 5.10 | 646.5 | |
| +75 | | | 5.10 | 646.5 | |
| 236+00 | | | 5.35 | 646.3 | |
| +25 | | | 5.15 | 646.5 | |
| +50 | | | 4.96 | 646.7 | |
| +75 | | | 4.15 | 647.5 | |

| Sta | B.S. | H.I. | F.S. | Elev. | T.P Elev. |
|---|---|---|---|---|---|
| 237+00 | | 651.69 | 4.53 | 647.2 | |
| +25 | | | 5.16 | 646.5 | |
| +50 | | | 5.83 | 645.9 | |
| +75 | | | 5.15 | 646.5 | |
| 238+00 | | | 4.86 | 646.8 | |
| +25 | | | 4.26 | 647.4 | |
| +50 | | | 3.80 | 647.9 | |
| +75 | | | 3.90 | 647.8 | 26 |
| 239+00 | | | 4.34 | 647.3 | |
| +25 | | | 4.50 | 647.2 | |
| +50 | | | 4.90 | 646.8 | |
| +75 | | | 5.01 | 646.7 | |
| 240+00 | | | 5.06 | 646.6 | |
| +25 | | | 4.60 | 647.1 | |
| +50 | | | 4.96 | 646.7 | |
| +75 | | | 5.30 | 646.4 | |
| 241+00 | | | 5.27 | 646.4 | |
| +25 | | | 4.90 | 646.8 | |
| +50 | | | 5.35 | 646.3 | |
| +75 | | | 5.42 | 646.3 | |
| BM. | 1.53 | 650.53 | | | 649.00 |
| 242+00 | | | 4.03 | 646.5 | |
| +25 | | | 4.10 | 646.4 | |
| +50 | | | 4.25 | 646.3 | |
| +75 | | | 4.15 | 646.4 | |
| 243+00 | | | 3.96 | 646.6 | |
| +25 | | | 4.24 | 646.3 | |
| +50 | | | 4.16 | 646.4 | |
| +75 | | | 4.21 | 646.3 | |
| 244+00 | | | 4.10 | 646.4 | |
| +25 | | | 4.36 | 646.2 | |
| +50 | | | 4.27 | 646.3 | |

| Sta. | BS | H.I. | F.S. | Elev. | TP Elev. |
|---|---|---|---|---|---|
| +75 | | 650.53 | 4.15 | 646.4 | |
| 245+00 | | | 4.05 | 646.5 | |
| 245+25 | | | 4.17 | 646.4 | 1.6 |
| BM | 8.76 | 658.38 | | | 649.62 |
| 245+50 | | | 6.25 | 646.1 | |
| +75 | | | 5.20 | 647.2 | |
| 246+00 | | | 4.30 | 648.1 | |
| +25 | | | 4.94 | 647.4 | |
| +50 | | | 5.30 | 647.1 | |
| +75 | | | 5.34 | 647.0 | |
| 247+00 | | | 5.52 | 646.9 | |
| +25 | | | 5.72 | 646.7 | |
| +50 | | | 5.90 | 646.5 | |
| +75 | | | 6.68 | 645.7 | |
| 248+00 | | | 5.15 | 647.2 | |
| +25 | | | 4.55 | 647.8 | |
| +50 | | | 6.50 | 644.9 | |
| +60 | | | 9.75 | 642.6 | |
| +75 | | | 5.80 | 646.6 | |
| 249+00 | | | 5.88 | 646.5 | |
| +20 | | | 6.10 | 646.3 | |
| +50 | | | 6.78 | 645.6 | |
| BM | 7.55 | 651.17 | | | 643.62 |
| +75 | | | 4.16 | 647.0 | |
| 250+00 | | | 5.15 | 646.0 | |
| +25 | | | 5.50 | 645.7 | |
| +50 | | | 5.20 | 646.0 | |
| +75 | | | 5.06 | 646.1 | |
| 251+00 | | | 5.20 | 646.0 | |
| +25 | | | 5.39 | 645.9 | |
| +50 | | | 5.71 | 645.5 | |
| +75 | | | 5.58 | 645.6 | |

| Sta. | B.S. | HI | F.S. | Elev. | T.P Elev |
|---|---|---|---|---|---|
| 252+00 | | 651.17 | 5.66 | 645.5 | |
| +25 | | | 5.55 | 645.6 | |
| T.P | 3.09 | 650.26 | 4.00 | | 647.17 |
| +50 | | | 4.50 | 645.8 | |
| +75 | | | 3.90 | 646.4 | |
| 253+00 | | | 4.05 | 646.2 | |
| +25 | | | 4.35 | 645.9 | |
| +50 | | | 5.21 | 645.0 | |
| +75 | | | 5.10 | 45.2 | |
| 254+00 | | | 5.01 | 45.3 | |
| +25 | | | 5.21 | 45.1 | |
| +50 | | | 4.90 | 45.4 | |
| +75 | | | 4.34 | 46.0 | |
| 255+00 | | | 4.30 | 46.0 | |
| +25 | | | 4.80 | 45.5 | |
| +50 | | | 4.76 | 45.5 | |
| +75 | | | 5.04 | 45.2 | |
| 256+00 | | | 4.77 | 45.5 | |
| +25 | | | 4.60 | 45.7 | |
| +50 | | | 4.89 | 45.4 | |
| +75 | | | 4.95 | 45.3 | |
| 257+00 | | | 4.89 | 45.4 | |
| +25 | | | 5.03 | 45.2 | |
| +50 | | | 4.83 | 45.4 | |
| +75 | | | 4.90 | 45.4 | |
| 258+00 | | | 4.50 | 45.8 | |
| +25 | | | 4.50 | 45.8 | |
| +50 | | | 6.20 | 44.1 | |
| +75 | | | 4.80 | 645.6 | |
| T.P. | 8.40 | 649.53 | 9.13 | ~~40.4~~ | 641.13 |
| 259+00 | | | 4.15 | 45.4 | |
| +25 | | | 3.90 | 45.6 | |

| Sta | BS. | HI | FS | Elev. | T.P Elev. |
|---|---|---|---|---|---|
| +50 | | 649.53 | 4.70 | 44.8 | |
| +75 | | | 4.68 | 44.8 | |
| 260+00 | | | 5.10 | 44.4 | |
| +25 | | | 4.78 | 44.8 | |
| +50 | | | 4.54 | 45.0 | |
| +75 | | | 4.44 | 45.1 | |
| 261+00 | | | 4.75 | 44.8 | |
| +25 | | | 4.41 | 45.1 | |
| +50 | | | 4.21 | 45.3 | |
| +75 | | | 4.78 | 44.7 | |
| 262+00 | | | 4.85 | 44.7 | |
| +25 | | | 3.92 | 45.6 | |
| +50 | | | 3.85 | 45.7 | |
| +75 | | | 4.33 | 45.2 | |
| 263+00 | | | 4.42 | 45.1 | |
| +25 | | | 4.86 | 44.7 | |
| +50 | | | 4.60 | 44.9 | |
| +75 | | | 4.85 | 44.7 | |
| 264+00 | | | 4.82 | 44.7 | |
| +25 | | | 4.34 | 45.2 | |
| +50 | | | 4.85 | 44.7 | |
| T.P | 4.05 | 650.79 | 2.79 | | 646.74 |
| +75 | | | 5.95 | 44.8 | |
| 265+00 | | | 5.86 | 44.9 | |
| +25 | | | 5.64 | 45.2 | |
| +50 | | | 5.70 | 45.1 | |
| +75 | | | 5.82 | 45.0 | |
| 266+00 | | | 5.50 | 45.3 | |
| +25 | | | 5.79 | 45.0 | |
| +50 | | | 6.05 | 44.7 | |
| +75 | | | 6.37 | 44.4 | |
| 267+00 | | | 6.28 | 44.6 | |

| Sta. | BS | H.I. | FS. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| | | 650.79 | | | |
| +25 | | | 6.23 | 44.6 | |
| +50 | | | 6.40 | 44.4 | |
| +75 | | | 6.17 | 44.6 | |
| 268+00 | | | 6.05 | 44.7 | |
| +25 | | | 6.24 | 44.5 | |
| +50 | | | 6.13 | 44.7 | |
| +75 | | | 6.15 | 44.6 | |
| 269+00 | | | 6.39 | 44.4 | |
| +25 | | | 6.60 | 44.2 | |
| +50 | | | 6.35 | 44.4 | |
| +75 | | | 6.27 | 44.5 | |
| 270+00 | | | 6.50 | 44.3 | |
| +25 | | | 6.36 | 44.4 | |
| +50 | | | 6.33 | 44.5 | |
| +75 | | | 6.45 | 44.3 | |
| 271+00 | | | 6.55 | 44.2 | |
| +25 | | | 6.57 | 44.2 | |
| +50 | | | 6.81 | 644.0 | |
| T.P. | 6.35 | 651.03 | 6.11 | | 644.68 |
| +75 | | | 6.70 | 44.3 | |
| 272+00 | | | 7.06 | 43.9 | |
| +25 | | | 6.61 | 44.4 | |
| +50 | | | 6.38 | 44.6 | |
| +75 | | | 7.10 | 43.9 | |
| 273+00 | | | 7.10 | 43.9 | |
| +25 | | | 7.10 | 43.9 | |
| +50 | | | 7.16 | 43.8 | |
| +75 | | | 7.23 | 643.8 | |
| T.P. | 5.40 | 651.91 | 4.58 | | 646.51 |
| 274+00 | | S1 | 8.10 | 43.8 | |
| +25 | | | 8.11 | 43.8 | |
| +50 | | | 7.68 | 44.2 | |

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| +75 | | 651.91 | 7.70 | 44.2 | |
| 275+00 | | | 7.94 | 44.0 | |
| +25 | | | 7.90 | 44.0 | |
| +50 | | | 7.97 | 43.9 | |
| +75 | | | 8.02 | 43.9 | |
| 276+00 | | | 7.75 | 44.2 | |
| +25 | | | 8.24 | 43.7 | |
| +50 | | | 7.91 | 44.0 | |
| +75 | | | 7.91 | 44.0 | |
| 277+00 | | | 8.03 | 43.9 | |
| +25 | | | 8.17 | 43.7 | |
| +50 | | | 8.15 | 43.7 | |
| +75 | | | 7.66 | 44.2 | |
| 278+00 | | | 7.91 | 44.0 | |
| +25 | | | 8.45 | 43.4 | |
| +50 | | | 10.71 | 41.2 | |
| +60 | | | 9.35 | 42.5 | |
| 75 | | | 8.36 | 43.5 | |
| 279+00 | | | 7.80 | 44.1 | |
| +25 | | | 7.68 | 44.2 | |
| +35 | | | 9.58 | 42.3 | |
| +50 | | | 8.10 | 43.8 | |
| +75 | | | 7.70 | 44.2 | |
| 280+00 | | | 9.90 | 42.0 | |
| +10 | | | 13.80 | 38.1 | |
| +25 | | | 8.64 | 43.3 | |
| +50 | | | 8.63 | 43.3 | |
| +75 | | | 8.66 | 43.2 | |
| 281+00 | | | 7.92 | 44.0 | |
| +25 | | | 8.70 | 43.2 | |
| +50 | | | 8.74 | 43.2 | |
| +75 | | | 8.75 | 43.1 | |

} Flume

| Sta. | B.S. | H.I | F.S. | Elev. | T.P Elev. |
|---|---|---|---|---|---|
| 282+00 | | 651.91 | 8.57 | 643.3 | |
| T.P. | 2.71 | 646.73 | 7.89 | | 644.02 |
| +25 | | | 3.50 | 43.2 | |
| +50 | | | 3.52 | 43.2 | |
| +75 | | | 3.11 | 43.6 | |
| 283+00 | | | 3.57 | 43.1 | |
| +25 | | | 3.55 | 43.2 | |
| +50 | | | 3.53 | 43.2 | |
| +75 | | | 3.58 | 43.1 | |
| 284+00 | | | 3.59 | 43.1 | |
| +25 | | | 2.97 | 43.7 | |
| +50 | | | 3.71 | 43.0 | |
| +75 | | | 3.76 | 43.0 | |
| 285+00 | | | 3.74 | 43.0 | |
| +25 | | | 3.54 | 43.2 | |
| +50 | | | 3.67 | 43.0 | |
| +75 | | | 3.68 | 43.0 | |
| 286+00 | | | 3.87 | 42.9 | |
| +25 | | | 3.66 | 43.1 | |
| +50 | | | 3.73 | 43.0 | |
| +75 | | | 3.60 | 43.1 | |
| 287+00 | | | 4.05 | 42.7 | |
| +25 | | | 3.60 | 43.1 | |
| +50 | | | 3.30 | 43.4 | |
| +75 | | | 3.64 | 43.1 | |
| +85 | | | 6.46 | 40.3 | |
| 288+00 | | | 3.76 | 43.0 | |
| +25 | | | 3.86 | 43.5 | |
| +50 | | | 3.98 | 42.7 | |
| +75 | | | 4.20 | 42.5 | |
| 289+00 | | | 3.46 | 43.3 | |
| +85 | | | 3.82 | 42.9 | |

| Sta. | B.S. | HI | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| | | 646.73 | | | |
| +50 | | | 4.05 | 42.7 | |
| +75 | | | 4.53 | 42.2 | |
| 290+00 | | | 4.30 | 642.4 | |
| +25 | | | 4.45 | 642.3 | |
| T.P. | 2.76 | 645.89 | 3.60 | | 643.13 |
| +50 | | | 3.38 | 42.5 | |
| +75 | | | 3.46 | 42.4 | |
| 291+00 | | | 3.10 | 42.8 | |
| +25 | | | 3.25 | 42.6 | |
| +50 | | | 3.54 | 42.4 | |
| +75 | | | 3.25 | 42.6 | |
| 292+00 | | | 3.45 | 42.4 | |
| +25 | | | 3.87 | 42.0 | |
| +50 | | | 3.20 | 42.7 | |
| +70 | | | 6.40 | 39.5 | |
| +75 | | | 2.42 | 43.5 | |
| 293+00 | | | 3.26 | 42.6 | |
| +25 | | | 3.57 | 42.3 | |
| +50 | | | 3.57 | 42.3 | |
| +75 | | | 3.58 | 642.3 | |
| T.P. | 2.07 | 645.73 | 2.23 | | 643.66 |
| 294+00 | | | 3.20 | 42.5 | |
| +25 | | | 3.50 | 42.2 | |
| +50 | | | 3.25 | 42.5 | |
| +75 | | | 3.08 | 42.6 | |
| 295+00 | | | 3.00 | 42.7 | |
| +25 | | | 3.36 | 42.3 | |
| +50 | | | 3.37 | 42.3 | |
| +73 | | | 3.33 | 642.4 | |
| T.P. | 7.46 | 650.87 | 2.32 | | 643.41 |
| 296+00 | | | 8.39 | 42.5 | |
| +25 | | | 8.72 | 42.2 | |

640.4

645.89
.06
643.83

744

| Sta. | BS. | H.I. | F.S. | Elev. | TP Elev. |
|---|---|---|---|---|---|
| | | 650.87 | | | |
| +50 | | | 8.52 | 42.4 | |
| +75 | | | 8.90 | 42.0 | |
| 297+00 | | | 8.64 | 42.2 | |
| +25 | | | 8.35 | 42.5 | |
| +50 | | | 8.45 | 42.4 | |
| +75 | | | 8.75 | 42.1 | |
| 298+00 | | | 8.95 | 41.9 | |
| +25 | | | 8.50 | 42.4 | |
| +50 | | | 8.71 | 642.2 | |
| +60 | | | | 639.2 | |
| +70 | | | | 635.7 | |
| +80 | | | | 631.6 | |
| +90 | | | | 626.9 | |
| 299+00 | | | | 622.4 | |
| +10 | | | | 616.8 | |
| +20 | | | | 610.6 | |
| +30 | | | | 606.1 | |
| +40 | | | | 599.0 | |
| +50 | | | | 595.5 | |
| +60 | | | | 594.3 | |
| +70 | | | | 593.0 | |
| 300+00 | | | | 592.5 | |
| +20 | | | | 596.0 | |
| +30 | | | | 597.8 | |
| +40 | | | | 604.7 | |
| +50 | | | | 611.7 | |
| +60 | | | | 618.7 | |
| +70 | | | | 625.1 | |
| +80 | | | | 631.8 | |
| 300+95 = 300+75 | | | | 641.6 | |

Taken with Hand Level

East end of Flume

West End of Flume

Profile from 300+75 to 305+75 is 1.2 above grade.

| Sta | BS | HI | FS | Elev | TP Elev |
|---|---|---|---|---|---|
| B.M. | 4.24 | 645.92 | | | 641.68 |
| 305+75 | | | 5.05 | 640.9 | |
| +85 | Taken | | | 633.9 | |
| +95 | | | | 629.7 | |
| 306+25 | | with Hand | | 629.8 | |
| +35 | | Level | | 632.8 | |
| +45 | | | | 637.0 | |
| 306+60 | | | 5.29 | 640.6 | |
| 307+00 | | | 5.00 | 640.9 | |
| +25 | | | 5.02 | 640.9 | |
| +50 | | | 4.70 | 641.2 | ✓ |
| T.P. | 3.82 | 645.35 | 3.79 | | 642.13 |
| +75 | | | 4.43 | 641.0 | |
| 308+00 | | | 4.48 | 640.9 | |
| +25 | | | 4.50 | 640.9 | |
| +50 | | | 3.65 | 641.7 | |
| +75 | | | 4.99 | 640.4 | |
| 309+00 | | | 4.71 | 640.7 | |
| +25 | | | 4.26 | 641.1 | ✓ |
| T.P. | 2.32 | 644.44 | 3.23 | | 642.12 |
| +50 | | | 3.83 | 641.2 | |
| +75 | | | 3.68 | 640.7 | |
| 310+00 | | | 3.72 | 640.7 | |
| +25 | | | 3.70 | 640.7 | |
| +50 | | | 3.70 | 640.7 | |
| +75 | | | 3.85 | 640.5 | |
| 311+00 | | | 3.35 | 641.0 | ✓ |
| T.P. | 3.75 | 647.99 | 0.20 | | 644.24 |
| +25 | | | 7.30 | 640.7 | |
| +50 | | | 7.10 | 640.9 | |
| 312+00 | | | 7.60 | 640.5 | |
| +25 | | | 7.50 | 640.5 | |
| +50 | | | 7.60 | 640.4 | |

Beginning of Bridge Flume

End of Flume

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| +75 | | 647.99 | 7.68 | 640.3 | |
| 313+00 | | | 7.85 | 640.1 | |
| +25 | | | 7.67 | 640.3 | |
| +50 | | | 7.86 | 640.1 | |
| +75 | | | 7.75 | 640.2 | |
| 314+00 | | | 7.73 | 640.3 | |
| T.P. | 5.74 | 645.97 | 7.80 | | 640.19 |
| +25 | | | 5.60 | 640.3 | |
| +50 | | | 5.75 | 640.1 | |
| +75 | | | 5.88 | 640.0 | |
| 315+00 | | | 5.81 | 640.1 | |
| +25 | | | 5.72 | 640.2 | |
| +50 | | | 6.01 | 639.9 | |
| +75 | | | 5.41 | 640.5 | |
| 316+00 | | | 5.50 | 640.4 | |
| +25 | | | 5.83 | 640.1 | |
| +50 | | | 5.75 | 640.1 | |
| +75 | | | 5.95 | 639.9 | |
| 317+00 | | | 6.20 | 639.7 | |
| +25 | | | 5.92 | 640.0 | |
| +50 | | | 5.85 | 640.1 | |
| +75 | | | 5.95 | 640.0 | |
| 318+00 | | | 6.05 | 639.8 | |
| +25 | | | 6.14 | 639.8 | |
| +50 | | | 6.00 | 639.9 | |
| +75 | | | 6.12 | 639.8 | |
| 319+00 | | | 6.36 | 639.5 | |
| +25 | | | 6.25 | 639.6 | |
| +50 | | | 5.55 | 690.3 | |
| +75 | | | 6.30 | 639.6 | |
| 320+00 | | | 6.30 | 639.6 | |
| +25 | | | 6.22 | 639.7 | |

645.97
6.51
639.46

| Sta. | B.S. | HI | F.S. | Elev | T.P. Elev |
|---|---|---|---|---|---|
| | | 645.93 | 6.30 | 639.6 | |
| +50 | | | 6.35 | 639.5 | |
| +75 | | | 6.25 | 639.6 | |
| 321+00 | | | 6.35 | 639.5 | |
| +25 | | | | | |
| T.P. | 3.69 | 644.25 | 5.37 | | 640.56 |
| +50 | | | 4.69 | 639.6 | |
| +75 | | | 4.67 | 639.6 | |
| 322+00 | | | 4.70 | 639.6 | |
| +25 | | | 4.70 | 639.6 | |
| +50 | | | 4.71 | 639.6 | |
| +75 | | | 4.84 | 639.5 | |
| 323+00 | | | 4.22 | 640.0 | |
| +25 | | | 5.00 | 639.3 | |
| +50 | | | 5.10 | 639.2 | |
| +75 | | | 4.67 | 639.6 | |
| 324+00 | | | 4.80 | 639.5 | |
| +25 | | | 4.82 | 639.5 | |
| +50 | | | 4.84 | 639.5 | |
| +75 | | | 4.56 | 639.7 | |
| 325+00 | | | 5.15 | 639.1 | |
| +25 | | | 5.16 | 639.1 | |
| +50 | | | 4.91 | 639.4 | |
| +75 | | | 4.15 | 640.1 | |
| 326+00 | | | 3.70 | 641.6 | |
| +25 | | | 5.30 | 639.0 | |
| +40 | | | 7.65 | 636.6 | |
| +50 | | | 5.18 | 639.1 | |
| +75 | | | 4.90 | 639.4 | |
| 327+00 | | | 4.85 | 639.4 | |
| 125 | | | 5.35 | 6389 | |
| +50 | | | 5.44 | 638.9 | |
| +75 | | | 5.05 | 639.2 | |

| Sta | BS. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| 328+00 | | 644.25 | 5.40 | 638.9 | |
| +25 | | | 5.45 | 638.8 | |
| +50 | | | 5.15 | 639.1 | |
| +75 | | | 5.50 | 638.8 | |
| 329+00 | | | 5.40 | 638.9 | |
| +25 | | | 5.25 | 639.0 | |
| +50 | | | 5.40 | 638.9 | |
| +75 | | ✓ | 5.61 | 638.6 | ✓ |
| T.P. | 3.12 | 642.56 | 4.81 | | 639.44 |
| 330+00 | | | 3.75 | 638.8 | |
| +25 | | | 3.77 | 638.8 | |
| +50 | | | 3.96 | 638.6 | |
| +75 | | | 3.73 | 638.9 | |
| 331+00 | | | 3.60 | 639.0 | |
| +25 | | | 4.10 | 638.5 | |
| +50 | | | 3.95 | 638.6 | |
| +75 | | | 4.15 | 638.5 | |
| 332+00 | | | 3.87 | 638.7 | |
| +25 | | | 3.35 | 639.2 | |
| +35 | | | 6.19 | 636.4 | |
| +50 | | | 3.82 | 638.8 | |
| +75 | | | 3.90 | 638.7 | |
| 333+00 | | | 3.85 | 638.7 | |
| +25 | | | 4.30 | 638.3 | |
| +50 | | | 3.80 | 638.8 | |
| +75 | | | 3.59 | 639.0 | |
| 334+00 | | | 3.76 | 638.8 | |
| +25 | | | 4.58 | 638.0 | |
| +50 | | | 4.27 | 638.3 | |
| +75 | | | 4.27 | 638.3 | |
| 335+00 | | | 4.03 | 638.5 | |
| 25 | | | 3.66 | 638.9 | |

642.69
6.96
635.73

| Sta. | BS. | HI | FS. | Elev. | TP Elev. |
|---|---|---|---|---|---|
| +50 | | 64256 | 4.16 | 638.4 | |
| +75 | | | 4.16 | 638.9 | |
| 336+00 | | | 4.28 | 638.3 | |
| BM. | 6.49 | 642.69 | | | 636.2 |
| +25 | | | 4.01 | 638.7 | |
| +50 | | | 4.14 | 638.6 | |
| +75 | | | 4.11 | 638.6 | |
| 337+00 | | | 4.53 | 638.2 | |
| +25 | | | 4.28 | 638.4 | |
| +50 | | | 4.32 | 638.4 | |
| +75 | | | 3.90 | 638.8 | |
| 338+00 | | | 4.23 | 638.5 | |
| +25 | | | 4.38 | 638.3 | |
| +50 | | | 4.45 | 638.2 | |
| +75 | 2 | | 4.50 | 638.2 | |
| 339+00 | | | 4.16 | 638.5 | |
| +25 | | | 4.55 | 638.1 | |
| +50 | | | 4.50 | 638.2 | |
| +75 | | | 4.53 | 638.2 | |
| 340+00 | | | 4.80 | 637.9 | |
| T.P. | 2.91 | 641.65 | 3.95 | | 638.74 |
| +25 | | | 3.41 | 638.2 | |
| +50 | | | 3.60 | 638.0 | |
| +75 | | | 3.35 | 638.3 | |
| 341+00 | | | 3.39 | 638.3 | |
| +25 | | | 3.63 | 638.0 | |
| +50 | | | 3.47 | 638.2 | |
| +75 | | | 3.69 | 638.0 | |
| 342+00 | | | 3.67 | 638.0 | |
| +25 | | | 2.96 | 638.7 | |
| +50 | | | 1.65 | 640.1 | |
| +75 | | | 2.34 | 639.3 | |

| Sta. | B.S. | H.I. | F.S | Elev | T.P Elev. |
|---|---|---|---|---|---|
| 343+00 | | 641.65 | 2.80 | 639.9 | |
| +25 | | | 3.20 | 638.5 | |
| +50 | | | 3.96 | 637.7 | |
| +75 | | | 3.30 | 638.3 | |
| 344+00 | | | 2.80 | 638.8 | |
| T.P. | 3.41 | 642.68 803 | 2.38 | | 639.27 |
| +25 | | | | | |
| +50 | | | 4.63 | 638.0 | |
| +75 | | | 4.79 | 637.9 | |
| 345+00 | | | 5.19 | 637.5 | |
| +25 | | | 5.05 | 637.6 | |
| +50 | | | 4.93 | 637.7 | |
| +75 | | | 4.73 | 637.9 | |
| 346+00 | | | 5.07 | 637.6 | |
| +25 | | | 4.82 | 637.9 | |
| +50 | | | 5.25 | 637.4 | |
| +75 | | | 5.10 | 637.6 | |
| 347+00 | | | 5.18 | 637.5 | |
| +25 | | | 5.22 | 637.5 | |
| +50 | | | 4.82 | 637.9 | |
| +75 | | | 5.22 | 637.5 | |
| 348+00 | | | 4.98 | 637.7 | |
| +25 | | | 5.01 | 637.7 | |
| +50 | | | 5.56 | 637.1 | |
| +75 | | | 5.45 | 637.2 | |
| 349+00 | | | 5.15 | 637.5 | |
| +25 | | | 5.26 | 637.4 | |
| +50 | | | 5.64 | 637.0 | |
| +75 | | | 5.47 | 637.2 | |
| 350+00 | | | 5.48 | 637.2 | |
| +25 | | | 5.74 | 636.9 | |
| +50 | | | 5.56 | 637.1 | |

| Sta. | B.S. | H.I | F.S. | Elev. | T.P Elev. |
|---|---|---|---|---|---|
| 350+75 | | 642.68 | 5.13 | 637.6 | |
| 351+00 | | | 5.40 | 637.3 | |
| +25 | | | 5.65 | 637.0 | |
| +50 | | | 5.69 | 637.0 | |
| +75 | | | 5.56 | 637.1 | |
| 352+00 | | | 5.60 | 637.1 | |
| T.P | 2.94 | 640.92 | 4.70 | | 637.98 |
| +25 | | | 3.53 | 637.4 | |
| +50 | | | 2.85 | 638.1 | |
| +75 | | | 3.00 | 637.9 | |
| 353+00 | | | 3.05 | 637.9 | |
| +25 | | | 3.75 | 637.2 | |
| +50 | | | 3.95 | 637.0 | |
| +75 | | | 3.73 | 637.2 | |
| 354+00 | | | 3.65 | 637.3 | |
| +25 | | | 3.76 | 637.2 | |
| +50 | | | 3.65 | 637.3 | |
| +75 | | | 3.70 | 637.2 | |
| 355+00 | | | 3.80 | 637.1 | |
| +25 | | | 3.82 | 637.1 | |
| T.P | 3.73 | 641.68 | 2.97 | | 637.95 |
| +50 | | | 4.67 | 637.0 | |
| +75 | | | 4.76 | 636.9 | |
| 356+00 | | | 4.70 | 637.0 | |
| +25 | | | 4.66 | 637.0 | |
| +50 | | | 4.70 | 637.0 | |
| +75 | | | 4.82 | 636.8 | |
| 357+00 | | | 4.82 | 636.8 | |
| +25 | | | 4.75 | 636.9 | |
| +50 | | | 4.80 | 636.9 | |
| BM | 12.55 | 643.19 | 3.16 | | 630.64 |
| +75 | | | 6.32 | 636.9 | |

| Sta. | B.S. | HI | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| 358+00 | | 643.19 | 6.47 | 636.7 | |
| +25 | | | 6.52 | 636.7 | |
| +50 | | | 6.55 | 636.6 | |
| +75 | | | 6.60 | 636.6 | |
| 359+00 | | | 6.81 | 636.4 | |
| +25 | | | 6.50 | 636.7 | |
| +50 | | | 6.39 | 636.8 | |
| +75 | | | 6.40 | 636.8 | |
| 360+00 | | | 6.70 | 636.5 | |
| +25 | | | 7.20 | 636.0 | |
| +50 | | | 7.05 | 636.1 | |
| +75 | | | 6.94 | 636.2 | |
| 361+00 | | | 6.87 | 636.3 | |
| +25 | | | 6.87 | 636.3 | |
| +50 | | | 6.96 | 636.2 | |
| +75 | | | 7.01 | 636.2 | |
| T.P. | 3.09 | 640.11 | 6.17 | | 637.02 |
| 362+00 | | | 4.00 | 636.1 | |
| +25 | | | 3.96 | 636.2 | |
| +50 | | | 4.15 | 636.0 | |
| +75 | | | 3.89 | 636.2 | |
| 363+00 | | | 3.80 | 636.3 | |
| +25 | | | 3.80 | 636.3 | |
| +50 | | | 3.94 | 636.2 | |
| +75 | | | 4.05 | 636.1 | |
| 364+00 | | | 3.78 | 636.3 | |
| +25 | | | 3.86 | 636.2 | |
| +50 | | | 3.71 | 636.4 | |
| +75 | | | 3.91 | 636.2 | |
| 365+00 | | | 4.16 | 636.0 | |
| +25 | | | 4.11 | 636.0 | |
| +50 | | | 4.14 | 636.0 | |

| Sta. | B.S. | HI | F.S. | Elev. | TP Elev. |
|---|---|---|---|---|---|
| +75 | | 640.11 | 4.13 | 636.0 | |
| 366+00 | | | 4.13 | 636.0 | |
| +26 | | | 3.96 | 636.2 | |
| +50 | | | 4.00 | 636.1 | |
| 366+60 | | | 4.28 | 635.9 | |
| +65 | | | 9.75 | 630.4 | |
| +70 | | | 4.61 | 635.5 | |
| +75 | | | 4.28 | 635.9 | |
| 367+00 | | | 4.16 | 636.0 | |
| +25 | | | 3.98 | 636.1 | |
| +50 | | | 4.18 | 635.9 | |
| +75 | | | 4.71 | 635.4 | |
| 368+00 | | | 4.65 | 635.5 | |
| +25 | | | 4.52 | 635.6 | |
| +50 | | | 4.20 | 635.9 | |
| +75 | | | 4.30 | 635.8 | |
| 369+00 | | | 4.05 | 636.1 | |
| +25 | | | 4.53 | 635.6 | |
| +50 | | | 4.60 | 635.5 | |
| +75 | | | 4.22 | 635.9 | |
| T.P | 1.59 | 638.42 | 3.28 | | 636.83 |
| 370+00 | | | 2.65 | 635.8 | |
| +25 | | | 2.66 | 635.8 | |
| +50 | | | 2.60 | 635.8 | |
| +75 | | | 3.01 | 636.4 | |
| 371+00 | | | 3.15 | 635.3 | |
| +25 | | | 2.95 | 635.5 | |
| +50 | | | 3.08 | 635.4 | |
| +75 | | | 2.93 | 635.5 | |
| 372+00 | | | 2.78 | 635.7 | |
| +26 | | | 3.07 | 635.4 | |
| +50 | | | 2.95 | 635.5 | |

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| +76 | | 638.42 | 2.88 | 635.6 | |
| 373+00 | | | 3.04 | 635.4 | |
| +25 | | | 2.70 | 635.7 | |
| T.P. | 2.59 | 638.78 | 2.23 | | 636.19 |
| +50 | | | 2.75 | 636.0 | |
| +75 | | | 2.76 | 636.0 | |
| 374+00 | | | 3.07 | 635.7 | |
| +26 | | | 3.71 | 635.1 | |
| +50 | | | 3.97 | 634.8 | |
| +75 | | | 3.85 | 634.9 | |
| 375+00 | | | 3.46 | 635.3 | |
| +25 | | | 3.91 | 634.9 | |
| +50 | | | 3.67 | 635.1 | |
| +75 | | | 3.90 | 634.9 | |
| 376+00 | | | 3.63 | 635.1 | |
| 376+25 | | | 3.61 | 635.2 | |

# South High Line Canal
## Final Location. June, 1911.

| | Grade | Elev. |
|---|---|---|
| 00 = | 666.00 | 669.90 |
| +25 | | 662.8 |
| +50 | | 665.0 |
| +75 | | 663.4 |
| 1 | | 663.5 |
| +25 | | 663.3 |
| +50 | | 661.9 |
| +75 | | 663.0 |
| 2 | | 665.4 |
| +25 | | 665.1 |
| +50 | | 663.7 |
| +75 | | 658.7 |
| 3 | | 656.8 |
| +25 | | 662.2 |
| +50 | | 662.7 |
| +75 | | 664.4 |
| 4 | | 661.8 |
| +25 | | 661.6 |
| +50 | | 662.2 |
| +75 | | 663.6 |
| 5 | | 663.8 |
| +25 | | 663.0 |
| +50 | | 663.0 |
| +75 | | 662.0 |
| 6 | | 660.8 |
| +25 | | 659.8 |
| +50 | | 659.7 |
| +75 | | 660.1 |
| 7 | | 662.1 |
| +25 | | 663.0 |
| +50 | | 664.3 |
| +75 | | 662.6 |
| 8 | | 662.6 |

— 0.125 per 100 ft

see page 43

Old Box @ Power House intake.

Final B.M.

635.22. Anchor Post N.W. Power House.
639.77. S.E. Cor. Lot 3-B.1.
652.49. " " " " 2 - "
636.54. " " " " 1 - "

South High Line Canal
Final Location June 1914

| Sta. | Grade | Elev. |
|---|---|---|
| 8+25 | | 662.2 |
| +50 | | 662.8 |
| +75 | | 662.5 |
| 9 | | 663.4 |
| +25 | | 662.8 |
| +50 | | 662.4 |
| +75 | | 661.2 |
| 10 | | 658.5 |
| +25 | | |
| +50 | | 654.5 |
| +75 | | 655.0 |
| 11 | | 654.5 |
| +25 | | 654.4 |
| +50 | | 654.3 |
| +75 | | 658.3 |
| 12 | | 660.3 |
| +25 | | |
| +50 | | 663.3 |
| +75 | | 660.4 |
| 13 | | 662.7 |
| +25 | | 660.7 |
| +50 | | 662.1 |
| +75 | | 661.1 |
| 14 | | 661.6 |
| +25 | | 662.0 |
| +50 | | 660.6 |
| +75 | | 661.8 |
| 15 | | 662.1 |
| +25 | | 662.4 |
| +50 | | 660.3 |
| +75 | | 657.2 |
| 16 | | 657.7 |
| +25 | | 660.5 |

see page 44.

South High Line Canal
Final Location June, 191.

| Sta. | Grade. | Elev. |
|---|---|---|
| 16+50 | | 661.1 |
| +75 | | 662.3 |
| 17 | | 661.8 |
| +25 | | 661.3 |
| +56 | | 661.3 |
| +75 | | 661.1 |
| 18 | | 660.4 |
| +25 | | 660.0 |
| +50 | | 660.2 |
| +75 | | 660.8 |
| 19 | | 659.4 |
| +25 | | 660.7 |
| +50 | | 660.0 |
| +75 | | 660.7 |
| 20 | | 661.5 |
| +25 | | 662.0 |
| +50 | | 662.3 |
| +75 | | 662.7 |
| 21 = 21+50 | | 663.3 |

Could in Book 3. Page. 69.

# High Line Canal

## Check Levels & Prelim Work.

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | 10.79 | 637.30 | | 626.51 | * |
| | 12.63 | 649.35 | 0.58 | 636.72 | |
| | 12.96 | 661.15 | 1.16 | 648.19 | |
| | 9.67 | 670.48 | 0.31 | 660.84 | |
| | 4.51 | 662.39 | 12.60 | 657.88 | |
| | 1.09 | 650.58 | 12.90 | 649.49 | |
| | 1.76 | 639.97 | 12.37 | 638.21 | |
| B.M. | | | 4.23 | 635.74 | |
| Turn | 3.59 | 637.96 | 5.60 | 634.37 | |
| " | 12.84 | 646.34 | 4.46 | 633.50 | |
| B.M. | | | 0.41 | 645.93 | |
| Turn | 7.01 | 640.51 | | 633.50 | |
| " | 3.92 | 637.04 | 7.39 | 633.12 | |
| B.M. | | | 0.38 | 636.66 | |
| Turn | 4.51 | 637.52 | 4.03 | 633.01 | |
| B.M. | 5.13 | 637.96 | 4.69 | 632.83 | |
| B.M. | 2.76 | 638.44 | 2.28 | 635.68 | |
| | | | 8.04 | 630.30 | |
| Turn | 7.44 | 639.62 | 6.26 | 632.18 | |
| B.M. | | | 0.24 | 639.38 | |
| | | | 13.10 | 626.52 | * |
| B.M. | 3.82 | 639.26 | 4.18 | 635.44 | |
| Turn | 3.37 | 634.31 | 8.32 | 630.94 | |
| B.M. | | | 2.55 | 631.76 | |
| Turn | 4.52 | 634.43 | 4.40 | 629.91 | |
| B.M. | 5.78 | 638.04 | 2.17 | 632.26 | |
| Turn | 4.20 | 633.59 | 8.65 | 629.39 | |
| " | 3.21 | 630.40 | 6.40 | 627.19 | |
| " | 5.51 | 634.53 | 1.38 | 629.02 | |
| B.M. | | | 8.60 | 625.93 | |
| Turn | 2.88 | 631.39 | 6.02 | 628.51 | |
| " | 2.76 | 630.93 | 3.22 | 628.17 | |
| " | 12.18 | 638.93 | 4.18 | 626.75 | |

3-27-12
Strong
Bowen
Raney
Morgan

Top of Post S.W. cor. Evans Tunney Lot.

387+25 to 393 Set ℄ @ 1.2 Cut.

393 to Set @ 0.7 " to use as Lower Cut Stk

on Hub to Left Sta 406

on Hub t. Left of 403+20

on Hub @ 406+50

Top of Post. West Bdry Plat 1.

Check on Abt. B.M. marked 630.11

on hub. to left of Sta 416+25 - South of fence

Check Top of post.

on hub t. Left of Sta 426+25.

on North side of W. Oak To left Sta. 435+75

on hub left of Sta 447.

on West side W. Oak t. Right Sta 458

5 West of 466+25

0.57 638.36 B.M. on N.S. of Oak in road on E. Bdry. N.

| | | | | | |
|---|---|---|---|---|---|
| B.M. | -0.10 | 638.26 | | 638.36 | |
| Turn | 3.83 | 631.89 | 10.20 | 628.06 | |
| B.M. | 6.23 | 634.16 | 3.96 | 627.93 | |
| | | 632.66 | | | |
| 472 | | | 9.2 | 23.5 | |
| +25 | | | 8.1 | 24.6 | |
| +50 | | | 7.6 | 25.1 | |
| +75 | | | 7.4 | 25.3 | |
| 473 | | | 8.3 | 24.4 | |
| +11 | | | 9.1 | 23.6 | |
| +25 | | | 7.5 | 25.2 | |
| +35 | | | 6.5 | 26.2 | |
| +50 | | | 7.6 | 25.1 | |
| +75 | | | 8.3 | 24.4 | |
| 474 | | | 7.8 | 24.9 | |
| +25 | | | 8.2 | 24.5 | |
| +50 | | | 7.8 | 24.9 | |
| +75 | | | 8.0 | 24.7 | |
| | 3.68 | 631.65 | | 627.97 | |
| 475 | | | 3.5 | 28.2 | |
| +25 | | | 3.1 | 28.6 | |
| +50 | | | 4.1 | 27.6 | |
| +75 | | | 6.3 | 25.4 | |
| 476 | | | 8.4 | 23.3 | |
| +25 | | | 9.2 | 22.5 | |
| +50 | | | 8.9 | 22.8 | |
| +75 | | | 7.7 | 24.0 | |
| 477 | | | 6.3 | 25.4 | |
| +25 | | | 6.2 | 25.5 | |
| Turn | 8.19 | 631.81 | 8.03 | 623.62 | |
| B.M. | | | 2.31 | 629.50 | |
| | 0.40 | 638.76 | | 638.36 | |
| | 3.24 | 632.73 | 9.27 | 629.49 | |
| | -0.02 | 629.82 | 2.93 | 629.80 | |
| | 5.64 | 630.25 | 5.21 | 624.61 | |

On East Bdry Plot N. Sta 466+25 = Grade. {626.67 / 623.66}

475 =

Try 472 @ 623.80

477+25 = 622.78

483+75 = 622.26

Top of Oak Stump near west Bdry. Plot N.

# High Line Canal
## Preliminary

| | | | | |
|---|---|---|---|---|
| B.M. | 0.20 | 629.70 | | 629.50 |
| turn | 1.19 | 617.88 | 13.01 | 616.69 |
| B.M. | 5.94 | 615.00 | 8.82 | 609.06 |
| 493+75 | | | 10.1 | 4.9 |
| 494 | | | 10.2 | 4.8 |
| +25 | | | 11.0 | 4.0 |
| +50 | | | 10.9 | 4.1 |
| +75 | | | 10.2 | 4.8 |
| 495 | | | 9.2 | 5.8 |
| +25 | | | 9.2 | 5.8 |
| +50 | | | 8.9 | 6.1 |
| +75 | | | 8.2 | 6.8 |
| 496 | | | 6.6 | 8.4 |
| +25 | | | 6.6 | 6.4 |
| +50 | | | 8.6 | 6.4 |
| +75 | | | 10.6 | 4.4 |
| 497 | | | 11.8 | 3.2 |
| +25 | | | 12.2 | 2.8 |
| +50 | | | 12.0 | 3.0 |
| +75 | | | 11.4 | 3.6 |
| 498 | | | 11.3 | 3.7 |
| +25 | | | 11.1 | 3.9 |
| +50 | | | 9.6 | 5.4 |
| +75 | | | 9.8 | 5.2 |
| 499 | | | 11.5 | 3.5 |
| B.M. | 0.48 | 609.93 | 5.55 | 609.45 |
| +25 | | | 10.3 | 599.6 |
| turn | 0.96 | 597.96 | 12.93 | 597.00 |
| +50 | | | 3.6 | 94.4 |
| +75 | | | 7.7 | 90.3 |
| 500 | | | 10.4 | 87.6 |
| +25 | | | 11.0 | 87.0 |
| +50 | | | 12.5 | 85.5 |

Top of Oak stump near west Bdry Lot 4 T 2 N

on South side of Anchor Post @ Sta 493+75

July 8th 1912.
Strang
Bower
Rarey
Morgan.

North side of Anchor Post @ Sta 498+75

# High Line Canal
## Preliminary

| | | | | |
|---|---|---|---|---|
| | | 597.96 | | |
| 500 + 75 | | | 13.5 | 84.5 |
| B.M. | 4.78 | 590.28 | 12.46 | 585.50 |
| 501 | | | 5.8 | 84.5 |
| + 25 | | | 6.6 | 83.7 |
| + 50 | | | 5.5 | 84.8 |
| + 75 | | | 6.2 | 84.1 |
| 502 | | | 7.3 | 83.0 |
| + 25 | | | 8.2 | 82.1 |
| + 50 | | | 8.4 | 81.9 |
| + 75 | | | 8.3 | 82.0 |
| 503 | | | 10.8 | 580.3 |
| + 25 | | | 13.1 | 77.2 |
| + 50 | | | 14.8 | 75.5 |
| + 75 | | | 14.0 | 76.3 |
| 504 | | | 14.5 | 75.8 |
| + 25 | | | 13.0 | 77.3 |
| + 50 | | | 12.0 | 78.3 |
| B.M. | 4.98 | 583.85 | 11.41 | 578.87 |
| + 75 | | | 7.0 | 76.9 |
| 505 | | | 8.4 | 75.5 |
| + 25 | | | 9.5 | 74.4 |
| + 50 | | | 10.6 | 73.3 |
| + 75 | | | 10.5 | 73.4 |
| 506 | | | 10.1 | 73.8 |
| + 25 | | | 7.2 | 76.7 |
| + 50 | | | 12.6 | 71.3 |
| Turn | 4.45 | 576.35 | 11.95 | 571.90 |
| + 75 | | | 7.1 | 69.3 |
| 507 | | | 9.5 | 66.9 |
| + 25 | | | 12.0 | 64.4 |
| + 50 | | | 8.6 | 67.8 |
| + 75 | | | 8.4 | 68.0 |
| 508 | | | 8.2 | 68.2 |

On Hub to left of sta 501

5-8-17

On Stump to left of Sta 504+75

# High Line Canal
## Preliminary

| | | | | |
|---|---|---|---|---|
| | | 576.35 | | |
| 508+25 | | | 11.3 | 65.1 |
| +50 | | | 12.2 | 64.2 |
| +75 | | | 12.5 | 63.9 |
| 509 | | | 12.1 | 64.3 |
| +25 | | | 10.3 | 66.1 |
| +50 | | | 9.5 | 66.9 |
| +75 | | | 7.5 | 68.9 |
| 510 | | | 6.4 | 70.0 |
| +25 | | | 6.5 | 69.9 |
| +50 | | | 10.2 | 66.2 |
| +75 | | | 12.3 | 64.1 |
| 511 | | | 11.8 | 64.6 |
| +25 | | | 13.3 | 63.1 |
| B.M. | 5.48 | 570.21 | 11.62 | 564.73 |
| +50 | | | 8.2 | 62.0 |
| +75 | | | 7.6 | 62.6 |
| 512 | | | 8.3 | 61.9 |
| +25 | | | 8.8 | 61.4 |
| +50 | | | 9.5 | 60.7 |
| +75 | | | 8.7 | 61.5 |
| 513 | | | 7.8 | 62.4 |
| +25 | | | 7.0 | 62.2 |
| +50 | | | 8.3 | 61.9 |
| +75 | | | 10.1 | 60.1 |
| 514 | | | 12.1 | 58.1 |
| +25 | | | 14.5 | 55.7 |
| +50 | | | 14.0 | 56.2 |
| +75 | | | 13.5 | 56.7 |
| 515 | | | 11.9 | 58.3 |
| +25 | | | 12.1 | 58.1 |
| +60 | | | 10.2 | 59.9 |
| +75 | | | 10.5 | 59.7 |
| 516 | | | 10.9 | 59.3 |

gate in fence on brace to left of 511+25

5-8-12

# High Line Canal
## Preliminary

| | | 570.21 | | |
|---|---|---|---|---|
| 516+75 | | | 12.0 | 58.2 |
| +50 | | | 13.8 | 56.4 |
| B.M. | 0.31 | 560.57 | 9.95 | 560.26 |
| +75 | | | 5.4 | 55.2 |
| 517 | | | 7.4 | 53.2 |
| +25 | | | 9.4 | 51.2 |
| +50 | | | 10.0 | 50.6 |
| +75 | | | 10.8 | 49.8 |
| 518 | | | 10.6 | 50.0 |
| +25 | | | 11.6 | 49.0 |
| +50 | | | 11.1 | 49.5 |
| +75 | | | 10.4 | 50.2 |
| 519 | | | 9.2 | 51.4 |
| +25 | | | 9.9 | 50.7 |
| +50 | | | 13.0 | 47.6 |
| +75 | | | 15.9 | 44.7 |
| 520 | | | 16.4 | 44.2 |
| +25 | | | 15.3 | 45.3 |
| +50 | | | 11.8 | 48.8 |
| +75 | | | 10.2 | 50.4 |
| 521 | | | 9.3 | 51.3 |
| B.M. | 2.94 | 557.91 | 5.60 | 554.97 |
| +25 | | | 5.7 | 52.2 |
| +50 | | | 4.7 | 53.2 |
| +75 | | | 4.5 | 53.4 |
| 522 | | | 2.9 | 55.0 |
| +25 | | | 1.4 | 56.5 |
| +50 | | | 1.4 | 56.5 |
| +75 | | | 2.7 | 55.2 |
| 523 | | | 4.4 | 53.5 |
| +25 | | | 6.0 | 51.9 |
| +50 | | | 7.4 | 50.5 |
| +75 | | | 8.3 | 49.6 |

5-8-12

on side of Cedar post. left Sta 520+75

# High Line Canal
## Preliminary

| | | | | |
|---|---|---|---|---|
| | | 557.91 | | |
| 524 | | | 10.6 | 47.3 |
| +25 | | | 12.5 | 45.4 |
| B.M. | 4.45 | 550.27 | 12.09 | 545.82 |
| +50 | | | 8.5 | 41.8 |
| +75 | | | 11.0 | 39.3 |
| 525 | | | 12.2 | 38.1 |
| +25 | | | 11.6 | 38.7 |
| +50 | | | 10.6 | 39.7 |
| +75 | | | 11.3 | 39.0 |
| 526 | | | 12.3 | 38.0 |
| +25 | | | 13.1 | 37.2 |
| +50 | | | 12.1 | 38.2 |
| +75 | | | 11.4 | 38.9 |
| 527 | | | 10.6 | 39.7 |
| +25 | | | 10.6 | 39.7 |
| +50 | | | 10.6 | 40.3 |
| +75 | | | 8.8 | 41.5 |
| 528 | | | 8.8 | 41.5 |
| +25 | | | 9.3 | 41.0 |
| +50 | | | 10.7 | 39.6 |
| +75 | | | 12.0 | 38.3 |
| 529 | | | 12.8 | 37.5 |
| +25 | | | 12.5 | 37.8 |
| B.M. | 0.72 | 544.19 | 6.80 | 543.47 |
| Turn | 1.58 | 533.66 | 12.11 | 532.08 |
| | 4.24 | 528.13 | 9.77 | 523.89 |
| B.M. | 0.21 | 528.05 | 0.29 | 527.84 |
| | 2.64 | 526.14 | 4.55 | 523.50 |
| | 1.80 | 523.26 | 4.68 | 521.46 |
| | 3.52 | 522.78 | 4.00 | 19.26 |
| Check on B.M. | | | 5.17 | 517.61 |

T. off to 524+35
Top of Iron Stake on inside of fence @ dist. 13.94.

5-8-12

S.W. Cor. Blk. 2. Plat N.
Top of Anchor post S.W. Cor Lot 14, Blk. 2, "
260 Ft. Northerly " " " " " " Field " in ditch Elev. = 533.47

Top of Post North End Plat C. Canal Town.

B.M. Marked 515.22 on pipe @ N.E. Blk. 34 Town

# PLAT. C. Canal.

## Dam Profile

528.13

| | | | |
|---|---|---|---|
| 0.0 | | 6.5 | 521.6 |
| 0.0 | | 4.3 | 23.8 |
| +08 | | 4.1 | 24.0 |
| +15 | | 7.6 | 20.5 |
| +28 | | 9.3 | 18.8 |
| +37 | | 10.9 | 17.2 |
| +46 | | 9.3 | 18.8 |
| +57 | | 8.5 | 19.6 |
| +68 | | 4.9 | 23.2 |
| +82 | | 5.0 | 23.1 |

Bottom Mudsill of Gate to canal.
Top of gates
Top of bank.

water surface.
bottom creek.
water surface.

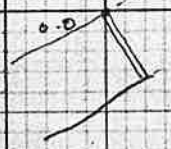
top bank.
levee.

May - 8. 1912.
Strong
Bowlx
Morgan.
Raney

The gorge central here is only 27 ft. wide

30 to 40 ft open channel sufficient.

Creek



# Reg Levels
## Waites

| | | | |
|---|---|---|---|
| 11.29 | 554.76 | | 543.47 |
| 12.84 | 567.06 | 0.54 | 554.22 |
| 11.75 | 578.75 | 0.66 | 567.00 |
| 11.88 | 590.42 | 0.21 | 578.54 |
| 11.83 | 601.79 | 0.46 | 589.96 |
| 11.70 | 613.22 | 0.27 | 601.52 |
| B. M. | | 2.83 | 610.39 |
| Tauni 12.21 | 622.06 | 3.37 | 609.85 |
| 11.95 | 633.36 | 0.68 | 621.38 |
| 11.98 | 643.46 | 1.88 | 631.48 |
| 11.73 | 655.19 | 0.00 | 643.46 |
| 12.80 | 667.86 | 0.13 | 655.06 |
| 12.78 | 680.38 | 0.26 | 667.60 |
| 10.37 | 689.11 | 1.64 | 678.74 |
| 5.77 | 697.56 | 0.32 | 688.79 |
| 11.10 | 696.16 | 12.50 | 685.06 |
| 10.88 | 706.48 | 0.56 | 695.60 |
| 11.84 | 717.38 | 0.94 | 705.54 |
| 12.93 | 729.89 | 0.42 | 716.96 X |
| 11.74 | 740.86 | 0.77 | 729.12 |
| 10.26 | 750.07 | 1.05 | 739.81 |
| 3.44 | 750.51 | 3.00 | 747.07 |
| 0.80 | 742.96 | 8.35 | 742.16 |
| 1.30 | 732.26 | 12.08 | 730.96 |
| 0.65 | 720.58 | 12.33 | 719.93 |
| 0.63 | 708.43 | 12.78 | 707.80 |
| 0.88 | 697.14 | 12.17 | 696.26 |
| 1.26 | 685.78 | 12.68 | 684.46 |
| 3.96 | 677.15 | 12.53 | 673.19 |
| | | 8.48 | 668.67 |

May 24th 1912

Top of Iron stake 798 Van Guilder - West Ridge Plot N.
4 ft. 23.4 ft K. 3.

Peg Levels. Luse's May 25. '12

| Sta. | B.S. | H.I | F.S. | Elev. |
|---|---|---|---|---|
| B.M. | | 518.64 | 7.33 | 511.31 |
| T.P. | 5.16 | 518.07 | 5.73 | 512.91 |
| TP | 5.63 | 518.87 | 4.83 | 513.24 |
| TP | 9.90 | 525.21 | 3.56 | 515.31 |
| TP | 12.78 | 536.34 | 1.65 | 523.56 |
| T.P. | | | 10.13 | 526.21 |
| B.M. | 12.87 | 549.15 | 0.06 | 536.28 |
| | 12.96 | 561.66 | 0.45 | 548.70 |
| | 11.53 | 572.81 | 0.36 | 561.28 |
| | 12.78 | 585.23 | 0.36 | 572.45 |
| | 12.89 | 597.80 | 0.32 | 584.91 |
| | 12.16 | 609.40 | 0.56 | 597.24 |
| | 12.10 | 621.08 | 0.42 | 608.98 |
| | 11.91 | 632.50 | 0.49 | 620.59 |
| | 13.03 | 645.28 | 0.25 | 632.25 |
| | 12.72 | 657.84 | 0.16 | 645.12 |
| | 11.72 | 669.42 | 0.14 | 657.70 |
| | 12.92 | 682.29 | 0.05 | 669.37 |
| | 12.88 | 694.87 | 0.30 | 681.99 |
| | 13.05 | 707.88 | 0.04 | 694.83 |
| B.M. | | | 8.88 | 699.00 |
| B.M. | 10.26 | 709.26 | | |
| | 12.76 | 721.94 | 0.08 | 709.18 |
| | 12.02 | 733.60 | 0.36 | 721.58 |
| | 12.82 | 746.29 | 0.13 | 733.47 |
| | 12.86 | 758.82 | 0.33 | 745.96 |
| | 12.47 | 771.14 | 0.15 | 758.67 |
| | 12.92 | 784.02 | 0.04 | 771.10 |
| | 13.00 | 797.00 | 0.02 | 784.00 |
| | 12.70 | 809.59 | 0.11 | 796.89 |
| | 4.32 | 813.66 | 0.25 | 809.34 |
| | | | 3.35 | 810.31 |

B.M. N.E Cor. Eng. Office 511.31

526.21
B.M. + on top of W. bannister Luses concrete bridge

Elevation about 7°05'

699.00 B.M.
S. Cor of Concrete block 50ft S.E. of SE Cor of Luse's house.

809.98 = BM on 4" Oak Tree 20ft. N.E. of N.E. Cor of Reservoir
810.31 = Elev. of Ground at East End of Reservoir.
8.25
818.56 = Top of Concrete, Luse's Reservoir Near Door on East End.

# Field Book No. 84

# Pages 55 -61 Blank

Ebys. Plat L.

Bowers Morgan

| | B.S. | H I | F.S. | Elev |
|---|---|---|---|---|
| | 3.35 | 3.35 | | 0+00 |
| | | | .06 | 3.29 |
| T.P. | 6.37 | 7.88 | 4.86 | -1.51 |
| TP | | | 3.35 | -4.51 |

| | B.S. | H.I. | F.S. | Elev |
|---|---|---|---|---|
| | | | | assumed |
| | 3:35 | 503.35 | | 500 |
| | 6.37 | 504.86 | 4.86 | 498.49 |
| | | | 3.35 | 501.51 |

Bottom of Waste Gate

Top of Waste Gate

Highest Point on Ebys land.

631.89
26.43

5.46
80
4.66 -469 ✓
4.72 -470 ✓
4.80 -471 ✓
4.88 -472 ✓
496 -473 ✓
504 -474 ✓
512 -475 ✓

47 ✓
49 ✓
51 ✓
53 ✓
55 ✓
9.57 ✓
07 ✓
39 ✓
41 ✓
43 ✓
45 ✓

626.67
24
626.43

75
.66 ✓
8 31 ✓
67
70
25.97

634.15
625.97
8.19 -475
7.39 -475 ✓
7.47 -476 ✓
7.55 -477 ✓

627.93
473
632.66 N.1.
623.97
8.69 -475
789
7.87 +75 ✓
85 ✓
83 ✓
7.79 ✓
7.77 ✓
75 ✓
73 ✓
71 ✓
69 ✓
67 ✓
65 ✓
63 ✓
61 ✓
59 ✓
55 ✓
53 ✓
51 ✓

749 ✓
7.41

647.22 B.M.
7.89
655.11 N.1.
9.11
5.11
650.00
3.90
45:2
653.90 N.1.
45.18
8.72 - 00 ✓
8.70 - 20 ✓
8.68 - 40 ✓
8.67 - 60 ✓
8.66 - 80 ✓
8.64 - 100 ✓
8.62 - 120 ✓
8.60 - 140 ✓
8.59 - 160 ✓
8.58 - 180 ✓
8.56 - 200 ✓
8.54 - 220 ✓
8.52 - 240 ✓
8.51 - 260 ✓
8.50 - 280 ✓
8.48 - 300 ✓
8.46 - 320 ✓
8.44 - 340 ✓
8.43 - 360 ✓
8.42 - 380 ✓
8.48 - 400 ✓

Flume Line in Blk 7 Plat I
to carry water onto 40 I

| | Grade | | | | |
|---|---|---|---|---|---|
| | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
| 3 to B.M. | 6.65 | 637.29 | | | 630.64 |
| 0+00 = 356+25 | 635.47 | | 0.67 | 636.62 | |
| +25 | | ✓ | 7.82 | 628.8 | ✓ |
| T.P. | 0.82 | 625.12 | 12.99 | | 624.30 |
| +50 | | | 1.47 | 623.6 | |
| +75 | | | 5.99 | 619.1 | |
| 1+00 | | | 8.87 | 616.2 | |
| +25 | | | 10.54 | 614.6 | |
| +50 | | | 11.85 | 613.2 | |
| +75 | | | 12.82 | 612.3 | |
| 2+00 | | | 13.90 | 611.2 | |
| +25 | | | 13.50 | 611.6 | |
| +50 | | | 12.50 | 612.6 | |
| +75 | | | 11.69 | 613.4 | |
| 3+00 | | | 10.77 | 614.3 | |
| +25 | | | 9.85 | 615.2 | |
| +50 | | | 8.93 | 616.2 | |
| +75 | | | 7.80 | 617.3 | |
| 4+00 | | | 6.49 | 618.6 | |
| +25 | | | 5.26 | 619.8 | |
| +50 | | | 3.90 | 621.2 | |
| +75 | | | 2.26 | 622.8 | |
| 5+00 | | ✓ | 0.41 | 624.71 | ✓ |
| T.P. | 9.21 | 634.47 | 0.16 | | 624.96 |
| +25 | | | 7.23 | 627.0 | |
| +50 | | | 5.07 | 629.1 | |
| +75 | | | 2.30 | 631.9 | |
| +95 | 634.47 | | | | ✓ |
| T.P. | 1.85 | 623.07 | 12.35 | | 621.82 |
| | | | 6.91 | 616.2 | 616.16 ≈ |

This would be grade of ditch around Hill by dropping down.

634.47
3 4 0
635.47
634.17
1.30

634.

623.07
6.91
616.16

62
3-22-11
6.91

# Profile of Flume Line West Bdry Plat I next to Evans Land

| Sta. | B.S. | H.I. | F.S. | Elev. | T.P. Elev. |
|---|---|---|---|---|---|
| ~~0+00 = 376+85~~ BM | 3.86 | 639.63 | | | 635.77 |
| 0+00 = 376+85 | | | 4.45 | 635.2 | |
| +25 | | | 5.68 | 634.0 | |
| +50 | | | 7.24 | 632.4 | |
| +75 | | | 8.47 | 631.2 | |
| 1+00 | | | 9.94 | 629.7 | |
| +25 | | | 10.70 | 628.9 | |
| +50 | | | 11.75 | 627.9 | |
| +75 | | | 13.10 | 626.5 | |
| 2+00 | | | 13.30 | 626.3 | |
| T.P. | 3.85 | 632.84 | 10.64 | | 628.99 |
| +25 | | | 7.30 | 625.5 | |
| +50 | | | 8.31 | 624.5 | |
| +75 | | | 9.20 | 623.6 | |
| 3+00 | | | 10.15 | 622.7 | |
| +25 | | | 11.65 | 621.2 | |
| +50 | | | 10.05 | 622.8 | |
| +75 | | | 8.65 | 624.2 | |
| 4+00 | | | 6.46 | 626.4 | |
| +25 | | | 4.40 | 628.4 | |
| +50 | | | 2.34 | 630.2 | |
| +75 | | | 0.03 | 632.8 | |
| +92 = 3.87+75 | | | | | |

# Location of High Line Canal by Lot Lines

| Crosses | | | | Sta. |
|---|---|---|---|---|
| West | Bdry | Lot 14 | Blk 7 | 376+85 |
| " | " | " 13 | " " | 373+00 |
| " | " | " 12 | " " | 369+50 |
| " | " | " 7 | " " | 366+25 |
| South | " | " 5 | " " | 360+25 |
| East | " | " 5 | " " | 358+00 |
| North | " | " 7 | " " | 353+00 |
| " | " | " 8 | " " | 349+80 |
| SE Cor Lot 8 | | " " | | 344+00 |
| South | Bdry | Lot 15 | Blk 6 | 342+75 |
| " | " | " 1 | Blk 5 | 337+25 |
| West | " | " 2 | " " | 335+75 |
| South | " | " 79 | " " | 326+00 |
| " | " | " 78 | " " | 322+00 |
| " | " | " 77 | " " | 318+50 |
| " | " | " 76 | " " | 315+15 |
| East | " | " 56 | " " | 293+25 |
| North | " | " 55 | " " | 285+65 |
| " | " | " 11 | " " | 282+25 |
| " | " | " 10 | " " | 274+25 |
| and follows it to | | | | 277+75 |
| North | Bdry | Lot 9 | " " | 271+30 |
| N" | " | " 8 | " " | 267+05 |
| East | " | " 4 | " " | 266+60 |
| " | " | " 5 | " " | 261+40 |
| " | " | " 6 | " " | 256+30 |
| " | " | " 7 | " " | 251+75 |
| North | " | " 12 | " " | 245+80 |
| East | " | " 13 | " 4 | 244+75 |
| " | " | " 12 | " " | 240+25 |
| " | " | " 11 | " " | 236+25 |
| " | " | " 100. | | 234+25 |

3 3 2+25

| Crosses | at | Sta |
|---|---|---|
| East Bdry Lot 10 Blk 4 | | 232+00 |
| | | 37+00 |
| NE cor Plat K | | 41+50 |
| East Bdry Lot 4 Plat B | | 46+50 |
| Bdry between K & B | | 52+00 |
| South Bdry Lot 10 Blk. 1 K | | 58+75 |
| " " " | 11 " " | 64+00 |
| " " " | 12 " " | 67+35 |
| " " " | 13 " " | 70+75 |
| " " " | 14 " " | 75+00 |
| " " " | 15 " " | 85+75 |
| " " " | 16 " " | 94+00 |
| West " | 11 Blk 2 K | 99+00 |
| " " " | 10 " " | 108+00 |
| " " " | 9 " " | 107+25 |
| North " | 8 " " | 123+50 |
| East " | 6 " 3 " | 126+75 |
| " " " | 5 " " | 130+00 |
| " " " | 4 " " | 133+25 |
| " " " | 3 " " | 137+00 |
| " " " | 2 " " | 140+25 |
| " " " | 1 " " | 144+00 |
| " " " | 10 " 4 " | 148+50 |
| " " " | 9 " " | 154+25 |
| " " " | 8 " " | 159+85 |
| " " " | Plat K | 195+00 |
| Cross into Plat K again | | 224+00 |
| Boundary between K & I | | |

96+75 — 55 Lt

118+75 — 35 "

638.73

# Profile of Proposed Drain Ditch from End of Constructed Ditch to Sutherlin Creek Between hots 849 B2A

| Sta. | B.S. | H.I | F.S. | Elev. | T.P. Elev. | |
|---|---|---|---|---|---|---|
| BM | .04 | 638.69 | | | 638.73 | |
| T.P. | 1.35 | 636.99 | 3.55 | | 635.14 | Top of Post opposite Sta. 0+25 |
| B.M. | | | 0.17 | | 636.82 | End of Constructed Ditch |
| 0+00 | | | 7.20 | | | |
| +25 | | | 4.9 | | | |
| +50 | | | 4.6 | | | |
| +75 | | | 4.5 | | | |
| 1+00 | | | 5.0 | | | |
| +18 | | | 7.4 | | | |
| +25 | | | 5.3 | | | |
| +50 | | | 4.3 | | | |
| +75 | | | 4.1 | | | |
| 2+00 | | | 4.2 | | | |
| +25 | | | 4.5 | | | |
| +50 | | | 4.8 | | | |
| 2+60 | | | 5.4 | | | |
| +75 | | | 4.3 | | | |
| 3+00 | | | 4.3 | | | |
| +25 | | | 4.0 | | | |
| +50 | | | 4.0 | | | |
| +75 | | | 3.9 | | | |
| 4+00 | | | 4.4 | | | |
| +25 | | | 4.1 | | | |
| +40 | | | 4.2 | | | |
| +50 | | | 10.2 | | | Bottom of Sutherlin Creek |
| 5+00 | | | | | | |

# Field Book No. 84

# Pages 67 -75 Blank

Lat. 9-10 N.I.
Drain ditch

| | | | | |
|---|---|---|---|---|
| | 0.88 | 100.88 | | assumed 100.00 |
| 0+0 | | | 4.5 | 96.4 |
| +25 | | | 5.7 | 95.2 |
| +50 | | | 7.5 | 93.4 |
| +75 | | | 9.3 | 91.6 |
| 1+00 | | | 12.6 | 88.3 |
| +25 | | | | |
| Trans | -0.29 | 87.64 | 12.95 | 87.93 |
| 1+25 | | | 1.3 | 86.3 |
| +50 | | | 5.0 | 82.6 |
| +75 | | | 6.2 | 81.4 |
| 2+00 | | | 8.3 | 79.3 |
| +25 | | | 8.5 | 79.1 |
| +50 | | | 11.5 | 76.1 |
| +75 | | | 14.1 | 73.5 |
| 3+00 | | | 14.6 | 73.0 |
| 3+25 | | | 15.5 | 72.1 |
| 3+50 | | | 16.0 | 71.6 |
| 3+75 | | | 16.5 | 71.1 |

* B.M. on S. 11th flume.
Main flume.

* opposite engine

4+50
4+25
4+00
3+75
3+50
100
90
80
Natural ground
S. Edge of pavement
W. form
N. form

| | | | |
|---|---|---|---|
| 9 | 4x6 | 16 | long |
| 2 | 4x6 | 16 | long |
| 50 | 4x6 | 4 | long |
| 4 | 4x6 | 16 | long |
| ||||| | 4x6 | | " " |
| ||||| ||| | 4x6 | | " " |
| ||||| ||||| | 4x6 | | " " |
| 3 | 6x6 | 44 | " |
| 3 | 4x6 | 26 | " |
| 2 | 4x6 | 16 | |
| 1 | 4x6 | 26 | " |
| 1 | 6x6 | 22 | " |
| ||||| ||| | 4x6 | 24 | " |
| ||| | 6x6 | 14 | " |
| ||||| ||| | 6x6 | 24 | " |
| ||| | 2x6 | 24 | |
| 1 | 2x6 | 14 | |
| 31 | 2x6 | 16 | |
| 10 | 1x4 | 16 | |