

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION

OF THE

SUBDIVISIONAL LINES

OF

TOWNSHIP 12 NORTH, RANGE 24 EAST

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Stephen J. Malloy, Cadastral Surveyor

Under special instructions dated April 25, 1985, approved April 25, 1985

, which provided for the surveys included under Group Number
664 and assignment instructions dated April 25, 1985.

Survey commenced April 29, 1985

Survey completed May 3, 1985

BOOK 5 212

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INDEX DIAGRAM

TOWNSHIP 12 NORTH, RANGE 24 EAST,

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T 12 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines of Township 12 North, Range 24 East, Gila and Salt River Meridian, Arizona.

The subdivisional lines of section 28 were surveyed by O.D. Wheeler, U.S. Deputy Surveyor, in 1882.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated April 25, 1985, for Group No. 664, Arizona.

The directions of all lines were determined from the U.S.C.&G.S. triangulation network, confirmed by altitude observations on the sun, and refer to the true meridian. Distances and angles were measured with an Elta 46 Total Station instrument.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the 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 geographic position of the southeast corner of section 28, as determined from a tie made to U.S.C.&G.S. triangulation station "MESA REDONDO, 1936", located in the NE quarter of section 16, is as follows:

Latitude: $34^{\circ}24'10.04''$ N Longitude: $109^{\circ}47'42.98''$ W

The mean magnetic declination is $13\frac{1}{2}^{\circ}$ E.

Dependent Resurvey, a Portion of the Subdivisional Lines
T 12 N, R 24 E, Gila and Salt River Mer., Arizona

Reestablishment of the survey executed by
O.D. Wheeler, U.S. Deputy Surveyor, in 1882

Beginning at the cor. of secs. 27, 28, 33 and 34, T. 12 N, R. 24 E., remonumented and recorded by G.E. Sparling, Registered Civil Engineer, No. 1414, in 1962, and by Robert S. Shaw, Registered Land Surveyor, No. 5570, in 1985, now monumented with an iron pipe, 18 ins. long, 1 in. diam., projecting 9 ins. above ground, set over a rebar, 5/8 in. diam., 18 ins. long, projecting 9 ins. above ground, with aluminum cap on the rebar mkd. SHAW ENGR INC 28 27 33 34 LS 5570 and a + at center, from which the remains of the original bearing trees

A root hole, bears N 60° E, 19 lks. dist.

A root hole, bears S 74° E, 55 lks. dist.

A root hole, bears N 70° W, 99 lks. dist., with a down pinyon pine alongside, 13 ins. diam., mkd. with an N on a weathered blaze.

At the cor. point

Dependent Resurvey, a Portion of the Subdivisional Lines
T 12 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, over the local monument, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T12N R24E S28 S27 S33 S34 1985</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. pink plastic case beneath the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <p>From this point, the most easterly point of archaeological site AZQ:9:9, with reference to Arizona State Museum grid map, approximately 105 X 80 ft., bears N 8°39' W, 18.37 chs. dist., the long side bears N 20° W.</p> <p>From this same point, the most easterly point of archaeological site AZQ:9:8, with reference to the Arizona State Museum grid map, approximately 85 x 100 ft., bears N 38°40' W, 36.19 chs. dist., the long side bears S 88° W.</p> <p>N 0°16' W, bet. secs. 27 and 28.</p> <p>Over gently rolling land through juniper and pine.</p> <p>40.07 The ¼ sec. cor. of secs. 27 and 28, remonumented by Robert S. Shaw, Registered Land Surveyor, No. 5570, in 1985, with a rebar, 18 ins. long, 5/8 in. diam., projecting 5 ins. above ground, with aluminum cap mkd. SHAW ENGR CO INC ¼ 28 27 LS 5570, and the original basalt stone, 8 x 6 x 4 ins., mkd. ¼ on one face, lying loose alongside, from which an original bearing tree</p> <p style="padding-left: 40px;">A juniper, 14 ins. diam., bears N 87° W, 26 lks. dist., mkd. ¼ S BT on partially healed blaze.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, over the local monument, with brass cap mkd.</p> <p style="text-align: center;">T12N R24E ¼ S28 S27 1985</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Deposit the original stone alongside the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <hr style="width: 20%; margin-left: auto; margin-right: auto;"/> <p>N 1°08' E, beginning new measurement.</p> <p>Over gently rolling land.</p>
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Dependent Resurvey, a Portion of the Subdivisional Lines
T 12 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS		
38.50	Desc. over steep N slope.	
39.93	<p>The cor. of secs. 21, 22, 27 and 28, remonumented by Robert S. Shaw, Registered Land Surveyor, No. 5570, in 1985, with a rebar, 18 ins. long, 5/8 in. diam., projecting 5 ins. above ground, with aluminum cap mkd. SHAW ENGR CO INC 21 22 27 28 LS 5570 and a + in the center, and the original basalt stone, 18 x 12 x 5 ins., mkd. with 2 grooves on the S and 3 grooves on the E faces, lying loose alongside.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 23 ins. in the ground, over the local monument, with brass cap mkd.</p> <div style="text-align: center;"> <p>T12N R24E S21 S22 S28 S27 1985</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. silver plastic case beneath the stainless steel post.</p> <p>Deposit the original stone alongside the stainless steel post.</p> <p>Raise a mound of stone, 3 ft. base, 3 ft. high, W of cor.</p> <p>Set a steel fence post alongside the cor.</p>	
20.04	<p>From the cor. of secs. 27, 28, 33 and 34.</p> <p>N 89°37' W, bet. secs. 28 and 33.</p> <p>Over rolling land, through medium juniper and pine.</p> <p>The E 1/16 sec. cor. of secs. 28 and 33, established by Robert S. Shaw, Registered Land Surveyor, No. 5570, in 1985, monumented with a rebar, 5/8 in. diam., projecting 6 ins. above ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>SHAW ENGR CO INC 2 1 LS 5570</p> </div> <p>N 89°37' W, beginning new measurement.</p> <p>Over gently rolling land.</p>	
20.04	<p>The ¼ sec. cor. of secs. 28 and 33, remonumented by Robert S. Shaw, Registered Land Surveyor, No. 5570, in 1985, with a rebar, 18 ins. long, 5/8 in. diam., projecting 4 ins. above ground, with aluminum cap mkd. SHAW ENGR CO INC ¼ 3 2 LS 5570 and a T in the center, and the original basalt stone, 12 x 10 x 4 ins., mkd. ¼ on one face, lying loose alongside.</p> <p>from which an original bearing tree</p>	

Dependent Resurvey, a Portion of the Subdivisional Lines
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CHAINS

A pinyon, 11 ins. diam., bears N 44° E, 32 lks. dist., mkd. ¼ S BT, with partially healed blaze.

At the cor. point

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, over the local monument, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T12N R24E
¼ S28
S33
1985

Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Deposit the original stone alongside the stainless steel post.

Set a steel fence post alongside the cor.

N 89°42' W, beginning new measurement.

Over rolling land, through medium juniper and pine.

20.085 The W 1/16 sec. cor. of secs. 28 and 33, established by Robert S. Shaw, registered Land Surveyor, No. 5570, in 1985, monumented with a rebar, 5/8 in. diam., projecting 5 ins. above ground, with aluminum cap mkd.

SHAW ENGR CO INC
4 | 3
LS 5570

N 89°42' W, beginning new measurement.

Over rolling land.

20.085 The cor. of secs. 28, 29, 32 and 33, remonumented by Robert S. Shaw, Registered Land Surveyor, No. 5570, in 1985, with a rebar, 18 ins. long, 5/8 in. diam., projecting 14 ins. above ground, with aluminum cap mkd. SHAW ENGR CO INC 28 29 32 33 LS 5570 and a + in the center, and the original basalt stone, 14 x 8 x 5 ins., loosely set alongside, mkd. with 4 grooves on the E face and 1 groove on the S face.

At the cor. point

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 23 ins. in the ground, over the local monument, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T12N R24E
S29 | S28
S32 | S33
1985

Deposit a magnet in a 1 x 1 x 2 5/8 in. blue plastic case beneath the stainless steel post.

Dependent Resurvey, a Portion of the Subdivisional Lines
T 12 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS		
	Deposit the original stone alongside the stainless steel post.	
	Set a steel fence post alongside the cor.	
	Cor. is located in center strip of bladed dirt road, bears N and S.	
	From this cor., the SE cor. of lot 13 of the SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears S 89°10' W, 0.37 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 4 ins. above ground, and in a mound of stone, 2 ft. base, to top.	
	N 0°04' E, bet. secs. 28 and 29.	
	Along dirt road.	
4.54	From this point, the NE cor. of lot 13 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.34 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 1 in. above ground.	
5.24	Intersection of dirt road, 50 ft. wide, bears S and W. Over rolling land, through medium juniper and pine.	
5.29	From this point, the SE cor. of lot 14 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.32 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 1 in. above ground.	
9.82	From this point, the NE cor. of lot 14, identical with the SE cor. of lot 39, SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.31 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 4 ins. above ground.	
14.36	From this point, the NE cor. of lot 39 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.28 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 6 ins. above ground.	
15.11	From this point, the SE cor. of lot 40, identical with the SE cor. of lot 65, SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.26 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 3 ins. above ground.	
24.18	From this point, the NE cor. of lot 65 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.18 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 4 ins. above ground.	

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CHAINS		
24.93	<p>From this point, the SE cor. of lot 66 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.17 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 6 ins. above ground.</p>	
29.47	<p>From this point, the NE cor. of lot 66, identical with the SE cor. of lot 93, SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.16 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 3 ins. above ground.</p>	
34.76	<p>From this point, the SE cor. of lot 94 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.15 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 6 ins. above ground.</p>	
39.31	<p>From this point, the NE cor. of lot 94, identical with the SE cor. of lot 123, SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.06 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 6 ins. above ground.</p>	
40.31	<p>The 1/4 sec. cor. of secs. 28 and 29, remonumented by Robert S. Shaw, Registered Land Surveyor, No. 5570, in 1985, with a rebar, 18 ins. long, 5/8 in. diam., projecting 6 ins. above ground, and the original basalt stone, 10 x 9 x 5 ins., mkd. 1/4 on one face, lying loose alongside.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, over a local monument, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T12N R24E</p> <p>1/4</p> <p>S29 S28</p> <p>1985</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Deposit the original stone alongside the stainless steel post.</p> <p>Set a steel fence post alongside the cor.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N 0°53' E, beginning new measurement.</p> <p>Over rolling land, through medium juniper and pine.</p>	
4.28	<p>From this point, the SE cor. of lot 124 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.20 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 6 ins. above ground.</p>	

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CHAINS								
8.81	<p>From this point, the NE cor. of lot 124, identical with the SE cor. of lot 160 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.19 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 3 ins. above ground.</p>							
13.35	<p>From this point, the NE cor. of lot 160 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.19 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 3 ins. above ground.</p>							
14.07	<p>From this point, the SE cor. of lot 161 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.31 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 3 ins. above ground.</p>							
23.89	<p>From this point, the SE cor. of lot 200 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.26 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 3 ins. above ground.</p>							
28.47	<p>From this point, the NE cor. of lot 200, identical with the SE cor. of lot 240, SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.31 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 3 ins. above ground.</p>							
33.82	<p>From this point, the SE cor. of lot 241 SHOWLOW PINES UNIT TEN Subdivision in section 29, surveyed in 1962 by G.E. Sparling, Civil Engineer No. 1414, a plat of which is on file with the county recorder in Holbrook, AZ, bears West, 0.07 chs. dist., monumented with a rebar, 5/8 in. diam., projecting 4 ins. above ground.</p>							
38.26	<p>From this point, an open end pipe, projecting 10 ins. above ground, with steel fence post alongside, established by persons unknown, bears West, 0.02 chs. dist.</p>							
40.05	<p>The cor. of secs. 20, 21, 28 and 29, monumented with a basalt stone, 10 x 10 x 4 ins., firmly set 5 ins. in the ground, mkd. with 2 grooves on the S face and 4 grooves on the E face.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T12N R24E</p> <table border="0"> <tr> <td>S20</td> <td> </td> <td>S21</td> </tr> <tr> <td>S29</td> <td> </td> <td>S28</td> </tr> </table> <p>1985</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. pink plastic case beneath the stainless steel post.</p>	S20		S21	S29		S28	
S20		S21						
S29		S28						

Dependent Resurvey, a Portion of the Subdivisional Lines
T 12 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS		
	<p>Deposit the original stone alongside the stainless steel post.</p> <p>Raise a mound of stone, 3½ ft. base, 2½ ft. high, W of cor.</p> <p>Set a steel fence post alongside the cor.</p> <p>From this point, the U.S.C.&G.S. triangulation station "MESA REDONDO, 1936", bears N 26°45'00" E, 153.49 chs. dist., monumented with a 3 in. brass tablet, set flush in a basalt stone, 10 x 12 ins., flush with the ground, mkd. MESA REDONDO 1936, and a triangle in the center.</p> <hr/> <p>From the cor. of secs. 21, 22, 27 and 28.</p> <p>N 89°24' W, bet. secs. 21 and 28.</p> <p>Over rolling land, through medium juniper and pine.</p> <p>40.10 Point for the ¼ sec. cor. of secs. 21 and 28, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T12N R24E ¼ $\frac{S21}{S28}$ 1985</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. pink plastic case beneath the stainless steel post.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, N of cor.</p> <p>Set a steel fence post alongside the cor.</p> <p>Cor. is located 10 lks. S and 10 lks. E of a wash, draining S 40° W.</p>	
80.20	<p>The cor. of secs. 20, 21, 28 and 29.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The land encompassed in this survey is located about 10 miles north of the junction of U.S. Highway No. 60 and Arizona State Highway No. 61. The area drains northerly into Martinez Draw and is part of Black Mesa. Elevations range from 6400 feet above sea level near the ¼ section corner of sections 21 and 28, to 6600 feet above sea level.</p> <p>Access into the area is by way of a gravel road at the junction of U.S. Highway No. 60 and Arizona State Highway No. 61 to section 29, then by numerous dirt roads into section 28.</p>	

T 12 N, R 24 E, Gila and Salt River Mer., Arizona

CHAINS

The soil being clay loam with basalt boulders, supports a scattered stand of juniper and pinyon pine. The undergrowth consists of prickly pear cactus and sagebrush.

The archaeological sites AZQ:9:9 and AZQ:9:8, with reference to the Arizona State Museum grid map, are both located within the SE $\frac{1}{4}$ of section 28.

The survey of the SHOW LOW PINES UNIT 10 Subdivision, located in section 29, by G.E. Sparling, Registered Civil Engineer, No. 1414, was completed without using the original $\frac{1}{4}$ section corner of sections 28 and 29. This makes part of the right-of-way on the east side of Showlow Pines Unit Ten Subdivision, as shown on the plat of Sparling's survey, in trespass.

The mean magnetic declination throughout the section is 13 $\frac{1}{2}$ ° E, with a range of 1° in local attraction.

CERTIFICATE OF SURVEY

I, Stephen J. Malloy, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of April, 1985, I have dependently resurveyed a portion of the subdivisional lines of Township 12 North, Range 24 East, Gila and Salt River Meridian, Arizona, 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 the Public Lands of the United States, and in specific manner described in the foregoing field notes.

JUN 20 1985

(Date)

Stephen J. Malloy
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

Arizona State Office
Bureau of Land Management
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines of Township 12 North, Range 24 East, Gila and Salt River Meridian, Arizona, executed by Stephen J. Malloy, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JUN 21 1985

(Date)

James P. Kelley
(Chief Cadastral Surveyor of Arizona)