ORIGINAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES

THE SUBDIVISION OF SECTIONS 10 AND 11

AND THE

METES-AND-BOUNDS SURVEYS IN SECTIONS 10 AND 11

TOWNSHIP 13 SOUTH, RANGE 12 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Geoffrey A. Graham, Cadastral Surveyor

Under Special Instructions dated January 5, 2004, approved January 5, 2004, which provided for the surveys included under Group No. 918, and assignment instructions dated January 5, 2004.

Survey commenced January 12, 2004

Survey completed March 10, 2004

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TOWNSHIP 13 SOUTH RANGE 12 EAST

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T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, the subdivision of sections 10 and 11, and the metes-and-bounds surveys in sections 10 and 11, Township 13 South, Range 12 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows:

In 1907 Jesse B. Wright surveyed the portion of the subdivisional lines that concern this survey.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated January 5, 2004, for Group No. 918, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5800 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 post observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) COSA SCOTTSDALE CORS ARP, COT1 TUSCON CORS ARP, AZGB GILA COUNTY CORS ARP. The NAD 83 (CORS96) (EPOCH:2002), geographic position of the 1/4 section corner of sections 11 and 14, is as follows:

Latitude: 32°18'31.45" N. Longitude: 111°05'18.31" W.

The mean magnetic declination is 11 1/2° E.

CHAINS

Restoring the survey executed by Jesse B. Wright, in 1907

Beginning at the 1/4 sec. cor. of secs. 11 and 14, occupied with a railroad spike, firmly set, 3 ins. below asphalt surface. This is accepted as a careful and faithful perpetuation of the orig. cor.

from which the Pima County record reference monuments

- A rebar, 1/2 in. diam., firmly set, projecting 1 in. above the ground, in the SE quadrant, 64.3 lks. dist. (42.43 ft.), with no tag.
- A rebar, 1/2 in. diam., firmly set flush with the ground, in the SW quadrant, 64.3 lks. dist. (42.43 ft.), with no tag.

Cor. is located 13 lks. S. of the north edge of pavement in the west bound lane of Sunset Road at the intersection with Gerhart Road. Sunset Road bears E. and W. and Gerhart Road extends S.

S. 89°51' W., bet. secs. 11 and 14.

39.77

The cor. of secs. 10, 11, 14 and 15, monumented with a nail, set flush in asphalt surface, with white paint depicting the sections in their respective quadrants.

from which the remains of the orig. bearing trees

A mesquite stump, 6 ins. diam., bears N. 20 1/2° W., 130 lks. dist.

from which Pima County record reference monuments

- A rebar, 1/2 in. diam., firmly set, projecting 3 ins. above the ground, in the NE quadrant, 64.3 lks. dist. (42.43 ft.), with no tag.
- A rebar, 1/2 in. diam., firmly set, projecting 1 in. above the ground, in the NW quadrant, 64.3 lks. dist. (42.43 ft.), with no tag.

Find the remains of the orig. basalt stone, 11 X 11 X 6 ins., mkd. with 4 grooves on one face, laying loose in pile of rocks in a row of mailboxes SW of the cor. (Record: 24 X 16 X 10 ins.)

Cor. is located at the intersection of Park Ridge and Sunset Road, 5 lks. S. of north edge of pavement. Sunset Road curves from E. to S., and Park Ridge extends W.

	T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
CHAINS	
	N. 0°22' W., bet. secs. 10 and 11.
14.61	Point for angle point 12, sec. 10, identical with angle point 1, sec. 11, of the metes-and-bounds survey, hereinafter described.
39.95	The 1/4 sec. cor. of secs. 10 and 11, monumented with a basalt stone, 14 X 9 X 8 ins., firmly set, projecting 8 ins. above the ground, in a scattered mound of stone, 4 ft. diam., mkd. 1/4 on W. face. (Record: granite, 24 X 10 X 8 ins.)
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 17 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T 13 S R 12 E 1/4 S 10 S 11
	2004
	Deposit a magnet in a white plastic case at the base, and the mkd. stone alongside, of the stainless steel post.
	Cor. is located on ridge bearing N. 45° E. and S. 45° W.
	North, beginning new measurement.
39.49	Point for angle point 1, sec. 10, identical with angle point 15, sec. 11, of the metes-and-bounds survey, hereinafter described.
39.94	The cor. of secs. 2, 3, 10 and 11, determined at bearing-bearing intersection from Pima County record reference monuments, based on the Arizona Land Survey Monument Reference Record by Ev Ren, dated May 25, 1994, there is no evidence of the iron pipe found in 1994, not monumented. This is accepted as a careful and faithful perpetuation of the orig. cor.
	from which the Pima County record reference monuments
	An iron pipe, 2 ins. diam., firmly set, projecting 2 ins. above the ground, bears N. 44°52' E., 64.1 lks. dist. (42.31 ft.). (Record: 42.42 ft.)
	An iron pipe, 2 ins. diam., firmly set, projecting 6 ins. above the ground, bears S. 45°10' E., 64.2 lks. dist. (42.36 ft.). (Record: 42.42 ft.)
	An iron pipe, 2 ins. diam., firmly set, projecting 6 ins. above the ground, bears S. 44°52' W., 64.2 lks. dist. (42.40 ft.). (Record: 42.42 ft.)

CHAINS	
,	An iron pipe, 2 ins. diam., firmly set, projecting 8 ins. above the ground, bears N. 45°10' W., 64.5 lks. dist. (42.55 ft.). (Record: 42.42 ft.)
	Cor. is located 3 lks. S. of N. edge of Belmont Road, bladed dirt, 18 ft. wide, bears E. and W.
	From the 1/4 sec. cor. of secs. 2 and 11, monumented with a rebar, 1/2 in. diam., firmly set, 2 ins. below grade.
	from which the remains of the orig. bearing trees
	A 6 in. diam. trunk of a palo verde, 18 ins. diam., bears North, 105 lks. dist., with a healed blaze.
	from which the Pima County record reference monuments
	A rebar, 1/2 in. diam., firmly set, projecting 1 in. above the ground, in a collar of stone, bears N. 45°02' E., 160.6 lks. dist. (106.03 ft.), with no tag. (Record: 106.07 ft.)
	A rebar, 1/2 in. diam., firmly set, projecting 1 in. above the ground, in a collar of stone, bears S. 44°56' E., 160.6 lks. dist. (106.02 ft.), with no tag. (Record: 106.07 ft.)
	A rebar, 1/2 in. diam., firmly set, projecting 1 in. above the ground, in a collar of stone, bears N. 44°59' W., 160.9 lks. dist. (106.22 ft.), with no tag. (Record: 106.07 ft.)
	Cor. is located 3 lks. N. of S. edge of Belmont Road, bladed dirt, 18 ft. wide, bears E. and W.
	S. 89°47' W., bet. secs. 2 and 11.
40.09	The cor. of secs. 2, 3, 10 and 11.
	From the cor. of secs. 10, 11, 14 and 15.
	N. 89°59' W., bet. secs. 10 and 15.
23.84	Point for angle point 7, sec. 10, of the metes-and-bounds survey, hereinafter described.
39.68	The 1/4 sec. cor. of secs. 10 and 15, monumented with a basalt stone, 19 X 9 X 6 ins., firmly set, projecting 12 ins. above ground, mkd. 1/4 on N. face, in a scattered mound of stone. (Record: quartzite, 24 X 10 X 8 ins.)

CHAINS

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

2004

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

Cor. is located 18 lks. N. of curve in gravel road, 15 ft. wide, extending E. and S.

S. 89°31' W., beginning new measurement.

40.06

The cor. of secs. 9, 10, 15 and 16, monumented with a basalt stone, 22 X 12 X 9 ins., firmly set, projecting 18 ins. above the ground, mkd. with 4 grooves on the S. face, the E. face broken off, in a mound of stone 2 ft. diam. (Record: 28 X 14 X 10 ins.)

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

2004

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

N. 0°15' E., bet. secs. 9 and 10.

7.33

A well casing, 8 ins. diam., with windmill and concrete water tank bears W. for 24 lks. Eight goldfish reside in the water tank.

39.90

Point for the 1/4 sec. cor. of secs. 9 and 10, at proportionate dist. there is no remaining evidence of the orig. cor.

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T 13 S R 12 E 1/4 S 9 | S 10

2004

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

59.85 | Point for the N. 1/16 sec. cor. of secs. 9 and 10.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

T 13 S R 12 E N 1/16 S 9 | S 10

2004

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

From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground, with tag mkd. LS 13019, bears N. 17°11' E., 3 lks. dist.

From this same cor. point, a rebar, 5/8 in. diam., firmly set, projecting 1 in. above the ground, with an aluminum cap mkd. LS 4785, bears N. 39°14' E., 2 lks. dist.

A steel fence post is set northerly of all three monuments.

79.80 The cor. of secs. 3, 4, 9 and 10, monumented with an iron pipe, 2 ins. diam., firmly set, projecting 7 ins. above the ground.

from which the remains of the orig. bearing trees

- A mesquite, 34 ins. diam., bears S. 42° W., 70 lks. dist., with a healed blaze.
- A mesquite, 28 ins. diam., bears N. 29 1/2° W., 72 lks. dist., with a healed blaze.

Cor. is located 91 lks. E. of access road, and 30 lks. N. of a driveway, on the left bank of a wash, 30 ft. wide, 3 ft. deep, drains N. 10° E., from S. 10° W.

	T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
CHAINS	
	From the cor. of secs. 2, 3, 10 and 11.
	S. 89°48' W., bet. secs. 3 and 10.
39.23	The 1/4 sec. cor. of secs. 3 and 10, determined at distdist. intersection from Pima County record reference monuments. This is accepted as a careful and faithful perpetuation of the orig. cor., not monumented.
	from which Pima County record reference monuments.
	An iron pipe, 2 ins. diam., firmly set, projecting 4 ins. above the ground, bears N. 44°54' E., 64.3 lks. dist. (42.42 ft.).
	An iron pipe, 2 ins. diam., firmly set, projecting 6 ins. above the ground, bears S. 45°13' E., 64.3 lks. dist. (42.42 ft.).
	Cor. is located at the intersection of Belmont and Verde Roads, at the entrance to Luna Azul ranch. Verde Road extends N., the entrance extends S., and Belmont Road extends W.
	S. 89°36' W., beginning new measurement.
19.94	Point for the W. 1/16 sec. cor. of secs. 3 and 10, not monumented.
39.88	The cor. of secs. 3, 4, 9 and 10.
	Subdivision of Section 10, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 10 and 15.
	N. 0°08' E., along the N. and S. center line of sec. 10.
39.75	Point for the center 1/4 sec. cor. of sec. 10, at intersection with the E. and W. center line, not monumented.
59.745	Point for the center N. 1/16 sec. cor. of sec. 10.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Subdivision of Section 10, . 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

	T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 13 S R 12 E
	N 1/16 S 10 C
	2004
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above the ground, with a tag mkd. LS 13019, bears N. 11°21' W., 0.6 lks. dist.
79.74	The 1/4 sec. cor. of secs. 3 and 10.
	From the 1/4 sec. cor. of secs. 10 and 11.
	S. 89°44' W., along the E. and W. center line of sec. 10.
39.33	The center 1/4 sec. cor. of sec. 10.
59.31	Point for the center W. 1/16 sec. cor. of sec. 10, not monumented.
79.29	The 1/4 sec. cor. of secs. 9 and 10.
	From the center W. 1/16 sec. cor. of sec. 10.
	N. 0°12' E., along the N. and S. center line of the NW 1/4 of sec. 10.
19.97	Point for the NW 1/16 sec. cor. of sec. 10, at intersection with the E. and W. center line of the NW 1/4.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 11 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T 13 S R 12 E
	NW 1/16 S 10
	2004
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 1 1/2 ins. above the ground, in a collar of stone, bears N. 2°17' E., 2.7 lks. dist.

Subdivision of Section 10,

	T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
CHAINS	
	A steel fence post is set westerly of the cor.
39.94	The W. 1/16 sec. cor. of secs. 3 and 10.
	From the center N. 1/16 sec. cor. of sec. 10.
	S. 89°40' W., along the E. and W. center line of the NW 1/4 of sec. 10.
19.96	The NW 1/16 sec. cor. of sec. 10.
30.23	Point for angle point 6, sec. 10, of the metes-and-bounds survey, hereinafter described.
39.92	The N. 1/16 sec. cor. of secs. 9 and 10.
	Subdivision of Section 11, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 11 and 14.
	N. 0°03' E., along the N. and S. center line of sec. 11.
39.90	Point for the center 1/4 sec. cor. of sec. 11, at intersection with the E. and W. center line, not monumented.
	Point falls near center line of Abington Road.
79.94	The 1/4 sec. cor. of secs. 2 and 11.
	From the 1/4 sec. cor. of secs. 11 and 12, monumented with a lead capped pipe, 1 1/2 ins. diam., firmly set, projecting 7 ins. above the ground in a collar of stone. Lead cap is not mkd. This is accepted as the best available evidence of the orig. cor. position.
	S. 89°56' W., along the E. and W. center line of sec. 11.
39.99	The center 1/4 sec. cor. of sec. 11.
50.89	Intersect line 10-11 of the metes-and-bounds survey in sec. 11.
	From this cor. point, angle point 11, sec. 11, of the metes-and-bounds survey, bears N. 30°19' W., 3.35 chs. dist., hereinafter described.

Subdivision of Section 11,

T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

80.04

The 1/4 sec. cor. of secs. 10 and 11.

Metes-and-Bounds Survey in Section 10, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

From the point for angle point 1, sec. 10, determined at the intersection of the S. right-of-way of Belmont Road and the sec. line bet. secs. 10 and 11. This point is identical with angle point 15, sec. 11.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.

2004

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

Cor. is located 18 lks. S. of S. edge of existing Belmont Road, bladed gravel, 18 ft. wide, bears E. and W.

S. 89°48' W., on line 1-2, along the S. right-of-way, Belmont Road.

23.86

Point for angle point 2, sec. 10.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.

2004

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

From this cor. point, a rebar, 1/2 in. diam., firmly set, 4 ins. below the ground, with illegible plastic cap, bears S. 80°30' E., 2.2 lks. dist.

T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

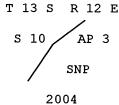
Cor. is located 45 lks. S. of the S. edge of the existing bladed dirt road, 24 ft. wide, bears E. and W.

S. 33°00' W., on line 2-3.

6.34

Point for angle point 3, sec. 10.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.



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

From this cor. point, a rebar, 1/2 in. diam., firmly set, 4 ins. below the ground, with a yellow plastic cap mkd. RLS 11892, bears N. $42^{\circ}52'$ E., 10.3 lks. dist.

S. 17°58' W., on line 3-4.

14.96

Point for angle point 4, sec. 10.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.

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

2004

From this cor. point, a rebar, 1/2 in. diam., firmly set, flush with the ground, with a yellow plastic cap and a tag, both mkd. RLS 11892, bears S. 86°38' E., 3.7 lks. dist.

S. $89^{\circ}40^{\circ}$ W., on the extension of the bearing of the E. and W. center line of the NW 1/4 of sec. 10.

Metes-and-Bounds Survey in Section 10, , R. 12 E., Gila and Salt River Meridian, Ariz

	T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
CHAINS	
7.35	The center N. 1/16 sec. cor. of sec. 10.
,	From the NW 1/16 sec. cor. of sec. 10.
	N. 60°44' W., along the National Park boundary.
11.75	Point for angle point 5, sec. 10.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 13 S R 12 E
	S 10 AP 5 SNP
	2004
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From this cor. point, a rebar, 1/2 in. diam., firmly set, flush with the ground, with illegible tag, bears N. 10°28' E., 3.2 lks. dist.
	S. 0°11' W., on line 5-6.
5.80	Point for angle point 6, sec. 10, determined at intersection with the E. and W. center line of the NW 1/4 sec. 10.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T 13 S R 12 E S 10 AP 6
	SNP
	2004
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From this cor. point, a rebar, 1/2 in. diam., firmly set, projecting 1/2 in. above the ground, with an illegible tag, bears N. 8°10' E., 2.5 lks. dist.

Metes-and-Bounds Survey in Section 10, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

From the point accepted for angle point 7, sec. 10, on the E. 1/2 of the sec. line bet. secs. 10 and 15, monumented with a rebar, 1/2 in. diam., firmly set, projecting 2 1/2 ins. above the ground, with tag mkd. RLS 26932.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

2004

Deposit a magnet in a white plastic case at the base, and the 16 1/2 in. long rebar inside of the stainless steel post.

North, on line 7-8.

11.70 Point for angle point 8, sec. 10, determined at intersection of N. right-of-way, Abington Road.

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

2004

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

Cor. is located 22 lks. N. of existing Abington Road, a gravel track road, 9 ft. wide, bears S. 89°51' E. and N. 89°51' W.

S. 89°51' E., on line 8-9, along the N. right-of-way, Abington Road.

Point accepted for angle point 9, sec. 10, identical with the point of a non-tangent curve, monumented with a rebar, 1/2 in. diam., firmly set, projecting 4 ins. above the ground.

At the corner point

Metes-and-Bounds Survey in Section 10, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

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

T 13 S R 12 E SNP AP 9 S 10 2004

Deposit a magnet in a white plastic case at the base, and the 12 1/2 in. long rebar inside of the stainless steel post.

Cor. is located 36 lks. N. of existing Abington Road, a gravel track road, 9 ft. wide.

Thence, on line 9-10, along a non-tangent curve to the left, having a central angle of 9°41', a radius of 3514.07 ft., on the N. right-of-way of Abington Road, the chord of said arc bears N. 85°13' E., 8.98 chs. dist. A radial line of said curve through angle point 9, bears S. 0°03'15" E.

8.99

Point accepted for angle point 10, identical with point of a non-tangent line, monumented with an iron pipe, 1 1/4 ins. diam., firmly set, projecting 3 ins. above the ground, with a rebar 5/8 in. diam., inside of it, in a collar of stone.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, in a collar of stone, with brass cap mkd.

Deposit a magnet in a white plastic case at the base, and the $11\ 1/2$ in. long iron pipe and the 15 in. long rebar inside of the stainless steel post.

Cor. is located 36 lks. N. of existing Abington Road, old asphalt pavement, 18 ft. wide.

N. $80^{\circ}15'$ E., on line 10-11, along the N. right-of-way of Abington Road.

	Metes-and-Bounds Survey in Section 10, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
CHAINS	
5.54	Point for angle point 11, sec. 10, identical with the point of a non-tangent curve.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 13 S R 12 E SNP
	AP 11
	s 10
	2004
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Cor. is located 15 lks. N. of existing Abington Road, old asphalt pavement of varying width.
	Thence, on line 11-12, along a non-tangent curve to the left, having a central angle of 11°07', a radius of 1607.02 ft., on the N. right-of-way of Abington Road, the chord of said arc bears N. 74°52'30" E., 4.72 chs. dist. A radial line of said curve through angle point 11, bears S. 9°33'45" E.
4.72	Point for angle point 12, sec. 10, determined at intersection of the N. right-of-way, Abington Road and the sec. line. bet. secs. 10 and 11. This point is identical with angle point 1, sec. 11.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 13 S R 12 E
	SNP
	AP 12 AP 1
	S 10 S 11
	2004
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Cor. is located 64 lks. N. of existing Abington Road, old asphalt pavement of varying width.
1	

Metes-and-Bounds Survey in Section 11, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

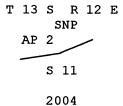
CHAINS

From angle point 1, sec. 11, identical with angle point 12, sec. 10, on line 1-2, sec. 11, continue along a non-tangent curve to the left, having a central angle of $9^{\circ}38^{\circ}$, a radius of 1607.02 ft., on the N. right-of-way, Abington Road, the chord of said arc bears N. $64^{\circ}30^{\circ}45^{\circ}$ E., 4.09 chs. dist.

4.10

Point for angle point 2, sec. 11, identical with the point on a non-tangent line, determined from right-of-way monuments on the right-of-way, Abington Road.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., flush with the ground, with brass cap mkd.



from which a right-of-way monument on S. side of Abington Road

An iron pipe, 1 in. diam., with remains of lead cap, firmly set, 1 in. above the ground, bears S. 30°41'30" E., 0.91 chs. dist. (60 ft.).

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

Cor. is located 30 lks. N. of existing Abington Road, old asphalt of varying width, in wide gravel shoulder.

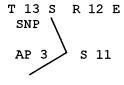
N. 54°45' E., on line 2-3.

0.50

Point accepted for angle point 3, sec. 11, identical with a right-of-way monument on N. side of Abington Road, monumented with two rebars, both 1/2 in. diam., firmly set, one flush the other 6 ins. below the ground, both with tags mkd. RLS 19862.

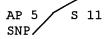
At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

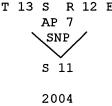


2004

	Metes-and-Bounds Survey in Section 11, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
CHAINS	
,	Deposit a magnet in a white plastic case at the base, and the two 17 in. long rebars inside of the stainless steel post.
	Cor. is located 1.2 lks. SSW of fence cor., fence extending N. 30° W., and 27 lks. N. of Abington Road, near transition from old pavement to new.
	N. 30°18' W., on line 3-4, along fence around Tucson Mountain Reserve subdivision.
2.09	Point accepted for angle point 4, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above the ground, with a tag mkd. RLS 19862.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 13 S R 12 E
	AP 4 S 11 SNP
	2004
	Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.
	Cor. is located 3 lks. N. of fence cor., fences extending N. 31° E. and S. 30° E.
	N. 30°42' E., on line 4-5, along fence around Tucson Mountain Reserve subdivision.
12.89	Point accepted for angle point 5, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set flush with the ground.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	T 13 S R 12 E



	Metes-and-Bounds Survey in Section 11, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.
	Cor. is located 1 lk. N. of fence cor., fences extending S. 31° W. and N. 53° E.
	N. 52°58' E., on line 5-6, along fence around Tucson Mountain Reserve subdivision.
15.50	Point accepted for angle point 6, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 13 S R 12 E
	AP 6
	AP 6 S 11 SNP
	2004
	Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.
	Cor. is located 1 lk. N. of fence cor., fence extending S. 53° W.
	S. 30°19' E., on line 6-7, between lots 121 and 122, Tucson Mountain Reserve subdivision.
10.15	Point accepted for angle point 7, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground, with tag mkd. RLS 19862. This point identical with cor. of lots 121 and 122, Tucson Mountain Reserve subdivision.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 13 S R 12 E AP 7
	SNP
	s 11



Т.	13 S.	R.	12 E.,	Gila	and	Salt	River	Meridian,	Arizona

CHAINS

0.43

Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.

Cor. is located on the N. right-of-way of Abington Road, 27 lks. N. of north edge of pavement, 22 ft. wide.

N. 59°34' E., on line 7-8, along the N. right-of-way of Abington Road.

Point accepted for angle point 8, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set, projecting 3 ins. above the ground, with tag mkd. RLS 19862. This point identical with point of curvature.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

> T 13 S R 12 E AP 8

> > 2004

Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.

Cor. is located on the N. right-of-way of Abington Road, 30 lks. N. of north edge of pavement, 22 ft. wide.

Thence, on line 8-9A, along a circular curve to the left, having a central angle of 18°43', a radius of 879.46 ft., on the N. right-of-way of Abington Road, the chord of said arc bears N. 50°13' E., 4.33 chs. dist.

2.85

Point on curve accepted for angle point 9, sec. 11, monumented with a rebar, 7/16 in. diam., loosely set, projecting 2 ins. above the ground, with tag mkd. RLS 19862. This point identical with the cor. of lots 122 and 123 Tucson Mountain Reserve subdivision.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.

T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

T 13 S R 12 E SNP AP 9 S 11

2004

Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.

Cor. is located on the N. right-of-way of Abington Road, 36 lks. N. of north edge of pavement, 25 ft. wide.

Point accepted for angle point 9A, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground, with a tag mkd. RLS 19862. This point identical with point of tangency.

At the corner point

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

T 13 S R 12 E SNP AP 9A S 11

2004

Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.

Cor. is located on the N. right-of-way of Abington Road, 27 lks. N. of north edge of pavement, 25 ft. wide.

N. 40°51' E., on line 9A-10, along the N. right-of-way of Abington Road.

Point accepted for angle point 10, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set, projecting 2 ins. above the ground, with tag mkd. RLS 19862. This point identical with the cor. of lots 123 and 124, Tucson Mountain Reserve subdivision.

At the corner point

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

T.	13 S.,	R.	12	E.,	Gila	and	Salt	River	Meridian,	Arizona

	1. 13 S., R. 12 E., GITA AND SAIL RIVEL MELICIAN, ALIZONA								
CHAINS									
	T 13 S R 12 E								
,	AP 10 S 11								
	SNP								
	2004								
	Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.								
	Cor. is located on the N. right-of-way of Abington Road, 27 lks. northerly of the edge of pavement								
	N. 30°19' W., on line 10-11, bet. lots 123 and 124, Tucson Mountain Reserve subdivision.								
6.23	Intersect the E. and W. center line of sec. 11.								
	From this point, the center 1/4 sec. cor. of sec. 11, bears N. 89°56' E., 10.90 chs. dist.								
9.58	Point accepted for angle point 11, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set, projecting 4 ins. above the ground.								
	At the corner point								
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.								
	T 13 S R 12 E								
	AP 11 S 11								
	2004								
	Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.								
	Cor. is located 1.2 lks. N. of fence cor., fence extending N. 53° E.								
	N. 52°59' E., on line 11-12, along fence around Tucson Mountain Reserve subdivision.								
9.14	Point accepted for angle point 12, sec. 11, monumented with a rebar, 1/2 in. diam., firmly set, projecting 1 1/2 ins. above the ground, with tag mkd. RLS 12122.								
	At the corner point								

T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

2004

Deposit a magnet in a white plastic case at the base, and the 17 in. long rebar inside of the stainless steel post.

Cor. is located 2 lks. W. of fence cor., fences extending S. 53° W. and N. 5° W.

N. $5^{\circ}00'$ W., on line 12-13, along fence around Tucson Mountain Reserve subdivision.

18.94

Point accepted for angle point 13, sec. 11, monumented with an iron pipe, 1 in. diam., firmly set, projecting 5 ins. above the ground, with an unmarked aluminum cap.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

2004

Deposit a magnet in a white plastic case at the base, and the 12 in. long iron pipe inside of the stainless steel post.

Cor. is located 1 lk. W. of fence cor., fence extending S. 5° E.

N. 11°49' E., on line 13-14.

12.58

Point accepted for angle point 14, sec. 11, monumented with an iron pipe, 1 1/4 ins. diam., firmly set, projecting 3 ins. above ground, with an unmarked aluminum cap, in a mound of stone 2 ft. diam.

At the corner point

Metes-and-Bounds Survey in Section 11, T. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.

T 13 S R 12 E

AP 14/ S 11

2004

Deposit a magnet in a white plastic case at the base, and the 18 in. long iron pipe inside of the stainless steel post.

Cor. is located on the S. right-of-way Belmont Road, 45 lks. S. of S. edge of existing bladed dirt road, 25 ft. wide, bears E. and W.

S. 89°47' W., on line 14-15, along the S. right-of-way of Belmont Road.

35.68

Angle point 15, sec. 11, identical with angle point 1, sec. 10, hereinbefore described.

GENERAL DESCRIPTION

This survey is an expansion of the Saguaro National Park, located west of the Tucson metropolitan area, just west of the town limits of Marana. Primary access is provided by the Abington and Belmont Roads which form portions of the boundary. Other accesses to the southern and northern portions of the project are from Sunset and Ina Roads. Tucson Mountain Reserve subdivision forms the southern boundary through section 11, with the rest of the private land bordering this survey being made up of small "ranches" and homes.

The area is mostly undisturbed, but there are several well used horse and hiking trails through it. The vegetation is classic to the Arizona Upland subdivision of the Sonoran Desertscrub with many fine specimens of mesquite, palo verde, and a wide variety of cacti. Wildlife observed are also typical of the biotic community.

The mean magnetic declination of 11 1/2° E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG v4.0, utilizing the International Geomagnetic Reference Field model for years 2000 through 2005, for the dates of survey.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

THE AUDIOTATIO								
NAMES	CAPACITY							
John Heintel	Surveying Technician							
Robert J. Lyle	Surveying Technician							
Richard "Poke" McDonald	Surveying Technician							
Michelle M. Meece	Surveying Technician							
Dale C. Wilson	Supervisory Land Surveyor							
	-							

CERTIFICATE OF SURVEY

I, Geoffrey A Graham, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 5th day of January, 2004, I have dependently resurveyed a portion of the subdivisional lines, subdivided sections 10 and 11, and completed the metes-and-bounds surveys in sections 10 and 11, T. 13 S., R. 12 E., 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 Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

4/S/2005 (Date)

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, the subdivision of sections 10 and 11, and the metesand-bounds surveys in sections 10 and 11, T. 13 S., R. 12 E., Gila and Salt River Meridian, in the State of Arizona, executed by Geoffrey A Graham, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

(Date)

Acting (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. 13 S., R. 12 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date) Acting (Chief Cadastral Surveyor of Arizona)