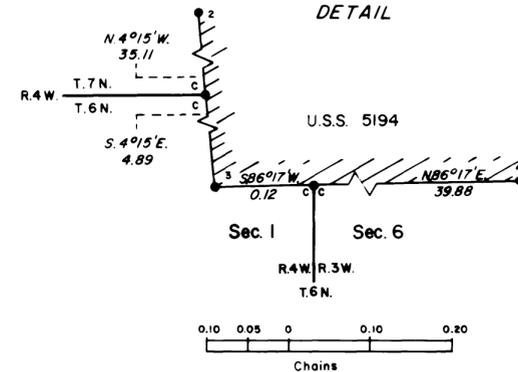


TOWNSHIP 6 NORTH, RANGE 4 WEST, OF THE FAIRBANKS MERIDIAN, ALASKA

Surveyed Concurrently With
T.7N., R.5W., in 1985

Surveyed Concurrently With T.7N., R.4W., in 1985



A HISTORY OF SURVEYS IS CONTAINED IN THE FIELD NOTES.

THIS PLAT AND FIELD NOTES REPRESENT THE SURVEY OF THE SOUTH AND EAST BOUNDARIES OF TOWNSHIP 6 NORTH, RANGE 4 WEST, FAIRBANKS MERIDIAN, ALASKA. THE SUBDIVISIONAL LINES OF THE TOWNSHIP WERE SURVEYED BY PROTRACTION AS SHOWN ON THIS PLAT.

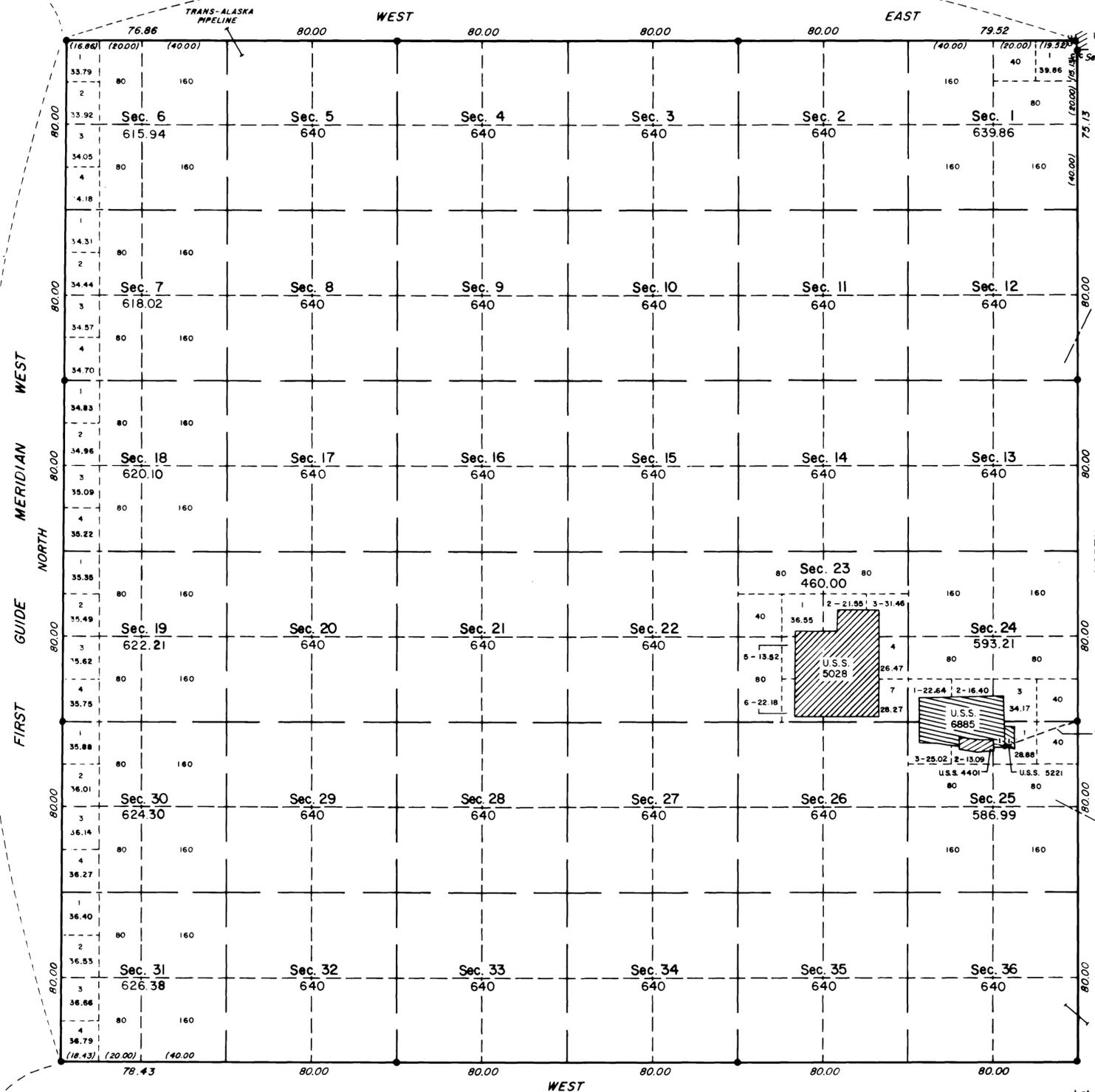
THIS SURVEY WAS EXECUTED BY CLARENCE A. HERSCHBACH, REGISTERED ALASKA LAND SURVEYOR NO. 813-S, FOR INTERNATIONAL TECHNOLOGY LIMITED, MAY 20 THROUGH JULY 2, 1985, IN ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE MANUAL OF SURVEYING INSTRUCTIONS, 1973, SPECIAL INSTRUCTIONS FOR GROUP NO. 431, ALASKA, DATED NOVEMBER 2, 1984, APPROVED JANUARY 18, 1985 AND CONTRACT NO. YA551-CT5-340036 DATED APRIL 30, 1985.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ANCHORAGE, ALASKA

THIS PLAT IS STRICTLY CONFORMABLE TO THE APPROVED FIELD NOTES, AND THE SURVEY, HAVING BEEN CORRECTLY EXECUTED IN ACCORDANCE WITH THE REQUIREMENTS OF LAW AND THE REGULATIONS OF THIS BUREAU, IS HEREBY ACCEPTED.

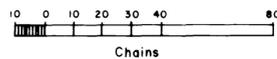
FOR THE DIRECTOR
James D. Glick
DEPUTY STATE DIRECTOR FOR CADASTRAL SURVEY,
ALASKA
DATE Nov. 5, 1987

Lat. 65° 17' 48.91" N.
Long. 148° 15' 33.92" W.



Surveyed Concurrently With T.6N., R.5W., in 1985

Surveyed by Frederick W. Ward and
Jerome C. Ives from 1965 to 1968



Area Surveyed: 22,647.01 Acres

INDEX DIAGRAM

Township 6 North, Range 4 West, Fairbanks Meridian, Alaska

6	5	4	3	2	1	
7	8	9	10	11	12	7
18	17	16	15	14	13	
19	20	21	22	23	24	6
30	29	28	27	26	25	
31	32	33	34	35	36	5
						4
	4		3		2	

T. 6 N., R. 4 W., Fairbanks Mer., Alaska

CHAINS

The following field notes describe the survey of the south and east boundaries of Township 6 North, Range 4 West, Fairbanks Meridian, Alaska.

The southwest corner of T. 6 N., R. 4 W., F.M., was established by Frederick W. Ward and Jerome C. Ives, Supervisory Cadastral Surveyors, in 1965. U.S. Survey No. 5194, was surveyed by Gary S. Speight, Cadastral Surveyor, in 1974. U.S. Survey No. 4401, was surveyed by Robert D. Bagett, Cadastral Surveyor, in 1965. U.S. Survey No. 6885, was surveyed by James W. Hawke Jr., Cadastral Surveyor, in 1981. U.S. Survey No. 5028, was surveyed by Henry J. Grimmonpre', Supervisory Cadastral Surveyor, in 1971. U.S. Survey No. 5221, was surveyed by Gary S. Speight, Cadastral Surveyor, in 1974.

This survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated November 2, 1984, for Group No. 431, Alaska, and Contract No. YA551-CT5-340036 dated April 30, 1985.

The corner positions of this survey were established using helicopter borne Auto-Surveyor methods and ground survey methods, utilizing control stations established by the U.S. Coast and Geodetic Survey and the U.S. Geological Survey. The geographic positions for AGGIE USGS 1953, GLOBE 1953, AMY DOME USGS 1953, are based on the 1976 published data prepared by the National Geodetic Survey. New Bureau of Land Management values were assigned to READY 1953, IDAHO USGS 1953, HAYSTACK MTN 1952, SHAM 1951 and DUNCAN 1951. Azimuth refers to the true meridian.

Monuments were set at protracted corner positions based on the official Bureau of Land Management protraction diagram F6-9, approved March 17, 1960.

The geographic position of the southeast corner of the township is:

Latitude 65° 17' 48.91" North,
Longitude 148° 15' 33.92" West.

The magnetic declination was obtained from U.S. Geological Survey quadrangle map, "LIVENGOOD (B-3)," Alaska, 1954 edition, photorevised in 1975 and indicates a mean value of 28 1/2° East.

S. Bdy., T. 6 N., R. 4 W.,
Fairbanks Meridian, Alaska

Beginning at the point for the cor. of Tps.
5 and 6 N., Rs. 3 and 4 W.

S. Bdy., T. 6 N., R. 4 W., Fairbanks Mer., Alaska

CHAINS							
	<p>Drive an alum. rod, 5.5 ft. long, 3/4 in. diam., 5.2 ft. in the ground to point of refusal, with alum. cap mkd.</p> <p style="text-align: center;">T 6 N</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">R 4 W</td> <td style="padding: 0 5px;">R 3 W</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 36</td> <td style="padding: 0 5px;">S 31</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 1</td> <td style="padding: 0 5px;">S 6</td> </tr> </table> <p style="text-align: center;">T 5 N</p> <p style="text-align: center;">1985</p> <p>from which</p> <p>A spruce, 5 ins. diam., bears N. 68° E., 93 lks. dist., mkd. T6N R3W S31 BT.</p> <p>A spruce, 3 ins. diam., bears S. 78° E., 49 lks. dist., mkd. X BT.</p> <p>A spruce, 7 ins. diam., bears S. 74 1/2° W., 118 lks. dist., mkd. T5N R4W S1 BT.</p> <p>A spruce, 3 ins. diam., bears N. 49° W., 90 lks. dist., mkd. X BT.</p> <p>An alum. rod, 6 ft. long, 3/4 in. diam., driven 4.0 ft. in the ground, bears S. 26° W., 11 lks. dist., with an orange triangular marker on top.</p> <p>Cor. is located in a cleared area, 50 ft. diam., and on a level area of tundra with willow and spruce.</p>	R 4 W	R 3 W	S 36	S 31	S 1	S 6
R 4 W	R 3 W						
S 36	S 31						
S 1	S 6						
80.00	<p>West, bet. secs. 1 and 36.</p> <p>Point for the cor. of secs. 1, 2, 35 and 36, not monumented.</p>						
80.00	<p>West, bet. secs. 2 and 35.</p> <p>Point for the cor. of secs. 2, 3, 34 and 35.</p> <p>Drive an alum. rod, 6 ft. long, 3/4 in. diam., 4.3 ft. in the ground to point of refusal, with alum. cap mkd.</p> <p style="text-align: center;">T 6 N R 4 W</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 34</td> <td style="padding: 0 5px;">S 35</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 3</td> <td style="padding: 0 5px;">S 2</td> </tr> </table> <p style="text-align: center;">T 5 N</p> <p style="text-align: center;">1985</p> <p>No bearing trees available.</p>	S 34	S 35	S 3	S 2		
S 34	S 35						
S 3	S 2						

S. Bdy., T. 6 N., R. 4 W., Fairbanks Mer., Alaska

CHAINS	<p>from which</p> <p>An alum. rod, 6 ft. long, 3/4 in. diam., driven 3.5 ft. in the ground to point of refusal, bears S. 18° E., 11 lks. dist., with an orange triangular marker on top.</p> <p>The cor. is located in a natural open area covered with low willow and small birch.</p>					
80.00	<p>West, bet. secs. 3 and 34.</p> <p>Point for the cor. of secs. 3, 4, 33 and 34, not monumented.</p>					
80.00	<p>West, bet. secs. 4 and 33.</p> <p>Point for the cor. of secs. 4, 5, 32 and 33.</p> <p>Drive an alum. rod, 9 ft. long, 3/4 in. diam., 8.6 ft. in the ground, with alum. cap mkd.</p> <p style="text-align: center;">T 6 N R 4 W</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 32</td> <td style="padding: 0 5px;">S 33</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 5</td> <td style="padding: 0 5px;">S 4</td> </tr> </table> <p style="text-align: center;">T 5 N</p> <p style="text-align: center;">1985</p> <p>from which</p> <p>An aspen, 5 ins. diam., bears N. 7 1/2° E., 65 lks. dist., mkd. T6N R4W S33 BT.</p> <p>A spruce, 11 ins. diam., bears S. 43 1/2° E., 57 lks. dist., mkd. T5N R4W S4 BT.</p> <p>An alum. rod, 6 ft. long, 3/4 in. diam., driven 4.3 ft. in the ground, bears S. 33° E., 11 lks. dist., with an orange triangular marker on top.</p> <p>Cor. is located in a cleared area, 50 ft. diam., and in a level area with spruce, birch, aspen and willow.</p>	S 32	S 33	S 5	S 4	
S 32	S 33					
S 5	S 4					
80.00	<p>West, bet. secs. 5 and 32.</p> <p>Point for the cor. of secs. 5, 6, 31 and 32, not monumented.</p>					
	<p>West, bet. secs. 6 and 31.</p>					

S. Bdy., T. 6 N., R. 4 W., Fairbanks Mer., Alaska

<p>CHAINS 78.43</p>	<p>The cor. of Tps. 5 and 6 N., Rs. 4 and 5 W., monumented with an iron post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of T. 6 N., R. 5 W., F.M., surveyed concurrently.</p>
	<p>E. Bdy., T. 6 N., R. 4 W., Fairbanks Meridian</p>
<p>22.60</p>	<p>From the cor. of Tps. 5 and 6 N., Rs. 3 and 4 W., hereinbefore described.</p> <p>North, bet. secs. 31 and 36.</p> <p>Intersect Trans-Alaska Pipeline Monumentation Survey.</p> <p>From this point, PI 665-2, not monumented, bears N. 49°31' W., 0.78 chs. dist., from which original accessories</p> <p>An 18 ins. diam., steel piling, vertical support member, VSM-1, bears upstream and to the left of flow, 82 lks. dist., mkd. X.</p> <p>An 18 ins. diam., steel piling, vertical support member, VSM-2, bears left of flow, 8 lks. dist., mkd. X.</p> <p>An 18 ins. diam., steel piling, vertical support member, VSM-3, bears right of flow, 9 lks. dist., mkd. X.</p> <p>An 18 ins. diam., steel piling, vertical support member, VSM-4, bears upstream and to the right of flow, 83 lks. dist., mkd. X.</p> <p>From this same point, PI 665-3, not monumented, bears S. 49°31' E., 12.42 chs. dist., from which original accessories</p> <p>An 18 ins. diam., steel piling, vertical support member, VSM-1, bears upstream and to the left of flow, 98 lks. dist., mkd. X.</p> <p>An 18 ins. diam., steel piling, vertical support member, VSM-2, bears left of flow, 7 lks. dist., mkd. X.</p> <p>An 18 ins. diam., steel piling, vertical support member, VSM-3, bears right of flow, 11 lks. dist., mkd. X.</p> <p>An 18 ins. diam., steel piling, vertical support member, VSM-4, bears upstream and to the right of flow, 98 lks. dist., mkd. X.</p>

E. Bdy., T. 6 N., R. 4 W., Fairbanks Mer., Alaska

CHAINS								
80.00	<p>Pipeline is above ground level. The right of way widths at right angles to the pipe, in the direction of flow, are 0.33 chs. right and 0.64 chs. left.</p> <p>Point for the cor. of secs. 25, 30, 31 and 36, not monumented.</p>							
38.37	<p>North, bet. secs. 25 and 30.</p> <p>Elliott Highway.</p>							
80.00	<p>Point for the cor. of secs. 19, 24, 25 and 30.</p> <p>Drive an alum. rod, 9 ft. long, 3/4 in. diam., 8.7 ft. in the ground, with alum. cap mkd.</p> <div style="text-align: center;"> <p>T 6 N</p> <table border="1" style="margin: auto;"> <tr> <td>R 4 W</td> <td>R 3 W</td> </tr> <tr> <td>S 24</td> <td>S 19</td> </tr> <tr> <td>S 25</td> <td>S 30</td> </tr> </table> <p>1985</p> </div> <p>from which</p> <p>A birch, 6 ins. diam., bears N. 45 1/2° E., 87 lks. dist., mkd. T6N R3W S19 BT.</p> <p>A birch, 6 ins. diam., bears S. 46 1/2° E., 104 lks. dist., mkd. T6N R3W S30 BT.</p> <p>A birch, 12 ins. diam., bears S. 60° W., 45 lks. dist., mkd. T6N R4W S25 BT.</p> <p>A birch, 8 ins. diam., bears N. 55° W., 43 lks. dist., mkd. T6N R4W S24 BT.</p> <p>An alum. rod, 9 ft. long, 3/4 in. diam., driven 7.0 ft. in the ground, bears N. 69° E., 10 lks. dist., with an orange triangular marker on top.</p> <p>From this point, Cor. No. 1, U.S. Survey No. 5221, identical with Cor. No. 1, U.S. Survey No. 6885, bears S. 71°12' W., 36.77 chs. dist., monumented with an alum. post, with alum. cap mkd. S5221 S6885 C1 C1 1981, from which original bearing tree</p> <p>A spruce, 4 ins. diam., bears N. 80° W., 32 lks. dist., mkd. X BT.</p> <p>from which the following improvement</p> <p>The most westerly corner of a small grey house, size 20 x 13 ft., bears N. 31°15' E., 3.08 chs. dist., long side extend S. 50° E.</p>	R 4 W	R 3 W	S 24	S 19	S 25	S 30	
R 4 W	R 3 W							
S 24	S 19							
S 25	S 30							

E. Bdy., T. 6 N., R. 4 W., Fairbanks Mer., Alaska

<p>CHAINS</p> <p>80.00</p>	<p>North, bet. secs. 19 and 24.</p> <p>Point for cor. of secs. 13, 18, 19 and 24, not monumented.</p>						
<p>80.00</p>	<p>North, bet. secs. 13 and 18.</p> <p>Point for the cor. of secs. 7, 12, 13 and 18.</p> <p>Drive an alum. rod, 7 ft. long, 3/4 in. diam., 6.7 ft. in the ground to point of refusal, with alum. cap mkd.</p> <p style="text-align: center;">T 6 N</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">R 4 W</td> <td style="padding: 0 5px;">R 3 W</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px; text-align: center;">S 12</td> <td style="padding: 0 5px; text-align: center;">S 7</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px; text-align: center;">S 13</td> <td style="padding: 0 5px; text-align: center;">S 18</td> </tr> </table> <p style="text-align: center;">1985</p> <p>from which</p> <p style="padding-left: 40px;">A birch, 4 ins. diam., bears N. 65 1/2° E., 24 lks. dist., mkd. T6N R3W S7 BT.</p> <p style="padding-left: 40px;">An aspen, 5 ins. diam., bears S. 31° E., 19 lks. dist., mkd. T6N R3W S18 BT.</p> <p style="padding-left: 40px;">A spruce, 4 ins. diam., bears S. 85° W., 19 lks. dist., mkd. T6N R4W S13 BT.</p> <p style="padding-left: 40px;">A spruce, 6 ins. diam., bears N. 9 1/4° W., 27 lks. dist., mkd. T6N R4W S12 BT.</p> <p style="padding-left: 40px;">An alum. rod, 6 ft. long, 3/4 in. diam., driven 3.9 ft. in the ground, bears N. 54 1/2° E., 12 lks. dist., with an orange triangular marker on top.</p> <p>Cor. is located in a cleared area, 50 ft. diam., and on a gentle easterly slope with spruce, birch and aspen.</p>	R 4 W	R 3 W	S 12	S 7	S 13	S 18
R 4 W	R 3 W						
S 12	S 7						
S 13	S 18						
<p>17.93</p> <p>80.00</p>	<p>North, bet. secs. 7 and 12.</p> <p>Elliott Highway.</p> <p>Point for the cor. of secs. 1, 6, 7 and 12, not monumented.</p>						
<p>75.13</p>	<p>North, bet. secs. 1 and 6.</p> <p>Intersect line 3-4, U.S. Survey No. 5194. Point for the closing cor. of secs. 1 and 6.</p>						

E. Bdy., T. 6 N., R. 4 W., Fairbanks Mer., Alaska

CHAINS

Drive an alum. rod, 7 ft. long, 3/4 in. diam., 6.5 ft. in the ground to point of refusal, with alum. cap mkd.

S5194
 S 1 | S 6
 CC
 R 4 W R 3 W
 T 6 N

1985

from which

A spruce, 3 ins. diam., bears
 S. 46° E., 8 lks. dist., mkd. X BT.

A spruce, 3 ins. diam., bears
 S. 5° W., 55 lks. dist., mkd. X BT.

An alum. rod, 6 ft. long, 3/4 in. diam., driven 4.0 ft. in the ground, bears N. 86 1/4° E., 11 lks. dist. with an orange triangular marker on top.

From this point, Cor. No. 3, U.S. Survey No. 5194, bears S. 86°17' W., 12 lks. dist., monumented with an alum. post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with an alum. cap mkd. S5194 C3 1974, from which original bearing trees

A spruce, 4 ins. diam., bears
 S. 72° E., 8 lks. dist., mkd. X BT.

A spruce, 4 ins. diam., bears
 N. 49° W., 38 lks. dist., mkd. X BT.

From this same point, Cor. No. 4, U.S. Survey No. 5194, bears N. 86°17' E., 39.88 chs. dist., monumented with an alum. post, 2 1/2 ins. diam., set, mkd. and witnessed as described in the field notes of T. 7 N., R. 3 W., F.M., surveyed concurrently.

T. 6 N., R. 4 W., Fairbanks Mer., Alaska

CHAINS

General Description

Township 6 North, Range 4 West, is located approximately 12 miles southeasterly from the town of Livengood, Alaska.

The topography within this township is rolling hills and marshlands. Elevations range from approximately 420 ft. to 2032 ft. above sea level.

Drainage is generally to the south. The Tatalina River flows southerly through the southeastern portion of the township. O'Brien Creek flows westerly through the eastern portion of the township, and Slate Creek flows southwesterly through the northwestern portion of the township. Several small unnamed lakes are located within this township.

Vegetation within the township consists of spruce, birch and aspen timber, with willow and alder undergrowth.

U.S. Survey Nos. 5028, 6685, 4401 and 5221 are located in the southeastern portion of the township. U.S. Survey No. 5194 is located in the northeastern portion of the township. The Elliott Highway is located in the eastern portion of the township. The Trans-Alaska Pipeline is located within this township. Transportation of personnel and equipment for the execution of this survey was accomplished by helicopter.

CERTIFICATE OF SURVEY

I, Clarence A. Herschbach for International Technology Limited, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 2nd day of November, 1984, and under Contract No. YA551-CT5-340036 dated the 30th day of April 1985, I have surveyed the south and east boundaries of Township 6 North, Range 4 West, of the Fairbanks Meridian, in the State of Alaska, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of Public Lands of the United States States, and in the specific manner described in the foregoing field notes.

9/28/87

(Date)



Seal

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Anchorage, Alaska

The foregoing field notes of the survey described in the Certificate of Survey above, executed by Clarence A. Herschbach, having been critically examined and found correct, are hereby approved.

Nov. 5, 1987

(Date)

Francis D. Dickstein

Deputy State Director for
Cadastral Survey, Alaska