

ORIGINAL

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES
OF THE
DEPENDENT RESURVEY
OF
A PORTION OF THE SUBDIVISIONAL LINES,
AND A PORTION OF THE
SUBDIVISION OF SECTION 34,
TOWNSHIP 2 NORTH, RANGE 5 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated February 3, 2010, approved February 3, 2010, which provided for the surveys included under Group No. 1076, and assignment instructions dated February 3, 2010.

Survey commenced March 17, 2010

Survey completed March 24, 2010

INDEX DIAGRAM

TOWNSHIP 2 NORTH RANGE 5 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines and a portion of the subdivision of section 34, Township 2 North, Range 5 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: W.F. Ingalls surveyed the south boundary and the subdivisional lines in 1868. Robert A. Farmer, resurveyed the south boundary in 1910 and the subdivisional lines and subdivision of section lines in 1910-1911. Boyd S. Owens and Paul G. Bauer resurveyed a portion of the North Boundary of Township 1 North, Range 5 East in 1962.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and the Special Instructions dated February 3, 2010, for Group Number 1076, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 model receivers.

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

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AZTP TEMPE CORS ARP, AZSC CNTR FOR ARTS CORS ARP and COSA SCOTTSDALE CORS ARP.

The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the corner of sections 34 and 35, on the south boundary of the township, is as follows:

Latitude: 33°27'59.87" N. Longitude: 111°49'19.54" W.

The mean magnetic declination is 11° E.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona**

Restoring the resurvey executed by
Robert A. Farmer, in 1910-11

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS

Beginning at the point for the cor. of secs. 26, 27, 34 and 35, determined at proportionate dist., there is no remaining evidence of the orig. cor.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, in a collar of stone, with brass cap mkd.

T 2 N	R 5 E
S 27	S 26
S 34	S 35

2011

Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

Set a steel fence post, alongside and W. of the cor.

Cor. is located in a closed landfill.

From this cor. point, the point accepted for the E 1/16 sec. cor. of sections 26 and 35, bears N. 89°38' E., 59.99 chs. dist., monumented with a blank brass disk, 2 1/2 ins. diam. cemented in place. This accepted as the best available evidence of the cor. set in 1910.

From this same cor. point, the point accepted for the 1/4 sec. cor. of secs. 27 and 34, bears S. 89°38' W., 39.995 chs. dist., monumented with an iron bar, 1 in. diam., set in a 10 ins. diam., survey well, 16 ins. below the pavement. This accepted as the best available evidence of the cor. set in 1910.

From this same cor. point, the S. 1/16 sec. cor. of secs. 26 and 27, bears N. 0°05' E., 19.965 chs. dist., monumented with an iron pipe, 1 1/2 ins. diam., set 15 ins. below the surface of ground. This accepted as the best available evidence of the cor. set in 1910.

At this cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, over the iron pipe, in a collar of stone, with brass cap mkd.

T 2 N	R 5 E
S 1/16	
S 27	S 26

2010

Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>These control lines were fully retraced and a careful search was made for evidence of intervening cors., none of which was recovered.</p> <p>Note: The 1910 dependent resurvey, established an east and west sectional correction line on the first latitudinal line north of the S, bdy. of the township. The S. 1/16 sec. cor. of secs. 26 and 27, was not utilized in the calculation of the proportioned position for the cor. of secs. 26, 27, 34 and 35.</p> <p>S. 0°02' W., bet. secs. 34 and 35.</p> <p>Across closed land fill, within the SRPMIC.</p>
16.85	<p>Man made right bank of the Salt River, 15 ft. high, bears NE and SW.</p> <p>Thence, within the bed of the Salt River.</p>
19.98	<p>Point for the N. 1/16 sec. cor. of secs. 34 and 35 at proportioned dist., there is no remaining evidence of the 1910 cor. or accessories. Not monumented.</p>
25.98	<p>Point for the meander cor. of sec. 34 and 35, at proportionate dist., established on the S. shore of an island within the Salt River in the 1910 resurvey. There is no remaining evidence of the cor. or accessories. Not monumented.</p>
35.67	<p>Left bank of the Salt River, bears NE and SW</p> <p>Thence, across over flow lands.</p>
37.47	<p>Point for the meander cor. of sec. 34 and 35, at proportionate dist., established on the N. bank of a low island within the Salt River in the 1910 resurvey. There is no remaining evidence of the cor., not monumented.</p>
39.96	<p>Point accepted for the 1/4 sec. cor. of secs. 34 and 35, monumented with an iron pipe, 2 1/2 ins. diam., set in concrete projecting 33 ins. above ground, of unknown origin. This is accepted as the best available evidence of the 1910 cor.</p> <p>From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, of unknown origin, bears S. 79°30' W., 6 lks. dist.</p> <hr/> <p>S. 0°01' E., beginning new measurement.</p>
	<p>Continuing across the bed of the Salt River, within the SRPMIC.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona**

CHAINS	
5.00	Point for the meander cor. of sec. 34 and 35, at proportionate dist., established on the S. bank of an island within the Salt River in the 1910 resurvey. There is no remaining evidence of the orig. cor. Not monumented.
20.02	<p>Point accepted for the S. 1/16 sec. cor. of secs. 34 and 35, also designated as a meander cor. in the 1910 resurvey. Monumented with a rebar, 18 ins. long, 1/2 in. diam., firmly set, 17 ins. in the ground, with attached 1 in. diam. plastic cap, stamped GETTINGS RLS 27239. This is accepted as a careful and faithful reestablishment of the cor.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <p align="center">T 2 N R 5 E</p> <p align="center">S 1/16 S 34 S 35</p> <p align="center">2010</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Deposit the rebar inside the stainless steel post.</p> <p>Raise a mound of stone, 3 ft. base, 1 ft. high N. of the cor.</p> <hr/> <p>S. 0°01' E., beginning new measurement.</p> <p>On the S. bdy. of the SRPMIC.</p>
17.74	<p>The cor. of secs. 34 and 35, on the S. bdy. of the Tp., monumented with a brass disk, 3 ins. diam., set in concrete flush with the surface of ground, with brass disk mkd. MARICOPA COUNTY D.O.T. RLS. This is accepted as a the best available evidence of the 1910 cor.</p> <hr/> <p>From the cor. of secs. 27, 28, 33 and 34, monumented with a blank brass disk, 3 ins. diam., set 6 ins. below the pavement, within a 10 ins. diam. survey well. This is accepted as the best available evidence of the 1910 cor.</p> <p>Cor. is located at the intersection of Thomas Road, bearing E. and W. and Country Club Drive, bearing N. and S.</p> <p>S. 0°01' E., bet. secs. 33 and 34, within the SRPMIC.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Within Country Club Drive.</p>
19.98	<p>Point accepted for the N. 1/16 sec. cor. of secs. 33 and 34, monumented with a blank brass disk, 3 ins. diam., seated in concrete, 10 ins. below the pavement, set inside a 10 ins. diam., survey well. This is accepted as the best available evidence of the orig. cor.</p>
	<p>Cor. is located within Country Club Drive.</p> <hr/>
	<p>S. 0°01' E., beginning new measurement.</p>
19.99	<p>Point accepted for the 1/4 sec. cor. of secs. 33 and 34, occupied with a 10 ins. diam., survey well, no disk found. This is accepted as the best available evidence of the 1910 cor.</p>
	<p>Cor. is located at the intersection of Oak Street, bearing E. and W., and Country Club Drive bearing N.</p> <hr/>
	<p>S. 0°03' E., beginning new measurement.</p>
10.65	<p>Northerly edge of pavement, State Route No. 87, bears NE and SW.</p>
12.55	<p>Southerly edge of pavement, State Route No. 87, bears NE and SW.</p>
19.995	<p>Point for the S. 1/16 sec. cor. of secs. 33 and 34, at proportionate dist., there is no remaining evidence of the 1910 cor. or accessories. Not monumented.</p>
35.49	<p>Point for the meander cor. of sec. 33 and 34, at proportionate dist., established on right bank of the N. fork of the Salt River in the 1910 resurvey, falls in drainage canal. There is no remaining evidence of the cor. Not monumented.</p>
39.59	<p>The point for the cor. of secs. 33 and 34, on the S. bdy. of the Tp., determined at proportionate dist., there is no remaining evidence of the 3 ins. diam. open end pipe accepted in the 1962 resurvey. Cor. falls in a canal which is part of a flood control project for State Route 87, not monumented.</p>
	<p>From this point, the cor. of secs. 3 and 4, T. 1 N., R. 5 E., bears S. 88°17' W., 2.53 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, 24 ins. below the surface, with brass cap mkd. T2N R5E S33 S4 S3 T1N R5E 1962.</p> <hr/>

Subdivision of the SE 1/4 of Sec. 34,
T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Restoring the survey executed by Robert A. Farmer, in 1910</p> <hr/> <p>Note: The 1910 Farmer subdivision of section 34, utilized the three mile method of section subdivision.</p> <hr/> <p>From the S. 1/16 sec. cor. of secs. 34 and 35, hereinbefore described.</p> <p>S. 89°37' W., on a portion of the E. and W. center line of the SE 1/4 of sec. 34, identical with the S. bdy. of the SRPMIC.</p> <p>Across bed of the Salt River.</p>
13.00	Point for the meander cor., determined at proportionate dist., established on the top of bank, on S. side of low island within the Salt River in the 1910 resurvey. There is no remaining evidence of the cor. Not monumented.
19.99	Point accepted for the SE 1/16 sec. cor. of sec. 34, monumented with an iron pipe, 3 1/2 ins. diam., set in concrete projecting 1 in. above ground, unknown origin. This accepted as the best available evidence of the 1910 cor.
	Drive a stainless steel rod, 12 ins. long, 1/2 in. diam., inside the iron pipe, with brass cap mkd.
	<p>T 2 N R 5 E</p> <p>SE 1/16 S 34</p> <p>2010</p>
	Raise a mound of stone, 5 ft. base, 3 ft. high NW of the cor.
	From this cor., the point for the S. 1/16 sec. cor. of secs. 33 and 34, bears S. 89°40' W., 59.95 chs. dist., hereinbefore described.
	<hr/> <p>S. 0°01' E., on a portion of the N. and S. center line of the SE 1/4 of sec. 34.</p>
	Over bed of the Salt River, on the S. bdy. of the SRPMIC.
16.00	Point for the meander cor., determined at record dist., established on the right bank of the Salt River in the 1910 resurvey. There is no remaining evidence of the orig. cor. Not monumented.

Subdivision of the SE 1/4 of Sec. 34,
T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>18.15 The E. 1/16 sec. cor. of sec. 34, on the S. bdy. of the Tp., monumented with a rebar, 18 ins. long, 1/2 in. diam., set 18 ins. in the ground, with attached 1 in. diam., plastic cap, stamped GETTING RLS 27239. This is accepted as a careful and faithful establishment of the 1910 cor.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, in a mound of stone, 5 ft. base, 2 ft. high, with brass cap mkd.</p> <p style="text-align: center;">T 2 N R 5 E S 34 E 1/16 ———</p> <p style="text-align: center;">T 1 N 2010</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post, deposit the rebar inside the stainless steel post.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The area resurveyed is in and along the Salt River. A closed landfill within the bed of the Salt River is the dominant geographic feature, several sand and gravel mining operations are located south and west of the area surveyed. The SE 1/4 of the SE 1/4 of section 34, is patented land, which is bounded on the on the east, west and north by the SRPMIC.</p> <p>The mean magnetic declination of 11° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2005-2010 for the dates of survey.</p> <hr/>
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CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 3rd day of February, 2010, I have dependently resurveyed a portion of the subdivisional lines and a portion of the subdivision of section 34, Township 2 North, Range 5 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 me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

Aug. 4, 2011
(Date)

Gordon R. Bubel
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines and a portion of the subdivision of section 34, Township 2 North, Range 5 East, of the Gila and Salt River Meridian, in the State of Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

9/26/2011
(Date)

Denny J. West
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in T. 2 N., R. 5 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

~~_____~~
~~(Chief Cadastral Surveyor of Arizona)~~