

### STADIA SURVEY NOTES

AREA UTUKOK RIVER STATE or PROVINCE AK PAGE No. 32  
 LINE No.(s) R3 - XN PARTY No. 1186 DATE 16 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN AK WEATHER: MILD P.T.S. No.

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS  |       | Station | REMARKS        |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|---------------------|-------------------|-------------|-------|---------|----------------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion |                     |                   | Center Hair | INST. |         |                |
| 1    |                  |                 |                   |          |                 |             |         |             |                     |                   | 1116.0      | ○     | B.M.    | 3838 IRON PIPE |
| 2    |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       | #       | 25 T.S.        |
| 3    |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |         |                |
| 4    |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |         |                |
| 5    | N                | 1540            |                   | 89-59-30 |                 |             |         | +           | 4.0                 | + 3.8             | 1119.8      |       | Δ       |                |
| 6    |                  | 0               | -                 |          |                 |             |         | -           | 5.2                 |                   | 1114.6      |       | #       | 32 T.S.        |
| 7    |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |         |                |
| 8    | S                | 880             |                   | 90-29-30 |                 |             |         | -           | 4.0                 | - 11.6            | 1108.2      |       | #       | 36 T.S.        |
| 9    |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |         |                |
| 10   |                  | 3520            |                   | 90-32-52 |                 |             |         | -           | 4.0                 | - 37.7            | 1082.1      |       | #       | 48 T.S.        |
| 11   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |         |                |
| 12   | N                | 1540            |                   | 89-59-30 |                 |             |         | -           | 4.0                 | - 3.8             | 1116.0      | ○     | B.M.    | 3838           |
| 13   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       | #       | 25 T.S.        |
| 14   |                  | 2326            |                   | 89-40    |                 |             |         | +           | 4.5                 | - 9.0             | 1107.0      |       | Δ       |                |
| 15   | S                | 1230            |                   | 90-30    |                 |             |         | -           | 9.1                 | - 19.8            | 1087.2      |       | #       | 20 T.S.        |
| 16   |                  | 0               | -                 |          |                 |             |         | -           | 5.2                 |                   | 1101.8      |       | TP.3    |                |
| 17   | N                | 310             |                   | 97-30    |                 |             |         | -           | 13.0                | - 53.1            | 1053.9      |       | #       | 18 T.S.        |
| 18   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |         |                |
| 19   |                  | 1820            |                   | 92-40    |                 |             |         | -           | 6.4                 | - 91.0            | 1016.0      | ○     | TP.4    |                |
| 20   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |         |                |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 58  
 LINE No.(s) R3 x N. PARTY No. 1186 DATE 23 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: -10° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | Station | REMARKS |                   |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|---------|---------|-------------------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |         |         | Δ B.S. OF S. S.S. |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 2    | N                | 000             | -                 |          |                 |             |         | - 2.9       |             | - 8.9               |                   | 110.7      | 0   | 254.    |         | LAST SP NORTH.    |
| 3    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 4    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 5    |                  | 1400            | -                 |          |                 |             |         | + 3.4       |             | + 3.4               | 114.1             |            | Δ   |         |         |                   |
| 6    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 108.9      |     |         |         | # 7               |
| 7    | N                | 1130            |                   | 91-40-16 |                 |             |         | - 4.0       |             | - 36.9              |                   | 77.2       |     | T.S.    |         | # 12.             |
| 8    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 9    |                  | 3770            |                   | 90-33-30 |                 |             |         | - 4.0       |             | - 40.7              |                   | 73.4       |     | T.S.    |         | # 24.             |
| 10   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 11   |                  | 6410            |                   | 90-22-40 |                 |             |         | - 4.0       |             | - 46.3              |                   | 67.8       |     | T.S.    |         | # 36.             |
| 12   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 13   |                  | 9050            |                   | 89-58-10 |                 |             |         | - 6.0       |             | - 1.2               |                   | 112.9      |     | T.S.    |         | # 48.             |
| 14   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 15   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |                   |

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**STADIA SURVEY NOTES**

AREA UTUKOK RIVER STATE or PROVINCE AK. PAGE No. 34.  
 LINE No.(s) R3 XN PARTY No. 1186 DATE 17 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN AK. WEATHER: SNOW. / fog. P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS   |      | AB.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|--------------|------|--------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.        | ROD  |                    |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 314.1        |      |                    |         |         |
| 2    | N                | 1760            |                   | 92-20    |                 |             |         | -13.0       |             | -84.6               |                   | 629.5        |      | 493.               |         |         |
| 3    |                  | 2640            |                   | 90-20    |                 |             |         | -2.7        |             | -18.1               |                   | 696.0        |      | 492.               |         |         |
| 4    |                  | 2970            | -                 |          |                 |             |         | -10.3       |             | -10.3               |                   | 703.0        | 0    | TP.                | S.      |         |
| 5    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |              |      |                    |         |         |
| 6    |                  | 0               | -                 |          |                 |             |         | +5.3        |             | +5.3                |                   | 709.1        |      | A                  |         |         |
| 7    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |              |      |                    |         |         |
| 8    | E                | 1140            | -                 |          |                 |             |         | -5.8        |             | -5.8                |                   | 703.3        |      | B.M. 77278         | 70447   |         |
| 9    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 704.5        |      |                    |         |         |
| 10   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | VERTICAL TIE | -1.2 |                    |         |         |
| 11   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |              |      |                    |         |         |
| 12   | N                | 550             |                   | 93-20    |                 |             |         | -7.0        |             | -39.7               |                   | 669.4        |      | 491                |         |         |
| 13   |                  | 1430            |                   | 93-10    |                 |             |         | -11.0       |             | -89.9               |                   | 619.2        | 0    | 490.               |         |         |
| 14   | S                | 800             |                   | 87-20    |                 |             |         | +6.9        |             | -34.0               |                   | 585.2        |      | A                  |         |         |
| 15   |                  | 0               | -                 |          |                 |             |         | -5.2        |             |                     |                   | 580.0        |      | 489.               |         |         |
| 16   | N                | 000             |                   | 92-40    |                 |             |         | -7.1        |             | -48.0               |                   | 537.2        |      | 488                |         |         |
| 17   |                  | 1760            |                   | 92-30    |                 |             |         | -8.0        |             | -85.5               |                   | 499.7        | 0    | 487.               |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |              |      |                    |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |              |      |                    |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |              |      |                    |         |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 35.  
 LINE No.(s) R3XN PARTY No. 1186 DATE 17 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: SNOW P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadio Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS         |     | A.B.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|--------------------|-----|---------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.              | ROD |                     |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 499.7              | ⊙   | 487                 |         |         |
| 2    | S.               | 880             |                   | 86-30    |                 |             |         | + 6.0       | - 46.8      | 452.9               |                   |                    | Δ   |                     |         |         |
| 3    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 447.7              |     | 486                 |         |         |
| 4    | N                | 330             |                   | 95-00    |                 |             |         | - 3.0       | - 31.7      |                     |                   | 421.2              |     | -                   |         |         |
| 5    |                  | 800             |                   | 91-30    |                 |             |         | - 8.3       | - 31.3      |                     |                   | 421.6              |     | 485                 |         |         |
| 6    |                  | 1760            |                   | 89-30    |                 |             |         | - 5.4       | + 10.0      |                     |                   | 462.9              | ⊙   | 484                 |         |         |
| 7    | S.               | 800             |                   | 91-30    |                 |             |         | + 7.1       | + 32.1      | 475.0               |                   |                    | Δ   |                     |         |         |
| 8    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 489.8              |     | 483                 |         |         |
| 9    | N                | 800             | -                 |          |                 |             |         | - 7.7       |             |                     |                   | 487.3              |     | 482                 |         |         |
| 10   |                  | 1430            |                   | 90-10    |                 |             |         | - 11.2      | - 15.4      |                     |                   | 477.1              | ⊙   |                     |         |         |
| 11   |                  | 1210            |                   | 89-00    |                 |             |         | + 2.2       | - 18.9      | 460.7               |                   |                    | Δ   |                     |         |         |
| 12   | S.               | 800             |                   | 89-00    |                 |             |         | - 4.0       | + 11.4      |                     |                   | 472.1              |     | 481                 |         |         |
| 13   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 455.5              |     | 480                 |         |         |
| 14   | N                | 800             | -                 |          |                 |             |         | - 13.3      |             |                     |                   | 447.4              |     | 479                 |         |         |
| 15   |                  | 1760            | -                 |          |                 |             |         | - 11.2      |             |                     |                   | 449.5              |     | 478                 |         |         |
| 16   |                  | 2640            | -                 |          |                 |             |         | - 0.8       |             |                     |                   | 459.9              |     | 477                 |         |         |
| 17   |                  | 3520            |                   | 89-40    |                 |             |         | - 9.2       | + 11.3      |                     |                   | 472.0              |     | 476                 |         |         |
| 18   |                  | 3706            |                   | 89-44-12 |                 |             |         | - 5.5       | + 11.5      |                     |                   | 472.2              | ⊙   | B.M. 79277 (09117)  |         |         |
| 19   |                  | ✓               |                   | 270-5-54 |                 |             |         | - 5.5       | + 11.6      |                     |                   | 474.1              |     | CK.                 |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | VERTICAL TIE - 1.9 |     |                     |         |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 36  
 LINE No.(s) R3XN PARTY No. 1186 DATE 17 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: SNOW P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance    | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | Station | REMARKS |
|------|------------------|--------------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|---------|---------|
|      |                  |                    | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |         |         |
| 1    |                  |                    |                   |          |                 |             |         |             |             |                     |                   | 474.1      | 0   | B.M.    | 79 277  |
| 2    |                  |                    |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |
| 3    | S.               | 695                | -                 |          |                 |             |         | + 6.2       | + 6.2       |                     | 480.3             |            | Δ   |         |         |
| 4    |                  | 0                  | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 475.1      |     | 475.    |         |
| 5    | N                | 880                | -                 |          |                 |             |         | - 5.8       |             |                     |                   | 474.5      |     | 474.    |         |
| 6    | N                | 1760               | -                 |          |                 |             |         | - 8.7       | - 8.7       |                     |                   | 471.6      | 0   | 473.    |         |
| 7    |                  | 1210               |                   | 89-10    |                 |             |         | + 7.2       | - 10.4      |                     | 461.2             |            | Δ   |         |         |
| 8    | S.               | <del>880</del> 930 | -                 |          |                 |             |         | - 3.1       |             |                     |                   | 458.1      |     | 472.    |         |
| 9    |                  | 0                  | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 456.0      |     | -       |         |
| 10   | N                | 550                |                   | 90-40    |                 |             |         | - 7.6       | - 14.0      |                     |                   | 447.2      |     | 471.    |         |
| 11   | N                | 1430               |                   | 90-30    |                 |             |         | - 10.2      | - 22.7      |                     |                   | 438.5      |     | 470.    |         |
| 12   |                  | 2810               |                   | 90-40    |                 |             |         | - 13.4      | - 40.3      |                     |                   | 420.9      | 0   | 469.    |         |
| 13   | S.               | 880                |                   | 89-05    |                 |             |         | + 8.9       | - 6.5       |                     | 414.4             |            | Δ   |         |         |
| 14   |                  | 0                  | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 409.2      |     | 468.    |         |
| 15   | N                | 880                |                   | 92-05    |                 |             |         | - 11.4      | - 42.1      |                     |                   | 372.3      | 0   | 467.    |         |
| 16   | N                | 1760               |                   | 88-10    |                 |             |         | + 6.3       | - 50.0      |                     | 322.3             |            | Δ   |         |         |
| 17   | S.               | 880                |                   | 91-40    |                 |             |         | - 6.8       | - 32.4      |                     |                   | 289.9      |     | 466.    | RAVINE. |
| 18   |                  | 0                  | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 317.1      |     | 465.    |         |
| 19   | N                | 880                |                   | 85-40    |                 |             |         | - 8.5       | + 57.8      |                     |                   | 380.1      |     | 464.    |         |
| 20   |                  |                    |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |

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2nd

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 37  
 LINE No.(s) R3 & N PARTY No. 1196 DATE 18 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: WINDY + 10° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | Ab.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|--------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                    |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 322.3      |     |                    |         |         |
| 2    | N                | 1760            |                   | 85-00    |                 |             |         | -           | 8.8         | + 144.0             |                   | 416.3      |     | 463                |         |         |
| 3    |                  | 2310            |                   | 85-00    |                 |             |         | -           | 10.2        | + 190.4             |                   | 512.7      | 0   |                    |         |         |
| 4    |                  | 660             |                   | 91-40    |                 |             |         | +           | 10.8        | + 30.0              | 542.7             |            | Δ   |                    |         |         |
| 5    | S.               | 330             |                   | 91-40    |                 |             |         | -           | 3.0         | - 12.6              |                   | 530.1      |     | 462                |         |         |
| 6    |                  | 0               |                   |          |                 |             |         | -           | 5.2         |                     |                   | 537.5      |     | -                  |         |         |
| 7    | N                | 440             |                   | 89-30    |                 |             |         | -           | 7.5         | - 3.7               |                   | 539.0      | 0   | 7P.                |         |         |
| 8    |                  | 990             |                   | 86-40    |                 |             |         | +           | 8.1         | - 49.4              | 489.6             |            | Δ   |                    |         |         |
| 9    | S                | 880             |                   | 86-40    |                 |             |         | -           | 5.5         | + 45.6              |                   | 535.2      |     | 461                |         |         |
| 10   |                  | 0               |                   |          |                 |             |         | -           | 5.2         |                     |                   | 484.4      |     | 460                |         |         |
| 11   | N                | 880             |                   | 93-30    |                 |             |         | -           | 8.0         | - 61.6              |                   | 428.0      |     | 459                |         |         |
| 12   |                  | 1760            |                   | 92-30    |                 |             |         | -           | 11.8        | - 88.5              |                   | 401.1      | 0   | 458                |         |         |
| 13   |                  | 1760            |                   | 90-30    |                 |             |         | +           | 9.3         | + 24.7              | 425.8             |            | Δ   |                    |         |         |
| 14   | S.               | 820             |                   | 91-10    |                 |             |         | -           | 13.0        | - 30.9              |                   | 394.9      |     | 457                |         |         |
| 15   |                  | 0               |                   |          |                 |             |         | -           | 5.2         |                     |                   | 420.6      |     | 456                |         |         |
| 16   | N                | 880             |                   |          |                 |             |         | -           | 5.4         |                     |                   | 420.4      |     | 455                |         |         |
| 17   |                  | 1760            |                   | 89-10    |                 |             |         | -           | 5.5         | + 20.1              |                   | 445.9      | 0   | 454                |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                    |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                    |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                    |         |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 38  
 LINE No.(s) R3xN PARTY No. 1186 DATE 18 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN AK WEATHER: - 5° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |            |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | Station | REMARKS        |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|------------|-------------|---------------------|-------------------|------------|-----|---------|----------------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correction | Center Hair |                     |                   | INST.      | ROD |         |                |
| 1    |                  |                 |                   |          |                 |             |         |            |             |                     |                   | 445.9      | 0   | 454     |                |
| 2    |                  | 1760            |                   | 92-30    |                 |             |         | + 10.6     | + 87.3      | 533.2               |                   |            | Δ   |         |                |
| 3    | S.               | 880             |                   | 92-30    |                 |             |         | - 9.3      | - 47.6      |                     |                   | 485.6      |     | 453     |                |
| 4    |                  | 0               | -                 |          |                 |             |         | - 5.2      |             |                     |                   | 528.0      |     | 452     |                |
| 5    | N                | 880             |                   | 89-00    |                 |             |         | - 5.2      | + 25.5      |                     |                   | 558.7      |     | 451     |                |
| 6    |                  | 990             |                   | 89-00    |                 |             |         | - 5.4      | + 29.1      |                     |                   | 562.3      | 0   | TP.     |                |
| 7    |                  | 2530            |                   | 89-30    |                 |             |         | + 12.7     | - 9.4       | 552.9               |                   |            | Δ   |         |                |
| 8    | S                | 1760            |                   | 89-30    |                 |             |         | - 10.1     | + 5.3       |                     |                   | 558.2      |     | 450     |                |
| 9    | S.               | 880             |                   | 89-30    |                 |             |         | - 3.7      | + 4.0       |                     |                   | 556.9      |     | 449     |                |
| 10   | SW.              | 720             |                   | 89-30    |                 |             |         | - 8.0      | + 2.5       |                     |                   | 555.4      | 0   | BM.     | 79276 (555.73) |
| 11   |                  |                 |                   |          |                 |             |         |            |             |                     |                   | 555.7      |     |         |                |
| 12   |                  |                 |                   |          |                 |             |         |            |             | VERTICAL            |                   | - 0.3      |     |         |                |
| 13   |                  |                 |                   |          |                 |             |         |            |             | TIE.                |                   |            |     |         |                |
| 14   | SW.              | 720             |                   | 89-30    |                 |             |         | + 3.8      | - 2.5       | 553.2               |                   |            | Δ   |         |                |
| 15   |                  | 0               | -                 |          |                 |             |         | - 5.2      |             |                     |                   | 548.0      |     | 448     |                |
| 16   | N                | 880             |                   |          |                 |             |         | - 6.1      |             |                     |                   | 547.1      |     | 447     |                |
| 17   |                  | 1760            |                   |          |                 |             |         | - 3.8      |             |                     |                   | 549.4      |     | 446     |                |
| 18   |                  | 2090            |                   | 89-50    |                 |             |         | - 10.7     | - 4.6       |                     |                   | 548.6      | 0   | TP.     |                |
| 19   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |         |                |
| 20   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |         |                |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 39  
 LINE No.(s) R3 XN PARTY No. 1186 DATE 18 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN AK WEATHER: - 5° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |            | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS  |       | AB.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|------------|---------------------|-------------------|-------------|-------|--------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correction |                     |                   | Center Hair | INST. |                    |         |         |
| 1    |                  |                 |                   |          |                 |             |         |            |                     |                   | 548.6       | 0     |                    |         |         |
| 2    |                  | 2640            |                   | 89-30    |                 |             |         | +          | 7.1                 | - 15.9            | 532.7       |       | A                  |         |         |
| 3    |                  | 2090            |                   | 89-30    |                 |             |         | -          | 10.2                | + 8.0             | 540.7       |       | 445                |         |         |
| 4    |                  | 1210            | -                 |          |                 |             |         | -          | 12.8                |                   | 519.9       |       | 444                |         |         |
| 5    | S                | 330             | -                 |          |                 |             |         | -          | 4.3                 |                   | 528.4       |       | 443                |         |         |
| 6    |                  | 0               | -                 |          |                 |             |         | -          | 5.2                 |                   | 527.5       |       | -                  |         |         |
| 7    | N                | 550             |                   | 91-30    |                 |             |         | -          | 5.8                 | - 20.2            | 512.5       |       | 442                |         |         |
| 8    |                  | 1430            |                   | 91-30    |                 |             |         | -          | 12.2                | - 49.6            | 483.1       |       | 441                |         |         |
| 9    |                  | 2310            |                   | 91-30    |                 |             |         | -          | 12.6                | - 73.0            | 459.7       | 0     | 440                |         |         |
| 10   |                  | 2520            |                   | 88-30    |                 |             |         | +          | 8.2                 | - 57.7            | 402.0       |       | A                  |         |         |
| 11   |                  | 1650            |                   | 88-50    |                 |             |         | -          | 5.0                 | + 28.6            | 430.6       |       | 439                |         |         |
| 12   | S                | 770             |                   | 94-00    |                 |             |         | -          | 5.4                 | - 59.0            | 343.0       |       | 438                | CREEK.  |         |
| 13   |                  | 0               | -                 |          |                 |             |         | -          | 5.2                 |                   | 396.8       |       | -                  |         |         |
| 14   | N                | 110             | -                 |          |                 |             |         | -          | 3.4                 |                   | 398.6       |       | 437                |         |         |
| 15   |                  | 990             |                   | 89-00    |                 |             |         | -          | 4.5                 | + 12.8            | 414.8       |       | 436                |         |         |
| 16   |                  | 1860            |                   | 88-30    |                 |             |         | -          | 7.0                 | + 41.7            | 443.7       |       | 435                |         |         |
| 17   |                  | 2190            |                   | 88-30    |                 |             |         | -          | 11.8                | + 45.5            | 447.5       | 0     |                    |         |         |
| 18   |                  |                 |                   |          |                 |             |         |            |                     |                   |             |       |                    |         |         |
| 19   |                  |                 |                   |          |                 |             |         |            |                     |                   |             |       |                    |         |         |
| 20   |                  |                 |                   |          |                 |             |         |            |                     |                   |             |       |                    |         |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 40  
 LINE No.(s) R3 XN PARTY No. 1186 DATE 1<sup>st</sup> Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: - 10 - P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |       | A.B.S. OF S. - S.S. | Station | REMARKS          |  |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-------|---------------------|---------|------------------|--|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD   |                     |         |                  |  |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                     |         |                  |  |
| 2    |                  | 1980            | -                 |          |                 |             |         | + 10.8      |             | + 10.8              |                   | 458.3      |       | Δ                   |         |                  |  |
| 3    |                  | 1430            |                   | 90-30    |                 |             |         | - 11.7      |             | - 24.2              |                   | 434.1      |       |                     | 434     |                  |  |
| 4    | S.               | 550             |                   | 71-00    |                 |             |         | - 12.0      |             | - 21.6              |                   | 436.7      |       |                     | 433     |                  |  |
| 5    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 453.1      |       |                     |         |                  |  |
| 6    | N                | 330             | -                 |          |                 |             |         | - 8.5       |             |                     |                   | 448.8      |       |                     | 432     |                  |  |
| 7    |                  | 1260            | -                 |          |                 |             |         | - 13.8      |             |                     |                   | 444.5      |       |                     | 431     |                  |  |
| 8    |                  | 2090            |                   | 90-10    |                 |             |         | - 11.1      |             | - 17.2              |                   | 441.1      | 0     |                     | 430     |                  |  |
| 9    |                  | 1760            |                   | 89-10    |                 |             |         | + 4.8       |             | - 20.8              | 420.3             |            |       | Δ                   |         |                  |  |
| 10   | S.               | 880             |                   | + 1/2    |                 |             |         | - 1.8       | + 4.4       | + 2.6               |                   | 422.9      |       |                     | 429     |                  |  |
| 11   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 415.1      |       |                     | 428     |                  |  |
| 12   | N                | 880             |                   | 90-30    |                 |             |         | - 12.0      |             | - 19.7              |                   | 408.6      |       |                     | 427     |                  |  |
| 13   |                  | 1760            |                   | 90-30    |                 |             |         | - 12.8      |             | - 28.2              |                   | 392.1      |       |                     | 426     |                  |  |
| 14   |                  | 2640            |                   | - 1/2    |                 |             |         | - 9.4       | - 13.2      | - 22.6              |                   | 397.7      |       |                     | 425     |                  |  |
| 15   |                  | 3520            | -                 |          |                 |             |         | - 7.8       |             |                     |                   | 412.5      |       |                     | 424     |                  |  |
| 16   |                  | 3561            | -                 |          |                 |             |         | - 9.1       |             | - 9.1               |                   | 411.2      | 0     |                     | R.M.    | 79 275, (L11-62) |  |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 411.6      |       |                     |         |                  |  |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                     |         |                  |  |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | VERTICAL   |       |                     |         |                  |  |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | TIE        | - 0.4 |                     |         |                  |  |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 41  
 LINE No.(s) R3 x N PARTY No. 1186 DATE 18 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN AK WEATHER: - 5° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |                  |                 | ROD READING |         |             |               | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | AB.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|------------------|-----------------|-------------|---------|-------------|---------------|---------------------|-------------------|------------|-----|--------------------|---------|---------|
|      |                  |                 | Level             | Inclined         | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair   |                     |                   | INST.      | ROD |                    |         |         |
| 1    |                  |                 |                   |                  |                 |             |         |             |               |                     |                   | 411.6      | 0   | R.M.               | 79275   |         |
| 2    |                  |                 |                   |                  |                 |             |         |             |               |                     |                   |            |     |                    |         |         |
| 3    |                  | 2490            |                   | <del>89-00</del> |                 |             |         | + 7.0       | - 36.4        | 375.2               |                   |            | A   |                    |         |         |
| 4    |                  | 1650            |                   | <del>89-00</del> |                 |             |         | - 9.0       | + 19.9        |                     |                   | 395.0      |     | 423                |         |         |
| 5    | S                | 770             |                   | <del>89-00</del> |                 |             |         | - 7.3       | + 6.1         |                     |                   | 381.3      |     | 422                |         |         |
| 6    |                  |                 |                   |                  |                 |             |         | - 5.2       |               |                     |                   | 370.0      |     |                    |         |         |
| 7    | N                | 110             |                   |                  |                 |             |         | - 14.2      |               |                     |                   | 361.0      |     | 421                | GULLEY  |         |
| 8    |                  | 990             |                   | <del>89-30</del> |                 |             |         | - 5.5       | + 3.1         |                     |                   | 379.3      |     | 420                |         |         |
| 9    |                  | 1870            |                   | <del>89-00</del> |                 |             |         | - 7.1       | + 25.5        |                     |                   | 400.7      | 0   | 419                |         |         |
| 10   |                  | 2310            |                   | 90-10            |                 |             |         | + 13.0      | + 20.5        | 421.2               |                   |            | A   |                    |         |         |
| 11   |                  | 1430            |                   | - 112            |                 |             |         | - 11.0      | - 7.2 - 18.2  |                     |                   | 403.0      |     | 418                |         |         |
| 12   | S                | 550             |                   |                  |                 |             |         | - 8.9       |               |                     |                   | 412.3      |     | 417                |         |         |
| 13   |                  | 0               |                   |                  |                 |             |         | - 5.2       |               |                     |                   | 416.0      |     | TP                 |         |         |
| 14   | N                | 330             |                   |                  |                 |             |         | - 6.3       |               |                     |                   | 414.9      |     | 416                |         |         |
| 15   |                  | 1210            |                   | - 112            |                 |             |         | - 10.3      | - 6.1 - 14.4  |                     |                   | 404.0      |     | 415                |         |         |
| 16   |                  | 2090            |                   | - 112            |                 |             |         | - 10.9      | - 10.5 - 21.4 |                     |                   | 399.8      |     | 414                |         |         |
| 17   |                  | 2970            |                   | 90-10            |                 |             |         | - 12.0      | - 20.6        |                     |                   | 400.6      | 0   | 413                |         |         |
| 18   |                  |                 |                   |                  |                 |             |         |             |               |                     |                   |            |     |                    |         |         |
| 19   |                  |                 |                   |                  |                 |             |         |             |               |                     |                   |            |     |                    |         |         |
| 20   |                  |                 |                   |                  |                 |             |         |             |               |                     |                   |            |     |                    |         |         |

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2nd

**STADIA SURVEY NOTES**

AREA UTUKOK RIVER STATE or PROVINCE AK. PAGE No. 42.  
 LINE No.(s) R3XN PARTY No. 1126 DATE 10 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN. RODMAN A-K. WEATHER: - 5° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | AB.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|--------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                    |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 400.6      | 0   | 413                |         |         |
| 2    |                  | 2640            |                   | 88-55.35 |                 |             |         | + 14.0      | - 35.5      | 265.1               |                   |            | A   |                    |         |         |
| 3    |                  | 1760            |                   | 89-00    |                 |             |         | - 8.0       | + 21.9      |                     |                   | 327.0      |     | 412                |         |         |
| 4    | S.               | 880             |                   | 89-00    |                 |             |         | - 9.2       | + 6.2       |                     |                   | 371.3      |     | 411                |         |         |
| 5    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 359.9      |     | 410                |         |         |
| 6    | N                | 880             |                   | - 12     |                 |             |         | - 10.0      | - 4.4       | - 15.2              |                   | 349.9      |     | 409                |         |         |
| 7    |                  | 1760            |                   | 90-20    |                 |             |         | - 12.0      | - 23.0      |                     |                   | 342.1      | 0   | 408                |         |         |
| 8    |                  | 2310            |                   | 90-20    |                 |             |         | + 11.7      | + 25.1      | 267.2               |                   |            | A   |                    |         |         |
| 9    |                  | 1430            |                   | 91-10    |                 |             |         | - 11.4      | - 40.5      |                     |                   | 326.7      |     | 407                |         |         |
| 10   | S.               | 550             | -                 |          |                 |             |         | - 15.0      |             |                     |                   | 352.2      |     | 406                |         |         |
| 11   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 362.0      |     | -                  |         |         |
| 12   | N                | 330             | -                 |          |                 |             |         | - 10.1      |             |                     |                   | 357.1      |     | 405                |         |         |
| 13   |                  | 1210            |                   | 90-40    |                 |             |         | - 11.9      | - 26.0      |                     |                   | 341.2      |     | 404                |         |         |
| 14   |                  | 1540            |                   | 90-40    |                 |             |         | - 14.0      | - 31.9      |                     |                   | 335.3      | 0   |                    |         |         |
| 15   |                  | 1430            |                   | 89-20    |                 |             |         | + 5.6       | - 11.0      | 324.3               |                   |            | A   |                    |         |         |
| 16   | S.               | 880             | -                 |          |                 |             |         | - 11.3      |             |                     |                   | 313.0      |     | 403                |         |         |
| 17   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 319.1      |     | 402                |         |         |
| 18   | N                | 880             |                   | 89-30    |                 |             |         | - 5.4       | + 2.3       |                     |                   | 326.6      |     | 401                |         |         |
| 19   |                  | 1210            |                   | 89-30    |                 |             |         | - 11.7      | - 1.1       |                     |                   | 323.2      | 0   |                    |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                    |         |         |

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**STADIA SURVEY NOTES**

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 43.  
 LINE No.(s) R2XN PARTY No. 1186 DATE 19 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K WEATHER: - 5° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |           |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | AB.S. OF.S. - S.S. | Station        | REMARKS |
|------|------------------|-----------------|-------------------|-----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|--------------------|----------------|---------|
|      |                  |                 | Level             | Inclined  | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                    |                |         |
| 1    |                  |                 |                   |           |                 |             |         |             |             |                     |                   | 323.2      | 0   |                    |                |         |
| 2    | S.               | 550             |                   | 89-00     |                 |             |         |             | + 2.4       | - 7.0               | 316.2             |            | A   |                    |                |         |
| 3    |                  | 0               | -                 |           |                 |             |         |             | - 5.2       |                     |                   | 311.0      |     | 400                |                |         |
| 4    | N                | 880             |                   | 92-00     |                 |             |         |             | - 2.0       | - 38.7              |                   | 297.5      |     | 399.               |                |         |
| 5    |                  | 1760            |                   | 92-10     |                 |             |         |             | - 11.5      | - 78.0              |                   | 238.2      |     | 398                |                |         |
| 6    |                  | 2640            |                   | 91-30     |                 |             |         |             | - 10.6      | - 79.7              |                   | 236.5      |     | 397.               |                |         |
| 7    |                  | 3520            |                   | 90-50     |                 |             |         |             | - 10.4      | - 61.6              |                   | 254.6      |     | 396.               |                |         |
| 8    |                  | 4400            |                   | 90-40     |                 |             |         |             | - 7.4       | - 58.6              |                   | 257.6      |     | 395                |                |         |
| 9    |                  | 4852            |                   | 90-37-36  |                 |             |         |             | - 5.7       | - 61.6              |                   | 254.6      | 0   | B.M.               | 79274. (25308) |         |
| 10   |                  | ✓               |                   | 269-28-28 |                 |             |         |             | - 5.7       | - 61.5              |                   | 253.5      | OK  |                    |                |         |
| 11   |                  |                 |                   |           |                 |             |         |             |             | VERTICAL            |                   |            |     |                    |                |         |
| 12   |                  |                 |                   |           |                 |             |         |             |             | TIE.                | + 1.1             |            |     |                    |                |         |
| 13   |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                    |                |         |
| 14   |                  | 1200            |                   | 87-13-15  |                 |             |         |             | + 15.0      | - 43.1              | 210.4             |            | A   |                    |                |         |
| 15   | S.               | 770             |                   | 87-10     |                 |             |         |             | - 2.0       | + 29.2              |                   | 239.6      |     | 394.               |                |         |
| 16   |                  | 0               | -                 |           |                 |             |         |             | - 5.2       |                     |                   | 205.2      |     | -                  |                |         |
| 17   | N                | 110             | -                 |           |                 |             |         |             | - 13.0      |                     |                   | 197.4      |     | 393.               |                |         |
| 18   |                  | 990             |                   | 93-20     |                 |             |         |             | - 7.0       | - 64.5              |                   | 145.9      |     | 392.               | RAVINE 110' N  |         |
| 19   |                  | 1870            |                   | 90-40     |                 |             |         |             | - 14.0      | - 35.8              |                   | 174.6      |     | 391.               |                |         |
| 20   |                  | 2420            | -                 |           |                 |             |         |             | - 13.2      | - 13.2              |                   | 197.2      | 0   |                    |                |         |

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**STADIA SURVEY NOTES**

AREA UTUKOK RIVER STATE or PROVINCE AK PAGE No. 44  
 LINE No.(s) R3 XN PARTY No. 1184 DATE 19 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: - 5° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | ABS. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 197.2      | 0   |                   |         |         |
| 2    |                  | 2090            |                   | 90-45-50 |                 |             |         | + 14.0      | + 41.9      |                     | 239.1             |            | Δ   |                   |         |         |
| 3    |                  | 1760            |                   | 90-50    |                 |             |         | - 10.6      | - 36.2      |                     | 202.9             |            |     | 390               |         |         |
| 4    | S.               | 000             |                   | 90-50    |                 |             |         | - 10.7      | - 23.5      |                     | 215.6             |            |     | 389               |         |         |
| 5    |                  | 0               |                   |          |                 |             |         | - 5.2       |             |                     | 233.9             |            |     | 388               |         |         |
| 6    | N                | 000             |                   | 89-30    |                 |             |         | - 4.7       | + 3.0       |                     | 242.1             |            |     | 387               |         |         |
| 7    |                  | 1760            |                   | 89-24-50 |                 |             |         | - 14.0      | + 3.0       |                     | 242.1             |            | 0   | 386               | TP. 15. |         |
| 8    |                  | 2640            |                   | 89-00    |                 |             |         | + 15.0      | - 31.1      | 211.0               |                   |            | Δ   |                   |         |         |
| 9    |                  | 1760            |                   | 89-00    |                 |             |         | - 8.5       | + 22.2      |                     | 233.2             |            |     | 385               |         |         |
| 10   | S.               | 000             |                   | 89-00    |                 |             |         | - 5.5       | + 9.9       |                     | 220.9             |            |     | 384               |         |         |
| 11   |                  | 0               |                   |          |                 |             |         | - 5.2       |             |                     | 205.8             |            |     | 383               |         |         |
| 12   | N                | 550             |                   | 91-20    |                 |             |         | - 12.6      | - 25.4      |                     | 195.6             |            | 0   |                   |         |         |
| 13   |                  | 2090            |                   | 90-40    |                 |             |         | + 12.9      | + 37.2      | 222.8               |                   |            | Δ   |                   |         |         |
| 14   |                  | 1760            |                   | 91-40    |                 |             |         | - 12.4      | - 63.6      |                     | 159.2             |            |     | 382               |         |         |
| 15   | S.               | 000             |                   | 91-40    |                 |             |         | - 8.8       | - 34.4      |                     | 188.4             |            |     | 381               |         |         |
| 16   |                  | 0               |                   |          |                 |             |         | - 5.2       |             |                     | 217.6             |            |     | 380               |         |         |
| 17   | N                | 000             |                   | 89-30    |                 |             |         | - 9.8       | - 2.1       |                     | 220.7             |            | 0   | 379               | TP. 16  |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 45  
 LINE No.(s) R3XN PARTY No. 1184 DATE 19 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A-K WEATHER: - 5° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | Station | REMARKS          |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|---------|------------------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |         |                  |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 220.7      | 0   | 379     |                  |
| 2    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |                  |
| 3    |                  | 2220            |                   | 89-24    |                 |             |         |             | + 15.0      | - 18.7              | 202.0             |            | Δ   |         |                  |
| 4    |                  | 2340            | -                 | + 1/2    |                 |             |         |             | - 1.4       | + 11.7              | + 10.3            | 212.3      |     | 378.    |                  |
| 5    |                  | 1460            | -                 |          |                 |             |         |             | - 9.3       |                     |                   | 192.7      |     | 377     |                  |
| 6    | S.               | 550             | -                 |          |                 |             |         |             | - 6.0       |                     |                   | 196.0      |     | 376.    |                  |
| 7    |                  | 0               | -                 |          |                 |             |         |             | - 5.2       |                     |                   | 196.8      |     | -       |                  |
| 8    | N                | 330             | -                 |          |                 |             |         |             | - 8.7       |                     |                   | 193.3      |     | 375.    |                  |
| 9    |                  | 1210            | -                 |          |                 |             |         |             | - 9.7       |                     |                   | 192.3      |     | 374.    |                  |
| 10   |                  | 2090            | -                 |          |                 |             |         |             | - 10.5      |                     |                   | 191.5      |     | 373.    |                  |
| 11   |                  | 2915            |                   | 90-03    |                 |             |         |             | - 14.0      | - 16.5              |                   | 185.5      | 0   | B.M.    | 79273. (18533)   |
| 12   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 185.3      |     |         |                  |
| 13   |                  |                 |                   |          |                 |             |         |             |             | VERTICAL TIE        |                   | + 0.2      |     |         |                  |
| 14   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |                  |
| 15   |                  | 2675            |                   | 90-13-39 |                 |             |         |             | + 14.0      | + 24.6              | 209.9             |            | Δ   |         |                  |
| 16   |                  | 2640            |                   | 90-20    |                 |             |         |             | - 10.7      | - 26.1              |                   | 183.8      |     | 372     |                  |
| 17   |                  | 1760            |                   | 92-25-33 |                 |             |         |             | - 14.0      | - 93.9              |                   | 116.0      |     | 371     | (+ 5.5' Bore ST) |
| 18   | S.               | 880             |                   | 92-20    |                 |             |         |             | - 8.7       | - 44.5              |                   | 165.4      |     | 370     | CRREEK.          |
| 19   |                  | 0               | -                 |          |                 |             |         |             | - 5.2       |                     |                   | 204.7      |     | 369     |                  |
| 20   | N                | 880             |                   | 88-30    |                 |             |         |             | - 6.5       | + 16.5              |                   | 226.4      | 0   | 368     | TP. 17           |

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**STADIA SURVEY NOTES**

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 46.  
 LINE No.(s) R3XN PARTY No. 1186 DATE 20 Day 1 Mo. 77 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN AK. WEATHER: - 10° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | ABS. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 226.4      | 0   | TP                | 17      |         |
| 2    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 3    | S                | 080             |                   | 89-40    |                 |             |         | + 5.4       | + 0.3       | 226.7               |                   |            | Δ   |                   |         |         |
| 4    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 221.5      |     | 367               |         |         |
| 5    | N                | 080             |                   | 91-00    |                 |             |         | - 9.3       | - 24.7      |                     |                   | 202.0      |     | 366               |         |         |
| 6    | N                | 1430            |                   | 90-30    |                 |             |         | - 11.2      | - 23.7      |                     |                   | 203.0      | 0   |                   |         |         |
| 7    |                  | 1210            | -                 |          |                 |             |         | + 11.6      | + 11.6      | 214.6               |                   |            | Δ   |                   |         |         |
| 8    | S.               | 080             |                   | 91-00    |                 |             |         | - 12.0      | - 28.2      |                     |                   | 186.4      |     | 365               |         |         |
| 9    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 209.4      |     | 364               |         |         |
| 10   | N                | 080             | -                 |          |                 |             |         | - 12.4      | - 12.4      |                     |                   | 202.2      | 0   | 363               |         |         |
| 11   |                  | 2140            |                   | 90-35-17 |                 |             |         | + 14.0      | + 41.1      | 243.3               |                   |            | Δ   |                   |         |         |
| 12   |                  | 1760            |                   | 92-00    |                 |             |         | - 12.3      | - 74.1      |                     |                   | 169.2      |     | 362               |         |         |
| 13   | S.               | 080             |                   | 92-00    |                 |             |         | - 6.0       | - 36.7      |                     |                   | 206.6      |     | 361               |         |         |
| 14   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 238.1      |     | 360               |         |         |
| 15   | N                | 080             |                   | 89-20    |                 |             |         | - 2.2       | + 8.0       |                     |                   | 251.3      |     | 359               |         |         |
| 16   |                  | 1430            |                   | 89-10    |                 |             |         | - 12.3      | + 8.5       |                     |                   | 251.8      | 0   |                   |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |

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**STADIA SURVEY NOTES**

AREA UTUKOK. RIVER STATE or PROVINCE AK. PAGE No. 47.  
 LINE No.(s) R3XN PARTY No. 1186 DATE 20 Day 1 Mo. 77 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: - 20<sup>o</sup> P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |       | AB.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-------|--------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD   |                    |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            | 251.8 | 0                  |         |         |
| 2    |                  | 2090            |                   | 89-38-31 |                 |             |         | + 14.0      |             | + 0.9               |                   | 252.7      |       | A                  |         |         |
| 3    |                  | 1760            |                   | 89-40    |                 |             |         | - 13.0      |             | - 2.8               |                   |            | 249.9 |                    | 358     |         |
| 4    | S.               | 880             | -                 |          |                 |             |         | - 4.7       |             |                     |                   |            | 248.0 |                    | 357     |         |
| 5    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   |            | 247.5 |                    | 356     |         |
| 6    | N                | 880             | -                 |          |                 |             |         | - 12.2      |             |                     |                   |            | 240.5 |                    | 355     |         |
| 7    |                  | 1760            | -                 |          |                 |             |         | - 8.0       |             |                     |                   |            | 244.7 |                    | 354     |         |
| 8    |                  | 2640            |                   | 89-46-52 |                 |             |         | - 14.0      |             | - 3.9               |                   |            | 248.8 | 0                  | 353     |         |
| 9    |                  | 2640            |                   | 89-56-06 |                 |             |         | + 14.0      |             | + 11.0              |                   | 259.8      |       | A                  |         |         |
| 10   |                  | 1760            |                   |          |                 |             |         | - 8.4       |             |                     |                   |            | 251.4 |                    | 352     |         |
| 11   | S.               | 880             |                   |          |                 |             |         | - 6.8       |             |                     |                   |            | 253.0 |                    | 351     |         |
| 12   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   |            | 254.6 |                    | 350     |         |
| 13   | N                | 880             | -                 |          |                 |             |         | - 2.7       |             |                     |                   |            | 257.1 |                    | 349     |         |
| 14   |                  | 1760            | -                 |          |                 |             |         | - 4.0       |             |                     |                   |            | 255.8 |                    | 348     |         |
| 15   |                  | 2640            |                   | 89-50-28 |                 |             |         | - 14.0      |             | - 6.7               |                   |            | 253.1 | 0                  | 347     |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |

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**STADIA SURVEY NOTES**

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 48  
 LINE No.(s) R3XN PARTY No. 1186 DATE 20 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: -20° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |       | AB.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-------|--------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD   |                    |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            | 253.1 | 0                  | 347     |         |
| 2    |                  | 2640            |                   | 89-42    |                 |             |         | + 14.0      | + 0.2       |                     | 253.3             |            |       | Δ                  |         |         |
| 3    |                  | 1760            | -                 |          |                 |             |         | - 3.3       |             |                     |                   |            | 250.0 |                    | 346     |         |
| 4    | S.               | 880             | -                 |          |                 |             |         | - 5.0       |             |                     |                   |            | 248.3 |                    | 345     |         |
| 5    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   |            | 248.1 |                    | 344     |         |
| 6    | N                | 880             | -                 |          |                 |             |         | - 3.7       |             |                     |                   |            | 249.6 |                    | 343     |         |
| 7    |                  | 1760            |                   | + 1/2    |                 |             |         | - 9.4       | + 8.8       | - 0.6               |                   |            | 252.7 |                    | 342     |         |
| 8    |                  | 2640            |                   | 89-39    |                 |             |         | - 14.0      | + 2.1       |                     |                   |            | 255.4 | 0                  | 341     |         |
| 9    |                  | 2640            |                   | 89-59    |                 |             |         | + 14.0      | + 13.2      |                     | 268.6             |            |       | Δ                  |         |         |
| 10   |                  | 1760            | -                 |          |                 |             |         | - 10.3      |             |                     |                   |            | 258.3 |                    | 340     |         |
| 11   | S.               | 880             | -                 |          |                 |             |         | - 7.0       |             |                     |                   |            | 261.6 |                    | 339     |         |
| 12   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   |            | 263.4 |                    | 338     |         |
| 13   | N                | 880             | -                 |          |                 |             |         | - 3.5       |             |                     |                   |            | 265.1 |                    | 337     |         |
| 14   |                  | 1760            |                   | 89-40    |                 |             |         | - 9.0       | + 1.2       |                     |                   |            | 269.8 |                    | 336     |         |
| 15   |                  | 2640            |                   | 89-30    |                 |             |         | - 14.4      | + 8.6       |                     |                   |            | 273.2 | 0                  | 335     |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 49  
 LINE No.(s) R3XN PARTY No. 1186 DATE 20 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: -20° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |       | AB.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-------|--------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD   |                    |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            | 277.2 | 0                  | 335     |         |
| 2    | S.               | 000             | -                 |          |                 |             |         | + 12.2      |             | + 12.2              |                   | 289.4      |       | Δ                  |         |         |
| 3    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 284.2      |       |                    | 334     | TP.     |
| 4    | N                | 000             | -                 |          |                 |             |         | - 11.7      |             |                     |                   | 277.7      |       |                    | 333     |         |
| 5    |                  | 1760            |                   | 90-10    |                 |             |         | - 12.5      |             | - 17.6              |                   | 271.8      | 0     |                    | 332     |         |
| 6    |                  | 2640            |                   | 87-26-28 |                 |             |         | + 15.0      |             | - 10.8              | 261.0             |            |       | Δ                  |         |         |
| 7    |                  | 1760            |                   | + 1/2    |                 |             |         | - 5.4       | + 8.8       | + 3.4               |                   | 264.4      |       |                    | 331     |         |
| 8    | S.               | 000             |                   | + 1/2    |                 |             |         | - 4.5       | + 4.4       | - 0.1               |                   | 260.9      |       |                    | 330     |         |
| 9    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 255.8      |       |                    | 329     |         |
| 10   | N                | 000             |                   | 90-30    |                 |             |         | - 7.0       |             | - 14.7              |                   | 246.3      |       |                    | 328     |         |
| 11   |                  | 1430            |                   | 90-30    |                 |             |         | - 14.1      |             | - 26.6              |                   | 234.4      | 0     |                    |         |         |
| 12   |                  | 1210            |                   | 88-00    |                 |             |         | + 4.3       |             | - 37.9              | 176.5             |            |       | Δ                  |         |         |
| 13   | S.               | 000             |                   | 00-00    |                 |             |         | - 8.0       |             | + 22.7              |                   | 219.2      |       |                    | 327     |         |
| 14   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 191.3      |       |                    | 326     |         |
| 15   | N                | 000             | -                 |          |                 |             |         | - 13.0      |             |                     |                   | 183.5      |       |                    | 325     |         |
| 16   |                  | 1760            | -                 |          |                 |             |         | - 12.0      |             |                     |                   | 184.5      |       |                    | 324     |         |
| 17   |                  | 2640            |                   | + 1/2    |                 |             |         | - 10.0      | + 13.2      | + 3.2               |                   | 199.7      |       |                    | 323     |         |
| 18   |                  | 3520            |                   | 87-30    |                 |             |         | - 8.0       |             | + 22.7              |                   | 217.2      |       |                    | 322     |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                    |         |         |

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**STADIA SURVEY NOTES**

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 50  
 LINE No.(s) R3XN PARTY No. 1126 DATE 20 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN AK WEATHER: -20° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |           |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | ABS. OF S. - S.S. | Station | REMARKS  |
|------|------------------|-----------------|-------------------|-----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|----------|
|      |                  |                 | Level             | Inclined  | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                   |         |          |
| 1    |                  |                 |                   |           |                 |             |         |             |             |                     |                   | 196.5      |     |                   |         |          |
| 2    | N                | 4400            |                   | 89-20     |                 |             |         | -           | 10.0        | + 41.2              |                   | 237.7      |     | 321.              |         |          |
| 3    |                  | 5280            |                   | 89-20     |                 |             |         | -           | 8.0         | + 53.4              |                   | 249.9      |     | 320.              |         |          |
| 4    |                  | 5704            |                   | 89-17-17  |                 |             |         | -           | 15.0        | + 55.7              | + 55.6            | 252.1      | ⊙   | B.M.              | 79271   | (250.35) |
| 5    |                  | ✓               |                   | 270-42-20 |                 |             |         | -           | 15.0        | + 55.2              |                   | 250.4      | CK  |                   |         |          |
| 6    |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |
| 7    |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |
| 8    |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |
| 9    |                  | 1340            |                   | 89-30     |                 |             |         | +           | 9.0         | - 2.7               |                   | 247.7      |     | Δ                 |         |          |
| 10   | S.               | 880             |                   | +112      |                 |             |         | -           | 3.0         | +4.4                | + 1.4             |            |     | 319.              |         |          |
| 11   |                  | 0               | -                 |           |                 |             |         | -           | 5.2         |                     |                   |            |     | 318               |         |          |
| 12   | N                | 880             | -                 |           |                 |             |         | -           | 7.1         |                     |                   |            |     | 317.              |         |          |
| 13   |                  | 1760            | -                 |           |                 |             |         | -           | 13.3        |                     |                   |            |     | 316.              |         |          |
| 14   |                  | 2640            |                   | 90-04-46  |                 |             |         | -           | 14.0        | - 17.7              |                   |            | ⊙   | 315.              |         |          |
| 15   |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |
| 16   |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |
| 17   |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |
| 18   |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |
| 19   |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |
| 20   |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |          |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 51  
 LINE No.(s) R3XN PARTY No. 1186 DATE 20 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN AK WEATHER: -20° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |       | Abs. OF S. - S.S. | Station | REMARKS     |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-------|-------------------|---------|-------------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD   |                   |         |             |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            | 230.0 | 0                 | 315     |             |
| 2    |                  | 1760            |                   | 89-40    |                 |             |         | + 10.0      | - 0.2       |                     | 229.8             |            |       | Δ                 |         |             |
| 3    | S.               | 880             | -                 |          |                 |             |         | - 10.0      |             |                     |                   |            | 219.0 |                   | 314     |             |
| 4    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   |            | 224.6 |                   | 313     |             |
| 5    | N                | 880             |                   | 92-30    |                 |             |         | - 5.6       | - 43.9      |                     |                   |            | 185.9 |                   | 312     | DEPRESSION. |
| 6    |                  | 1430            |                   | 87-40    |                 |             |         | - 10.0      | - 1.7       |                     |                   |            | 228.1 | 0                 |         |             |
| 7    |                  | 1210            |                   | 88-30    |                 |             |         | + 7.0       | - 24.7      | 203.4               |                   |            |       | Δ                 |         |             |
| 8    | S.               | 880             |                   | 89-00    |                 |             |         | - 8.5       | + 6.9       |                     |                   |            | 210.3 |                   | 311     |             |
| 9    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   |            | 198.2 |                   | 310.    |             |
| 10   | N                | 880             | -                 |          |                 |             |         | - 5.0       |             |                     |                   |            | 198.4 |                   | 309.    |             |
| 11   |                  | 1760            |                   | 87-00    |                 |             |         | - 4.3       | + 26.4      |                     |                   |            | 229.8 | 0                 | 308     |             |
| 12   |                  | 2640            |                   | 89-36-08 |                 |             |         | + 15.0      | - 3.3       | 226.5               |                   |            |       | Δ                 |         |             |
| 13   |                  | 1760            | -                 |          |                 |             |         | - 3.1       |             |                     |                   |            | 223.4 |                   | 307     |             |
| 14   | S.               | 880             | -                 |          |                 |             |         | - 3.1       |             |                     |                   |            | 223.4 |                   | 306     |             |
| 15   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   |            | 221.3 |                   | 305.    |             |
| 16   | N                | 880             | -                 |          |                 |             |         | - 12.4      |             |                     |                   |            | 214.1 |                   | 304     |             |
| 17   |                  | 1760            |                   | 90-22-10 |                 |             |         | - 14.0      | - 25.3      |                     |                   |            | 201.2 | 0                 | 303.    |             |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                   |         |             |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                   |         |             |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |       |                   |         |             |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 52.  
 LINE No.(s) R3XN- PARTY No. 1186. DATE 20. Day 1 Mo. 79. Yr. BOOK No. 1  
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: -20° P.T.S. No. 1

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS  |       | A.B.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|---------------------|-------------------|-------------|-------|---------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion |                     |                   | Center Hair | INST. |                     |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |                     |                   | 201.2       | ⊙     | 303                 |         |         |
| 2    |                  | 1760            |                   | 00-54-50 |                 |             | + 15.0  | - 18.4      | 182.8               |                   |             | Δ     |                     |         |         |
| 3    | S.               | 800             | -                 |          |                 |             | - 10.6  |             |                     | 172.2             |             |       | 302                 |         |         |
| 4    |                  | 0               | -                 |          |                 |             | - 5.2   |             |                     | 177.6             |             |       | 301                 |         |         |
| 5    | N                | 080             |                   | 00-30    |                 |             | - 6.4   | + 16.6      |                     | 179.4             |             |       | 300                 |         |         |
| 6    |                  | 1430            |                   | 00-40    |                 |             | - 13.6  | + 19.7      |                     | 202.5             | ⊙           |       |                     |         |         |
| 7    |                  | 660             | -                 |          |                 |             | + 3.8   | + 3.8       | 206.3               |                   |             | Δ     |                     |         |         |
| 8    | S.               | 330             | -                 |          |                 |             | - 2.4   |             |                     | 203.9             |             |       | 299                 |         |         |
| 9    |                  | 0               | -                 |          |                 |             | - 5.2   |             |                     | 201.1             |             |       | -                   |         |         |
| 10   | N                | 550             |                   | 92-00    |                 |             | - 7.8   | - 27.0      |                     | 179.3             |             |       | 298                 |         |         |
| 11   |                  | 1430            |                   | 90-40    |                 |             | - 11.3  | - 27.7      |                     | 178.4             | ⊙           |       | 297                 |         |         |
| 12   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |
| 13   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |
| 14   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |
| 15   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |
| 16   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                     |         |         |

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**STADIA SURVEY NOTES**

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 53  
 LINE No.(s) R3 X N PARTY No. 1186 DATE 22 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: SNOW, WIND. P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS  |       | ABS. OF S. - S.S. | Station        | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|---------------------|-------------------|-------------|-------|-------------------|----------------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion |                     |                   | Center Hair | INST. |                   |                |         |
| 1    |                  |                 |                   |          |                 |             |         |             |                     |                   | 178.4       | 0     | 257               |                |         |
| 2    |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                   |                |         |
| 3    |                  | 2310            |                   | 70-40    |                 |             |         | + 10.4      | + 37.3              | 215.7             |             | Δ     |                   |                |         |
| 4    |                  | 1430            |                   | 91-00    |                 |             |         | - 11.4      | - 36.4              |                   | 179.3       |       | 296               |                |         |
| 5    | S.               | 550             |                   | 91-30    |                 |             |         | - 11.3      | - 25.7              |                   | 190.0       |       | 295               |                |         |
| 6    |                  | 0               | -                 |          |                 |             |         | - 5.2       |                     |                   | 210.5       |       |                   |                |         |
| 7    | N                | 330             | -                 |          |                 |             |         | - 4.4       |                     |                   | 211.3       |       | 294               |                |         |
| 8    |                  | 1210            | -                 |          |                 |             |         | - 11.4      |                     |                   | 204.3       |       | 293               |                |         |
| 9    |                  | 1374            | -                 |          |                 |             |         | - 12.2      | - 12.2              |                   | 203.5       | 0     | B.M.              | 79270 (201.51) |         |
| 10   |                  |                 |                   |          |                 |             |         |             |                     |                   | 201.5       |       |                   |                |         |
| 11   |                  |                 |                   |          |                 |             |         |             | VERTICAL            |                   | + 2.0       |       |                   |                |         |
| 12   |                  |                 |                   |          |                 |             |         |             | TIE.                |                   |             |       |                   |                |         |
| 13   |                  | 1706            |                   | 89-30    |                 |             |         | + 10.4      | - 4.5               | 197.0             |             | Δ     |                   |                |         |
| 14   |                  | 990             |                   | +112     |                 |             |         | - 5.8       | + 5.0 - 0.8         |                   | 196.2       |       | 212               |                |         |
| 15   | S.               | 110             | -                 |          |                 |             |         | - 5.2       |                     |                   | 191.8       |       | 211               |                |         |
| 16   |                  | 0               | -                 |          |                 |             |         | - 5.2       |                     |                   | 191.8       |       |                   |                |         |
| 17   | N                | 770             | -                 |          |                 |             |         | - 6.0       |                     |                   | 191.0       |       | 290               |                |         |
| 18   |                  | 1650            | -                 |          |                 |             |         | - 8.2       | - 8.2               |                   | 188.8       | 0     | 289               |                |         |
| 19   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                   |                |         |
| 20   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                   |                |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 54  
 LINE No.(s) R3XN PARTY No. 1186 DATE 22 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: SNOW, WIND. P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS  |       | Abs. of S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|---------------------|-------------------|-------------|-------|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion |                     |                   | Center Hair | INST. |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |                     |                   | 188.8       | 0     | 281               |         |         |
| 2    |                  | 1650            | -                 |          |                 |             |         |             |                     |                   | 195.8       | Δ     |                   |         |         |
| 3    | S.               | 770             | -                 |          |                 |             |         |             |                     |                   | 188.4       |       | 280               |         |         |
| 4    |                  | 0               | -                 |          |                 |             |         |             |                     |                   | 190.6       |       | -                 |         |         |
| 5    | N                | 110             | -                 |          |                 |             |         |             |                     |                   | 191.0       |       | 287               |         |         |
| 6    |                  | 990             |                   | +1/2     |                 |             |         |             | +5.0                | +0.7              | 196.5       |       | 286               |         |         |
| 7    |                  | 1270            |                   | 89-40    |                 |             |         |             | -                   | 0.7               | 195.1       | 0     | 285               |         |         |
| 8    |                  | 1210            |                   | 89-00    |                 |             |         |             |                     |                   | 188.6       | Δ     |                   |         |         |
| 9    | S.               | 330             |                   | 89-00    |                 |             |         |             |                     |                   | 189.7       |       | 284               |         |         |
| 10   |                  | 0               | -                 |          |                 |             |         |             |                     |                   | 183.4       |       | -                 |         |         |
| 11   | N                | 550             | -                 |          |                 |             |         |             |                     |                   | 178.1       |       | 283               |         |         |
| 12   |                  | 1430            |                   | 90-10    |                 |             |         |             |                     |                   | 173.4       |       | 282               |         |         |
| 13   |                  | 2310            |                   | 90-10    |                 |             |         |             |                     |                   | 167.4       | 0     | 281               |         |         |
| 14   |                  | 1710            |                   | 89-30    |                 |             |         |             |                     |                   | 163.9       | Δ     |                   |         |         |
| 15   | S.               | 880             |                   | +1/2     |                 |             |         |             |                     |                   | 164.0       |       | 280               |         |         |
| 16   |                  | 0               | -                 |          |                 |             |         |             |                     |                   | 158.7       |       | 279               |         |         |
| 17   | N                | 880             |                   | -1/2     |                 |             |         |             |                     |                   | 144.9       |       | 278               |         |         |
| 18   |                  | 1760            | -                 |          |                 |             |         |             |                     |                   | 152.1       |       | 277               |         |         |
| 19   |                  | 2640            | -                 |          |                 |             |         |             |                     |                   | 150.4       | 0     | 276               |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |                     |                   |             |       |                   |         |         |

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**STADIA SURVEY NOTES**

AREA \_\_\_\_\_ STATE or PROVINCE AK PAGE No. 55  
 LINE No.(s) R3XN PARTY No. 1186 DATE 22 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN RODMAN A.K. WEATHER: SNOW WIND. P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 150.4      | ⊙   | 276     |         |
| 2    | S.               | 880             |                   | 87-10    |                 |             |         | + 7.2       | - 5.6       | 144.8               |                   | 139.6      | Δ   |         |         |
| 3    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 139.6      |     | 275     |         |
| 4    | N                | 880             |                   | 91-30    |                 |             |         | - 6.2       | - 29.2      |                     |                   | 115.6      |     | 274     |         |
| 5    |                  | 1760            |                   | 91-10    |                 |             |         | - 11.4      | - 47.2      |                     |                   | 97.6       |     | 273     |         |
| 6    |                  | 2640            |                   | 90-30    |                 |             |         | - 13.6      | - 36.6      |                     |                   | 108.2      | ⊙   | 272     |         |
| 7    | S.               | 770             |                   | 89-05    |                 |             |         | + 3.4       | - 10.0      | 98.2                |                   |            | Δ   |         |         |
| 8    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 92.0       |     |         |         |
| 9    | 4                | 110             |                   | 93-32-07 |                 |             |         | - 4.0       | - 10.8      |                     |                   | 87.4       |     | 271     |         |
| 10   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         | CREEK.  |
| 11   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |
| 12   | N                | 990             |                   | 90-40    |                 |             |         | - 7.8       | - 19.3      |                     |                   | 78.9       |     | 270     |         |
| 13   |                  | 1860            |                   | 88-40    |                 |             |         | - 13.4      | + 29.9      |                     |                   | 128.1      | ⊙   | 269     |         |
| 14   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |
| 15   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |         |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 56.  
 LINE No.(s) R3XN. PARTY No. 1186. DATE 23. Day 1. Mo. 79. Yr. BOOK No. 7  
 SURVEYOR L. LYMAN. RODMAN AK. WEATHER: -10° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | B.S. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 128.1      | 0   | 269.              |         |         |
| 2    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 3    |                  | 1210            |                   | 91-45    |                 |             |         | + 13.0      | + 34.1      |                     | 162.2             |            | Δ   |                   |         |         |
| 4    | S.               | 330             | -                 |          |                 |             |         | - 8.4       |             |                     |                   | 153.6      |     | 268.              |         |         |
| 5    |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 157.0      |     | -                 |         |         |
| 6    | N                | 550             | -                 |          |                 |             |         | - 7.3       |             |                     |                   | 154.9      |     | 267.              |         |         |
| 7    |                  | 220             | -                 |          |                 |             |         | - 11.0      | - 11.0      |                     |                   | 151.2      | 0   | 8.M.              | 79269.  | (14992) |
| 8    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 149.7      |     |                   |         |         |
| 9    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 10   |                  |                 |                   |          |                 |             |         |             |             | VERTICAL.           |                   | + 1.3      |     |                   |         |         |
| 11   |                  |                 |                   |          |                 |             |         |             |             | TIE.                |                   |            |     |                   |         |         |
| 12   |                  |                 |                   | 90-20    |                 |             |         | - 14.8      |             |                     |                   |            |     |                   | 266     |         |
| 13   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 14   | S.               | 630             |                   | 88-30    |                 |             |         | + 8.8       | - 7.7       |                     | 142.2             |            | Δ   |                   |         |         |
| 15   |                  | 0               | -                 |          |                 |             |         | - 5.2       |             |                     |                   | 137.0      |     | 266               |         |         |
| 16   | N                | 260             |                   | 91-00    |                 |             |         | - 5.0       | - 20.4      |                     |                   | 121.8      |     | 265.              |         |         |
| 17   |                  | 1760            |                   | 89-40    |                 |             |         | - 6.0       | + 4.2       |                     |                   | 141.4      |     | 264.              |         |         |
| 18   |                  | 2640            |                   | 89-24    |                 |             |         | - 14.0      | + 12.1      |                     |                   | 154.3      | 0   | 263.              |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |

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### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE AK. PAGE No. 57  
 LINE No.(s) R3XN. PARTY No. 1186. DATE 23 Day 1 Mo. 79 Yr. BOOK No: 1  
 SURVEYOR L. LYMAN. RODMAN AK. WEATHER: -10° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |           |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | Abs. OF S. - S.S. | Station | REMARKS         |
|------|------------------|-----------------|-------------------|-----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|-----------------|
|      |                  |                 | Level             | Inclined  | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                   |         |                 |
| 1    |                  |                 |                   |           |                 |             |         |             |             |                     |                   | 154.3      | 0   | 263               |         |                 |
| 2    |                  | 1760            | -                 |           |                 |             |         | + 11.7      |             | + 11.7              | 166.0             |            | Δ   |                   |         |                 |
| 3    | S.               | 000             |                   | 93-00     |                 |             |         | - 0.0       |             | - 54.0              |                   | 112.0      |     | 262               |         | gULLEY.         |
| 4    |                  | 0               | -                 |           |                 |             |         | - 5.2       |             |                     |                   | 160.9      |     | 261.              |         |                 |
| 5    | N                | 500             |                   | 89-00     |                 |             |         | - 0.4       |             | + 1.7               |                   | 167.7      | 0   | 8.M.              |         | 79 260 (166 83) |
| 6    |                  |                 |                   |           |                 |             |         |             |             |                     |                   | 166.8      |     |                   |         |                 |
| 7    |                  |                 |                   |           |                 |             |         |             |             | VERTICAL TIE        |                   | +0.9       |     |                   |         |                 |
| 8    |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |                 |
| 9    |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |                 |
| 10   | S.               | 300             | -                 |           |                 |             |         | + 2.6       |             | + 2.6               | 169.4             |            | Δ   |                   |         |                 |
| 11   |                  | 0               | -                 |           |                 |             |         | - 5.2       |             |                     |                   | 164.2      |     | 260.              |         |                 |
| 12   | N                | 000             |                   | 92-20     |                 |             |         | - 5.4       |             | - 11.2              |                   | 164.0      |     | 259.              |         | 128.2           |
| 13   |                  | 1760            |                   | 91-40     |                 |             |         | - 10.7      |             | - 61.9              |                   | 107.5      | 0   | 258.              |         |                 |
| 14   |                  | ✓               |                   | 260-26-30 |                 |             |         | - 14.0      |             | - 11.8              |                   |            |     | CK                |         |                 |
| 15   |                  | 2640            | -                 |           |                 |             |         | + 12.1      |             | + 12.1              | 119.6             |            | Δ   |                   |         |                 |
| 16   |                  | ✓               |                   | 270-02-19 |                 |             |         | + 14.0      |             | + 12.2              |                   |            |     | CK                |         |                 |
| 17   |                  | 1760            |                   | 90-30     |                 |             |         | - 10.4      |             | - 25.8              |                   | 93.8       |     | 257               |         |                 |
| 18   | S.               | 000             |                   | 90-30     |                 |             |         | - 10.5      |             | - 18.2              |                   | 101.4      |     | 256               |         |                 |
| 19   |                  | 0               | -                 |           |                 |             |         | - 5.2       |             |                     |                   | 114.4      |     | 255.              |         |                 |
| 20   |                  |                 |                   |           |                 |             |         |             |             |                     |                   |            |     |                   |         |                 |

TI-588B

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**STADIA SURVEY NOTES**

AREA UTUKOK. RIVER. STATE or PROVINCE AK PAGE No. 33  
 LINE No.(s) B3-XN. PARTY No. 1106 DATE 16 Day 1 Mo. 79 Yr. BOOK No. 1  
 SURVEYOR L. LYMAN. RODMAN A.K. WEATHER: MILD P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS           |     | AB.S. OF.S. -S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|----------------------|-----|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.                | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 1016.0               | 0   | TP.               | 4       |         |
| 2    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                      |     |                   |         |         |
| 3    | S.               | 460             |                   | 84-50    |                 |             |         | +           | 7.5         | -                   | 33.8              | 982.2                |     | Δ                 |         |         |
| 4    |                  | 0               | -                 |          |                 |             |         |             | -           | 5.2                 |                   | 977.0                |     | #                 | 7       | 7.5.    |
| 5    | N                | 170             |                   | 96.00    |                 |             |         |             | -           | 10.0                |                   | 902.5                | 0   | B.M.              | 7       | 8.00    |
| 6    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 903.73               |     |                   |         |         |
| 7    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | VERTICAL TIE. - 1.2. |     |                   |         |         |
| 8    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                      |     |                   |         |         |
| 9    |                  | 2200            |                   | 87-40    |                 |             |         | +           | 13.0        | -                   | 76.5              | 827.2                |     | Δ                 |         |         |
| 10   | S.               | 2090            |                   | 87-50    |                 |             |         |             | -           | 9.3                 | +                 | 69.7                 |     |                   | 500.    |         |
| 11   |                  | 1210            | -                 |          |                 |             |         |             | -           | 9.7                 |                   | 817.5                |     |                   | 499     |         |
| 12   | S.               | 330             | -                 | 92-40    |                 |             |         |             | -           | 13.0                | -                 | 28.3                 |     |                   | 498     |         |
| 13   |                  | 0               | -                 |          |                 |             |         |             | -           | 5.2                 |                   | 822.0                |     |                   | -       |         |
| 14   | N                | 550             |                   | 90-30    |                 |             |         |             | -           | 13.9                | -                 | 18.7                 |     | 0                 | 497     |         |
| 15   |                  | 1260            |                   | 86-40    |                 |             |         | +           | 7.8         | -                   | 94.4              | 714.1                |     | Δ                 |         |         |
| 16   | S.               | 880             |                   | 87-00    |                 |             |         |             | -           | 9.0                 | +                 | 37.0                 |     |                   | 496     |         |
| 17   |                  | 0               | -                 |          |                 |             |         |             | -           | 5.2                 |                   | 708.9                |     |                   | 495     |         |
| 18   | N                | 880             |                   | 92-10    |                 |             |         |             | -           | 6.1                 | -                 | 39.3                 |     |                   | 494     |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                      |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                      |     |                   |         |         |

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L.J.L.

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