



City of Plano Geodetic Control Station

City of Plano Project No.:		5843		Station Name:		505	
Gorronдона & Associates Project No.:		0901-3510		GPS Point No.:		505	
County:	Collin	State:	Texas				
Unit of Measure:	US Survey Foot						
2009 H&V Survey Method:	GPS Observations						
Horizontal Survey Quality:	Second Order, Class 1						
Vertical Survey Quality:	See Notes 1 and 2 below						
Mark Logo:	2" Alum. Disk						
Stamping:	City of Plano Survey Marker,		505				
NAD83 NSRS 2007	Latitude:	33°02'20.21154"N	Longitude:	96°49'03.33983"W			
NAD83 NSRS 2007	Ellipsoid Height:	582.45	Epoch Date:	2002			
	Geoid Height:	-86.46	Geoid Model:	GEOID03			

City Wide Surface Adjustment Factor	1.00015421
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Texas North Central Zone (4202) State Plane Coordinate Listing				
Horizontal Datum	Horizontal Adjustment	Coordinate Type	Northing	Easting
NAD83	NSRS 2007	Surface	7,066,134.61	2,484,401.60
NAD83	NSRS 2007	Grid	7,065,045.11	2,484,018.54
NAD83	HARN 1993	Grid	7,065,045.13	2,484,018.56
NAD27	1986	Grid	499,870.79	2,209,200.10
Elevation	NAVD 1988	668.91	NGVD 1929	668.93

To Reach Description:
 Located near the Northwest corner of Nassau Dr. and Shelton Way.

<p>Aerial Photo</p>	<p>Area Sketch</p> <p>CITY OF PLANO MON. #505 2" ALUMINUM DISK IN CONCRETE STAMPED "505"</p> <p style="text-align: right;">SHELTON WAY</p> <p style="text-align: center;">NASSAU DR.</p> <p style="text-align: right;">CURB INLET</p> <p style="text-align: right;">N.T.S.</p>
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Station Ties:		
Object	Distance (Feet)	Direction
Back of Curb	0.9'	North
Corner of 4' Wrought Iron Fence	50.2'	Southeast
Storm Manhole in curb inlet.	46.5'	West

Prepared By:
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 Texas Registration Number 1965

Notes:

- This survey was constrained in the horizontal and vertical component to the published NAD83 HARN positions and NAVD88 Elevations for 19 City of Plano monuments, four NGS stations (horizontally and/or vertically) and four CORS stations.
- Elevations of City of Plano control stations are based solely on GPS Observations. Vertical Accuracy will be based on the quality of the GEOID03 Model and the vertical stability of the monuments constrained in the vertical component.
- The NAD83 NSRS2007 Surface Northing and Easting is based on multiplying the Grid Coordinate Values by the City Wide Surface Adjustment Factor of 1.00015421.

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