

R 5150

BOOK 5150

PAGE 01

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF PORTIONS

OF THE EAST AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISIONAL LINES

TOWNSHIP 30 NORTH, RANGE 19 EAST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

KENNETH A. KRENKE

SUPERVISORY CADASTRAL SURVEYOR

MARVIN T. KOPPANG

CADASTRAL SURVEYOR

Under special instructions dated JULY 1, 1977, approved JULY 14, 1977,
AND SUPPLEMENTAL SPECIAL INSTRUCTIONS DATED FEBRUARY 24, 1978, APPROVED MARCH 6,

1978, which provided for the surveys included under ~~US Survey~~ Group
Number 594, and assignment instructions dated MAY 2, 1977.

Survey commenced AUGUST 1, 1978

Survey completed FEBRUARY 20, 1981

INDEX DIAGRAM

Township 30 North, Range 19 East,

| | | | | | |
|----|-----------|------|--------|------|---------|
| 6 | 5 | 4 | 2 3 | 2 | 1 |
| 7 | 8 | 9 5 | 10 | 11 | 12 |
| 18 | 17 7 8 | 16 5 | 15 4 | 14 4 | 13 3 |
| 19 | 20 6 | 21 | 22 | 23 | 24 1 |
| 30 | 29 | 28 | 27 | 26 | 25 |
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T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

CHAINS

The following field notes describe the dependent resurvey of portions of the east and north boundaries, and a portion of the subdivisional lines, Township 30 North, Range 19 East, Gila and Salt River Meridian, Arizona.

In 1909, Sidney E. Blout surveyed the exteriors and subdivisions as shown on the official plat approved April 25, 1914.

These surveys were executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, Special Instructions dated July 1, 1977, and Supplemental Special Instructions dated February 24, 1978, for Group No. 594, Arizona.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the official record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The directions of the lines were determined by direct altitude observations of the sun and Polaris, and refer to the true meridian.

The geographic position of the 1/4 sec. cor. of secs. 19 and 24, on the east boundary of the township as determined from a direct tie to U.S.G.S. triangulation station "FIRST" 1964, is as follows:

Latitude 35° 59' 26.3" N., Longitude 110° 14' 30.2" W.

The mean magnetic declination is 13 1/2° E.

Dependent Resurvey, Portion of the East Boundary
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

Restoring the survey executed by
Sidney E. Blout in 1909

Beginning at the 1/4 sec. cor. of secs. 19 and 24, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd.

T30N
R19E | R20E
S 24 1/4 | S 19

1908

Add the marks 78 to the brass cap.

from which an original bearing tree

A juniper, 12 ins. in diam., bears N. 65 3/4° E.,
142 lks. dist., mkd. 1/4 S19 BT.

from which a new bearing tree

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Dependent Resurvey, Portion of the East Boundary
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

| CHAINS | |
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| | <p>A pinon, 10 ins. in diam., bears N. 16 1/2° W., 201 lks. dist., mkd. 1/4 S24 BT.</p> |
| | <p>U.S. Geological Survey triangulation station "FIRST" 1964, bears S. 12° 48' W., 93.15 chs. dist., monumented with a standard brass tablet, 3 ins. diam., firmly set in a concrete block, projecting 6 ins. above ground, with top mkd. FIRST 1964 and a triangle.</p> |
| | <p>N. 0° 01' E., bet. secs. 19 and 24.</p> |
| | <p>Through scattered pinon and juniper timber.</p> |
| <p>31.86</p> | <p>Point for AP C-216-A, on the Hopi-Navajo Partition line. No permanent monument established.</p> |
| <p>39.96</p> | <p>The cor. of secs. 13, 18, 19, and 24, monumented with an iron post, 3 ins. diam., firmly set, projecting 22 ins. above ground, with brass cap mkd.</p> |
| | <p style="text-align: center;">T30N R19E R20E 13 18 24 19</p> |
| | <p>There was no date stamped on the cap. I added the date 1978 to the brass cap and set a steel fence post alongside the cor.</p> |
| | <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the North Boundary T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona</p> <hr/> |
| | <p style="text-align: center;">Restoring the survey executed by Sidney E. Blout in 1909</p> <hr/> |
| | <p>From the 1/4 sec. cor. of secs. 3 and 34, monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. as described in the official record of the original survey. Add the marks T31N T30N R19E 78; the brass cap is now mkd.</p> |
| | <p style="text-align: center;">S 34 1/4 S 3 1908 78 R19E T31N T30N</p> |
| | <p>from which</p> |
| | <p>A juniper, 20 ins. in diam., bears S. 48° E., 154 1/2 lks. dist., mkd. 1/4 S3 BT.</p> |
| | <p>WEST, bet. secs. 3 and 34.</p> |
| | <p>Over rolling prairie.</p> |
| <p>7.49</p> | <p>Point for AP C-236-A on the Hopi-Navajo Partition line. No permanent monument established.</p> |

Dependent Resurvey of a Portion of the North Boundary
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

| CHAINS | |
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| 40.01 | <p>The cor. of secs. 3, 4, 33, and 34, monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above ground, with brass cap mkd.</p> |
| | $\begin{array}{c} \text{R19E} \\ \hline \text{T31N} \text{T30N} \\ \text{S 34} \text{S 3} \\ \hline \text{S 33} \text{S 4} \end{array}$ |
| | <p>There was no date stamped on the cap. I added the date 1978 and set a mound of stone, 3 ft. base, to top of brass cap.</p> |
| | <hr/> <p>Dependent Resurvey, Portion of the Subdivisional Lines T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona</p> <hr/> |
| | <p>Restoring the survey executed by Sidney E. Blout in 1909</p> <hr/> |
| | <p>From the cor. of secs. 13, 18, 19, and 24 on the E. bdy. of the Tp., hereinbefore described.</p> |
| | <p>N. 89° 52' W., bet. secs. 13 and 24.</p> |
| | <p>Over nearly level sandy terrain.</p> |
| 15.29 | <p>Point for AP C-217-A on the Hopi-Navajo Partition line. No permanent monument established.</p> |
| 40.03 | <p>Point for the 1/4 sec. cor. of secs. 13 ad 24, at proportionate dist.; there is no remaining evidence of the original cor.</p> |
| | <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, in a collar of stone, with brass cap mkd.</p> |
| | $\begin{array}{c} \text{T30N R19E} \\ \hline 1/4 \quad \text{S 13} \\ \quad \quad \text{S 24} \\ \hline 1978 \end{array}$ |
| | <p>Set a steel fence post alongside the cor.</p> |
| 80.06 | <p>The cor. of secs. 13, 14, 23, and 24, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap missing.</p> |
| | <p>At the corner point</p> |
| | <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> |
| | $\begin{array}{c} \text{T30N R19E} \\ \hline \text{S 14} \text{S 13} \\ \text{S 23} \text{S 24} \\ \hline 1978 \end{array}$ |

Dependent Resurvey, Portion of the Subdivisional Lines
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

| CHAINS | |
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| | Deposit the old iron post and set a steel fence post alongside the cor. |
| | <hr/> N. 0° 01' W., bet. secs. 13 and 14. |
| | Over gently rolling prairie. |
| 11.48 | AP C-219, on the Hopi-Navajo Partition line, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 18 ins. above the ground, in concrete, as described in the field note record of the survey of the Hopi-Navajo Partition line, Segment "C", executed concurrently under this same group. |
| 40.00 | The 1/4 sec. cor. of secs. 13 and 14, determined at record bearing and dist. from the original bearing trees. |
| | <p style="padding-left: 40px;">A pinon, 10 ins. in diam., bears N. 75 3/4° E., 40 lks. dist., mkd. 1/4 S13 BT.</p> |
| | <p style="padding-left: 40px;">A juniper, 10 ins. in diam., bears S. 88 3/4° W., 118 lks. dist., marks not visible. I mkd. this tree 1/4 S14 BT.</p> |
| | At the corner point |
| | Set an iron post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd. |
| | <p style="text-align: center;">T30N R19E 1/4 S 14 S 13 1978</p> <hr/> |
| | From the cor. of secs. 14, 15, 22, and 23, monumented with an iron post, 2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd. |
| | <p style="text-align: center;">T30N R19E S 15 S 14 S 22 S 23 1908</p> |
| | Add the date 78 to the brass cap. |
| | N. 0° 01' E., bet. secs. 14 and 15. |
| | Over gently rolling terrain. |
| 11.40 | AP C-221, on the Hopi-Navajo Partition line, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, in a mound of stone, 3 ft. base to top, as described in the field note record of the survey of the Hopi-Navajo Partition line, Segment "C", executed concurrently under this same group. |
| 39.96 | The 1/4 sec. cor. of secs. 14 and 15, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above ground, with brass cap mkd. as described in the official record of the original survey. Add the marks T30N R19E 78; the brass cap is now mkd. |

Dependent Resurvey, Portion of the Subdivisional Lines
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

| CHAINS | | |
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| | <div style="text-align: center;"> <p>T30N R19E S 15 $\frac{1}{4}$ S 14 78 1908</p> </div> <p>from which</p> <p>A juniper, 12 ins. in diam., bears N. 82 1/4° E., 150 lks. dist., mkd. 1/4 S14 BT.</p> <p>A juniper, 20 ins. in diam., bears S. 52 1/2° E., 168 lks. dist., mkd. 1/4 S14 BT.</p> <p>Raise a mound of stone, 4 ft. base to top of iron post.</p> <hr/> <p>From the cor. of secs. 15, 16, 21, and 22, monumented with an iron post, 2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T30N R19E S 16 S 15 S 21 S 22</p> <p>1908</p> </div> <p>Add the date 78 to the brass cap.</p> <p>N. 0° 01' E., bet. secs. 15 and 16.</p> <p>Over nearly level prairie.</p> | |
| 11.37 | <p>AP C-223, on the Hopi-Navajo Partition line, monumented with an iron post, 2 1/2 ins. diam., firmly set, pro- jecting 4 ins. above the ground, with a steel fence post alongside, as described in the field note record of the survey of the Hopi-Navajo Partition line, Seg- ment "C", executed concurrently under this same group.</p> | |
| 39.97 | <p>The 1/4 sec. cor. of secs. 15 and 16, determined in the center of a mound of stone. This position is harmon- iously related to existing original cors., and is accepted as the best available evidence of the original cor. position.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T30N R19E 1/4 S 16 S 15</p> <p>1978</p> </div> <hr/> <p>From the cor. of secs. 9, 10, 15, and 16, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.</p> | |

Dependent Resurvey, Portion of the Subdivisional Lines
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

| CHAINS | |
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| | <p style="text-align: center;">T30N R19E S 9 S 10 S 16 S 15</p> <p style="text-align: center;">1908</p> <p>Add the date 78 to the brass cap.</p> <p>N. 0° 03' W., bet. secs. 9 and 10.</p> <p>Over nearly level prairie.</p> |
| 36.17 | Point for AP C-231-A, on the Hopi-Navajo Partition line. No permanent monument established. |
| 39.98 | <p>Point for the 1/4 sec. cor. of secs. 9 and 10, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> |
| | <p style="text-align: center;">T30N R19E 1/4 S 9 S 10</p> <p style="text-align: center;">1978</p> |
| 79.96 | <p>The cor. of secs. 3, 4, 9, and 10, monumented with an iron post, 2 ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.</p> |
| | <p style="text-align: center;">T30N R19E S 4 S 3 S 9 S 10</p> <p style="text-align: center;">1908</p> <p>Add the date 78 to the brass cap.</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A juniper, 14 ins. in diam., bears S. 72 3/4° E., 413 lks. dist., mkd. T30N R19E S10 BT.</p> <p style="padding-left: 40px;">A pinon, 16 ins. in diam., bears S. 72 1/2° W., 394 lks. dist., mkd. T30N R19E S9 BT. (Record dist: 296 lks.)</p> <p>from which new bearing trees</p> <p style="padding-left: 40px;">A juniper, 14 ins. in diam., bears N. 85° E., 371 lks. dist., mkd. T30N R19E S3 BT.</p> <p style="padding-left: 40px;">A juniper, 20 ins. in diam., bears N. 10 1/2° W., 265 lks. dist., mkd. T30N R19E S4 BT.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 20 and 21, determined at record bearing and dist. from an original bearing tree.</p> <p style="padding-left: 40px;">A juniper, 16 ins. in diam., bears S. 34 3/4° W., 146 lks. dist., mkd. 1/4 S20 BT.</p> |

Dependent Resurvey, Portion of the Subdivisional Lines
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

| CHAINS | | |
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| | <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T30N R19E 1/4 S 20 S 21</p> <p style="text-align: center;">1978</p> <p>from which a new bearing tree</p> <p style="text-align: center;">A pinon, 12 ins. in diam., bears S. 68° E., 157 1/2 lks. dist., mkd. 1/4 S21 BT.</p> <p>N. 0° 23' W., bet. secs. 20 and 21.</p> <p>Over gently rolling prairie.</p> | |
| 39.98 | <p>The cor. of secs. 16, 17, 20, and 21, determined in the center of a mound of stone, 2 ft. base, 1 ft. high. This position is harmoniously related to existing original cors., and is accepted as the best available evidence of the original cor. position.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T30N R19E S 17 S 16 S 20 S 21</p> <p style="text-align: center;">1978</p> | |
| 11.13 | <p>N. 0° 14' E., bet. secs. 16 and 17.</p> <p>Over gently rolling prairie, through scattered timber.</p> <p>AP C-225, on the Hopi-Navajo Partition line, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with a steel fence post alongside, as described in the field note record of the survey of the Hopi-Navajo Partition line, Segment "C", executed concurrently under this same group.</p> <p>From this cor., the cor. of secs. 1, 6, 7, and 12, T. 30 N., Rs. 18 and 19 E., identical with the U.S.G.S. triangulation station "SEC COR 1/30N/18E", monumented with an iron post, 3 ins. diam., firmly set, projecting 18 ins. above ground, with brass cap mkd. as shown below, bears N. 46° 47' W., 217.60 chs. dist.</p> <p style="text-align: center;">T30N R18E R19E S 1 S 6 S 12 S 7</p> <p style="text-align: center;">1978</p> | |

Dependent Resurvey, Portion of the Subdivisional Lines
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

| CHAINS | |
|--------|---|
| 33.18 | Point for AP C-227-A, on the Hopi-Navajo Partition line. No permanent monument established. |
| 39.98 | Point for the 1/4 sec. cor. of secs. 16 and 17, at proportionate dist.; there is no remaining evidence of the original cor. Set an iron post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T30N R19E 1/4 S 17 S 16 1978 </div> from which A juniper, 22 ins. in diam., bears N. 71 1/2° W., 214 lks. dist., mkd. 1/4 S17 BT. Set a steel fence post alongside the cor. |
| 79.96 | The cor. of secs. 8, 9, 16, 17, determined at record bearing and dist. from the original bearing trees A pinon, 8 ins. in diam., bears N. 22 1/2° E., 21 lks. dist., mkd. T30N R19E S9 BT. A juniper, 16 ins. in diam., bears S. 22 3/4° E., 152 lks. dist., mkd. T30N R19E S16 BT. A pinon stump, bears S. 73 1/4° W., 216 lks. dist., with no scribe marks visible. A juniper, 10 ins. in diam., bears N. 52° W., 91 lks. dist., with no scribe marks visible. At the corner point Set an iron post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground to bedrock, in a mound of stone, 4 1/2 ft. base to top, with brass cap mkd. <div style="text-align: center;"> T30N R19E S 8 S 9 S 17 S 16 1978 </div> from which a new bearing tree A pinon, 5 ins. in diam., bears N. 87 1/2° W., 72 lks. dist., mkd. X BT. |
| 39.72 | From the cor. of secs. 16, 17, 20 and 21. S. 89° 59' W., bet. secs. 17 and 20. Over gently rolling prairie. Point for the 1/4 sec. cor. of secs. 17 and 20, at proportionate dist.; there is no remaining evidence of the original cor. |

Dependent Resurvey, Portion of the Subdivisional Lines
T. 30 N., R. 19 E., Gila and Salt River Mer., Arizona

| CHAINS | | |
|--------|---|--|
| | <p>Set an iron post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T30N R19E 1/4 $\frac{S\ 17}{S\ 20}$ 1979</p> <p>Set a steel fence post alongside the cor.</p> | |
| 79.44 | <p>The cor. of secs. 17, 18, 19, and 20, monumented with an iron post, 2 ins. diam., firmly set, flush with the surface of the ground, with brass cap mkd.</p> <p style="text-align: center;">T30N R19E $\frac{S\ 18\ S\ 17}{S\ 19\ S\ 20}$ 1909</p> <p>Add the date 79 to the brass cap and set a steel fence post alongside the cor.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The area resurveyed is located approximately 17 miles NE of Polacca, Arizona. The elevation varies from 6100 ft. to 6450 ft. above sea level. The soil varies from sandy to sandy and stoney throughout the area. The vegetation consists mostly of native grasses. There are scattered areas of pinon and juniper timber.</p> <p>Access is by a secondary road traveling NE out of Polacca, Arizona, from which many other roads branch off in many directions. Drainage is mostly to the south.</p> <p>The average of a number of readings along the lines resurveyed gives a mean magnetic declination of 13 1/2° E. with no noticable difference due to local attraction.</p> | |

CHAINS

Form 9600-11
(August 1979)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

| NAMES | CAPACITY |
|------------------------|---------------|
| Bruce T. Tompkins | Surveying Aid |
| Timothy G. VanLoon | Surveying Aid |
| Robert E. Butler | Surveying Aid |
| Ervin Begay | Surveying Aid |
| Ross H. Taylor | Surveying Aid |
| William M. Lyons | Surveying Aid |
| Robert L. Clark | Surveying Aid |
| Everett E. Gorgen | Surveying Aid |
| Gerald L. Hodgson | Surveying Aid |
| Donald G. Beecroft Jr. | Surveying Aid |
| Roger Bahee | Surveying Aid |
| David Hambeck | Surveying Aid |
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CERTIFICATE OF SURVEY

~~XX~~ (We), Kenneth A. Krenke and Marvin T. Koppang, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 1st day of July, 1977, ~~XXXXXXXXXX~~ and Supplemental Special Instructions dated February 24, 1978, (We) have dependently resurveyed portions of the east and north boundaries and a portion of the subdivisional lines, Township 30 North, Range 19 East,

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by ~~XXXX~~, (us) and under ~~XXXX~~ (our) direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

Kenneth A. Krenke and Marvin T. Koppang are no longer employees of the Bureau of Land Management and could not be reached to sign this Certificate of Survey.

May 29, 1981

 (Date)

Paul D. Dennis

~~XXXXXXXXXXXXXXXXXXXX~~
 Chief, Branch of Cadastral Survey

 (Date)

 (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
 Denver, Colorado

The foregoing field notes of the dependent resurvey of portions of the east and north boundaries and a portion of the subdivisional lines, Township 30 North, Range 19 East, of the Gila and Salt River Meridian, Arizona,

executed by Kenneth A. Krenke, Supervisory Cadastral Surveyor, and Marvin T. Koppang, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

SEP 17 1981

 (Date)

Gary S. Speight

 ACTING (Chief, Cadastral Survey Examination and Approval Staff)

CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

 (Date)

 (Chief, Cadastral Survey Examination and Approval Staff)