



**McPherson Engineering & Land Surveying Services**

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Survey N/2 SW/4 Section 34, Township 20 South, Range 2 West of 6<sup>th</sup> P.M. Lone Tree Township

Date of Survey September 29, 2005

Client: Robert and Connie Jantz

From County Public Works Research found GLO, and Garber survey. Garber survey located SW, S/4, SE, E/4, NE, and N/4 of section and records angles and distances. It is noted the east line has a deflection of 0 degree 2' 29" through the quarter corner. The south line has a deflection of 0 degrees 05' 12" through the quarter corner.

The W/4 and NW corner are referenced to section 33. No pins were found at the W/4. The hedge and fence are removed. A lone post with a spike exists in line with the extended hedgerow to the east, assumed by this surveyor to be the corner fence post to which the monument was referenced as 25.7' east of. A fiber optic cable exists in the area also. This surveyor set a 5/8 x 24" bar 25.7' East in accordance with reference, on a calculated line based on extending the Garber survey to the NW corner, and halving the distance from the calculated NW corner to the existing SW corner, and then from the calculated half, extending the same to the E1/4 corner and locating the point on this line 27.1' from the corner post. The point set is in line with the hedgerow to the east, and is 2' west of the center of travel way. (Note if the pin were set per calc, it would have been about 10' west of travel way, which this surveyor did not find to fit the existing features) No pins were at the NW corner.

At the center of the section, a definite hedgerow intersection occurs. At the southwest quadrant a woven wire fence runs west and the south. At the northeast quadrant a barbwire fence runs north and east. There is about 2' separation between the trees which the fences corner on. This point is 5.45' east and 1.76' north from the calculated intersection with the Garber N-S line and the calculated E-W line. On Oct. 4, 2005, the pin is set at the calculated intersection of the quarter section lines. With the pins set at the W/4 and the Center Section, and finding pins in accordance with references, the N/2 of the SW/4 was then surveyed as platted.

Melanie Thrower, P.E., L.S.

MAPCHECK REPORT

Mon Oct 03 08:04:01 2005

Project: 34-20-2.PCS

MAPCHECK REPORT for Jantz

Starting Pt#1 Coordinates - North: 5000.00', East: 5000.00'

Ending coordinates - North: 5000.00', East: 5000.00'

ERROR - North: 0.00', East: 0.00', Total: 0.00', Bearing: S 77°50'58" W

	N 88°40'04" E 2639.32'		
2		N:5061.36'	E:7638.61'
	S 00°00'00" E 2625.60'		
3		N:2435.76'	E:7638.61'
	S 89°02'38" W 2649.59'		
4		N:2391.55'	E:4989.39'
	N 00°13'59" E 2608.47'		
5		N:5000.00'	E:5000.00'

Perimeter: 10522.98'

Area: 158.84 acres 6918913.31 sq ft

Precision: 2349412.42

MAPCHECK REPORT for N/2

Starting Pt#1 Coordinates - North: 5000.00', East: 5000.00'

Ending coordinates - North: 4999.99', East: 5000.00'

ERROR - North: 0.01', East: 0.00', Total: 0.01', Bearing: S 08°14'06" W

	N 88°40'04" E 2639.32'		
6		N:5061.36'	E:7638.61'
	S 00°00'00" E 1312.80'		
7		N:3748.56'	E:7638.61'
	S 88°51'22" W 2644.44'		
8		N:3695.77'	E:4994.69'
	N 00°13'59" E 1304.23'		
9		N:4999.99'	E:5000.00'

Perimeter: 7900.79'

Area: 79.34 acres 3455975.76 sq ft

Precision: 824055.97

MAPCHECK REPORT for Tract

Starting Pt#1 Coordinates - North: 5000.00', East: 5000.00'

Ending coordinates - North: 4570.02', East: 4996.27'

ERROR - North: 429.98', East: 3.73', Total: 430.00', Bearing: S 00°29'48" W

	S 00°13'59" W 430.00'		
10		N:4570.00'	E:4998.25'
	S 89°29'01" E 544.50'		
11		N:4565.10'	E:5542.73'
	S 00°30'59" W 400.00'		
12		N:4165.11'	E:5539.12'
	N 89°29'01" W 544.50'		
13		N:4170.02'	E:4994.65'
	N 00°13'59" E 400.00'		
14		N:4570.02'	E:4996.27'

Perimeter: 2319.00'

Area: 5.02 acres 218620.88 sq ft

Precision: 5.39