# City of Plano
# Geodetic Control Station

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|---|---|---|---|
| **City of Plano Project No.:** | **5843** | **Station Name:** | **Q4** |
| **Gorrondona & Associates Project No.:** | 0901-3510 | **GPS Point No.:** | **124** |
| **County:** Collin **State:** | Texas | **Established By:** | **Halff** |
| **Unit of Measure:** | US Survey Foot | **Date Established:** | **1986** |
| **2009 H&V Survey Method:** | GPS Observations | **ReSurvey By:** | G&AI |
| **Horizontal Survey Quality:** | Second Order, Class 1 | **ReSurvey Date:** | 2009 |
| **Vertical Survey Quality:** | See Notes 1 and 2 below | | |
| **Mark Logo:** | 3 1/4" Domed Alum. Disk | **Condition:** | Good |
| **Stamping:** | City of Plano Survey Marker, Q-4 | | |

| | | | | |
|---|---|---|---|---|
| **NAD83 NSRS 2007** | **Latitude:** | **33°01'35.84837"N** | **Longitude:** | **96°38'53.54954"W** |
| **NAD83 NSRS 2007** | **Ellipsoid Height:** | **481.37** | **Epoch Date:** | 2002 |
| | **Geoid Height:** | **-84.82** | **Geoid Model:** | GEOID03 |

| | |
|---|---|
| **City Wide Surface Adjustment Factor** | **1.00015421** |

**Texas North Central Zone (4202) State Plane Coordinate Listing**

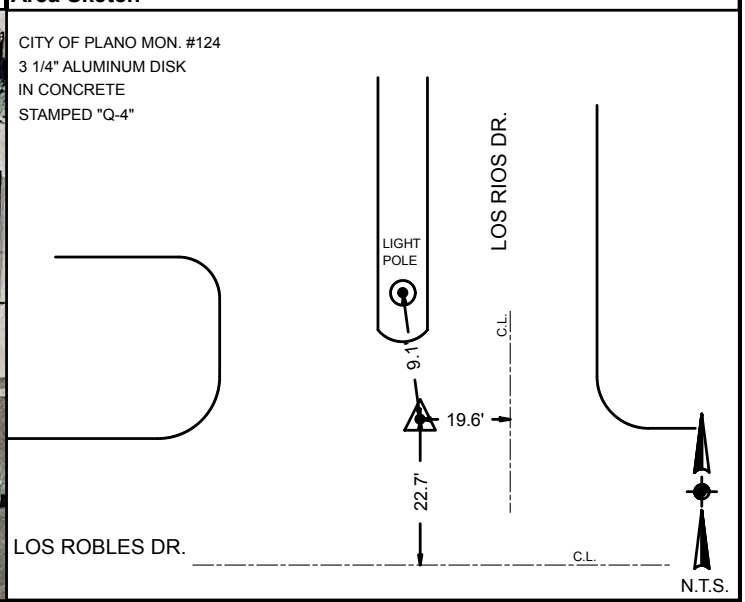
| Horizontal Datum | Horizontal Adjustment | Coordinate Type | Northing | Easting |
|---|---|---|---|---|
| **NAD83** | **NSRS 2007** | **Surface** | **7,062,524.47** | **2,536,386.41** |
| NAD83 | NSRS 2007 | Grid | 7,061,435.53 | 2,535,995.33 |
| NAD83 | HARN 1993 | Grid | 7,061,435.55 | 2,535,995.35 |
| NAD27 | 1986 | Grid | 495,767.19 | 2,261,139.38 |
| **Elevation** | **NAVD 1988** | **566.19** | NGVD 1929 | 566.22 |

**To Reach Description:**

Located at the North side of the intersection of Los Rios Blvd. and Los Robles Dr.

**Aerial Photo**

**Area Sketch**




**Station Ties:**

| Object | Distance (Feet) | Direction |
|---|---|---|
| Light Pole | 9.1' | South-Southeast |
| Centerline of N.B. Los Rios Blvd. | 19.6' | West |
| Centerline of Los Robles Dr. | 22.7' | North |

**Prepared By:**

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Texas Registration Number 1965

**Notes:**
1. **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.**
2. **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.**
3. **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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