

### STADIA SURVEY NOTES

AREA NPR 4 STATE or PROVINCE ALASKA PAGE No. 1  
 LINE No.(s) 74-11 PARTY No. 186 DATE 8 Day 4 Mo. 74 Yr. BOOK No. -  
 SURVEYOR L. LYMAN RODMAN DEWITT WEATHER: COLD WINDY 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 | Correction | Center Hair |                     |                   | INST.      | ROD  |                   |             |               |
| 1    |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            | 11.0 | 0                 | #12         |               |
| 2    |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |      |                   |             |               |
| 3    |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |      |                   |             |               |
| 4    |                  | 2700            | -                 |          |                 |             |         |            |             |                     | 17.3              |            |      |                   |             |               |
| 5    | NW               | 1920            | -                 |          |                 |             |         |            |             |                     |                   |            | 8.9  |                   | #6          |               |
| 6    |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |      |                   |             |               |
| 7    |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            | 12.0 |                   | 11-1        |               |
| 8    | SE               | 1820            | -                 |          |                 |             |         |            |             |                     |                   |            | 11.1 |                   | 11-2        |               |
| 9    |                  | 2000            |                   |          |                 |             |         |            |             |                     |                   |            | 14.9 | 0                 | 11-3        |               |
| 10   |                  |                 |                   | 2700-02  | 0.29            |             |         |            |             |                     |                   |            |      |                   |             |               |
| 11   |                  | 2700            | -                 |          |                 |             |         |            |             |                     |                   |            |      |                   |             |               |
| 12   |                  |                 |                   | 2700-02  | 0.06            |             |         |            |             |                     |                   |            |      |                   |             |               |
| 13   |                  | 1650            | -                 |          |                 |             |         |            |             |                     |                   |            |      |                   |             |               |
| 14   | NW               | 730             | -                 |          |                 |             |         |            |             |                     |                   |            | 16.1 |                   | 11-4        |               |
| 15   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            | 19.2 |                   | 11-5        |               |
| 16   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            | 18.5 |                   |             | 74-11<br>74-9 |
| 17   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |      |                   |             |               |
| 18   |                  | 218             | -                 |          |                 |             |         |            |             |                     |                   |            | 19.9 |                   | SP. 74-9-02 |               |
| 19   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |      |                   |             |               |
| 20   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |      |                   |             |               |

### STADIA SURVEY NOTES

AREA NP.R. 4. STATE or PROVINCE ALASKA PAGE No. 2  
 LINE No.(s) 74 11. PARTY No. 156. DATE 8. Day 4. Mo. 74. Yr. BOOK No.  
 SURVEYOR L. LYMAN. RODMAN DEWITT. WEATHER: COOD. 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 | Correction | Center Hair |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |            |             |                     |                   | 23.7       |     |                   |         |         |
| 2    | SE.              | 990             | -                 |          |                 |             |         |            |             |                     |                   | 14.7       |     | 11-6              |         |         |
| 3    |                  | 2310            | -                 |          |                 |             |         |            |             |                     |                   | 13.1       | 0   | 11-7.             |         |         |
| 4    |                  | ✓               |                   | 269-50   | 0.29.           |             |         |            |             | 6.7                 |                   | 10.8       |     | CK.               |         |         |
| 5    |                  | 2640            | -                 |          |                 |             |         |            |             |                     |                   | 18.9       |     | Δ                 |         |         |
| 6    |                  | ✓               |                   | 270-10   | 0.29.           |             |         |            |             | 7.7                 |                   | 5.9        |     | CK.               |         |         |
| 7    | NW.              | 1320            | -                 |          |                 |             |         |            |             |                     |                   | 15.1       |     | 11-8              |         |         |
| 8    |                  | 0               | -                 |          |                 |             |         |            |             |                     |                   | 13.7       |     | 11-9.             |         |         |
| 9    | SE.              | 1320            | -                 |          |                 |             |         |            |             |                     |                   | 15.1       |     | 11-10             |         |         |
| 10   |                  | 2640            |                   | +1/2     |                 |             |         |            |             |                     |                   | 22.8       | 0   | 11-11.            |         |         |
| 11   |                  | ✓               |                   | 270-20   | 0.58            |             |         |            |             |                     |                   |            |     | CK.               |         |         |
| 12   |                  | 2640            | -                 |          |                 |             |         |            |             |                     |                   | 25.3       |     | Δ                 |         |         |
| 13   |                  | ✓               |                   | 270-10   |                 |             |         |            |             | 7.7                 |                   | 2.6        |     | CK.               |         |         |
| 14   | NW.              | 1320            | -                 |          |                 |             |         |            |             |                     |                   | 22.2       |     | 11-12             |         |         |
| 15   |                  | 0               | -                 |          |                 |             |         |            |             |                     |                   | 20.0       |     | 11-13.            |         |         |
| 16   | SE.              | 1320            |                   | -1/2     |                 |             |         |            |             |                     |                   | 13.7       |     | 11-14.            |         |         |
| 17   |                  | 2640            |                   | -1/2     |                 |             |         |            |             |                     |                   | 3.0        | 0   | 11-15.            |         |         |
| 18   |                  | ✓               |                   | 269-40   | 0.58            |             |         |            |             |                     |                   | 22.5       |     | CK.               |         |         |
| 19   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |                   |         |         |

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### STADIA SURVEY NOTES

AREA NPR. 4. STATE OR PROVINCE ALASKA. PAGE No. 3.  
 LINE No.(s) 11. PARTY No. 186 DATE 8. Day 4. Mo. 74. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LYMAN RODMAN DEWITT WEATHER: COLD. P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             | Center Hair | 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 |             |                     |                   | INST.      | ROD |                     |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 3.0        | D   | 11-15.              |         |         |
| 2    |                  | 2600            | -                 |          |                 |             |         | 1.8         |             | 2.8                 | 10.0              |            | A   |                     |         |         |
| 3    |                  | ✓               |                   | 270-30   | 0.29            |             |         | 14.7        | 7.5         | 7.2                 |                   |            | CK. |                     |         |         |
| 4    | NW.              | 1320            | -                 |          |                 |             |         | 5.8         |             |                     |                   | 2.5        |     | 11-16               |         |         |
| 5    |                  | 0               | -                 |          |                 |             |         | 5.2         |             |                     |                   | 4.8        |     | 11-17               |         |         |
| 6    | SE.              | 660             | -                 |          |                 |             |         | 5.8         |             | 5.8                 |                   | 4.2        | D   | 2.                  | 74-11   |         |
| 7    |                  | ✓               |                   | 270-30   | 0.87            |             |         | 11.6        | 5.7         | 5.7                 |                   |            | CK  |                     | 74-12   |         |
| 8    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 9    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 10   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 11   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 12   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 13   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 14   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 15   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                     |         |         |

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### STADIA SURVEY NOTES

AREA NPR. 4. STATE OR PROVINCE ALASKA PAGE No. 4  
 LINE No.(s) 74-11 PARTY No. 186 DATE 2 Day 4 Mo. 74 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LITMAN RODMAN DEWITT WEATHER: CLEAR P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |            | Center Hair | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | ABS. OF.S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correction |             |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |            |             |                     |                   | 4.2        | 0   | E.                | 74-11   |         |
| 2    |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |                   | 74-12   |         |
| 3    | NW.              | 1780            | -                 |          |                 |             |         | 4.5        |             | 4.5                 | 8.0               |            | A   |                   |         |         |
| 4    | ✓                |                 |                   | 270-10   | 0.29            |             |         | 10.4       | 5.7         | 4.7                 |                   |            | CK. |                   |         |         |
| 5    | NW.              | 1320            | -                 |          |                 |             |         | 4.1        |             |                     |                   | 4.7        |     | 11-18             |         |         |
| 6    | 0                |                 | -                 |          |                 |             |         | 5.3        |             |                     |                   | 3.5        |     | 11-19             |         |         |
| 7    | SE.              | 1320            | -                 |          |                 |             |         | 6.3        |             |                     |                   | 2.5        |     | 11-20             |         |         |
| 8    |                  | 2640            | -                 |          |                 |             |         | 3.2        |             | 3.2                 |                   | 5.6        | 0   | 11-21             |         |         |
| 9    | 0                |                 |                   | 270-10   | 0.29            |             |         | 11.0       | 7.7         | 3.3                 |                   |            | CK. |                   |         |         |
| 10   |                  | 2640            |                   | +1/2     |                 |             |         | 12.5       | 13.2        | 0.3+                | 6.1               |            | A   |                   |         |         |
| 11   | ✓                |                 |                   | 270-10   | 0.29            |             |         | 8.4        | 7.7         | 0.7                 |                   |            | CK. |                   |         |         |
| 12   | NW.              | 1320            | -                 |          |                 |             |         | 4.0        |             |                     |                   | 2.1        |     | 11-22             |         |         |
| 13   | 0                |                 | -                 |          |                 |             |         | 5.2        |             |                     |                   | 0.9        |     | 11-23             |         |         |
| 14   | SE.              | 1320            | -                 |          |                 |             |         | 5.4        |             |                     |                   | 0.7        |     | 11-24             |         |         |
| 15   |                  | 2640            | -                 |          |                 |             |         | 5.6        |             | 5.6                 |                   | 0.5        | 0   | 11-25             |         |         |
| 16   | ✓                |                 |                   | 270-10   | 0.29            |             |         | 13.4       | 7.7         | 5.7                 |                   |            | CK. |                   |         |         |
| 17   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |                   |         |         |
| 18   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |                   |         |         |
| 19   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |            |             |                     |                   |            |     |                   |         |         |

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 74-14  
 74-11

### STADIA SURVEY NOTES

AREA NPR. 4. STATE OR PROVINCE ALASKA PAGE No. 5.  
 LINE No.(s) 11. PARTY No. 186. DATE 2 Day 4. Mo. 74- Yr. BOOK No.  
 SURVEYOR L. LITMAN RODMAN DEWITT WEATHER: CLEAR -10° P.T.S. No.

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             | Center Hair | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | ABS. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion |             |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 0.5        | ⊙   | 11-25.            |         |         |
| 2    |                  | 2310            |                   | -12      |                 |             |         | 7.2         | 11.6        | 20.8                | 21.3              |            | Δ   |                   |         |         |
| 3    |                  | ✓               |                   | 248-40   | 0.58            |             |         | 2.5         | 13.4        | 20.9                |                   |            | CK. |                   |         |         |
| 4    | NW.              | 990             |                   | -12      |                 |             |         | 17.6        | 5.0         | 19.6                |                   | 1.7        |     | 11-26             |         |         |
| 5    |                  | 0               |                   | -        |                 |             |         | 5.2         |             |                     |                   | 16.1       |     | -                 |         |         |
| 6    | SE.              | 330             |                   | -        |                 |             |         | 9.1         |             |                     |                   | 12.2       |     | 11-27             |         |         |
| 7    |                  | 1650            |                   | -        |                 |             |         | 10.8        |             | 19.8                |                   | 10.5       | ⊙   | 11-28             |         |         |
| 8    |                  | ✓               |                   | 269-50   | 0.29.           |             |         | 6.0         | 4.8         | 10.8                |                   |            | CK. |                   |         |         |
| 9    |                  | 2640            |                   | -        |                 |             |         | 5.8         |             | 5.8                 | 16.5              |            | Δ   |                   |         |         |
| 10   |                  | ✓               |                   | 270-10   | 0.29.           |             |         | 14.0        | 7.7         | 6.3                 |                   |            | CK. |                   |         |         |
| 11   | NW.              | 1320            |                   | -        |                 |             |         | 5.8         |             |                     |                   | 10.7       |     | 11-29             |         |         |
| 12   |                  | 0               |                   | -        |                 |             |         | 5.5         |             | 5.5                 |                   | 11.0       | ⊙   | 11-30             | ± 74-11 |         |
| 13   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            | CK. |                   | ± 74-14 |         |
| 14   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            | RC: | PAGE              | 4.      |         |
| 15   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     | LINE              | 74-14.  |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |

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**STADIA SURVEY NOTES**

AREA APR 4 STATE OR PROVINCE ALASKA PAGE No. 6  
 LINE No.(s) 74-11 PARTY No. 186 DATE 4 Day 4 Mo. 74 Yr. BOOK No.  
 SURVEYOR L. LYMAN RODMAN DEWITT WEATHER: COLD CLEAR 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    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 33.2              | 0   | 15-54             |                          |         |
| 2    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                   |     |                   |                          |         |
| 3    | SW.              | 122             | -                 |          |                 |             |         |             | 6.2         | 6.2                 | 39.4              |                   | A   |                   |                          |         |
| 4    | NE               | 1190            | -                 |          |                 |             |         |             | 8.6         | 8.6                 |                   | 30.8              | K   | 15-53             | RE: PAGE 4<br>LINE 74-15 |         |
| 5    |                  | 0               | -                 |          |                 |             |         |             | 5.4         |                     |                   | 34.0              | L   |                   | 74-15<br>74-11           |         |
| 6    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                   |     |                   |                          |         |
| 7    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                   |     |                   |                          |         |
| 8    | NW.              | 200             | -                 |          |                 |             |         |             | 11.4        |                     |                   | 28.0              |     | 11-40             |                          |         |
| 9    |                  | 2120            | -                 |          |                 |             |         |             | 4.9         | 11.9 11.8           |                   | 27.6              | 0   | 11-39             |                          |         |
| 10   |                  | ✓               |                   | 269-50   | 0.29            |             |         |             | 5.4         | 6.2                 |                   |                   | CK  |                   |                          |         |
| 11   |                  | 2640            | -                 |          |                 |             |         |             | 5.9         | 5.9                 | 33.6              |                   | A   |                   |                          |         |
| 12   |                  | ✓               |                   | 270-10   | 0.29            |             |         |             | 15.8        | 7.7                 |                   |                   | CK  |                   |                          |         |
| 13   | SE.              | 1320            | -                 |          |                 |             |         |             | 5.0         |                     |                   | 28.6              |     | 11-38             |                          |         |
| 14   |                  | 0               | -                 |          |                 |             |         |             | 5.2         |                     |                   | 28.4              |     | 11-37             |                          |         |
| 15   | NW.              | 1320            | -                 |          |                 |             |         |             | 4.6         |                     |                   | 29.0              |     | 11-36             |                          |         |
| 16   |                  | 2640            | -                 |          |                 |             |         |             | 13.3        |                     |                   | 19.5              | 0   | 11-35             |                          |         |
| 17   |                  | ✓               |                   | 269-56   | 0.12            |             |         |             | 11.1        | 3.2                 |                   | 13.9 14.1<br>14-3 | CK  |                   |                          |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                   |     |                   |                          |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                   |     |                   |                          |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                   |     |                   |                          |         |

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### STADIA SURVEY NOTES

AREA APR. 4. STATE OR PROVINCE ALASKA. PAGE No. 7.  
 LINE No.(s) 11. PARTY No. 186. DATE 4 Day 4 Mo. 74. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LYMAN. RODMAN DEWITT. WEATHER: COLD. 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    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 19.5               | 0   | 11-35.              |                       |         |
| 2    |                  | 2640            | -                 |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |
| 3    |                  | ✓               |                   | 269-56   | 0.12            |             |         |             |             |                     |                   | 27.4               | Δ   |                     |                       |         |
| 4    | SE.              | 1320            | -                 |          |                 |             |         |             |             |                     |                   |                    | CK  |                     |                       |         |
| 5    |                  | 0               | -                 |          |                 |             |         |             |             |                     |                   | 19.0               |     | 11-34               |                       |         |
| 6    | NW.              | 1720            | -                 |          |                 |             |         |             |             |                     |                   | 22.2               |     | 11-33.              |                       |         |
| 7    |                  | 2640            |                   | -12      |                 |             |         |             |             |                     |                   | 12.8               |     | 11-32               |                       |         |
| 8    |                  | 3960            |                   | 90-10    | 0.29.           |             |         |             |             |                     |                   | 11.3               |     | 11-31.              |                       |         |
| 9    |                  | ✓               |                   | 269-57   | 0.09            |             |         |             |             |                     |                   | 11.0               | 0   | 11-30               | ± 74-11               |         |
| 10   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 16.7 <sup>84</sup> | CK  |                     | 74-14.                |         |
| 11   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 11.0               |     |                     | RC. PAGE 3. LN 74-14. |         |
| 12   |                  |                 |                   |          |                 |             |         |             |             |                     |                   | VERTICAL TIE.      | 0.0 |                     |                       |         |
| 13   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |
| 14   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |
| 15   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |                    |     |                     |                       |         |

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### STADIA SURVEY NOTES

AREA NPR 4. STATE OR PROVINCE ALASKA PAGE No. 8  
 LINE No.(s) 11. PARTY No. 186. DATE 10. Day 4. Mo. 74. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LITMAN. RODMAN DEWITT. 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. OP.S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 2    |                  | 264.0           |                   | +1/2     |                 |             |         |             |             |                     |                   | 49.5       | 0   | 11-44             |         |         |
| 3    |                  | ✓               |                   | 270-10   | 0.29            |             |         |             | 12.8        | 13.2                | 0.40              | 49.3       | A   |                   |         |         |
| 4    | SE               | 1720            |                   | -1/2     |                 |             |         |             | 7.7         | 7.7                 | 0.0               |            | CK  |                   |         |         |
| 5    |                  | 0               | -                 |          |                 |             |         |             | 9.9         | 6.6                 | 16.5              | 32.8       |     | 11-43             |         |         |
| 6    | NW.              | 1320            | -                 |          |                 |             |         |             | 5.2         |                     |                   | 44.1       |     | 11-42             |         |         |
| 7    |                  | 1840            |                   | -1/2     |                 |             |         |             | 15.0        |                     |                   | 34.3       |     | 11-41             |         |         |
| 8    |                  | ✓               |                   | 269-50   | 0.29            |             |         |             | 6.0         | 7.2                 | 15.2              | 34.0       | 0   | 74-11             |         |         |
| 9    |                  |                 |                   |          |                 |             |         |             | 10.2        | 5.3                 | 15.5              |            | CK  | 74-15.            |         |         |
| 10   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 11   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 12   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 13   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 14   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 15   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |

EXH. 5 BACK  
 T.O. # 17  
 AND SR 11-82.

71-588B

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### STADIA SURVEY NOTES

AREA N.P. 4 STATE or PROVINCE ALASKA PAGE No. 7  
 LINE No.(s) 11 PARTY No. 186 DATE 10 Day 7 Mo. 74 Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LITMAN RODMAN DEWITT WEATHER: CLEAR 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    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 39.0       | 0   | 11-51             |         |         |
| 2    |                  | 1320            | -                 |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 3    | SE               | ✓               |                   | 270-10   | 0.29            |             |         |             |             |                     |                   | 44.9       |     |                   | ck.     |         |
| 4    |                  | 0               | -                 |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 5    | NW               | 1320            |                   | 27-20    | 1.16            |             |         |             |             |                     |                   | 39.6       |     | 11-50             |         |         |
| 6    |                  | 2640            |                   | 87-20    | 1.16            |             |         |             |             |                     |                   | 56.0       |     | 11-49             |         |         |
| 7    |                  | ✓               |                   | 270-42   | 1.22            |             |         |             |             |                     |                   |            |     | 11-48             | ck.     |         |
| 8    |                  | 2640            |                   | 112      |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 9    |                  | ✓               |                   | 270-20   | 0.58            |             |         |             |             |                     |                   | 55.9       |     |                   | ck.     |         |
| 10   | SE               | 1320            | -                 |          |                 |             |         |             |             |                     |                   | 49.4       |     | 11-47             |         |         |
| 11   |                  | 0               | -                 |          |                 |             |         |             |             |                     |                   | 50.6       |     | 11-46             |         |         |
| 12   | NW               | 1320            | -                 |          |                 |             |         |             |             |                     |                   | 49.5       |     | 11-45             |         |         |
| 13   |                  | 2640            | -                 |          |                 |             |         |             |             |                     |                   | 49.5       | 0   | 11-44             |         |         |
| 14   |                  | ✓               |                   | 270-10   | 0.29            |             |         |             |             |                     |                   |            |     |                   | ck.     |         |
| 15   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |

### STADIA SURVEY NOTES

AREA NPR. 4 STATE OR PROVINCE ALASKA PAGE No. 10  
 LINE No.(s) 11 PARTY No. 186 DATE 10 Day 4 Mo. 74 Yr. BOOK No.  
 SURVEYOR L. LYMAN RODMAN DEWITT WEATHER: CLEAR P.T.S. No.

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             | Center Hair | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | ABS. OF S. - S.S. | Station | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|---------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion |             |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 63.4       | o   | 11-58             |         |         |
| 2    |                  | 2640            |                   | 89-30    | 0.87            |             |         | 8.2         | 23.0        | 14.8                | 48.8              |            | Δ   |                   |         |         |
| 3    |                  | ✓               |                   | 70-34    | 0.99            |             |         | 11.6        | 26.1        | 14.5                |                   |            | ck. |                   |         |         |
| 4    | SE.              | 1320            | -                 |          |                 |             |         | 5.1         |             |                     |                   | 43.7       |     | 11-57             |         |         |
| 5    |                  | +               | -                 |          |                 |             |         | 5.3         |             |                     |                   | 43.5       |     | 11-56             |         |         |
| 6    | NW.              | 1320            | -                 |          |                 |             |         | 6.0         |             |                     |                   | 42.8       |     | 11-55             |         |         |
| 7    |                  | 2640            | -                 |          |                 |             |         | 5.3         |             | 5.3                 |                   | 43.4       | o   | 11-54             |         |         |
| 8    |                  | ✓               |                   | 27-10    | 0.29            |             |         | 12.2        | 7.7         | 5.5                 |                   |            | ck  |                   |         |         |
| 9    |                  | 1320            |                   | 89-40    | 0.58            |             |         | 8.2         | 7.7         | 0.54                | 44.0              |            | Δ   |                   |         |         |
| 10   | SE.              | ✓               |                   | 27-32    | 0.93            |             |         | 13.0        | 12.3        | 0.7                 |                   |            | ck. |                   |         |         |
| 11   |                  | o               | -                 |          |                 |             |         | 5.5         |             |                     |                   | 38.5       |     | 11-53             | ICE ELV |         |
| 12   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     | +                 | 74-11   |         |
| 13   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   | 74-16   |         |
| 14   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 15   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 16   | NW.              | 1320            | -                 |          |                 |             |         | 5.3         |             |                     |                   | 38.7       |     | 11-52             |         |         |
| 17   |                  | 2640            | -                 |          |                 |             |         | 4.7         |             | 4.7                 |                   | 39.0       | o   | 11-51             |         |         |
| 18   |                  | ✓               |                   | 27-10    | 0.29            |             |         | 12.7        | 7.7         | 5.2                 |                   |            | ck. |                   |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |

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### STADIA SURVEY NOTES

AREA NPR. 4. STATE or PROVINCE ALASKA PAGE No. 11  
 LINE No.(s) 11. PARTY No. 186 DATE 10. Day 4. Mo. 74. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LITMAN. RODMAN DEWITT. WEATHER: CLEAR. P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             |             | Angular Elev. Diff. | Final Elev. Diff. | ELEVATIONS |     | Abs. Op.S. - S.S. | Station          | REMARKS |
|------|------------------|-----------------|-------------------|----------|-----------------|-------------|---------|-------------|-------------|---------------------|-------------------|------------|-----|-------------------|------------------|---------|
|      |                  |                 | Level             | Inclined | Angle or Factor | Hair Read   | Reading | Correc-tion | Center Hair |                     |                   | INST.      | ROD |                   |                  |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 67.4       | 0   | 11-66             | ICE.             |         |
| 2    |                  | 2870            |                   | -1/2     |                 |             |         | 10.2        | 14.9        | 25.1                | 92.7              |            | A   |                   |                  |         |
| 3    |                  | ✓               |                   | 269-40   | 0.58            |             |         | 8.7         | 17.2        | 25.4                |                   |            | CK. |                   |                  |         |
| 4    |                  | 1680            |                   | 269-30   | 0.87            |             |         | 12.2        | 14.4        | 26.6                |                   | 66.1       |     | 11-65             | ICE.             |         |
| 5    | SE.              | 330             | -                 |          |                 |             |         | 14.0        |             |                     |                   | 78.7       |     | 11-64             |                  |         |
| 6    |                  | 0               | -                 |          |                 |             |         | 5.2         |             |                     |                   | 87.5       |     | -                 |                  |         |
| 7    | NW.              | 990             | -                 |          |                 |             |         | 2.0         |             |                     |                   | 86.7       |     | 11-63             |                  |         |
| 8    |                  | 2310            |                   | -1/2     |                 |             |         | 10.6        | 11.6        | 22.2                |                   | 70.4       | 0   | 11-62             |                  |         |
| 9    |                  | ✓               |                   | 269-42   | 0.52            |             |         | 10.4        | 12.0        | 22.4                |                   |            | CK. |                   |                  |         |
| 10   |                  | 2640            |                   | 87-50    | 0.29            |             |         | 9.6         | 7.7         | 1.7                 | 72.6              |            | A   |                   |                  |         |
| 11   |                  | ✓               |                   | 270-10   | 0.29            |             |         | 10.2        | 7.7         | 2.5                 |                   |            | CK. |                   |                  |         |
| 12   | SE.              | 1320            | -                 |          |                 |             |         | 6.2         |             |                     |                   | 66.4       |     | 11-61             | ICE.             |         |
| 13   |                  | 0               | -                 |          |                 |             |         | 5.4         |             |                     |                   | 67.2       |     | 11-60             | ICE. SNOW DRIFT. |         |
| 14   | NW.              | 1320            | -                 |          |                 |             |         | 4.0         |             |                     |                   | 68.6       |     | 11-59             |                  |         |
| 15   |                  | 2640            | -                 |          |                 |             |         | 7.0         |             | 7.0                 |                   | 63.4       | 0   | 11-58             |                  |         |
| 16   |                  | ✓               |                   | 270-03   | 0.09            |             |         | 11.7        | 2.4         | 7.3                 |                   |            | CK. |                   |                  |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |                  |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |                  |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |                  |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |                  |         |

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### STADIA SURVEY NOTES

AREA NPR. 4. STATE or PROVINCE ALASKA. PAGE No. 12.  
 LINE No.(s) 11. PARTY No. 186. DATE 10. Day 4. Mo. 74. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LYMAN. RODMAN DEWITT. WEATHER: CLEAR. -10° P.T.S. No. \_\_\_\_\_

| LINE | Bearing of Sight | Stadia Distance | BEAMAN OR VERNIER |          |                 | ROD READING |         |             | Center Hair | 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 |             |                     |                   | INST.      | ROD |                   |         |         |
| 1    |                  |                 |                   |          |                 |             |         |             |             |                     |                   | 97.8       | 0   | 11-72             |         |         |
| 2    |                  | 2970            | -                 |          |                 |             |         | 7.2         |             | 97.6                | 109.5             |            | Δ   |                   |         |         |
| 3    |                  | ✓               |                   | 270-205  | 0.15            |             |         | 14.4        | 4.5         | 97.7                |                   |            | CK. |                   |         |         |
| 4    |                  | 1650            |                   | -1/2     |                 |             |         | 9.6         | 8.3         | 17.9                |                   | 91.6       |     | 11-71             | ICE.    |         |
| 5    | SE.              | 330             |                   | -1/2     |                 |             |         | 14.2        | 1.7         | 16.6                |                   | 92.9       |     | 11-70             | ICE.    |         |
| 6    |                  | 0               |                   |          |                 |             |         | 5.2         |             |                     |                   | 104.3      |     | -                 |         |         |
| 7    | NW.              | 990             |                   | +1/2     |                 |             |         | 4.2         | 5.0         | 0.8                 |                   | 110.2      | 0   | 11-69             |         |         |
| 8    |                  | ✓               |                   | 270-30   | 0.87            |             |         | 8.0         | 8.6         | 0.6                 |                   |            | CK  |                   |         |         |
| 9    |                  | 1780            |                   | 270-30   | 0.87            |             |         | 5.4         | 17.2        | 11.8                | 98.5              |            | Δ   |                   |         |         |
| 10   |                  | ✓               |                   | 270-40   | 1.16            |             |         | 11.4        | 23.0        | 11.6                |                   |            | CK. |                   |         |         |
| 11   | SE.              | 660             |                   | +1/2     |                 |             |         | 1.3         | 3.3         | 2.0                 |                   | 100.5      |     | 11-68             |         |         |
| 12   |                  | 0               |                   |          |                 |             |         | 5.2         |             |                     |                   | 93.3       |     | -                 |         |         |
| 13   | NW.              | 660             |                   | 90-20    | 0.58            |             |         | 15.0        | 3.8         | 18.8                |                   | 79.7       |     | 11-67             |         |         |
| 14   |                  | 1980            |                   | 90-30    | 0.87            |             |         | 13.8        | 17.2        | 31.0                |                   | 67.4       | 0   | 11-66             |         |         |
| 15   |                  | ✓               |                   | 269-20   | 1.16            |             |         | 8.3         | 23.0        | 31.3                |                   |            | CK  |                   |         |         |
| 16   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 17   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 18   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 19   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |
| 20   |                  |                 |                   |          |                 |             |         |             |             |                     |                   |            |     |                   |         |         |

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*C. J. L.*

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2nd

### STADIA SURVEY NOTES

AREA \_\_\_\_\_ STATE or PROVINCE ALASKA PAGE No. 13.  
 LINE No.(s) 11. PARTY No. 186 DATE 10. Day 4. Mo. 74. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LITMAN RODMAN DEWITT WEATHER: CLEAR. 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    |                  |                 |                   |                   |                 |             |         |             |             |                     |                   | 119.9      |     | 0                   | 2.      | <del>11</del><br>12 |
| 2    |                  | 1170            | -                 |                   |                 |             |         | 8.0         |             | 8.0                 | 127.9             |            |     | A                   |         |                     |
| 3    |                  | ✓               |                   | 270-10            | 0.29.           |             |         | 11.5        | 3.4         | 8.1                 |                   |            |     | CK.                 |         |                     |
| 4    | SE.              | 330             | -                 |                   |                 |             |         | 6.7         |             |                     | 121.2             |            |     |                     | 11-77   |                     |
| 5    |                  | 0               | -                 |                   |                 |             |         | 5.2         |             |                     | 122.7             |            |     |                     | -       |                     |
| 6    | NW.              | 990             |                   | -12               |                 |             |         | 12.0        | 5.0         | 17.0                | 110.9             |            |     |                     | 11-76   |                     |
| 7    |                  | 2310            |                   | 90-30             | 0.87            |             |         | 13.4        | 20.1        | 33.5                | 94.2              |            |     | 0                   | 11-75   | ICE.                |
| 8    |                  | ✓               |                   | 267-27            | 0.90            |             |         | 13.0        | 20.8        | 33.8                |                   |            |     | CK.                 |         |                     |
| 9    |                  | 2640            | -                 |                   |                 |             |         | 6.1         |             | 6.1                 | 100.6             |            |     | A                   |         |                     |
| 10   |                  | ✓               |                   | 270-10            | 0.29.           |             |         | 14.3        | 7.7         | 6.6                 |                   |            |     | CK.                 |         |                     |
| 11   | SE.              | 1320            | -                 |                   |                 |             |         | 6.8         |             |                     | 93.8              |            |     |                     | 11-74   | ICE.                |
| 12   |                  | 0               | -                 |                   |                 |             |         | 5.2         |             |                     | 95.4              |            |     |                     | 11-73   | -                   |
| 13   | NW.              | 1320            | -                 |                   |                 |             |         | 0.7         |             | 0.7                 | 97.8              |            |     | 0                   | 11-72   |                     |
| 14   |                  |                 |                   | <del>270-30</del> |                 |             |         | 15.0        |             | 0.8                 |                   |            |     |                     |         |                     |
| 15   |                  | ✓               |                   | 270-30            | 0.87            |             |         | 12.4        | 11.5        | 0.9                 |                   |            |     | CK.                 |         |                     |
| 16   |                  |                 |                   |                   |                 |             |         |             |             |                     |                   |            |     |                     |         |                     |
| 17   |                  |                 |                   |                   |                 |             |         |             |             |                     |                   |            |     |                     |         |                     |
| 18   |                  |                 |                   |                   |                 |             |         |             |             |                     |                   |            |     |                     |         |                     |
| 19   |                  |                 |                   |                   |                 |             |         |             |             |                     |                   |            |     |                     |         |                     |
| 20   |                  |                 |                   |                   |                 |             |         |             |             |                     |                   |            |     |                     |         |                     |

TI-588B

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### STADIA SURVEY NOTES

AREA NPR. 4. STATE or PROVINCE ALASKA PAGE No. 14.  
 LINE No. (s) 74-11. PARTY No. 186 DATE 10 Day 4. Mo. 74. Yr. BOOK No. \_\_\_\_\_  
 SURVEYOR L. LYMAN. RODMAN DEWITT. WEATHER: CLEAR. -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 | Correction | Center Hair |                     |                   | INST.      | ROD   |                     |         |                   |
| 1    |                  |                 |                   |           |                 |             |         |            |             |                     |                   |            | 101.1 | 0                   | # 12    |                   |
| 2    |                  |                 |                   |           |                 |             |         |            |             |                     |                   |            |       |                     |         |                   |
| 3    |                  |                 |                   |           |                 |             |         |            |             |                     |                   |            |       |                     |         |                   |
| 4    |                  | 3630            |                   | -1/2      |                 |             |         |            |             |                     |                   |            | 130.6 |                     | Δ       |                   |
| 5    | SE.              | 1650            |                   | -1/2      |                 |             |         |            |             |                     |                   |            |       |                     |         | # 6.              |
| 6    |                  | 0               | -                 |           |                 |             |         |            |             |                     |                   |            |       |                     |         | # 1               |
| 7    | NW.              | 330             | -                 |           |                 |             |         |            |             |                     |                   |            |       |                     |         | 11-82             |
| 8    |                  | 1650            |                   | -1/2      |                 |             |         |            |             |                     |                   |            |       |                     |         | 11-81.            |
| 9    |                  | 2970            |                   | 90-28     | 0.81            |             |         |            |             |                     |                   |            |       |                     |         | 11-80             |
| 10   | ✓                |                 |                   | 269-33-10 | 0.78            |             |         |            |             |                     |                   |            |       |                     | CK.     | ICE.              |
| 11   |                  | 1720            | -                 |           |                 |             |         |            |             |                     |                   |            |       |                     |         | Δ                 |
| 12   | SE.              | ✓               |                   | 270-10    | 0.29            |             |         |            |             |                     |                   |            | 102.0 |                     | CK.     |                   |
| 13   |                  | 0               | -                 |           |                 |             |         |            |             |                     |                   |            |       |                     |         | 11-79.            |
| 14   | NW.              | 1320            | -                 |           |                 |             |         |            |             |                     |                   |            |       |                     |         | 11-78.            |
| 15   |                  | 1800            |                   | 89-10     | 1.45            |             |         |            |             |                     |                   |            |       |                     |         | 74-11             |
| 16   | ✓                |                 |                   | 271-00    | 1.74            |             |         |            |             |                     |                   |            |       |                     |         | 74-17.            |
| 17   |                  |                 |                   |           |                 |             |         |            |             |                     |                   |            |       |                     |         | (SP. 17-79.)      |
| 18   |                  |                 |                   |           |                 |             |         |            |             |                     |                   |            |       |                     |         | RE: PAGE 1. 74-17 |
| 19   |                  |                 |                   |           |                 |             |         |            |             |                     |                   |            |       |                     |         | 12 SPIKE          |
| 20   |                  |                 |                   |           |                 |             |         |            |             |                     |                   |            |       |                     |         | IN GRD.           |

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L. J. L.

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2nd