

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 2
 LINE No.(s) 120 PARTY No. 1182 DATE 26 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | Correction | | | | INST. | ROD | | | |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | 57.1 | | 8 | | |
| 3 | N | 2640 | ✓ | | | | | 8.2 | +8.2 | +8.2 | } 65.3 | | Δ | | | |
| 4 | " | 2640 | | 90° 04'07" | | | | 5.0 | +8.2 | | | | | Δ ₁ | | |
| 5 | " | 1320 | ✓ | | | | | 7.9 | | -7.9 | | 57.4 | - | 9 | | |
| 6 | | 0 | | | | | | | | -5.2 | | 60.1 | | 10 | π | |
| 7 | S | 1320 | | 89° 45'20" | | | | 5.2 | | +0.6 | | 65.9 | - | 11 | | |
| 8 | " | 2640 | | 89° 44'52" | | | | 10.0 | +1.6 | +1.8 | } 93.9 | 67.1 | 0 | 12 | | |
| 9 | " | 2640 | | 210° 15'30" | | | | 10.0 | +1.9 | | | | | 0 ₁ | | |
| 10 | N | 2475 | | 90° 38'53" | | | | 10.0 | +27.2 | +26.8 | | | Δ | | | |
| 11 | " | 2475 | | 269° 37'10" | | | | 10.0 | +26.4 | | | | Δ ₁ | | | |
| 12 | " | 1155 | | 90° 34'50" | | | | 14.0 | | -25.7 | | 68.2 | - | 13 | | |
| 13 | | 0 | | | | | | | | | | | | +1155 | π | |
| 14 | S | 165 | ✓ | | | | | 6.4 | | -6.4 | | 87.5 | - | 14 | | |
| 15 | " | 1485 | | 90° 26'10" | | | | 10.0 | | -21.3 | | 72.6 | - | 15 | | |
| 16 | " | 2805 | | 90° 15'04" | | | | 10.0 | -22.3 | -22.2 | } 78.5 | 71.7 | 0 | 16 | | |
| 17 | " | 2805 | | 269° 45'13" | | | | 10.0 | -22.1 | | | | | 0 ₁ | | |
| 18 | N | 2640 | ✓ | | | | | 6.8 | +6.8 | +6.8 | | | Δ | | | |
| 19 | " | 2640 | | 89° 56'00" | | | | 10.0 | +6.9 | | | | Δ | | | |
| 20 | " | 1320 | | | | | | 6.4 | | -6.4 | | 72.1 | - | 17 | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE OR PROVINCE Alaska PAGE No. 3
 LINE No.(s) 120 PARTY No. 1182 DATE 26 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | 78.5 | | | | |
| 3 | | 0 | | | | | | | | | | | | | 18 | π |
| 4 | S | 1320 | ✓ | | | | | | | | | | | | | |
| 5 | " | 1320 | 89° | 48' 23" | | | | | | | | | | | | |
| 6 | N | 1320 | 90° | 48' 53" | | | | | | | | | | | | |
| 7 | " | 1320 | 269° | 44' 56" | | | | | | | | | | | | |
| 8 | | 0 | | | | | | | | | | | | | | |
| 9 | S | 1320 | ✓ | | | | | | | | | | | | | |
| 10 | " | 2640 | ✓ | | | | | | | | | | | | | |
| 11 | " | 2640 | 90° | 09' 25" | | | | | | | | | | | | |
| 12 | N | 2640 | 89° | 50' 30" | | | | | | | | | | | | |
| 13 | " | 2640 | 270° | 10' 05" | | | | | | | | | | | | |
| 14 | " | 1320 | ✓ | | | | | | | | | | | | | |
| 15 | | 0 | | | | | | | | | | | | | | |
| 16 | S | 1320 | ✓ | | | | | | | | | | | | | |
| 17 | " | 2640 | ✓ | | | | | | | | | | | | | |
| 18 | " | 2640 | 70° | 04' 06" | | | | | | | | | | | | |
| 19 | N | 2640 | ✓ | | | | | | | | | | | | | |
| 20 | " | 2640 | 89° | 56' 00" | | | | | | | | | | | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE OR PROVINCE Alaska PAGE No. 4
 LINE No.(s) 120 PARTY No. 1182 DATE 26 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | 73.0 | | | | |
| 3 | N | 1320 | ✓ | | | | | 6.8 | | -6.8 | | 66.2 | - | 27 | | |
| 4 | | 0 | | | | | | 5.2 | | -5.2 | | 67.8 | | 28 | κ | |
| 5 | S | 1320 | ✓ | | | | | 7.2 | | -7.2 | | 65.8 | - | 29 | | |
| 6 | " | 2640 | ✓ | | | | | 5.6 | -5.6 | -5.6 | | 67.9 | 0 | 30 | | |
| 7 | " | 2640 | 89° | 54'14" | | | | 10.0 | -5.6 | | | | 0 | | | |
| 8 | N | 2640 | ✓ | | | | | 5.8 | +5.8 | +5.8 | | 73.2 | | | | |
| 9 | " | 2640 | 89° | 54'30" | | | | 10.0 | +5.8 | | | | | | | |
| 10 | " | 1320 | ✓ | | | | | 5.8 | | -5.8 | | 67.4 | - | 31 | | |
| 11 | | 0 | | | | | | 5.2 | | -5.2 | | 68.0 | | 32 | κ | |
| 12 | S | 1320 | ✓ | | | | | 7.0 | | -7.0 | | 66.2 | - | 33 | | |
| 13 | " | 2640 | 89° | 55'55" | | | | 10.0 | -6.9 | -7.0 | | 66.2 | 0 | 34 | | |
| 14 | " | 2640 | ✓ | | | | | 7.0 | -7.0 | | | | 0 | | | |
| 15 | N | 1320 | | | | | | 6.7 | +6.7 | +6.7 | | 72.9 | | | | |
| 16 | " | 1320 | 89° | 51'30" | | | | 10.6 | +6.7 | | | | | | | |
| 17 | | 0 | | | | | | 5.2 | | -5.2 | | 67.7 | | 35 | κ | |
| 18 | S | 1320 | ✓ | | | | | 5.8 | -5.8 | -5.8 | | 67.1 | 0 | 36 | | |
| 19 | " | 1320 | 89° | 48'55" | | | | 10.0 | -5.7 | | | | 0 | | | |
| 20 | | | | | | | | | | | | | | | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 5
 LINE No.(s) 120 PARTY No. 1182 DATE 26 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | 67.1 | | 36 | | |
| 3 | N | 2640 | ✓ | | | | | 12.3 | +12.3 | +12.3 | } 79.9 | | Δ | | | |
| 4 | " | 2640 | 90° | 09'30" | | | | 5.0 | +12.3 | | | | | Δ | | |
| 5 | " | 1320 | ✓ | | | | | 11.9 | | -11.9 | | 67.5 | - | 37 | | |
| 6 | | 0 | | | | | | HI | | -5.2 | | 64.2 | | 38 | | π |
| 7 | S | 1320 | ✓ | | | | | 11.9 | | -11.9 | | 67.5 | - | 39 | | |
| 8 | " | 2640 | 90° | 11'05" | | | | 10.0 | -18.5 | -18.4 | } | 61.0 | ⊙ | 40 | | |
| 9 | " | 2640 | 269° | 49'10" | | | | 10.0 | -18.3 | | | | | ⊙ | | |
| 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. 6
 LINE No.(s) 120 PARTY No. 1182 DATE 27 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Hclander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | 61.0 | | 40 | | |
| 3 | N | 1320 | ✓ | | | | | 5.5 | +5.5 | +5.5 | } 66.5 | | | Δ | | | |
| 4 | " | 1320 | 89° | 48'20" | | | | 10.0 | +5.5 | | | | | Δ ₁ | | | |
| 5 | | 0 | | | | | | 5.2 | | -5.2 | | 61.3 | | | 41 | π | |
| 6 | S | 1320 | ✓ | | | | | 5.9 | -5.9 | -5.9 | } 78.6 | 60.6 | ⊙ | | 42 | | |
| 7 | " | 1320 | 89° | 49'25" | | | | 10.0 | -5.9 | | | | | ⊙ | | | |
| 8 | N | 1320 | ✓ | | | | | 10.0 | +18.0 | +18.0 | } 78.6 | | | Δ | | | |
| 9 | " | 1320 | 269° | 39'15" | | | | 10.0 | +18.0 | | | | | Δ ₁ | | | |
| 10 | | 0 | | | | | | 5.2 | | -5.2 | | 73.4 | | | 43 | π | |
| 11 | S | 1320 | ✓ | | | | | 14.0 | -14.0 | -14.0 | } 70.2 | 69.6 | ⊙ | | 44 | | |
| 12 | " | 1320 | 90° | 10'22" | | | | 10.0 | -14.0 | | | | | ⊙ | | | |
| 13 | N | 1320 | ✓ | | | | | 5.6 | +5.6 | +5.6 | } 70.2 | | | Δ | | | |
| 14 | " | 1320 | 89° | 48'40" | | | | 10.0 | +5.6 | | | | | Δ ₁ | | | |
| 15 | | 0 | | | | | | 5.2 | | -5.2 | | 65.0 | | | 45 | | |
| 16 | S | 1320 | ✓ | | | | | 5.9 | -5.9 | -5.9 | } 83.4 | 69.3 | ⊙ | | 46 | | |
| 17 | " | 1320 | 89° | 49'15" | | | | 10.0 | -5.9 | | | | | ⊙ | | | |
| 18 | N | 1320 | ✓ | | | | | 10.0 | +19.1 | +19.1 | } 83.4 | | | Δ | | | |
| 19 | " | 1320 | 269° | 36'22" | | | | 10.0 | +19.1 | | | | | Δ ₁ | | | |
| 20 | | 0 | | | | | | 5.2 | | -5.2 | | 78.2 | | | 47 | π | |

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 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | 83.4 | | | | |
| 3 | S | 1320 | 90° | 17' 10" | | | | 10.0 | | -16.6 | | 66.8 | - | 48 | | |
| 4 | " | 2640 | 90° | 09' 00" | | | | 10.0 | -16.9 | -16.87 | | 66.6 | 0 | 49 | | |
| 5 | " | 2640 | 269° | 51' 25" | | | | 10.0 | -16.6 | | | | 0 | | | |
| 6 | N | 2640 | ✓ | | | | | 7.9 | +7.9 | +7.9 | | 74.5 | Δ | | | |
| 7 | " | 2640 | 70° | 03' 40" | | | | 5.0 | +7.8 | | | | Δ | | | |
| 8 | " | 1320 | ✓ | | | | | 8.0 | | -8.0 | | 66.5 | - | 50 | | |
| 9 | | 0 | | | | | | 5.2 | | -5.2 | | 69.3 | - | 51 | π | |
| 10 | S | 1320 | ✓ | | | | | 4.7 | | -4.7 | | 69.8 | - | 52 | | |
| 11 | " | 2640 | ✓ | | | | | 3.6 | -3.6 | -3.6 | | 70.9 | 0 | 53 | | |
| 12 | " | 2640 | 89° | 51' 35" | | | | 10.0 | -3.5 | | | | 0 | | | |
| 13 | N | 2640 | | | | | | 5.0 | +5.0 | +5.0 | | 75.9 | Δ | | | |
| 14 | " | 2640 | 89° | 53' 30" | | | | 10.0 | +5.0 | | | | Δ | | | |
| 15 | " | 1320 | | | | | | 5.0 | | -5.0 | | 70.9 | - | 54 | | |
| 16 | | 0 | | | | | | 5.2 | | -5.2 | | 70.7 | - | 55 | | |
| 17 | S | 1320 | | | | | | 6.8 | | -6.8 | | 69.1 | - | 56 | | |
| 18 | " | 2640 | | | | | | 8.5 | -8.5 | -8.5 | | 67.9 | 0 | 57 | | |
| 19 | " | 2640 | 90° | 04' 26" | | | | 5.0 | -8.9 | | | | 0 | | | |
| 20 | | | | | | | | | | | | | | | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 8
 LINE No.(s) 120 PARTY No. 1182 DATE 27 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | 67.4 | | 57 | | |
| 3 | N | 2640 | ✓ | | | | | 6.6 | +6.6 | +6.6 | } 74.0 | | | | | |
| 4 | " | 2640 | 89° 55' 25" | | | | | 10.0 | +6.5 | | | | | | | |
| 5 | " | 1320 | ✓ | | | | | 6.5 | | -6.5 | | 67.5 | - | 58 | | |
| 6 | | 0 | | | | | | | | | | | | | | |
| 7 | S | 1320 | ✓ | | | | | 5.2 | | -5.2 | | 68.8 | | 59 | | π |
| 8 | " | 2640 | ✓ | | | | | 6.6 | -6.6 | -6.6 | } 74.2 | | | | | |
| 9 | " | 2640 | 89° 55' 25" | | | | | 10.0 | -6.4 | | | | 67.9 | 0 | 60 | |
| 10 | N | 1320 | ✓ | | | | | 6.8 | +6.8 | +6.8 | | | | | | |
| 11 | " | 1320 | 89° 51' 50" | | | | | 10.0 | +6.9 | | | | | | | |
| 12 | | 0 | | | | | | | | | | | | | | |
| 13 | S | 1320 | ✓ | | | | | 5.2 | | -5.2 | | 69.0 | | 62 | | π |
| 14 | " | 1320 | 89° 48' 27" | | | | | 5.6 | -5.6 | -5.6 | } 88.4 | | | | | |
| 15 | N | 3160 | 90° 11' 00" | | | | | 10.0 | -5.6 | | | | 68.6 | 0 | 63 | |
| 16 | " | 3160 | 269° 49' 40" | | | | | 10.0 | +20.1 | +19.8 | | | | | | |
| 17 | " | 1840 | ✓ | | | | | 10.0 | +19.9 | | | | | | | |
| 18 | " | 520 | ✓ | | | | | 14.5 | | -14.5 | | 73.9 | - | 64 | | |
| 19 | " | 0 | | | | | | 11.5 | | -11.5 | | 76.9 | - | 65 | | |
| 20 | S | 800 | ✓ | | | | | 0 | | | | | | +520 | | π |
| 20 | S | 800 | ✓ | | | | | 12.3 | | -12.3 | | 76.1 | - | 66 | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE OR PROVINCE Alaska PAGE No. 9
 LINE No.(s) 120 PARTY No. 1182 DATE 27 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | 88.4 | | | | |
| 3 | S | 2120 | 90° | 10'30" | | | | 10.0 | -16.5 | -16.4 | | 72.0 | 0 | 67 | | |
| 4 | " | 2120 | 269° | 49'53" | | | | 10.0 | -16.2 | | | | 0 | | | |
| 5 | N | 1320 | ✓ | | | | | 7.3 | +7.3 | +7.3 | | 77.3 | Δ | | | |
| 6 | " | 1320 | 89° | 53'00" | | | | 10.0 | +7.3 | | | | Δ | | | |
| 7 | | 0 | | | | | | | | -5.2 | | 74.1 | | 68 | π | |
| 8 | S | 1320 | ✓ | | | | | 41.4 | -4.9 | -4.4 | | 74.9 | 0 | 69 | | |
| 9 | " | 1320 | 89° | 45'25" | | | | 10.0 | -4.4 | | | | 0 | | | |
| 10 | N | 2640 | ✓ | | | | | 7.3 | +7.3 | +7.3 | | 82.2 | Δ | | | |
| 11 | " | 2640 | 89° | 56'25" | | | | 10.0 | +7.2 | | | | Δ | | | |
| 12 | " | 1320 | ✓ | | | | | 7.0 | | -7.0 | | 75.2 | - | 70 | | |
| 13 | | 0 | | | | | | | | -5.2 | | 75.0 | | 71 | π | |
| 14 | S | 1320 | 89° | 24'35" | | | | 5.0 | | +8.6 | | 90.8 | - | 72 | | |
| 15 | " | 2640 | 89° | 26'42" | | | | 5.0 | +20.6 | +20.8 | | 103.0 | 0 | 73 | | |
| 16 | " | 2640 | 270° | 33'55" | | | | 5.0 | +21.0 | | | | 0 | | | |
| 17 | N | 1320 | 90° | 27'00" | | | | 10.0 | +20.4 | +20.3 | | 123.3 | Δ | | | |
| 18 | " | 1320 | 269° | 33'30" | | | | 10.0 | +20.2 | | | | Δ | | | |
| 19 | | 0 | | | | | | | | -5.2 | | 118.1 | | 74 | | |
| 20 | | | | | | | | | | | | | | | | |

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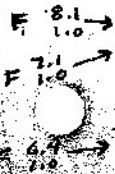
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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 10
 LINE No.(s) 120 PARTY No. 1182 DATE 27 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | 123.3 | | | | |
| 3 | S | 1320 | ✓ | | | | | | 13.5 | -13.5 | -13.5 | | 109.8 | ⊙ | 75 | |
| 4 | " | 1320 | 90° | 09'00" | | | | | 10.0 | -13.5 | | | | ⊙ | | |
| 5 | N | 1320 | ✓ | | | | | | 4.1 | +4.1 | +4.1 | 113.9 | | Δ | | |
| 6 | " | 1320 | 89° | 44'55" | | | | | 10.0 | +4.2 | | | | Δ | | |
| 7 | | 0 | | | | | HI | | 5.2 | | -5.2 | | 108.7 | | 76 | π |
| 8 | S | 1320 | ✓ | | | | | | 7.1 | -7.1 | -7.1 | | 106.8 | ⊙ | 77 | |
| 9 | " | 1320 | 89° | 52'26" | | | | | 10.0 | -7.1 | | | | ⊙ | | |
| 10 | N | 780 | ✓ | | | | | | 5.6 | +5.6 | +5.6 | 112.4 | | Δ | | |
| 11 | " | 780 | 89° | 41'00" | | | | | 10.0 | +5.7 | | | | Δ | | Tie to 8 |
| 12 | | | | | | | | | | | | | 77+780 | | | π Inteat'n |
| 13 | W | 710 | ✓ | | | | | | 3.5 | | -3.5 | | 108.9 | - | 650 | Line 26/108.1 |
| 14 | E | 610 | ✓ | | | | | | 5.7 | | -5.7 | | 106.7 | - | 649 | Line 26/106.4 |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | N | 540 | ✓ | | | | | | 6.4 | | -6.4 | | 106.0 | - | 78 | Tie to 3 |
| 18 | " | 1860 | ✓ | | | | | | 4.9 | | -4.9 | | 107.5 | - | 79 | |
| 19 | S | 3180 | ✓ | | | | | | 10.7 | -10.7 | -10.7 | | 101.7 | ⊙ | 80 | |
| 20 | " | 3180 | 89° | 36'31" | | | | | 14.0 | -10.8 | | | | ⊙ | | |



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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 11
 LINE No.(s) 120 PARTY No. 1182 DATE 28 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | 101.7 | | 80 | |
| 3 | N | 2640 | 90° | 14' 35" | | | | 10.0 | +21.2 | +20.9 | } 122.6 | | | | |
| 4 | " | 2640 | 269° | 46' 18" | | | | 10.0 | +20.5 | | | | | | |
| 5 | " | 1320 | ✓ | | | | | 12.1 | | -12.1 | | 110.5 | - | 81 | |
| 6 | | 0 | | | | | | 5.2 | | -5.2 | | 117.4 | - | 82 | π |
| 7 | S | 1320 | ✓ | | | | | 5.6 | | -5.6 | | 117.0 | - | 83 | |
| 8 | " | 2640 | ✓ | | | | | 10.2 | +0.2 | -10.2 | | 112.4 | 0 | 84 | |
| 9 | " | 2640 | 90° | 06' 41" | | | | 5.0 | -10.1 | | } 109.9 | | | | |
| 10 | N | 2640 | 89° | 50' 22" | | | | 5.0 | -2.9 | -2.5 | | | | | |
| 11 | " | 2640 | 270° | 09' 55" | | | | 5.0 | -2.6 | | | | | | |
| 12 | " | 1320 | ✓ | | | | | 2.2 | | -2.2 | | 107.7 | - | 85 | |
| 13 | | 0 | | | | | | 5.2 | | -5.2 | | 104.7 | - | 86 | π |
| 14 | S | 1320 | ✓ | | | | | 8.3 | | -8.3 | | 101.6 | - | 87 | |
| 15 | " | 2640 | 90° | 16' 45" | | | | 4.0 | -16.9 | -16.5 | | 93.4 | 0 | 88 | |
| 16 | " | 2640 | 269° | 44' 10" | | | | 4.0 | -16.2 | | | | | | |
| 17 | N | 2640 | 87° | 50' 50" | | | | 10.0 | +2.0 | +2.7 | } 96.1 | | | | |
| 18 | " | 2640 | 270° | 09' 50" | | | | 10.0 | +2.9 | | | | | | |
| 19 | " | 1320 | 89° | 46' 15" | | | | 4.0 | | +1.3 | | 94.8 | - | 89 | |
| 20 | | 0 | | | | | | 5.2 | | -5.2 | | 90.9 | - | 90 | π |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 12
 LINE No.(s) 120 PARTY No. 1182 DATE 28 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | 96.1 | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | S | 1320 | ✓ | | | | | 6.9 | | -6.9 | | 89.2 | - | 91 | | | |
| 4 | " | 2640 | 89° | 52'07" | | | | 5.0 | 1.1 | +1.3 | } | 97.4 | ⊙ | 92 | | | |
| 5 | " | 2640 | 270° | 08'30" | | | | 5.0 | 1.5 | | | ⊙ | | | | | |
| 6 | N | 2640 | 89° | 49'10" | | | | 5.0 | -3.3 | -3.5 | | } | 93.9 | Δ | | | |
| 7 | " | 2640 | 270° | 11'13" | | | | 5.6 | -3.6 | | Δ | | | | | | |
| 8 | " | 1320 | ✓ | | | | | 5.3 | | -5.3 | | 88.6 | - | 93 | | | |
| 9 | | 0 | | | | | | 5.2 | | -5.2 | | 88.7 | - | 94 | π | | |
| 10 | S | 1320 | ✓ | | | | | 5.0 | | -5.0 | | 88.9 | - | 95 | | | |
| 11 | " | 2640 | ✓ | | | | | 3.4 | | -3.4 | } | 90.5 | ⊙ | 96 | | | |
| 12 | " | 2640 | 89° | 51'25" | | | | 10.0 | -3.4 | | | ⊙ | | | | | |
| 13 | N | 1155 | 90° | 16'50" | | | | 10.0 | 15.7 | +15.6 | | } | 106.1 | Δ | | | |
| 14 | " | 1155 | 266° | 48'25" | | | | 10.0 | 15.6 | | Δ | | | | | | |
| 15 | | 0 | | | | | | | | | | | | +1155 | π | | |
| 16 | S | 165 | ✓ | | | | | 12.4 | | -12.4 | | 93.7 | - | 97 | | | |
| 17 | " | 1485 | ✓ | | | | | 11.5 | | -11.5 | } | 94.9 | ⊙ | 98 | | | |
| 18 | " | 1485 | 90° | 03'15" | | | | 10.0 | -11.4 | | | ⊙ | | | | | |
| 19 | N | 2640 | ✓ | | | | | 7.2 | | +7.2 | | } | 102.1 | Δ | | | |
| 20 | " | 2640 | 89° | 56'25" | | | | 10.0 | +7.2 | | Δ | | | | | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 13
 LINE No.(s) 120 PARTY No. 1182 DATE 28 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | Correction | | | | INST. | ROD | | | |
| 1 | | | | | | | | | | | 102.1 | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | N | 1320 | | | | | | 6.9 | | -6.9 | | 95.2 | - | 99 | | |
| 4 | | 0 | | | | | | 5.2 | | -5.2 | | 96.9 | - | 100 | π | |
| 5 | S | 1320 | | | | | | 3.3 | | -3.3 | | 98.8 | - | 101 | | |
| 6 | " | 2640 | ✓ | | | | | 2.8 | -2.8 | -2.8 | | 99.3 | ⊙ | 102 | | |
| 7 | " | 2640 | 89° | 57'00" | | | | 5.0 | -2.7 | | | | ⊙ | | | |
| 8 | N | 2475 | ✓ | | | | | 11.6 | +11.6 | +11.5 | | 110.8 | Δ | | | |
| 9 | " | 2475 | 90° | 08'55" | | | | 5.0 | +11.4 | | | | Δ ₁ | | | |
| 10 | " | 1155 | ✓ | | | | | 2.3 | | -2.3 | | 108.5 | - | 103 | | |
| 11 | | 0 | | | | | | | | | | | | +1155 | | |
| 12 | S | 165 | ✓ | | | | | 9.0 | | -9.0 | | 101.8 | - | 104 | | |
| 13 | " | 1485 | ✓ | | | | | 8.7 | | -8.7 | | 102.1 | - | 105 | | |
| 14 | " | 2805 | ✓ | | | | | 8.8 | -8.8 | -8.8 | | 102.0 | ⊙ | 106 | | |
| 15 | " | 2805 | 90° | 04'35" | | | | 5.0 | -8.7 | | | | ⊙ | | | |
| 16 | N | 2640 | ✓ | | | | | 6.4 | +6.4 | +6.4 | | 108.4 | Δ | | | |
| 17 | " | 2640 | 89° | 55'10" | | | | 10.0 | +6.3 | | | | Δ ₁ | | | |
| 18 | " | 1320 | | | | | | 6.0 | | -6.0 | | 102.4 | - | 107 | | |
| 19 | | 0 | | | | | | 5.2 | | -5.2 | | 103.2 | | 108 | π | |
| 20 | S | 1320 | | | | | | 6.2 | | -6.2 | | 102.2 | - | 109 | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 14
 LINE No.(s) 120 PARTY No. 1182 DATE 28 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | 108.4 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | S | 2640 | ✓ | | | | | | 6.6 | -6.6 | -6.6 | | 101.8 | ⊙ | 110 | |
| 4 | " | 2640 | 89° | 55'45" | | | | | 10.0 | -6.7 | | | | ⊙ | | |
| 5 | N | 2805 | 70° | 06'35" | | | | | 10.0 | +15.4 | +15.1 | | 116.9 | Δ | | |
| 6 | " | 2805 | 267° | 54'00" | | | | | 10.0 | +14.9 | | | | Δ | | |
| 7 | " | 1485 | ✓ | | | | | | 13.9 | | -13.9 | | 103.0 | - | 111 | |
| 8 | " | 165 | ✓ | | | | | | 13.4 | | -13.4 | | 103.5 | - | 112 | |
| 9 | | 0 | | | | | | | | | | | | | +165 | |
| 10 | S | 1155 | ✓ | | | | | | 7.1 | | -7.1 | | 109.8 | - | 113 | |
| 11 | " | 2475 | ✓ | | | | | | 7.5 | | -7.5 | | 109.4 | ⊙ | 114 | |
| 12 | " | 2475 | 89° | 56'35" | | | | | 10.0 | -7.5 | | | | ⊙ | | |
| 13 | N | 1320 | ✓ | | | | | | 14.7 | | +14.7 | | 124.1 | Δ | | |
| 14 | " | 1320 | 90° | 12'10" | | | | | 10.0 | +14.7 | | | | Δ | | |
| 15 | | 0 | | | | | | | | | | | | | | |
| 16 | S | 1320 | ✓ | | | | | HI | 5.2 | | -5.2 | | 118.9 | | 115 | π |
| 17 | " | 1320 | 90° | 11'00" | | | | | 9.2 | | -9.2 | | 114.9 | ⊙ | 116 | |
| 18 | | | | | | | | | 5.0 | -9.2 | | | | ⊙ | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 15
 LINE No.(s) 120 PARTY No. 1182 DATE 29 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Holander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | | 114.9 | | | |
| 2 | | | | | | | | | | | | | | | 116 | |
| 3 | N | 3135 | 89° | 48'35" | | | | 5.0 | -5.4 | -5.3 | 109.6 | | Δ | | | |
| 4 | " | 3135 | 270° | 11'05" | | | | 5.0 | -5.1 | | | | Δ | | | |
| 5 | " | 1815 | ✓ | | | | | 10.5 | | -10.5 | | 99.1 | - | 117 | | |
| 6 | " | 495 | 91° | 13'10" | | | | 4.0 | | -14.5 | | 95.1 | - | 118 | | |
| 7 | | 0 | | | | | | | | | | | | +495 | ↗ | |
| 8 | S | 825 | 90° | 45'30" | | | | 4.0 | | -14.9 | | 94.5 | - | 119 | | |
| 9 | " | 2145 | ✓ | | | | | 10.8 | -10.8 | -10.8 | | 98.8 | 0 | 120 | | |
| 10 | " | 2145 | 90° | 09'15" | | | | 5.0 | -10.8 | | | | 0 | | | |
| 11 | N | 2640 | ✓ | | | | | 13.2 | +13.2 | +13.2 | 112.0 | | Δ | | | |
| 12 | " | 2640 | 90° | 01'10" | | | | 10.0 | +13.2 | | | | Δ | | | |
| 13 | " | 1320 | ✓ | | | | | 14.1 | | -14.1 | | 97.9 | - | 121 | | |
| 14 | | 0 | | | | | | | | | | | | | | |
| 15 | S | 1320 | ✓ | | | | | 5.2 | | -5.2 | | 106.8 | - | 122 | | ↗ |
| 16 | " | 2640 | 90° | 15'45" | | | | 6.1 | | -6.1 | | 105.9 | - | 123 | | |
| 17 | " | 2640 | 90° | 15'45" | | | | 10.0 | -22.1 | -21.8 | | 90.2 | 0 | 124 | | |
| 18 | " | 2640 | 269° | 45'00" | | | | 10.0 | -21.5 | | | | 0 | | | |
| 19 | N | 2640 | ✓ | | | | | 11.9 | +11.9 | +11.9 | 102.1 | | Δ | | | |
| 20 | " | 2640 | 90° | 00'53" | | | | 5.0 | +11.8 | | | | Δ | | | |
| 20 | " | 1320 | ✓ | | | | | 5.9 | | -5.9 | | 96.2 | - | 125 | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 16
 LINE No.(s) 120 PARTY No. 1182 DATE 29 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | 102.1 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | 0 | | | | | | H1 | 5.2 | | -5.2 | | 96.9 | | 126 | X |
| 4 | S | 1320 | ✓ | | | | | | 6.9 | | -6.9 | | 95.2 | - | 127 | |
| 5 | " | 2640 | ✓ | | | | | | 4.3 | -4.3 | -4.3 | | 97.8 | ⊙ | 128 | |
| 6 | " | 2640 | | 89° 52' 40" | | | | | 10.0 | -4.4 | | | | ⊙ | | |
| 7 | N | 1320 | ✓ | | | | | | 12.1 | +12.1 | +12.1 | 109.9 | | Δ | | |
| 8 | " | 1320 | | 90° 05' 15" | | | | | 10.0 | +12.0 | | | | Δ | | |
| 9 | | 0 | | | | | | H1 | 5.2 | | -5.2 | | 104.7 | | 129 | X |
| 10 | S | 1320 | ✓ | | | | | | 8.0 | -8.0 | -8.0 | | 101.9 | ⊙ | 130 | |
| 11 | " | 1320 | | 90° 07' 35" | | | | | 5.0 | -7.9 | | | | ⊙ | | |
| 12 | N | 2640 | | 89° 50' 38" | | | | | 5.0 | -2.2 | -2.4 | 99.5 | | Δ | | |
| 13 | " | 2640 | | 270° 09' 50" | | | | | 5.0 | -2.6 | | | | Δ | | |
| 14 | " | 1320 | ✓ | | | | | | 7.0 | | -7.0 | | 92.5 | - | 131 | |
| 15 | | 0 | | | | | | H1 | 5.2 | | -5.2 | | 94.3 | | 132 | X |
| 16 | S | 1320 | ✓ | | | | | | 8.8 | | -8.8 | | 90.7 | - | 133 | |
| 17 | " | 2640 | ✓ | | | | | | 12.9 | -12.9 | -12.9 | | 86.6 | ⊙ | 144 | |
| 18 | " | 2640 | | 90° 03' 40" | | | | | 10.0 | -12.8 | | | | ⊙ | | |
| 19 | N | 1320 | | 89° 48' 50" | | | | | 5.0 | +0.7 | +0.7 | 87.3 | | Δ | | |
| 20 | " | 1320 | | 270° 11' 05" | | | | | 5.0 | +0.7 | | | | Δ | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 17
 LINE No.(s) 120 PARTY No. 1182 DATE 29 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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. | ROD | | | |
| 1 | | | | | | | | | | | | 87.3 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | 0 | | | | | | HI | 5.2 | | -5.2 | 82.1 | | 135 | π | |
| 4 | S | 1320 | 90° | 28'15" | | | | | 10.0 | -20.8 | -20.7 | 66.6 | ⊙ | 136 | | |
| 5 | " | 1320 | 269° | 32'30" | | | | | 10.0 | -20.6 | | | ⊙ | | | |
| 6 | N | 2640 | 90° | 10'17" | | | | | 10.0 | +17.9 | +17.8 | 84.4 | Δ | | | |
| 7 | " | 2640 | 269° | 50'00" | | | | | 10.0 | +17.7 | | | Δ | | | |
| 8 | " | 1320 | 90° | 16'25" | | | | | 14.0 | | -20.3 | 64.1 | - | 137 | | |
| 9 | | 0 | | | | | | HI | 5.2 | | -5.2 | 79.2 | - | 138 | π | |
| 10 | S | 1320 | ✓ | | | | | | 3.7 | | -3.7 | 80.7 | - | 139 | | |
| 11 | " | 2640 | 89° | 55'00" | | | | | 5.0 | -1.2 | -1.1 | 83.3 | ⊙ | 140 | | |
| 12 | " | 2640 | 270° | 05'15" | | | | | 5.0 | -1.0 | | | ⊙ | | | |
| 13 | N | 2640 | 89° | 52'12" | | | | | 5.0 | -1.0 | -1.2 | 82.1 | Δ | | | |
| 14 | " | 2640 | 270° | 08'20" | | | | | 5.0 | -1.4 | | | Δ | | | |
| 15 | " | 1320 | ✓ | | | | | | 1.2 | | -1.2 | 80.9 | - | 141 | | |
| 16 | | 0 | | | | | | HI | 5.2 | | -5.2 | 76.9 | - | 142 | π | |
| 17 | S | 1320 | ✓ | | | | | | 4.3 | | -4.3 | 77.8 | - | 143 | | |
| 18 | " | 2640 | ✓ | | | | | | 4.7 | -4.7 | -4.7 | 77.4 | ⊙ | 144 | | |
| 19 | " | 2640 | 89° | 53'14" | | | | | 10.0 | -4.8 | | | ⊙ | | | |
| 20 | | | | | | | | | | | | | | | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 18
 LINE No.(s) 120 PARTY No. 1182 DATE 29 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | 77.4 | | | | |
| 3 | N | 2640 | 90° | 07'38" | | | | | 10.0 | +15.9 | +15.6 | 93.0 | | Δ | 144 | |
| 4 | " | 2640 | 269° | 53'00" | | | | | 10.0 | +15.4 | | | | Δ | | |
| 5 | " | 1320 | ✓ | | | | | | 14.3 | | -14.3 | | 78.7 | - | 145 | |
| 6 | | 0 | | | | | | | 5.2 | | -5.2 | | 87.8 | | 146 | π |
| 7 | S | 1320 | ✓ | | | | | | 5.6 | | -5.6 | | 87.4 | - | 147 | |
| 8 | " | 2640 | 89° | 48'20" | | | | | 4.0 | +5.0 | +5.2 | | 98.2 | 0 | 148 | |
| 9 | " | 2640 | 270° | 12'15" | | | | | 4.0 | +5.4 | | | | 0 | | |
| 10 | N | 1320 | 90° | 39'45" | | | | | 4.0 | +19.3 | +19.1 | 117.3 | | Δ | | |
| 11 | " | 1320 | 269° | 20'55" | | | | | 4.0 | +19.0 | | | | Δ | | |
| 12 | | 0 | | | | | | | 5.2 | | -5.2 | | 112.1 | | 149 | π |
| 13 | S | 1320 | 90° | 18'07" | | | | | 4.0 | | -11.0 | | 106.3 | ⊖ | 150 | S.S. |
| 14 | " | 2640 | 90° | 02'05" | | | | | 4.0 | -5.6 | -5.4 | | 111.9 | 0 | 151 | |
| 15 | " | 2640 | 269° | 58'30" | | | | | 4.0 | -5.2 | | | | 0 | | |
| 16 | N | 2145 | ✓ | | | | | | 13.0 | +13.0 | +13.0 | 124.9 | | Δ | | |
| 17 | " | 2145 | 90° | 04'50" | | | | | 10.0 | +13.0 | | | | Δ | | |
| 18 | " | 825 | ✓ | | | | | | 8.5 | | -8.5 | | 116.4 | - | 152 | |
| 19 | | 0 | | | | | | | | | | | | | +825 | π |
| 20 | S | 495 | ✓ | | | | | | 8.9 | | -8.9 | | 116.0 | - | 153 | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE Alaska PAGE No. 19
 LINE No.(s) 120 PARTY No. 1182 DATE 29 Day 2 Mo. 76 Yr. BOOK No. _____
 SURVEYOR Helander RODMAN Myers WEATHER: _____ 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 | Hoir Read | Reading | Correc-tion | Center Hair | | | INST. | ROD | | | |
| 1 | | | | | | | | | | | | 124.9 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | S | 1815 | ✓ | | | | | | 10.9 | -10.9 | -10.9 | | 114.0 | 0 | 154 | |
| 4 | " | 1815 | 90° | 11'10" | | | | | 5.0 | -10.9 | | | | 0 | | |
| 5 | N | 2640 | ✓ | | | | | | 3.5 | +3.5 | +3.5 | 117.5 | | Δ | | |
| 6 | " | 2640 | 89° | 57'55" | | | | | 5.0 | +3.4 | | | | Δ | | |
| 7 | " | 1320 | ✓ | | | | | | 5.3 | | -5.3 | | 112.2 | - | 155 | |
| 8 | | 0 | | | | | | | 5.2 | | -5.2 | | 112.3 | - | 156 | X |
| 9 | S | 1320 | ✓ | | | | | | 3.3 | | -3.3 | | 114.2 | - | 157 | |
| 10 | " | 2640 | 89° | 55'15" | | | | | 5.0 | -1.4 | -0.8 | | 116.0 | 0 | 158 | |
| 11 | " | 2640 | 270° | 06'10" | | | | | 5.0 | -0.3 | | | | 0 | | |
| 12 | N | 2640 | ✓ | | | | | | 1.9 | +1.9 | +2.2 | 119.9 | | Δ | | |
| 13 | " | 2640 | 89° | 56'45" | | | | | 5.0 | +2.5 | | | | Δ | | |
| 14 | " | 1320 | ✓ | | | | | | 4.8 | | -4.8 | | 115.1 | - | 159 | |
| 15 | | 0 | | | | | | | 5.2 | | -5.2 | | 114.7 | - | 160 | X |
| 16 | S | 1320 | ✓ | | | | | | 6.8 | | -6.8 | | 113.1 | - | 161 | |
| 17 | " | 2640 | ✓ | | | | | | 2.1 | -2.1 | -1.6 | | 114.8 | 0 | 162 | |
| 18 | " | 2640 | 89° | 54'45" | | | | | 5.0 | -1.0 | | | | 0 | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |

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Redone
 on PAGE
 # 20:
 values to
 compute side
 shots taken
 from P. 20
 data

STADIA SURVEY NOTES

AREA NPR-4 STATE OR PROVINCE Alaska PAGE No. 20
 LINE No.(s) 120 PARTY No. 1182 DATE 1 Day 3 Mo. 76 Yr. BOOK No.
 SURVEYOR Helander RODMAN Myers WEATHER: 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 | | | | | | | | | | | | 117.5 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | H1 | 5.2 | | -5.2 | 112.3 | | 156 | X | |
| 4 | S | 2640 | 89° | 49'00" | | | | | 10.0 | -1.6 | -1.5 | 116.0 | ⊙ | 158 | | |
| 5 | " | 2640 | 270° | 11'05" | | | | | 10.0 | -1.5 | | | ⊙ | | | |
| 6 | N | 2640 | ✓ | | | | | | 4.0 | | +4.0 | 120.0 | Δ | | | |
| 7 | " | 2640 | 89° | 52'20" | | | | | 10.0 | +4.1 | | | Δ | | | |
| 8 | | | | | | | | | | | | | | 160 | X | |
| 9 | S | 2640 | ✓ | | | | | | 5.2 | | -5.2 | 114.8 | ⊙ | 162 | | |
| 10 | " | 2640 | 89° | 53'45" | | | | | 10.0 | -5.2 | | | ⊙ | | | |
| 11 | N | 2640 | ✓ | | | | | | 5.1 | | +5.1 | 119.9 | Δ | | | |
| 12 | " | 2640 | 89° | 54'00" | | | | | 10.0 | | | | Δ | | | |
| 13 | " | 1320 | ✓ | | | | | | 6.7 | | -6.7 | 113.2 | - | 163 | | |
| 14 | | 0 | | | | | | | H1 | 5.2 | -5.2 | 114.7 | | 164 | X | |
| 15 | S | 1320 | ✓ | | | | | | 12.3 | | -12.3 | 107.6 | - | 165 | | |
| 16 | " | 2640 | ✓ | | | | | | 12.4 | | -12.3 | 107.6 | ⊙ | 166 | | |
| 17 | " | 2640 | 90° | 02'55" | | | | | 10.0 | -12.2 | | | ⊙ | | | |
| 18 | N | 2640 | 89° | 57'45" | | | | | 14.5 | +12.8 | +12.6 | 120.2 | Δ | | | |
| 19 | " | 2640 | 270° | 02'40" | | | | | 14.5 | +12.5 | | | Δ | | | |
| 20 | " | 1320 | ✓ | | | | | | 4.1 | | -4.1 | 116.1 | - | 167 | | |

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2nd

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 21
 LINE No.(s) 120 PARTY No. 1182 DATE 1 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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 | | | | | | | | | | | | 120.2 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | 0 | | | | | | HI | 5.2 | | -5.2 | | 115.0 | | 168 | κ |
| 4 | S | 1320 | ✓ | | | | | | 5.7 | | -5.7 | | 114.5 | - | 169 | |
| 5 | " | 2640 | ✓ | | | | | | 5.9 | -5.9 | -5.9 | | 114.3 | 0 | 170 | |
| 6 | " | 2640 | 89° | 54'50" | | | | | 10.0 | +6.0 | | | | 0 | | |
| 7 | N | 2640 | ✓ | | | | | | 8.4 | +8.4 | +8.4 | 122.7 | | Δ | | |
| 8 | " | 2640 | 90° | 04'20" | | | | | 5.0 | +8.3 | | | | Δ | | |
| 9 | " | 1320 | ✓ | | | | | | 7.2 | | -7.2 | | 115.5 | - | 171 | |
| 10 | | 0 | | | | | | HI | 5.2 | | -5.2 | | 117.5 | - | 172 | κ |
| 11 | S | 1320 | ✓ | | | | | | 7.2 | -7.2 | -7.2 | | 115.5 | 0 | 173 | |
| 12 | " | 1320 | 89° | 52'40" | | | | | 10.0 | -7.2 | | | | 0 | | |
| 13 | N | 1320 | ✓ | | | | | | 14.6 | +14.6 | +14.6 | 130.1 | | Δ | | |
| 14 | " | 1320 | 90° | 12'00" | | | | | 10.0 | +14.6 | | | | Δ | | |
| 15 | | 0 | | | | | | HI | 5.2 | | -5.2 | | 124.9 | | 174 | κ |
| 16 | S | 1320 | ✓ | | | | | | 11.7 | | -11.7 | | 118.4 | - | 175 | |
| 17 | " | 2640 | ✓ | | | | | | 11.2 | -11.2 | -11.2 | | 118.9 | 0 | 176 | |
| 18 | " | 2640 | 90° | 08'00" | | | | | 5.0 | -11.1 | | | | 0 | | |
| 19 | N | 2640 | ✓ | | | | | | 6.2 | +6.2 | +6.2 | 125.1 | | Δ | | |
| 20 | " | 2640 | 89° | 55'05" | | | | | 10.0 | +6.2 | | | | Δ | | |

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2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 22
 LINE No.(s) 120 PARTY No. 1182 DATE 1 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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 | | | | | | | | | | | | 125.1 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | N | 1320 | ✓ | | | | | | | | | | 120.0 | - | 177 | |
| 4 | | 0 | | | | | | HI | | | | | 119.9 | | 178 | π |
| 5 | S | 1320 | ✓ | | | | | | | | | | 120.9 | - | 179 | |
| 6 | " | 2640 | ✓ | | | | | | | | | | 120.6 | | 180 | |
| 7 | " | 2640 | 89° | 52'40" | | | | | | | | | | 0. | | |
| 8 | N | 2640 | ✓ | | | | | | | | | | | Δ | | |
| 9 | " | 2640 | 89° | 55'25" | | | | | | | | | | Δ. | | |
| 10 | " | 1320 | ✓ | | | | | | | | | | | - | 181 | |
| 11 | | 0 | | | | | | HI | | | | | | | 182 | π |
| 12 | E | 3651.3 | 89° | 46'56" | | | | | | | | | | 0. | Δ Areas | 120.5 137.07 |
| 13 | " | 3651.3 | 270° | 13'28" | | | | | | | | | | 0. | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | 135.0 | | ELEV. | |
| 16 | E | 3651.3 | 89° | 46'56" | | | | | | | | | | | | |
| 17 | " | 3651.3 | 270° | 13'28" | | | | | | | | | | Δ | | Back-sight Areas |
| 18 | S | 1320 | ✓ | | | | | | | | | | | Δ. | | π ON 182 |
| 19 | " | 2640 | 89° | 52'20" | | | | | | | | | | - | 183 | |
| 20 | " | 2640 | 270° | 02'15" | | | | | | | | | | 0. | 184 | |

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STADIA SURVEY NOTES

AREA NPR - 4 STATE or PROVINCE ALASKA PAGE No. 23
 LINE No.(s) 120 PARTY No. 1182 DATE 1 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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 | | | | | | | | | | | | | 120.4 | | | |
| 2 | | | | | | | | | | | | | | | 184 | |
| 3 | N | 2640 | ✓ | | | | | | 4.7 | +4.7 | +4.7 | 125.1 | | Δ | | |
| 4 | " | 2640 | | 89° 53' 00" | | | | | 10.0 | +4.6 | | | | Δ | | |
| 5 | " | 1320 | ✓ | | | | | | 6.1 | | -6.1 | | 119.0 | - | 185 | |
| 6 | | 0 | | | | | | | 5.2 | | -5.2 | | 119.9 | | 186 | π |
| 7 | S | 1320 | ✓ | | | | | | 13.2 | | -13.2 | | 111.9 | - | 187 | |
| 8 | " | 2640 | | 90° 19' 50" | | | | | 10.0 | -25.2 | -25.0 | | 100.1 | ⊙ | 188 | |
| 9 | " | 2640 | | 269° 40' 49" | | | | | 10.0 | -24.7 | | | | ⊙ | | |
| 10 | N | 2640 | | 90° 29' 20" | | | | | 10.0 | +32.5 | +32.5 | 132.6 | | Δ | | |
| 11 | " | 2640 | | 269° 30' 50" | | | | | 10.0 | +32.4 | | | | Δ | | |
| 12 | " | 1320 | | | | | | | 13.8 | | -13.8 | | 118.8 | - | 189 | |
| 13 | | 0 | | | | | | | 5.2 | | -5.2 | | 127.4 | | 190 | π |
| 14 | S | 1320 | | | | | | | 4.0 | | -4.0 | | 128.6 | - | 191 | |
| 15 | " | 2640 | ✓ | | | | | | 3.5 | -3.5 | -3.5 | | 129.1 | ⊙ | 192 | |
| 16 | " | 2640 | | 89° 57' 55" | | | | | 5.0 | -3.4 | | | | ⊙ | | |
| 17 | N | 2640 2815 | ✓ | | | | | | 8.2 | +8.2 | +8.2 | 137.3 | | Δ | | |
| 18 | " | 2640 2815 | | 89° 58' 35" | | | | | 10.8 | +8.2 | | | | Δ | | |
| 19 | " | 2640 4225 | | | | | | | 5.7 | | -5.7 | | 131.6 | - | 193 | |
| 20 | | 0 | | | | | | | 5.2 | | -5.2 | | 132.1 | | +495 | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 24
 LINE No.(s) 120 PARTY No. 1182 DATE 81 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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 | | | | | | | | | | | | 137.3 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | S | 825 | ✓ | | | | | | | | -14.8 | | 122.6 | - | 194 | |
| 4 | " | 2145 | ✓ | | | | | | | | -14.8 | | 122.5 | ⊙ | 195 | |
| 5 | " | 2145 | 90° | 07'30" | | | | | | | -14.7 | | | ⊙ | | |
| 6 | N | 2640 | ✓ | | | | | | | | +4.6 | +4.6 | 127.1 | | | |
| 7 | " | 2640 | 89° | 53'00" | | | | | | | +4.6 | | | ⊙ | | |
| 8 | " | 1320 | ✓ | | | | | | | | | -4.8 | 122.3 | - | 196 | |
| 9 | | 0 | | | | | | HI | 5.2 | | | -5.2 | 121.9 | | 197 | π |
| 10 | S | 1320 | ✓ | | | | | | 3.7 | | | -3.7 | 123.4 | - | 198 | |
| 11 | " | 2640 | ✓ | | | | | | 1.8 | | | -1.8 | 125.3 | ⊙ | 199 | |
| 12 | " | 2640 | 89° | 55'50" | | | | | 5.0 | | | -1.8 | | ⊙ | | |
| 13 | N | 1320 | 90° | 26'10" | | | | | 10.0 | | +20.0 | +20.0 | 145.3 | | | |
| 14 | " | 1320 | 269° | 34'20" | | | | | 10.0 | | +19.9 | | | ⊙ | | |
| 15 | | 0 | | | | | | HI | 5.2 | | | -5.2 | 140.1 | | 200 | π |
| 16 | S | 1220 | ✓ | | | | | | 7.0 | | | -7.0 | 138.3 | ⊙ | 201 | |
| 17 | " | 1320 | 89° | 52'15" | | | | | 10.0 | | | -7.0 | | ⊙ | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 25
 LINE No.(s) 120 PARTY No. 1182 DATE 2 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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. | ROD | | | |
| 1 | | | | | | | | | | | | | 138.3 | | | |
| 2 | | | | | | | | | | | | | | | 201 | |
| 3 | N | 1320 | ✓ | | | | | 4.6 | +4.6 | +4.6 | | 142.9 | | Δ | | |
| 4 | " | 1320 | 89° | 45' 40" | | | | 10.0 | +4.5 | | | | | Δ ₁ | | |
| 5 | | 0 | | | | | | HI | 5.2 | | -5.2 | | 137.7 | | 202 | π |
| 6 | S | 1320 | 89° | 58' 00" | | | | 14.0 | -13.2 | -13.1 | | 129.8 | | ⊙ | 203 | |
| 7 | " | 1320 | 270° | 02' 30" | | | | 14.0 | -13.0 | | | | | ⊙ ₁ | | |
| 8 | N | 1320 | 89° | 31' 30" | | | | 14.0 | +3.1 | +2.9 | | 132.7 | | Δ | | |
| 9 | " | 1320 | 270° | 29' 20" | | | | 14.0 | +2.7 | | | | | Δ ₁ | | |
| 10 | | 0 | | | | | | HI | 5.2 | | -5.2 | | 127.5 | | 204 | π |
| 11 | S | 1320 | 89° | 38' 28" | | | | 5.0 | +3.3 | +3.4 | | 136.1 | | ⊙ | 205 | |
| 12 | " | 1320 | 270° | 22' 20" | | | | 5.0 | +3.6 | | | | | ⊙ ₁ | | |
| 13 | N | 1320 | 90° | 10' 45" | | | | 3.8 | +7.9 | +7.8 | | 143.9 | | Δ | | |
| 14 | " | 1320 | 269° | 50' 00" | | | | 3.8 | +7.6 | | | | | Δ ₁ | | |
| 15 | | 0 | | | | | | HI | 5.2 | | -5.2 | | 138.7 | | 206 | π |
| 16 | S | 1320 | 89° | 58' 00" | | | | 5.0 | -4.2 | -4.1 | | 139.8 | | ⊙ | 207 | |
| 17 | " | 1320 | 270° | 02' 37" | | | | 5.0 | -4.0 | | | | | ⊙ ₁ | | |
| 18 | N | 2640 | 90° | 05' 35" | | | | 3.8 | +8.1 | +7.8 | | 147.6 | | Δ | | |
| 19 | " | 2640 | 269° | 55' 10" | | | | 3.8 | +7.5 | | | | | Δ ₁ | | |
| 20 | " | 1320 | 90° | 07' 10" | | | | 3.8 | | -6.6 | | 141.0 | | - | 208 | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 26
 LINE No.(s) 120 PARTY No. 1182 DATE 2 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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 | | | | | | | | | | | | 147.6 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | 0 | | | | | | HI | 5.2 | | -5.2 | 142.4 | | 209 | X | |
| 4 | S | 1320 | ✓ | | | | | | 5.2 | | -5.2 | 142.4 | - | 210 | | |
| 5 | " | 2640 | | 89° 55' 00" | | | | | 5.0 | -1.2 | -0.8 | 146.8 | 0 | 211 | | |
| 6 | " | 2640 | | 270° 05' 50" | | | | | 5.0 | -0.5 | | | 0 | | | |
| 7 | N | 1320 | | 90° 05' 30" | | | | | 3.8 | +5.9 | +5.8 | 152.6 | Δ | | | |
| 8 | " | 1320 | | 269° 55' 15" | | | | | 3.8 | +5.6 | | | Δ | | | |
| 9 | | 0 | | | | | | HI | 5.2 | | -5.2 | 147.4 | | 212 | X | |
| 10 | S | 1320 | | 90° 02' 56" | | | | | 5.0 | -6.1 | -6.0 | 146.6 | 0 | 213 | | |
| 11 | " | 1320 | | 269° 57' 50" | | | | | 5.0 | -5.8 | | | 0 | | | |
| 12 | N | 1320 | | 90° 36' 33" | | | | | 14.0 | +28.0 | +27.9 | 174.5 | Δ | | | |
| 13 | " | 1320 | | 269° 24' 20" | | | | | 14.0 | +27.7 | | | Δ | | | |
| 14 | | 0 | | | | | | HI | 5.2 | | -5.2 | 169.3 | | 214 | X | |
| 15 | S | 1320 | ✓ | | | | | | 10.2 | | -10.2 | 164.3 | - | 215 | | |
| 16 | " | 2640 | ✓ | | | | | | 7.6 | -7.6 | -7.6 | 166.9 | 0 | 216 | | |
| 17 | " | 2640 | | 89° 56' 50" | | | | | 10.0 | -7.6 | | | 0 | | | |
| 18 | N | 2640 | | 89° 20' 05" | | | | | 10.0 | -20.7 | -21.0 | 145.9 | Δ | | | |
| 19 | " | 2640 | | 270° 40' 45" | | | | | 10.0 | -21.3 | | | Δ | | | |
| 20 | " | 1320 | | 89° 14' 30" | | | | | 5.0 | | +12.5 | 158.4 | - | 217 | | |

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2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 27
 LINE No.(s) 120 PARTY No. 1182 DATE 2 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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 | | | | | | | | | | | | 145.9 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | 0 | | | | | | | | | | | | | | |
| 4 | ⊙ | 1320 | 88° | 49'50" | | | | HI | 5.2 | | -5.2 | | 140.7 | | 218 | π |
| 5 | " | 1320 | 271° | 10'55" | | | | | 5.0 | +21.9 | +22.1 | | 168.0 | ⊙ | 219 | |
| 6 | N | 1320 | ✓ | | | | | | 5.0 | +22.2 | | | | ⊙ | | |
| 7 | " | 1320 | 90° | 11'15" | | | | | 14.3 | +14.3 | +14.3 | 182.3 | | Δ | | |
| 8 | | 0 | | | | | | | 10.0 | +14.3 | | | | Δ | | |
| 9 | S | 1320 | 89° | 53'00" | | | | HI | 5.2 | | -5.2 | | 177.1 | | 220 | π |
| 10 | " | 2640 | 89° | 47'00" | | | | | 4.0 | | -1.3 | | 181.0 | - | 221 | |
| 11 | " | 2640 | 270° | 13'30" | | | | | 10.0 | +0.0 | +0.2 | | 182.5 | ⊙ | 222 | |
| 12 | N | 2640 | ✓ | | | | | | 10.0 | +0.9 | | | | ⊙ | | |
| 13 | " | 2640 | 90° | 06'41" | | | | | 10.2 | +10.2 | +10.2 | 192.7 | | Δ | | |
| 14 | " | 1320 | ✓ | | | | | | 5.0 | +10.1 | | | | Δ | | |
| 15 | | 0 | | | | | | | 7.7 | | -7.7 | | 185.0 | - | 223 | |
| 16 | S | 1320 | ✓ | | | | | HI | 5.2 | | -5.2 | | 187.5 | - | 224 | π |
| 17 | " | 2640 | ✓ | | | | | | 5.5 | | -5.5 | | 187.2 | - | 225 | |
| 18 | " | 2640 | 89° | 58'20" | | | | | 3.7 | -3.7 | -3.7 | | 189.0 | ⊙ | 226 | |
| 19 | N | 2640 | ✓ | | | | | | 5.0 | | | | | ⊙ | | |
| 20 | " | 2640 | 89° | 52'30" | | | | | 4.2 | +4.2 | +4.2 | 193.2 | | Δ | | |
| | | | | | | | | | 10.0 | +4.2 | | | | Δ | | |

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CHECKED BY 1st _____

2nd _____

STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 28
 LINE No.(s) 120 PARTY No. 1182 DATE 2 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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 | | | | | | | | | | | | 193.2 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | N | 1320 | ✓ | | | | | | | | | | 187.9 | - | 227 | |
| 4 | | 0 | | | | | | HI | | | | | 188.0 | | 228 | π |
| 5 | S | 1320 2640 | ✓ | | | | | | | | | | 187.7 | - | 229 | |
| 6 | " | 2640 | | 89° 52' 25" | | | | | +0.8 | +1.0 | | | 194.2 | ⊙ | 230 | |
| 7 | " | 2640 | | 270° 08' 10" | | | | | +1.3 | | | | | ⊙ | | |
| 8 | N | 2640 | ✓ | | | | | | +9.8 | +9.8 | | 204.0 | | Δ | | |
| 9 | " | 2640 | | 90° 06' 15" | | | | | +9.8 | | | | | Δ | | |
| 10 | " | 1320 | ✓ | | | | | | | | | | 198.7 | - | 231 | |
| 11 | | 0 | | | | | | HI | | | | | 198.8 | | 232 | π (⊙ B. JACKIE) |
| 12 | S | 1320 | ✓ | | | | | | | | | | 192.8 | - | 233 | |
| 13 | " | 2640 | ✓ | | | | | | -14.0 | -14.0 | | | 190.0 | - | 234 | END OF LINE |
| 14 | " | 2640 | | 90° 05' 03" | | | | | -13.9 | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |

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STADIA SURVEY NOTES

AREA NPR-4 STATE or PROVINCE ALASKA PAGE No. 29
 LINE No.(s) 120 PARTY No. 1182 DATE 2 Day 3 Mo. 76 Yr. BOOK No. _____
 SURVEYOR HELANDER RODMAN MYERS WEATHER: _____ 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 | | | | | | | | | | | | 204.0 | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | 0 | | | | | | | | | | | | | | |
| 4 | W | 11,283.65 | 89° | 59'06" | (47.8) | | | | | | +0.9 | 204.9 | 0 | 232 T | Tr. Sta Jackie | |
| 5 | " | | 27° | 01'36" | (47.8) | | | | | +0.9 | | | 0 | | Elev 204.° | |
| 6 | | | 89 | 58 | 24 | | | | | | | 204.0 | | | | |
| 7 | | | | | | | | | | | | +0.9 | | | MISTIE | |
| 8 | | | 89 | 58 | 45 | | | | | | | | | | | |
| 9 | | 4R | | | 47.8 | | | | | | | | | | | |
| 10 | | VA | 89° | 59' 59" | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |

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