

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

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DEPENDENT RESURVEY OF

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A PORTION OF THE SUBDIVISIONAL LINES,

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THE SUBDIVISION OF SECTION 16,

---

AND

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A METES-AND-BOUNDS SURVEY

---

IN SECTION 16

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TOWNSHIP 5 SOUTH, RANGE 8 EAST

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Of the Gila and Salt River Meridian,  
In the State of Arizona

EXECUTED BY  
Gordon R. Bubel, Cadastral Surveyor

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Under Special Instructions dated February 24, 1998, approved February 24, 1998, which provided for the surveys included under Group Number 824 and assignment instructions dated February 24, 1998.

Survey commenced April 6, 1998  
Survey completed April 15, 1998

INDEX DIAGRAM

TOWNSHIP 5 SOUTH, RANGE 8 EAST,

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

Subdivision of Section 16

pp. 10-17

Metes-and-Bounds Survey in Section 16

pp. 18-20

## T. 5 S., R. 8 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 sec. 16, and a metes-and-bounds survey in section 16, Township 5 South, Range 8 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: In 1869 Ralph W. Norris surveyed the subdivisional lines. In 1928 Dupree R. Averill, Otis O. Gould and Roger F. Wilson resurveyed section 16.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated February 24, 1998, for Group No. 824, 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 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 distance and directions of all lines were determined by NAVSTAR GPS, using the real time kinematic techniques, and refer to horizontal distances and the true meridian. Trimble model 4400 GPS receivers were utilized to obtain the observables.

The geographic position of the corner of secs. 15, 16, 21 and 22 was determined by NAVSTAR GPS, using the technique of real time kinematic positioning. Arizona Department of Transportation triangulation station "JUNCTION 2 1975" was used as the control station. The coordinates refer to the top of the monument.

Latitude

Longitude

32°59'16.96" N.

111°31'26.35" W.

NAD83(1992)

The mean magnetic declination of 12 1/4° E. was derived from U.S. Geological Survey computer program MAGPOINT, utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by Dupree R. Averill, Otis T. Gould and Roger F. Wilson in 1928</p> <hr style="width: 20%; margin: auto;"/>
	<p>Beginning at the cor. of secs. 15, 16, 21 and 22, established by person(s) unknown, monumented with an open end iron pipe, 2 ins. diam., firmly set, 12 ins. below the surface, in a concrete cylinder, 10 ins. diam., filled with asphalt. This is accepted as the best available evidence of the position of the original corner.</p>
	<p>Not remonumented.</p>
	<p>Cor. is located at the intersection of Vah Ki Inn Road, extending E. and W. and State Highways 87 and 287, extending N. and S. within the town of Coolidge, Az.</p>
	<p>N. 0°02' E., bet. secs. 15 and 16.</p>
	<p>Along the pavement of State Highway No's. 87 and 287.</p>
<p>19.20</p>	<p>Center of bridge over Pima Lateral irrigation canal, 82 lks. wide, bears E. and W.</p>
<p>19.90</p>	<p>The S. 1/16 sec. cor. of secs. 15 and 16, established by person(s) unknown, monumented with an X chiseled in a concrete slab. This is accepted as a careful and faithful determination of the cor.</p>
	<p>Not remonumented.</p>
	<p>From this cor. point, Arizona Department of Transportation, Highway Division triangulation station, "JUNCTION 2 1975", with published latitude of 32°59'30.277" N., and longitude of 111°31'25.491" W., NAD83(1993), bears N. 65°16' E., 1.20 chs. dist., monumented with a bronze disk, 3 ins. diam., cemented flush with surface of the concrete mkd. A.D.O.T. HIGHWAY DIV. JUNCTION 2 P &amp; M GS 1975 and a triangle.</p> <hr style="width: 20%; margin: auto;"/>
	<p>N. 0°02' E., beginning new measurement.</p>
	<p>Along the pavement of State Highways 87 and 287.</p>
<p>19.90</p>	<p>The 1/4 sec. cor. of secs. 15 and 16, established by person(s) unknown, monumented with a rebar, 5/8 in. diam., firmly set 3 ins. below the pavement. This is accepted as a careful and faithful reestablishment of the position of the original cor.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Not remonumented.</p>
	<p>from which</p>
	<p>A stainless steel, post 28 ins. long, 2 1/2 ins. diam., set</p>
	<p>26 ins. in the ground, for a reference monument, bears</p>
	<p>N. 85°09' W., 88.9 ft. dist., with cap mkd. RM T5S R8E 1/4</p>
	<p>88.9 FT TO COR S16 1998, and an arrow pointing to the cor.</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case</p>
	<p>beneath the stainless steel post.</p>
	<p>Cor. is located in the left turn lane for northbound traffic</p>
	<p>entering the Casa Grand National Monument.</p>
	<hr/> <p>N. 0°02' E., beginning new measurement.</p>
	<p>Along the pavement of State Highways 87 and 287.</p>
19.90	<p>Point for the N. 1/16 sec. cor. of secs. 15 and 16.</p>
	<p>Set a steel nail, 3 ins. long, 3/8 in. diam., flush in the</p>
	<p>pavement, with a 1 in. diam. head, embossed SURVEY MARK with a</p>
	<p>dimple in the center.</p>
	<p>From this cor. point, AP 4 of a metes-and-bounds survey in sec.</p>
	<p>16, bears S. 89°17' W., 50.0 ft. dist., hereinafter described.</p>
39.80	<p>The cor. of secs. 9, 10, 15 and 16, monumented with an iron post,</p>
	<p>2 ins. diam., firmly set 18 ins. below the surface, in a concrete</p>
	<p>cylinder, 10 ins. diam., with iron cover. Brass cap has been</p>
	<p>damaged and is unreadable.</p>
	<p>Cor. is located 55 lks. S. of the center of pavement of State</p>
	<p>Highway No. 87.</p>
	<hr/> <p>From the cor. of secs. 15, 16, 21 and 22.</p>
	<p>S. 88°52' W., bet. secs. 16 and 21.</p>
	<p>Along the center of pavement of Vah Ki Inn Road.</p>
40.00	<p>The 1/4 sec. cor. of secs. 16 and 21, established by person(s)</p>
	<p>unknown, monumented with a damaged brass cap, set in concrete,</p>
	<p>1 in. below the pavement. This is accepted as a careful and</p>
	<p>faithful determination of the position of the original corner.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Not remonumented.</p> <hr/>
	<p>S. 88°51' W., beginning new measurement.</p>
19.995	<p>The W. 1/16 sec. cor. of secs. 16 and 21, established by person(s) unknown, monumented with an open end iron pipe, 1 1/4 in. diam., firmly set 3 ins. below the surface. This is accepted as a careful and faithful determination of the position of the cor.</p>
	<p>Not remonumented.</p>
	<p>Cor. is located at the intersection of Vah Ki Inn Road, extending E. and W., and a graded road extending N. and S.</p> <hr/>
	<p>S. 88°51' W., beginning new measurement.</p>
19.995	<p>The cor. of secs. 16, 17, 20 and 21, monumented with an iron post, 2 ins. diam., firmly set 1 ins. below the surface, with brass cap mkd. T5S R8E S17 S16 S21 S20 1928</p> <p>Add the marks 1998 to the brass cap.</p>
	<p>Cor. is located at the intersection of Vah Ki Inn Road, extending E. and W. and Kenworthy Road, graded, 35 lks. wide, extending N. and S.</p> <hr/>
	<p>N. 0°11' W., bet secs. 16 and 17.</p>
	<p>Along Kenworthy road.</p>
20.09	<p>The S. 1/16 sec. cor. of secs. 16 and 17, established by person(s) unknown, monumented with an open end iron pipe, 13 ins. long, 1 3/4 in. diam., firmly set 2 ins. below the surface. This is accepted as a careful and faithful determination of the position of the cor.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 34 ins. in the ground, with brass cap mkd.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T5S R8E S 1/16 S17   S16 1998</p>
	<p>Deposit the iron pipe inside the stainless steel post.</p>
	<p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p>
	<p>from which</p>
	<p style="padding-left: 40px;">An X chiseled on the NE cor. of cement block irrigation control box, 6.0 x 5.3 x 4.5 ft., bears S. 72°34' W., 48 lks. dist.</p>
	<p>Cor. is located in Kenworthy Road, 9 lks. E. of W. edge.</p>
	<p style="text-align: center;">_____</p> <p>N. 0°11' W., beginning new measurement.</p>
5.60	<p>Left bank of Pima Lateral irrigation canal, 82 lks. wide, in curve tangents bears N. and SE.</p>
8.50	<p>Right bank of Pima Lateral irrigation canal, 82 lks. wide, in curve tangents bears N. and SE.</p>
10.045	<p>Point for the N-S 1/64 sec. cor. of secs. 16 and 17.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 38 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T5S R8E N-S 1/64 S17   S16 1998</p>
	<p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p>
	<p>Cor. is located in northerly access road to Pima Lateral irrigation canal, 14 lks. E. of easterly bank of canal.</p>
17.13	<p>Cor. of fences extending S. and N. 23° W., bears E. 70 lks. dist.</p>
17.53	<p>E. Edge of canal access road, 45 lks. wide, bears S. and NNW.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
18.74	Cor. of fences extending N. and S. 23° E., bears East, 2 lks. dist.
20.09	<p>The 1/4 sec. cor. of secs. 16 and 17, perpetuated by Colin Handforth, monumented with a rebar, 25 ins. long, 5/8 ins. diam., projecting 1 in. above ground, with 1 1/2 ins. diam., aluminum cap mkd. 1/4 sec. LS 17256. This is accepted as a careful and faithful perpetuation of the position of the original corner.</p> <p>At the cor. 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 style="text-align: center;">T5S R8E 1/4 S17   S16 1998</p> <p>Deposit the rebar inside the stainless steel post.</p> <p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p> <p>from which</p> <p style="padding-left: 40px;">An iron post, 1 in. diam., set flush with the surface of the ground, bears N. 45°00' E., 64 lks. dist., with brass cap mkd. 1/4 S17 S16 WC 1928.</p> <p style="padding-left: 40px;">An iron post, 1 in. diam., set flush with the surface of the ground, bears S. 45°00' E., 64 lks. dist., with brass cap mkd. WC 1/4 S17 S16 1928.</p> <p>Add the marks T5S R8E 1998, to both reference monuments.</p> <p>Cor. is located 2 lks. W. of a woven wire fence, extends N. and S.</p> <p style="text-align: center;">_____</p> <p>N. 0°11' W., beginning new measurement.</p> <p>Over level land, parallel with woven wire fence.</p>
2.82	Three wire power line, bears S. 5° E. and N. 5° W.



Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.19	<p>The cor. of secs. 8, 9, 16 and 17, monumented with an iron post, 2 ins. diam., set 12 ins. below the surface, with 23 ins. long, 3 1/2 ins. diam., iron sleeve over the iron post, with brass cap mkd. T5S R8E S8 S9 S17 S16 1928.</p> <p>from which</p> <p>An iron post, 1 in. diam., set flush with the surface of the ground, bears S. 44°43' W., 64 lks. dist., with brass cap mkd. WC T5S R8E S8 S9 S16 S17 1928. (Record: S. 45° W.)</p> <p>Add the marks 1998 to the reference monument.</p> <p>Cor. located 2 lks. W. of a fence cor., with woven wire fences extending E., S. and W.</p> <hr/> <p>From the cor. of secs. 9, 10, 15 and 16.</p> <p>S. 89°25' W., bet. secs. 9 and 16.</p> <p>Parallel with State Highway No. 87.</p>
9.27	<p>Point for AP 1, of a metes-and-bounds survey in sec. 16.</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> <div style="text-align: center;"> <p>T5S R8E</p> <p>S9</p> <hr style="width: 10%; margin: 0 auto;"/> <p>S16   AP1</p> <p>1998</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p>
9.40	<p>Cor. of woven wire fences extending S. and W., bears South, 3 lks. dist.</p>
17.20	<p>Cor. of woven wire fences at abandoned irrigation canal, extending E. and SE, bears South, 1 lk. dist.</p>
18.86	<p>Cor. of woven wire fences at abandoned irrigation canal, extending SE and W., thence along fence.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.12	<p>The 1/4 sec. cor. of secs. 9 and 16, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. 1/4 S9 S16 1928.</p> <p>Add the marks T5S R8E 1998 to the brass cap.</p> <p>from which</p> <p style="padding-left: 40px;">An iron post, 1 in. diam., set flush with the surface of the ground, bears S. 44°33' E., 64 lks. dist., with brass cap mkd. WC 1/4 S9 S16 1928. (Record: S. 45° E.)</p> <p style="padding-left: 40px;">An iron post, 1 in. diam., set flush with the surface of the ground, bears S. 45°00' W., 64 lks. dist., with brass cap mkd. WC 1/4 S9 S16 1928.</p> <p>Add the marks T5S R8E 1998 to both reference monuments.</p> <p>Cor. located in a woven wire fence, extends E. and W.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89°25' W., beginning new measurement.</p> <p>Along woven wire fence, parallel with State Highway No. 87</p>
40.14	<p>The cor. of secs. 8, 9, 16 and 17.</p> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center;">Subdivision of Section 16, T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona</p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the 1/4 sec. cor. of sec. 16 and 21.</p> <p>N. 0°04' W., on the N. and S. center line of sec. 16.</p> <p>Over cultivated field.</p>
18.90	Left bank of Pima Lateral irrigation canal, bears E. and W.
19.70	Right bank of Pima Lateral irrigation canal, identical with S. edge of canal access road, both bear E. and W.
19.99	<p>Point for the center S. 1/16 sec. cor. of sec. 16.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 32 ins. in the ground with brass cap mkd.</p>

Subdivision of Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T5S R8E C S1/16   S16 C 1998
	Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.
	from which
	A stainless steel, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground, for a reference monument, bears N. 31°33' W., 67.4 ft. dist., with cap mkd. RM T5S R8E CS 1/6 67.FT TO COR S16 1998, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.
	Cor. located beneath Pima Lateral irrigation canal access road.
20.15	N. edge of canal access road, bears E. and W.
20.49	Woven wire fence, 4 ft. high, extends E. and W.
39.98	Point for the center 1/4 sec. cor. of sec. 16, at intersection with the E. and W. center line of sec. 16.
	Not monumented.
41.83	Center of pavement, Casa Grande National Monument entrance road, asphalt surfaced, 40 lks. wide, bears E. and W.
59.975	Point for the center N. 1/16 sec. cor. of sec. 16.
	Not monumented.
79.97	The 1/4 sec. cor. of secs. 9 and 16.
	<hr/> From the 1/4 sec. cor. of sec. 15 and 16.
	S. 89°08' W., on the E. and W. center line of sec. 16.
1.136	Intersect line 5-6, of the metes-and-bounds survey in sec. 16.
	From this point AP 6, bears S. 0°02' W., 19.90 chs. dist., hereinafter described.
1.18	Woven wire fence, extends N. and S.

Subdivision of Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.06	The point for the center 1/4 sec. cor. of sec. 16.
60.09	Point for the center W. 1/16 sec. cor. of sec. 16, not monumented.
80.10	Woven wire fence, extends N. and S.
80.12	The 1/4 sec. cor. of secs. 16 and 17.
<hr/> <p>NE 1/4 Section 16</p> <hr/>	
	From the N. 1/16 sec. cor. of secs. 15 and 16, hereinbefore described.
	S. 89°17' W., on the E. and W. center line of the NE 1/4 of sec. 16.
0.758	(50.0 ft.) Point for AP 4, of a metes-and-bounds survey in sec. 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 29 ins. in the ground with brass cap mkd.
	<p>T5S R8E  <span style="border: 1px solid black; padding: 2px;">S16</span>                      AP4                      1998</p>
	Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.
0.89	Woven wire fence, extends N. and S.
1.136	(75.0 ft.) Point for AP 5, of a metes-and-bounds survey in sec. 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground with brass cap mkd.
	<p>T5S R8E  <span style="border: 1px solid black; padding: 2px;">S16</span>  <span style="border: 1px solid black; padding: 2px;">AP5</span>                      1998</p>
	Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.

Subdivision of Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
1.18	Three wire power line, bears N. and S.
40.09	Point for the center N. 1/16 sec. cor. of sec. 16.
<hr/> SE 1/4 Section 16 <hr/>	
	From the S. 1/16 sec. cor. of secs. 15 and 16, hereinbefore described.
	S. 89°00' W., on the E. and W. center line of the SE 1/4 of sec. 16.
0.50	West edge of pavement, State Highways 87 and 287.
1.136	(75.0 ft.) Point for AP 6, of a metes-and-bounds survey in sec. 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 37 ins. in the ground with brass cap mkd.
	T5S R8E S16   AP6
	1998
	Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.
	Cor. located beneath Pima Lateral irrigation canal access road, 17 lks. N. of N. bank of canal, identical with S. edge of road, both bear E. and W.
40.03	The center S. 1/16 sec. cor. of sec. 16.
<hr/> SW 1/4 Section 16 <hr/>	
	From the W. 1/16 sec. cor. of secs. 16 and 21, hereinbefore described.
	N. 0°08' W., on the N. and S. center line of the SW 1/4 of sec. 16.
	Along graded road, surrounded by cultivated fields.
18.90	Left bank of Pima Lateral irrigation canal, bears E. and W.

Subdivision of Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
19.70	Right bank of Pima Lateral irrigation canal, identical with S. edge of canal access road, both bear E. and W.
20.04	<p>The SE 1/16 sec. cor. of sec. 15, established by Colin Handforth, monumented with a rebar, 24 ins. long, 1/2 in diam., with 2 ins. diam., aluminum cap mkd. LS 17256, firmly set, 2 ins. below the surface. This is accepted as a careful and faithful determination of the position of the cor.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 33 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T5S R8E SW 1/16 S16 1998</p> <p>Deposit the rebar inside the stainless steel post.</p> <p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p> <p>Cor. located beneath Pima Lateral irrigation canal, access road.</p> <hr style="width: 20%; margin: 10px auto;"/>
0.18	<p>N. 00°08' W., beginning new measurement.</p> <p>N. edge of Pima Lateral irrigation canal, access road, bears E. and W.</p>
0.50	Woven wire fence, 4 ft. high, extends E. and W.
20.04	<p>Point for the center W. 1/16 sec. cor. of sec. 16.</p> <hr style="width: 60%; margin: 10px auto;"/> <p>From the center S. 1/16 sec. cor. of sec. 16.</p> <p>S. 89°00' W., on the E. and W. center line of the SW 1/4 of sec. 16.</p> <p>Along Pima Lateral irrigation canal, access road.</p>
20.01	<p>The SW 1/16 sec. cor. of sec. 16.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89°00' W., beginning new measurement.</p>
10.01	Point for the C-W-SW 1/64 sec. cor. of sec. 16.

Subdivision of Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 34 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T5S R8E C-W-SW 1/64 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p> <p>from which</p> <p style="padding-left: 40px;">A stainless steel, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 44°41' E., 38.9 ft. dist., with cap mkd. RM T5S R8E 1/64 38.9 FT TO COR S16 1998, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Cor. located beneath Pima Lateral irrigation canal access road, 30 lks. N. of N. bank of canal, identical with S. edge of canal access road, both bear E. and W.</p>
12.24	Right bank of Pima Lateral irrigation canal, in curve, tangents bear ESE and NW.
15.09	Left bank of Pima Lateral irrigation canal, in curve, tangents bear ESE and NW.
16.79	Enter plowed field, edge bears SE and NW.
19.74	East edge of Kenworthy road, graded, bears N. and S.
20.02	The S. 1/16 sec. cor. of secs. 16 and 17.
	<hr/> <p>From the C-W-SW 1/64 sec. cor. of sec. 16, hereinbefore described.</p> <p>N. 0°09' W., on a portion of the N. and S. center line of the NW 1/4 of the SW 1/4 of sec. 16.</p>
0.09	N. edge of Pima Lateral irrigation canal access road, in curve, tangents bear E. and NW.
0.50	Cor. of woven wire fences, extending N. and E., bears East, 10 lks. dist.
5.015	Point for the C-S-NW-SW 1/256 sec. cor. of sec. 16.

Subdivision of Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.</p> <p style="text-align: center;">T5S R8E S16 C-S-NW-SW 1/256 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, an iron pipe 1 3/4 ins. diam., set in concrete, flush with the ground, with 2 in. diam. brass cap mkd. USDI NPS, of unknown origin, bears N. 84°03' E., 8.5 lks. dist. and is not utilized in the course of this survey.</p> <p>From this same cor. point, the cor. of woven wire fences, extending S. and W., bears N. 76°17' E., 10 lks. dist.</p> <hr/> <p>S. 89°02' W., on a portion of the E and W. center line of the SW 1/4 of the NW 1/4 of the SW 1/4 of sec. 16.</p> <p>Over cleared area, parallel with woven wire fence.</p>
5.002	<p>Point for the SW-NW-SW 1/256 sec. cor. of sec. 16, at intersection with the computed N. and S. center line of the SW 1/4 of the NW 1/4 of the SW 1/4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.</p> <p style="text-align: center;">T5S R8E S16 SW-NW-SW 1/256 1998</p> <p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, an iron pipe 1 3/4 ins. diam., set in concrete, flush with the ground, with 2 in. diam. brass cap mkd. USDI NPS, of unknown origin, bears N. 82°22' E., 4.5 lks. dist. and is not utilized in the course of this survey.</p> <p>From this same cor. point, the cor. of woven wire fences, extending N. and E., bears N. 70°02' E., 6.5 lks. dist.</p>



Subdivision of Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<hr/> <p>N. 0°11' W., on a portion of the N. and S. center line of the SW 1/4 of the NW 1/4 of the SW 1/4 of sec. 16.</p>
	<p>Over cleared area, parallel with woven wire fence.</p>
5.020	<p>Point for the C-W-NW-SW 1/256 sec. cor. of sec. 16.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground with brass cap mkd.</p>
	<p style="text-align: center;">T5S R8E S16 C-W-NW-SW 1/256 1998</p>
	<p>Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.</p>
	<p>From this cor. point, an iron pipe 1 3/4 ins. diam., set in concrete, flush with the ground, with 2 ins. diam. brass cap mkd. USDI NPS, of unknown origin, bears N. 75°55' E., 4.6 lks. dist. and is not utilized in the course of this resurvey.</p>
	<p>From this same cor. point, the cor. of woven wire fences, extending S. and W., bears N. 66°32' E., 6.4 lks. dist.</p> <hr/>
	<p>S. 89°04' W., on a portion of the E. and W. center line of the NW 1/4 of the SW 1/4.</p>
4.30	<p>Cor. of woven wire fences, extending N. and E., bears North, 2 lks. dist.</p>
4.58	<p>3 wire power line, at E. edge of Pima Lateral irrigation canal access road, both bear N. and S.</p>
5.005	<p>The N-S 1/64 sec. cor. of sec. 16 and 17, hereinbefore described.</p> <hr/>

Metes-and-Bounds Survey in Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	MEMORANDUM
	The following metes-and-bounds survey is based on a highway easement deed granted to the Arizona Department of Transportation from the USA (Casa Grande National Monument), in 1996. ADOT has referenced the highway easement deed as Parcel No. 11-372, part of Project No. F-055-1-702.
	From AP 1, on the line bet. secs. 9 and 16, hereinbefore described.
	S. 0°02' W., on line 1-2, parallel with the line bet. secs. 15 and 16.
0.515	Woven wire fence, bears E. and W.
0.53	Point for AP 2.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground with brass cap mkd.
	T5S R8E S16   AP2  1998
	Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.
	From this cor. point, the cor. of woven wire fences, extending N. and E., bears N. 76°49' E., 8.0 lks. dist.
	_____
	N. 89°25' E., on line 2-3, parallel with the line bet. secs. 9 and 16.
3.02	Woven wire fence, bears E. and W.
8.51	Point for AP 3.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground with brass cap mkd.
	T5S R8E S16   AP3  1998

Metes-and-Bounds Survey in Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 in. white plastic case beneath the stainless steel post.
	From this cor. point, the cor. of secs. 9, 10, 15 and 16 bears N. 54°38' E., 93 lks. dist.
	From this same cor. point, the cor. of woven wire fences, extending S. and W., bears S. 62°44' W., 7.5 lks. dist.
	S. 0°02' W., on line 3-4, parallel with the line bet. secs. 15 and 16.
0.21	Three wire power line, bears N. 2° E., and S. 2° W.
19.37	AP 4, at the intersection with the E. and W. center line of the NE 1/4 of sec. 16, hereinbefore described,
	S. 89°17' W., on line 4-5, identical with a portion of the E. and W. center line of the NE 1/4.
0.378	AP 5, hereinbefore described.
	S. 0°02' W., on line 5-6, parallel with the line bet. secs. 15 and 16.
16.70	Cor. of woven wire fences extending N. and S. 31° W., bears East, 27 lks. dist.
17.14	Same fence, extends N. 31° E., and S. 31° W.
17.22	Cor. of same fence, extending N. 31° E. and S., bears West, 4.5 lks. dist.
17.27	From this point, Station POT 453 + 00, bears West, 4.5 lks. dist., monumented with a bronze disk, 3 ins. diam., set in concrete, flush with the ground with top mkd. ARIZONA HIGHWAY DEPT. HWY R. OF WAY P.O.T. 453 + 00 19
19.90	Intersect the E. and W. center line of sec. 16. From this point, the 1/4 sec. cor. of secs. 16 and 17, bears N. 89°08' E., 1.136 chs. dist.
39.30	Cor. of woven wire fences extending N. and W., bears W. 2 lks. dist.

Metes-and-Bounds Survey in Section 16,  
T. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona

CHAINS	
39.32	From this point, Station POT 467 + 55.47, bears W. 2.0 lks. dist., monumented with a bronze disk, 3 ins. diam., set in concrete, flush with the ground with top mkd. ARIZONA HIGHWAY DEPT. HWY R. OF WAY P.O.T. 467 + 55.47 19
39.80	AP 6, at intersection with the E. and W. center line of the SE 1/4 of sec. 16, hereinbefore described.
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GENERAL DESCRIPTION	
<p>The area encompassed in this resurvey lies adjacent to and north of the city of Coolidge. The Casa Grand National Monument lies within section 16.</p>	
<p>The land is nearly flat, with clay loam soil, creosote is the predominant undergrowth.</p>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Cheryl A. Hansen	Surveying Technician
Geoffrey A. Graham	Surveying Technician

CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 24th day of February 1998, I have dependently resurveyed a portion of the subdivisional lines, subdivided section 16 and executed a metes-and-bounds survey in section 16, Township 5 South, Range 8 East, of the Gila and Salt River, in the State of 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.

July 13, 1998  
(Date)

Gordon R. Bubel  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Arizona State Office  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines, the subdivision of section 16 and the metes-and-bounds survey in section 16 in Township 5 South, Range 8 East, Gila and Salt River Meridian, Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

7/28/98  
(Date)

Kenny D. Lawmker  
(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. 5 S., R. 8 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Chief Cadastral Surveyor of Arizona)